

SCOTTISH HOSPITALS INQUIRY

**Hearing commencing 26 February 2024 - Bundle 13
Volume 6**

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Notes
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- Indicates a Residual Risk requiring a Compulsory Action
 - Indicates a Residual Risk for Information
 - ⊕ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

LEGEND

- Sg - SUPPLY GRILLE
- Esg - EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- MD - MOTOR CONTROL DAMPER
- MFD - MOTOR RETURN DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- ID - INTAKE DUCT
- KED - KITCHEN EXTRACT DUCT
- TED - TOILET EXTRACT DUCT
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
- DTLA - DROP TO LOW LEVEL
- RTHL - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET UP OR DOWN
- ATT - ATTENUATOR

NOTES

1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DA144. KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DA172.
2. FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTS WHICH PENETRATE FIRST FLOOR SUB-AREA TO BE PROVIDED WITH FIRE DAMPERS ALSO.
3. ALL NEW GRILLES TO COME COMPLETE WITH PLENUM BOX WITH SEE ENTRY SPACES.
4. ALL GRILLES TO BE POLYESTER POWDER COATED TO BE PER RAL COLOUR APPROVED BY ARCHITECT.
5. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
6. ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
7. PROPOSED VENTILATION WORKS HAVE BEEN ASSUMED TO BE INSTALLED IN ACCORDANCE WITH THE ENERGY EFFICIENCY OF THE CURRENT BUILDING REGULATIONS.
8. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION (REFER TO DETAIL).
9. ATTENUATORS TO BE SELECTED BY MECHANICAL CONTRACTOR FROM CONFIRMATION OF FAN SELECTIONS. THE MECHANICAL CONTRACTOR SHALL ENSURE THAT THE ATTENUATORS MEET THE NR CRITERIA SPECIFIED BY THE CLIENT.

RDD	
Reviewable Design Data - Section 5 of Schedule Part 6	
Board	
Name	[REDACTED]
Date	21/10/14
Sign	[REDACTED]
Level	C
Comment:	
For Board comments refer to Part 2 (Non-Approved RDD items - Level C or Level D) of Section 5 (Reviewable Design Data) of Schedule Part 6 (Construction Matters).	
In accordance with the levels set out in Clause 4 Effect of Review and Schedule Part 8 (Review Procedure):	
Level A: No Comment	
Level B: Proposed subject to Amendment as noted	
Level C: Subject to amendment as noted	
Level D: Rejected	

WORK IN PROGRESS

1. ISSUE FOR ISSUE 2014 JIB PAK/ BR/ ESB

Re-provision of RHSC and DCN at Little France
Client



LEVEL 01 VENTILATION DISTRIBUTION

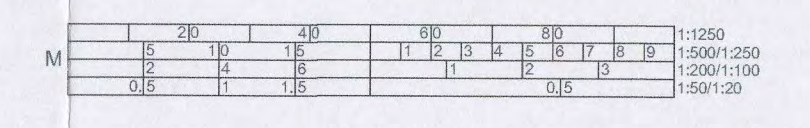
Drawing No. WW-SZ-01-PL-524-001 Revision 1

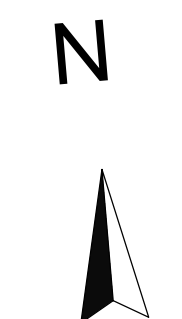
Scale @ A0 Date JUN. 2014

Status FINANCIAL CLOSE



LEVEL 01 PLAN
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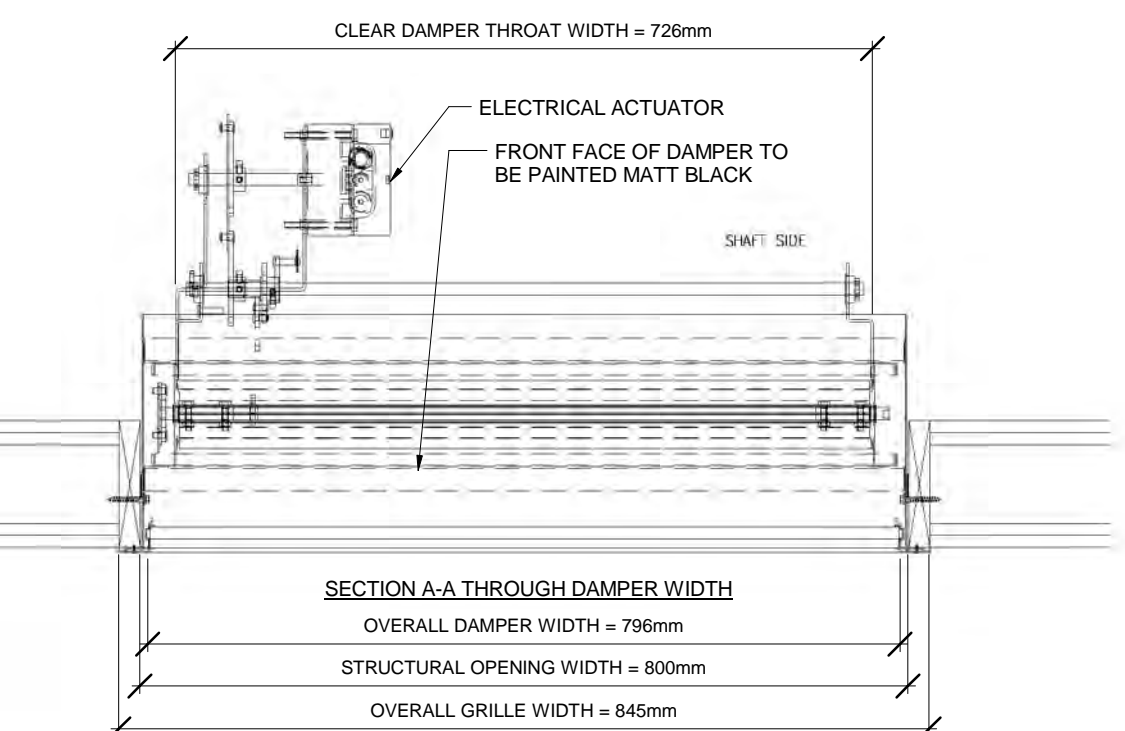
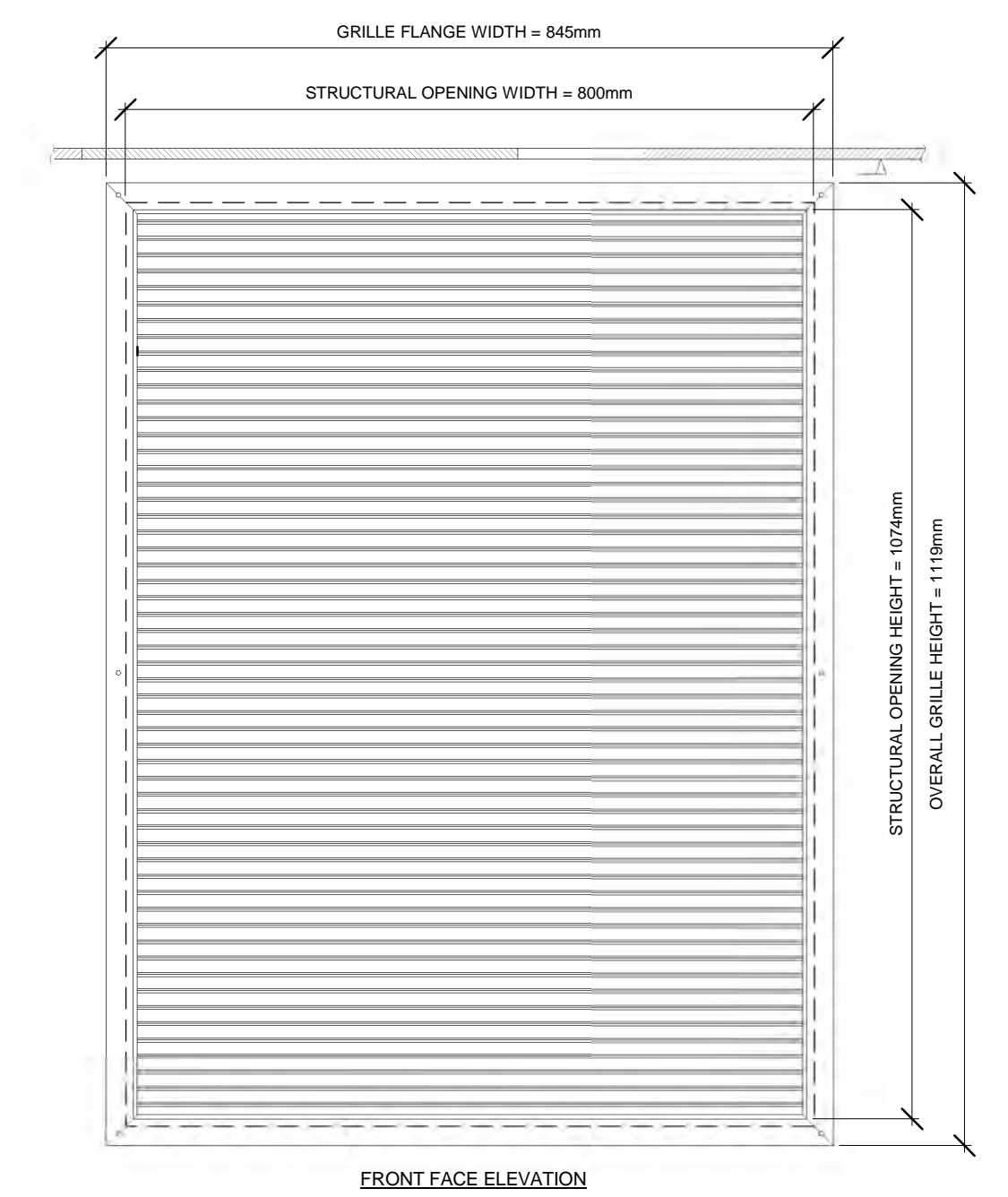
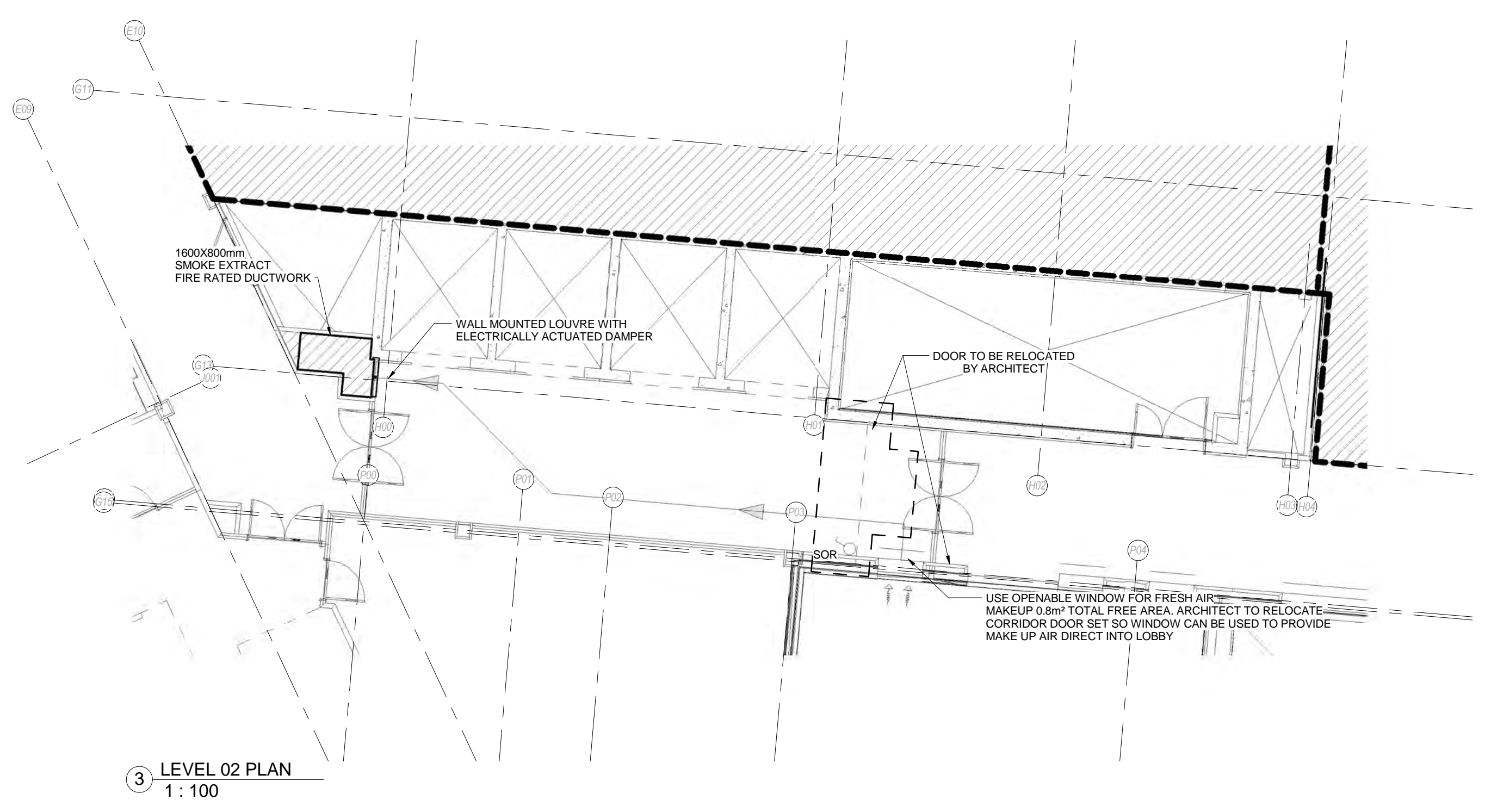
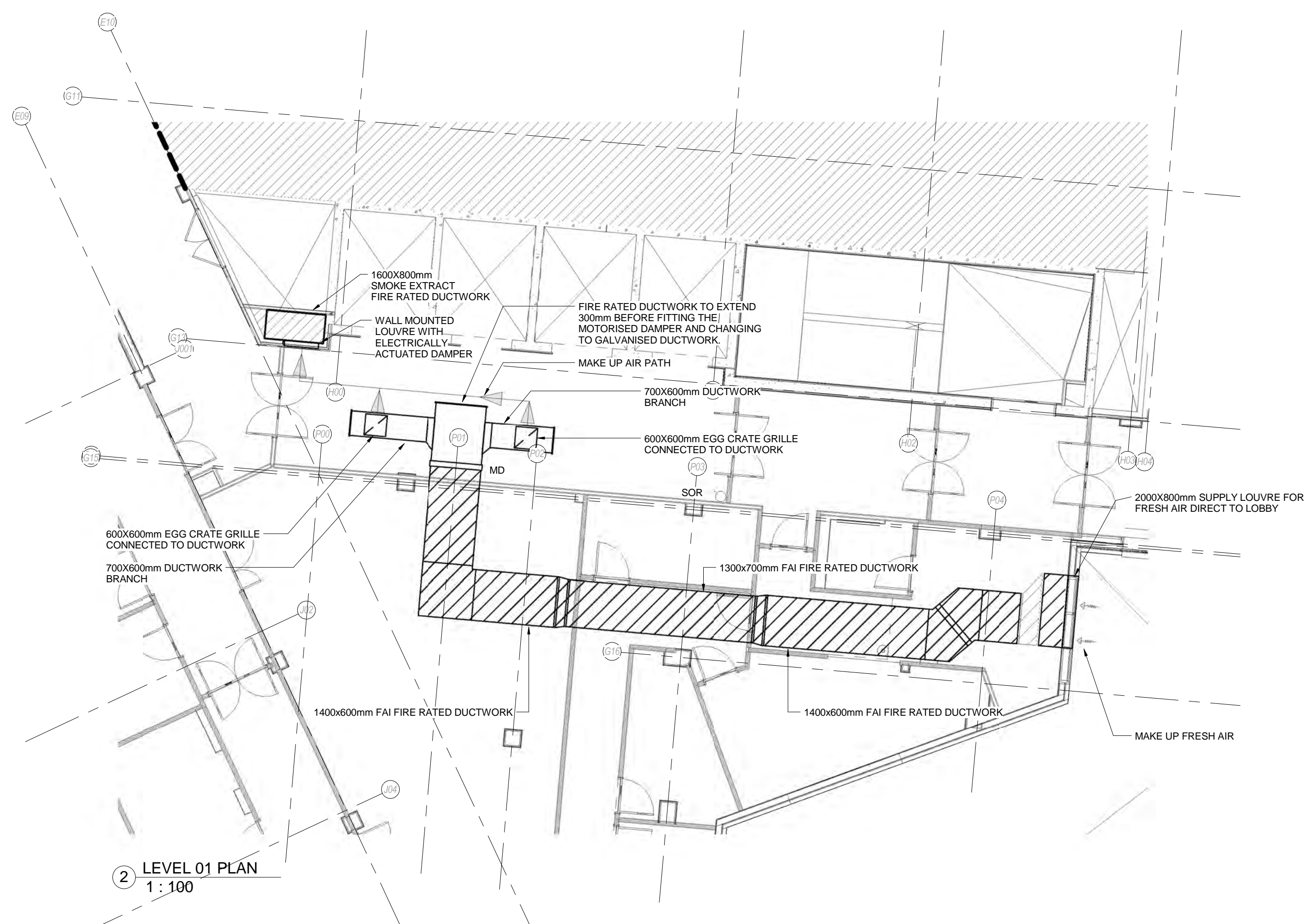
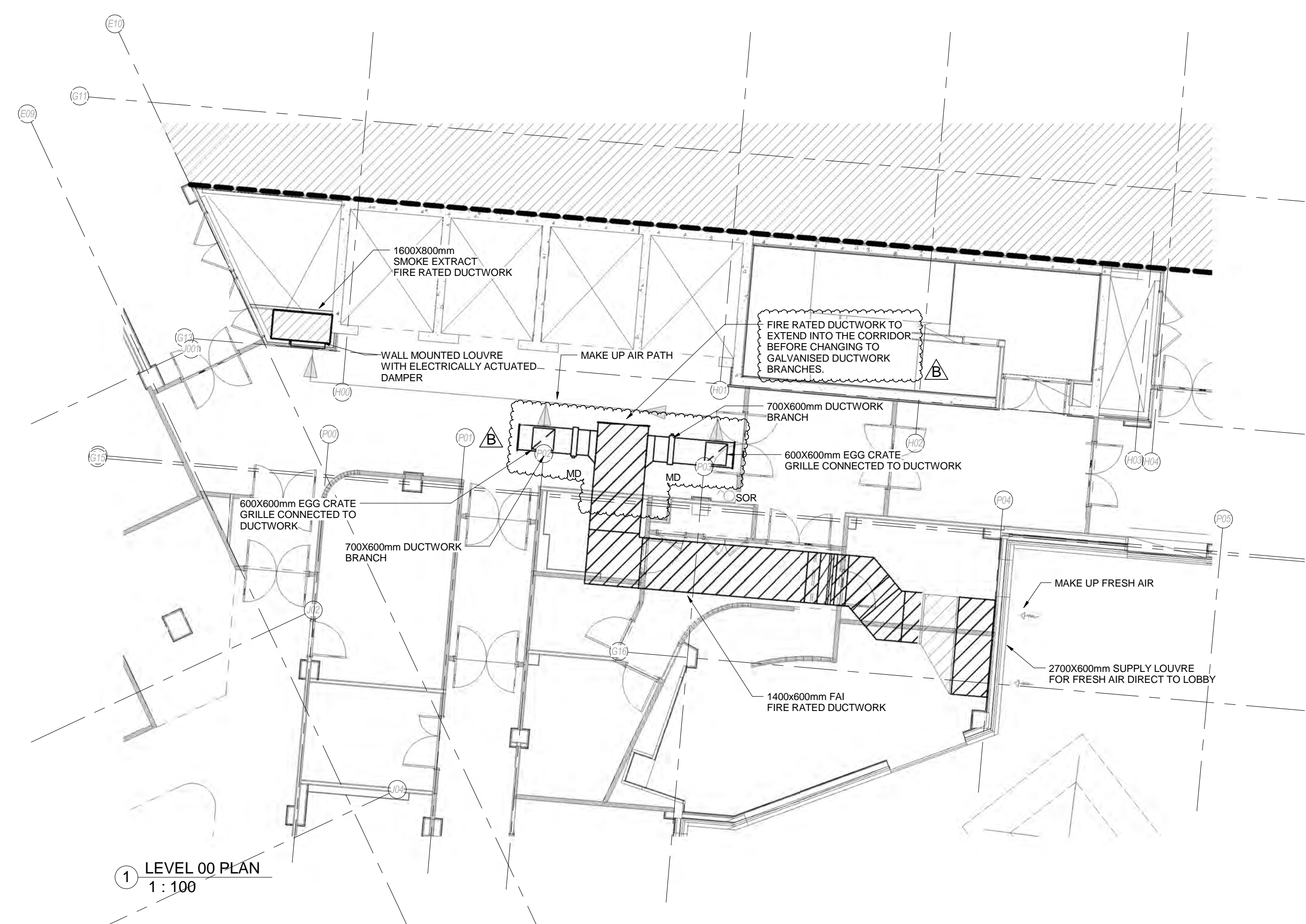




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- Indicates a Residual Risk requiring a Compulsory Action
 - ⊕ Indicates a Residual Risk for Information
 - ⊖ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

- LEGEND**
- FAI - FRESH AIR INLET
 - SED - SMOKE EXTRACT DUCT
 - MD - MOTORISED DAMPER
 - AIR PATH
 - SYSTEM OVERHEAD SWITCH
 - SCR - CONTROL PANEL
 - ▨ FIRE RATED DUCTWORK

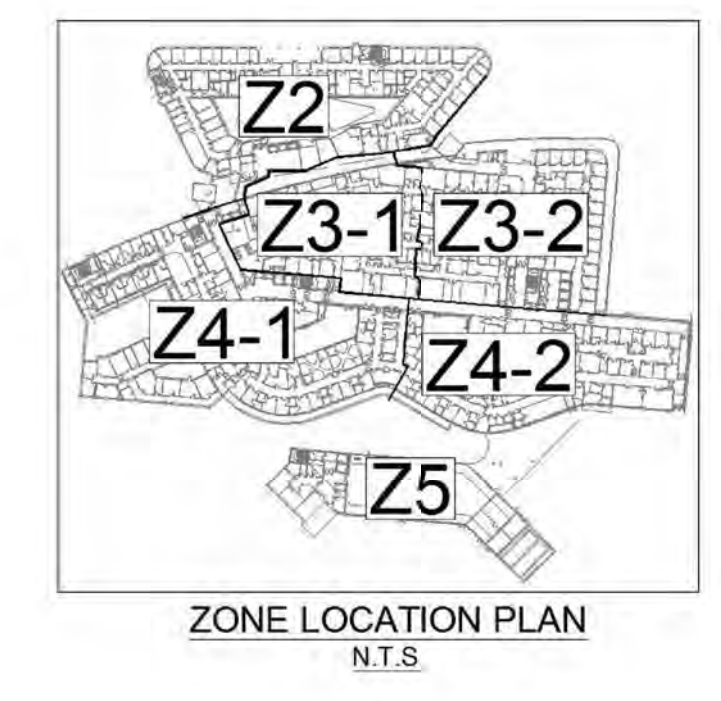
- NOTES**
1. SMOKE EXTRACT FANS TO BE LOCATED AT THE TOP OF THE SMOKE EXTRACT RISER. FANS SET UP IN A DUTY/STANDBY ARRANGEMENT (DUTY 20% @ 200PA).
 2. SMOKE EXTRACT IS VIA FIRE RATED DUCTWORK RISER WHICH WILL HAVE A LOBBY LOUVER WITH AN ELECTRICALLY ACTUATED DAMPER FITTED. SEE DETAIL 1.
 3. FRESH AIR MAKE UP PROVIDED BY WINDOWS. WINDOWS TO HAVE ELECTRICAL ACTUATORS FITTED BY THE WINDOW MANUFACTURER FOR AUTOMATIC OPENING BY SMOKE EXTRACT CONTROL SYSTEM.
 4. THE MAIN PANEL AS INDICATED ON THE DRAWING IS TO BE SUPPLIED VIA A 500W 230V FIRE RATED CABLE FED FROM THE LOCAL DISTRIBUTION BOARD. A 30A TYPE B RCBO WILL PROTECT THE CIRCUIT.
 5. EACH ACTUATOR (ONE NO. AT EACH FLOOR) OR MOTORISED DAMPER TO BE SUPPLIED VIA A HEAVY FIRE RATED CABLE FED FROM THE LOCAL DISTRIBUTION BOARD. A 30A TYPE B RCBO WILL PROTECT THE CIRCUIT.
 6. ALL POWER FIELD WIRING INCLUDING:
 - WIRING FROM THE MOTORISED DAMPER TO THE PANEL
 - WIRING FROM THE SPUR TO THE ACTUATOR
 - WIRING FROM THE SPUR TO PANEL
 - WIRING FROM THE PANEL TO THE BREAKGLASS AT TOP FLOOR
 - WIRING FROM THE SPUR TO THE MOTORISED DAMPER
 - WIRING FROM THE PANEL TO THE FIRE SERVICE CONTROL SWITCHES
 - WIRING FROM THE PANEL TO THE ACTUATORS
 - ALL CONTROLS WIRING
 - ALL CABLEING TO THE WIRING CENTRE
 SHALL BE THE SPECIALIST INSTALLERS RESPONSIBILITY.
 7. DUTY & STANDBY FANS SHALL BE PROVIDED FOR THE SYSTEM AND THE ELECTRICAL CONNECTIONS SHALL BE PROVIDED AS REQUIRED.
 8. THE SYSTEM SHALL BE CONNECTED VIA FIRE ALARM INTERFACE TO THE MAIN FIRE ALARM PANEL.
 9. ALL CONNECTIONS TO THE LOCAL FIRE DETECTION HEADS SHALL BE BY THE SPECIALIST CONTRACTOR.
 10. ALL BATTERIES, ACTUATORS REQUIRED FOR THE SYSTEM SHALL BE THE SPECIALIST CONTRACTORS RESPONSIBILITY.



DETAIL 1
WALL MOUNTED SMOKE EXTRACT LOUVER WITH ELECTRIC ACTUATOR
N.T.S.

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	PLEASE CONFIRM DESIGN CRITERIA FOR SMOKE EXTRACT VENTILATION SYSTEM.	DESIGN CRITERIA IS BASED ON THE BRE SHAFST DESIGN REPORT 29204 ISSUE DATE 6th JUNE 2002, AS REFERENCED WITHIN THE SCOTTISH BUILDING STANDARDS TECHNICAL HANDBOOK.



Revisions

Rev	Description	Author	Check	Date
B	23/09 FIRE RATED DUCTWORK EXTENDED IN THE CORRIDOR. MD RELOCATED ONTO THE INDIVIDUAL DUCT BRANCHES ON THE GROUND FLOOR.	AW/ SJ	BR/ MM	
A	25/08 MD DAMPERS RELOCATED. FIRE RATED DUCTWORK REMOVED IN CORRIDOR. RDD COMMENTS ADDED.	DAW/ BR/ MM	RD/ SJ	
1	09/03 T1 RDD ISSUE COMMENTS.	DAW/ SJ	BR/ MM	

Project
Re-provision of RHSC and DCN at Little France
Client

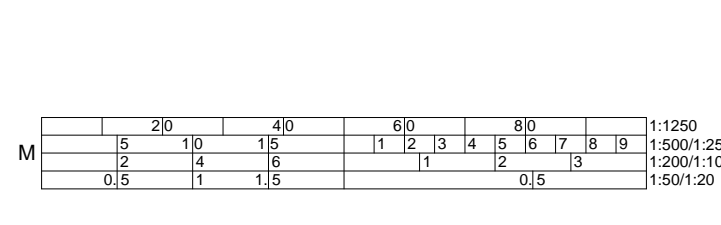


Title
**CORE 2 - SHEET 1
BED LOBBY SMOKE EXTRACT
VENTILATION SYSTEM.
LEVELS 00, 01 & 02**

Drawing No. **WW-SZ-SL-PL-524-001** Revision **B**

Scale @ A0 Date **FEB. 2016**

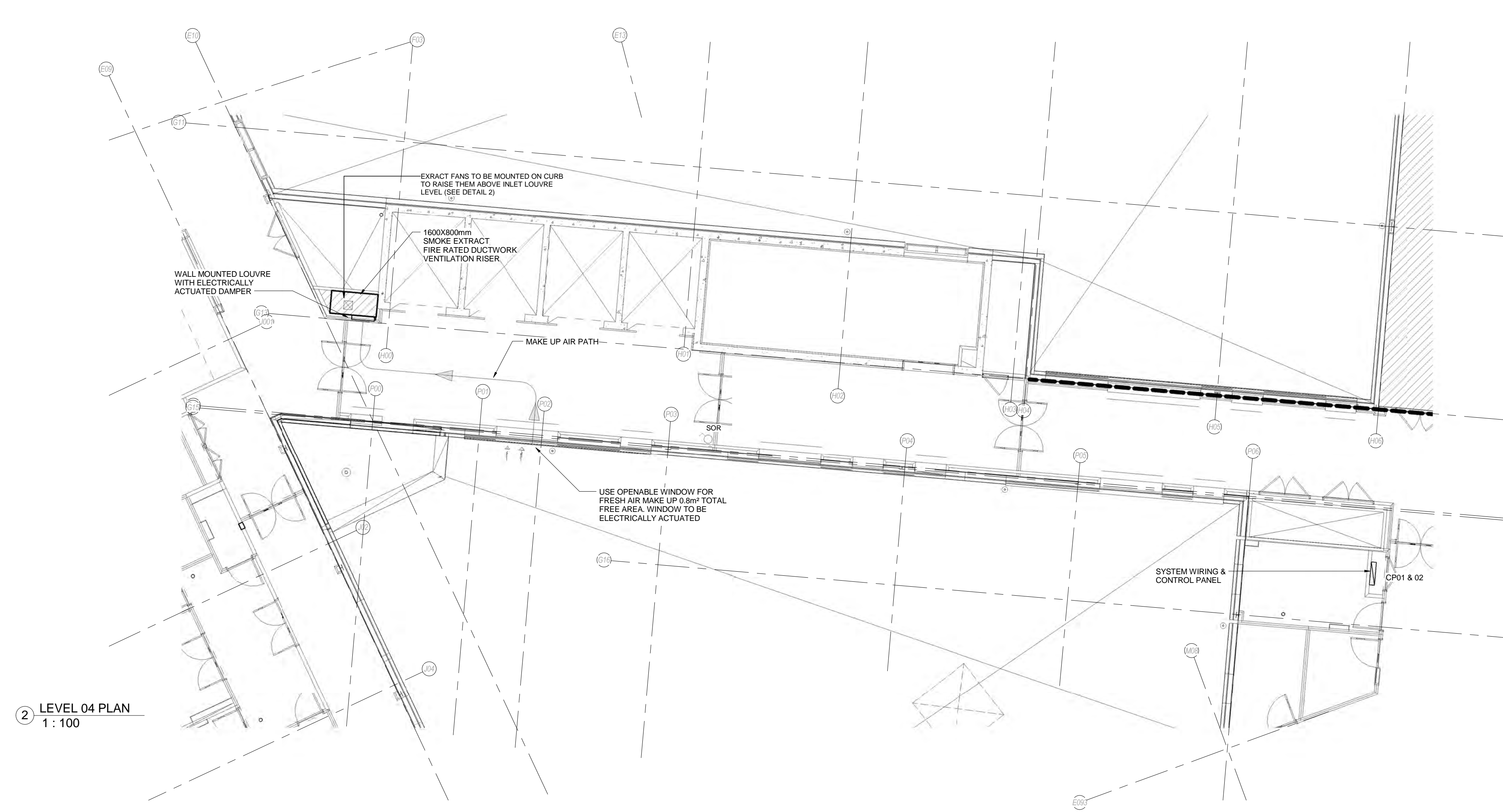
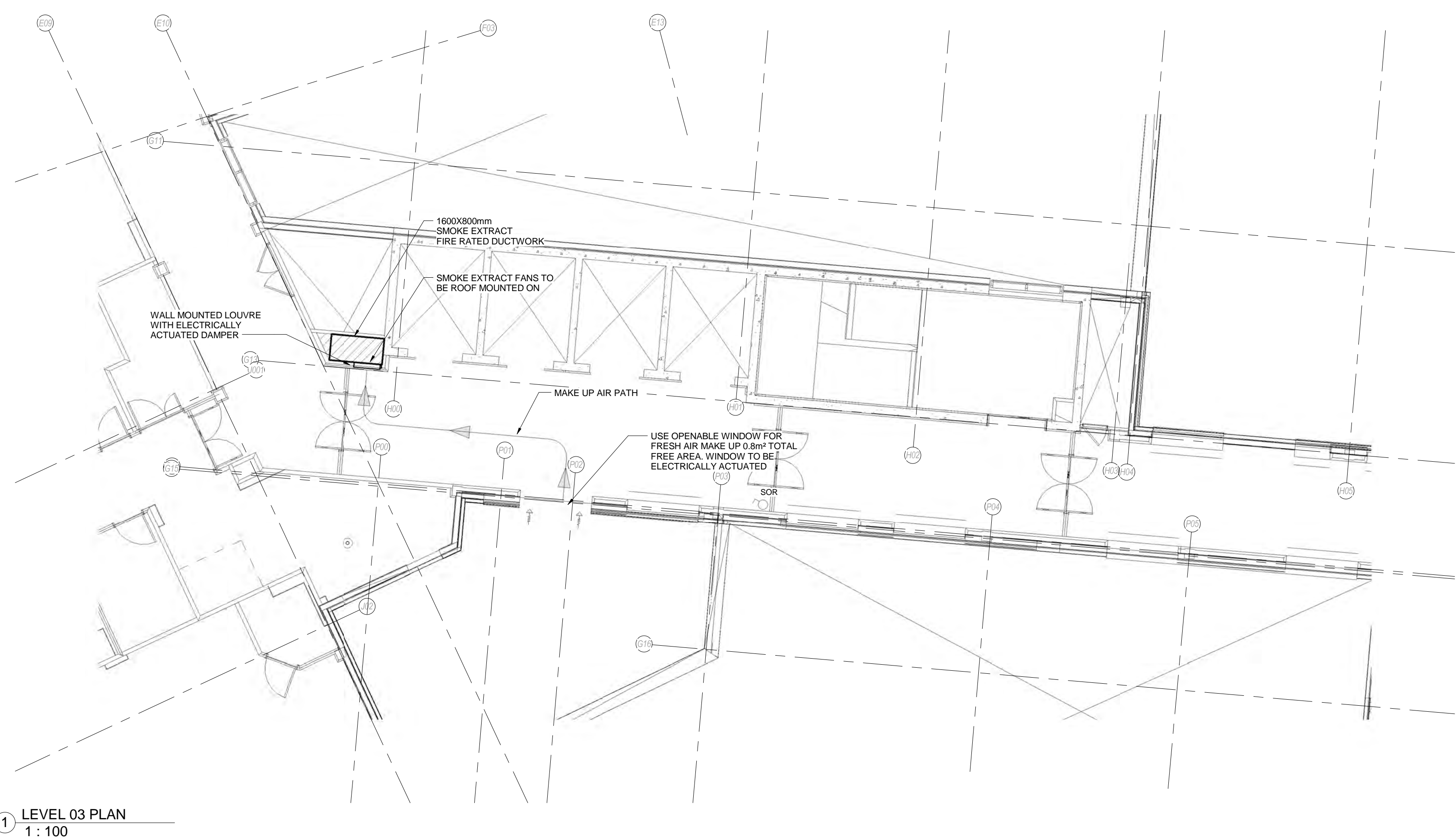
Status
CONSTRUCTION



Notes
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Designer Identification of Hazard Risk

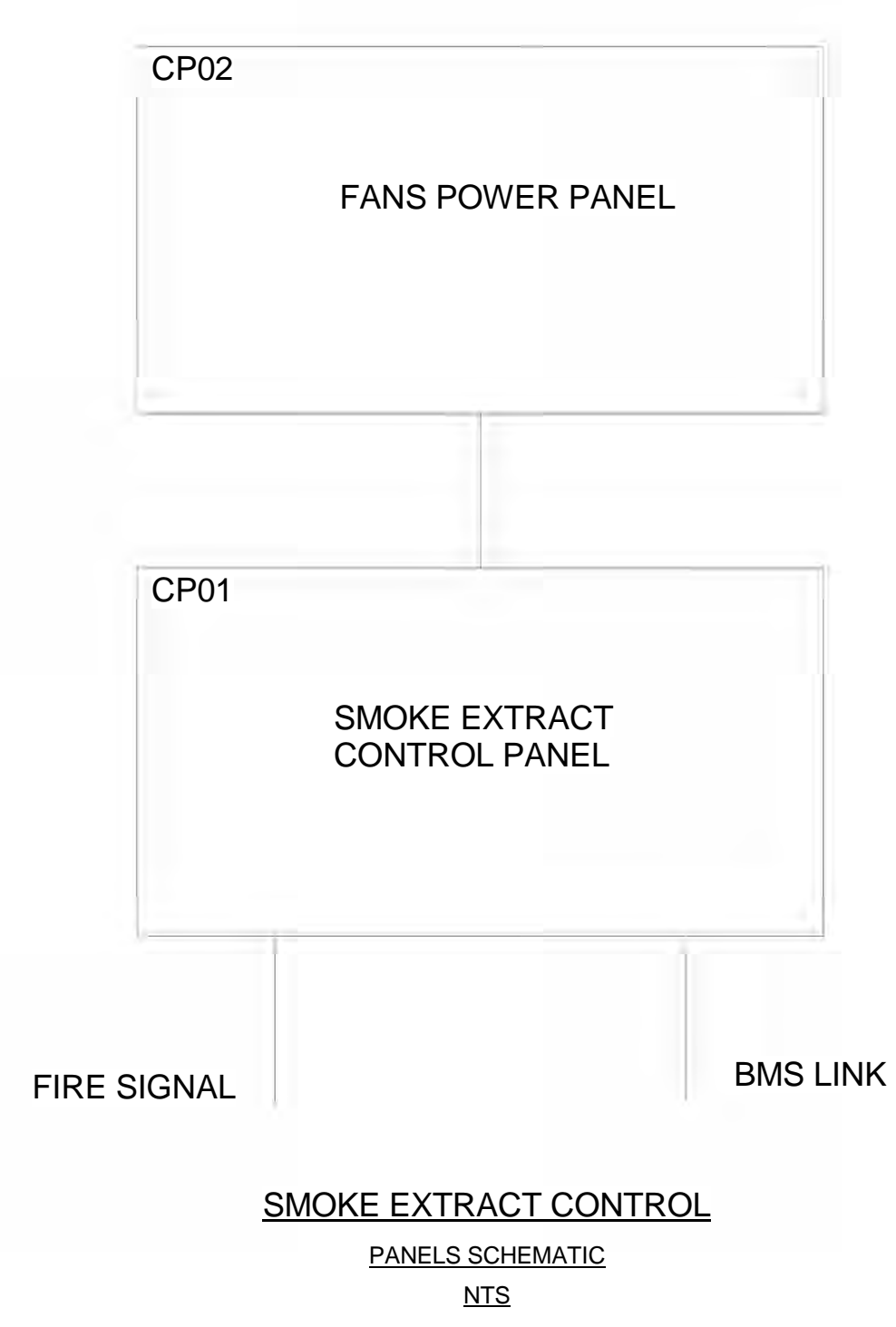
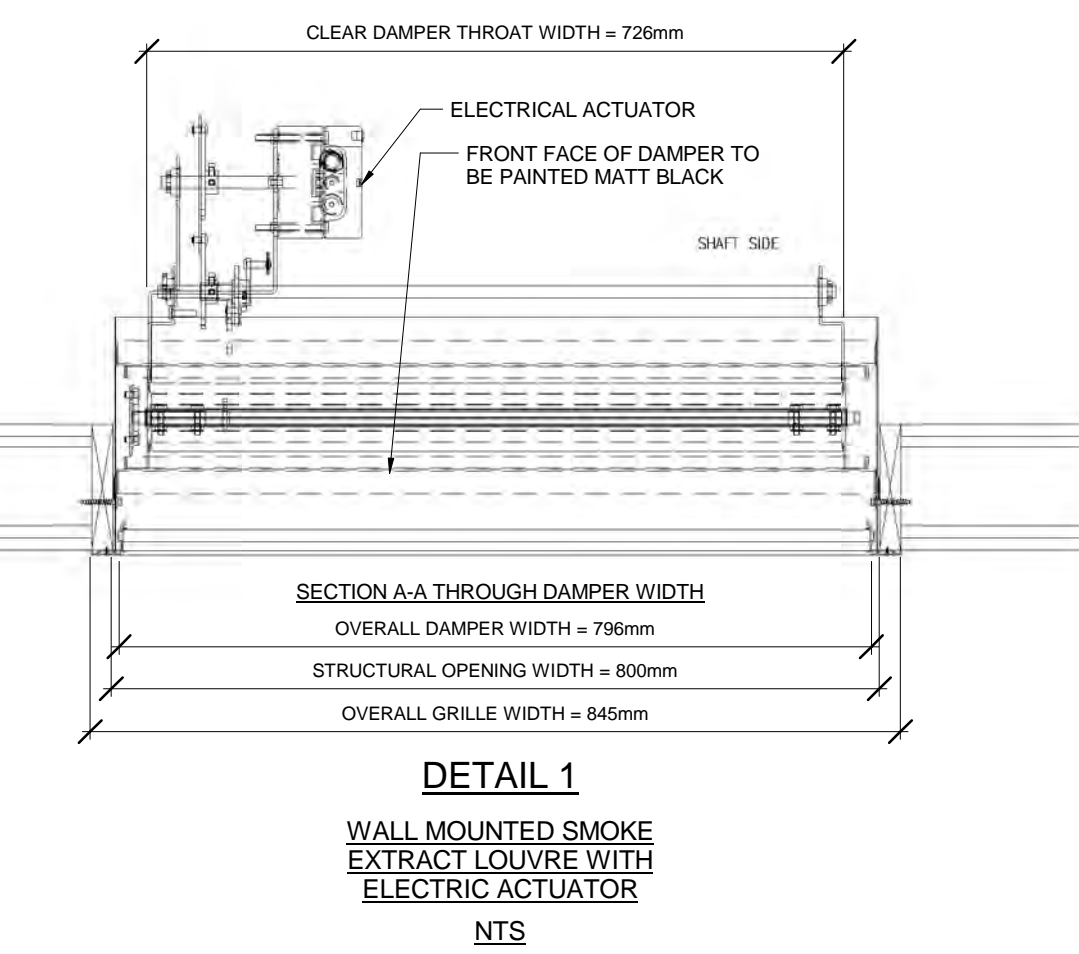
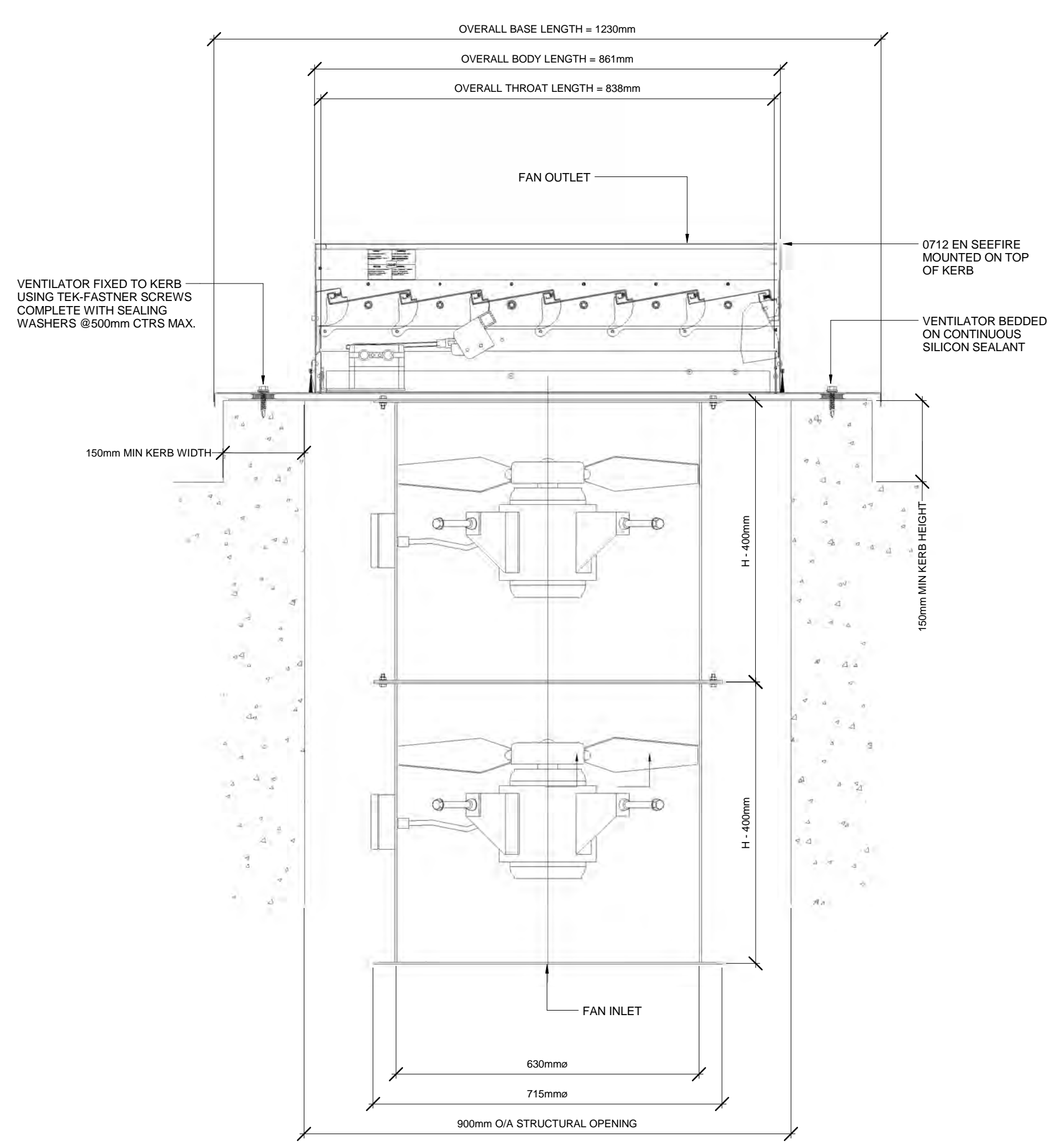
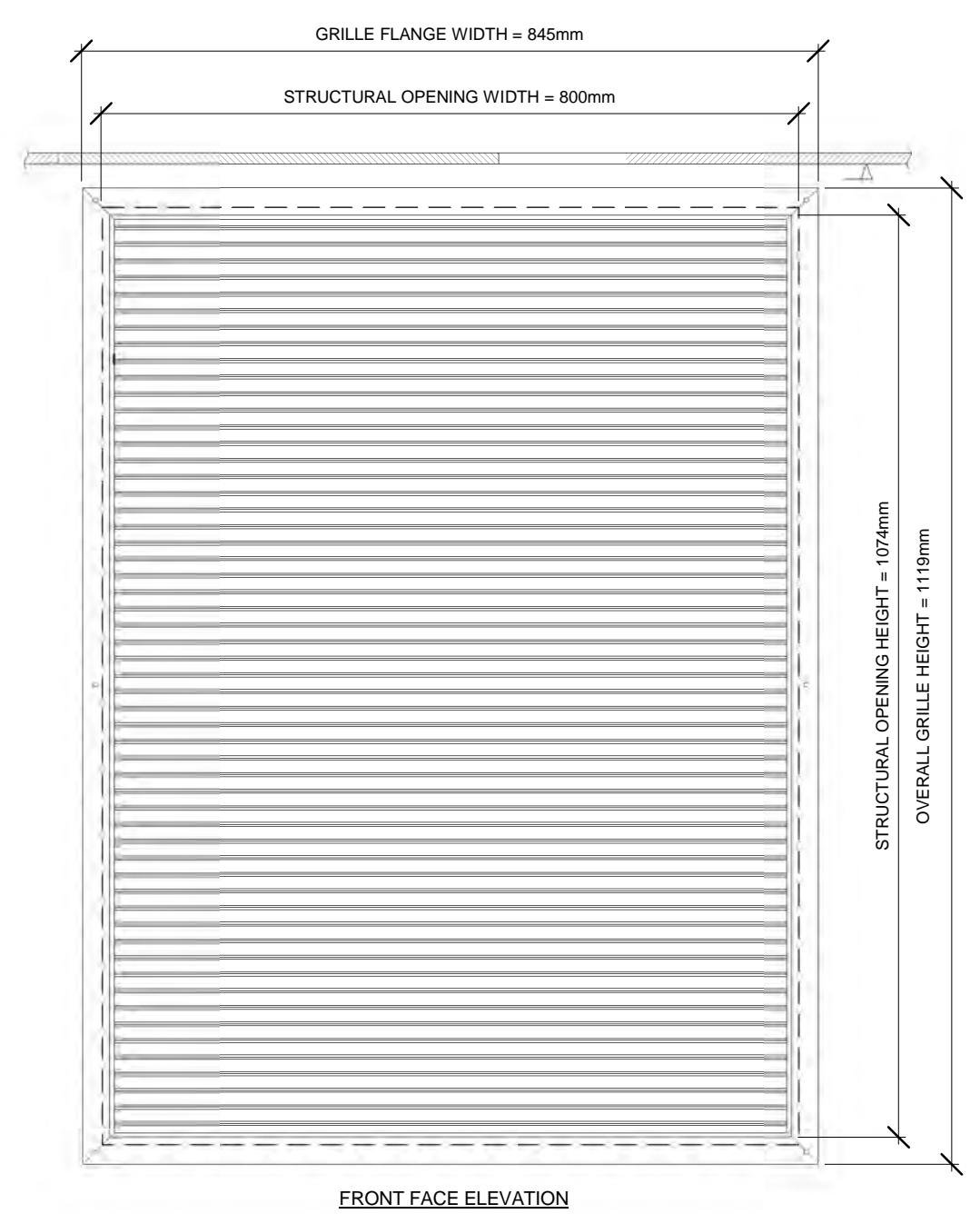
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LEGEND

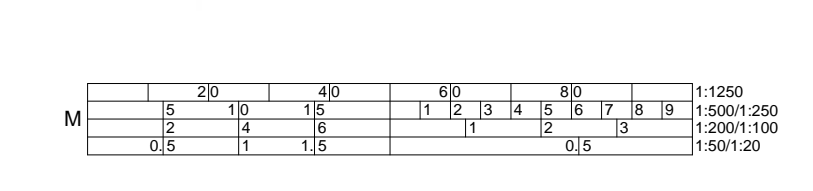
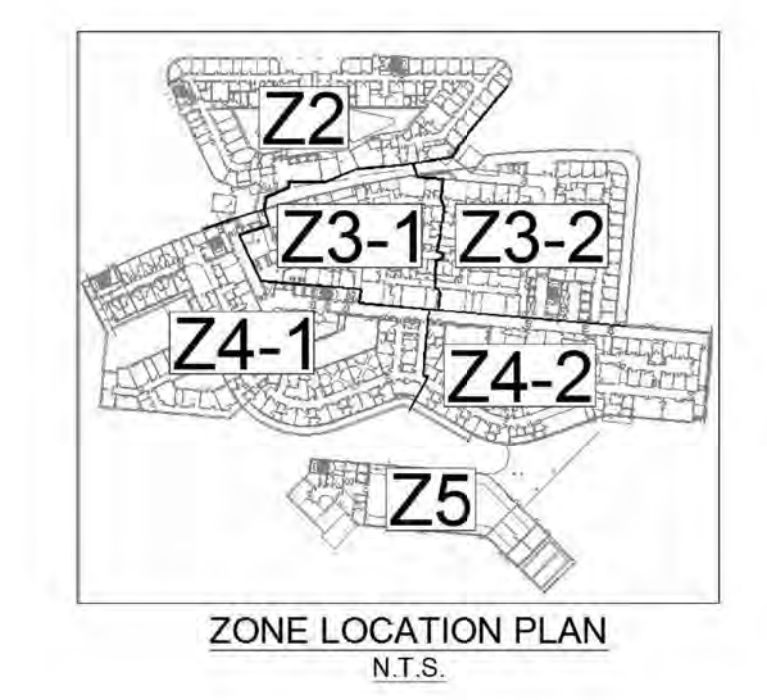
- FAI - FRESH AIR INLET
- SED - SMOKE EXTRACT DUCT
- MD - MOTORISED DAMPER
- AP - AIR PATH
- SOS - SYSTEM OVERRIDE SWITCH
- CP - CONTROL PANEL
- FRD - FIRE RATED DUCTWORK

- NOTES**
- SMOKE EXTRACT FANS TO BE LOCATED AT THE TOP OF THE SMOKE EXTRACT RISER. FANS SET UP IN AN OUTSTANDING ARRANGEMENT DUTY 0/1 (0/200).
 - SMOKE EXTRACT IS VIA FIRE RATED DUCTWORK RISER WHICH WILL HAVE A LOUVRE LOUVER WITH AN ELECTRICALLY ACTUATED DAMPER FITTED. SEE DETAIL N01.
 - FRESH AIR MAKE UP PROVIDED BY WINDOWS. WINDOWS TO HAVE ELECTRICAL ACTUATORS FITTED BY THE WINDOW MANUFACTURER FOR AUTOMATIC OPENING BY SMOKE EXTRACT CONTROL SYSTEM.
 - THE MAIN PANEL AS INDICATED ON THE DRAWING IS TO BE SUPPLIED VIA A 240V 50Hz FIRE RATED CABLE FED FROM THE LOCAL SECTION BOARD PROTECTED VIA A 63A MCB CIRCUIT.
 - EACH ACTUATOR (ONE NO. AT EACH FLOOR) OR MOTORISED DAMPER TO BE SUPPLIED VIA A 4-core FIRE RATED CABLE FED FROM THE LOCAL DISTRIBUTION BOARD. A 30A TYPE B MCB WILL PROTECT THE CIRCUIT.
 - ALL POWER FIELD WIRING INCLUDING:
 - WIRING FROM THE MOTORISED DAMPER TO THE PANEL
 - WIRING FROM THE SPUR TO THE ACTUATOR
 - WIRING FROM THE PANEL TO THE BREAKGLASS AT TOP FLOOR
 - WIRING FROM THE SPUR TO THE MOTORISED DAMPER
 - WIRING FROM THE PANEL TO THE FIRE SERVICE CONTROL SWITCHES
 - WIRING FROM THE PANEL TO THE ACTUATORS
 - ALL CONTROLS WIRING
 - ALL CABLES TO THE WIRING CENTRE
 SHALL BE THE SPECIALIST INSTALLERS RESPONSIBILITY.
 - DUTY & STANDBY FANS SHALL BE PROVIDED FOR THE SYSTEM AND THE ELECTRICAL CONNECTIONS SHALL BE PROVIDED AS REQUIRED.
 - THE SYSTEM SHALL BE CONNECTED VIA FIRE ALARM INTERFACE TO THE MAIN FIRE ALARM PANEL.
 - ALL CONNECTIONS TO THE LOCAL FIRE DETECTION HEADS SHALL BE BY THE SPECIALIST CONTRACTOR.
 - ALL BATTERIES, ACTUATORS REQUIRED FOR THE SYSTEM SHALL BE THE SPECIALIST CONTRACTORS RESPONSIBILITY.



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	PLEASE CONFIRM DESIGN CRITERIA FOR SMOKE EXTRACT VENTILATION SYSTEM.	DESIGN CRITERIA IS BASED ON THE BRE SHAFT DESIGN REPORT 79204 ISSUE DATE 06/06/2002, AS REFERENCED WITHIN THE SCOTTISH BUILDINGS STANDARDS TECHNICAL HANDBOOK.



A 25/08 ISSUED AT REVISION A DAW BRV
 2016 AW MM
 1 09/03 T1 RDD ISSUE DAW BRV
 2016 SJ MM

Revisions

Project

Re-provision of RHSC and DCN at Little France

Client



Title

**CORE 2 - SHEET 2
 BED LOBBY SMOKE EXTRACT
 VENTILATION SYSTEM
 LEVELS 03 & 04**

Drawing No. Revision

WW-SZ-SL-PL-524-002 A

Scale @ A0 Date

As indicated FEB. 2016

Status

CONSTRUCTION





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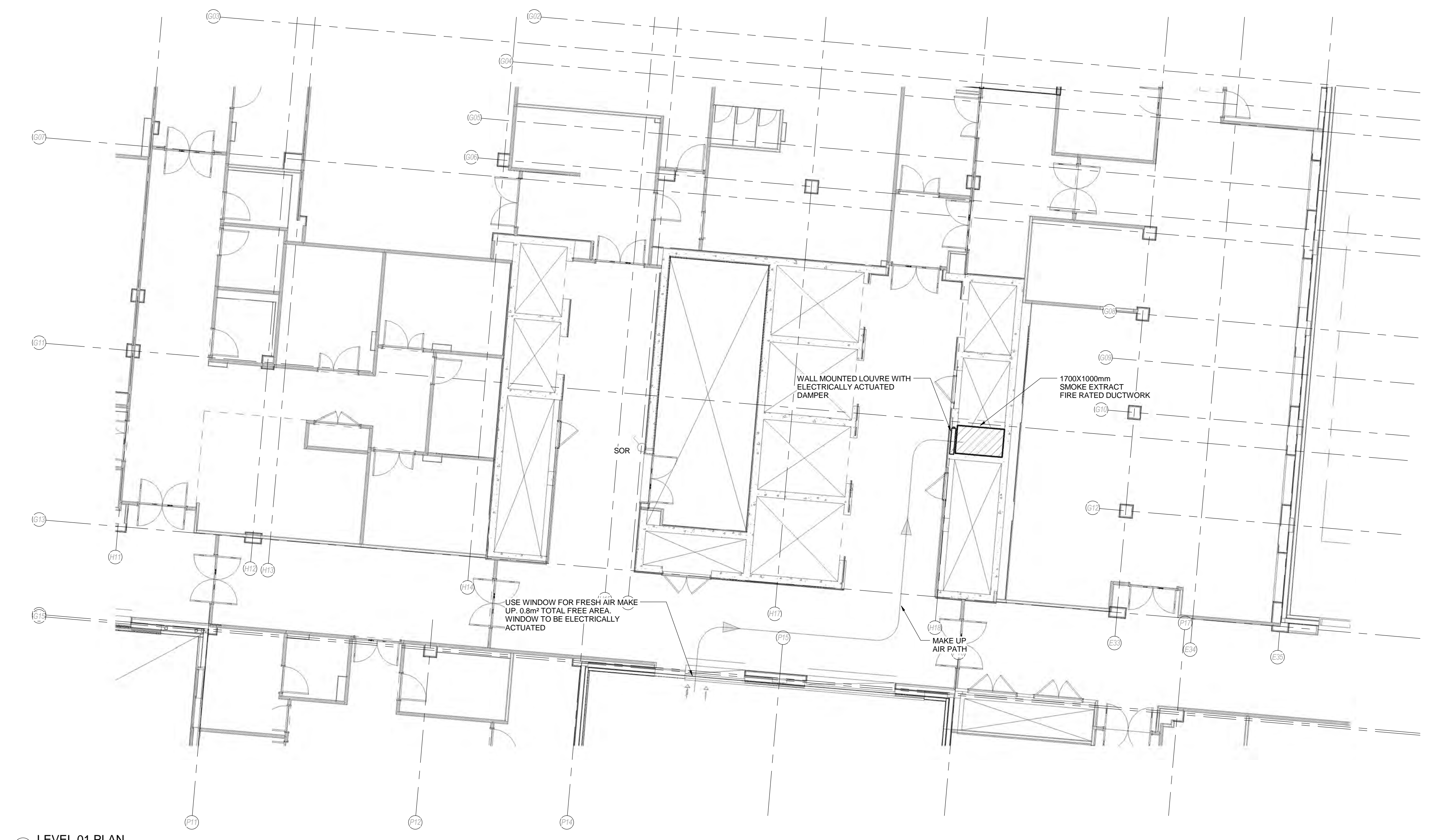


- LEGEND
- FAI - FRESH AIR INLET
 - SED - SMOKE EXTRACT DUCT
 - MD - MOTORISED DAMPER
 - AIR PATH
 - Ⓢ - SYSTEM OVERIDE SWITCH
 - SOR - CONTROL PANEL
 - ▨ - FIRE RATED DUCTWORK

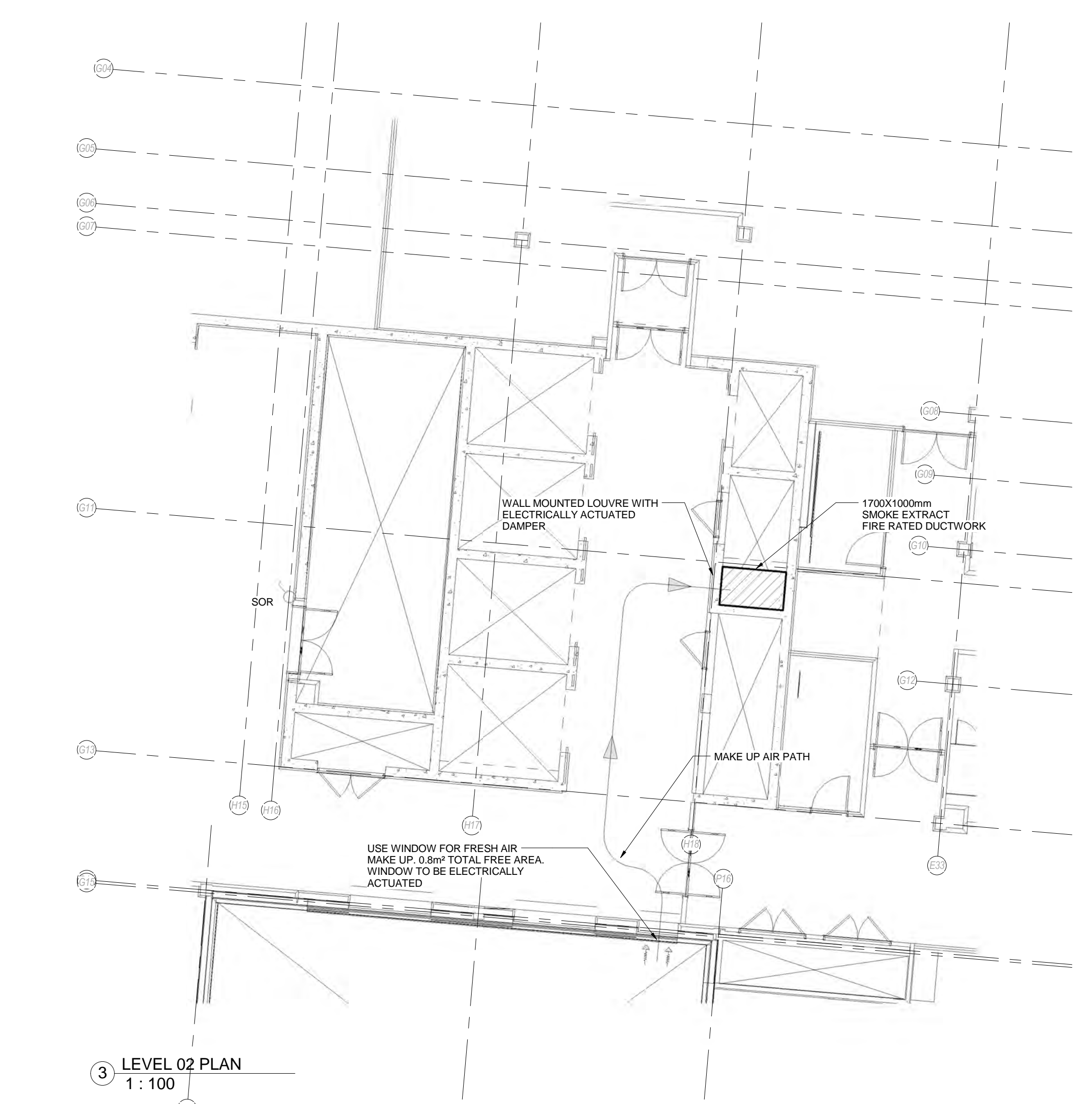
- NOTES
- SMOKE EXTRACT FANS TO BE LOCATED AT THE TOP OF THE SMOKE EXTRACT RISER. FANS SET UP IN A DUTY STANDBY ARRANGEMENT (DUTY 30% @ 300%).
 - SMOKE EXTRACT IS VIA FIRE RATED DUCTWORK RISER WHICH WILL HAVE A LOBBY LOUVER WITH AN ELECTRICALLY ACTUATED DAMPER FITTED. SEE DETAIL NO.1. LOUVER TO BE MOUNTED AT HIGH LEVEL ON THE WALL JUST BELOW THE CEILING.
 - FRESH AIR MAKE UP PROVIDED BY WINDOWS. WINDOWS TO HAVE ELECTRICAL ACTUATORS FITTED BY THE WINDOW MANUFACTURER FOR AUTOMATIC OPENING BY SMOKE EXTRACT CONTROL SYSTEM.
 - THE MAIN PANEL AS INDICATED ON THE DRAWING IS TO BE SUPPLIED VIA A 20AMP 230V FIRE RATED CABLE FEED FROM THE LOCAL SECTION BOARD PROTECTED VIA A 50A MCCB CIRCUIT.
 - EACH ACTUATOR (ONE NO. AT EACH FLOOR) OR MOTORISED DAMPER TO BE SUPPLIED VIA 4mm² FIRE RATED CABLE FEED FROM THE LOCAL DISTRIBUTION BOARD. A 50A TYPE B MCCB TO PROTECT THE CIRCUIT.
 - ALL POWER FIELD WIRING INCLUDING:
 - WIRING FROM THE MOTORISED DAMPER TO THE PANEL
 - WIRING FROM THE SPUR TO THE ACTUATOR
 - WIRING FROM THE PANEL TO THE BREAKGLASS AT TOP FLOOR
 - WIRING FROM THE SPUR TO THE MOTORISED DAMPER
 - WIRING FROM THE PANEL TO THE FIRE SERVICE CONTROL SWITCHES
 - WIRING FROM THE PANEL TO THE ACTUATORS
 - ALL CONTROL WIRING
 - ALL CABLES TO THE WIRING CENTRE
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 - DUTY & STANDBY FANS SHALL BE PROVIDED FOR THE SYSTEM AND THE ELECTRICAL CONNECTIONS SHALL BE PROVIDED AS REQUIRED.
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 - ALL BATTERIES ACTUATORS REQUIRED FOR THE SYSTEM SHALL BE THE SPECIALIST CONTRACTORS RESPONSIBILITY.



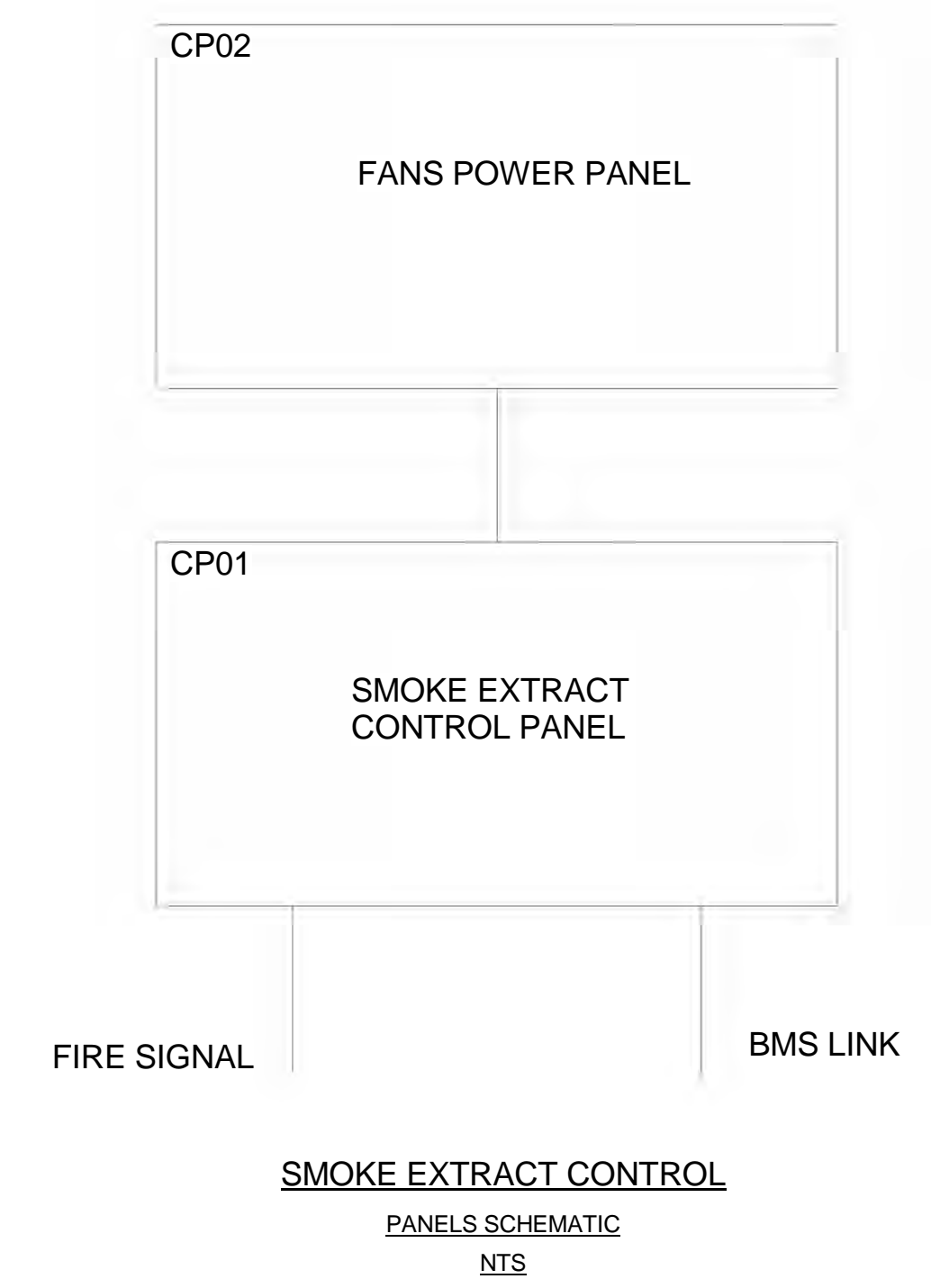
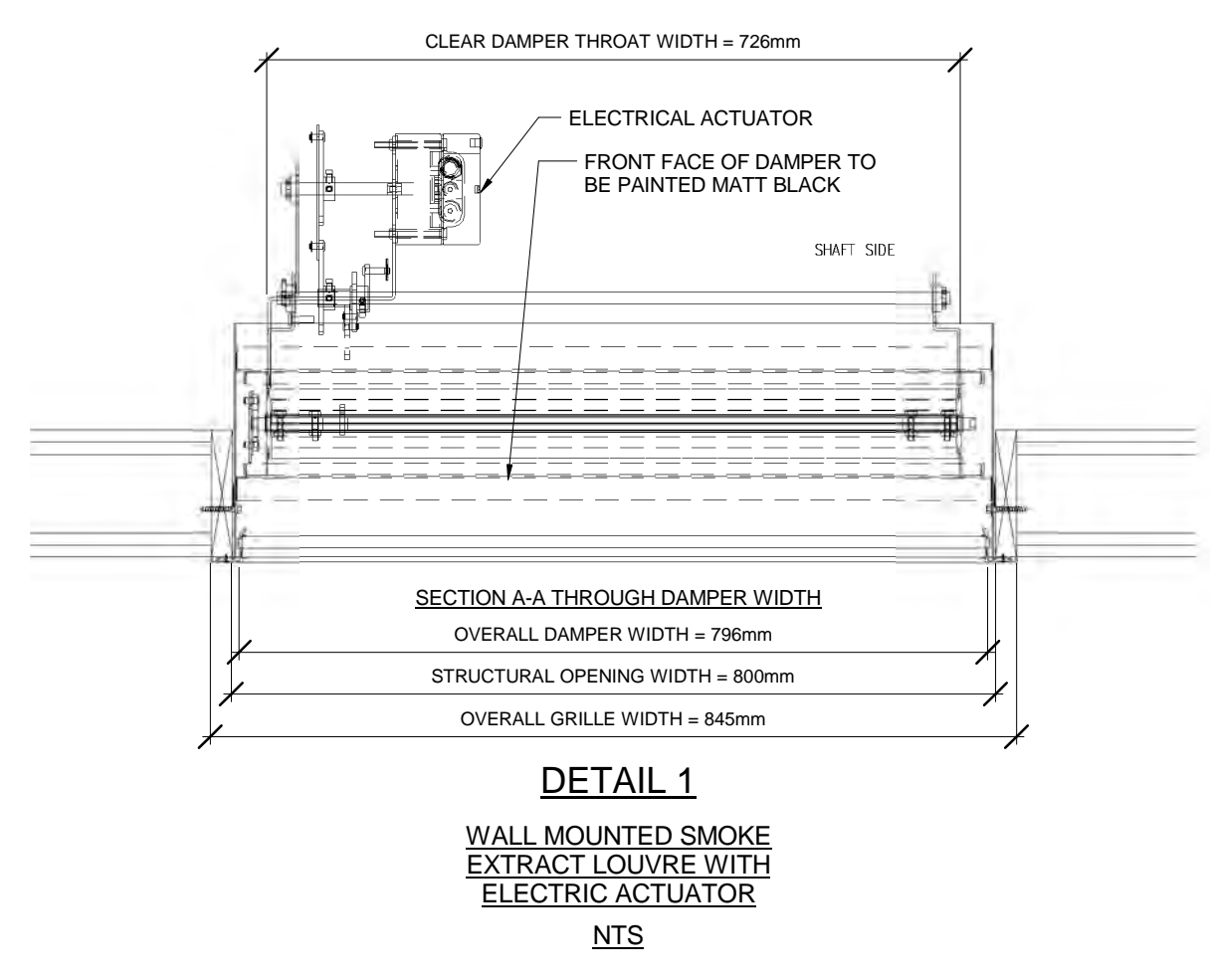
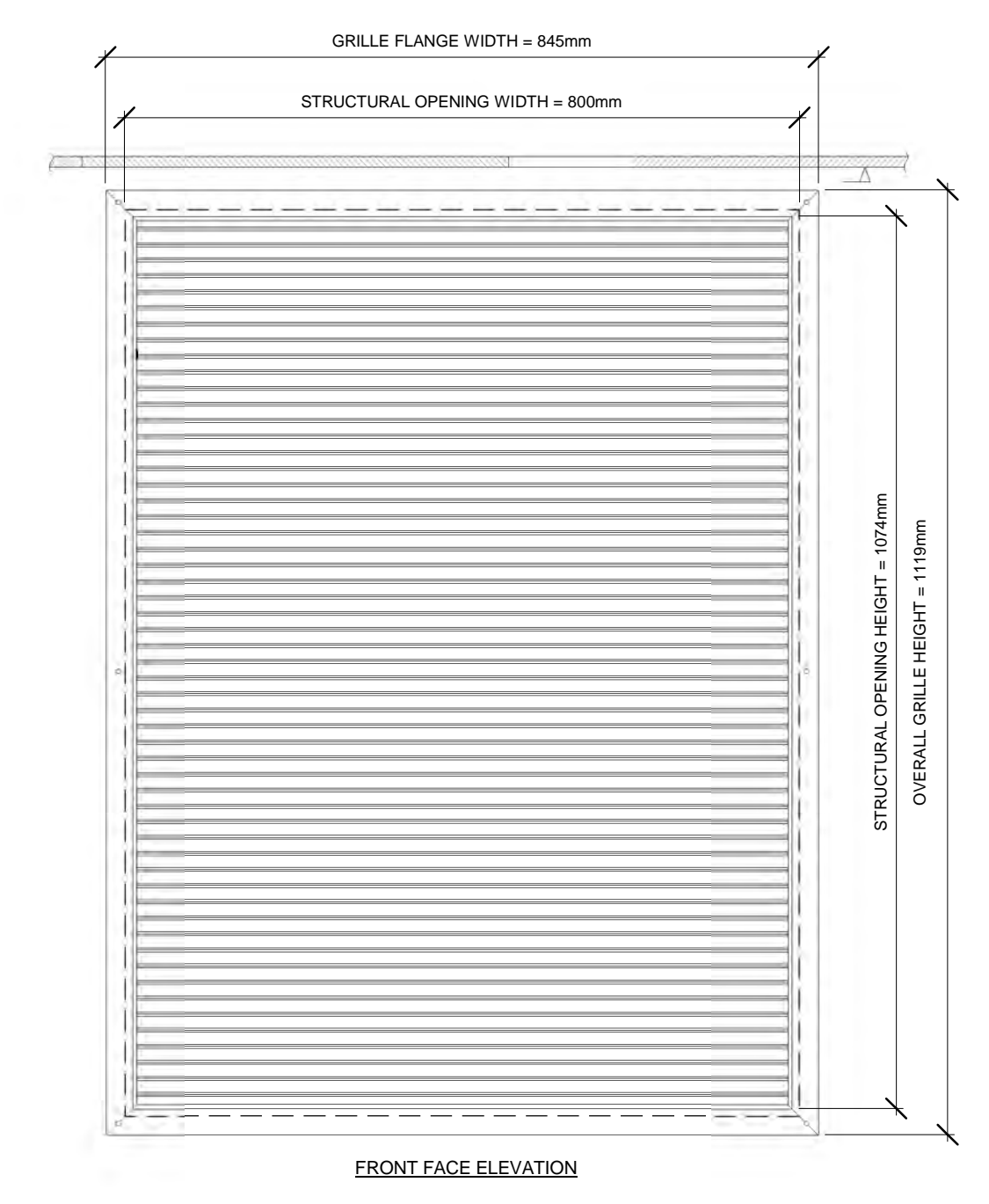
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2 LEVEL 01 PLAN
1:100



3 LEVEL 02 PLAN
1:100



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	PLEASE CONFIRM DESIGN CRITERIA FOR SMOKE EXTRACT VENTILATION SYSTEM.	DESIGN CRITERIA IS BASED ON THE BRE SHMFT DESIGN REPORT 7004 ISSUE DATE 4th JUNE 2012, AS REFERENCED WITHIN THE SCOTTISH BUILDING STANDARDS TECHNICAL HANDBOOK.

A	25/08	ISSUED AT REVISION A	DAW	BRV
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1	09/03	T1 RDD ISSUE	DAW	BRV
	2016		SJ	MM

Re-provision of RHSC and DCN at Little France

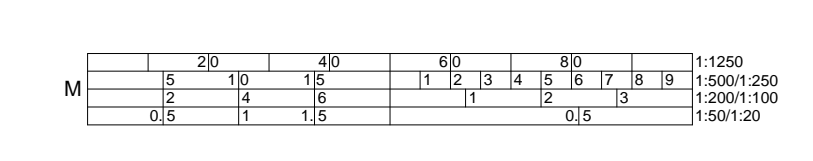


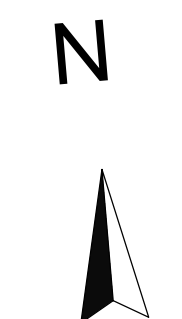
CORE 3 - SHEET 1
BED LOBBY SMOKE EXTRACT VENTILATION SYSTEM LEVELS 00,01 & 02

Drawing No. WW-SZ-SL-PL-524-003 Revision A

Scale @ A0 Date FEB. 2016

Status CONSTRUCTION





Notes
Check all dimensions on site. Do not scale from this drawing.
Report any discrepancies and dimensions to drawing originator.
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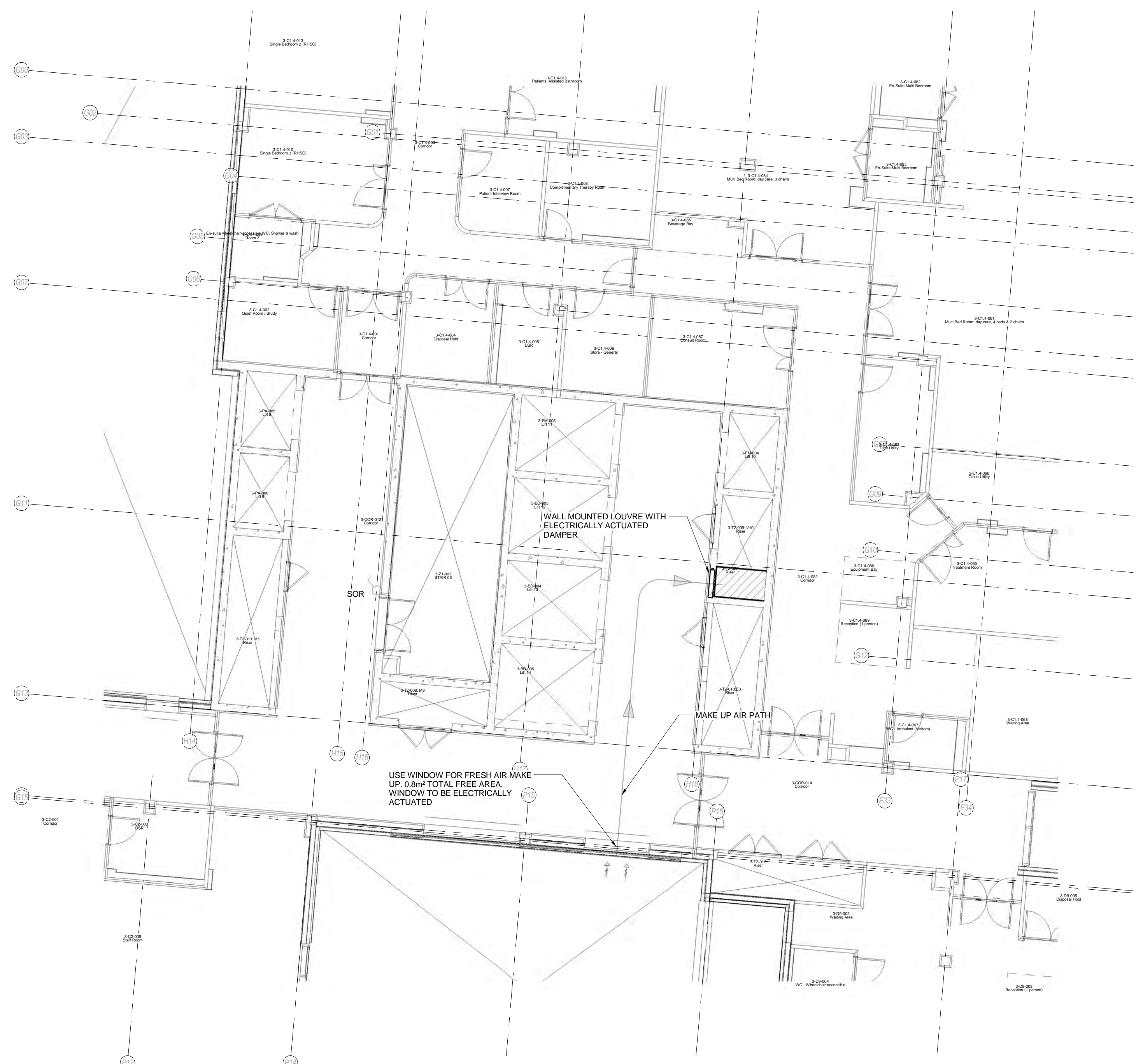
- Designer Identification of Hazard Risk
- Indicates a Residual Risk requiring a Compulsory Action
 - ⓘ Indicates a Residual Risk for Information
 - ⊘ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

LEGEND

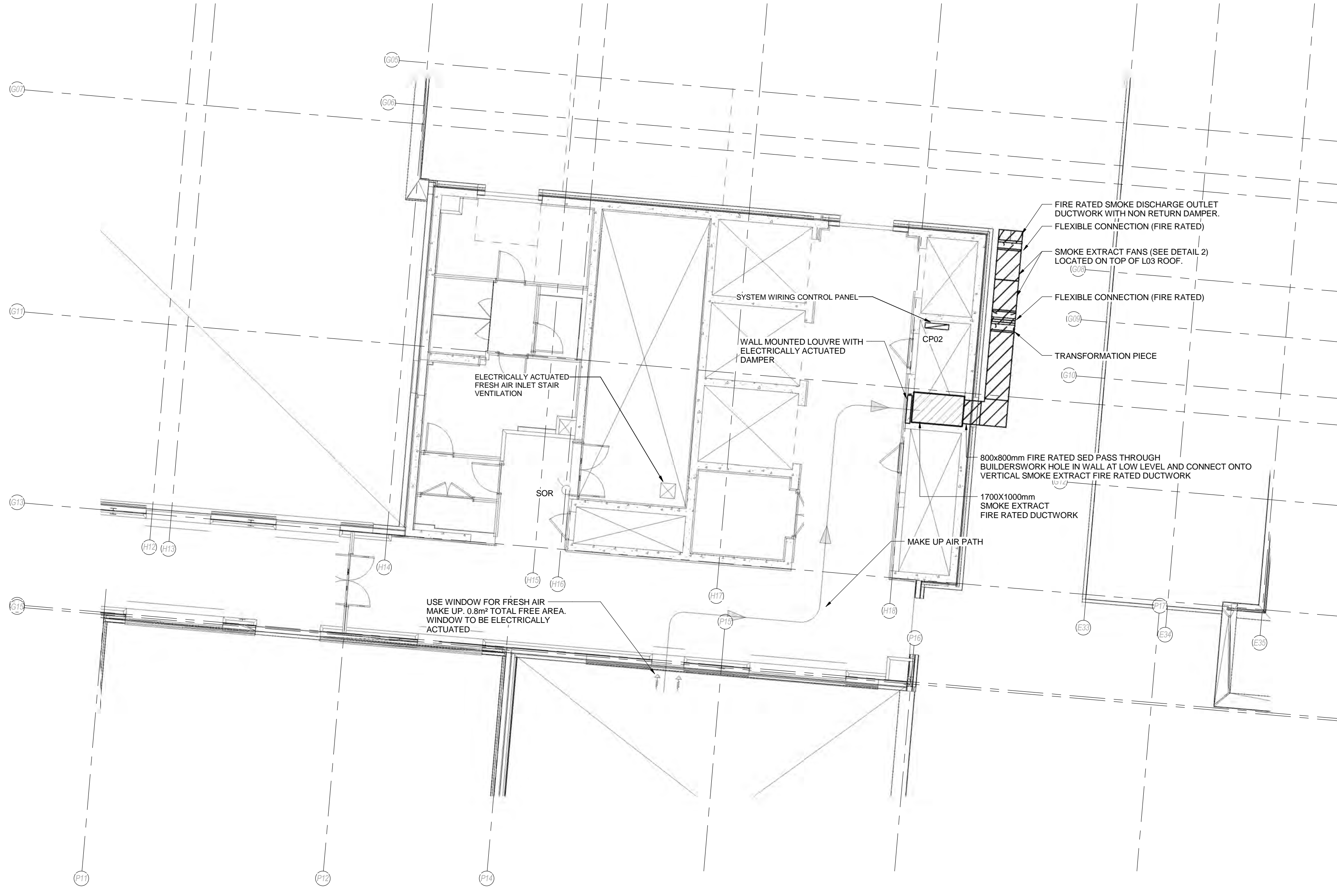
- FAI - FRESH AIR INLET
- SED - SMOKE EXTRACT EXCT
- MD - MOTORISED DAMPER
- - AIR PATH
- SOR - SYSTEM OVERRIDE SWITCH
- - CONTROL PANEL
- ▨ - FIRE RATED DUCTWORK

NOTES

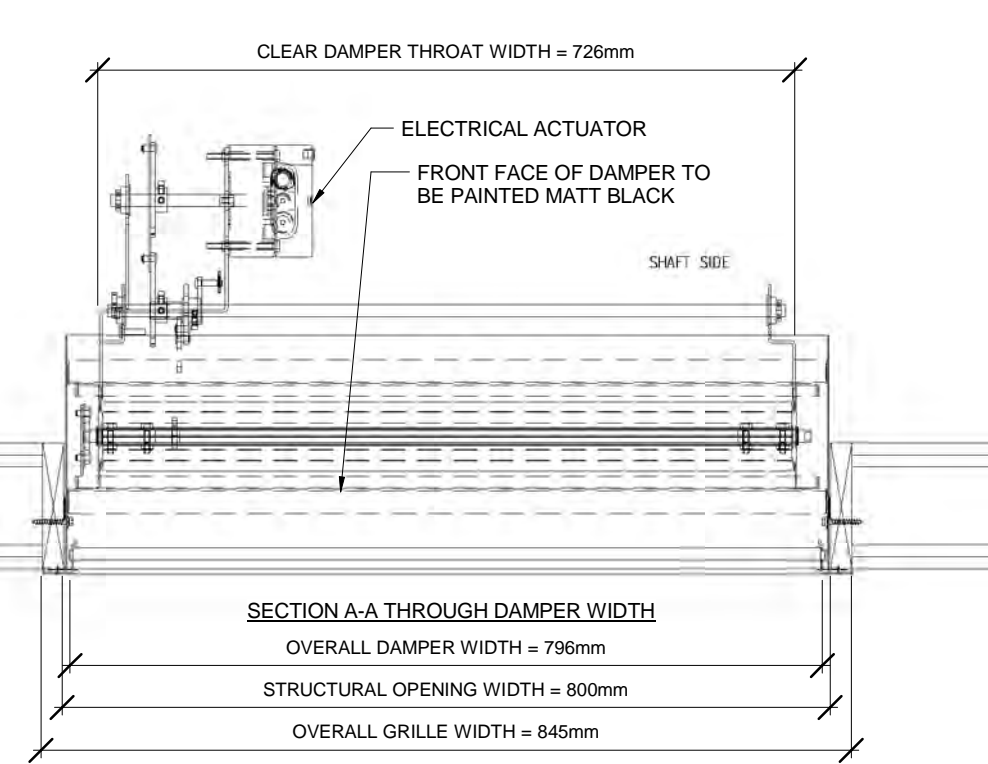
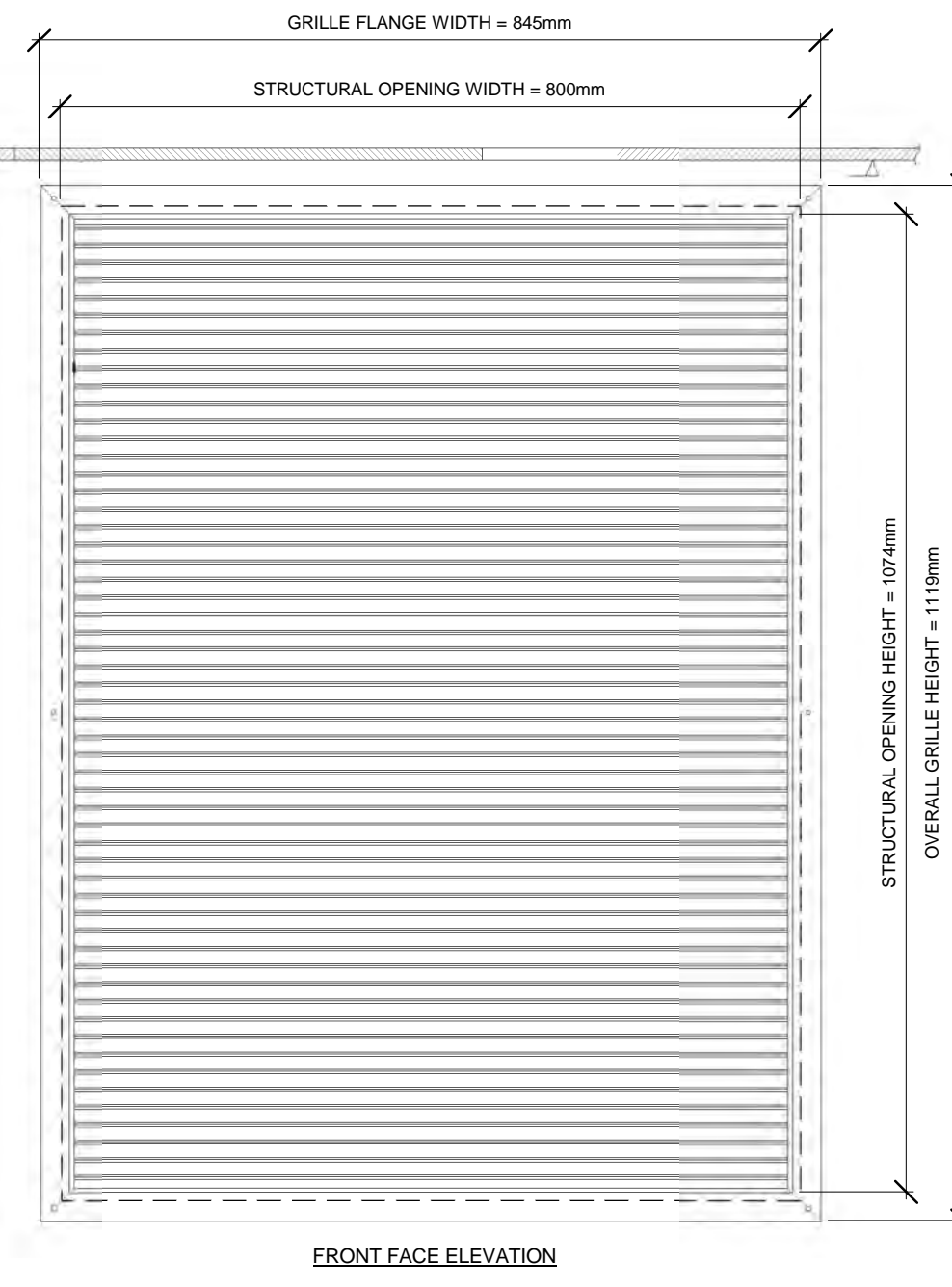
1. SMOKE EXTRACT FANS TO BE LOCATED AT THE TOP OF THE SMOKE EXTRACT RISER. FANS SET UP IN A DUTY STANDBY ARRANGEMENT (DUTY 20% @ 300PA)
2. SMOKE EXTRACT IS VIA FIRE RATED DUCTWORK RISER WHICH WILL HAVE A LOBBY LOUVER WITH AN ELECTRICALLY ACTUATED DAMPER FITTED. SEE DETAIL NO.1
3. FRESH AIR MAKE UP PROVIDED BY WINDOWS. WINDOWS TO HAVE ELECTRICAL ACTUATORS FITTED BY THE WINDOW MANUFACTURER FOR AUTOMATIC OPENING BY SMOKE EXTRACT CONTROL SYSTEM
4. THE MAIN PANEL AS INDICATED ON THE DRAWING IS TO BE SUPPLIED VIA A 300W 1 PH FIRE RATED CABLE RIG FROM THE LOCAL SECTION BOARD PROTECTED VIA A 50A MCB CIRCUIT
5. EACH ACTUATOR (ONE NO. AT EACH FLOOR) OR MOTORISED DAMPER TO BE SUPPLIED VIA A 400W FIRE RATED CABLE RIG FROM THE LOCAL DISTRIBUTION BOARD. A 50A TYPE B MCB WILL PROTECT THE CIRCUIT.
6. ALL POWER FIELD WIRING FOLLOWING:
 - WIRING FROM THE MOTORISED DAMPER TO THE PANEL
 - WIRING FROM THE PANEL TO THE BREAKGLASS AT TOP FLOOR
 - WIRING FROM THE SPUR TO THE MOTORISED DAMPER
 - WIRING FROM THE PANEL TO THE FIRE SERVICE CONTROL SWITCH
 - WIRING FROM THE PANEL TO THE ACTUATORS
 - ALL CABLED TO THE WIRING CENTRE
7. DUTY & STANDBY FANS SHALL BE PROVIDED FOR THE SYSTEM AND THE ELECTRICAL CONNECTIONS SHALL BE PROVIDED AS REQUIRED
8. THE SYSTEM SHALL BE CONNECTED VIA FIRE ALARM INTERFACE TO THE MAIN FIRE ALARM PANEL
9. ALL CONNECTIONS TO THE LOCAL FIRE DETECTION HEADS SHALL BE BY THE SPECIALIST CONTRACTOR
10. ALL BATTERIES, ACTUATORS REQUIRED FOR THE SYSTEM SHALL BE THE SPECIALIST CONTRACTORS RESPONSIBILITY.



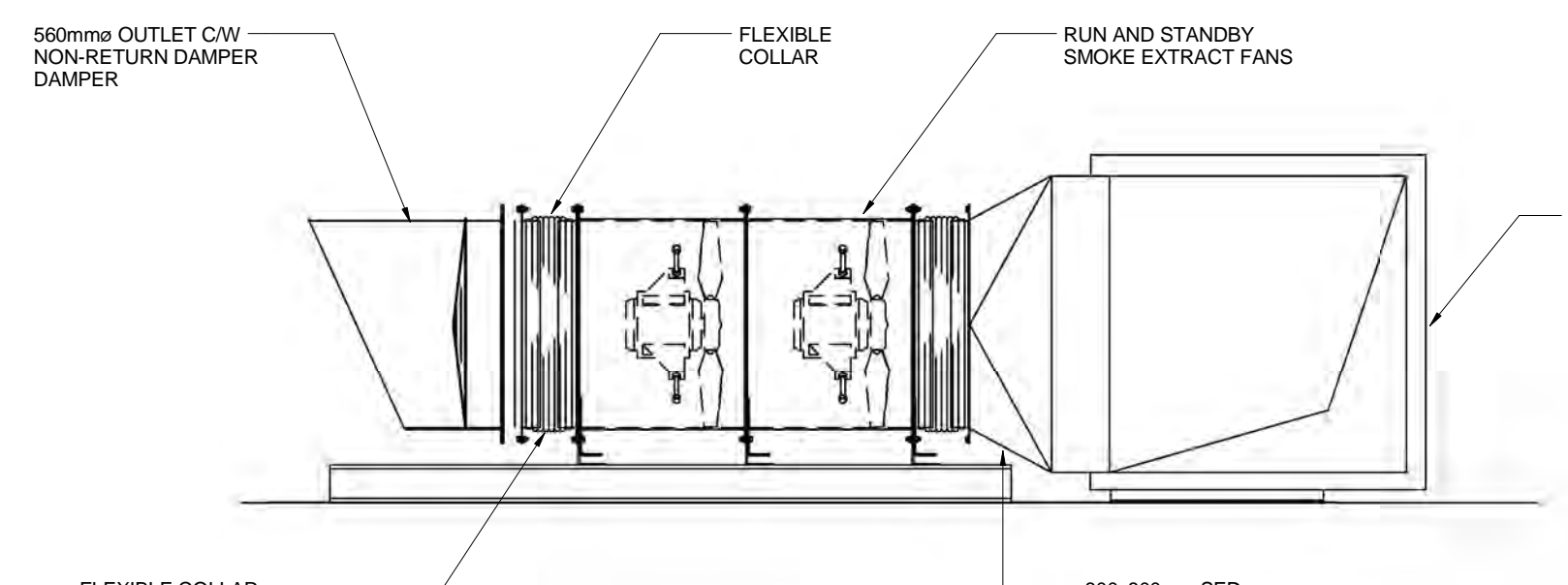
1 LEVEL 03 PLAN
1 : 100



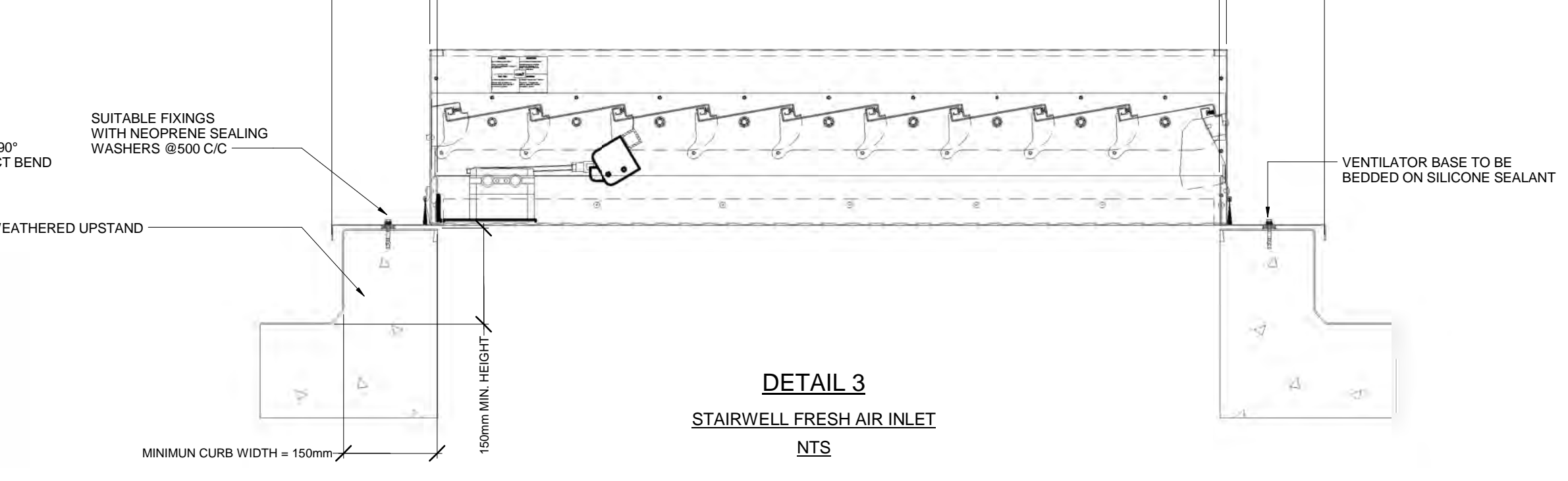
2 LEVEL 04 PLAN
1 : 100



DETAIL 1
WALL MOUNTED SMOKE EXTRACT LOUVER WITH ELECTRIC ACTUATOR
NTS



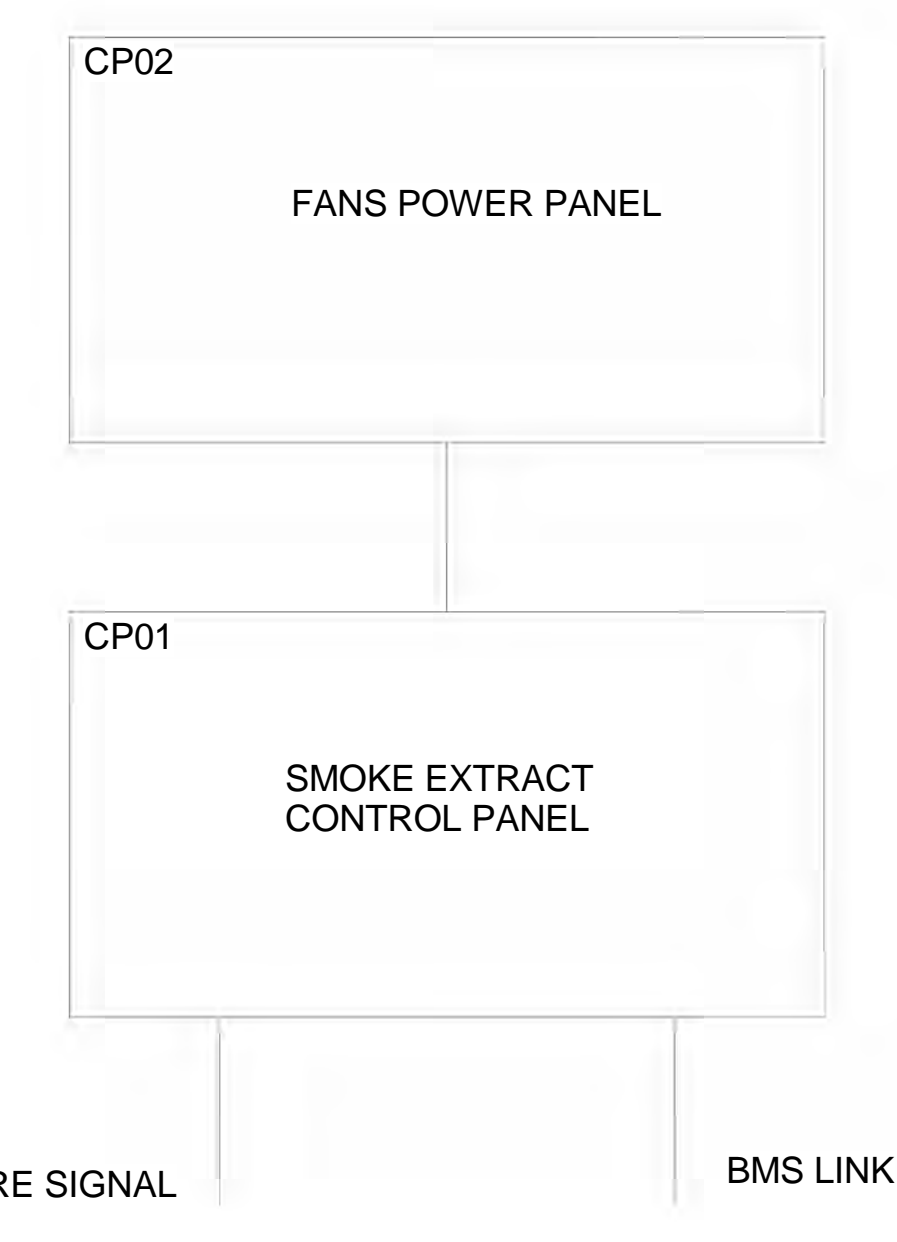
DETAIL 2
SMOKE EXTRACT FAN DETAIL AT LEVEL 04 ROOF
NTS



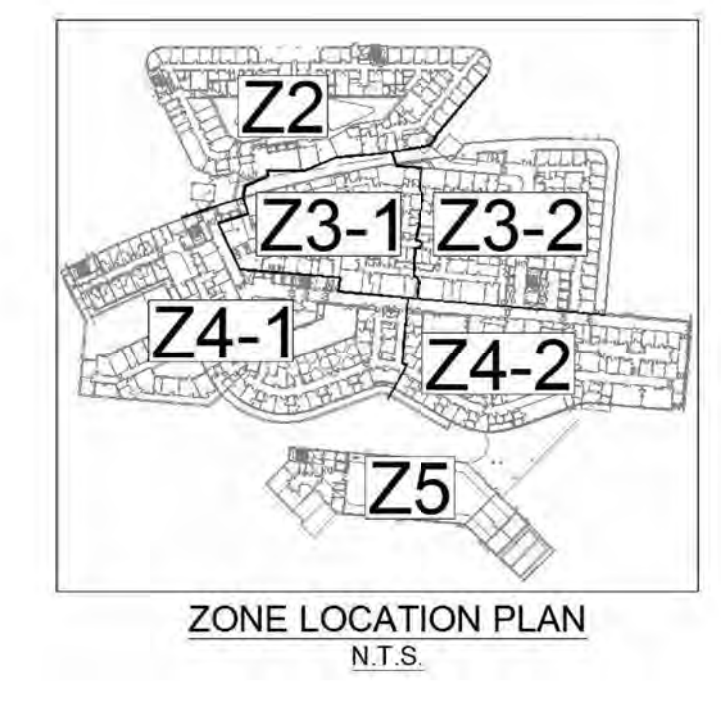
DETAIL 3
STAIRWELL FRESH AIR INLET
NTS

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	PLEASE CONFIRM DESIGN CRITERIA FOR SMOKE EXTRACT VENTILATION SYSTEM.	DESIGN CRITERIA IS BASED ON THE BRE SHAFT DESIGN REPORT 7924 ISSUE DATE 6th JUNE 2022, AS REFERENCED WITHIN THE SCOTTISH BUILDING STANDARDS TECHNICAL HANDBOOK.



SMOKE EXTRACT CONTROL PANELS SCHEMATIC
NTS



ZONE LOCATION PLAN
N.T.S.

Revisions	DAW	BRV
1 09/03/2016 T1 RDD ISSUE	DAW	BRV
2 09/03/2016 T1 RDD ISSUE	DAW	BRV

Project
Re-provision of RHSC and DCN at Little France
Client



Title
**CORE 3 - SHEET 2
BED LOBBY SMOKE EXTRACT
VENTILATION SYSTEM
LEVELS 03 & 04**

Drawing No. **WW-SZ-SL-PL-524-004** Revision **A**

Scale @ A0 Date **FEB. 2016**

Status
CONSTRUCTION





Choose certainty.
Add value.

Royal Hospital for Sick Children & Department of Clinical Neurosciences

Intra Operative MRI Room/
Theatre Ventilation

WW-SZ-SL-DC-500-005

June 2017

Issue / Revision Record

Issue	Date	By	Checked	Comment
1	02.03.16	JS	SMcK	
2	24.10.16	JS	SMcK	
3	08.06.17	JS	SMcK	
4	04.08.17	BR	JS	

WW24i



Item	Comment	Response
1.	Operational mode 1. – sketches show lobby between MRI & theatre, please amend to show true layout. Lobby entrance to be shown in theatre and doors open into theatre.	Operation mode 1 sketch amended to reflect current layout.
2.	Operational mode 3. – MRI temp control from MRI control room, theatre on set back conditions. Confirm setback conditions when neither room is in use. i.e. setback air volume and temperature.	Operating theatre set back conditions: 50% of air volume (12.5 ac/hr), air volume (12.5 ac/hr) 15°C temperature in line with SHTM 03-01. Intra Operative MRI Room set back conditions: 50% of air volume (12.5 ac/hr), 15°C temperature. In line with SHTM 03-01.
3.	OM 3 – Neither room in use, both rooms in setback condition, ac/hr and temperature.	Refer to point 2 above.
4.	OM 3 – Theatre taken into use, no MRI, theatre AHU ramps up to 25 ac/hr and temperature to MRI setpoint.	Agreed.
5.	OM 3 – MRI taken into use, no theatre, MRI AHU ramps up to 15 ac/hr and temperature to theatre setpoint.	Agreed.
6.	OM 3 – Each room in separate use, each has respective ventilation and temperature.	Agreed. Refer to operational mode 2 sketch and description.
7.	OM 3 – Both areas to be combined, MRI AHU ramps up to 25 ac/hr and adopts theatre temperature setpoint.	Agreed. Refer to operational mode 1 sketch and description.
8.	OM 3 – MRI emergency extract set to automatic at all times. If emergency extract is triggered, the air pressure stabilisers and AHU extract damper shall be spring closed and if in theatre mode, supply air to drop to 15 ac/hr. System to have facility to signal automatic closure of door if fitted by turnkey or staff to manually close link doors.	Emergency extract fan to be set to automatically operate at all times. AHU extract damper to close position. Supply from AHU drops to 15 ac/hr. Air pressure stabiliser will automatically close via a motorised damper.
9.	Confirm that this should be carried out by PCo.	Door closure controls and procedure by others in principal we agree with philosophy. Confirmed. Relevant sections in report updated.

We aim to be the pre-eminent provider of quality building services solutions and the best to work with, in the view of our clients, partners and colleagues. We believe in a sustainability led approach to design for the benefit of our clients and the world we live in.

It is our ultimate goal to work closely with our fellow professionals and clients to minimise carbon emissions and to deliver a better environment for us all to live in.

1.0 Introduction

Following the recent M&E Workshop held on site we now detail our revised understanding of the services strategy required to meet the user requirements for these areas. This report has been compiled due to the non-existence of specific SHTM/ SHPN or HTM guidance on this type of controlled area.

Design Concept

At present the MRI Room (1-P1-064) is served from a branch off the common supply system for the department. In this instance the supply branch is the first taken from general departmental system. The ductwork branch serving the MRI Turnkey area shall be increased to allow for 25 ac/hr air flow and the installation of a secondary heater battery and HEPA filter shall be provided, and then capped off for the turnkey specialist fit out to the MRI area. By introducing a combination of motorised and constant volume dampers to the supply system, this will allow the AHU via variable volume control to increase the air flow rate to the desired 25 ac/hr under pressure control when in 'Operating Theatre' (OT) mode with the secondary heater battery lifting the air temperature to the required design conditions. Under normal operational conditions (not in 'OT' mode) the system shall remain as is, with air the secondary areas incorporating constant volume dampers as part of the turnkey works.

The proposal will require the existing AHU to be upgraded to Operating Theatre specification in accordance with SHTM 03-01. This includes run/ standby fans, and a blank section for future humidifier installation, and an increased supply air volume. This also avoids the need for the substantial associated costs involved with the inclusion of an additional AHU within an already busy Level 02 Plantroom.

The MRI control room will be provided with a control panel capable of operating the controls to the heating and ventilation systems.

Environmental Conditions

Temperatures

Theatre, Corridor/Lobby and MRI Room shall be maintained at the same temperature when in 'OT' mode'. At other times rooms can be individually temp controlled.

Air Pressurisation

Theatre, Corridor/Lobby and MRI Room to be at same pressure (+25Pa) and positively pressurised to adjacent corridors. Air pressure stabilisers (APS) will be installed within the MRI room to maintain the pressure regime.

Air Change Route

In accordance with SHTM 03-01 we would propose: -

- Operating Theatre (1-P1-155): 25 ac/hr minimum via UCV canopy
- MRI Room (1-P1-064): 15/25 ac/hr minimum via ceiling mounted diffusers

Plant

We have reviewed options for the installation of separate plant for the MRI room and theatre area and now believe that separate plant serving both these areas is optimum solution.

Operation

We have identified the following 4 operational modes.

1. Operating Theatre and MRI Room operating as single space – common temperature throughout controlled from surgeon's panel, located within Operating Theatre (1-P1-155) with sensors in each area linked via the BMS system. Ventilation would be provided to both areas to achieve (+25Pa) positive pressure to adjacent spaces. This from the two separate ventilation plants.
2. Operating Theatre and MRI Room as two separate spaces – Operating Theatre will react to whatever temperature is selected at surgeon's panel. MRI local setting sensor will be enabled via BMS. Ventilation would be provided to the Operating Theatre to provide (+25Pa) positive pressure. The MRI Room (1-P1-064) would operate at normal MRI room conditions at 15 ac/hr.
3. MRI Room only, Operating Theatre not in use - MRI Room temperature would be controlled to normal MRI Room conditions at temperature of 21°C. Ventilation would operate as per all other MRI areas at 15 ac/hr. Operating Theatre goes to set back mode, ie ventilation air volume reduced to 50% and temperature maintained at 15°
4. MRI room and Operating Theatre both not in use – both rooms go into set back mode.
Operating Theatre – Ventilation 50% (12.5 ac/hr) @ 15°C
MRI Room – Ventilation 50% (12.5 ac/hr) @ 15°C

Quench Pipe

The MRI Quench pipe shall rise vertically to the Level 02 roof level adjacent to the Level 02 plantroom where it shall discharge to atmosphere.

Filtration

To maintain the MRI Room at the same standard of filtration as Operating Theatre (1-P1-155), high efficiency particulate air filters (HEPA/absolute) graded to H14 will be provided on the main supply air branch serving the MRI turnkey area.

Emergency Extract Installations

An emergency extract air system shall be provided to extract 15 ac/hr in the event of quench pipe discharge failure. During this event the wall mounted air pressure stabiliser shall be shut off by a motorised damper. Supply to the room shall continue to operate at a minimum of 15 ac/hr.

The emergency extract system will be activated from the MRI control room via manual/ off/ auto selector switch.

When in 'auto' mode, an extract duct mounted O₂ sensor shall, on sensing oxygen depletion, activate an alarm in the room and activate the system.

The MRI Room emergency ventilation when activated will assume the closure of the intervening door by staff or by automatic closure if fitted by Turnkey contractor.

Installation

This solution will allow full Turnkey fit out of the MRI Room associated areas.



Service Arrangements

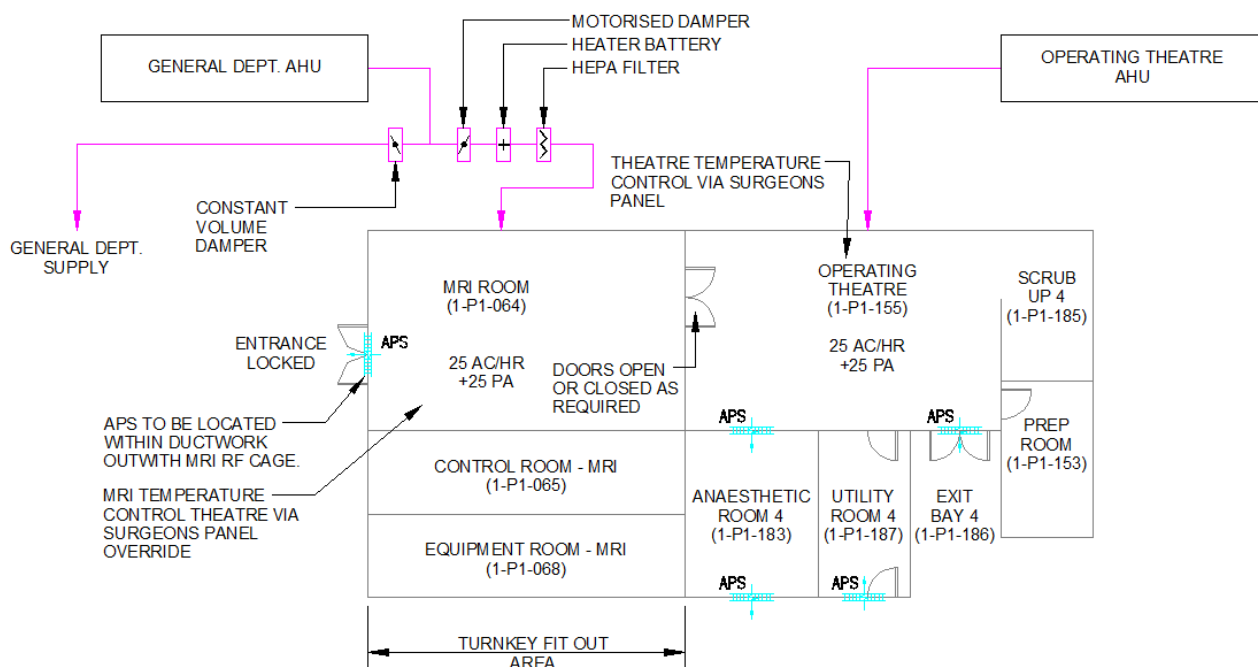
We have appended sketch to this report detailing the suggested Pressure regimes and air paths etc.

Action going forward

In order to finalise the design strategy and conditions for this area we require NHS to acknowledge this report and advise if any amendments are required prior to their agreement and acceptance of these proposals.

Operational Modes (Sketches) – Temperatures / Ventilation

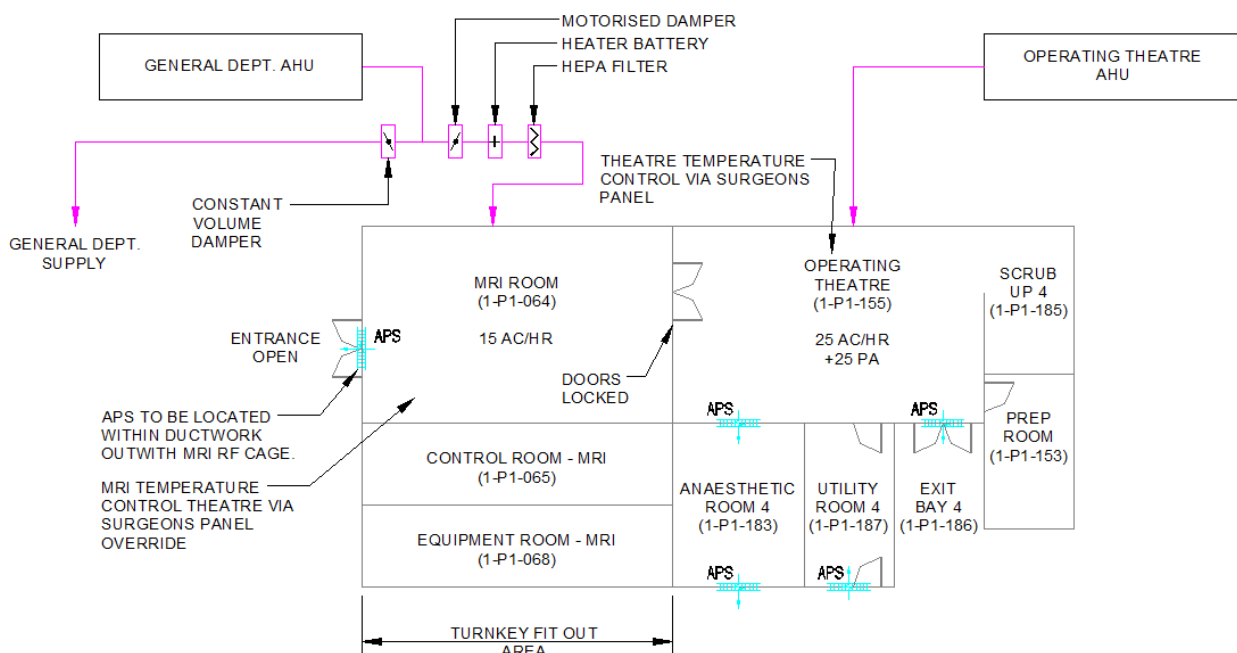
1. Operating Theatre and MRI Room operating as single space





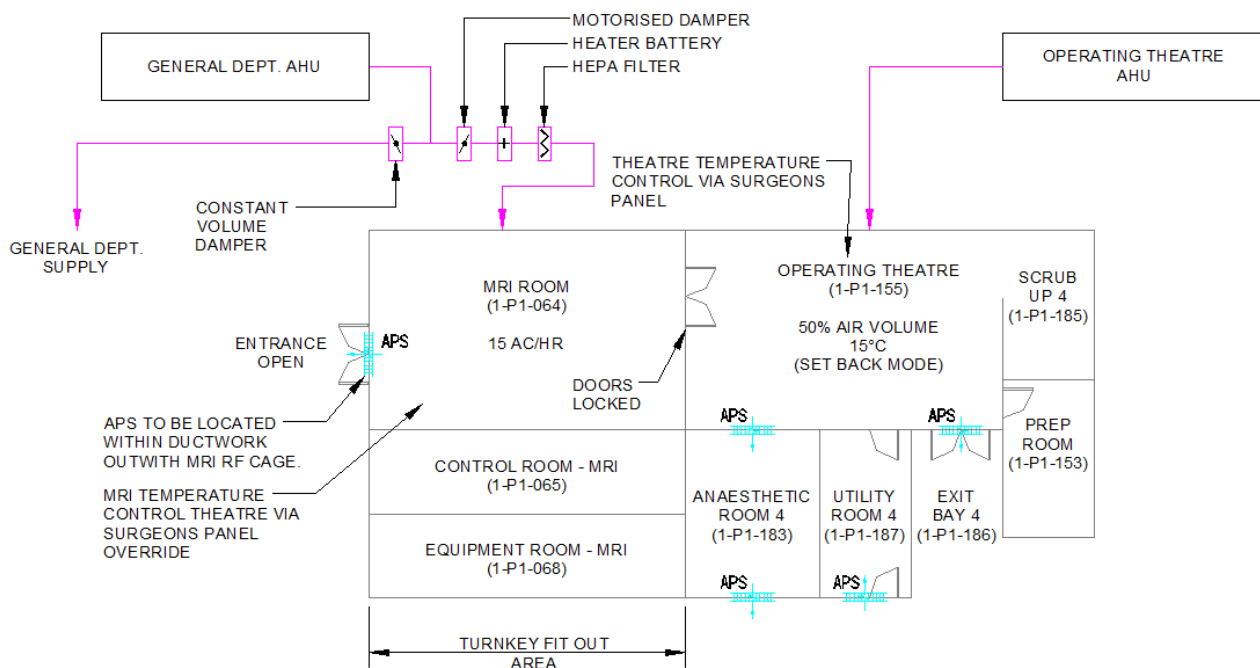
Royal Hospital for Sick Children & Department of Clinical Neurosciences
 Intra Operative MRI Room/Theatre Ventilation
 Issue No. 1

2. Operating Theatre and MRI Room as two separate spaces



N.B. – Intermediate corridor can be installed or omitted to suit final layout.

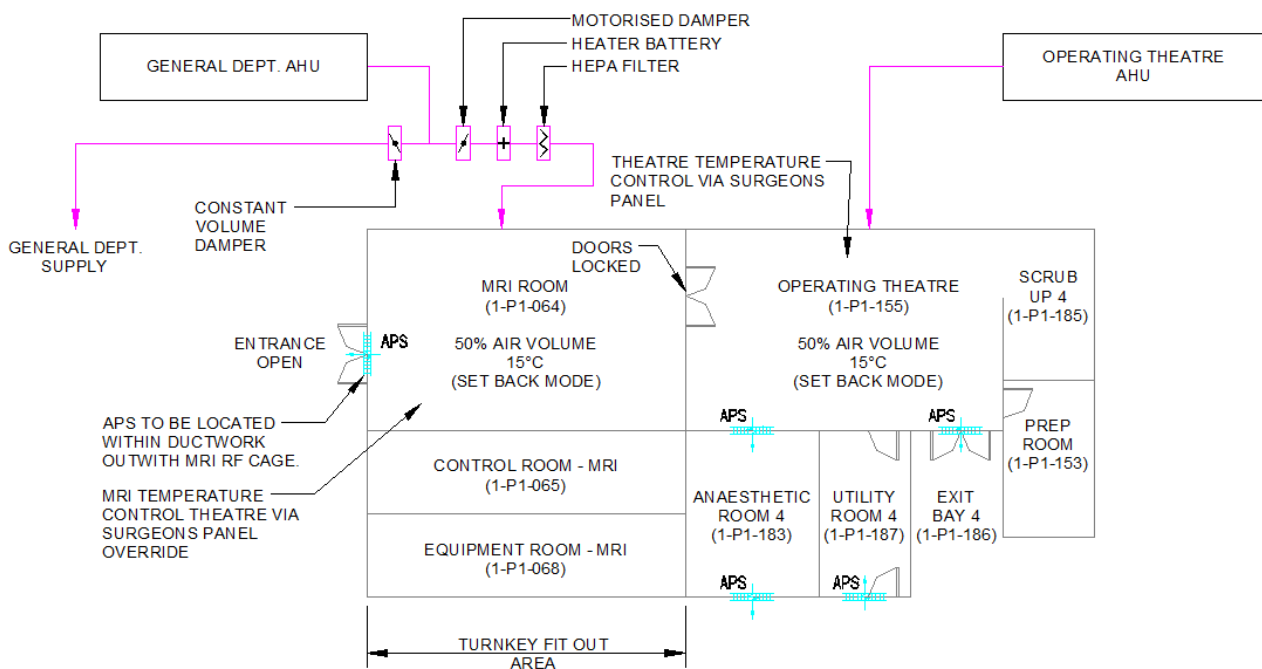
3. MRI Room only, Operating Theatre not in use.





Royal Hospital for Sick Children & Department of Clinical Neurosciences
 Intra Operative MRI Room/Theatre Ventilation
 Issue No. 1

4. MRI Room & Operating Theatre not in use.





Wallace Whittle

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Email: belfast-admin@tuv-sud.co.uk

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Email: warrington-admin@tuv-sud.co.uk

UAE Office

Office 407, IBN Battuta Gate
PO Box 2834
Telephone: +97 (0)4 374 6625
Email: max.bailes@wallacewhittle.com

Notes

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Design or Identification of Hazard Risk

- Indicates a Hazard Risk requiring a Consequential Action
- Indicates a Hazard Risk for Information
- ⊕ Indicates a Hazard Risk requiring a Preventive Action
- ⚠ Indicates a Hazard Risk as a Warning

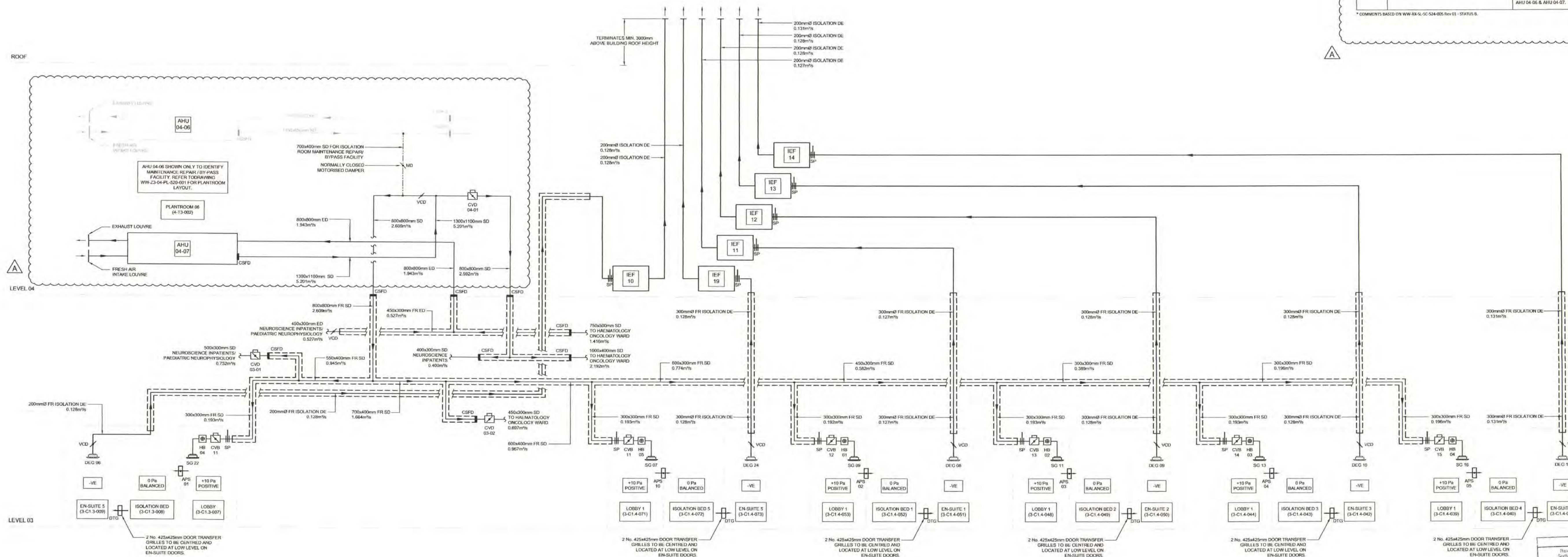
- LEGEND**
- SUPPLY DUCT
 - - - EXTRACT DUCT
 - - - ISOLATION DIRTY EXTRACT DUCT
 - - - FIRE RATED DUCT
 - SD - SUPPLY DUCT
 - ED - EXTRACT DUCT
 - DE - DIRTY EXTRACT
 - SG - SUPPLY GRILLE
 - DG - DIRTY EXTRACT GRILLE
 - AHU - AIR HANDLING UNIT
 - IEF - ISOLATION EXTRACT FAN
 - FD - FIRE DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - VCD - VOLUME CONTROL DAMPER
 - HB - HEATER BATTERY
 - MD - MOTORISED DAMPER
 - APS - AIR PRESSURE STABILISER
 - CVD - CONSTANT VOLUME DAMPER
 - CVB - CONSTANT VOLUME BOX
 - FR - FIRE RATED
 - SP - SPECTACLE PLATE
 - DTG - DOOR TRANSFER GRILLE

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NO REF TO HEPA FILTER OR MAINTENANCE BYPASS. PLEASE CONFIRM.	TERMINAL HEPA FILTERS UNITS ARE IDENTIFIED ON THE RELEVANT SCHEDULE OF SUPPLY GRILLES. MAINTENANCE BYPASS SUPPLY DUCTWORK ADDED TO LHM AHU 04 06 & AHU 04 07.

* COMMENTS BASED ON WW-XX-SL-SC-524-005 Rev 01 - STATUS 6

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH D19M4
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS, SCHEDULES AND VENTILATION LAYOUT DRAWINGS.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - ISOLATION EXTRACT FANS TO BE ROOF MOUNTED WITH A SPECTACLE PLATE SO THAT THE SYSTEM CAN BE SEALED TO ALLOW THE ISOLATION SUITE TO BE DISCONNECTED. THE PLATE SHOULD BE FITTED AT THE INLET OF THE EXTRACT FAN. THIS WILL ALSO PERMIT ISOLATION OF THE EXTRACT FAN FOR SERVICE AND MAINTENANCE.
 - ISOLATION EXTRACT FANS DISCHARGE TO BE 300MM ABOVE THE BUILDING ROOF HEIGHT.
 - THE ISOLATION EXTRACT FAN MOTOR SHOULD BE MOUNTED OUT OF THE AIR STREAM AND SHOULD BE CAPABLE OF BEING CHANGED WITHOUT WITHDRAWING THE GRILLES OR OPENING THE DUCTWORK ALL IN ACCORDANCE WITH SAMPN 04 SUPPLEMENT 1.
 - ACCESS AND CLEANING HATCHES TO BE FITTED ONLY WHERE ABSOLUTELY NECESSARY.
 - A FLOW SENSOR TO BE FITTED TO EACH SYSTEM THAT WILL ALARM ON FAILURE AT A DISCRETE TUNING STATION AND THE ESTATE'S DEPARTMENT. ALL INCORPORATED WITHIN THE BMS SYSTEM.
 - ISOLATION EXTRACT DUCTWORK, THE FAN AND DISCHARGE STACK MUST BE CLEARLY MARKED TO IDENTIFY THE ISOLATION SUITE THAT THEY SERVE. SERVICE, MAINTENANCE AND CLEANING CHANGE OF THE SYSTEM WILL BE SUBJECT TO A PERMIT TO WORK.



Revisions

Rev	Description	By	App
1	ISSUED FOR INFORMATION	AW	AW
2	ISSUED FOR INFORMATION	AW	AW

Project: **Re-provision of RHSC and DCN at Little France**

Client: **NHS Lothian**

Project: **Re-provision of RHSC and DCN at Little France**

Client: **NHS Lothian**

RDD

Revised Design Check
Section 9 of Schedule Part 6

Name: **B. CORRIE**

Date: **21/03/12**

Level: **A**

LEVEL 03 ISOLATION ROOM VENTILATION SCHEMATIC SHEET 1 OF 2

Drawing No: **WW-XX-SL-SC-524-005** Revision: **A**

Scale @ A0: **NTS @ A0** Date: **OCTOBER 2016**



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- Designer Identification of Hazard Risk
- Indicates a Residual Risk requiring a Compulsory Action
 - Indicates a Residual Risk for Information
 - ⊖ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

LEGEND

- SUPPLY DUCT
- - - EXTRACT DUCT
- - - ISOLATION DIRTY EXTRACT DUCT
- - - FIRE RATED DUCT
- SD - SUPPLY DUCT
- ED - EXTRACT DUCT
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- FR - FIRE RATED
- SP - SPECTACLE PLATE
- DTG - DOOR TRANSFER GRILLE

Rev	Date	Description	By	App
A	23/02/2017	RDD COMMENTS INCORPORATED. AHU 04-09 ADDED AND BY-PASS MAINTENANCE FACILITY ADDED.	JS	BR/AW
1	22/11/2016	ISSUED FOR INFORMATION	JS	BR/AW

Re-provision of RHSC and DCN at Little France



LEVEL 03 ISOLATION ROOM VENTILATION SCHEMATIC SHEET 2 OF 2

Drawing No.	Revision
WW-XX-SL-SC-524-006	A

Scale @ A1 Date OCTOBER 2016

INFORMATION

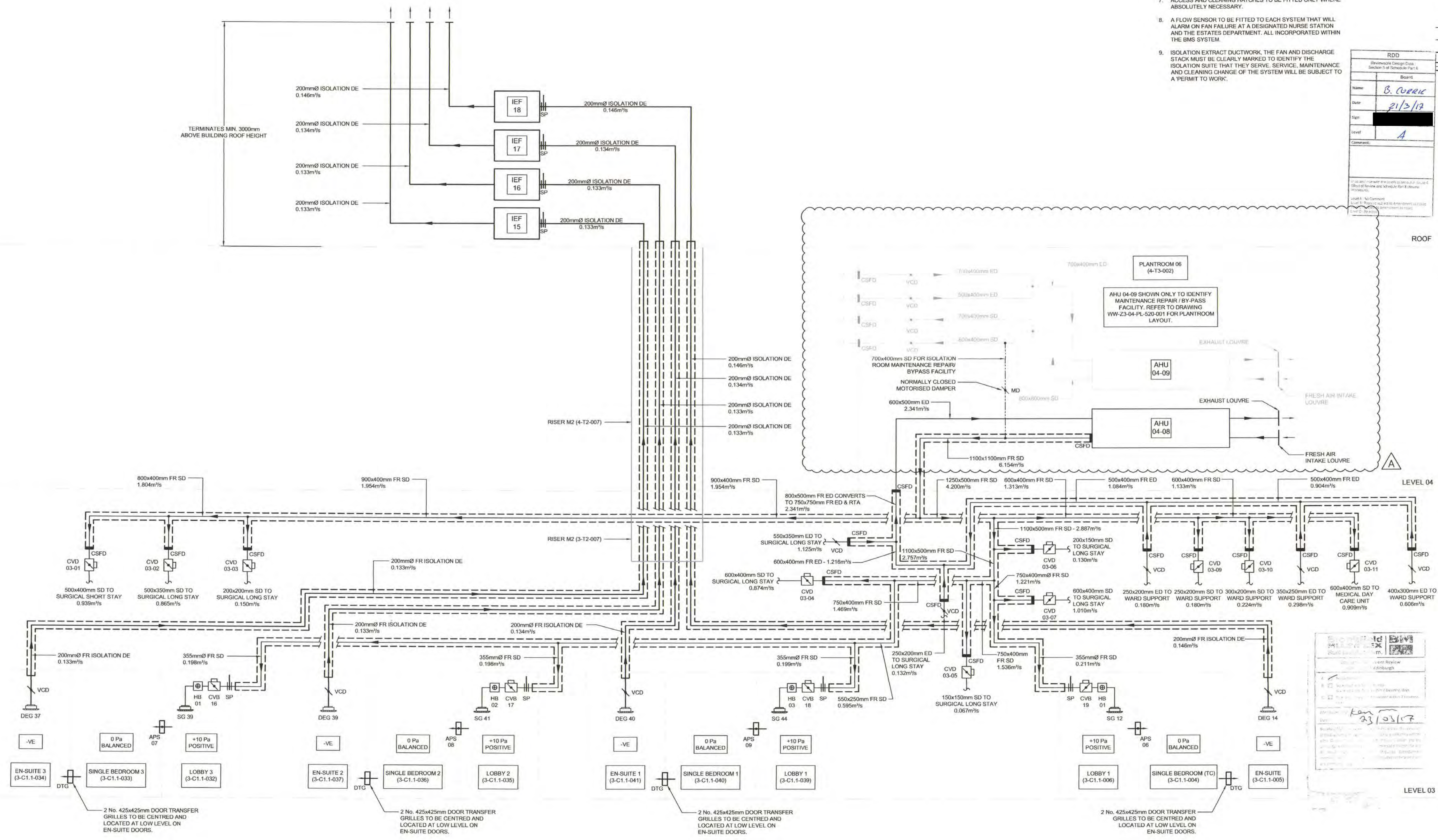
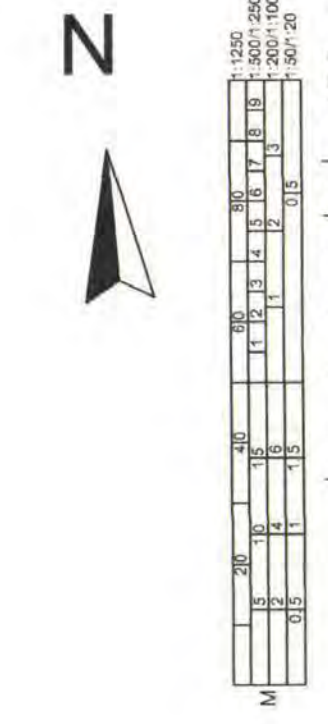


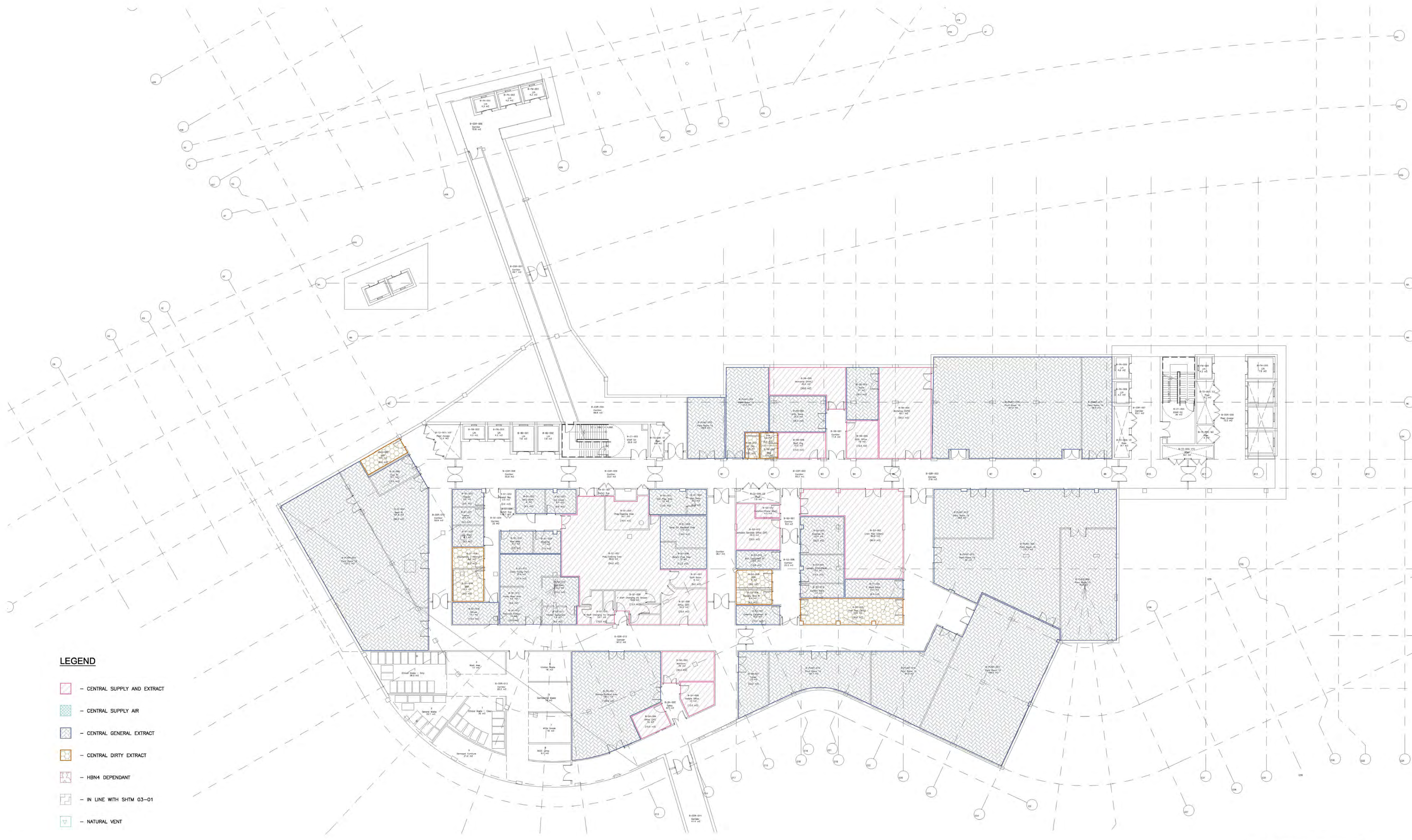
RDD COMMENTS		
ITEM	COMMENT	RESPONSE
1.	ALL ISOLATION ROOM VENTILATION SCHEMATICS SHOULD INCLUDE REFERENCE TO HEPA FILTERS OR MAINTENANCE BY-PASS.	TERMINAL HEPA FILTER UNITS ARE IDENTIFIED ON THE RELEVANT SCHEDULE OF SUPPLY GRILLES. MAINTENANCE/ REPAIR SUPPLY DUCTWORK ADDED TO LINK AHU 04-08 & AHU 04-09.

* COMMENTS BASED ON WW-XX-SL-SC-524-006 Rev 01 - STATUS B.

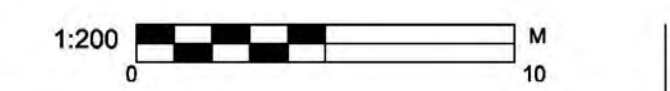
NOTES

- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS, SCHEDULES AND VENTILATION LAYOUT DRAWINGS.
- ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
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- LEGEND**
- CENTRAL SUPPLY AND EXTRACT
 - CENTRAL SUPPLY AIR
 - CENTRAL GENERAL EXTRACT
 - CENTRAL DIRTY EXTRACT
 - HBN4 DEPENDANT
 - IN LINE WITH SHTM 03-01
 - NATURAL VENT



BASEMENT LEVEL - VENTILATION STRATEGY
Re-provision of RHSC and DCN at Little France
 Commercially in Confidence

Date
19/11/2013
Drawing No.
WW-SZ-B1-PL-524-001

Scale
1:200
Rev
FT



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Add value.

Wallace Whittle

**Royal Hospital for Sick Children
& Department of Clinical
Neurosciences**

Magnetic Resonance Imaging &
Computed Tomography
Ventilation, Cooling and Quench
Requirements

WW-SZ-SL-DC-500-001



IHS LOTHIAN
INTEGRATED HEALTH SOLUTIONS

Breakfield Multiplex Building Services Division	
Project: [Redacted]	
Date: [Redacted]	
A	<input type="checkbox"/> No Comments
B	<input checked="" type="checkbox"/> Noted subject to comments Review completed within 7 business days
C	<input type="checkbox"/> Rejected - comments returned within 7 business days
BM Checked by: [Redacted]	
Date: 09/31/17	
Breakfield Multiplex reserves the right to consider the consultant of its obligations with regard to completion and conformity with the other Consultants and specify Subcontractors design and the project Agreements, Employer Requirements and the cost plan and for ensuring that there are no ambiguities, discrepancies, inconsistencies or omissions within this document or between it and any other design document.	

RDD	
Reviewable Design Check Section 5 of Schedule Part 8	
Board	
Name	[Redacted]
Date	2/3/17
Sign	[Redacted]
Level	B
Comment:	
In accordance with the Levels as set out in clause 4 Effect of Review and Schedule Part 8 (Review Procedure), Level A: No Comment Level B: Proceed subject to Amendment as noted Level C: Subject to amendment as noted Level D: Rejected	

Issue / Revision Record

Issue	Date	By	Checked	Comment
1	11.11.15	PC	JB	Initial Issue for NHSL Review
2	02/12/15	PC	JB	NHSL Comments Added
3	04/02/16	PC	JB	NHSL Comments Added and Drawings Updated
4	17/02/16	PC	JB	Architects comments added
5	25/11/16	BR	PC	NHSL Comments Incorporated and Drawings Updated. MRI & CT Chillers relocated
6	01/02/17	DB	BR	NHSL Comments Incorporated

WW241



CONFIRM THE ROUTING OF QUENCH PIPES HAS BEEN DESIGNED TO ALLOW ON ONE SET OF PIPES WITHOUT AFFECTING OTHER SET.

THE AGREED PIPEWORK LENGTHS ARE DIFFERENT TO STATED IN THIS DOCUMENT. OPTION 3A WAS AGREED HOWEVER OPTION 3 IS PROPOSED.

RDD Comments

ITEM	COMMENT	RESPONSE
1	The approximate pipe lengths to be stated to ensure design option used, as agreed with the board.	Pipe lengths have been added to the document.
2	The specification used for the chillers ought to be worst case scenario in terms of weight, requirements etc. PCO to confirm this has been presented in this report.	Refer to Appendix 1, info received from board.
3	The board is to confirm whether pipework sizes are acceptable by all manufacturers and will come back to PCO	Noted
4	If the quench pipeworks are running in sets of two. Confirm the implication of someone working on one set of quench pipes and the other machine will not be effected.	Our understanding is that for safety, both machines would be affected if work is being carried out on one set of quench pipes. However, please confirm with specialist.
5	PCO please confirm the pipework will be accessible all along its route.	Pipework will be accessible along its route.
6	The I/O MRI chiller pipework was 41m in the original option, the report now states it is within 100m agreed with NHS please note this has not been agreed with the board. PCO to confirm overall agreed pipe lengths. G-Q1-059-61m G-G1-136-98m I-P1-064-61m G-Q1-092-69m G-Q1-110-72m G-Q1-123-87m G-Q1-134-95m	It is our understanding that the chiller location and pipework route has been agreed with board at previous meetings. See item 1 above.
7	PCO to confirm that the external riser pipework is fitted with trace heating tape.	Please refer to paragraph 2-4 – "Local electric supplies for trace heating will be provided on the MRI and CT external pipework, the trace heating to be provided by the specialist fit out contractor, who will also provide glycol for the individual chilled water systems".

We aim to be the pre-eminent provider of quality building services solutions and the best to work with, in the view of our clients, partners and colleagues. We believe in a sustainability led approach to design for the benefit of our clients and the world we live in.

It is our ultimate goal to work closely with our fellow professionals and clients to minimise carbon emissions and to deliver a better environment for us all to live in.

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- 1.0 Introduction
 - 1.1 Overview
- 2.0 Ground Floor MRI Rooms
 - 2.1 Emergency Ventilation
 - 2.2 Room Pressure Relief
 - 2.3 Chiller Locations
 - 2.4 Chilled Water Route
 - 2.5 Quench Pipe Route
- 3.0 First Floor MRI Room (Intra Operative)
 - 3.1 Emergency Ventilation
 - 3.2 Room Pressure Relief
 - 3.3 Chiller Locations & Chilled Water Route
 - 3.4 Quench Pipe Route
- 4.0 CT Rooms
 - 4.1 Chiller Locations & Chilled Water Route
- Appendix 1
Chiller Data Sheet
- Appendix 2
Quench Indicative Calculations

~~CONFIRM CHILLERS WILL MAINTAIN PERFORMANCE OVER LONG PIPE ROUTES FOR BOTH MRLS / OTS. NOT MPX ITEM~~

SC-524-008 01
 REVIEW AGAINST WW-SZ-SL-~~WAS~~ ~~1001~~,
 MRI VENT SCHEMATIC. OPERATION TO BE
 NOTED FOR ENHANCED VENT/ EMERGENCY EXTRACT
 INTERACTION WITH EMERGENCY EXTRACT / MODIFIED
 DAMPER ETC.

1.0 Introduction

1.1 Overview

In the radiography department on the ground floor of the RHSC & DCN, there are four MRI rooms including associated rooms and two CT rooms including associated rooms.

In order for these rooms to function safely and efficiently, it is essential that certain requirements are met with regard to cooling, ventilation and quench requirements. In the summer of 2015 dialogue started between NHSL and the design team in order to establish the parameters, equipment and routes required for these items. This dialogue went on for several months with various solutions highlighted which were either rejected or accepted in principle by the board.

This report is the culmination of these discussions and is to highlight the final proposed solution for each of these services for sign off by NHSL.

It should be noted that whilst installation of all quench pipes and chiller pipework currently sit with the board, discussions are being held for the project construction team to carry this out.

2.0 Ground Floor MRI Rooms

2.1 Emergency Ventilation

Extract

The individual rooms shall be provided with an emergency exhaust system which will provide a duty of 34m³/min (0.566m³/s) as requested and confirmed by NHSL.

CONFIRM AIR CHANGE RATES DNIS PROVIDES.

This system is activated either automatically by the MRI alarm panel or manually by a wall mounted switch, located in the MRI Control Room. The general extract to the room shall be shut off whenever the emergency extract fan is activated.

Each MRI room shall have its own dedicated emergency extract system.

This system shall be fire rated, both ductwork and fan.

Ductwork rises vertically up into the Level 02 Ventilation Plant Room and is discharged via a wall louvre.

CONFIRM LOCATION OF DNIS DISCHARGE.

Supply

Supply ventilation will be provided by the department air handling unit. This unit will continue to provide 15ac/hr to the MRI Scanning Room when the emergency exhaust system is activated.

Upon activation of the emergency extract system the motorised control damper on the general extract ductwork to the affected MRI Room will automatically close, with the general supply ventilation only being provided to the room in this situation by the department air handling unit.

CONFIRM DAMPER TIME TO CLOSE.

2.2 Room Pressure Relief

Over pressure relief shall be provided via a ceiling mounted grille connecting the room to the ceiling void. This arrangement has been confirmed as suitable by NHSL installers.

2.3 Chiller Locations

The MRI chillers are located at Level 04 on the level 03 roof, within the courtyard between grid lines P11 and P14.

A representation of the location and setting out is shown in Figure 2.3a.

Refer to the architectural drawings for the detailed layout showing the new external pipework riser.

Whilst no information is currently known about the specification of the chillers, a chiller has been utilised for the design process by IHSL based on discussions with NHSL that appears to suit the potential requirements of the MRI machines.

The longest pipe run taken from the MRI room to the furthest unit is 107m.

The data sheet for this chiller is attached in Appendix 1 and model 090 has been used.

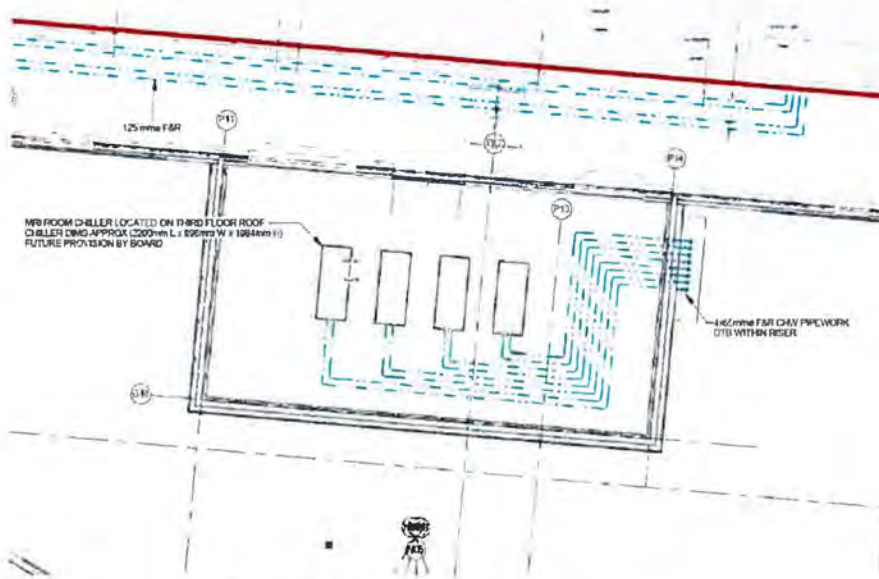


Figure 2.3a – Chillers Compound on Roof

THE CHILLERS USED FOR MODELLING SHOULD HAVE BEEN THE WORST CASE SCENARIO.

CONFIRM IT WILL BE POSSIBLE TO DELIVER THE PLANT TO THE ROOF CONSIDERING THE PLANT CAN'T BE TAKEN OVER PIPEWORK ONCE PIPEWORK INSTALLED.

PLEASE ALSO CONFIRM SPACE FOR REDUNDANCY CHILLER.

PLEASE IDENTIFY POWER SOURCE FOR EACH OF THE CHILLERS.

2.4 Chilled Water Route

PCO ARE RESPONSIBLE FOR TRACE HEATING FOR THE PIPEWORK BEING INSTALLED BY PCO.

The chiller pipework has been sized indicatively at 65mm ID (76mm OD) plus 40mm insulation giving an overall diameter of 156mm. Guidance has been received from a potential MRI supplier which ties in with our estimation. Local electric supplies for trace heating will be provided on the MRI and CT external pipework, the trace heating to be provided by the specialist fit out contractor, who will also provide glycol for the individual chilled water systems.

The space allocated within the pipework routes matches this size including maintenance access so no MRI manufacturer should be procuring their chillers based on a larger size than this.

A new riser has been formed external to the building to allow the MRI chilled water pipework run from the level 03 roof to the level 00 roof where it enters the building into the ceiling void.

The chiller pipework routes from the MRI drop in each equipment room into the basement where they run along the back wall of the plant room, shower rooms, workshop, staff room, equipment room, etc. Once the pipework reaches the sprinkler room, it moves south to avoid the sprinkler tanks location and continues along the inside of the corridor wall to riser V3 where it enters and rises to the ground floor.

NO TANKS, DOES THEREFORE THE ROUTE CHANGE?

Once the pipework reaches ground floor, it exits riser V3 into corridor (G-COR-009) and then into Staff Room (G-A3-001) where it rises to above through Level 01 floor slab into the new external riser. See Figures 2.4a - 2.4b for routing.

The external pipework riser and any cladding enclosing the chilled water pipework will be fully accessible along its entire length.

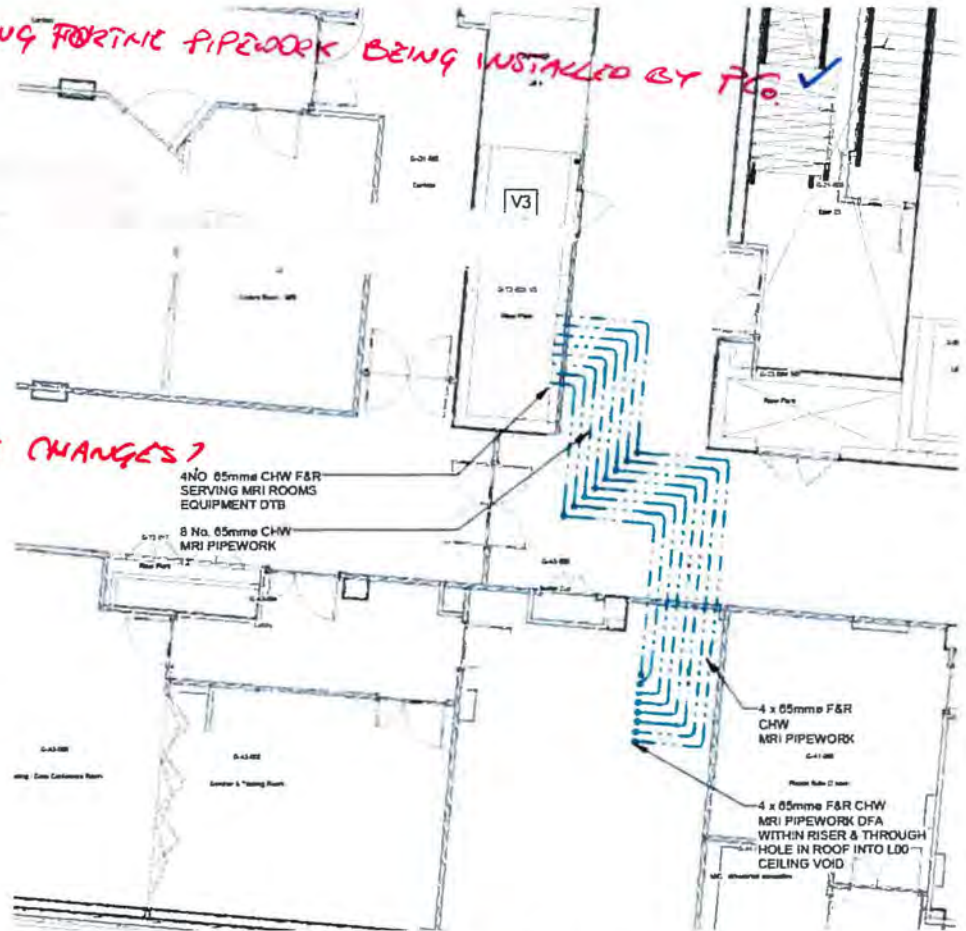


Figure 2.4b – Ground Floor Pipework Route

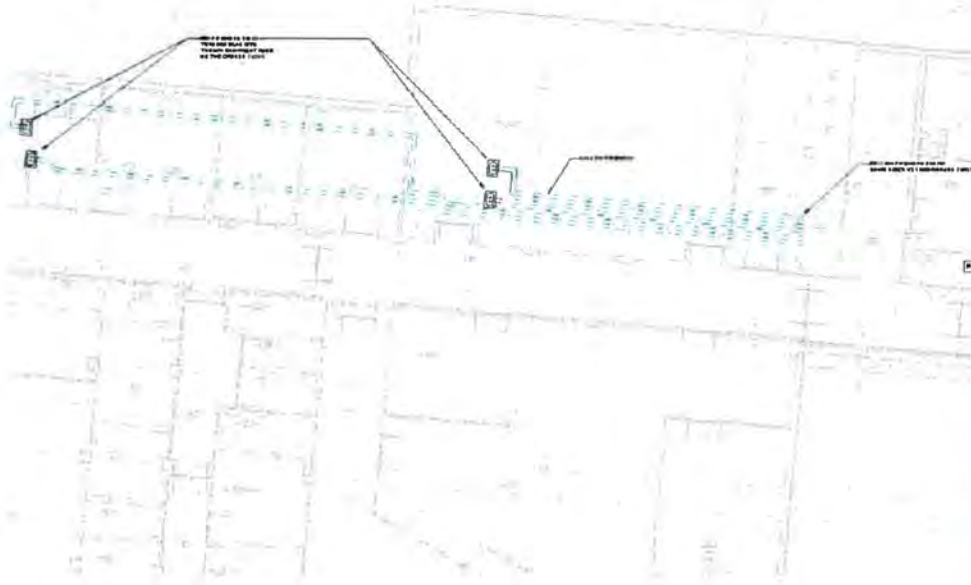


Figure 2.4a – Basement Pipework Route

FURTHER DISCUSSION REGARDING EMERGENCY BACK UP SUPPLY AND DRAINAGE REQUIRED.

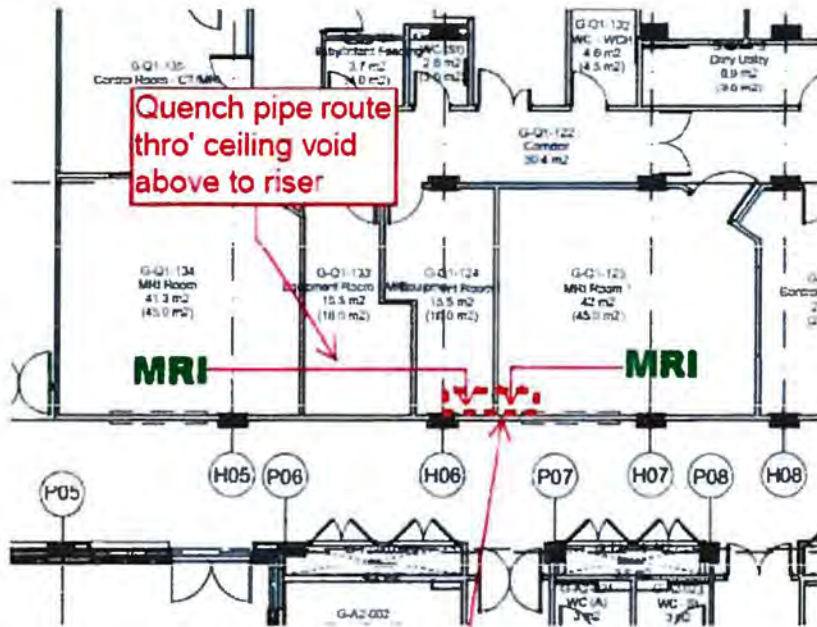
2.5 Quench Pipe Route

In order to limit the risk factor of quench pipe downtime due to failures of quench pipes in close proximity of each other, the quench pipes for the ground floor MRI machines have been grouped into two groups of two for the rise to the quench location. MRI rooms G-Q1-134 and G-Q1-123 have been grouped together and G-Q1-110 and G-Q1-099 have been grouped together.

The quench pipe has been indicatively sized at 400mm with a 75mm insulation installed at 1 degree angle.

The quench pipework route for rooms G-Q1-134 and G-Q1-123 exits the MRI rooms and run across the ceiling void to the dedicated riser 1-T2-018. The quench pipework then rises through the full height of the building to the rooftop discharge point. See Figures 2.5a – 2.5e for details.

The quench should be designed by a specialist and should include for all expansion bellows, supports, insulation, etc. as required.



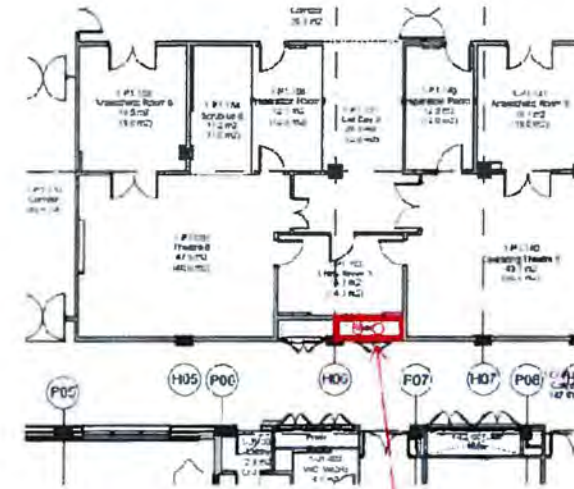
Quench pipe route thro' ceiling void above to riser

Riser above dotted - sized to take 2 no. Quench Pipes

Existing Provision - full height riser

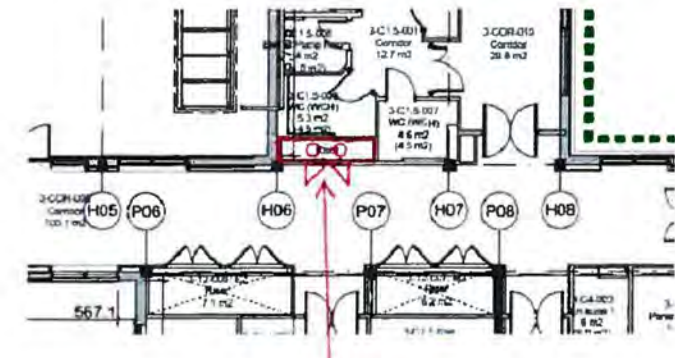
Handwritten notes in red ink:
 1.10 2.000 4.000
 1.10 2.000 4.000

Figure 2.5a – Ground Floor Quench Route 1



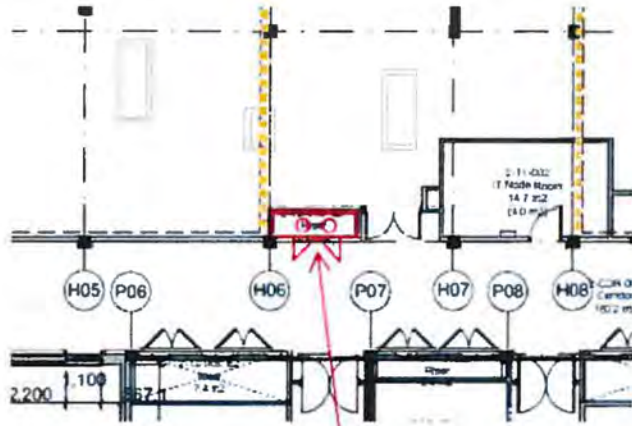
Riser carries 2 no. Quench Pipes

Figure 2.5b – First Floor Quench Route



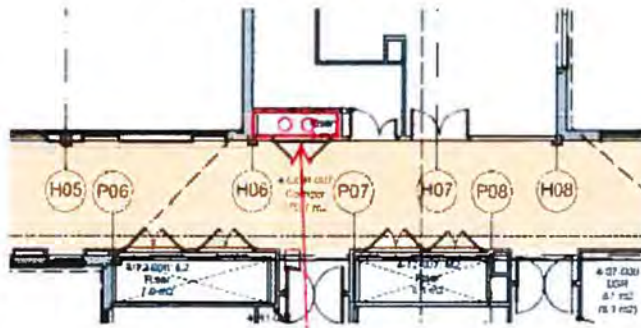
Riser carries 2 no. Quench Pipes to rooftop discharge point

Figure 2.5c – Second Floor Quench Route



Riser carries 2 no. Quench Pipes

Figure 2.5d – Third Floor Quench Route



Riser carries 2 no. Quench Pipes to rooftop discharge point

Figure 2.5e – Fourth Floor Quench Route

The quench pipework route for rooms G-Q1-110 and G-Q1-092 exits the MRI rooms and runs across the ceiling voids separately to the staff courtyard rising up the courtyard before meeting at fourth floor level and continuing to rise to the roof top discharge point.

The change in direction at level four is to be confirmed as suitable by NHSL and the specialist turnkey manufacture. See Figure 2.5f - 2.5j for details.

The quench pipe specialist should advise of any concerns with proposed bends during their design of the pipe.

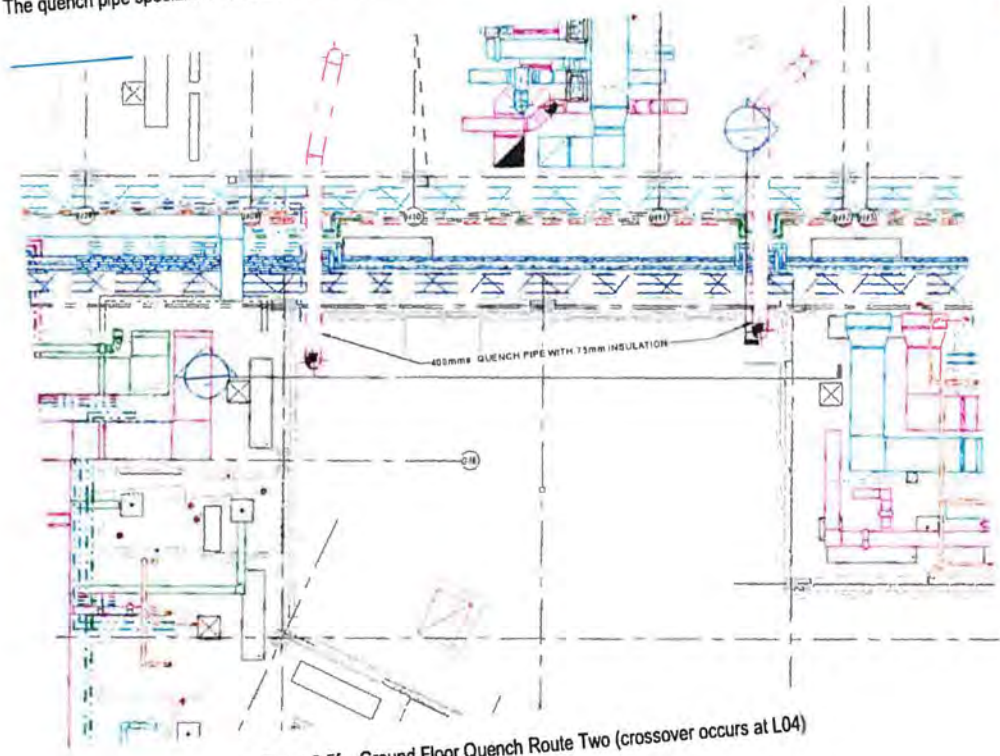


Figure 2.5f - Ground Floor Quench Route Two (crossover occurs at L04)

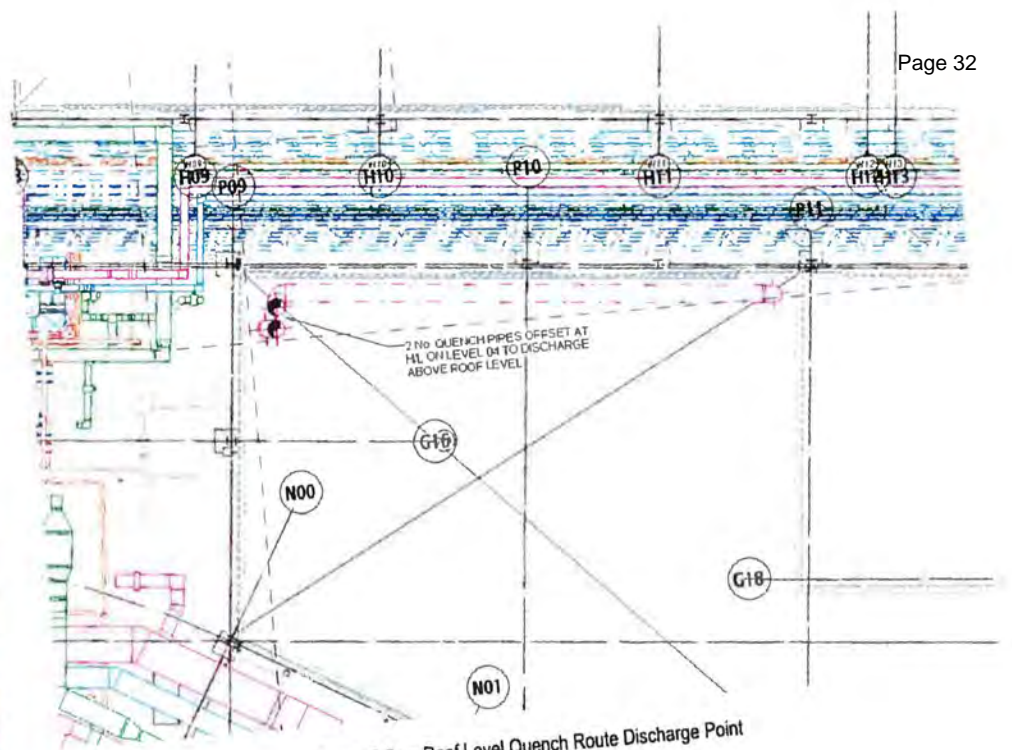


Figure 2.5g - Roof Level Quench Route Discharge Point

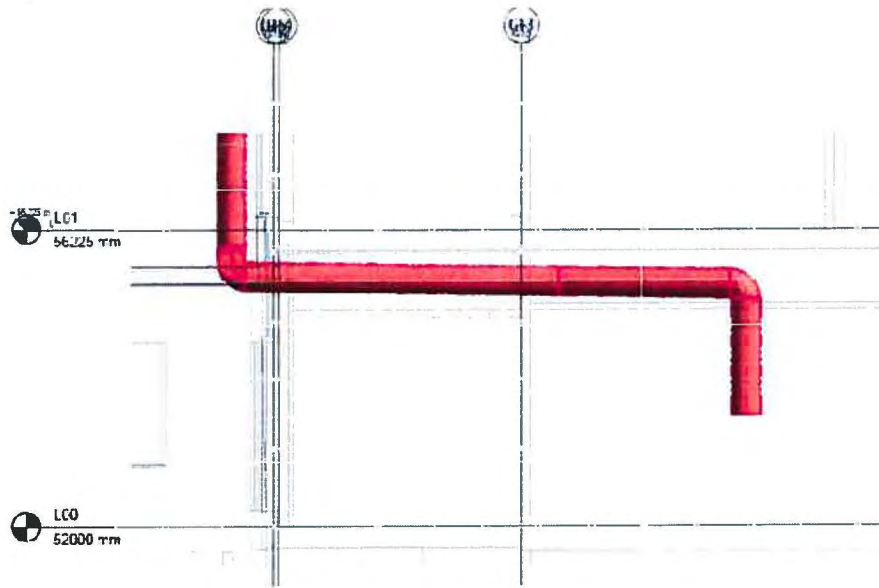


Figure 2.5h – Quench Pipe Section through Corridor Route to Courtyard

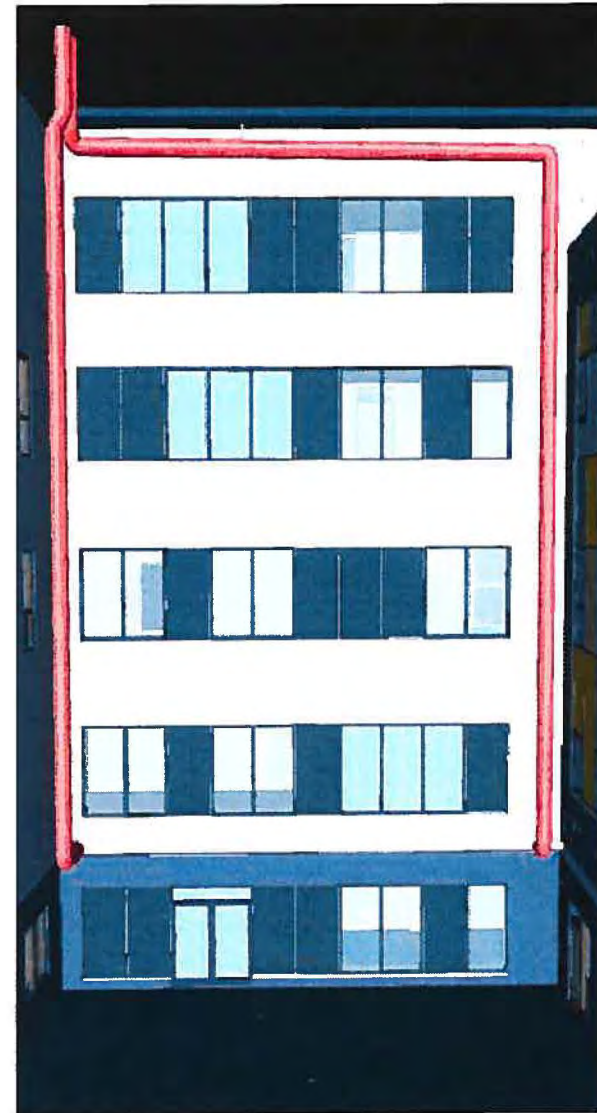


Figure 2.5i – Quench Pipe Elevation at Courtyard

3.0 First Floor MRI Room (Intra Operative)

3.1 Emergency Ventilation

Extract

Refer to the separate Intra-Operative MRI Room/ Theatre Ventilation Report.

Supply

Refer to the separate Intra-Operative MRI Room/ Theatre Ventilation Report.

CONFIRM/SUBMIT THIS REPORT.

3.2 Room Pressure Relief

Over pressure relief shall be provided via a ceiling mounted grille connecting the room to the ceiling void. This arrangement has been confirmed as suitable by NHSL installers.

3.3 Chiller Locations and Chilled Water Route

The second floor external plant walkway has been selected to locate the Intra Operative machine chiller unit due to its ease of access and proximity to the MRI room.

Space has been allocated for the Intra Operative MRI and two CT chiller units within this area. A representation of the location and setting out is shown in Figure 4.1a. This location is as agreed with NHSL.

This layout is indicative only at present as it still needs input from the installation contractor.

Whilst no information is currently known about the specification of the chillers, a chiller has been selected by IHSL based on discussion with NHSL that appears to suit the potential requirements of the MRI machines.

WORST CASE SCENARIO SHOULD BE MODELLED.

The data sheet for this chiller is attached in Appendix 1.



Figure 4.1a – Intraoperative MRI Chiller Layout

The chiller pipework has been sized indicatively at 65mm ID (76mmOD) plus 40mm insulation giving an overall diameter of 156mm. Guidance has been received from a potential MRI supplier which ties in with our estimation.

The space allocated within the pipework routes matches this size including maintenance access so no MRI manufacturer should be procure their chillers based on a larger size than this.

The chiller pipework from the L01 MRI rises to high level and passes through the Level 2 floor slab into the ventilation plant room. Once the pipework enters this plantroom it rises to high level and makes its way across the plantroom where it drops down to low level and passes through the external wall louvre and onward over the roof to the MRI Chiller.

Please refer to the Architects access strategy drawings for all accessibility information.

The chiller pipework has been routed around the air handling units within the plantroom but is still within the 100m maximum agreed with NHSL.

INCORRECT STATEMENT RE AGREEMENT WITH THE BOARD.

3.4 Quench Pipe Route

The quench pipework route for the Intra Operative rises to the ceiling void, runs across to the preparation room where it rises to the level 2 plantroom walkway where it discharges. See Figures 3.5a and 3.5b for details.

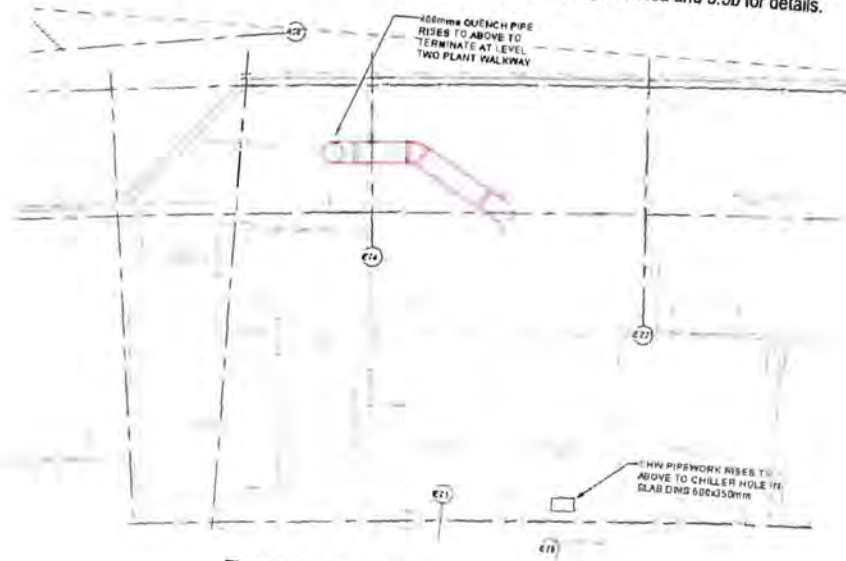


Figure 3.5a - Quench Pipe Route

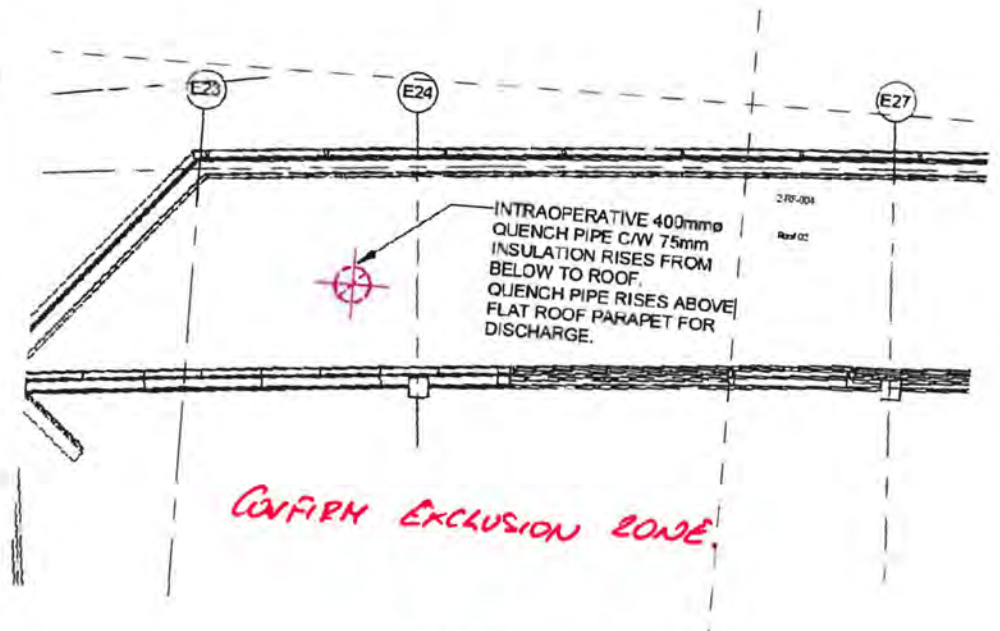


Figure 3.5b - Intraoperative Quench Pipe

4.0 CT Rooms

4.1 Chiller Locations and Chilled Pipework Route

The chiller pipework has been sized indicatively at 65mm ID (76mm OD) plus 40mm insulation giving an overall diameter of 156mm. Guidance has been received from a potential CT supplier which lies in with our estimation.

The space allocated within the pipework routes matches this size including maintenance access so no CT manufacturer should be procuring their chillers based on a larger size than this.

The chiller pipework routes from the CT rooms on the ground floor, across the ceiling void and exits into the building overhang before rising through the Level 01 slab into the riser (see Figure 4.2b). Pipework is then run within the Level 01 ceiling void and again rises through a builderswork slab opening onto the Level 01 roof where it connects to the chillers (see Figure 4.2a).

The longest pipe run taken from the CT to the furthest unit is 122m.

Figure 4.2a shows the location of the chillers on Level 01 roof.

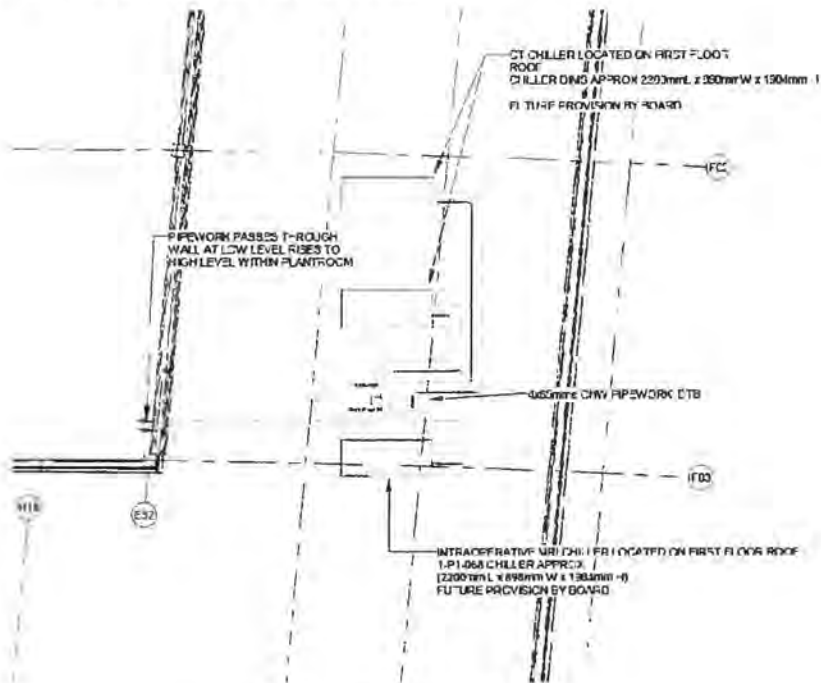


Figure 4.2a – CT Chillers on Level 01 Roof

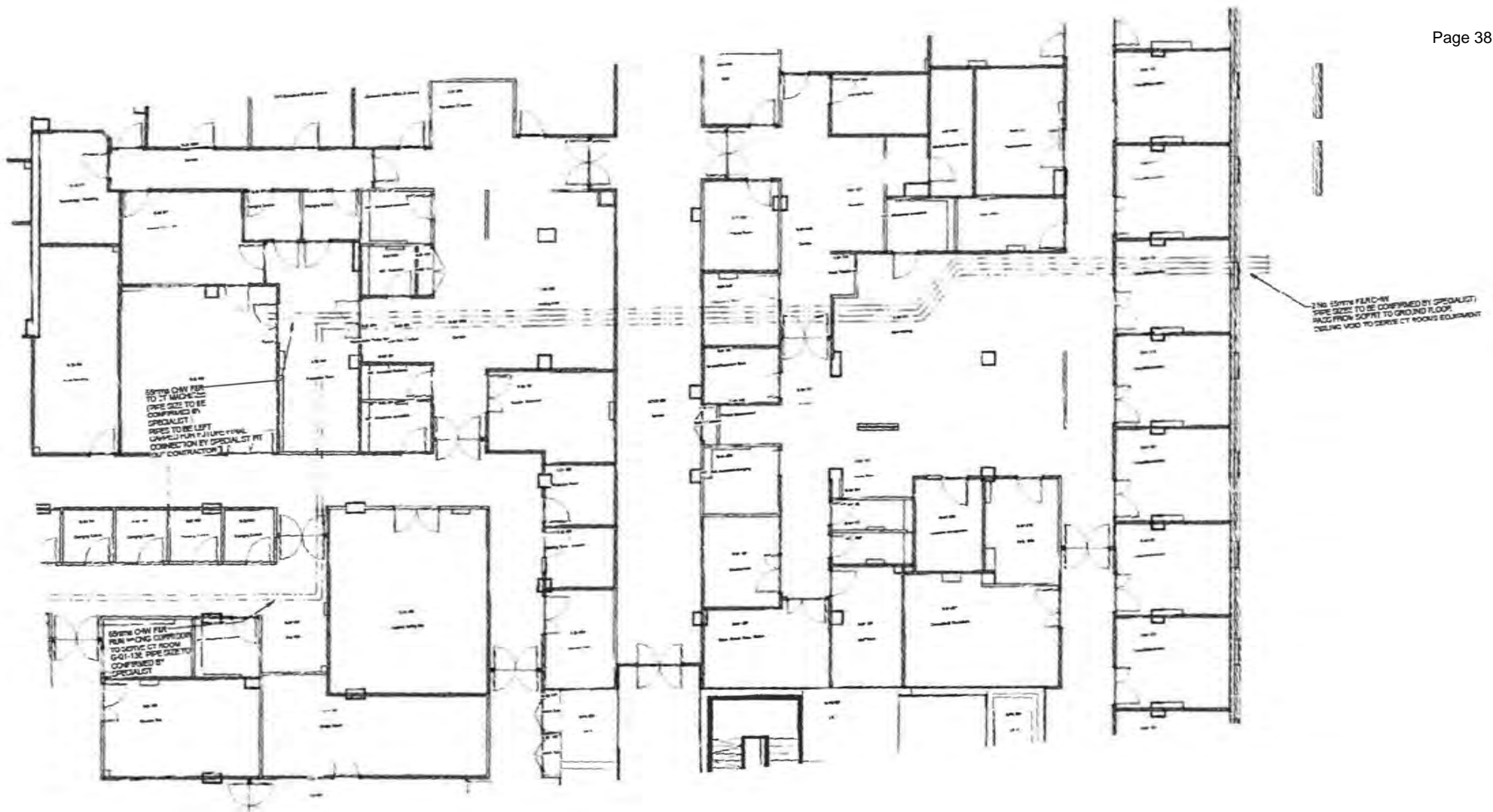


Figure 4.2b – Ground Floor CT Pipework Route

Appendix 1 Chiller Data Sheet

Model 090 used for comparison.

Hyperchill Industrial Process Chillers for Precision Cooling



Hyperchill compact and easy to install, Hyperchill provides an accurate control of water temperature. Each model is designed for a wide range of applications, from precision cooling to high flow applications. It is designed to meet the requirements of a wide range of applications with options. Each industrial Hyperchill is a completely factory programmed efficient operation unit available in all world regions.



Process cooling applications:

- Laser Technology
- Extruders
- Surface Processing
- Welding Engineering
- Blow Mould Machines
- Printing Systems
- Coating Systems
- Chemical and Pharmaceutical
- Plastics Processing
- Thermofom Machines
- Plasma Coating
- Medical Imaging
- Food & Beverage Industry
- Injection Moulding
- Cutting Machine Tools
- Electroplating Baths
- Bioenergy
- Compressed Air

Philosophy

Parker Hiross specialises in cooling, purification, and separation technologies where compressed air and gas purity, product quality, technological excellence and global support are paramount. We design and manufacture compressed air treatment products and cooling equipment for many key markets where ease of integration, low cost of ownership and energy saving are vital. Parker Hiross has been supplying industry with high efficiency products with low lifetime costs and reduced CO₂ emissions since 1984. Our philosophy is to stand out from the crowd in our markets, encouraging our employees to achieve continuous improvement and satisfy customer expectations.



Product Features:

Complete solution, easy to install and manage

- Hydraulic circuit: water tank, immersed evaporator, pump with bypass provide a compact and easy to install solution
- Electronic controllers with proprietary software provide access to all the parameters of the units and allow special management for any specific need
- Available with remote monitoring
- Completely configurable with many options and kits to fit many industrial applications needs
- Condenser filters
- Independent condensing plenum
- Full access and easy service design

High reliability and back-up eliminate downtime

- Large water tanks allow minimum compressor cycling and precise temperature control
- Double independent fridge circuits (from ICE076)
- 2 compressors from ICE076 and 4 compressors from ICE150 with automatic rotation
- Double stand-by water pumps available
- Maximum ambient temperature up to 45 °C

Lowest energy consumption in the market

- Oversized condensers and evaporators
- Use of compliant scroll compressors (from ICE022)

Water and refrigerant manometers permit full control of the working conditions.

Microprocessors: allow complete control of the unit parameters. Proprietary software from ICE015 onwards allows a wide range of programming and remote monitoring options

Compliant scroll compressors: (from ICE022 onwards) with less moving parts and compliant technology provide excellent efficiency, high reliability, and very low noise levels.

Air cooled with axial fans: suitable for outdoor installation, no need for protection

Versions:

- Air cooled with centrifugal fans (ICE 015-230): ideal for installation in enclosed environments. Can be ducted for air venting or heat recovery.
- Water cooled (ICE 015-230 alternative to the air cooled versions): Shell&tube condensers with pressostatic valves.
- Low ambient temperature (from ICE007 onwards): additional condensing control for continuous operation in cold ambients (negative temperature). Available for air cooled, axial fan units.
- Low water temperature (from ICE007 onwards): for negative water temperature control, down to -10 °C (Low ambient temperature option recommended).

Water pump (standard 3bar): different head-pressures available to meet the requirements of specific applications. Configurable as a twin-system for 100% back up.



Mesh filters: (from ICE010 onward) condenser protection from dirt and contamination, reduces maintenance costs and the risk of downtime.

Evaporator: located inside the water tank - reduces the overall dimensions, increases the efficiency and improves temperature control.

Water by-pass: protects the pump and supplies constant flow to the evaporator avoiding alarms and freezing.

Water tank: generously dimensioned to guarantee high reliability and improved temperature control.



Options:

- Water fill kits: pressurized, automatic or ambient manual kits, for water filling in any installation.
- Remote control kits: base version for remote ON/OFF and general alarm monitoring.
- Advanced version for complete remote unit management.
- Wheels (ICE005 - ICE010): for ease of transport.
- Water filters for circuit cleanliness and machinery protection.



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Wallace Whittle

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Add value.**

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Email: aberdeen-admin@tuv-sud.co.uk

Belfast Office
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Email: belfast-admin@tuv-sud.co.uk

Ireland Office
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UAE Office
Office 407, Ibn Battuta Gate
PO Box 2834
Telephone +97 (0)4 374 6625
Email: max.bailes@wallacewhittle.com





Notes
Check all dimensions on site. Do not scale from this drawing. Report any discrepancies and omissions to drawing originator. This Drawing is Copyright ©

Designer Identification of Hazard Risk

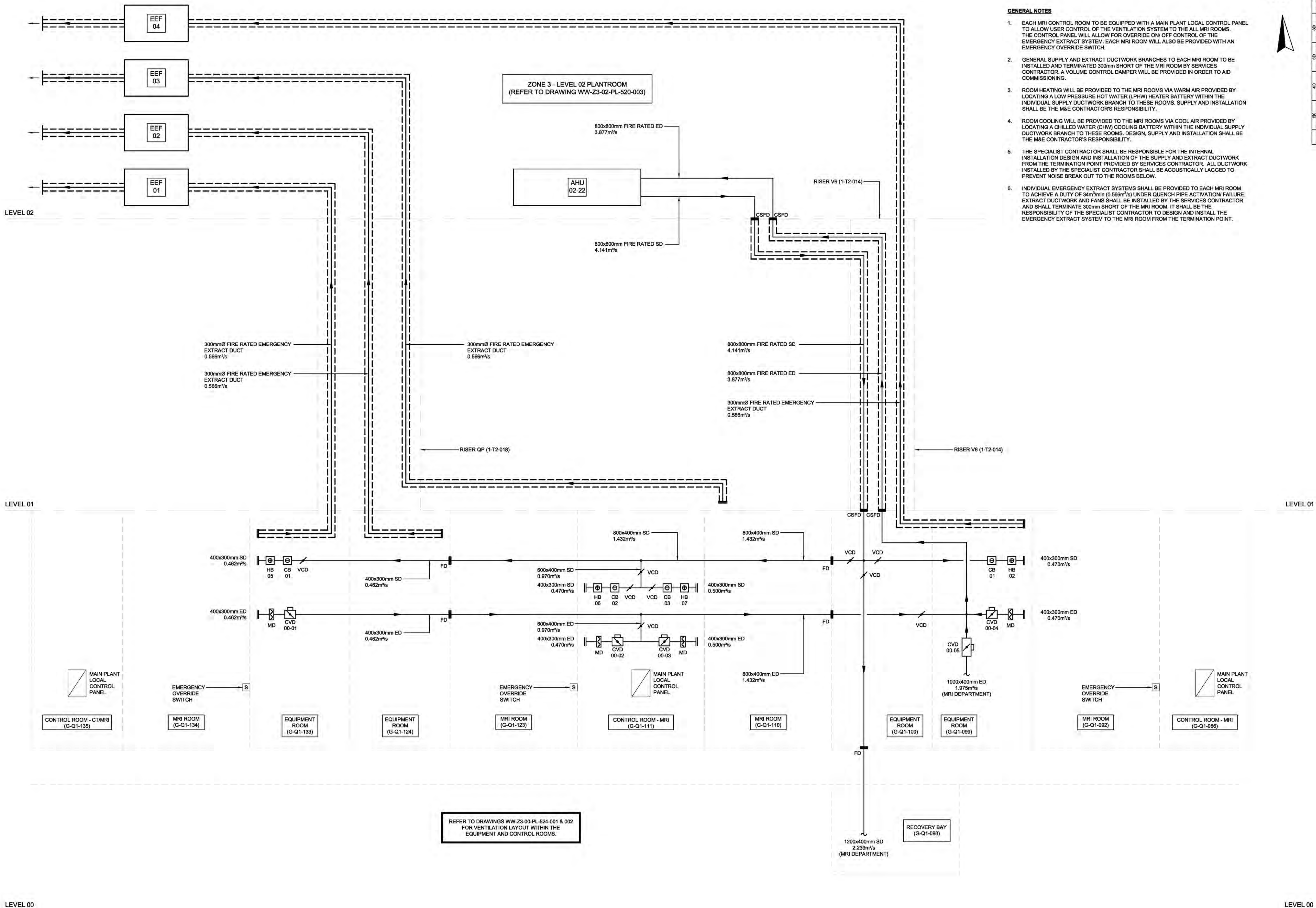
- ⊗ Indicates a Residual Risk requiring a Compulsory Action
- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning

GENERAL NOTES

- EACH MRI CONTROL ROOM TO BE EQUIPPED WITH A MAIN PLANT LOCAL CONTROL PANEL TO ALLOW USER CONTROL OF THE VENTILATION SYSTEM TO THE ALL MRI ROOMS. THE CONTROL PANEL WILL ALLOW FOR OVERRIDE ON/OFF CONTROL OF THE EMERGENCY EXTRACT SYSTEM. EACH MRI ROOM WILL ALSO BE PROVIDED WITH AN EMERGENCY OVERRIDE SWITCH.
- GENERAL SUPPLY AND EXTRACT DUCTWORK BRANCHES TO EACH MRI ROOM TO BE INSTALLED AND TERMINATED 300mm SHORT OF THE MRI ROOM BY SERVICES CONTRACTOR. A VOLUME CONTROL DAMPER WILL BE PROVIDED IN ORDER TO AID COMMISSIONING.
- ROOM HEATING WILL BE PROVIDED TO THE MRI ROOMS VIA WARM AIR PROVIDED BY LOCATING A LOW PRESSURE HOT WATER (LPHW) HEATER BATTERY WITHIN THE INDIVIDUAL SUPPLY DUCTWORK BRANCH TO THESE ROOMS. SUPPLY AND INSTALLATION SHALL BE THE M&E CONTRACTOR'S RESPONSIBILITY.
- ROOM COOLING WILL BE PROVIDED TO THE MRI ROOMS VIA COOL AIR PROVIDED BY LOCATING A CHILLED WATER (CHW) COOLING BATTERY WITHIN THE INDIVIDUAL SUPPLY DUCTWORK BRANCH TO THESE ROOMS. DESIGN, SUPPLY AND INSTALLATION SHALL BE THE M&E CONTRACTOR'S RESPONSIBILITY.
- THE SPECIALIST CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERNAL INSTALLATION DESIGN AND INSTALLATION OF THE SUPPLY AND EXTRACT DUCTWORK FROM THE TERMINATION POINT PROVIDED BY SERVICES CONTRACTOR. ALL DUCTWORK INSTALLED BY THE SPECIALIST CONTRACTOR SHALL BE ACOUSTICALLY LAGGED TO PREVENT NOISE BREAK OUT TO THE ROOMS BELOW.
- INDIVIDUAL EMERGENCY EXTRACT SYSTEMS SHALL BE PROVIDED TO EACH MRI ROOM TO ACHIEVE A DUTY OF 34m³/min (0.566m³/s) UNDER QUENCH PIPE ACTIVATION/FAILURE. EXTRACT DUCTWORK AND FANS SHALL BE INSTALLED BY THE SERVICES CONTRACTOR AND SHALL TERMINATE 300mm SHORT OF THE MRI ROOM. IT SHALL BE THE RESPONSIBILITY OF THE SPECIALIST CONTRACTOR TO DESIGN AND INSTALL THE EMERGENCY EXTRACT SYSTEM TO THE MRI ROOM FROM THE TERMINATION POINT.

LEGEND

- SUPPLY DUCT
- - - EXTRACT DUCT
- - - EMERGENCY EXTRACT DUCT
- - - FIRE RATED DUCT
- SD - SUPPLY DUCT
- ED - EXTRACT DUCT
- DE - DIRTY EXTRACT DUCT
- AHU - AIR HANDLING UNIT
- EEF - EMERGENCY EXTRACT FAN
- FD - FIRE DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- VCD - VOLUME CONTROL DAMPER
- HB - HEATER BATTERY
- CB - COOLING BATTERY
- MD - MOTORISED DAMPER
- CVD - CONSTANT VOLUME DAMPER
- m³/min - METRES CUBED PER MINUTE
- m³/s - METRES CUBED PER SECOND



1	03/02/2017	ISSUED FOR INFORMATION	JS	BR
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Revisions
Project

Re-provision of RHSC and DCN at Little France

Client

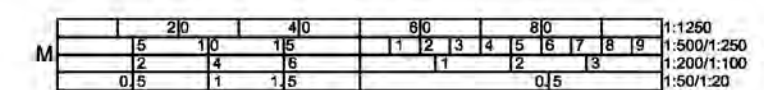


MAGNETIC RESONANCE IMAGING VENTILATION SCHEMATIC AHU 02-22

Drawing No.	Revision
WW-SZ-SL-SC-524-008	1

Scale @ A1 Date
NTS @ A1 OCTOBER 2016

INFORMATION

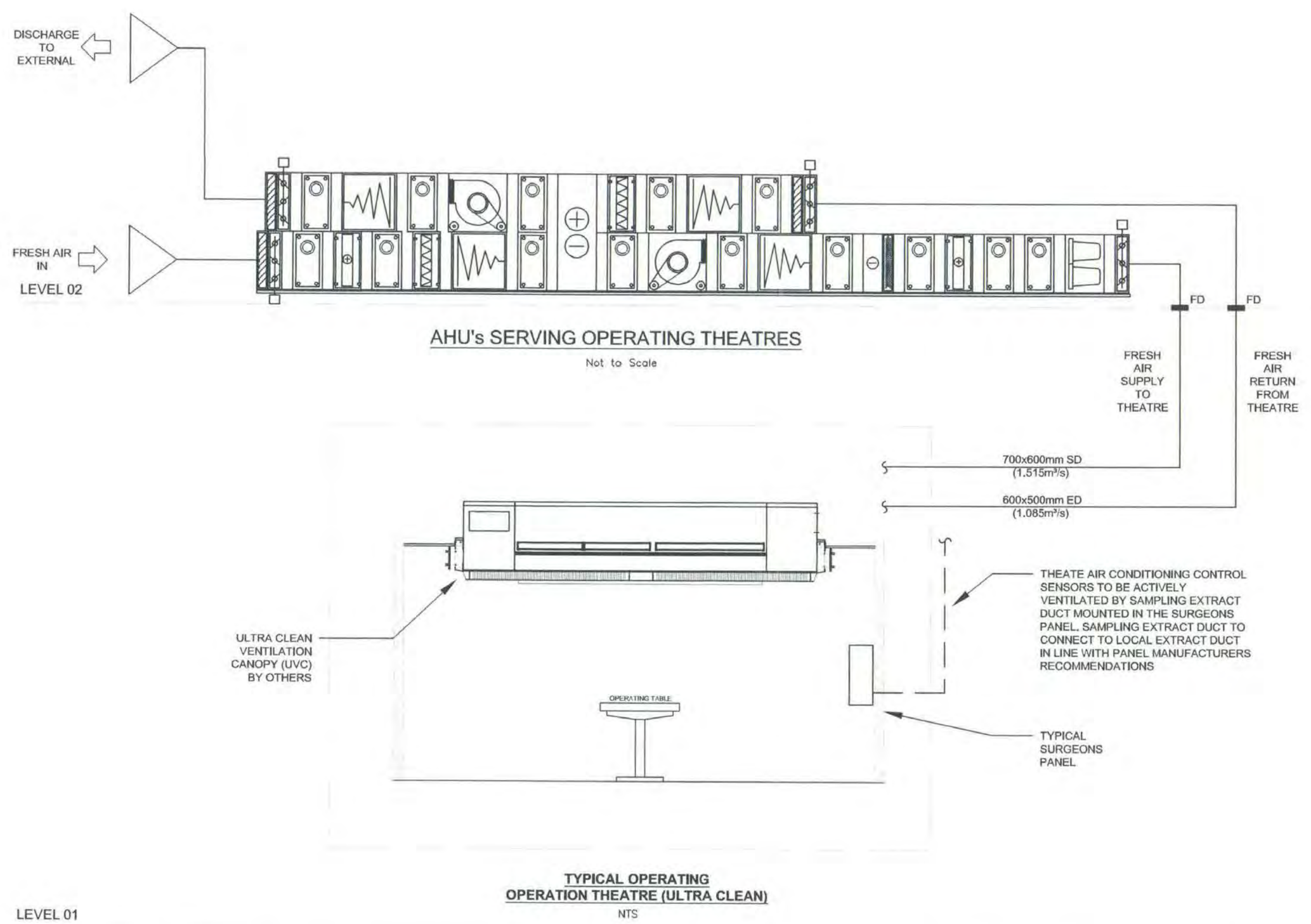


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Designer Identification of Hazard Risk

- Indicates a Residual Risk requiring a Compulsory Action
- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning

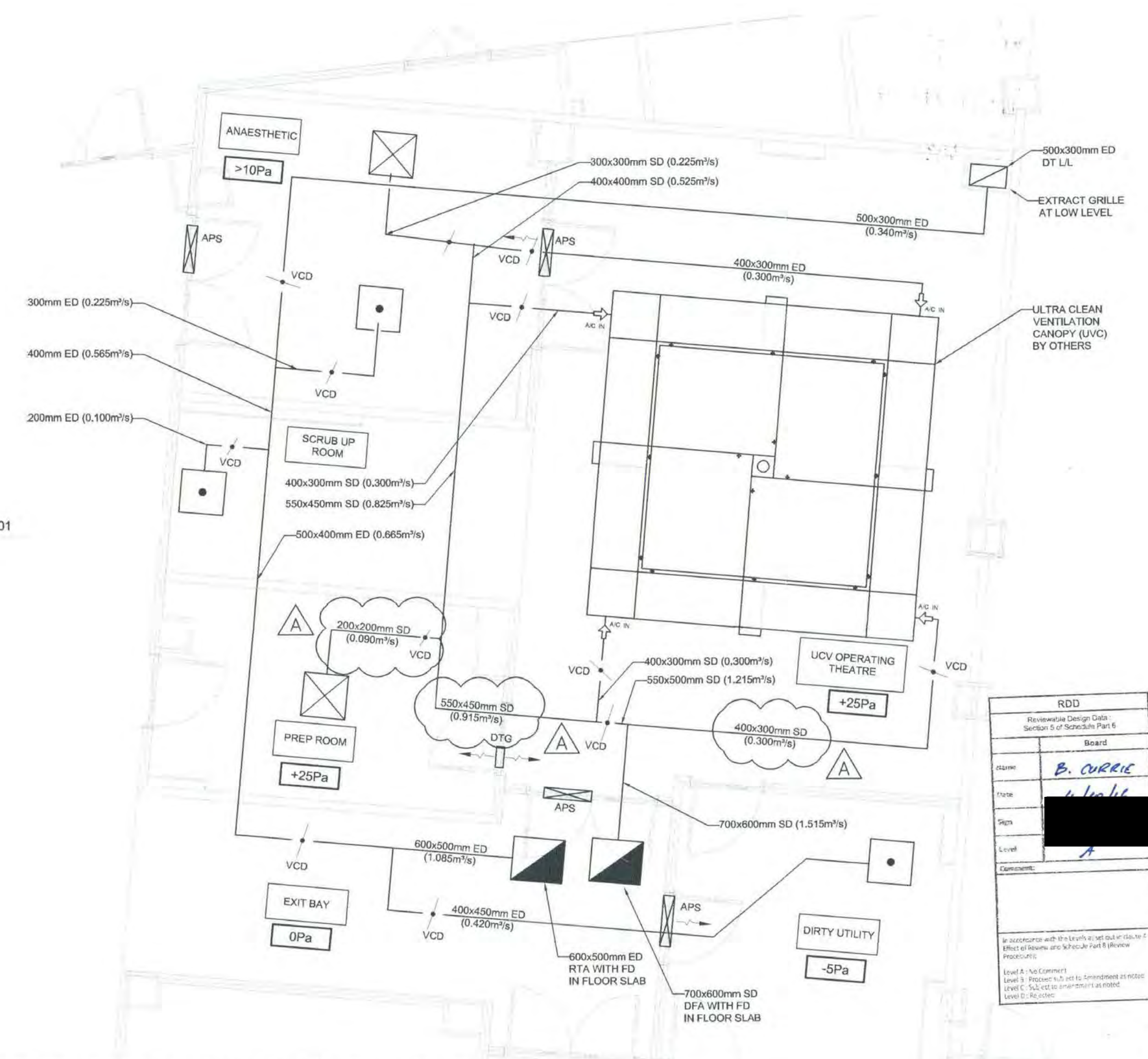
- LEGEND**
- SD - SUPPLY DUCT
 - ED - EXTRACT DUCT
 - DE - DIRTY EXTRACT DUCT
 - AHU - AIR HANDLING UNIT
 - DEF - DIRTY EXTRACT FAN
 - FD - FIRE DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - VCD - VOLUME CONTROL DAMPER
 - ☒ - SUPPLY GRILLE
 - ☐ - EXTRACT GRILLE
 - ⌵ - VOLUME CONTROL DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - APS - AIR PRESSURE STABILISER



LEVEL 02

LEVEL 01

LEVEL 01



Rev	Date	Description	By	App'd
A	02/09/2016	ISSUED FOR T3 CONSTRUCTION	JSI/ AW	BR/ SJ
1	13/05/2016	ISSUED FOR INFORMATION	LM/ DM	BR/ AW

Re-provision of RHSC and DCN at Little France

Client

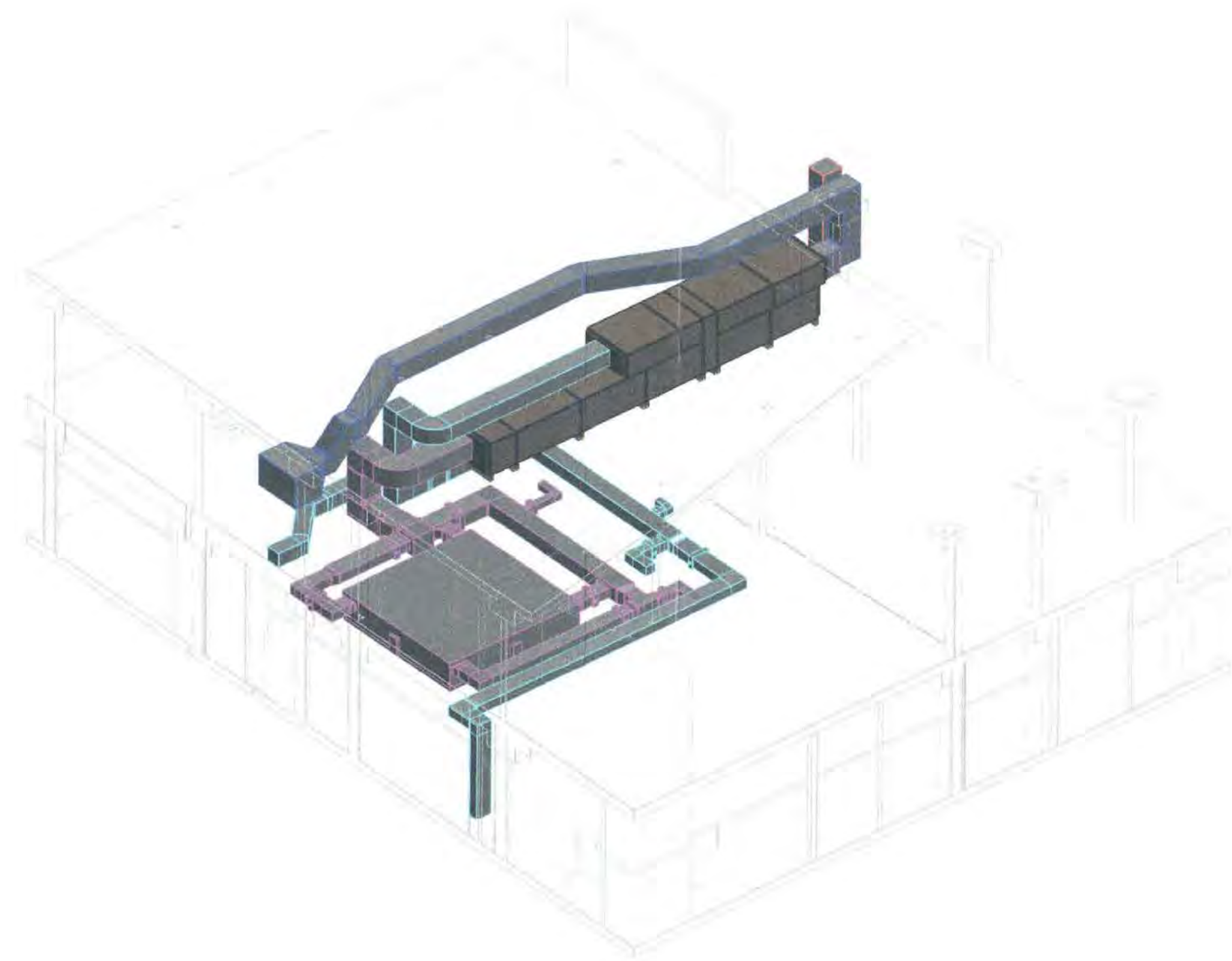


TYPICAL OPERATING THEATRE VENTILATION SCHEMATIC

Drawing No. **WW-SZ-SL-SC-524-007** Revision **A**

Scale @ A1 Date **MAY 2016**

INFORMATION



TYPICAL THEATRE 3D VIEW
NTS

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	SHTM 03-01 SHOWS APS. (SCRUB UP ROOM)	ALL OPERATING THEATRES HAVE BEEN DESIGNED WITH AN EXTRACT GRILLE AT HIGH LEVEL WITHIN THE SCRUB UP ROOM. THERE ARE SOME INSTANCES WHERE THE SCRUB UP ROOM IS NOT ADJACENT TO THE CORRIDOR AND THEREFORE AN AIR PRESSURE STABILISER CANNOT BE FITTED. TO MAINTAIN A COMMON DESIGN PHILOSOPHY, EXTRACT GRILLES HAVE BEEN PROVIDED TO ALL SCRUB UP ROOMS IN LIEU OF AIR PRESSURE STABILISERS IN ACCORDANCE WITH SHTM 03-01 SECTION A4.29.
2.	SHTM 03-01 SHOWS AIR TRANSFER GRILLE. (ANAESTHETIC ROOM)	THE PRESSURE STABILISERS GIVE YOU BETTER VOLUME AND PRESSURE CONTROL WHEN COMMISSIONING. ALSO WHEN YOU OPEN THE DOUBLE DOORS FROM THEATRE TO CORRIDOR WITH A PRESSURE STABILISER BETWEEN THE THEATRE AND ANAESTHETIC YOU KNOW IT CLOSES AND ALL THE AVAILABLE AIR WILL FLOW DIRECTLY THROUGH THE OPEN DOOR INSTANTLY PROVIDING GOOD DOOR FLOW PROTECTION. WHERE AS WITH A TRANSFER GRILLE YOU CAN LOSE SOME AIR THROUGH IT RATHER THAN GOING THROUGH THE OPEN DOOR.
3.	NO DIRTY UTILITY SHOWN.	DIRTY UTILITY SHOWN.

* COMMENTS BASED ON WW-SZ-SL-SC-524-007 Rev 1 - STATUS C.

TYPICAL THEATRE PLAN VIEW
NTS



RDD	
Name: B. CLARKE	
Date: 02/18/16	
Sheet: 15	
Comments:	

Notes

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Design Identification of Hazard Risk

- Indicates a Residual Risk requiring a Compulsory Action
- Indicates a Residual Risk for Information
- Indicates a Residual Risk requiring a Prohibitive Action
- Indicates a Residual Risk as a Warning

LEGEND

- BS - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- FD - FIRE DAMPER
- MD - MOTORISED DAMPER
- CSFD - COMBINED SHAKE & FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- KED - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- DFB - DROP FROM BELOW
- DTLB - DROP TO LOW LEVEL
- DTLH - DROP TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RFA - RISE TO ABOVE
- CSB - COMBINED SHAKE & FIRE DAMPER
- CSA - CROSS FAN ATTENUATOR
- HB - HEATER BATTERY
- CB - COOLING BATTERY
- FC - FIRE COLLAR

- NOTES
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW12.
 - COMBINED SHAKE & FIRE DAMPERS TO BE LOCATED IN THE WALL OR THROUGH LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SHAKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED DOWN WITH FLOOR FINISH WITH BITE.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BE ON RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & CONNECTIONS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING ACCOUNT OF THE REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTIONS.
 - ALL DUCT WORKS SHALL BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH HTM 03-01 SHFM 03.01.
 - ANESTHETIC GAS SCOURING PUMP WILL REQUIRE A 15mm PLASTIC PIPE TO BE FITTED TO THE WALL FOR EXHAUST AS FROM THIS PUMP THE PIPE SHOULD BE APPROX 30mm DIA. AND TAPER TO ATMOSPHERE PER THE CURRENT FIRE STRATEGY WITH AN INLET OF 15mm & 15mm WATER PIPE IS SUITABLE FOR THIS.
 - FUME CLIPBOARD DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED GALVANIZED STEEL IN ACCORDANCE WITH DW14.
 - ALL FUME CLIPBOARDS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED IN ACCORDANCE WITH BS 5811.
 - FUME CLIPBOARD DUCTWORK SHALL BE 300mm ABOVE HEIGHT OF 300mm AFFL. WHERE IT WILL BE CONNECTED TO THE EQUIPMENT SUPPLIER. THE PROVISION SHALL BE NOTED IN THE CURRENT FIRE STRATEGY. SWIFT BENDS ARE ACCEPTABLE. PIPING TO BE TAKEN TO POSITIONS SHOWN ON THE EXTERNAL WALL. WHERE IT SHALL BE TURNED DOWN & FITTED WITH INSET MESH.

1. PLEASE REFER TO DRAWING
2. CONFIRM ALL FD AND CSFD COMPLY WITH SHFM 01. E.G. ARE OPERATED BY SMOKE DETECTION AND ARE REMOTELY RESETTABLE.

1. PLEASE CONFIRM IF BEING PROVIDED

15mm EXHAUST AIR PIPE FROM ANESTHETIC GAS SCOURING PUMP RT CIS FROM LL. REFER TO NOTE 12.

15mm PLASTIC PIPEWORK FROM SUCTION CLIPBOARD RT CIS FROM LL. REFER TO NOTE 12.

CSFD'S TO BE PROVIDED AT LEVEL OF SLAB FOR SD, EG AND DE DUCTS DROPPING FROM ABOVE. REFER TO DRAWING NO. WW-Z3-00-PL-524-002 FOR CONTINUATION OF SERVICES & RISER DETAILS.

15mm EXHAUST AIR PIPE DISCHARGE TO ATMOSPHERE. REFER TO NOTE 12. 15mm SUCTION PIPE DISCHARGERS TO ATMOSPHERE. REFER TO NOTE 12.

FOR CONTINUATION REFER TO ZONE Z3 SHEET 2 OF 2 DRAWING NO. WW-Z3-00-PL-524-002

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 DRAWING NO. WW-Z3-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z4 SHEET 1 OF 2 DRAWING NO. WW-Z4-00-PL-524-001

1	2016	LVC DRG - SUCTION PIPEWORK ADDED TO DENTAL SURGERIES	AW	JS
2	2016	DENTAL SURGERIES	SU	BR
H	1008	DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWING	AW	CM
3	2016	CSFD'S, FD'S AND FC'S ADDED	SU	BR
G	2716	DENTAL AREA REVISED TO SUIT LVC DRG WITHIN ROOM	DAW	LM
4	2016	AGS EXHAUST AIR PIPE RELOCATED	AW	BR
F	3004	FUME CLIPBOARD ED RE-ROUTED TO RISER EX. AT FRESH AIR MAKE UP SYSTEM REMOVED. NOTES UPDATED.	AW	JS
E	2201	ISSUED AT REVISION	AW	JS
D	1810	ISSUED FOR BUILDING WARRANT	DAW	JS
C	2016	ISSUED AT REVISION	SU	BR
B	2016	ISSUED AT REVISION	SU	BR
A	3007	ISSUED AT REVISION A	DAW	JS
1	2015	ISSUED AT REVISION	DAW	JS
1	2015	T1 RFD ISSUE	DAW	JS
1	2015	T1 RFD ISSUE	DAW	JS

Re-provision of RHSC and DCN at Little France



Title: ZONE Z2 - LEVEL 00 VENTILATION DISTRIBUTION

Drawing No: WW-Z2-00-PL-524-001

Scale: As indicated Date: APRIL, 2015

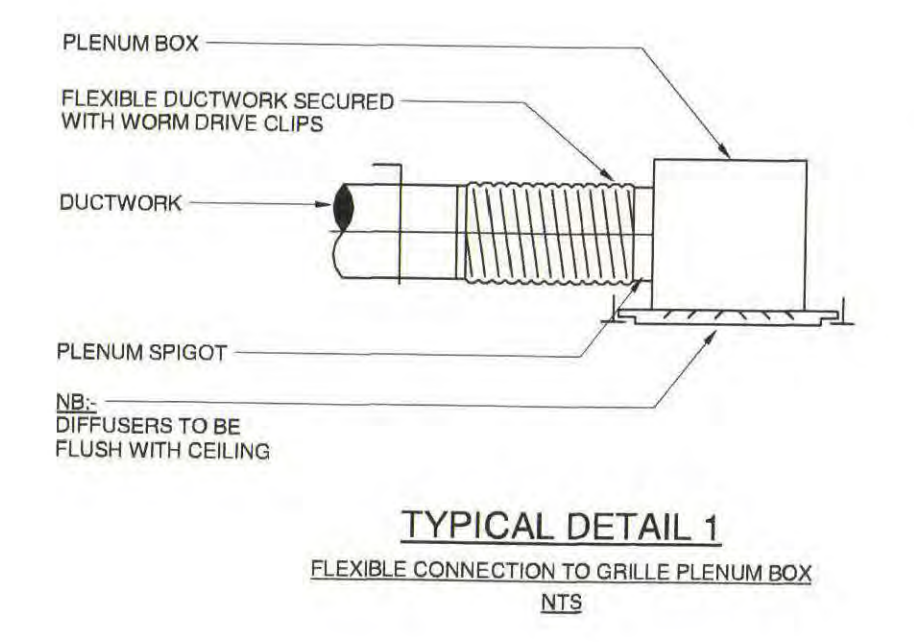
Status: CONSTRUCTION



1:1000

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	HOW WILL THE AIR BE MADE UP IN THE ROOMS WITH EXTRACT ONLY. UNDERCUT DOORS OR TRANSFER GRILLES.	UNDERCUT TO DOORS
2.	AS DUCTING DOES NOT FOLLOW THE PATH OF CORRIDORS MANY FIRE (SMOKE DAMPERS, VCD'S ETC) APPEAR IN OCCUPIED SPACES. THIS COULD CAUSE ISSUES FOR ACCESS TO MAINTAIN THE SYSTEM.	DUCTWORK ROUTES SHOWN HAVE PREVIOUSLY BEEN RAISED AS A DISAGGREGATION AND SUBMITTED TO THE BOARD FOR APPROVAL.
3.	THE BOARD ACKNOWLEDGES THE DRAWING IS STILL TO BE UPDATED TO INCORPORATE ALL COMMENTS RECORDED ON ZONE 2 LEVEL 1 DRAWINGS THAT ARE APPLICABLE TO THIS LEVEL.	NOTED. COMMENTS FOR ZONE 2 LEVEL 01 INCORPORATED.
4.	NOTED ATTENUATORS HAVE BEEN ADDED TO THIS DRAWING AND SHOULD BE APPLIED AS NECESSARY TO ALL FLOORS.	NOTED.





- Notes**
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 - Indicates a Hazard Risk as a Warning

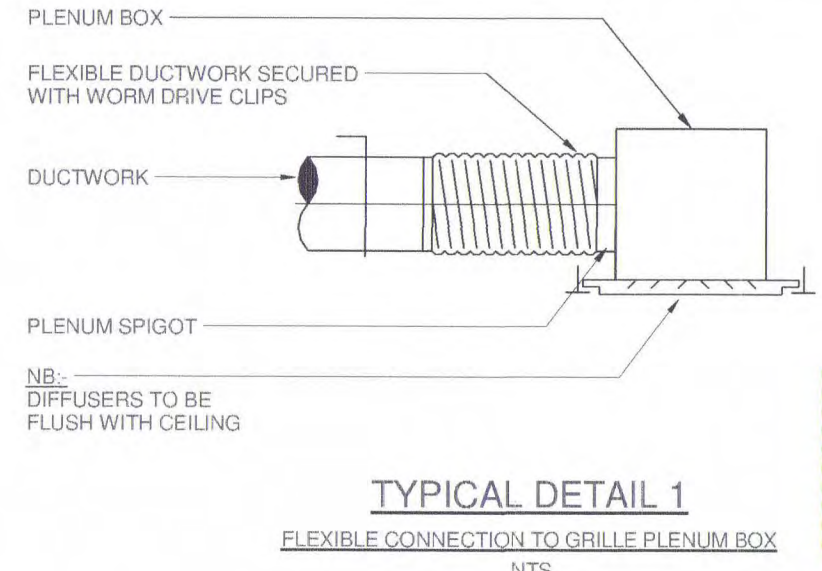
- LEGEND**
- SD - SUPPLY GRILLE
 - ES - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - FD - FIRE DAMPER
 - MO - MOTORIZED DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT DUCT
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
 - DFA - DRAFT FROM ABOVE
 - DFA - DRAFT TO BELOW
 - DFA - DRAFT TO LOW LEVEL
 - DFA - RISE TO HIGH LEVEL
 - DFA - RISE FROM BELOW
 - DFA - RISE TO ABOVE
 - OS - OFFSET (UP OR DOWN)
 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - WB - HEATER BATTERY
 - CO - COOLING BATTERY
- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DAT44.
 - KITCHEN EXTRACT WORK INSTALLATION TO COMPLY WITH DAT44.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED IN ROOMS ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVELS STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPRIG.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OF PAUL COLOUR APPROVED.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORK & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE REGULATED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE BUILDING REGULATIONS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE PROVIDED WITH AN OVERHEAT PROTECTANT.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH BS 01-01/01-02.
 - FUME CUPBOARD DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNFIBRE GLASS FIBRE REINFORCED PLASTIC (FRP) COMPLYING WITH BS EN 12068.
 - ALL FUME CUPBOARDS TO BE SUPPLIED BY OTHERS.
 - ALL FIRE STOPPING TO BE SUPPLIED BY OTHERS. FIRE STOPPING SHALL BE MANUFACTURED FROM UNFIBRE GLASS FIBRE REINFORCED PLASTIC (FRP) COMPLYING WITH BS EN 12068.
 - FUME CUPBOARD DISCHARGE TO EXHAUST SHALL BE PROVIDED ABOVE FLOOR LEVEL IN ACCORDANCE WITH BS EN 12068.
 - ALL MAINS DUCTWORK RUNNING ABOVE THE AUDIOLOGY DEPARTMENT ROOMS TO BE ACoustICALLY TREATED WITH SUITABLE INSULATION.

LEVEL 01 PLAN
1:100

FOR CONTINUATION REFER TO ZONE Z3 SHEET 2 OF 2 SEE DRAWING NO. WW-Z3-01-PL-524-002

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-Z3-01-PL-524-002

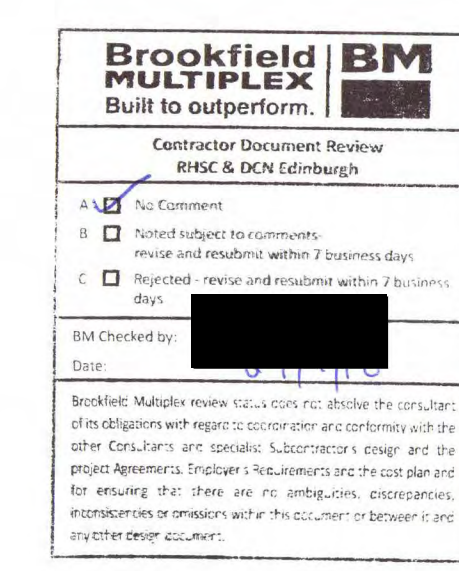
FOR CONTINUATION REFER TO ZONE Z4 SHEET 1 OF 2 SEE DRAWING NO. WW-Z4-01-PL-524-001



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	COLOUR AS DRAWING	NOTED. REFER TO UPDATED LEGEND.
2.	CONFIRM MAXIMUM LENGTH OF FLEXIBLE CONNECTION	FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH HTM 03-01/01-02/03-01.
3.	ONLY DEG'S ARE NUMBERED	ALL GRILLES REFERENCED. REFER TO LAYOUT.
4.	CONTINUATION OF DRAWING NUMBERS	DRAWING NUMBERS ADDED.
5.	THE BOARD NOTE THAT THERE ARE SUPPLY AND EXTRACT VENTILATION DUCTS RUNNING ABOVE THE CEILING THROUGH THIS DEPARTMENT AS DISCUSSED WITH PROJECT CO AT THE MEETING WITH AUDIOLOGY TEAM ON 13/04/21. WORK HAS BEEN DONE TO THE DUCTS IN AN ATTEMPT TO MITIGATE THE EFFECT OF ANY INTENSIVE SOUND AND THE EFFECTIVENESS OF THESE MEASURES WILL BE TESTED AT A LATER DATE ONCE THE TESTING AND ABR ROOMS ARE COMPLETE.	NOTED.
6.	AUDIOLOGY TO BE UPDATED TO INCLUDE SPECIALIST FIT OUT AND NOTE ON ACOUSTIC TREATMENT OF DUCTS INSTALLED ABOVE TEST ROOMS.	AUDIOLOGY ROOMS REFER TO THE SPECIFIC ROOM NOTES ON THE DRAWING REGARDING SPECIALIST FIT OUT. REFER TO NOTE 17 ON DRAWING FOR ACOUSTIC TREATMENT OF DUCTWORK ABOVE TEST ROOMS.

* COMMENTS BASED ON WW-Z3-01-PL-524-001 REV H - STATUS B.



RDD

Name: [REDACTED]

Date: 26/3/21

Site: [REDACTED]

Client: [REDACTED]

Project: [REDACTED]



Re-provision of RHSC and DCN at Little France



Title: ZONE Z2 - LEVEL 01 VENTILATION DISTRIBUTION

Drawing No: WW-Z2-01-PL-524-001

Scale: @ A0

Date: MAR. 2015

Status: CONSTRUCTION



Notes
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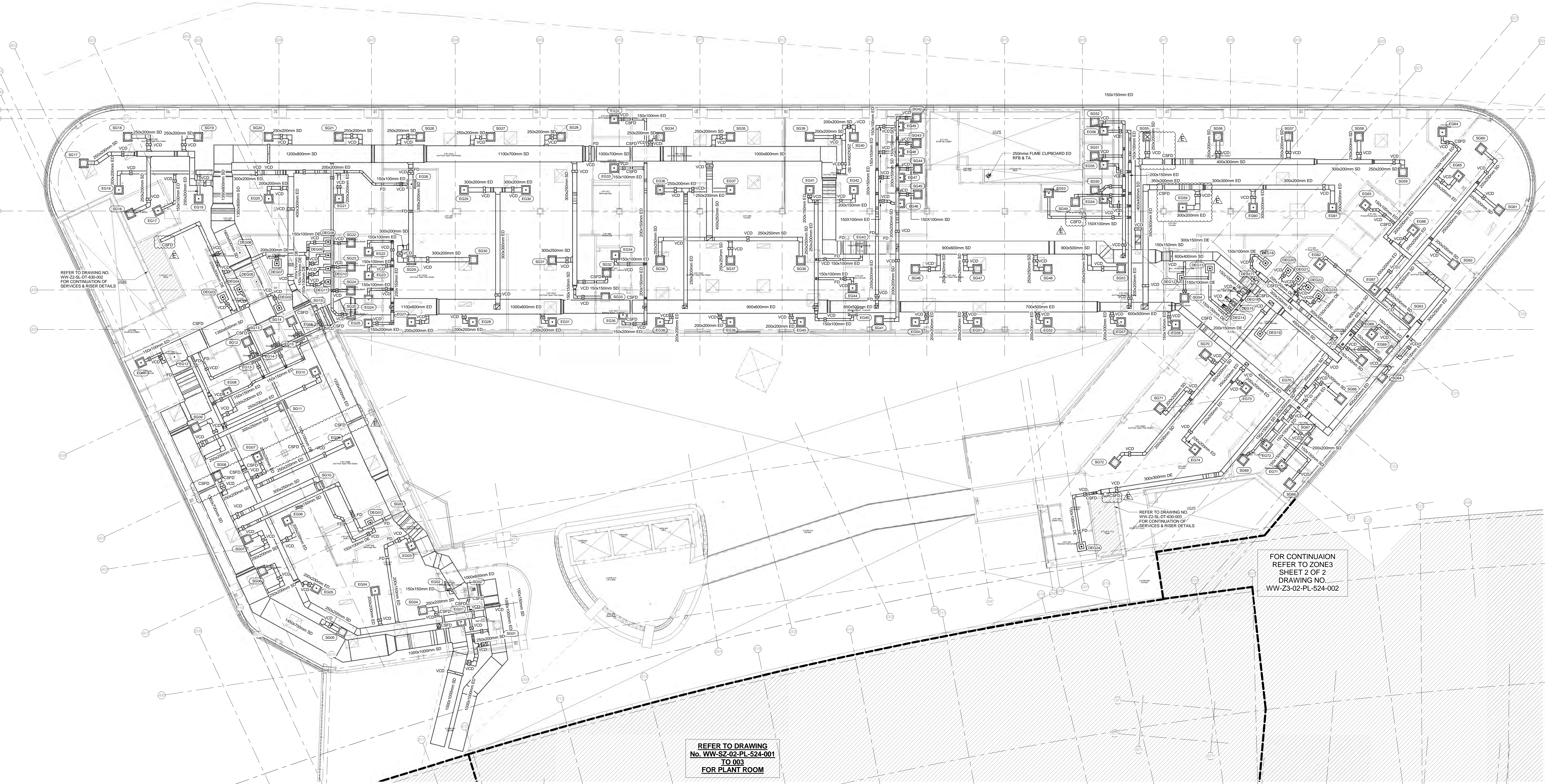
Designer Identification of Hazard Risk

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LEGEND

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- FD - FIRE DAMPER
- MD - MOTORIZED DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- VED - VENTILATION EXTRACT DUCT
- FA - FRESH AIR INTAKE
- EX - EXHAUST
- DBA - DROP FROM ABOVE
- DTA - DROP TO ABOVE
- DLA - DROP TO LOW LEVEL
- RTHL - RISE TO HIGH LEVEL
- RFL - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET UP OR DOWN
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HEB - HEATER BATTERY
- COB - COOLING BATTERY
- FC - FIRE COLLAR

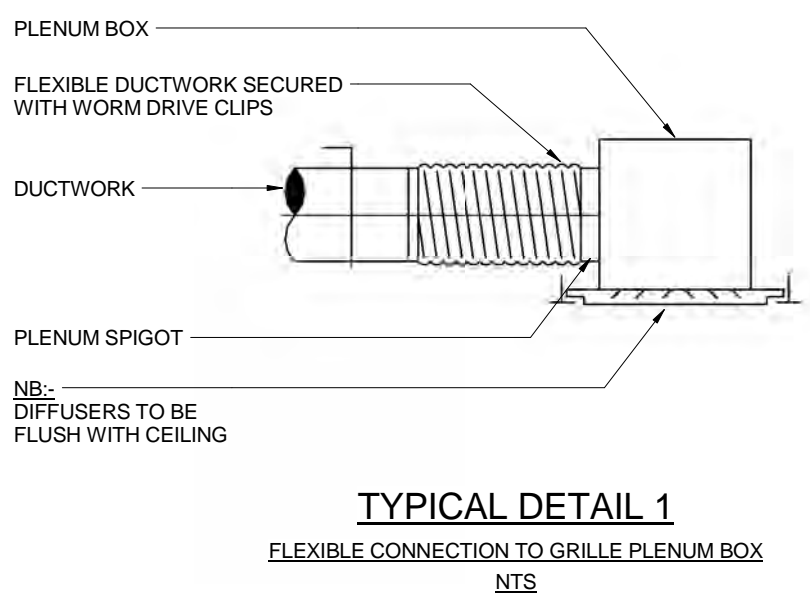
- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH D1414.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH D1414.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED IN THE EXTRACT DUCT PENETRATIONS PASSING THROUGH FLOOR LEVEL. STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED CORNERED WITH PLENUM BOX WITH SIDE ENTRY SPROUT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BE OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN CHECKED AND WILL BE RECHECKED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTIONS OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH WITH D1414 (PART 8.4.1).
 - FUME CLIPBOARD DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYVINYL CHLORIDE (PVC) COMPLYING WITH HCA DOCUMENT D1414.
 - ALL FUME CLIPBOARDS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT CELLERS AS REQUIRED, THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECT'S CURRENT FIRE STRATEGY.
 - FUME CLIPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 200mm ABOVE ROOF LEVEL IN ACCORDANCE WITH EN 14175.



FOR CONTINUATION
 REFER TO ZONE 24
 SHEET 1 OF 2
 DRAWING NO.
 WW-Z4-02-PL-524-001

REFER TO DRAWING
 No. WW-Z3-02-PL-524-001
 TO 003
 FOR PLANT ROOM

FOR CONTINUATION
 REFER TO ZONE 3
 SHEET 2 OF 2
 DRAWING NO.
 WW-Z3-02-PL-524-002



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	CONFIRM PROVISION OF MAKE UP AIR TO ROOMS WITH DIRTY EXTRACT.	UNDERCUT TO DOORS.
2.	ROOM NAMES TO BE ADDED.	NOTED.
3.	ALL FIRE DAMPERS TO BE FULLY ACCESSIBLE	NOTED. FINAL POSITIONS TO BE SUBJECT TO CONFIRMATION BY BOUNDARIES.
4.	PROJECT CO. TO CONFIRM SUITABLE ACCESS FOR MAINTENANCE AND CLEANING.	NOTED.

* COMMENTS BASED ON WW-Z3-02-PL-524-001 Rev A - STATUS B.



Rev	Description	AW	CB
E	1008 DRAWING UPDATED IN LINE WITH 2016 CURRENT FIRE STRATEGY DRAWING. CSFD's, FD's AND FC's ADDED.	SJ	BR
D	1204 FUME CLIPBOARD ED ADDED TO RISER E4.	AW	SJ
C	2201 NOTES UPDATED.	AW	SJ
C	2201 ISSUED AT REVISION C.	AW	SJ
B	1801 ISSUED FOR BUILDING WARRANT.	DWF	SJ
A	1508 ISSUED AT REVISION A.	DWF	SJ
1	30054 T1 RDD ISSUE.	DWF	SJ
		AT	BR

Re-provision of RHSC and DCN at Little France

NHS
 Lothian

Title
 ZONE Z2 - LEVEL 02 - VENTILATION DISTRIBUTION

Drawing No.
 WW-Z2-02-PL-524-001

Scale @ A0
 As indicated

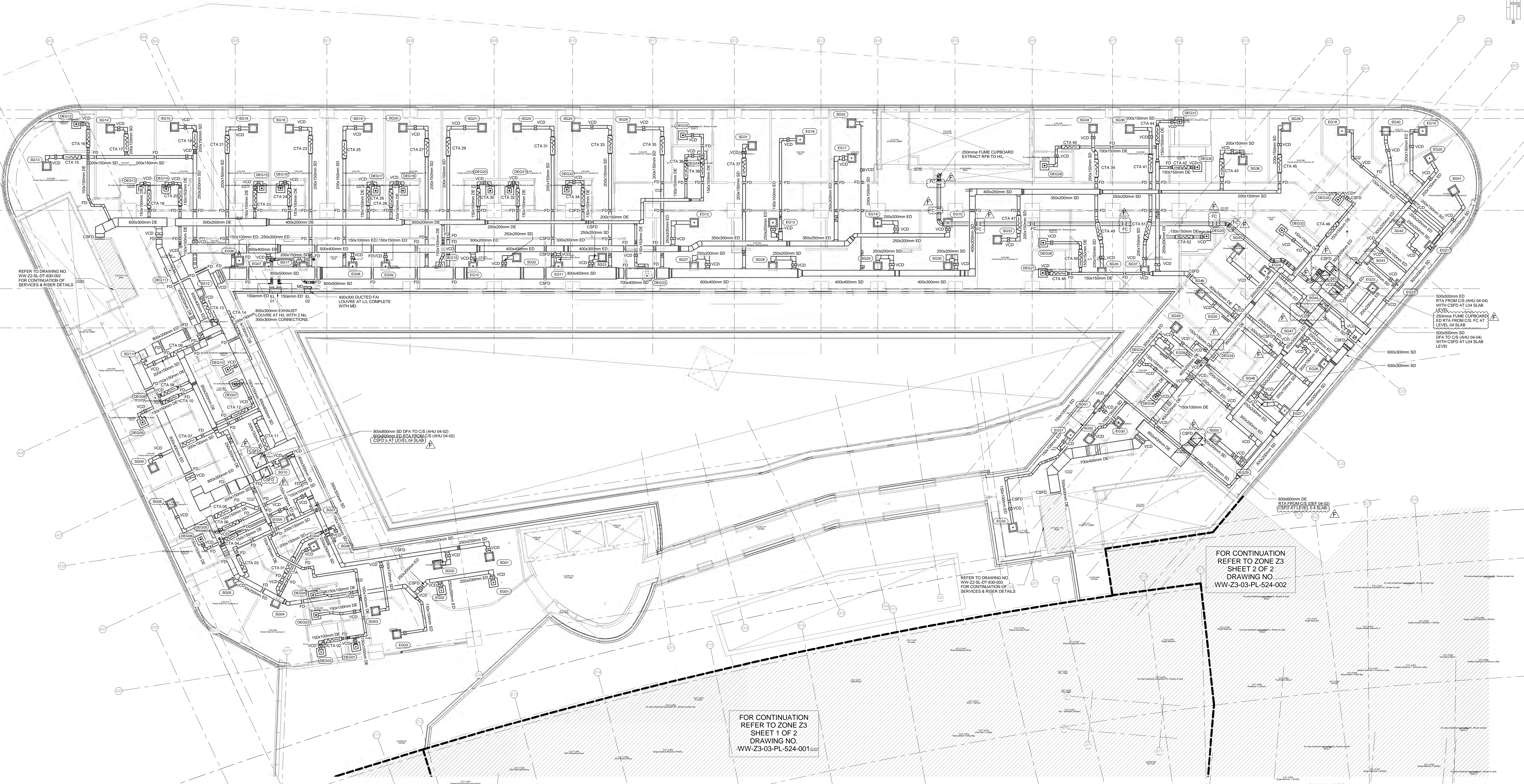
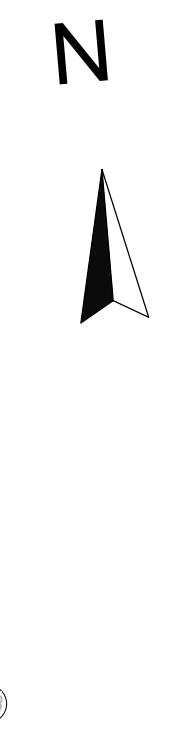
Date
 JAN. 2015

Status
 CONSTRUCTION

IHS LOTHIAN
 INTEGRATED HEALTH SOLUTIONS

Notes
Check all dimensions on site. Do not scale from this drawing.
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- LEGEND**
- SD - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
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 - MD - MOTORISED DAMPER
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 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
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 - DFL - DROP FOLLOW LEVEL
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 - RFL - RISE FROM BELOW
 - RTA - RISE TO ABOVE
 - OS - OFFSET UP OR DOWN
 - ATTN - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HEAT - HEATER BATTERY
 - COOL - COOLING BATTERY
 - FC - FIRE COLLAR

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH 14.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PERMANENTLY PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH FLENUM BOX WITH SIDE ENTRY GRIGOT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BE OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARD.
 - ALL FINAL CONNECTORS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH HW 03 01 SHIM 03 01.

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	IS THIS AN OVERLAY OF AHU 04-02, SHOULD IT BE ON THIS DRAWING.	ERROR: AHU REMOVED.
2.	THE BOARD ACKNOWLEDGES THE DRAWING IS STILL TO BE UPDATED TO INCORPORATE ALL COMMENTS RECORDED ON ZONE 2 LEVEL 1 DRAWINGS THAT ARE APPLICABLE TO THIS LEVEL.	NOTED: COMMENTS FROM ZONE 2 LEVEL 1 INCORPORATED.
3.	NO ATTENTION IDENTIFIED ON DRAWING. CONFIRMATION REQUIRED HOW CROSS TALK IS ELIMINATED.	DIFFUSER SHALL BE PROVIDED WITH LINED FLENUM BOXES TO DAMPEN AIR Borne NOISE TRANSFER THROUGH GRILLES. DUCT INSULATION ALSO HELPS TO DAMPEN ANY NOISE BREAKOUT THROUGH THE DUCT WALL SURFACE.

* COMMENTS BASED ON WW-Z3-03-PL-524-001 Rev 01 - STATUS B.



Revisions

Rev	Description	AW	SJ	BR
F	1008 DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWING. CSFD & FD LANDSCAPES ADDED.	AW	SJ	BR
E	2204 DRAWING REVISED TO REFLECT UPDATED ARCHITECTS LAYOUT. DEFP, FC COMMENTS (PROCESSED BY AEG) INCORPORATED. FPD ADDED. CTAS ADDED TO BEDROOMS. DE DUCTWORK ALTERED TO REFLECT BWH OPENINGS. FLAME CLIPBOARD EXTRACT ADDED.	AW	SJ	BR
D	1803 ISSUED AT REVISION D	AW	LM	BR
C	2201 ISSUED AT REVISION C	AW	SJ	BR
B	1801 ISSUED FOR BUILDING WARRANT	DWP	SJ	BR
A	1800 ISSUED AT REVISION A	DWP	SJ	BR
1	1304 T1 RFD ISSUE	AW	SJ	BR

Re-provision of RHSC and DCN at Little France

Client



Title
ZONE Z2 - LEVEL 03 VENTILATION DISTRIBUTION

Drawing No. **WW-Z2-03-PL-524-001** Revision **F**

Scale @ A0 Date **MAR. 2015**

Status **CONSTRUCTION**





Designer Identification of Hazard Risk

	Indicates a Residual Risk requiring a Compulsory Action
	Indicates a Residual Risk for Information
	Indicates a Residual Risk requiring a Prohibitive Action
	Indicates a Residual Risk as a Warning

LEGEND

	SUPPLY DUCT
	EXTRACT DUCT
	DIRTY EXTRACT DUCT
SD	SUPPLY DUCT
ED	EXTRACT DUCT
DE	DIRTY EXTRACT DUCT
AHU	AIR HANDLING UNIT
DEF	DIRTY EXTRACT FAN
FD	FIRE DAMPER
CSFD	COMBINED SMOKE & FIRE DAMPER
VCD	VOLUME CONTROL DAMPER

A	02/09/2016	ISSUED FOR T3 CONSTRUCTION	JS/DM	BR/AW
1	13/05/2016	ISSUED FOR INFORMATION	JS/JS	BR/AW

Revisions
Project

Re-provision of RHSC and DCN at Little France

Client

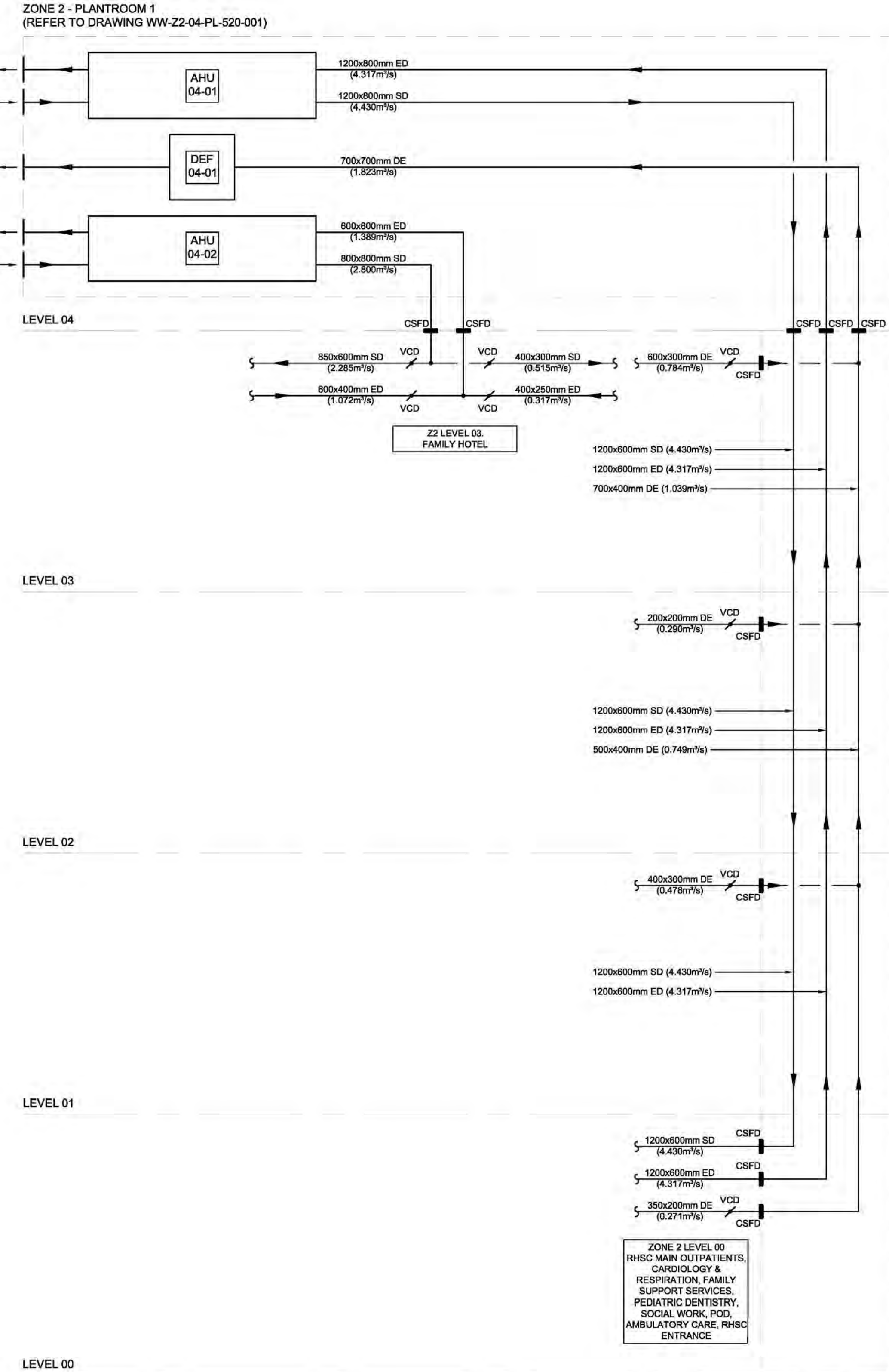


Title
**ZONE Z2 LEVEL 04
PLANTROOM 1 & 2
VENTILATION SCHEMATIC**

Drawing No.	Revision
WW-Z2-SL-SC-524-001	A

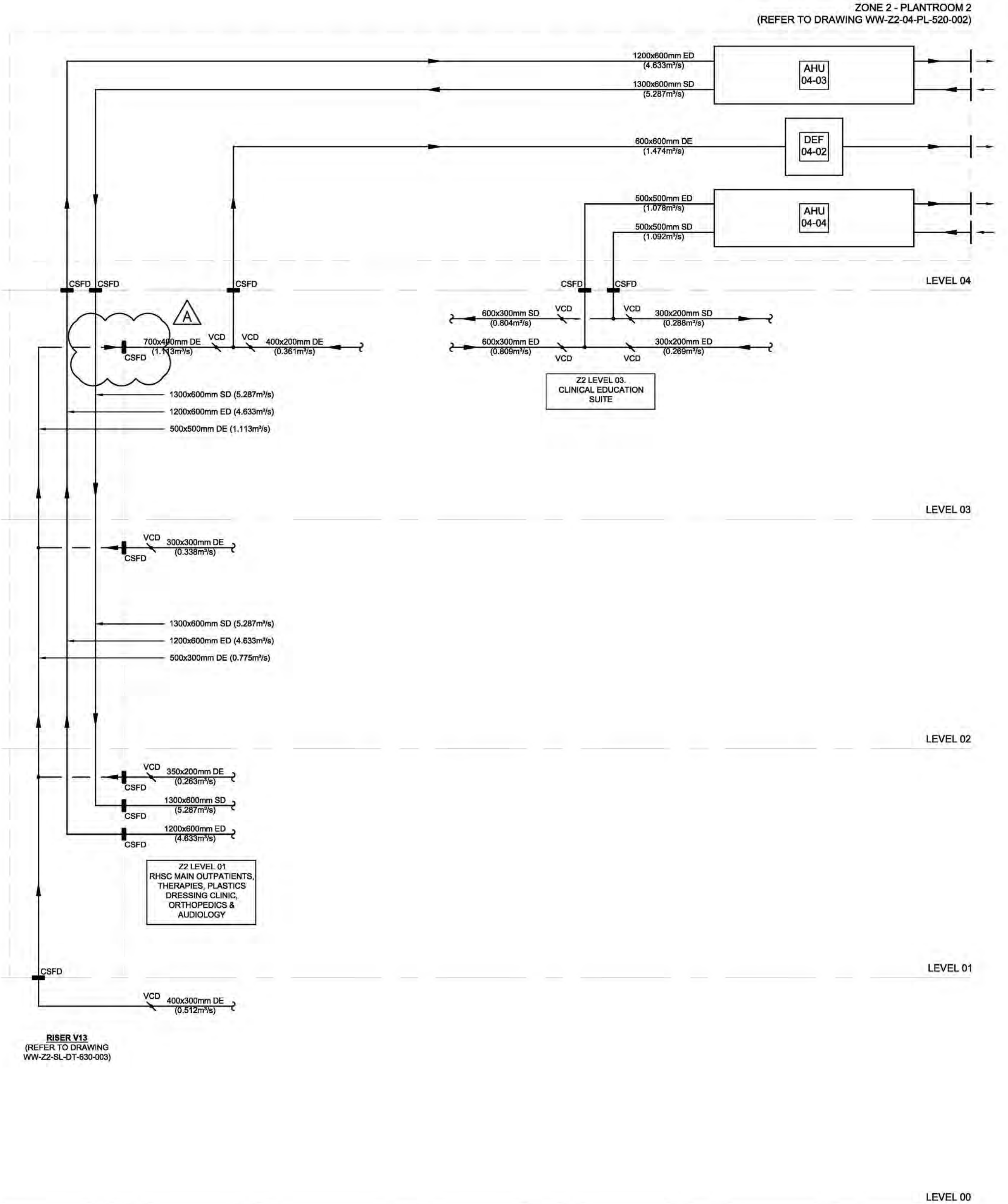
Scale @ A1 Date
N.T.S. @ A1 APRIL. 2016

Status
INFORMATION



ZONE 2 LEVEL 00
RHSC MAIN OUTPATIENTS,
CARDIOLOGY &
RESPIRATION, FAMILY
SUPPORT SERVICES,
PEDIATRIC DENTISTRY,
SOCIAL WORK, PCO,
AMBULATORY CARE, RHSC
ENTRANCE

RISER V12
(REFER TO DRAWING
WW-Z2-SL-DT-630-002)



ZONE 2 LEVEL 01
RHSC MAIN OUTPATIENTS,
THERAPIES, PLASTICS
DRESSING CLINIC,
ORTHOPEDICS &
AUDIOLOGY

RISER V13
(REFER TO DRAWING
WW-Z2-SL-DT-630-003)

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	DIRECTION ARROW FACING WRONG DIRECTION	AMENDED.

* COMMENTS BASED ON WW-Z2-SL-SC-524-001 Rev 1 - STATUS B.

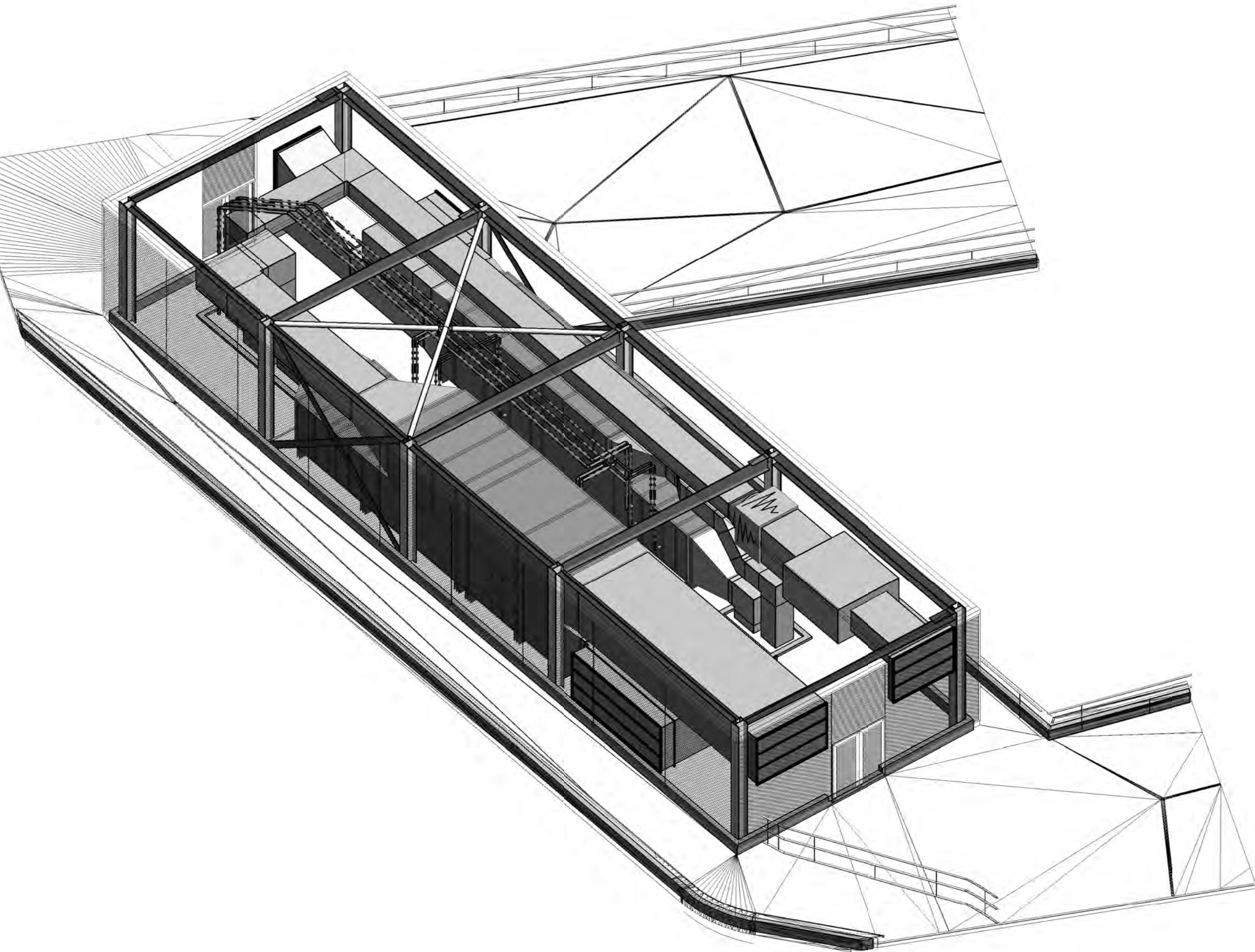
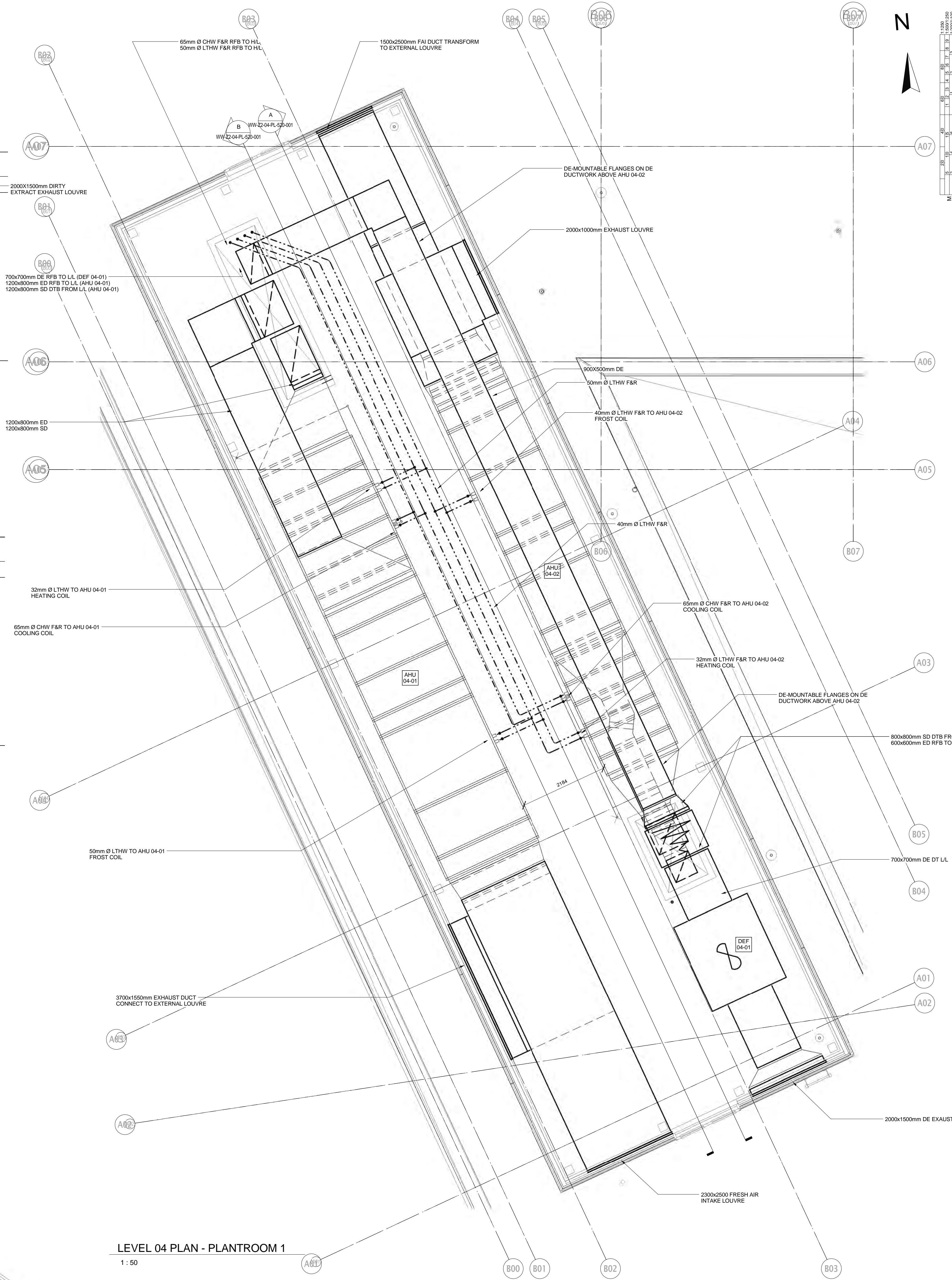
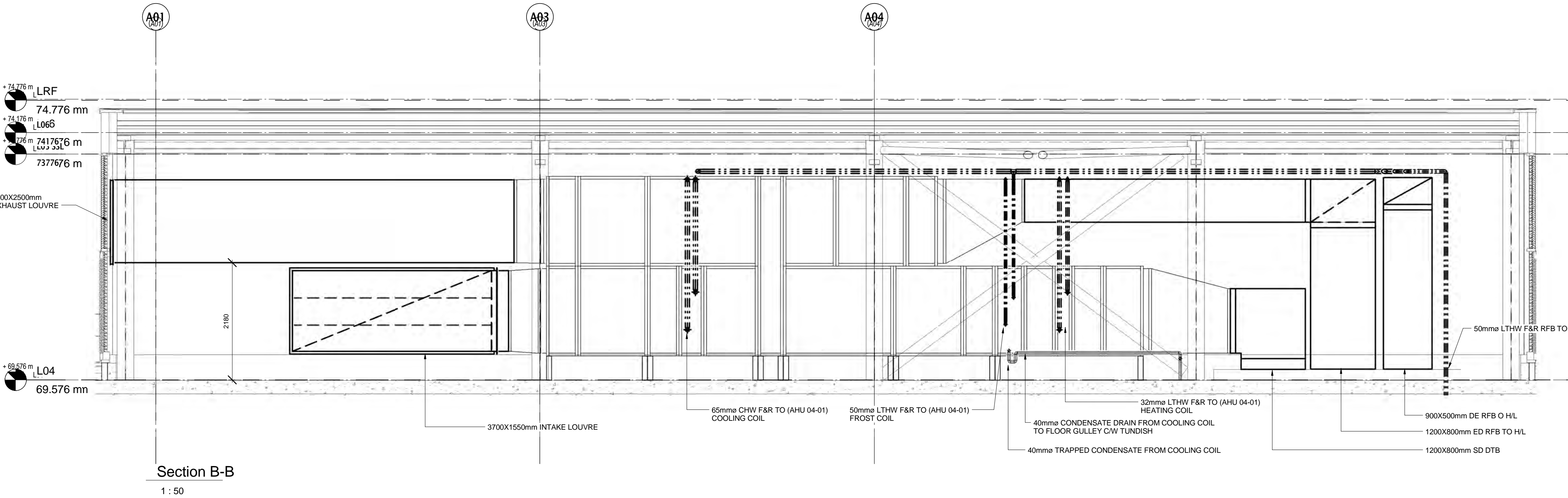
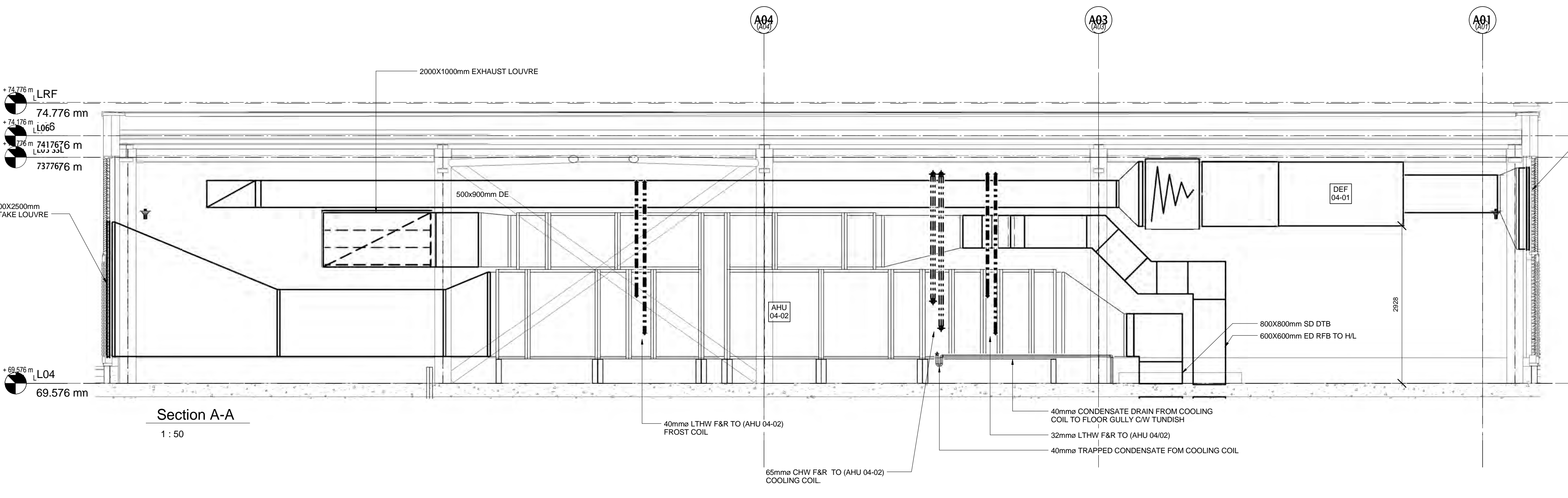
1:1250	1:6000/2500
1:2500	1:3000/1500
1:5000	1:1500/750
1:10000	1:750/375

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Check all dimensions on site. Do not scale from this drawing.
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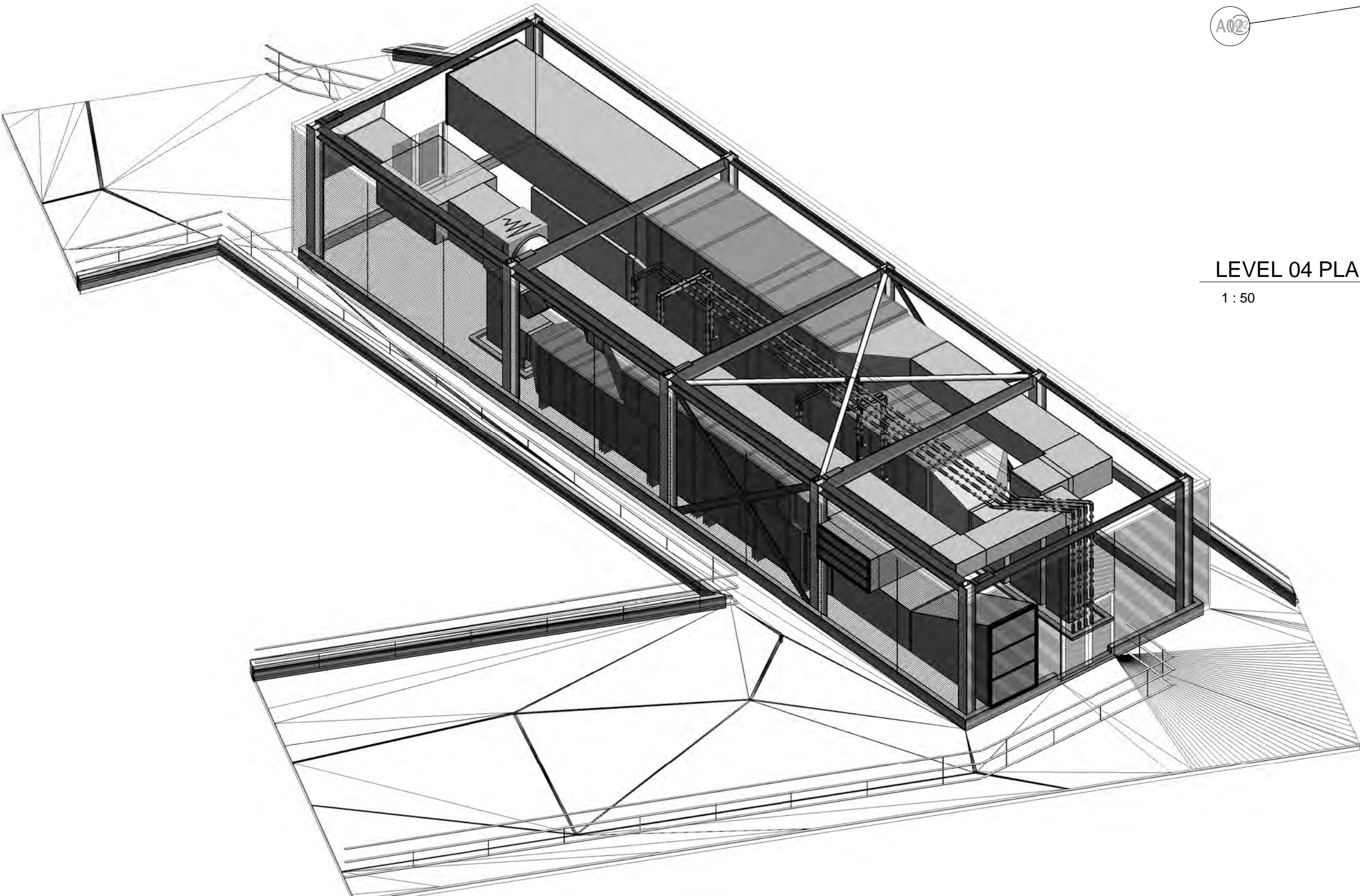
- Designer Identification of Hazard Risk
- Indicates a Residual Risk requiring a Compulsory Action
 - Indicates a Residual Risk for Information
 - ⊕ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

- LEGEND
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - FD - FIRE DAMPER
 - MD - MOTORISED DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EA - EXHAUST
 - DFA - DROP FROM ABOVE
 - DTB - DROP TO BELOW
 - DTLA - DROP TO LOW LEVEL
 - RTHL - RISE TO HIGH LEVEL
 - RFB - RISE FROM BELOW
 - RTA - RISE TO ABOVE
 - OS - OFFSET (UP OR DOWN)
 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HTB - HEATER BATTERY
 - CB - COOLING BATTERY

- NOTES
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH D0144.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH D0172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL EXTRACT/PENETRATIONS PASSING THROUGH FLOOR LEVEL, STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPOUT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO RAL ORRAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH THE PERFORMANCE REQUIREMENTS OF SECTION 6 OF THE TECHNICAL SPECIFICATIONS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTIONS.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH H40-03-01/SHM 04-01.
 - FRESH AIR MAKE UP SYSTEM TO BE FIRE RATED.



PLANTROOM ISOMETRIC AA



PLANTROOM ISOMETRIC BA

1	09/12 T1 RDD ISSUE	DW	WT
	2015	SJ	BR

Project
Re-provision of RHSC and DCN at Little France
Client

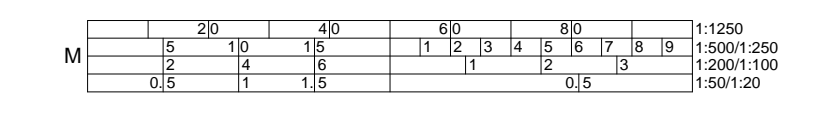


Title
ZONE Z2 - LEVEL 04 VENTILATION PLANTROOM 1

Drawing No.	Revision
WW-Z2-04-PL-520-001	1

Scale @ A0 Date
As indicated JUN. 2014

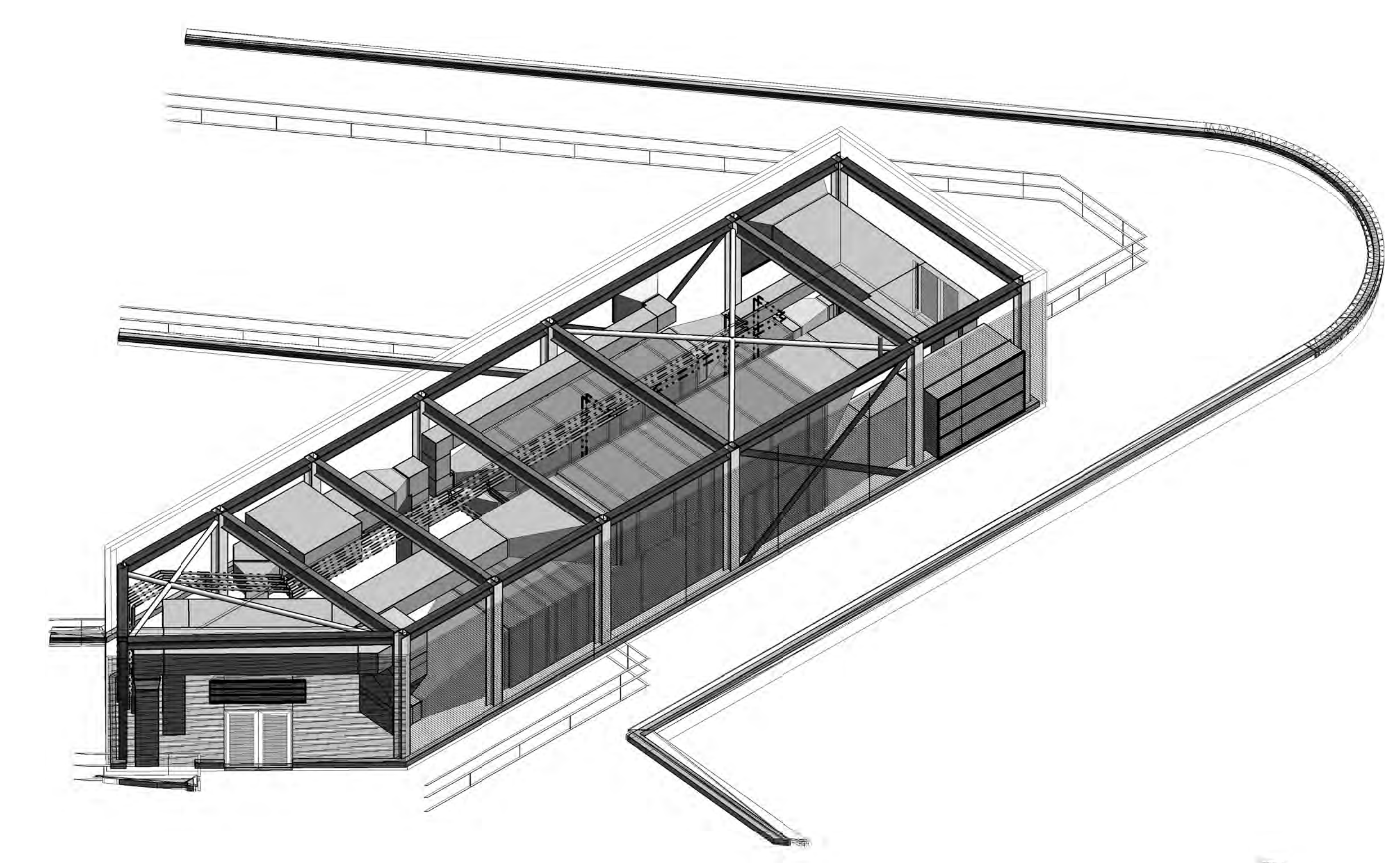
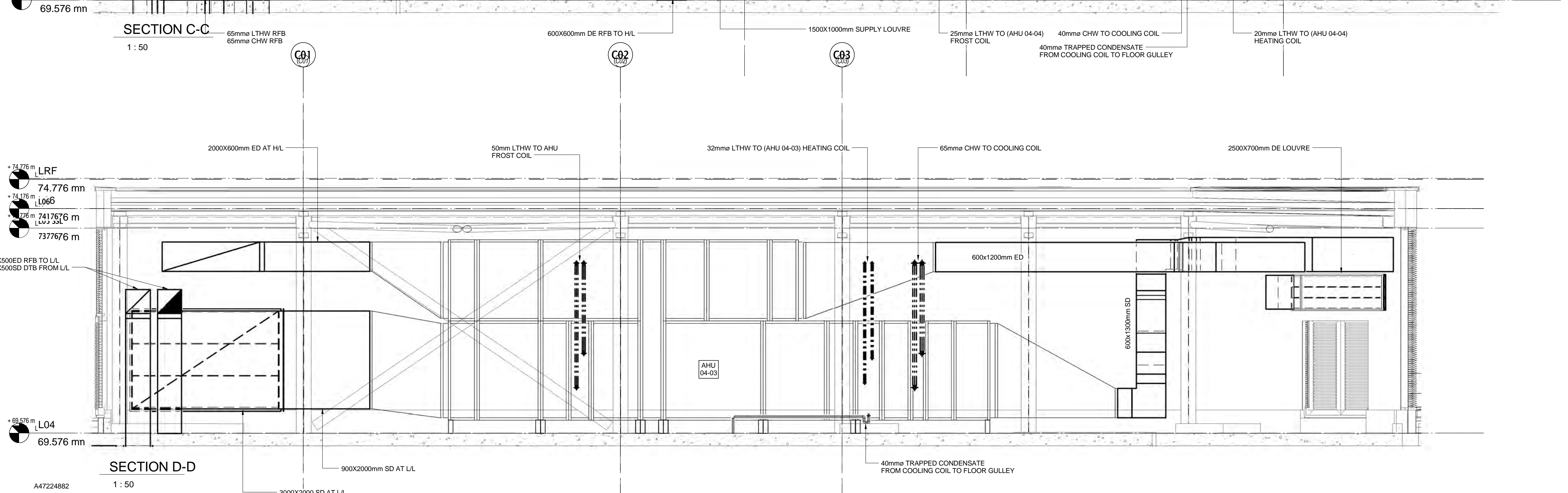
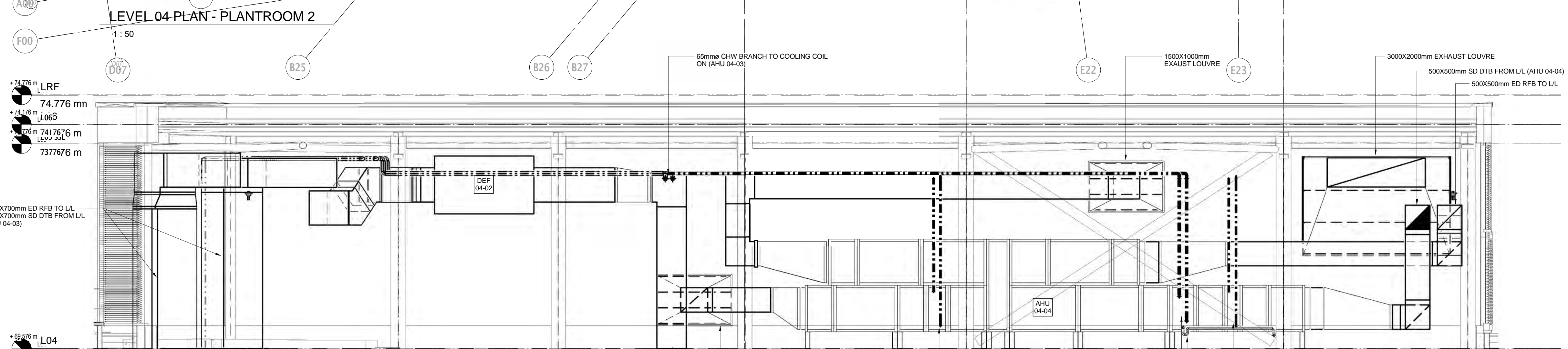
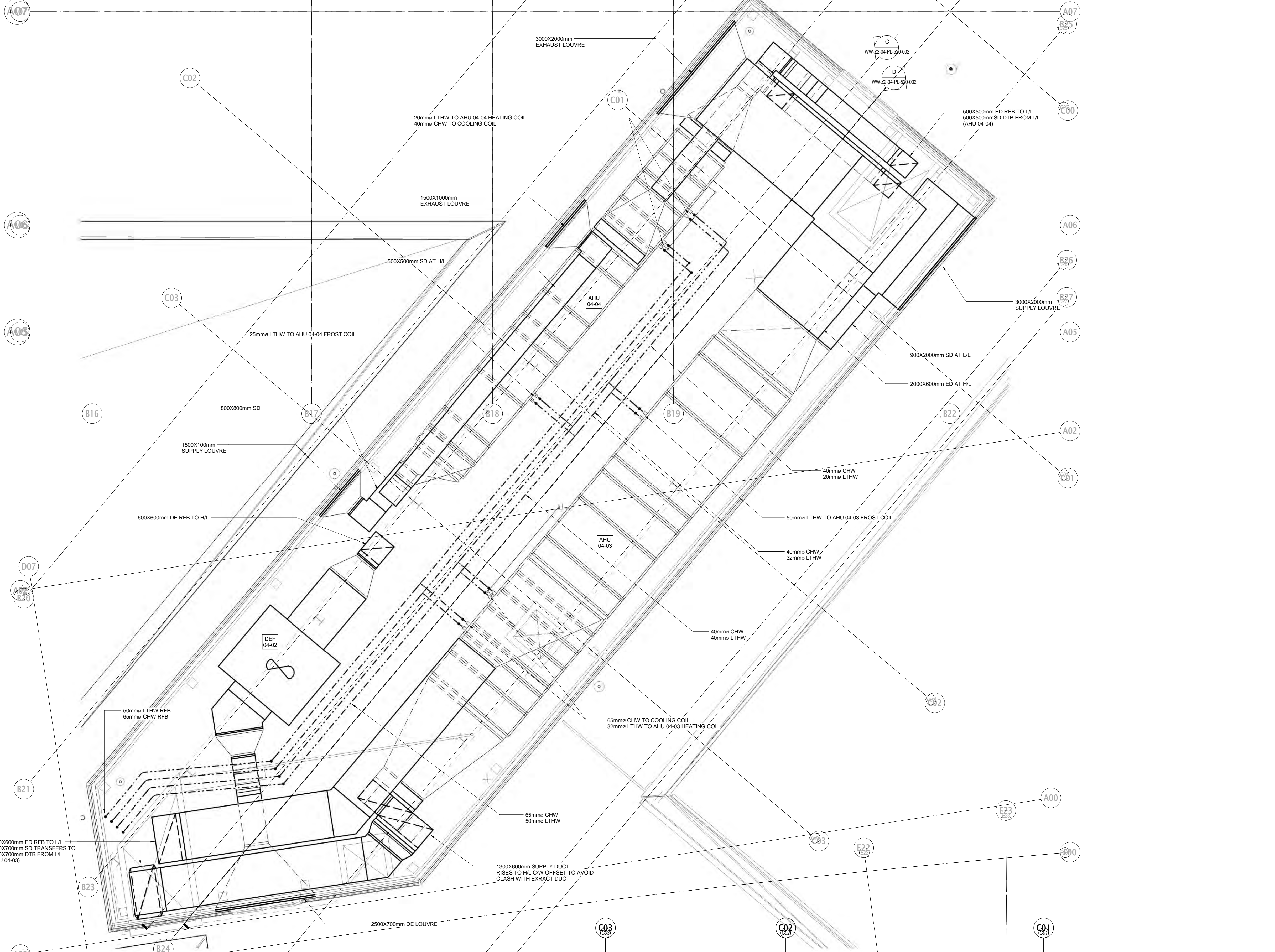
Status
T1 RDD ISSUE



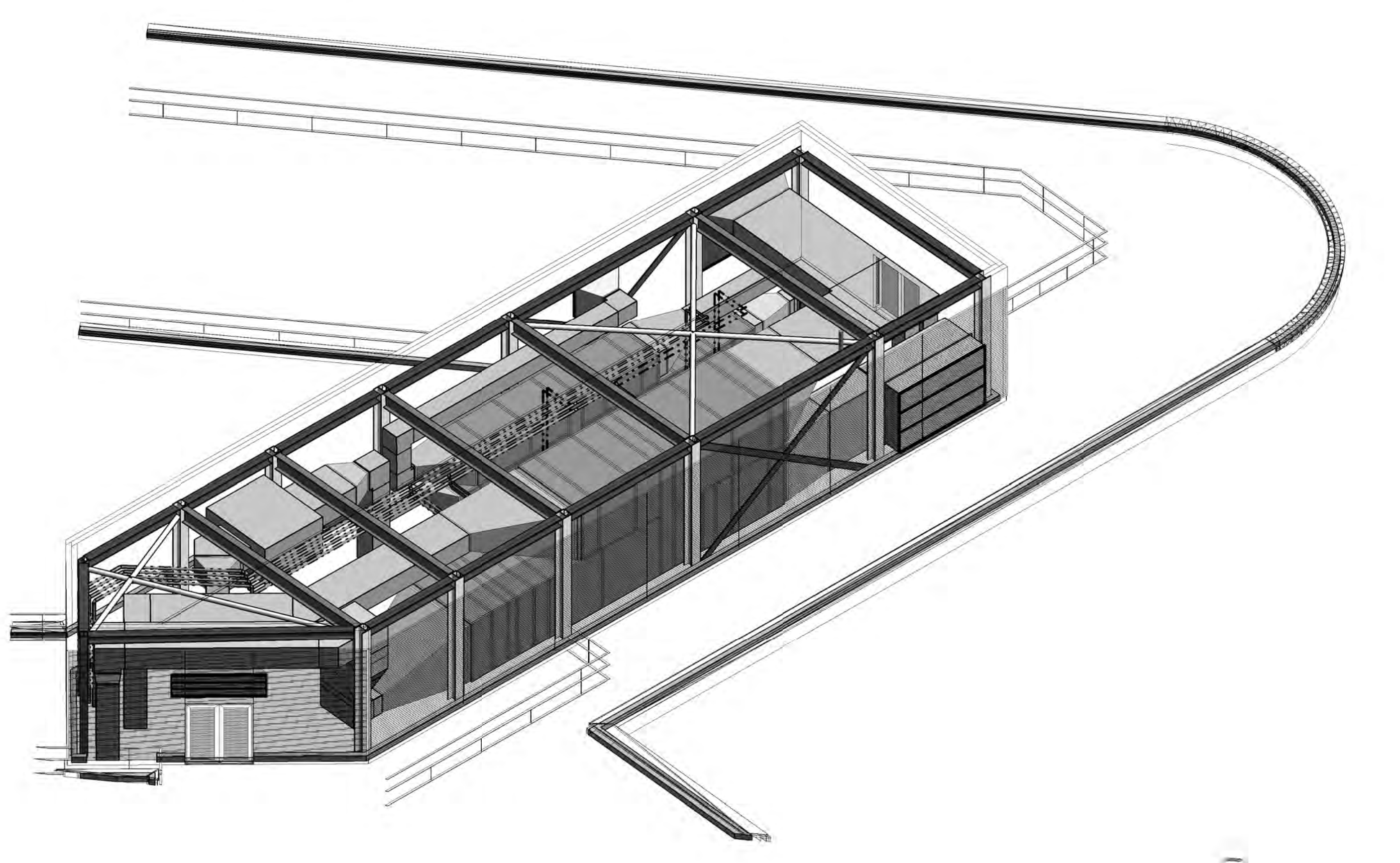
Notes
Check all dimensions on site. Do not scale from this drawing.
Repeat all dimensions and annotations to drawing originator.
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Designer Identification of Hazard Risk

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- ⚠ Indicates a Residual Risk as a Warning



PLANTROOM ISOMETRIC A



PLANTROOM ISOMETRIC B

LEGEND

SG	SUPPLY GRILLE
EG	EXTRACT GRILLE
DGG	DIRTY EXTRACT GRILLE
VCD	VOLUME CONTROL DAMPER
FD	FIRE DAMPER
MD	MOTORISED DAMPER
CSFD	COMBINED SMOKE & FIRE DAMPER
ED	EXTRACT DUCT
SD	SUPPLY DUCT
DE	DIRTY EXTRACT
KED	KITCHEN EXTRACT DUCT
FAI	FRESH AIR INTAKE
EX	EXHAUST
DFA	DROP FROM ABOVE
DTB	DROP TO BELOW
DLCL	DROP TO LOW LEVEL
RTHL	RISE TO HIGH LEVEL
RFB	RISE FROM BELOW
RTA	RISE TO ABOVE
OS	OFFSET UP OR DOWN
ATT	ATTENUATOR
CTA	CROSS TALK ATTENUATOR
HEB	HEATER BATTERY
CB	COOLING BATTERY

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW17.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH FLEMBOX WITH SIDE ENTRY SPOUT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED, TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTIONS 6 OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION ISOLATORS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH HM DR018/01/01.
 - FRESH AIR MAKE UP SYSTEM TO BE FIRE RATED.

1	09/12 T1 RDD ISSUE	05W	WTF
	2015	SJ	BR

Project
Re-provision of RHSC and DCN at Little France
Client

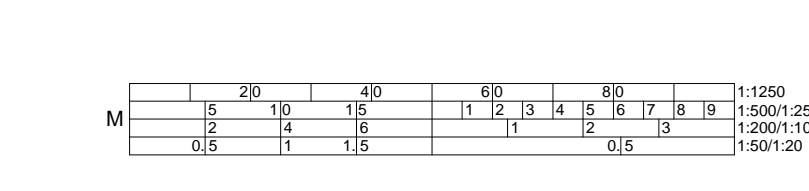


Title
ZONE Z2 - LEVEL 04 VENTILATION PLANTROOM 2

Drawing No.	Revision
WW-Z2-04-PL-520-002	1

Scale @ A0 Date
As indicated JUN. 2014

Status
T1 RDD ISSUE



Notes
Check all dimensions on site. Do not scale from this drawing.
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- ⚠ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚡ Indicates a Residual Risk as a Warning

- LEGEND**
- SD - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - MD - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - SD DE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KEO - KITCHEN EXTRACT DUCT
 - FAL - FRESH AIR INTAKE
 - EX - EXHAUST
 - AHJ - AIR HANDLING UNIT
 - DFA - DROP FROM ABOVE
 - DTB - DROP TO BELOW
 - DTL - DROP TO LOW LEVEL
 - RTHL - RISE TO HIGH LEVEL
 - RFB - RISE FROM BELOW
 - RTA - RISE TO ABOVE
 - OS - OFFSET (UP OR DOWN)
 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - CWB - CONSTANT VOLUME BOX
 - DTG - DOOR TRANSFER GRILLE
 - FC - FIRE RATED EXTRACTWORK
 - FC - INTUMESCENT FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE
 - SP - SPECTACLE PLATE

- NOTES**
- GENERAL EXTRACTWORK INSTALLATION TO COMPLY WITH DW144.
 - KITCHEN EXTRACTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL EXTRACTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLenum BOX WITH SIDE ENTRY SPOOT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW1.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION ROOM SHALL BE STOPPED BY A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 - FUME CAPTURED DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYETHYLENE TEREPHTHALATE (PET) COMPLYING WITH IFCO DOCUMENT DW154.
 - ALL FUME CURTAININGS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH BOTH WALLS AND FLOORS TO BE IN ACCORDANCE WITH THE CURRENT FIRE STRATEGY.
 - FUME EXHAUST DISCHARGE TO ATMOSPHERE SHALL BE 3000mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14175.
 - THE EXTRACTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH SHM 03 OF VENTILATION IN HEALTHCARE PREMISES, PART A DESIGN AND VALIDATION.

- Revisions**
- | | | | | |
|------|-------|--|----|----|
| K | 27/08 | DRAWING UPDATED IN LINE WITH THE 2018 ARCHITECTS CURRENT FIRE STRATEGY | SF | BR |
| J | 15/08 | UPDATED TO REFLECT CURRENT FIRE STRATEGY | GM | BR |
| H | 17/02 | UPDATED TO REFLECT CLIENT 2017 REQUIREMENTS | GM | BR |
| G | 03/02 | UPDATED TO REFLECT CLIENT 2017 REQUIREMENTS | DM | SJ |
| F | 19/08 | DRAWING UPDATED IN LINE WITH 2016 CURRENT FIRE STRATEGY DRAWING. CSFD'S & FDS ADDED MRI ROOM VENTILATION LOCATIONS | AW | BR |
| E | 08/08 | MRI ROOM EMERGENCY EXTRACT DUCTS AW 2016 ADDED HEATER BATTERY REFERENCES. ADDED BOARD COMMENTS ADDRESSED. | AW | BR |
| D | 05/02 | ISSUED AT REVISION D | GM | SJ |
| C | 18/12 | ISSUED FOR BUILDING WARRANT | DM | SJ |
| B | 10/12 | ISSUED AT REVISION B | DM | SJ |
| A | 13/11 | ISSUED AT REVISION A | DM | SJ |
| 1 | 03/07 | T1 RFD ISSUE | DM | SJ |
| 2013 | | | DM | SJ |

Re-provision of RHSC and DCN at Little France

Client

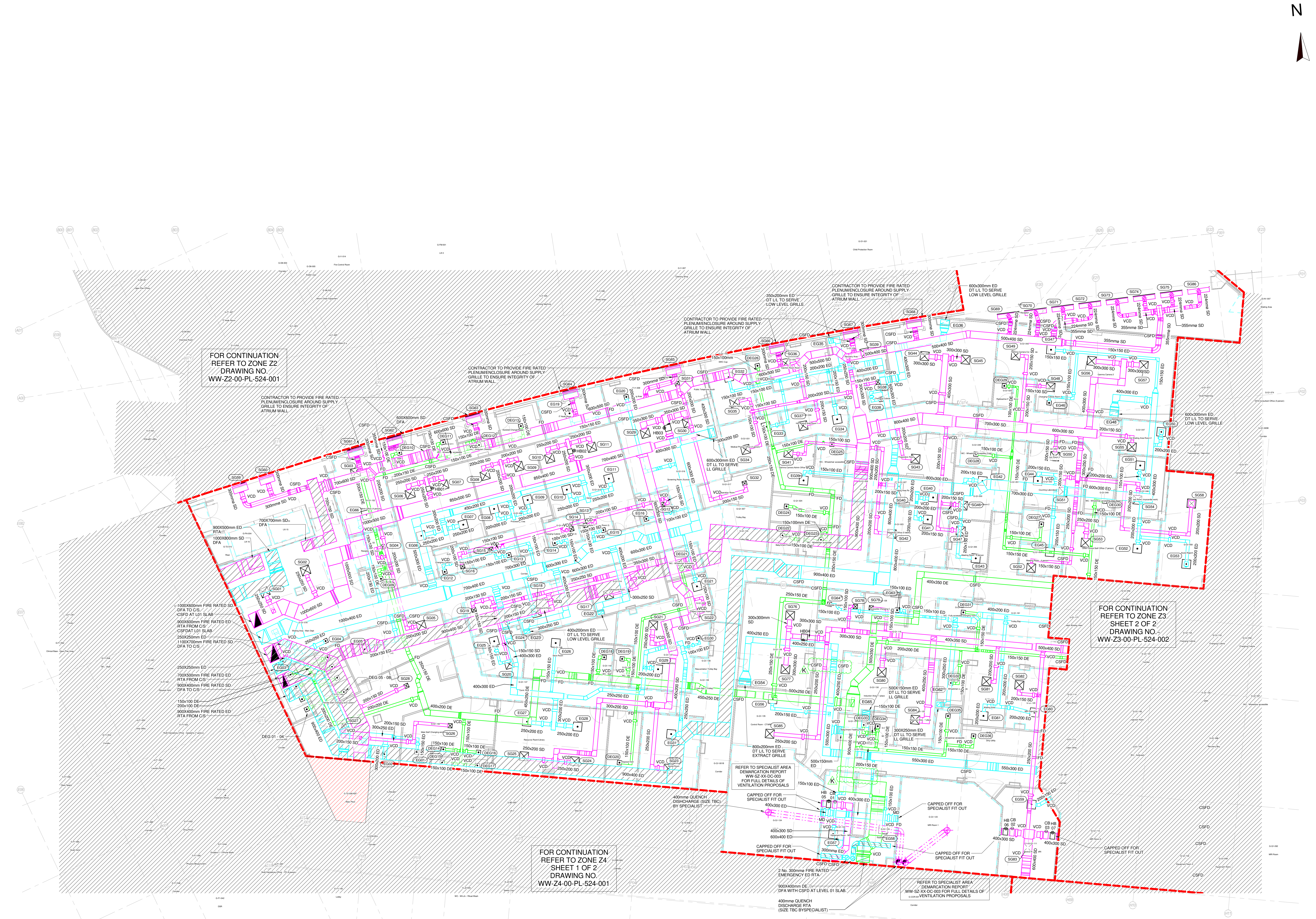


Title
ZONE Z3 - LEVEL 00 VENTILATION DISTRIBUTION SHEET 1 OF 2

Drawing No. **WW-Z3-00-PL-524-001** Revision **K**

Scale @ A0 Date **JULY, 2015**

Status **CONSTRUCTION**

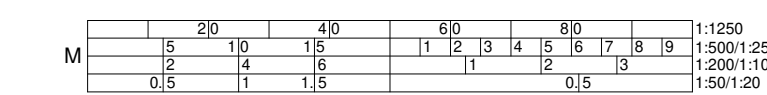
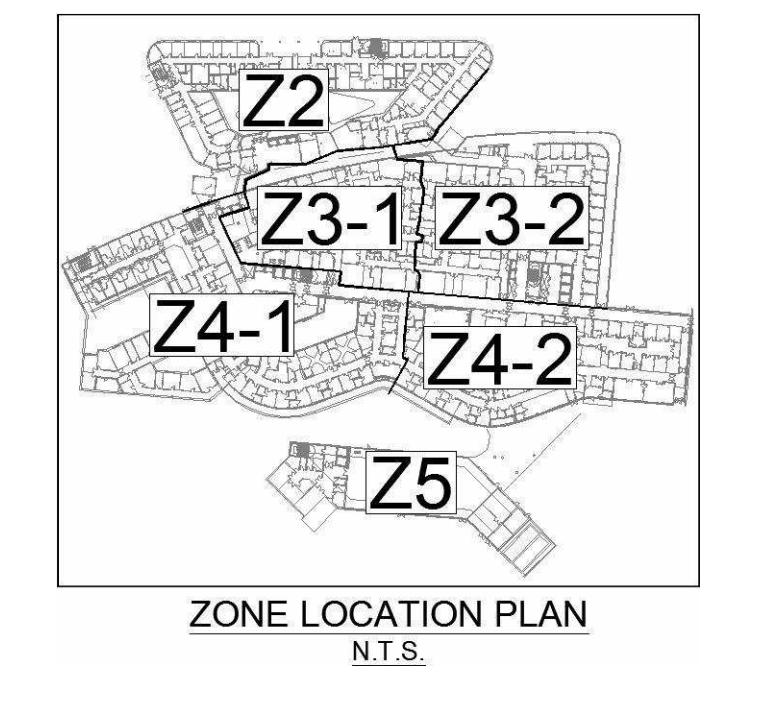
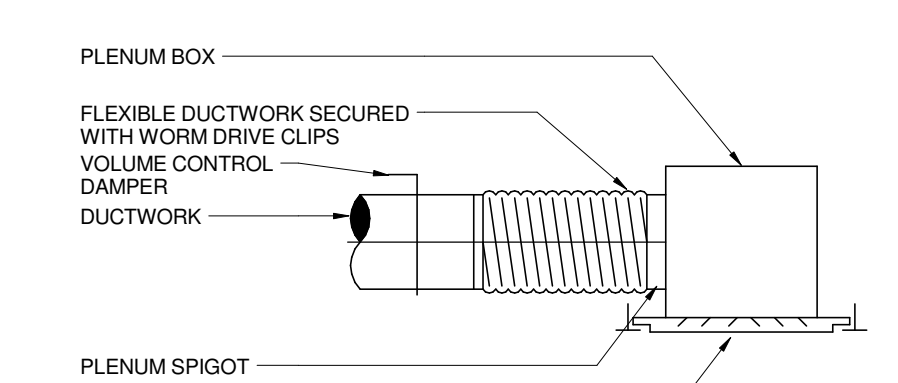


1 LEVEL 00 PLAN
1:100

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	DIFFUSERS NOT SHOWN. DETAIL DIFFUSER TYPE.	DIFFUSERS ADDED. REFER TO SCHEDULES FOR DIFFUSER DETAILS
2.	REVIEW TO ARRANGEMENT TO ENSURE THEY ARE ALL IN PLACE WHERE REQUIRED	FIRE DAMPER ARRANGEMENTS HAVE BEEN UPDATE IN LINE WITH CURRENT FIRE STRATEGY DRAWING.

* COMMENTS BASED ON WW-Z3-00-PL-524-001 Rev F - STATUS B.



Notes

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Design Identification of Legend

- Indicates a Risked Item requiring a Compulsory Action
- Indicates a Risked Item for Information
- Indicates a Risked Item requiring a Prohibitive Action
- Indicates a Risked Item as a Warning

LEGEND

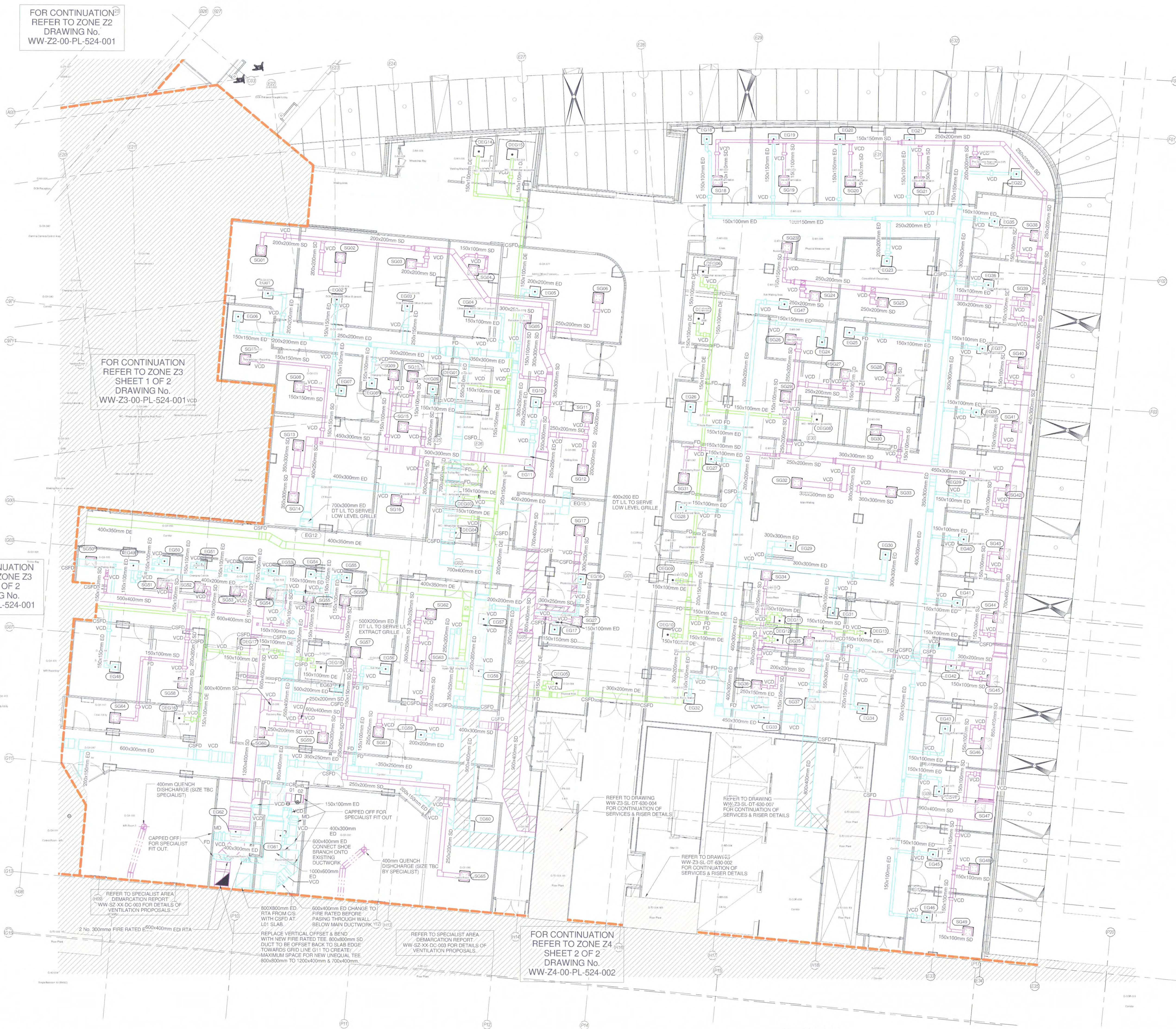
- SG - SUPPLY GRILLE
- ED - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- DEI - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KEI - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- AHU - AIR HANDLING UNIT
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
- DTBL - DROP TO LOW LEVEL
- RTHL - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET UP OR DOWN
- ATTN - ATTENUATOR
- GTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVO - CONSTANT VOLUME DAMPER
- CVB - CONSTANT VOLUME BOX
- DTG - DOOR TRANSFER GRILLE
- FC - FIRE RATED SPLITWORK
- FC - INTUMESCENT FIRE COLLAR
- DTG - DOOR TRANSFER GRILLE
- SP - SPECTACLE PLATE

FOR CONTINUATION
REFER TO ZONE Z2
DRAWING No.
WW-Z2-00-PL-524-001

FOR CONTINUATION
REFER TO ZONE Z3
SHEET 1 OF 2
DRAWING No.
WW-Z3-00-PL-524-001

FOR CONTINUATION
REFER TO ZONE Z3
SHEET 1 OF 2
DRAWING No.
WW-Z3-00-PL-524-001

FOR CONTINUATION
REFER TO ZONE Z4
SHEET 2 OF 2
DRAWING No.
WW-Z4-00-PL-524-002



Brookfield BM MULTIFLEX
Build to order products

Exhaust Ductwork
Smoke & Fire Dampers

• Manufactured to BS EN 1825-2
• Manufactured to BS EN 1825-1
• Manufactured to BS EN 1825-3

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Brookfield BM is a leading manufacturer of high quality ductwork and dampers for the construction industry.

RDD
Revised Design Details
Support of Schedule Part 15

Author: J. McKeown
Date: 20/12/18
Scale: A
Level: A

Revisions:

- 1. Issue for Client Approval
- 2. Issue for Client Approval
- 3. Issue for Client Approval
- 4. Issue for Client Approval
- 5. Issue for Client Approval
- 6. Issue for Client Approval
- 7. Issue for Client Approval
- 8. Issue for Client Approval
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- 15. Issue for Client Approval
- 16. Issue for Client Approval
- 17. Issue for Client Approval
- 18. Issue for Client Approval
- 19. Issue for Client Approval
- 20. Issue for Client Approval

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW17.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK ABOVE THE FINISH FLOORING THROUGH FLOOR LEVEL STRUCTURAL GLASS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPOUT.
 - ALL GRILLES TO BE PROVIDED WITH A SPECTACLE PLATE TO BE OF A COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS TO BE COMPLETED TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROVIDED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING COORDINATE OF THE EFFICIENCY REQUIREMENTS OF SECTIONS OF THE TECHNICAL SPECIFICATION.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW14.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION ROOM SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 - FLAME COMPARTMENT DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYMER CONCRETE (UPCC) COMPLY WITH THE FOLLOWING DOCUMENT DW154.
 - ALL FLAME COMPARTMENTS TO BE SUPPLIED BY OTHERS.
 - ALL VENTILATORS TO BE SUPPLIED WITH INTUMESCENT COLLARS AS REQUIRED THROUGH DOWN WALLS & BARS TO IN LINE WITH THE ARCHITECT'S CURRENT FIRE STRATEGY.
 - FLAME COMPARTMENT DISCHARGE TO ATMOSPHERE SHALL BE 300MM ABOVE ROOF LEVEL IN ACCORDANCE WITH BS 1179.
 - THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH BS 8101 OF VENTILATION HEALTH CARE PROGRESS PART A DESIGN AND VALIDATION.

- Revisions**
- K 120W FIRE DAMPERS INSTALLED WITHIN DUCTWORK AS IT RUNS OVER ROOM G-01156 IN LINE WITH CURRENT FIRE STRATEGY. GR: BR/ SU MM
 - J 1812 MRI DUCTWORK REROUTED VIA THE MAIN VENTILATION LINE WITH CLIENT REQUIREMENTS. AW: BR/ SU JS
 - I 0408 DUCTWORK TO ROOM G-01156 HAS BEEN REMOVED IN LINE WITH THE REVISION FLOOR PLAN LAYOUT AS PART OF THE SWITCH SUPERMARKET RELOCATION. AW: BR/ SU BR
 - H 1102 UPDATES TO REFLECT CLIENT REQUIREMENTS. AW: BR/ SU BR
 - G 0302 UPDATED TO REFLECT CLIENT REQUIREMENTS. AW: BR/ SU BR
 - F 1908 DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWING. AW: BR/ SU BR
 - E 0808 MRI VENTILATION UPDATED TO REFLECT SPECIALIST DEMARCATION REPORT PROPOSALS. AW: BR/ SU BR
 - D 0508 ISSUED AT REVISION D. AW: BR/ SU BR
 - C 1801 ISSUED FOR BUILDING WARRANT. AW: BR/ SU BR
 - B 1012 ISSUED AT REVISION B. AW: BR/ SU BR
 - A 1608 ISSUED AT REVISION A. AW: BR/ SU BR
 - T 0307 T1 PDD ISSUE. AW: BR/ SU BR

Re-provision of RHSC and DCN at Little France

Client



ZONE Z3 - LEVEL 00 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No. WW-Z3-00-PL-524-002
Revision K

Scale @ A0 Date JULY, 2015

As indicated

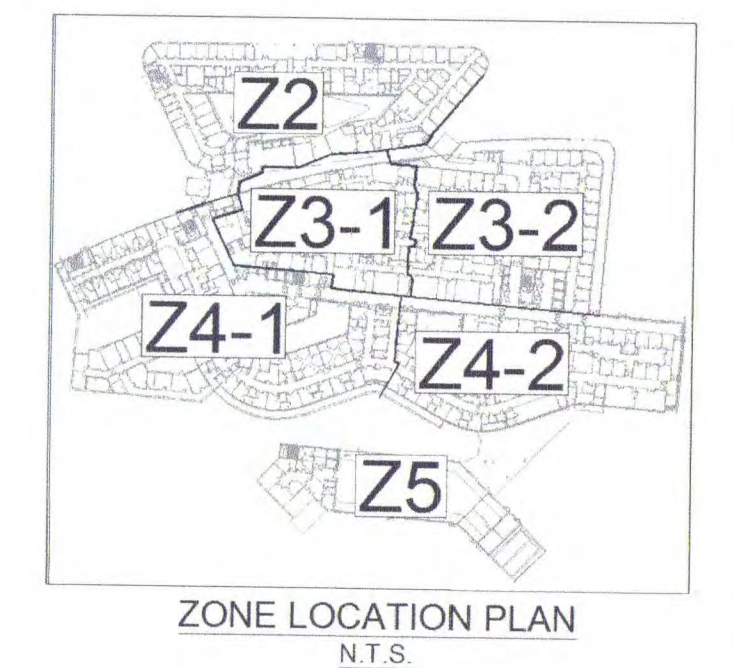
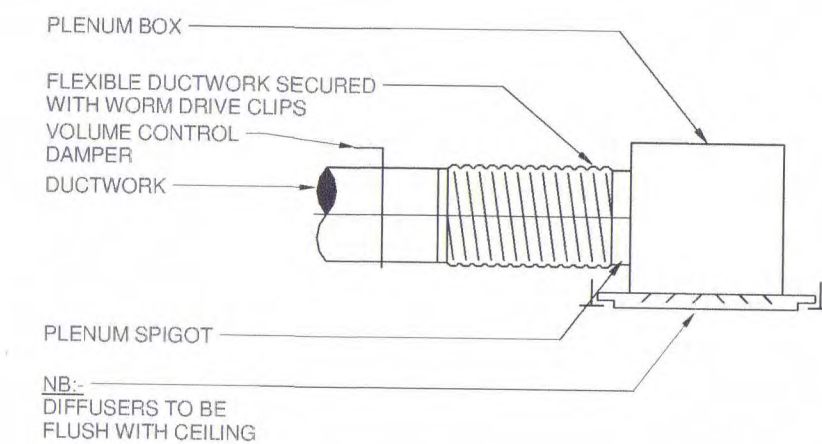
CONSTRUCTION



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	DIFFUSERS NOT SHOWN, DETAIL DIFFUSER TYPE.	DIFFUSERS ADDED. REFER TO SCHEDULES FOR DIFFUSER DETAILS.
2.	REVIEW TO ARRANGEMENT TO ENSURE THEY ARE ALL IN PLACE WHERE REQUIRED.	FIRE DAMPER ARRANGEMENTS HAVE BEEN UPDATE IN LINE WITH CURRENT FIRE STRATEGY DRAWING.
3.	DRAWING TO BE UPDATED AND REISSUED.	DRAWING HAS BEEN AMENDED AS REQUESTED.

*COMMENTS BASED ON WW-Z3-00-PL-524-002 Rev F - STATUS R.
*COMMENTS BASED ON WW-Z3-00-PL-524-002 Rev I - STATUS C.



1 LEVEL 00 PLAN
1:100



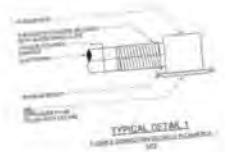
FOR CONTINUATION
REFER TO ZONE Z2
DRAWING NO.
WW-Z3-01-PL-524-001

FOR CONTINUATION
REFER TO ZONE Z3
SHEET 2 OF 2
DRAWING NO.
WW-Z3-01-PL-524-002

FOR CONTINUATION
REFER TO ZONE Z4
SHEET 1 OF 2
DRAWING NO.
WW-Z4-01-PL-524-001

LEVEL 01 PLAN
1:100

RED COMMENTS		
ITEM	COMMENT	RESPONSE
1	REVISION REQUIRED	REVISIONS REQUIRED TO BE MADE TO THE DRAWING
2	REVISION REQUIRED TO BE MADE TO THE DRAWING	REVISIONS REQUIRED TO BE MADE TO THE DRAWING
3	REVISION REQUIRED TO BE MADE TO THE DRAWING	REVISIONS REQUIRED TO BE MADE TO THE DRAWING



- NOTES**
1. ALL WORK TO BE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.
 2. ALL WORK TO BE COMPLETED BY THE DATE SPECIFIED.
 3. ALL WORK TO BE DONE IN ACCORDANCE WITH THE HEALTH AND SAFETY REGULATIONS.
 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ENVIRONMENTAL REGULATIONS.
 5. ALL WORK TO BE DONE IN ACCORDANCE WITH THE BUILDING REGULATIONS.
 6. ALL WORK TO BE DONE IN ACCORDANCE WITH THE PLANNING REGULATIONS.
 7. ALL WORK TO BE DONE IN ACCORDANCE WITH THE FIRE REGULATIONS.
 8. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ACoustics REGULATIONS.
 9. ALL WORK TO BE DONE IN ACCORDANCE WITH THE VIBRATION REGULATIONS.
 10. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LIGHTING REGULATIONS.
 11. ALL WORK TO BE DONE IN ACCORDANCE WITH THE HEATING REGULATIONS.
 12. ALL WORK TO BE DONE IN ACCORDANCE WITH THE COOLING REGULATIONS.
 13. ALL WORK TO BE DONE IN ACCORDANCE WITH THE HUMIDITY REGULATIONS.
 14. ALL WORK TO BE DONE IN ACCORDANCE WITH THE AIR QUALITY REGULATIONS.
 15. ALL WORK TO BE DONE IN ACCORDANCE WITH THE NOISE REGULATIONS.
 16. ALL WORK TO BE DONE IN ACCORDANCE WITH THE RADIATION REGULATIONS.
 17. ALL WORK TO BE DONE IN ACCORDANCE WITH THE MAGNETIC FIELD REGULATIONS.
 18. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ELECTROMAGNETIC INTERFERENCE REGULATIONS.
 19. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ULTRAVIOLET REGULATIONS.
 20. ALL WORK TO BE DONE IN ACCORDANCE WITH THE INFRARED REGULATIONS.
 21. ALL WORK TO BE DONE IN ACCORDANCE WITH THE X-RAY REGULATIONS.
 22. ALL WORK TO BE DONE IN ACCORDANCE WITH THE GAMMA RAY REGULATIONS.
 23. ALL WORK TO BE DONE IN ACCORDANCE WITH THE NEUTRON REGULATIONS.
 24. ALL WORK TO BE DONE IN ACCORDANCE WITH THE COSMIC RAY REGULATIONS.
 25. ALL WORK TO BE DONE IN ACCORDANCE WITH THE GRAVITATIONAL REGULATIONS.
 26. ALL WORK TO BE DONE IN ACCORDANCE WITH THE THERMAL REGULATIONS.
 27. ALL WORK TO BE DONE IN ACCORDANCE WITH THE MECHANICAL REGULATIONS.
 28. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ELECTRICAL REGULATIONS.
 29. ALL WORK TO BE DONE IN ACCORDANCE WITH THE CHEMICAL REGULATIONS.
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 44. ALL WORK TO BE DONE IN ACCORDANCE WITH THE DANCE REGULATIONS.
 45. ALL WORK TO BE DONE IN ACCORDANCE WITH THE THEATRE REGULATIONS.
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 100. ALL WORK TO BE DONE IN ACCORDANCE WITH THE OLFACTORY REGULATIONS.

Re-provision of RHSC and DCN at Little France



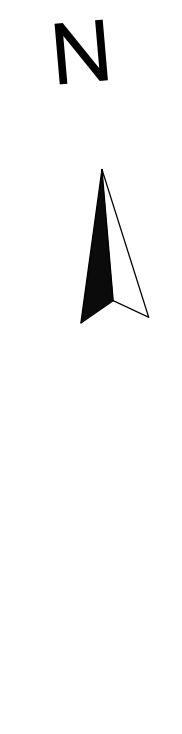
ZONE Z3 - LEVEL 01 VENTILATION DISTRIBUTION SHEET 1 OF 2

WW-Z3-01-PL-524-001

As indicated JULY 2011

CONSTRUCTION





- Notes**
Check all dimensions on site. Do not scale from this drawing.
Report any discrepancies and dimensions to drawing originator.
The Drawing is Copyright ©
- Designer Identification of Hazard Risk**
- Indicates a Residual Risk requiring a Compulsory Action
 - Ⓢ Indicates a Residual Risk for Information
 - ⓐ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

FOR CONTINUATION
REFER TO ZONE Z2
SHEET 2 OF 2
WW-Z2-02-PL-524-001



REFER TO DRAWING No.
WW-SZ-02-PL-524-001 TO 003
FOR PLANT ROOM

FOR CONTINUATION
REFER TO ZONE Z4
SHEET 2 OF 2
DRAWING NO.
WW-Z4-02-PL-524-002

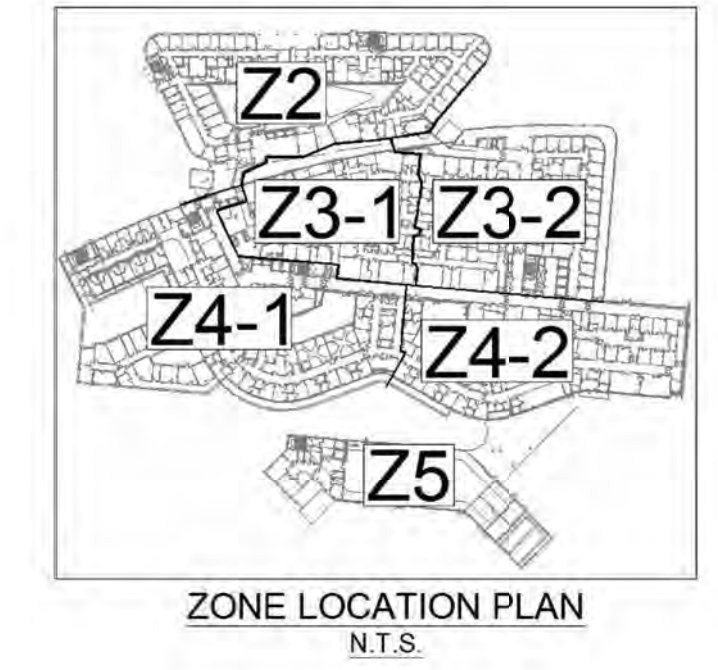
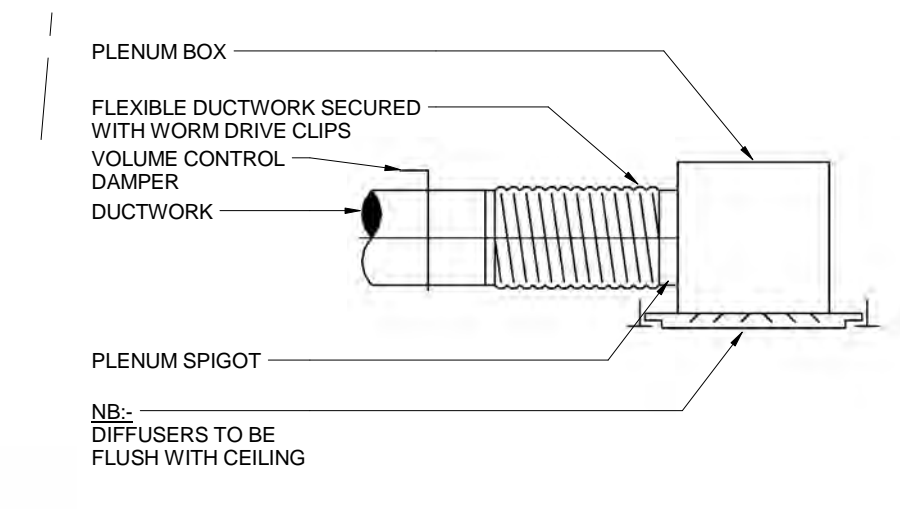
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WW-Z3-SL-07-630-004
FOR CONTINUATION OF
SERVICES AND RISER DETAILS

REFER TO DRAWING
WW-Z3-SL-07-630-002
FOR CONTINUATION OF
SERVICES AND RISER DETAILS

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NOTE SHOULD BE ADDED THAT ACCESS DOORS SHOULD BE PROVIDED FOR ALL VCD'S, FDS CSFD'S.	VENTILATION NOTE 1 STATES 'GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144'. THIS DOCUMENT REFERS TO B8ES PUBLICATION TR/15.
2.	NOTE SHOULD BE ADDED INDICATING THAT ACCESS DOORS REQUIRE TO BE INSTALLED TO PERMIT INTERNAL CLEANING OF DUCTWORK TO SUIT FREQUENCY IN THIS.	VENTILATION NOTE 1 STATES 'GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144'. THIS DOCUMENT REFERS TO B8ES PUBLICATION TR/15.
3.	NO CROSS TALK ATTENUATION INSTALLED. ON THIS DRAWING, CONFIRM IF REQUIRED.	NOT REQUIRED. ATTENUATION PROVIDED VIA ADDITIONAL BENDS AND THE INSTALLATION OF LINED PLENUM BOXES FOR GRILLES/DIFFUSERS.
4.	POC TO CONFIRM CLASH DETECTION EXERCISE CARRIED OUT ON BIM MODEL. ARE CSFD'S REQUIRED?	CLASH DETECTION CARRIED OUT THROUGH ON-GOING BIM COORDINATION MEETINGS. CSFD'S REQUIRED AS PART OF THE FIRE STRATEGY.

* COMMENTS BASED ON WW-Z3-02-PL-524-004 Rev B - STATUS B.



- LEGEND**
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - MD - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - SD DE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
 - AHU - AIR HANDLING UNIT
 - DFA - DROP FROM ABOVE
 - DTB - DROP TO BELOW
 - DTL - DROP TO LOW LEVEL
 - RTHL - RISE TO HIGH LEVEL
 - RFB - RISE FROM BELOW
 - RTA - RISE TO ABOVE
 - OS - OFFSET (UP OR DOWN)
 - ATTENUATOR - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - MD - MANUAL DAMPER
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - DTG - DOOR TRANSFER GRILLE
 - FC - FIRE RATED DUCTWORK
 - FC - INTUMESCENT FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL BARS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPOUT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED, TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTIONS OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH BS101.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE & FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 - DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED POLYETHYLENE TEREPHTHALATE (PET) COMPLYING WITH HCA DOCUMENT DW154.
 - ALL FUME CURBWARDS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH BOTH WALLS & SLAB. IN LINE WITH THE ARCHITECTS CURRENT FIRE STRATEGY.
 - FUME CURBWARD DISCHARGE TO ATMOSPHERE SHALL BE 300MM ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14175.

C	01/08	CORE 3 LOBBY ADDED TO DRAWING	AWI	LM
B	2016	ISSUED AT REVISION B	SJ	BR
A	2016	ISSUED FOR BUILDING WARRANT	DWF	JSF
1	18/12	T1 RDD ISSUE	SJ	BR
	2015		DWF	LM
			SJ	BR

Re-provision of RHSC and DCN at Little France



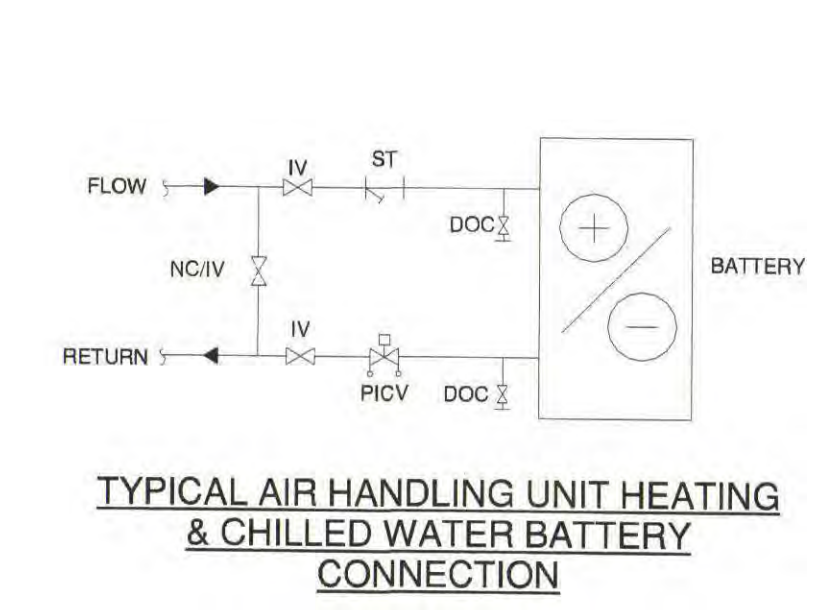
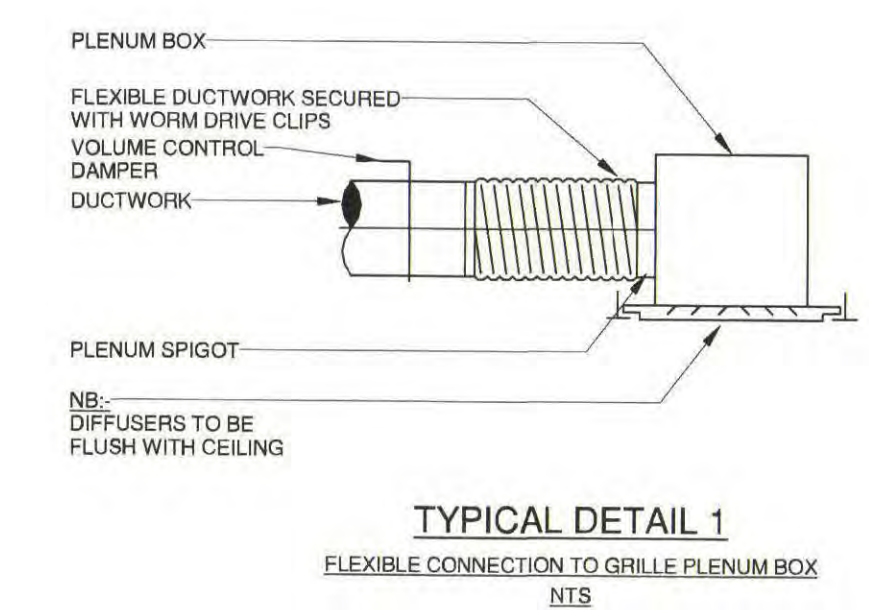
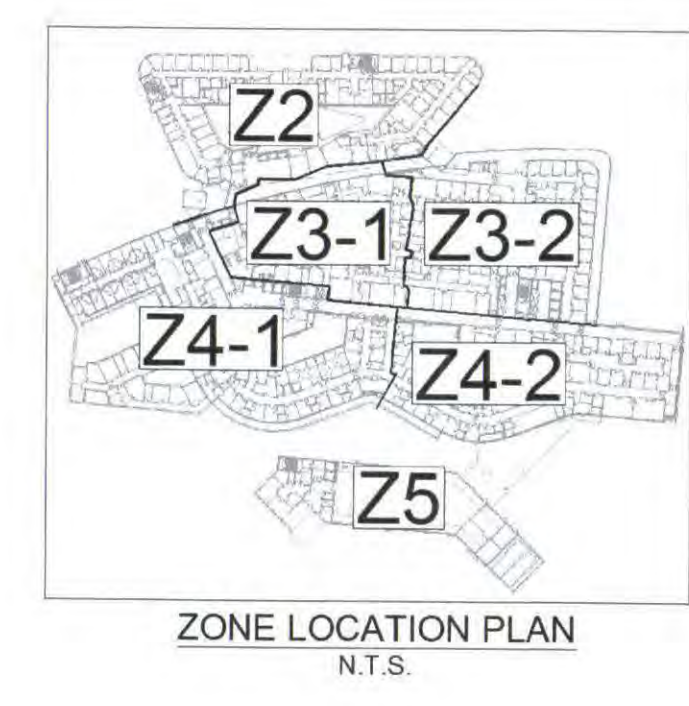
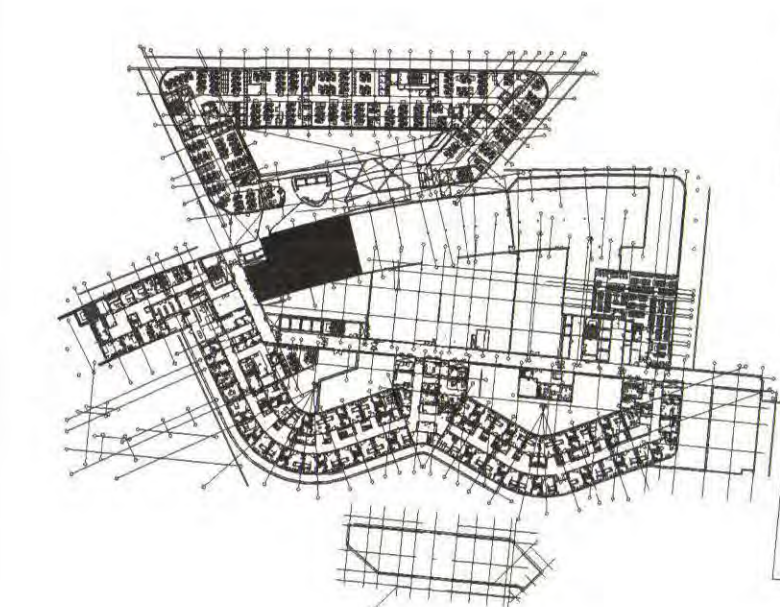
ZONE Z3 - LEVEL 02 VENTILATION DISTRIBUTION SHEET 1 OF 1

Drawing No. WW-Z3-02-PL-524-004 Revision C

Scale @ A0 Date DEC. 2015

Status CONSTRUCTION

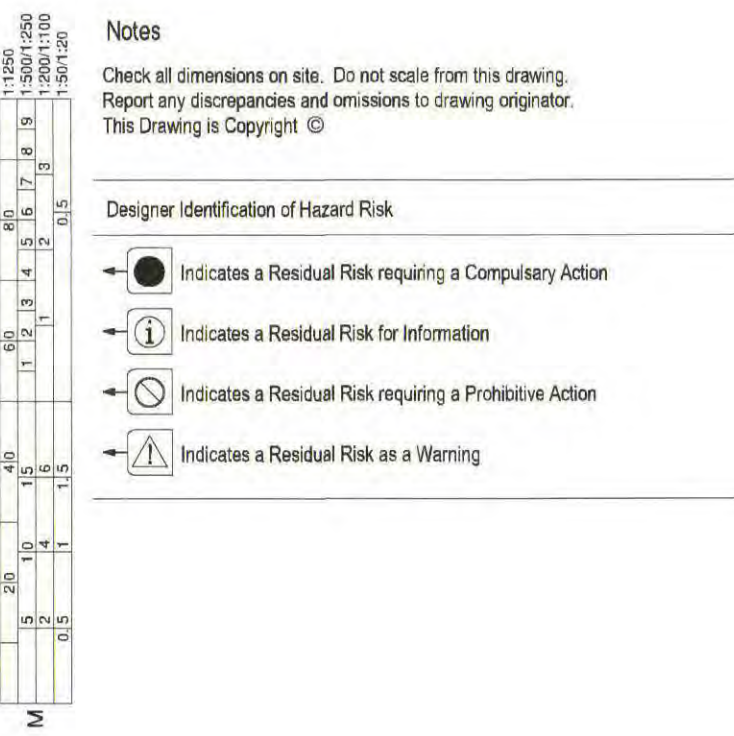




RDD COMMENTS

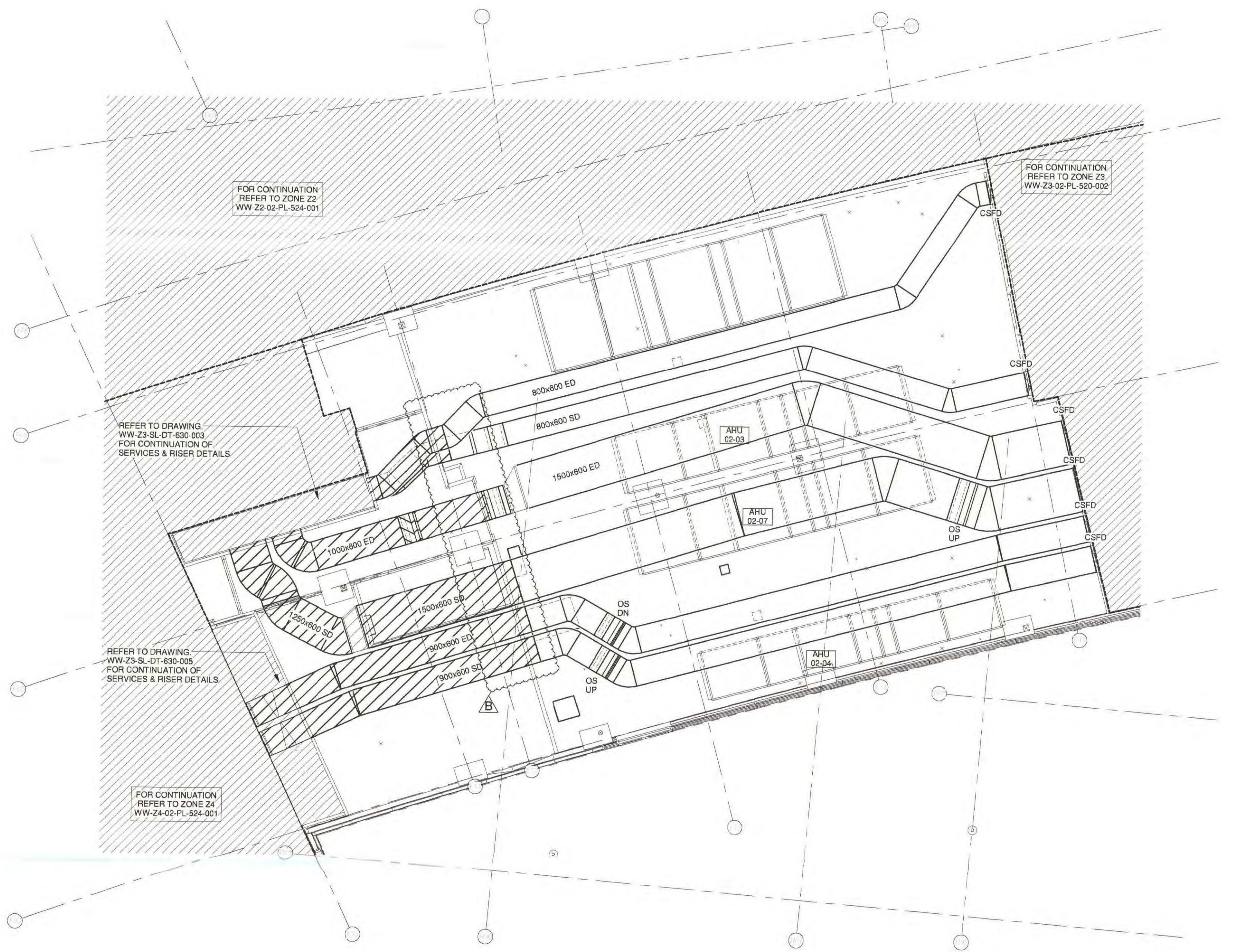
ITEM	COMMENT	RESPONSE
1.	STATUS A	NO COMMENT

* COMMENTS BASED ON WW-23-02-PL-520-003 Rev 1 - STATUS A.

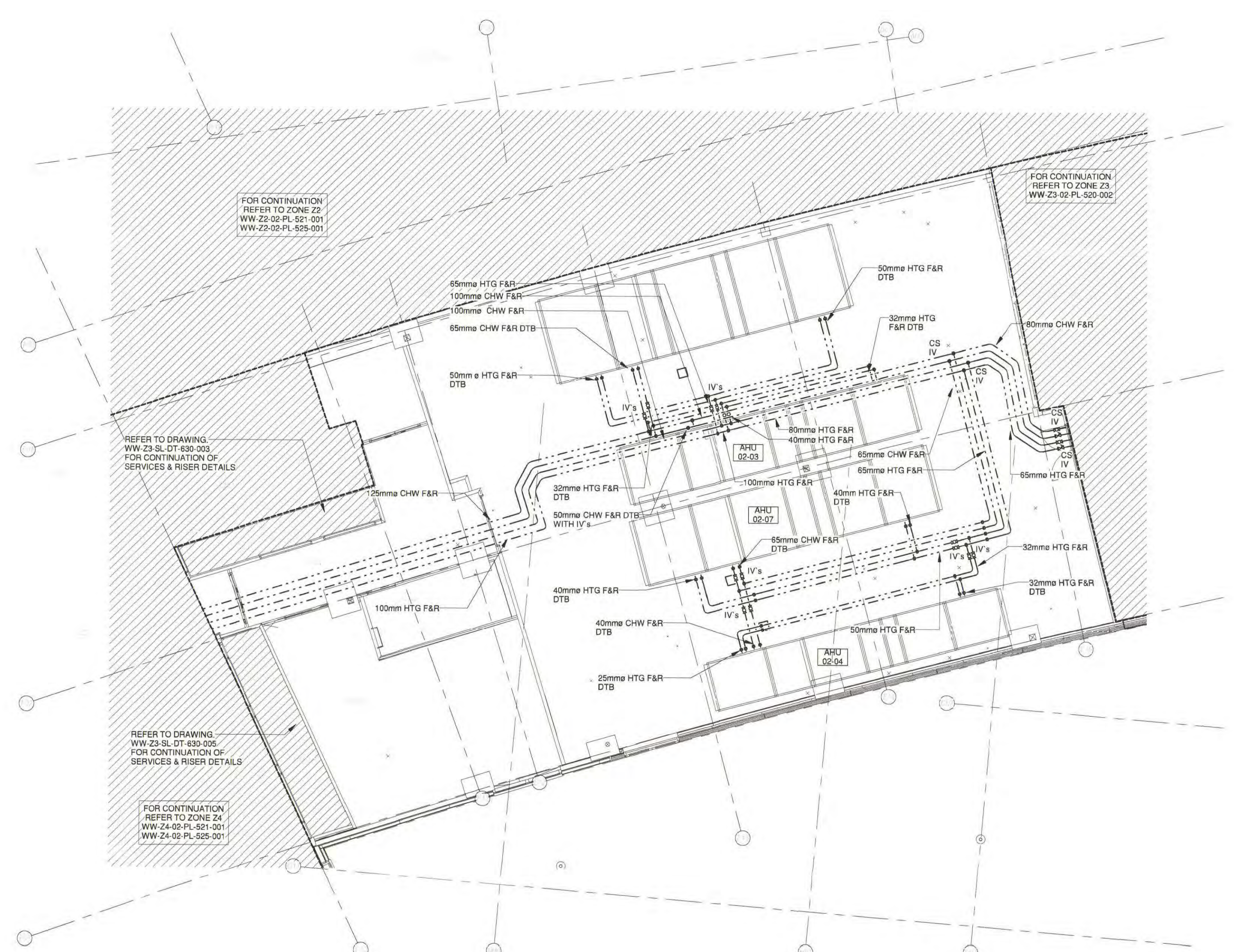


- LEGEND**
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - AFS - AIR PRESSURE STABILISER
 - MSD - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - ISO DE - DIRTY ISOLATION EXTRACT
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 - RTA - RISE TO ABOVE
 - OS - OFFSET (UP OR DOWN)
 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - DTG - DOOR TRANSFER GRILLE
 - HTG - HEATING
 - CHW - CHILLED WATER
 - FLW & RETURN - FLOW & RETURN
 - IV - ISOLATION VALVE
 - CS - COMMISSIONING SET
 - DOC - DRAIN OFF COCK
 - PICV - PRESSURE INDEPENDENT CONTROL VALVE WITH AUTOMATIC ISOLATING VALVE
 - ST - STRAINER
 - NCV - NORMALLY CLOSED ISOLATING VALVE

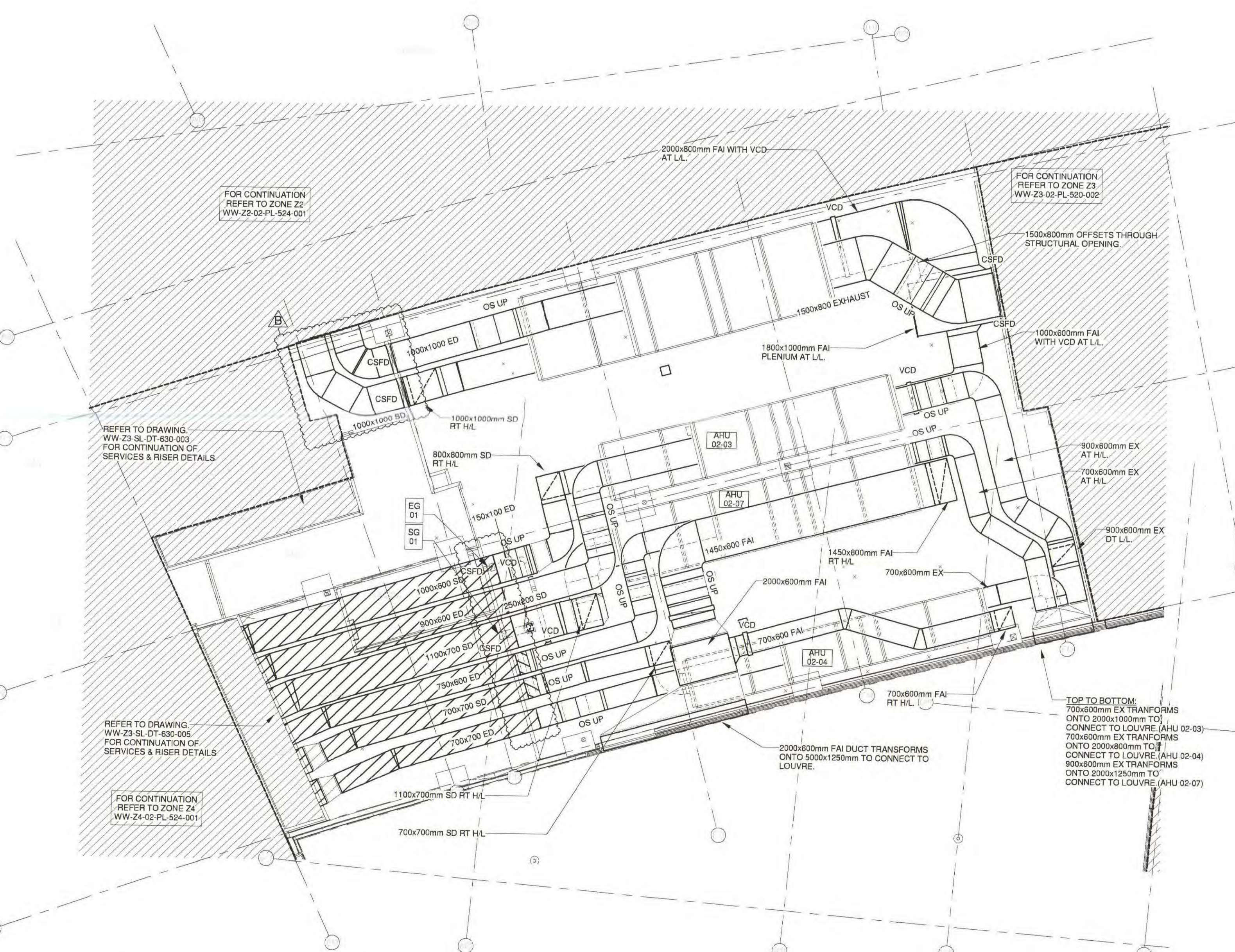
- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATING FLOORING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTIONS OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE BSFM 03-01.
 - SYSTEM FLOW TEMPERATURES TO BE 80°C FLOW & 60°C RETURN FOR CHW CIRCUIT SERVING AREA.
 - AUTOMATIC AIR VENTS TO BE FITTED AT ALL HIGH POINTS IN THE SYSTEM & DRAIN COCKS AT ALL LOW POINTS IN THE SYSTEM.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - CONTRACTOR TO MAKE ADEQUATE PROVISION FOR EXPANSION & CONTRACTION OF PIPEWORK.



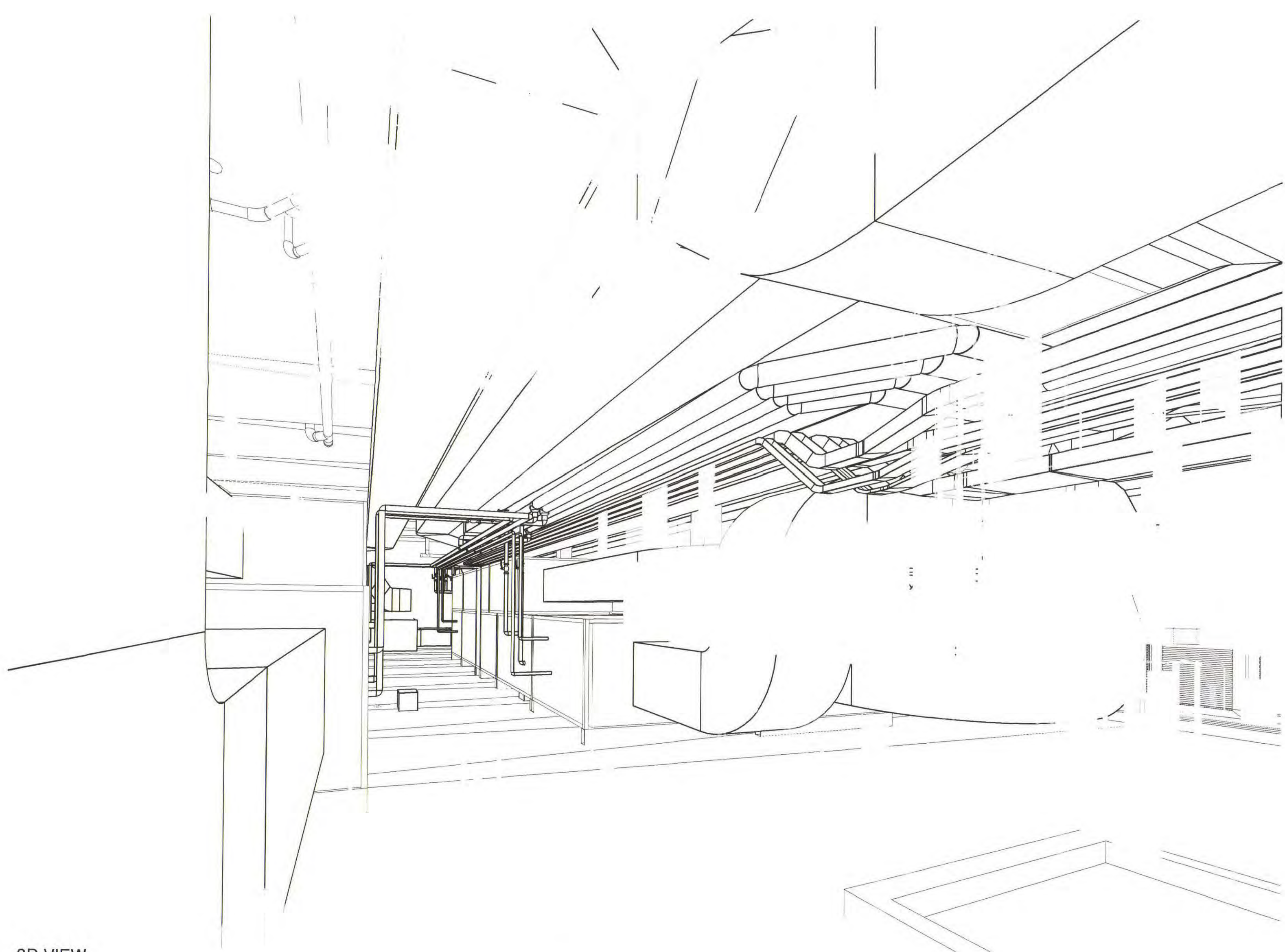
LEVEL 02 PLANTROOM - HIGH LEVEL VENTILATION
1:100



LEVEL 02 PLANTROOM - HEATING & CHILLED WATER PIPEWORK LAYOUT
1:100



LEVEL 02 PLANTROOM - LOW LEVEL VENTILATION
1:100



3D VIEW

RDD

Name: P. Coled

Date: 15/10

Scale: A

Brookfield ESM

Electrical Design Review

Date: 16/02/17

Revisions

Rev	Issue	AW	JS	BR
B	2016 DRAWING UPDATED IN LINE WITH 2016 CURRENT FIRE STRATEGY. COFFERS OMITTED. FIRE RATED DUCTWORK EXTENDED BEYOND PLANTROOM IN LIEU OF COFFERS.	AW	JS	BR
A	03/16 DRAWING UPDATED TO REFLECT 2016 PLANTROOM CO-ORDINATION. FIRE RATED SUJ DUCTWORK STRATEGY REVISED. CSFD'S ADDED.	AW	JS	BR
1	03/16 T1 RDD ISSUE	AW	JS	BR

Re-provision of RHSC and DCN at Little France

Client



Title
ZONE 3 - LEVEL 02 VENTILATION PLANTROOM LAYOUT SHEET 1

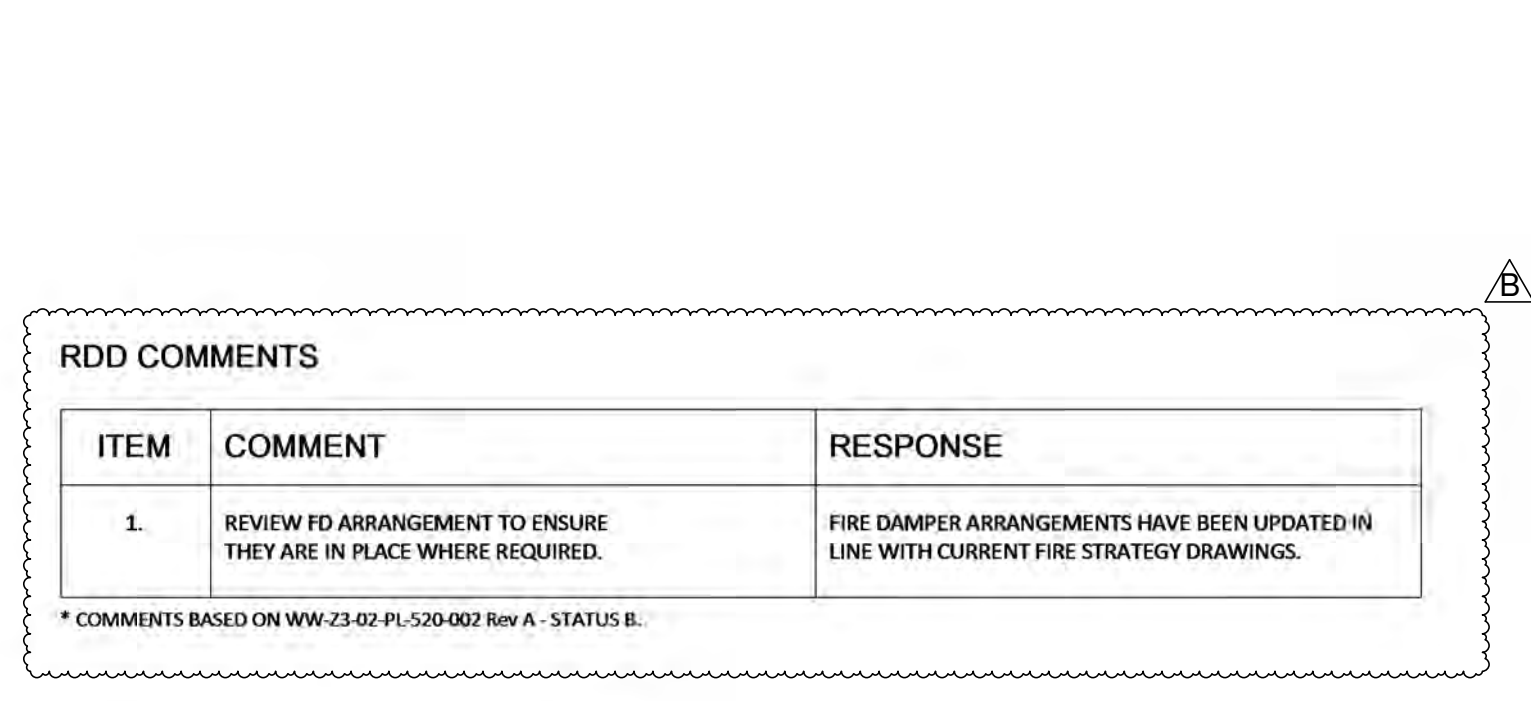
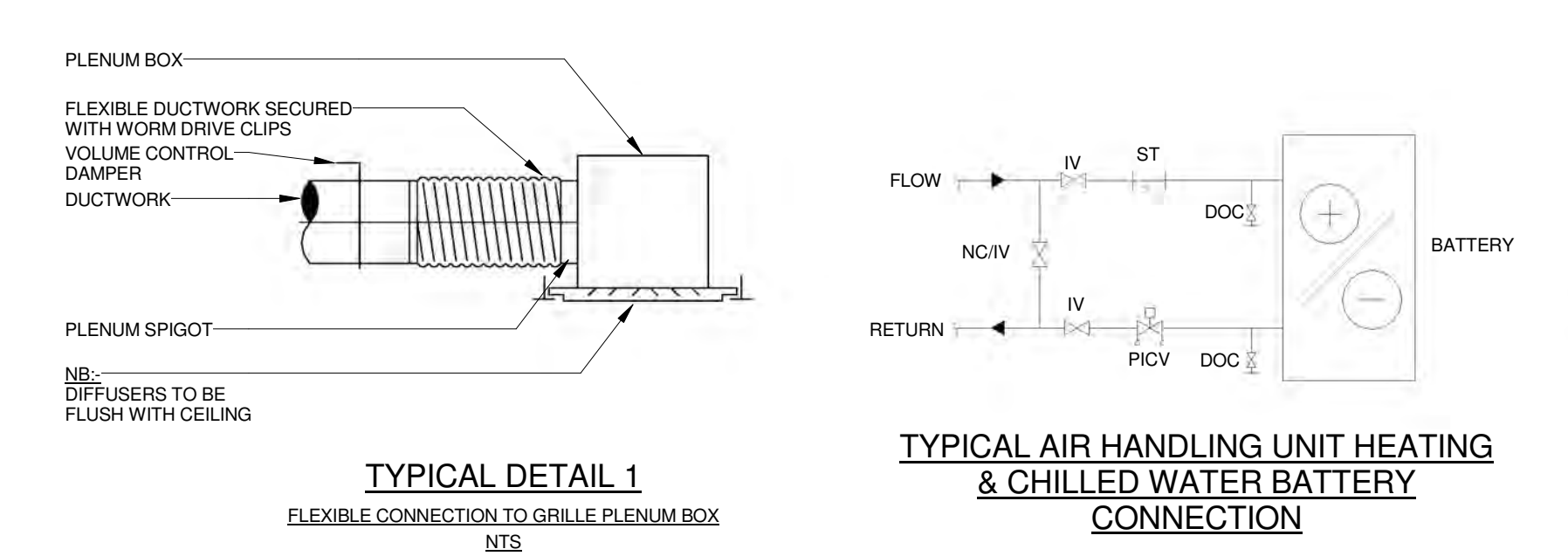
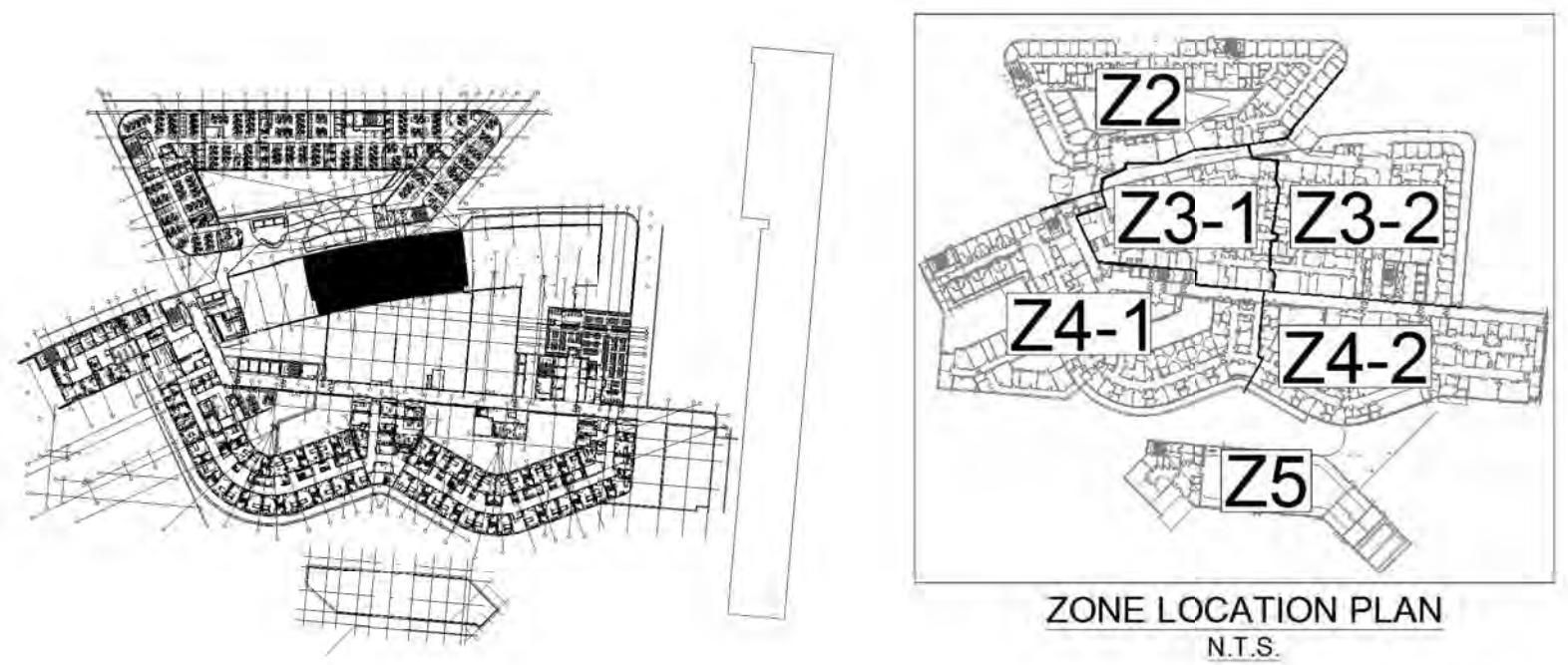
Drawing No. WW-23-02-PL-520-001

Revision B

Scale @ A0 Date
As indicated DEC 2015

Status
CONSTRUCTION

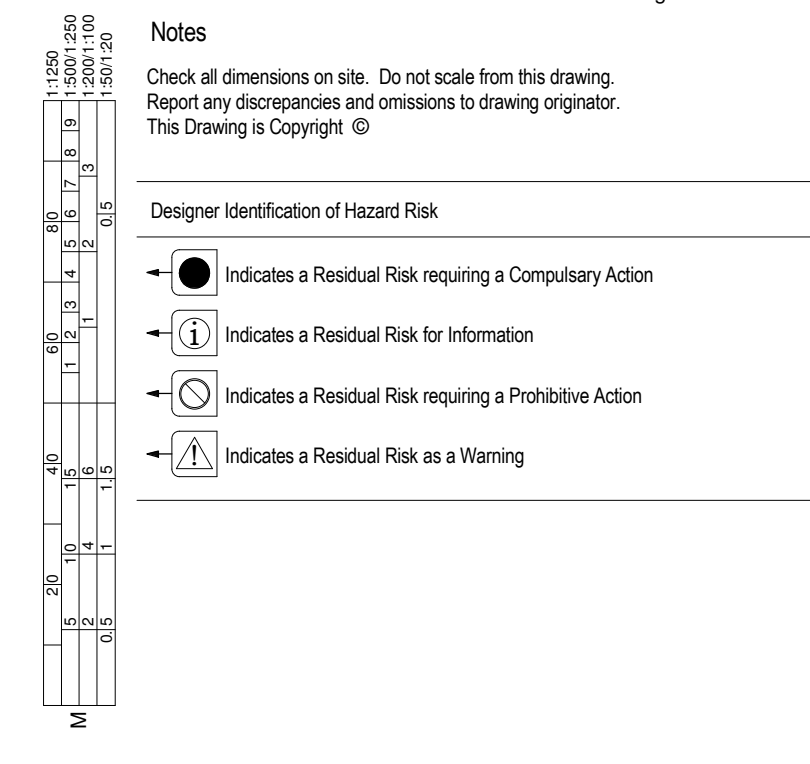




RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	REVIEW FD ARRANGEMENT TO ENSURE THEY ARE IN PLACE WHERE REQUIRED.	FIRE DAMPER ARRANGEMENTS HAVE BEEN UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWINGS.

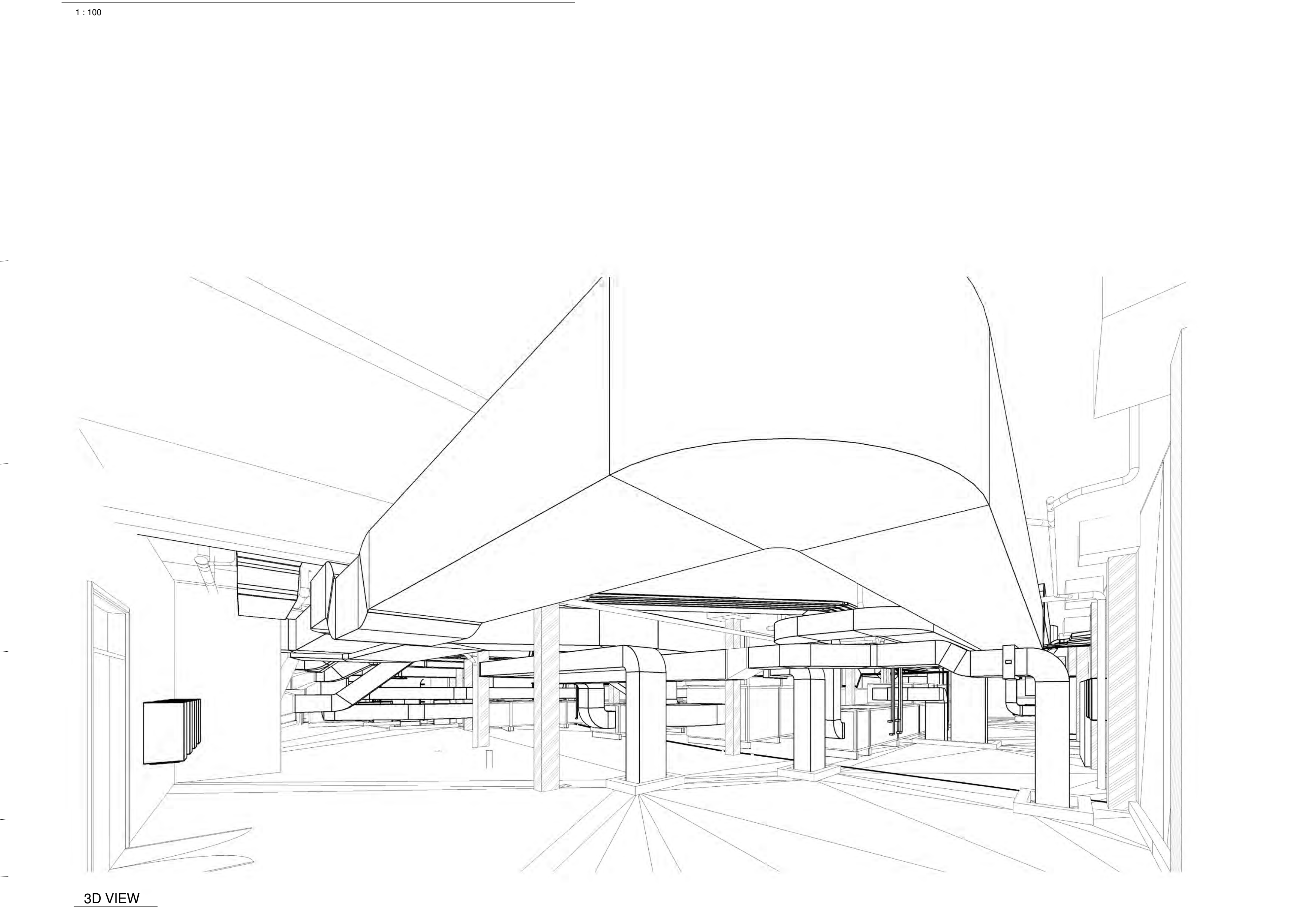
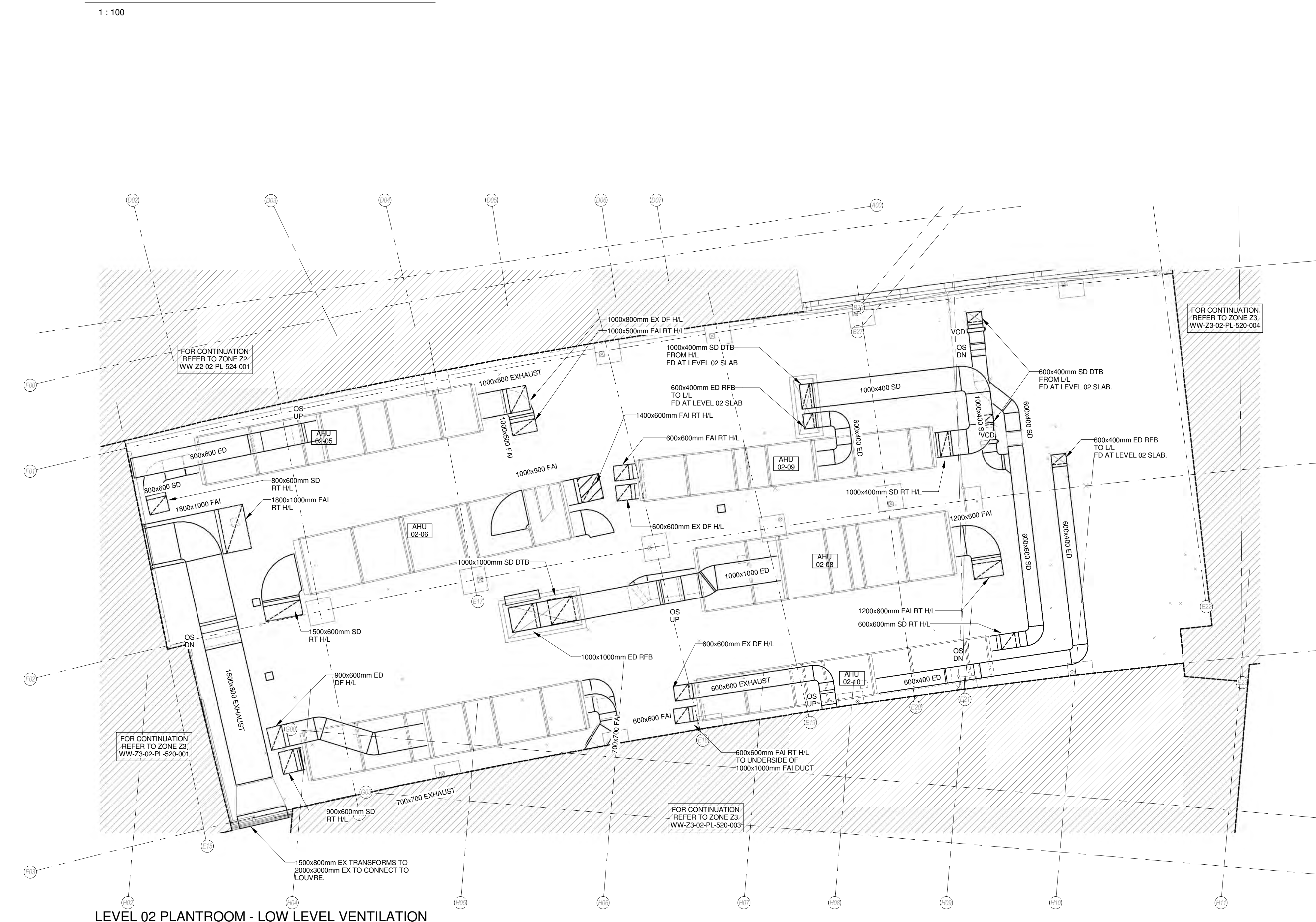
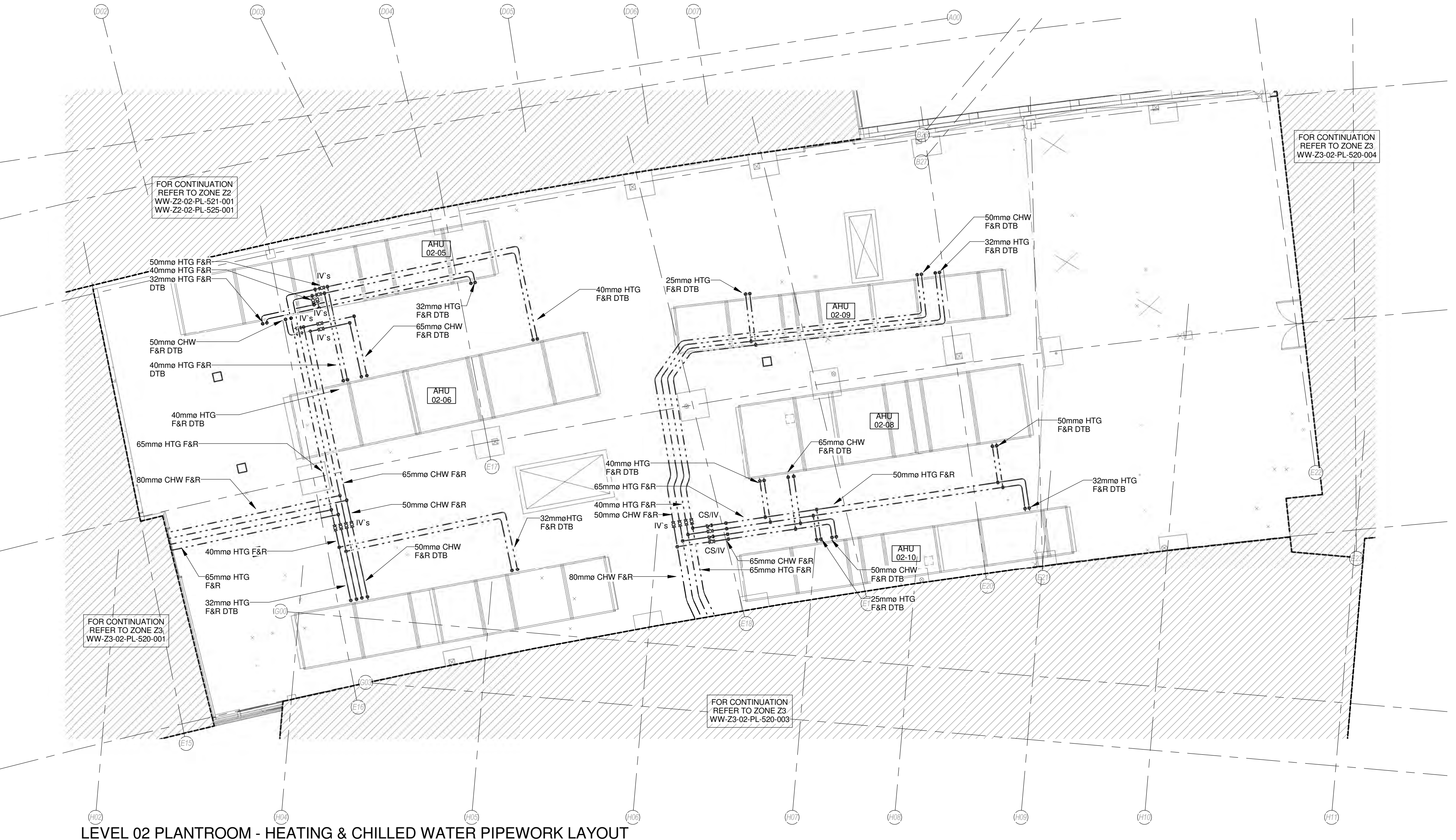
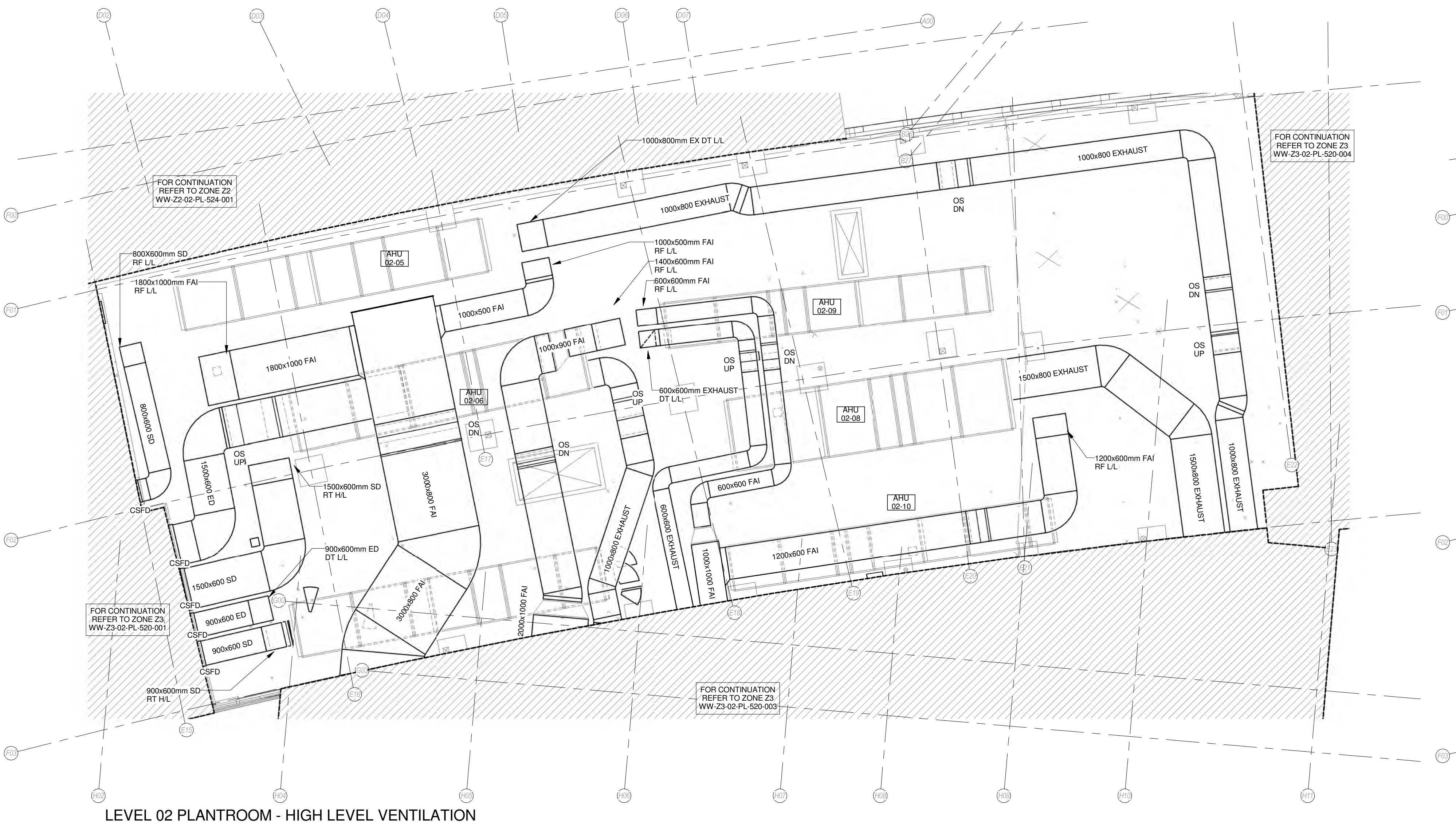
COMMENTS BASED ON WW-Z3-02-PL-520-002 Rev A - STATUS B.



LEGEND

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- ISO DE - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KED - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- AHU - AIR HANDLING UNIT
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
- DTLL - DROP TO LOW LEVEL
- RTHL - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET (UP OR DOWN)
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVD - CONSTANT VOLUME DAMPER
- DTG - DOOR TRANSFER GRILLE
- FDW - FIRE RATED DUCTWORK
- HTG - HEATING
- CHW - CHILLED WATER
- FAR - FLOW & RETURN
- IV - ISOLATION VALVE
- CS - COMMISSIONING SET
- CCC - CLEAN OFF COOK
- PCIV - PRESSURE INDEPENDENT CONTROL VALVE AND AUTOMATIC BALANCING VALVE WITH TAPPING POINTS
- ST - STRAINER
- NCIV - NORMALLY CLOSED ISOLATING VALVE

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPIGOT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS 0391. COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW144.
 - SYSTEM LTHW TEMPERATURES TO BE 80°C FLOW & 60°C RETURN FOR CT CIRCUIT SERVING AHUs.
 - AUTOMATIC AIR VENTS TO BE FITTED AT ALL HIGH POINTS IN THE SYSTEM & DRAIN COCKS AT ALL LOW POINTS IN THE SYSTEM.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - CONTRACTOR TO MAKE ADEQUATE PROVISION FOR EXPANSION & CONTRACTION OF PIPEWORK.



Revisions

Rev	Date	Description	By	App'd
B	03/03/2017	RDD STATUS B COMMENTS INCORPORATED	DMW	JSJ
A	03/08/2016	DRAWING UPDATED TO REFLECT 2016 PLANTROOM COORDINATION, CSFD & AND SJ	AW	LXT
1	10/03/2016	T1 RDD ISSUE	AW	JSJ

Project
Client: **NHS Lothian**

Re-provision of RHSC and DCN at Little France

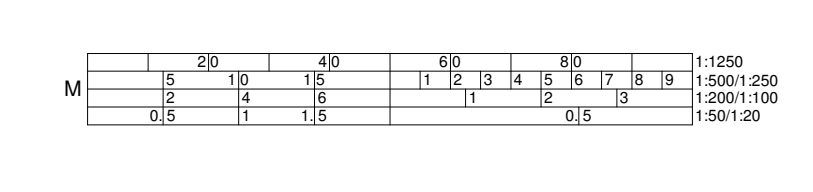
Title: **ZONE 3 - LEVEL 02 VENTILATION PLANTROOM LAYOUT SHEET 2**

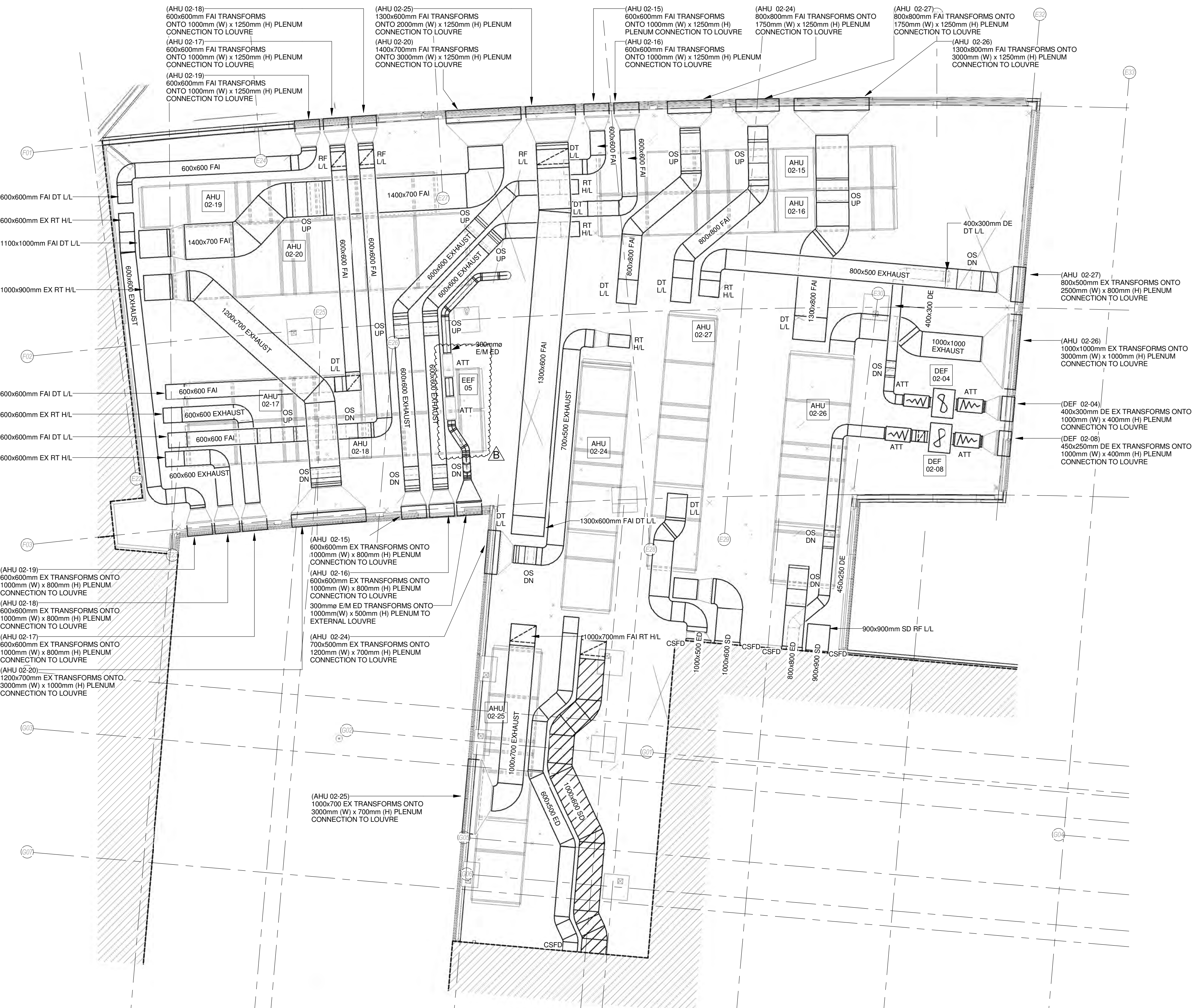
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Scale: **@ A0** Date: **DEC 2015**

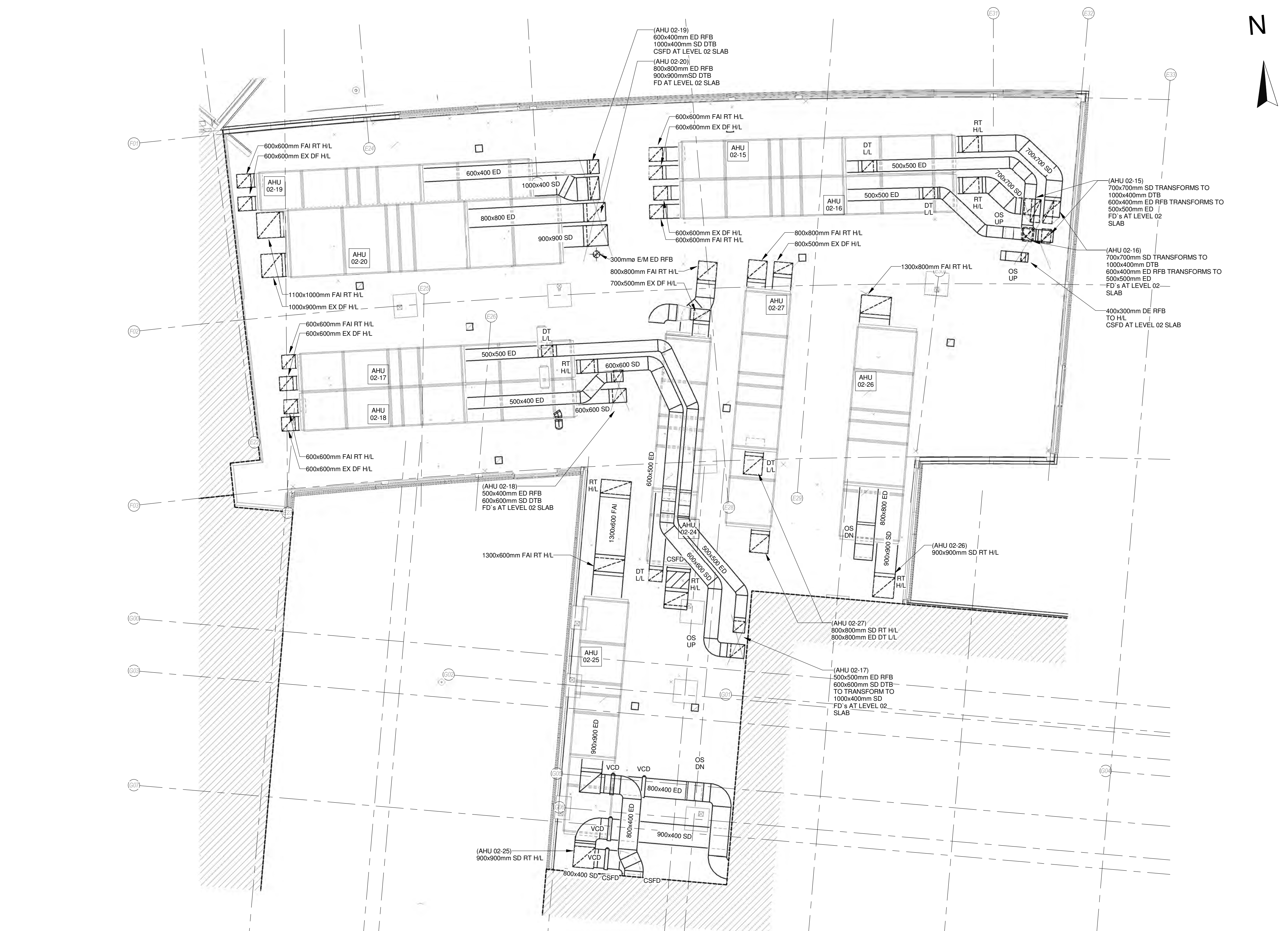
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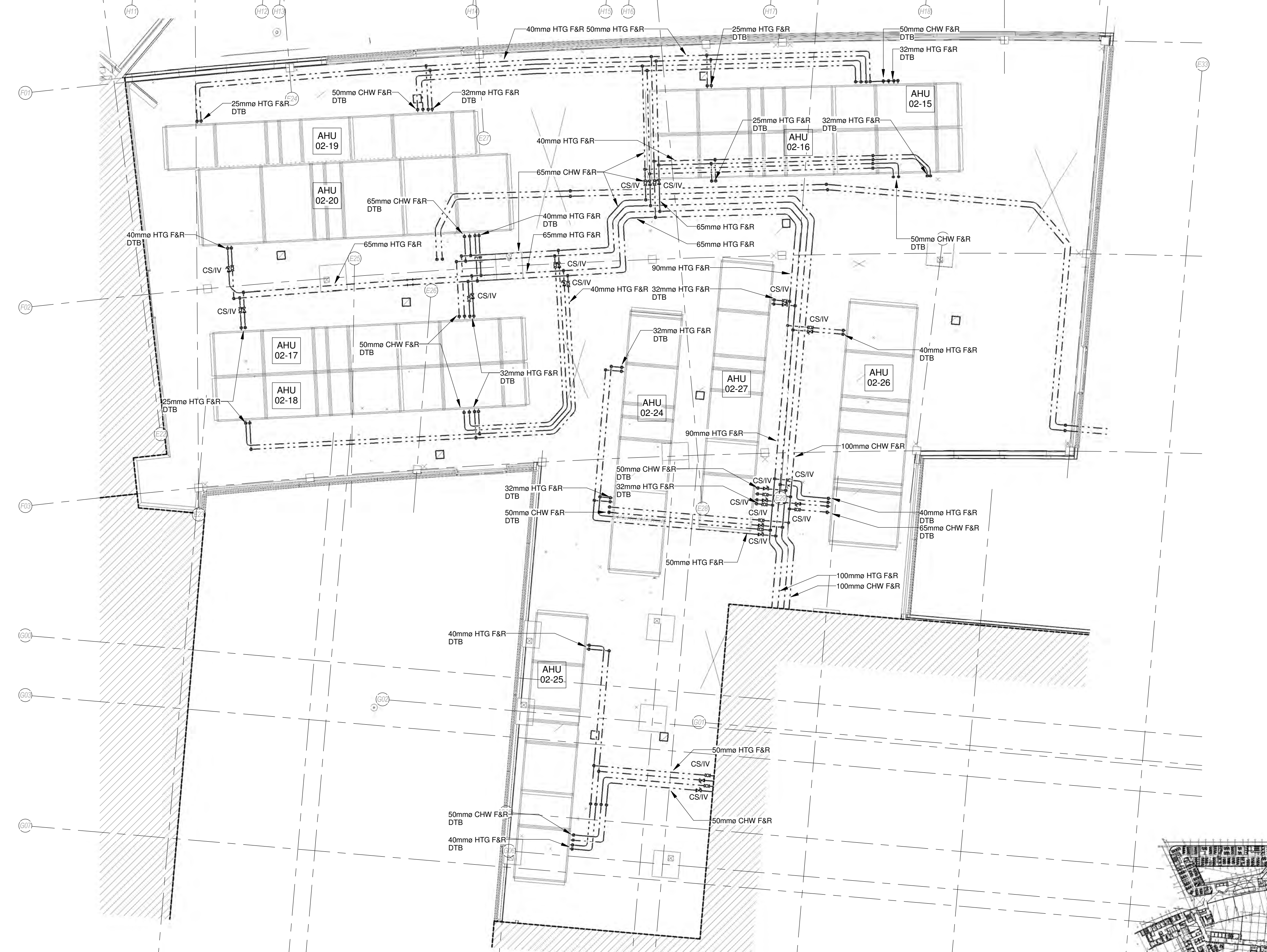




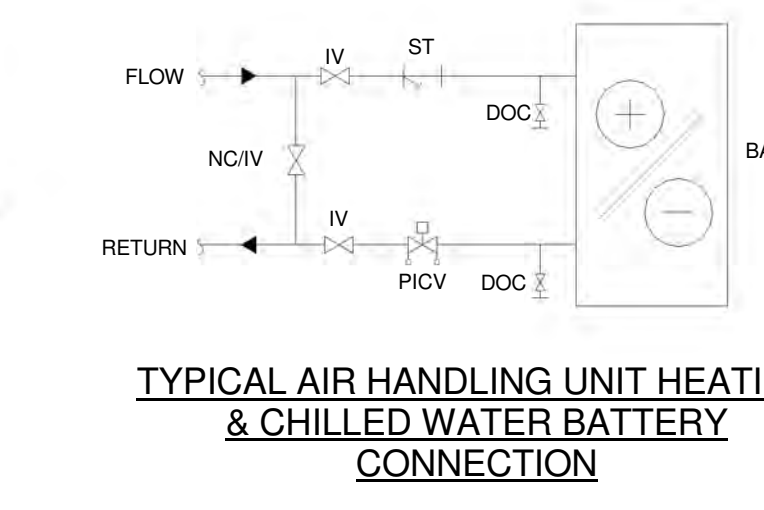
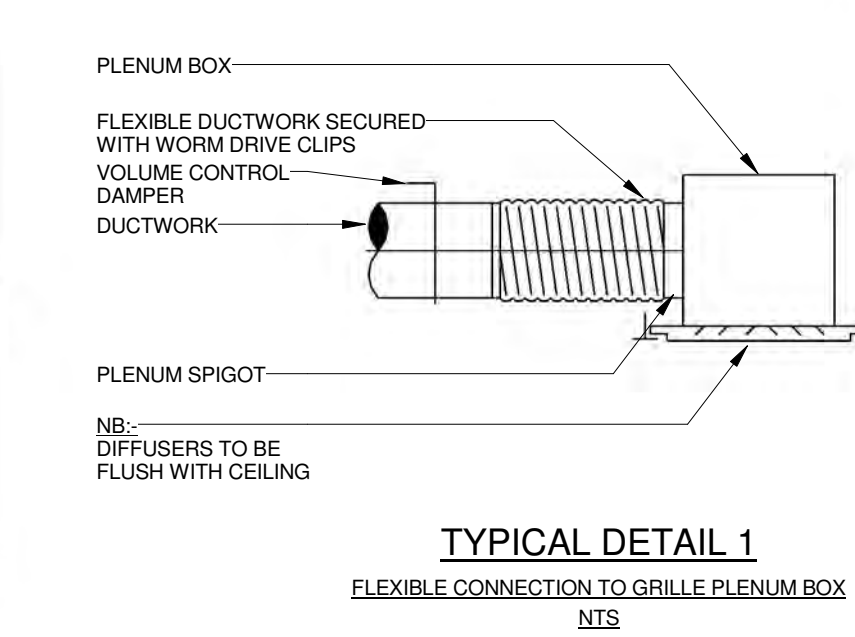
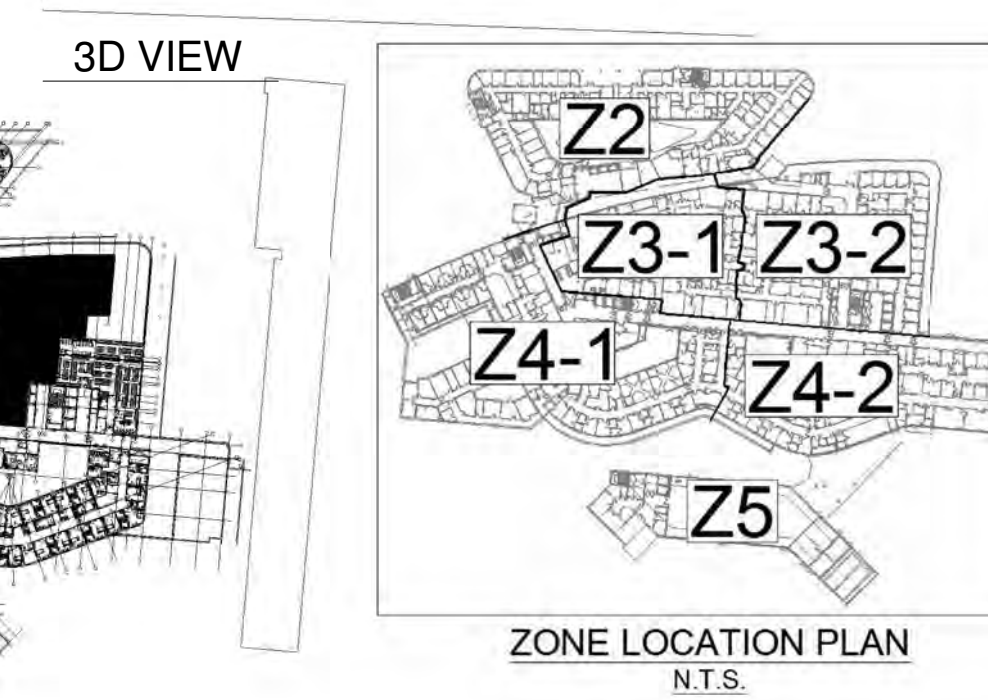
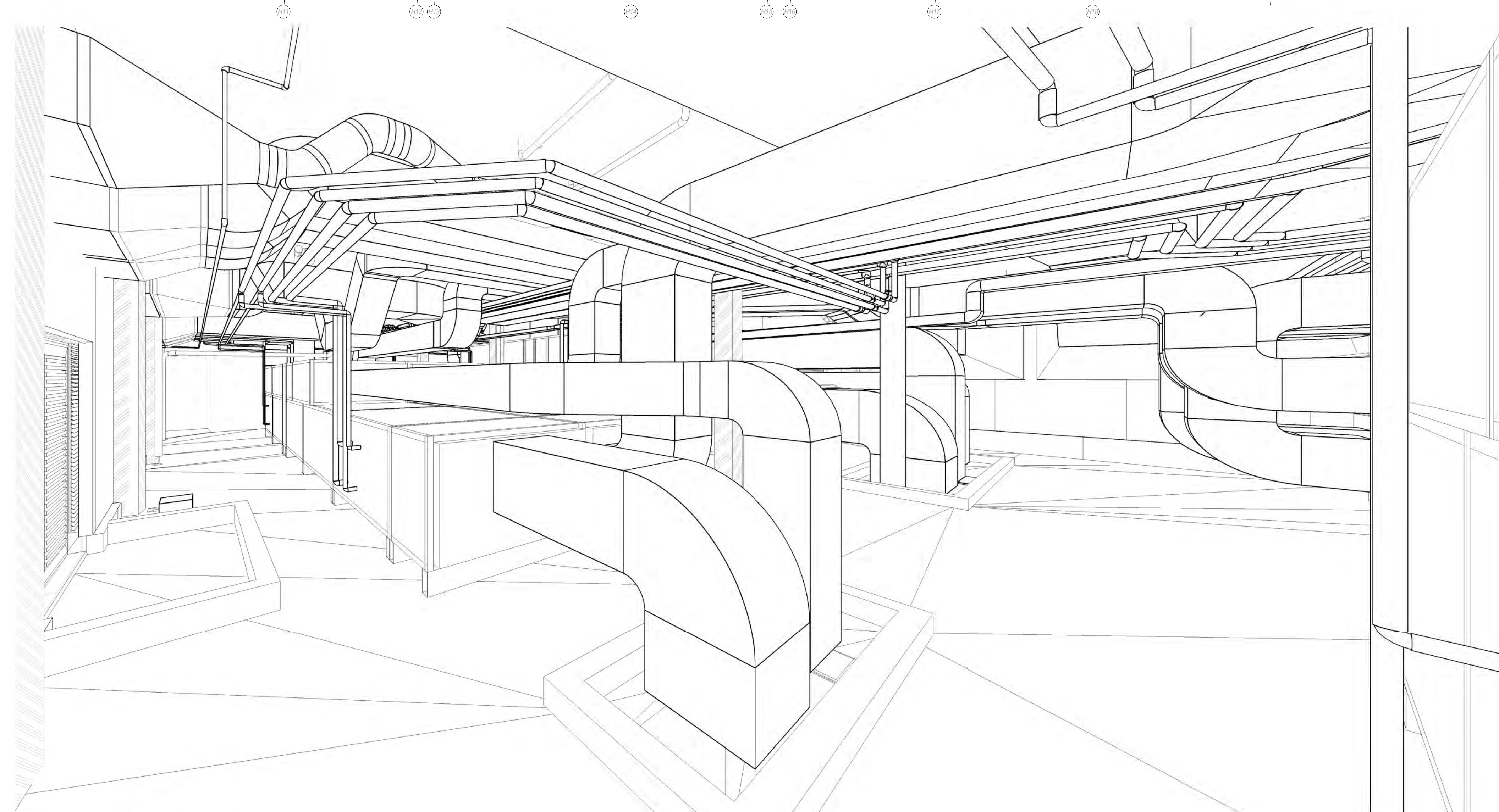
LEVEL 02 PLANTROOM - HIGH LEVEL VENTILATION
1:100



LEVEL 02 PLANTROOM - LOW LEVEL VENTILATION
1:100



LEVEL 02 PLANTROOM - HEATING & CHILLED WATER PIPEWORK LAYOUT
1:100



Notes
Check all dimensions on site. Do not scale from this drawing.
Repeat all dimensions and dimensions to drawing originator.
This Drawing is Copyright ©

Designer Identification of Hazard Risk

- Indicates a Residual Risk requiring a Compulsory Action
- Indicates a Residual Risk for Information
- ⊖ Indicates a Residual Risk requiring a Prohibitive Action
- ⊕ Indicates a Residual Risk as a Warning

LEGEND

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DGEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- ISO DE - DIRTY EXTRACT
- ISO DEE - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KED - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EXH - EXHAUST
- AHU - AIR HANDLING UNIT
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
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- RTHL - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET UP (OR DOWN)
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVD - CONSTANT VOLUME DAMPER
- DTG - DOOR TRANSFER GRILLE
- FRTG - FIRE RATED TRANSFER GRILLE
- HTG - HEATING
- CHW - CHILLED WATER
- F&R - FLOW & RETURN
- IV - ISOLATION VALVE
- CS - COMMISSIONING SET
- DOC - DRAIN OFF COCK
- PCV - PRESSURE INDEPENDENT CONTROL VALVE AND AUTOMATIC BALANCING VALVE WITH TAPPING POINTS
- ST - STRAINER
- NCV - NORMALLY CLOSED ISOLATING VALVE

NOTES

- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
- KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW17.
- COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
- ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPRIGOT.
- ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
- ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
- PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
- ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
- ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
- FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE SHTM 03.01.
- SYSTEM LTHW TEMPERATURES TO BE BIC FLOW & 60° C RETURN FOR 'CT' CIRCUIT SERVING AHU's.
- AUTOMATIC AIR VENTS TO BE FITTED AT ALL HIGH POINTS IN THE SYSTEM & DRAIN COCKS AT ALL LOW POINTS IN THE SYSTEM.
- ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
- CONTRACTOR TO MAKE ADEQUATE PROVISION FOR EXPANSION & CONTRACTION OF PIPEWORK.

Re-provision of RHSC and DCN at Little France

Client: NHS Lothian

Title: ZONE 3 - LEVEL 02 VENTILATION PLANTROOM LAYOUT SHEET 4

Revisions	Revision
B 03033 RFD STATUS B COMMENTS	SM / JS
2017 INCORPORATED. EEP 06 ADDED.	SJ / BR
A 03038 DRAWING UPDATED TO REFLECT	AW / LM
2018 PLANTROOM COORDINATION, D' & F&R AND FIRE RATED DUCTWORK	SJ / BR
UPDATED.	
1 2018 T1 RFD ISSUE	AW / JS
2018	JS / BR

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	REVIEW FD ARRANGEMENT TO ENSURE THEY ARE IN PLACE WHERE REQUIRED.	FIRE DAMPER ARRANGEMENTS HAVE BEEN UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWINGS.

* COMMENTS BASED ON WW-Z3-02-PL-520-004 Rev A - STATUS B.

Project: WW-Z3-02-PL-520-004

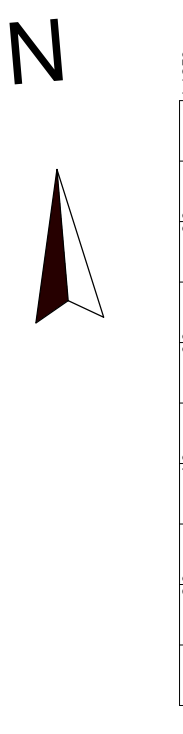
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Date: DEC 2015

Status: CONSTRUCTION

NHS Lothian

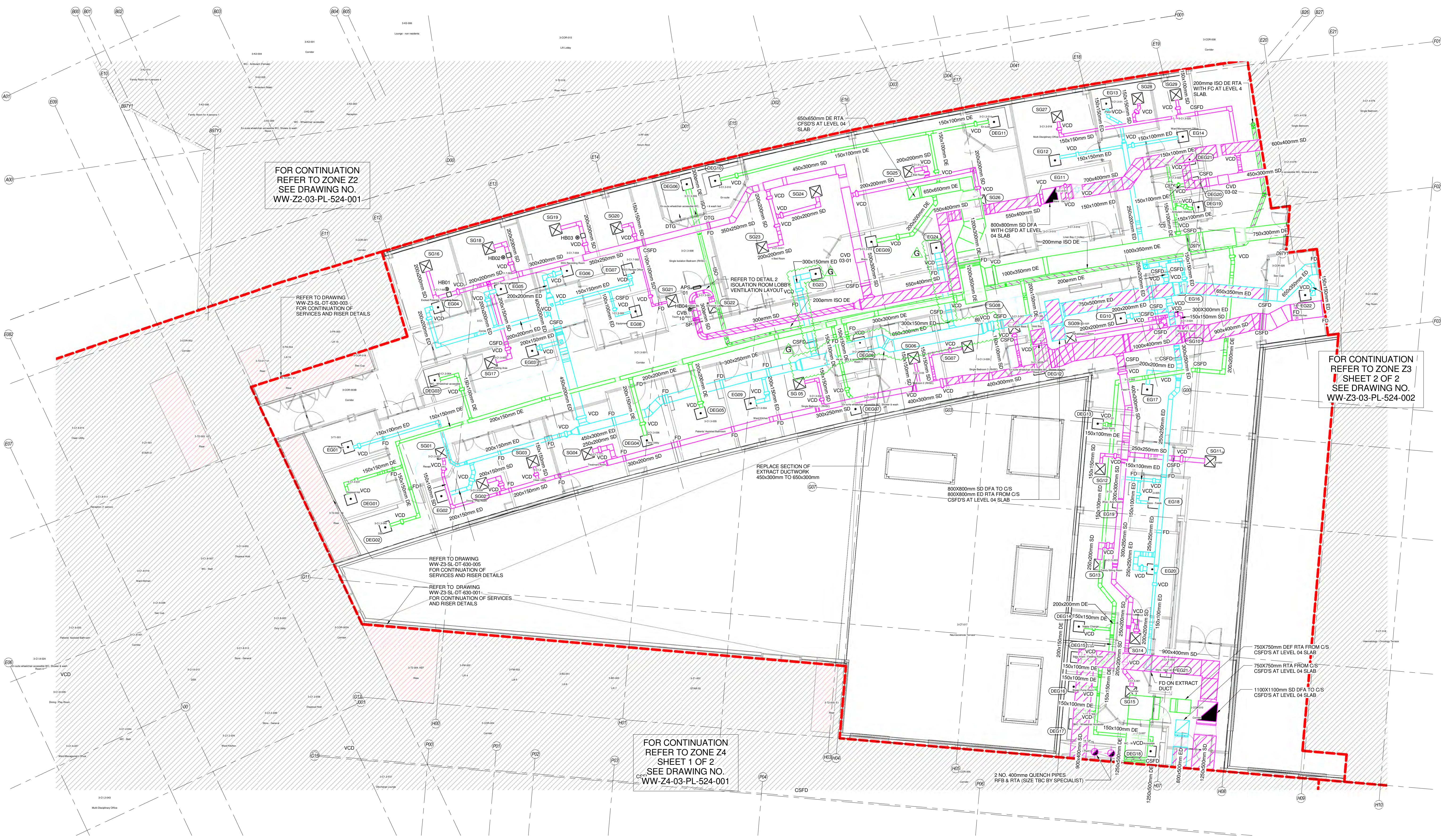
IHS LOTHIAN
INTEGRATED HEALTH SOLUTIONS



- Notes**
- Check all dimensions on site. Do not scale from this drawing.
Report any discrepancies and/or omissions to drawing originator.
The Drawing is Copyright ©
- Designer Identification of Hazard Risk**
- Indicates a Residual Risk requiring a Compulsory Action
 - Indicates a Residual Risk for Information
 - ⊕ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

- LEGEND**
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APD - AIR PRESSURE DAMPER
 - MD - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - ISO DE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
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 - DFA - DROP FROM ABOVE
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 - DTL - DROP TO LOW LEVEL
 - RTHL - RISE TO HIGH LEVEL
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 - OS - OFFSET (UP OR DOWN)
 - CTA - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - CVB - CONSTANT VOLUME BOX
 - DTG - DOOR TRANSFER GRILLE
 - FC - FIRE RATED DUCTWORK
 - FC - FIRE RATED FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE
 - SP - SPECTACLE PLATE

- NOTES**
1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
 2. KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW12.
 3. COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 4. ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH ENTRY SPOOT.
 5. ALL GRILLES TO BE FLEXIBLE POWER-CATED TO BS OR LRAL COLOUR APPROVED BY ARCHITECT.
 6. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 7. ALL WORKS & CONNECTIONS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 8. PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL SPECIFICATION.
 9. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 10. ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 11. FLEXIBLE DUCTINGS SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW14.
 12. ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED TO ENSURE CONTINGUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 13. SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINGUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 14. SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILIZED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 15. FUME CUPBOARD EXTRACT DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED COATED POLYMER CHLORIDE (UPVC) COMPLYING WITH HVCA DOCUMENT DW15A.
 16. ALL FUME CUPBOARDS TO BE SUPPLIED BY OTHERS.
 17. ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTENSIFIED COLLARS AS REQUIRED, THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECTS CURRENT FIRE STRATEGY.
 18. FUME CUPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 300mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS 1415.
 19. THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH BS EN 12101-1-1:2018 FOR HEALTH CARE PREMISES - PART 1 - DESIGN AND VALIDATION.



Rev	Description	Author	Check
G 01/25	GENERAL EXTRACT VENT INTRODUCED INTO ROOMS S/C 2-023 & 3-024 TO BALANCE A ROOM BALANCE	DM	BR
F 05/12	DRAWING UPDATED TO REFLECT CURRENT FIRE STRATEGY. TYPICAL DETAIL 2 UPDATED. VENTILATION TO ISOLATION SUITES UPDATED.	DM	SJ
E 29/7	VENTILATION DUCTWORK REVISED WITH ALTERNATIVE SOLUTION ROOM VENTILATION SCHEME. MERCURY COMMENTS INCORPORATED.	DM	SJ
D 23/6	VENTILATION DUCTWORK REVISED WITH ALTERNATIVE ISOLATION ROOM VENTILATION SCHEME.	DM	BR
C 05/2	ISSUED AT REVISION C	DM	BR
B 18/1	ISSUED FOR BUILDING WARRANT	DM	BR
A 07/10	ISSUED AT REVISION A	DM	BR

Re-provision of RHSC and DCN at Little France

Client

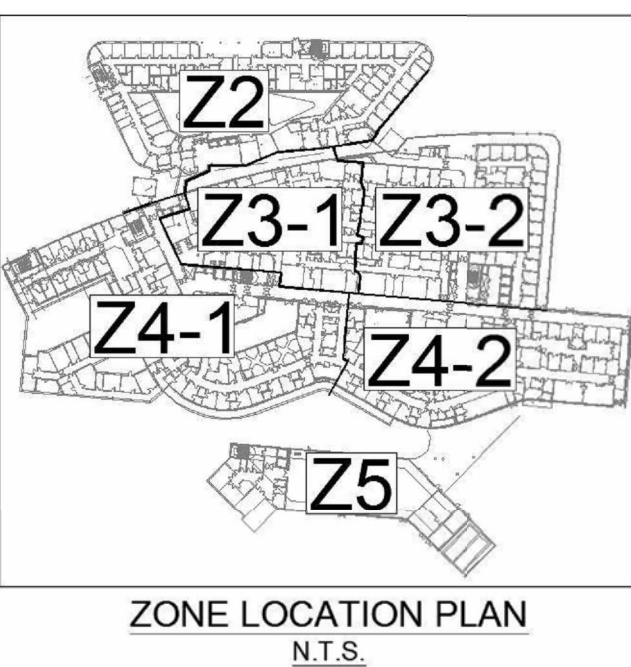


Title
Zone Z3 - LEVEL 03 VENTILATION DISTRIBUTION SHEET 1 OF 2

Drawing No. **WW-Z3-03-PL-524-001** Revision **G**

Scale @ A0 Date **JAN. 2015**

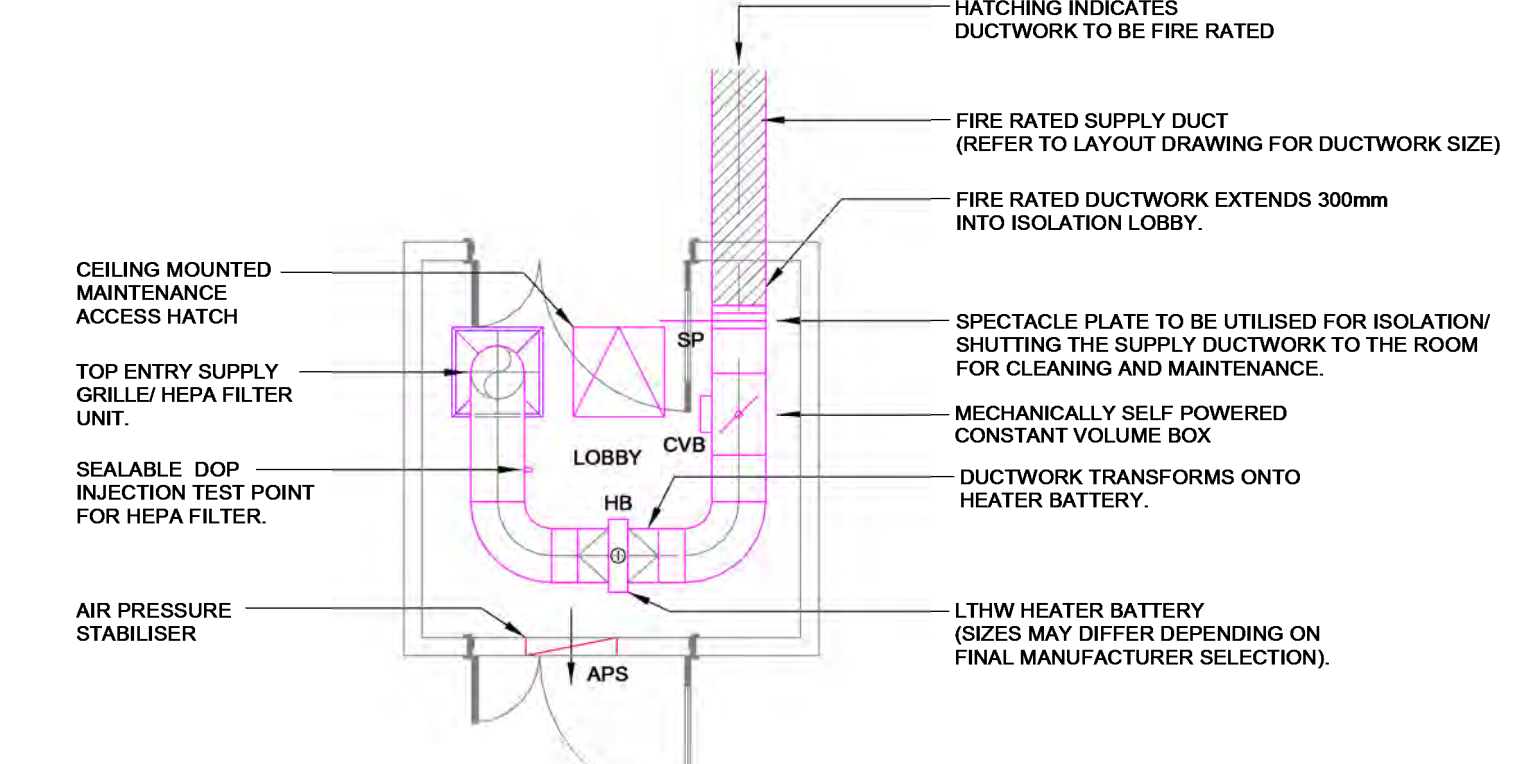
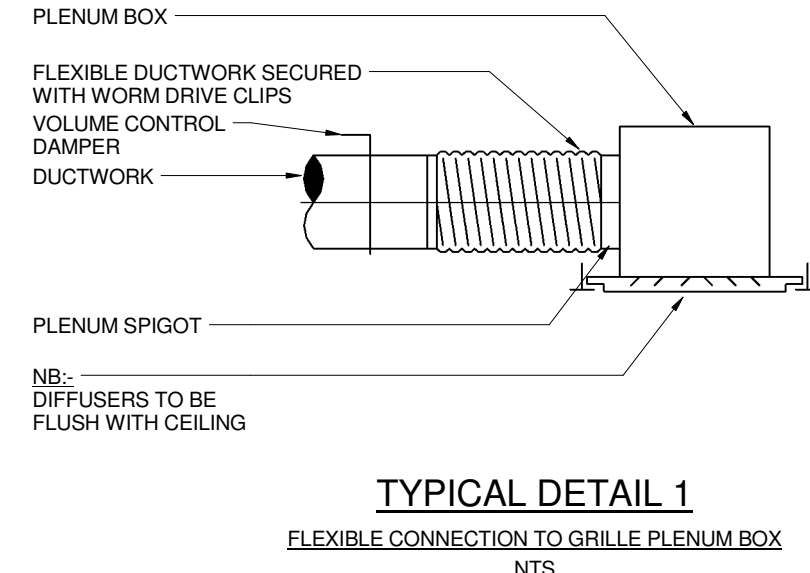
Status **CONSTRUCTION**



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NO COMMENTS	STATUS A

* COMMENTS BASED ON WW-Z3-03-PL-524-001 Rev E - STATUS A.



- LEGEND**
- BS - SUPPLY GRILLE
 - ES - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - MC - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - DEI - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
 - AWU - AIR HANDLING UNIT
 - DPA - DROP FROM ABOVE
 - DFD - DROP TO BELOW
 - DTL - DROP TO LOW LEVEL
 - DTLH - RISE TO HIGH LEVEL
 - RFB - RISE FROM BELOW
 - RFA - RISE FROM ABOVE
 - OSA - OFFSET UP OR DOWN
 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVB - CONSTANT VOLUME DAMPER
 - CWB - CONSTANT VOLUME BOX
 - DTG - DOOR TRANSFER GRILLE
 - DTD - FIRE RATED DUCTWORK
 - ICL - INTUMESCENT FIRE COLLAR
 - ICZ - DOOR TRANSFER GRILLE
 - OTG - UPVC DUCTWORK
 - SP - SPECTACLE PLATE

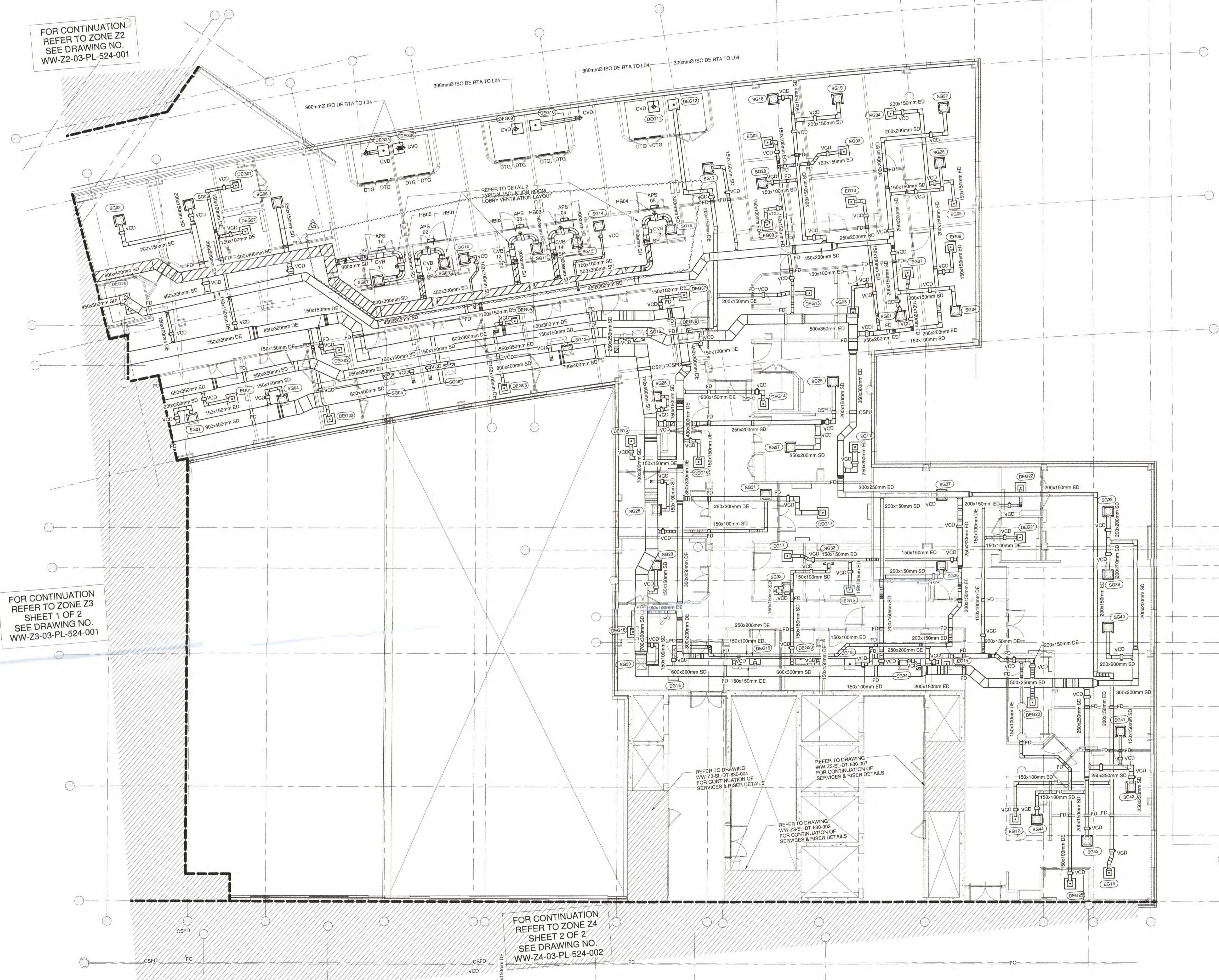
- NOTES**
1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DATA.
 2. KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DATA.
 3. COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL, STRUCTURAL WALLS SHALL BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 4. ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPIGOT.
 5. ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 6. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 7. ALL WORKS & COMPONENTS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 8. PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING INTO ACCOUNT THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL SPECIFICATION.
 9. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 10. ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 11. FIRE RATED DUCTWORK SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH BS 5422.
 12. ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 13. SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTAGIOUS OPERATOR DURING FIRE ALARM ACTIVATION.
 14. SUPPLY DUCTWORK BRANCH SERVING ROOMS WITH ISOLATION ROOMS SHALL BE FITTED WITH A COMBINED SMOKE & FIRE DAMPER AT ENTRY TO THE ROOM DOWN FOR TO BE USED FOR BATTERIES THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 15. DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYMER, CHLORIDE PVC COMPLYING WITH HCO DOCUMENT DATA.
 16. ALL FLAME CUPBOARDINGS TO BE SUPPLIED BY OTHERS.
 17. ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED INTUMESCENT FIRE COLLARS AS REQUIRED THROUGH BOTH WALLS & SLAB. TO BE INSTALLED THROUGH ARCHITECTS CURTAIN FIRE STRIP WITH INTUMESCENT FIRE STOPPING.
 18. FLAME CUPBOARDING TO BE INSTALLED IN ACCORDANCE WITH BS EN 14175.
 19. THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH DATA VENTILATION IN THESE PREMISES. PART A. DESIGN AND VALIDATION.

SAME COMMENTS AS PER SHEET 1 OF 2.

FOR CONTINUATION REFER TO ZONE Z2 SEE DRAWING NO. WW-Z2-03-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-Z3-03-PL-524-001

FOR CONTINUATION REFER TO ZONE Z4 SHEET 2 OF 2 SEE DRAWING NO. WW-Z4-03-PL-524-002



RDD
 Name: B. CURRIE
 Date: 12/1/17
 AS PER TO NON-TRANSMIT-001/1
 014655

Brookfield BIM
 Building Information Modelling
 For Construction Documents
 (BIM) (AEC) (UK)

Rev	Description	By	Date
G	0512 DRAWING UPDATED TO REFLECT 2016 CURRENT FIRE STRATEGY. TYPICAL ISOLATION ROOMS VENTILATION TO DETAIL 2 UPDATED.	DM	15/11/17
F	2507 VENTILATION DUCTWORK SERVING ISOLATION ROOMS VENTILATION SCHEME. MECHANICAL VENTILATION SCHEME INCORPORATED.	AW	15/11/17
E	2306 VENTILATION DUCTWORK SERVING ISOLATION ROOMS VENTILATION SCHEME.	AW	15/11/17
D	1803 ISSUED AT REVISION D	AW	15/11/17
C	0403 ISSUED AT REVISION C	DM	15/11/17
B	1801 ISSUED FOR BUILDING WARRANT	DM	15/11/17
A	1509 ISSUED AT REVISION A	DM	15/11/17
1	0508 TT RDD ISSUE	DM	15/11/17

Re-provision of RHSC and DCN at Little France



Zone Z3 - LEVEL 03 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No. WW-Z3-03-PL-524-002

Scale @ A0 Date JAN. 2015

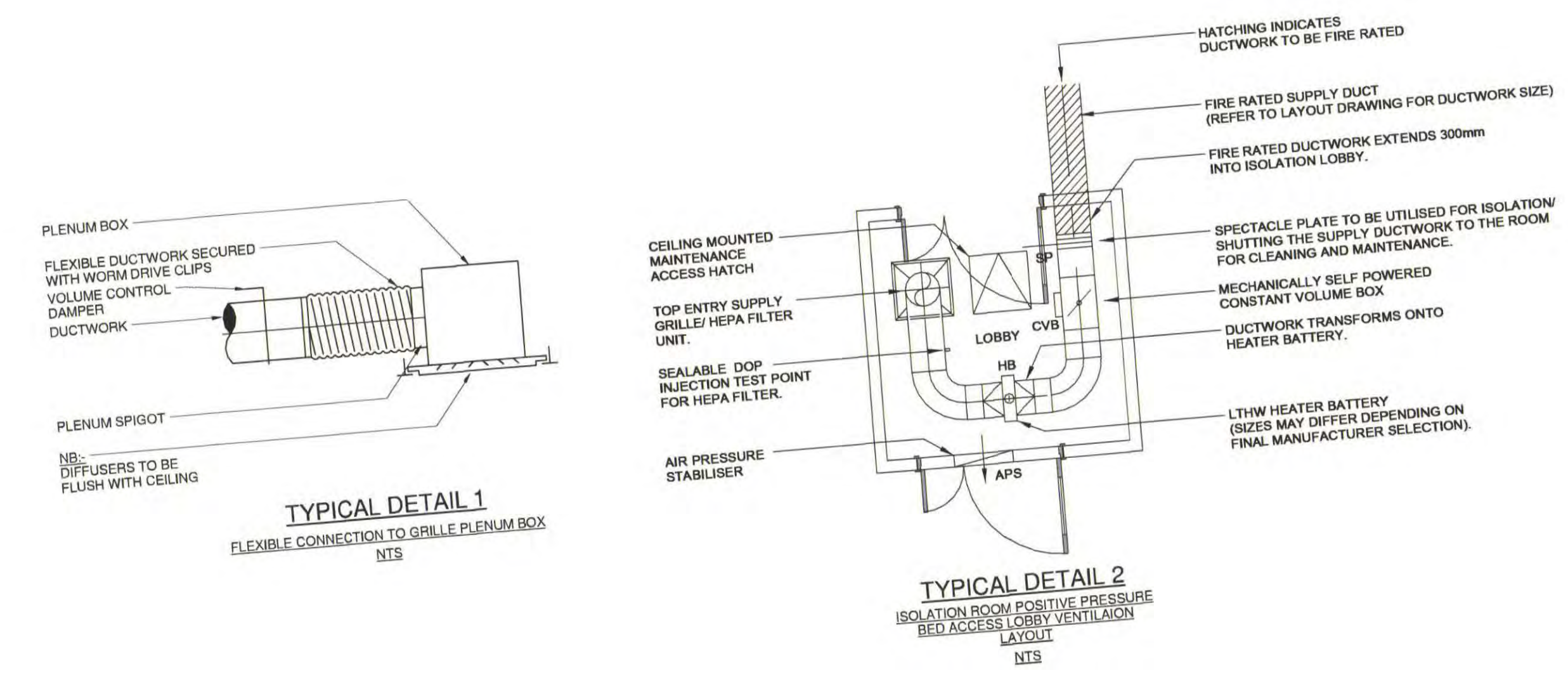
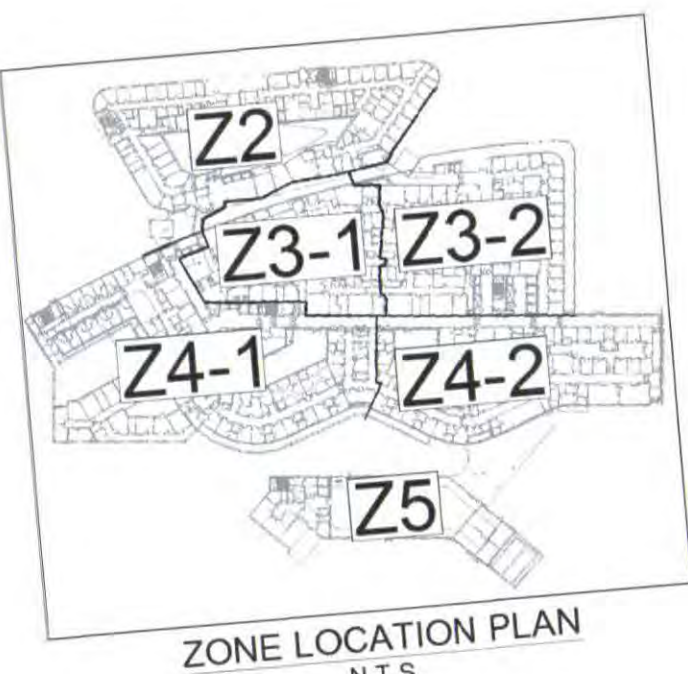
Status As indicated CONSTRUCTION



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	5012 ON DRAWING APPEARS TO CONFLICT WITH DESCRIPTION ON S4-234-004. DRAWING SHOWS AREA AS TOUCHDOWN BASE 1. SCHEDULE SHOWS IT AS TRUSSLY BAY. NEITHER SHOW AIR AS TAKEN FROM FROM FIREPROOF DUCT SERVING ISOLATION ROOMS AND IS NOT SHOWN TO HAVE HEPA FILTER.	SCHEDULE WILL BE UPDATE TO REFLECT ROOM NAME AS TOUCHDOWN BASE 1. DUCTWORK BRANCH IS TAKEN FROM NON FIRE RATED DUCT RUNNING ALONGSIDE DEDICATED FIRE RATED ISOLATION BRANCH. NO REQUIREMENT FOR HEPA FILTER.

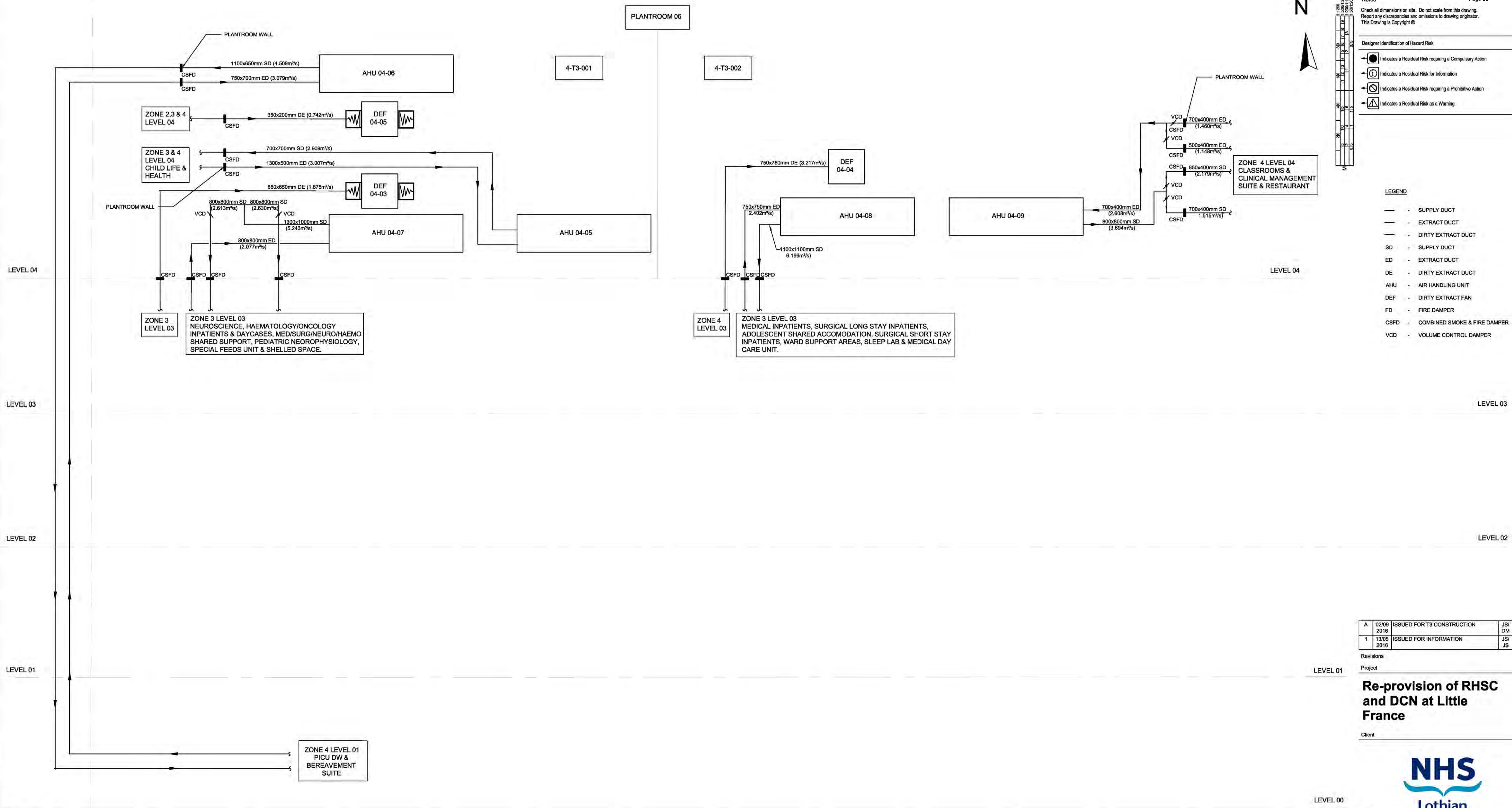
* COMMENTS BASED ON WW-Z3-03-PL-524-002 Rev F - STATUS B.



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- Designer Identification of Hazard Risk
- ⊗ Indicates a Residual Risk requiring a Compulsory Action
 - ⓘ Indicates a Residual Risk for Information
 - ⊘ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

- LEGEND
- SUPPLY DUCT
 - EXTRACT DUCT
 - DIRTY EXTRACT DUCT
 - SD - SUPPLY DUCT
 - ED - EXTRACT DUCT
 - DE - DIRTY EXTRACT DUCT
 - AHU - AIR HANDLING UNIT
 - DEF - DIRTY EXTRACT FAN
 - FD - FIRE DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - VCD - VOLUME CONTROL DAMPER



Rev	Date	Description	By	App
A	02/05/2016	ISSUED FOR T3 CONSTRUCTION	JSI	BR/EM
1	13/05/2016	ISSUED FOR INFORMATION	JSI	BR/JS

Revisions
Project

Re-provision of RHSC and DCN at Little France

Client



Title
ZONE Z3 LEVEL 04 PLANTROOM VENTILATION SCHEMATIC

Drawn	Checked	Level	Date	Revision
JSI	JSI	04	13/05/2016	A

Scale @ A1 Date
N.T.S. @ A1 APRIL. 2016

Status
INFORMATION



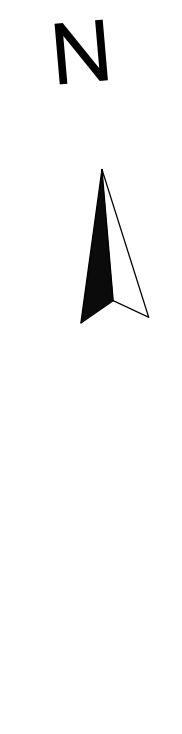
RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NO COMMENTS	NOTED.

* COMMENTS BASED ON WW-Z3-SL-SC-524-001 Rev 1 - STATUS A.

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1:500	1:250	1:125	1:62.5	1:31.25	1:15.625	1:7.8125	1:3.90625	1:1.953125	1:0.9765625
1:250	1:125	1:62.5	1:31.25	1:15.625	1:7.8125	1:3.90625	1:1.953125	1:0.9765625	1:0.48828125
1:125	1:62.5	1:31.25	1:15.625	1:7.8125	1:3.90625	1:1.953125	1:0.9765625	1:0.48828125	1:0.244140625

RISER V2
(REFER TO DRAWING
WW-Z4-SL-01-630-012)



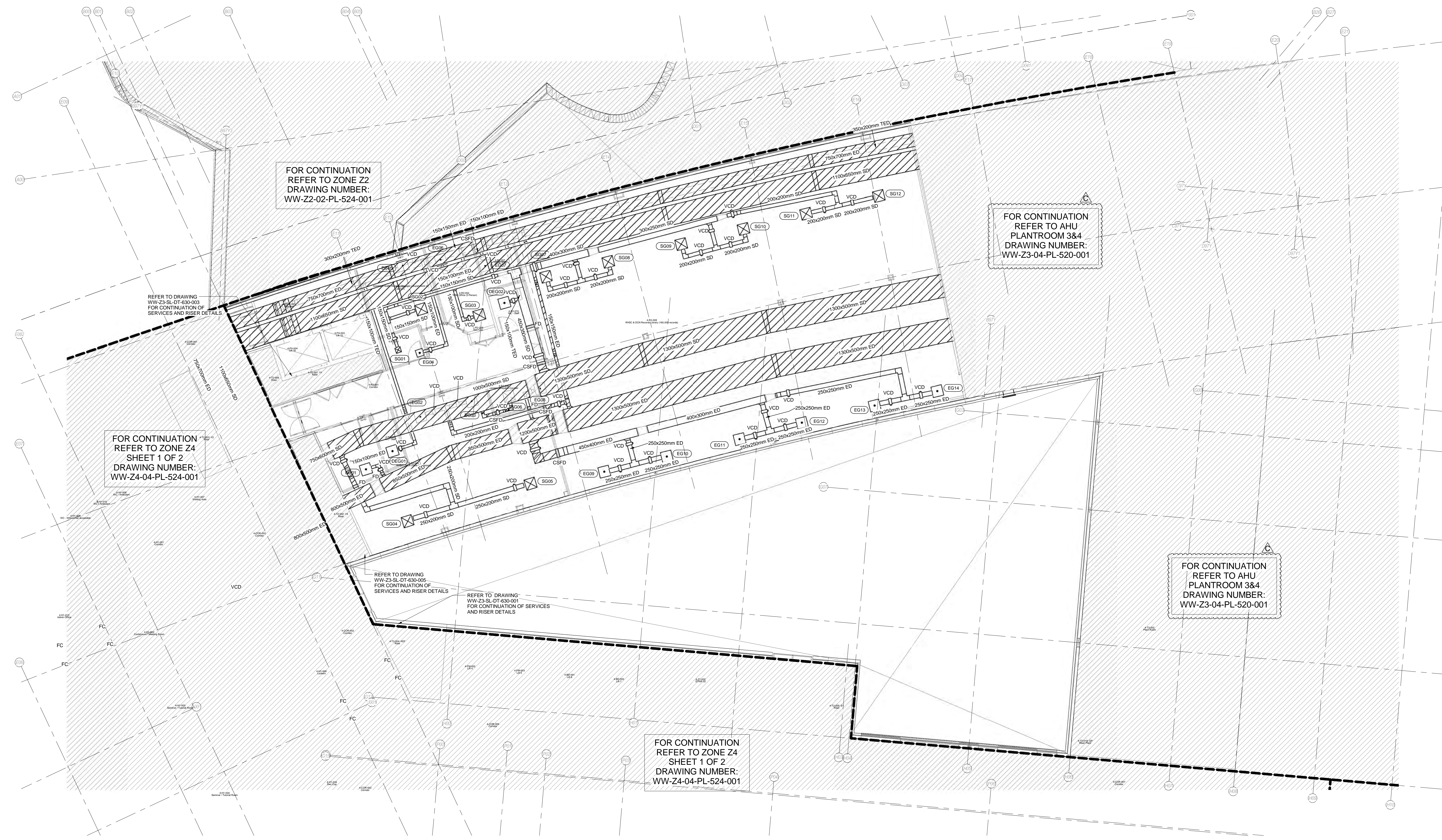
- Notes**
Check all dimensions on site. Do not scale from this drawing.
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- Designer Identification of Hazard Risk**
- Indicates a Residual Risk requiring a Compulsory Action
 - Ⓢ Indicates a Residual Risk for Information
 - ⓐ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

LEGEND

- SG SUPPLY GRILLE
- EG EXTRACT GRILLE
- DG DIRTY EXTRACT GRILLE
- VCD VOLUME CONTROL DAMPER
- APS AIR PRESSURE STABILISER
- MD MOTOR CONTROL DAMPER
- CSFD COMBINED SMOKE & FIRE DAMPER
- FD FIRE DAMPER
- ED EXTRACT DUCT
- SD SUPPLY DUCT
- DE DIRTY EXTRACT
- ISO DE DIRTY ISOLATION EXTRACT
- DEF DIRTY EXTRACT FAN
- KED KITCHEN EXTRACT DUCT
- FAI FRESH AIR INTAKE
- EX EXHAUST
- AHU AIR HANDLING UNIT
- DFA DROP FROM ABOVE
- DTB DROP TO BELOW
- DTLA DROP TO LOW LEVEL
- RTHL RISE TO HIGH LEVEL
- RFB RISE FROM BELOW
- RTA RISE TO ABOVE
- GS OFFSET (UP OR DOWN)
- ATT ATTENUATOR
- CTA CROSS TALK ATTENUATOR
- HB HEATING BATTERY
- CVD CONSTANT VOLUME DAMPER
- DTG DOOR TRANSFER GRILLE
- FC FINE FILTERED DUCTWORK
- FC INTUMESCENT FIRE COLLAR
- DTG DOOR TRANSFER GRILLE
- UPVC UPVC DUCTWORK

NOTES

1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
2. KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW17.
3. COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
4. ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPIGOT.
5. ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
6. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
7. ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
8. PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
9. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
10. ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
11. FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW14.
12. ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
13. SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
14. SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
15. DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYVINYL CHLORIDE (UPVC) COMPLYING WITH HVCA DOCUMENT DW154.
16. ALL FUME CUPBOARDS TO BE SUPPLIED BY OTHERS.
17. ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH ROOF WALLS & SLABS ETC. IN LINE WITH THE ARCHITECT'S CURRENT FIRE STRATEGY.
18. FUME CUPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 200mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14175.
19. THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH BS EN 18261 INSTALLATION IN HEALTHCARE PREMISES - PART A - DESIGN AND VALIDATION.



C	1908	DRAWING REFERENCES UPDATED AND COMMENTS TABLE ADDED.	AW/ SJ/ BR
B	0403	ISSUED AT REVISION C	AW/ SJ/ BR
A	1901	ISSUED FOR BUILDING WARRANT	DW/ SJ/ BR
1	2511	T1 RDD ISSUE	DJ/ LM/ SJ/ BR

Re-provision of RHSC and DCN at Little France

Client



Title
ZONE Z3 - LEVEL 04 VENTILATION DISTRIBUTION SHEET 1 OF 2

Drawing No. **WW-Z3-04-PL-524-001** Revision **C**

Scale @ A0 Date **AUG. 2015**

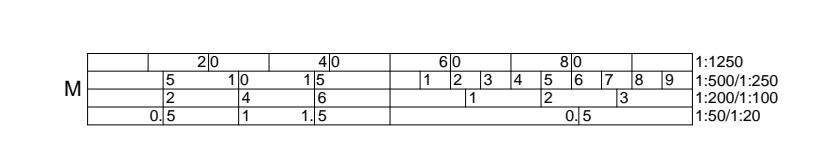
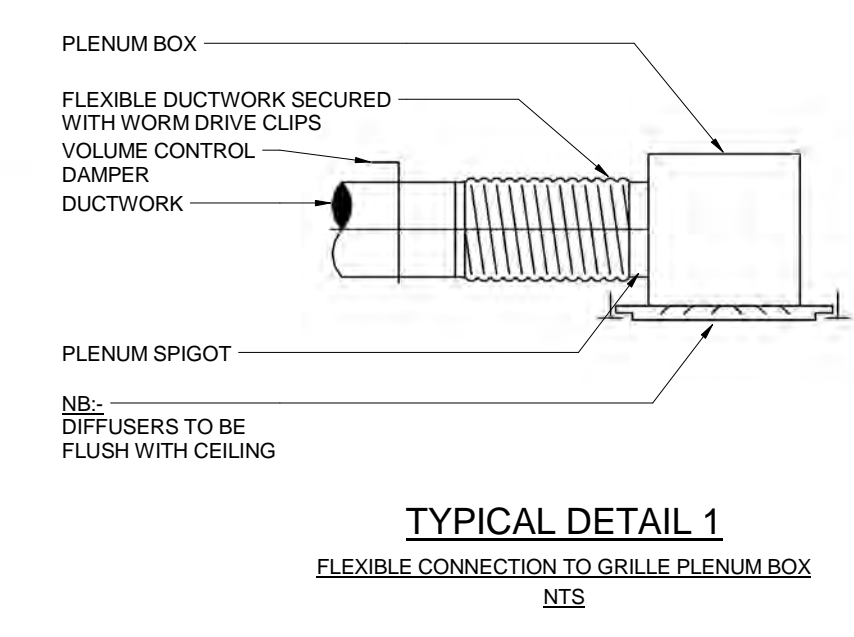
Status **CONSTRUCTION**

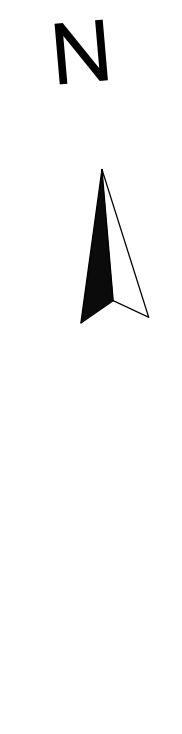


RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	VCD IDENTIFICATION REQUIRED	NOTED.
2.	NOTE SHOULD BE ADDED THAT ACCESS DOORS SHOULD BE PROVIDED FOR ALL VCD'S, FDS CSFD'S.	VENTILATION NOTE 1 STATES GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14. THIS DOCUMENT REFERS TO: BS65 PUBLICATION 1925.
3.	NOTE SHOULD BE ADDED INDICATING THAT ACCESS DOORS REQUIRE TO BE INSTALLED TO ENABLE INTERNAL CLEANING OF DUCTWORK TO SUIT FREQUENCY IN 1YRS.	VENTILATION NOTE 1 STATES GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14. THIS DOCUMENT REFERS TO: BS65 PUBLICATION 1925.

* COMMENTS BASED ON WW-Z3-04-PL-524-001 Rev B - STATUS B.





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 - Ⓜ Indicates a Residual Risk for Information
 - Ⓢ Indicates a Residual Risk requiring a Prohibitive Action
 - Ⓜ Indicates a Residual Risk as a Warning

LEGEND

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- ISO DE - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KED - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EK - EXHAUST
- AHU - AIR HANDLING UNIT
- DFA - DROP FROM ABOVE
- OTB - DROP TO BELOW
- OTL - DROP TO LOW LEVEL
- RTHL - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET (UP OR DOWN)
- ATA - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVD - CONSTANT VOLUME DAMPER
- DTG - DOOR TRANSFER GRILLE
- FC - FIRE RATED DUCTWORK
- ITC - INTUMESCENT FIRE COLLAR
- DTG - DOOR TRANSFER GRILLE
- LPVC - DUCTWORK

NOTES

1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144.
2. KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
3. COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL, STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
4. ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPIGOT.
5. ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
6. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
7. ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
8. PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
9. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
10. ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
11. FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE BSFM 05:01.
12. ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
13. SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
14. SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
15. DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED POLYMERAL CHA OR FIBRE (LPVC) COMPLYING WITH HWSA DOCUMENT DW154.
16. ALL FRAME CLIPBOARDS TO BE SUPPLIED BY OTHERS.
17. ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECT'S CURRENT FIRE STRATEGY.
18. FRAME CLIPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 3000mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 12101.
19. THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH BSFM 03:01 VENTILATION IN HEALTHCARE PREMISES. PART A - DESIGN AND VALIDATION.



FOR CONTINUATION
REFER TO ZONE Z3
LEVEL 04 VENTILATION
PLANTROOM 3&4
DRAWING REF NO:
WW-Z3-04-PL-520-001

FOR CONTINUATION
REFER TO ZONE Z3
LEVEL 04 VENTILATION
PLANTROOM 3&4
DRAWING REF NO:
WW-Z3-04-PL-520-001

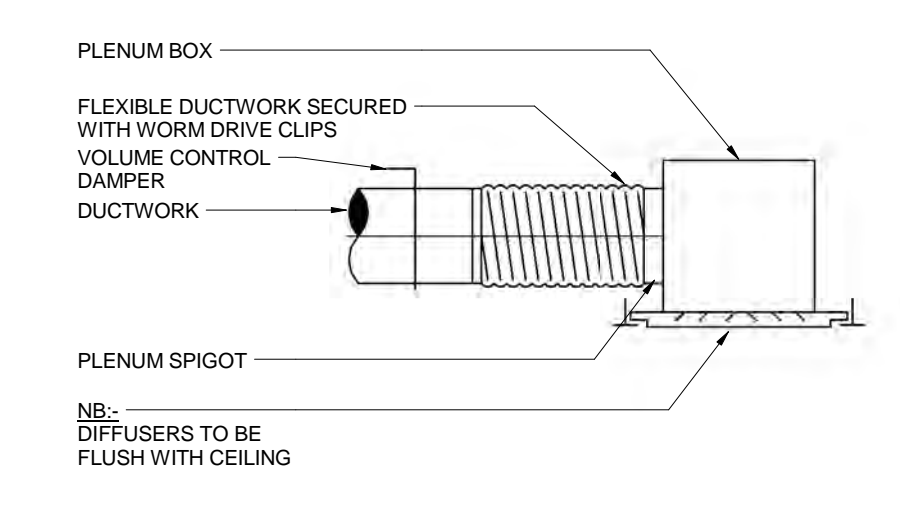
FOR CONTINUATION
REFER TO ZONE Z4
SHEET 2 OF 2
DRAWING REF NO:
WW-Z4-04-PL-524-002

1 LEVEL 04 PLAN
1:100

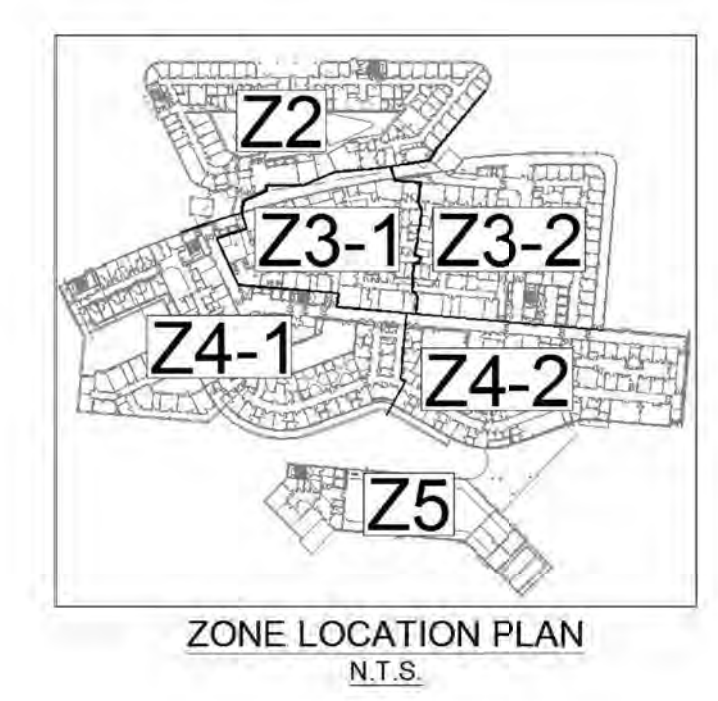
RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NOTE SHOULD BE ADDED THAT ACCESS DOORS SHOULD BE PROVIDED FOR ALL VCD'S, FD'S CSFD'S.	VENTILATION NOTE 1 STATES 'GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144'. THIS DOCUMENT REFERS TO B8ES PUBLICATION TR/19.
2.	NOTE SHOULD BE ADDED INDICATING THAT ACCESS DOORS REQUIRE TO BE INSTALLED TO ENABLE INTERNAL CLEANING OF DUCTWORK TO SUIT FREQUENCY IN TRS.	VENTILATION NOTE 1 STATES 'GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW144'. THIS DOCUMENT REFERS TO B8ES PUBLICATION TR/19.

* COMMENTS BASED ON WW-Z3-04-PL-524-002 Rev B - STAT/D.R.



TYPICAL DETAIL 1
FLEXIBLE CONNECTION TO GRILLE PLENUM BOX
N12



Revisions	Project	Revision
C 19/08 DRAWING REFERENCES UPDATED AND 2016 COMMENTS TABLE ADDED.	AWI / SJ	BR
B 04/03 ISSUED AT REVISION C	AWI / SJ	BR
A 18/01 ISSUED FOR BUILDING WARRANT	DAW / SJ	BR
1 18/01 T1 RDD ISSUE	DAW / SJ	BR

Project
Re-provision of RHSC and DCN at Little France
Client

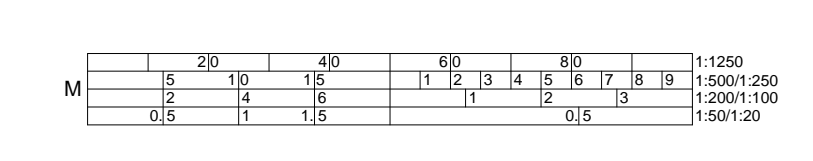


Title
ZONE Z3 - LEVEL 04 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No. **WW-Z3-04-PL-524-002** Revision **C**

Scale @ A0 Date **JAN. 2015**

Status
CONSTRUCTION



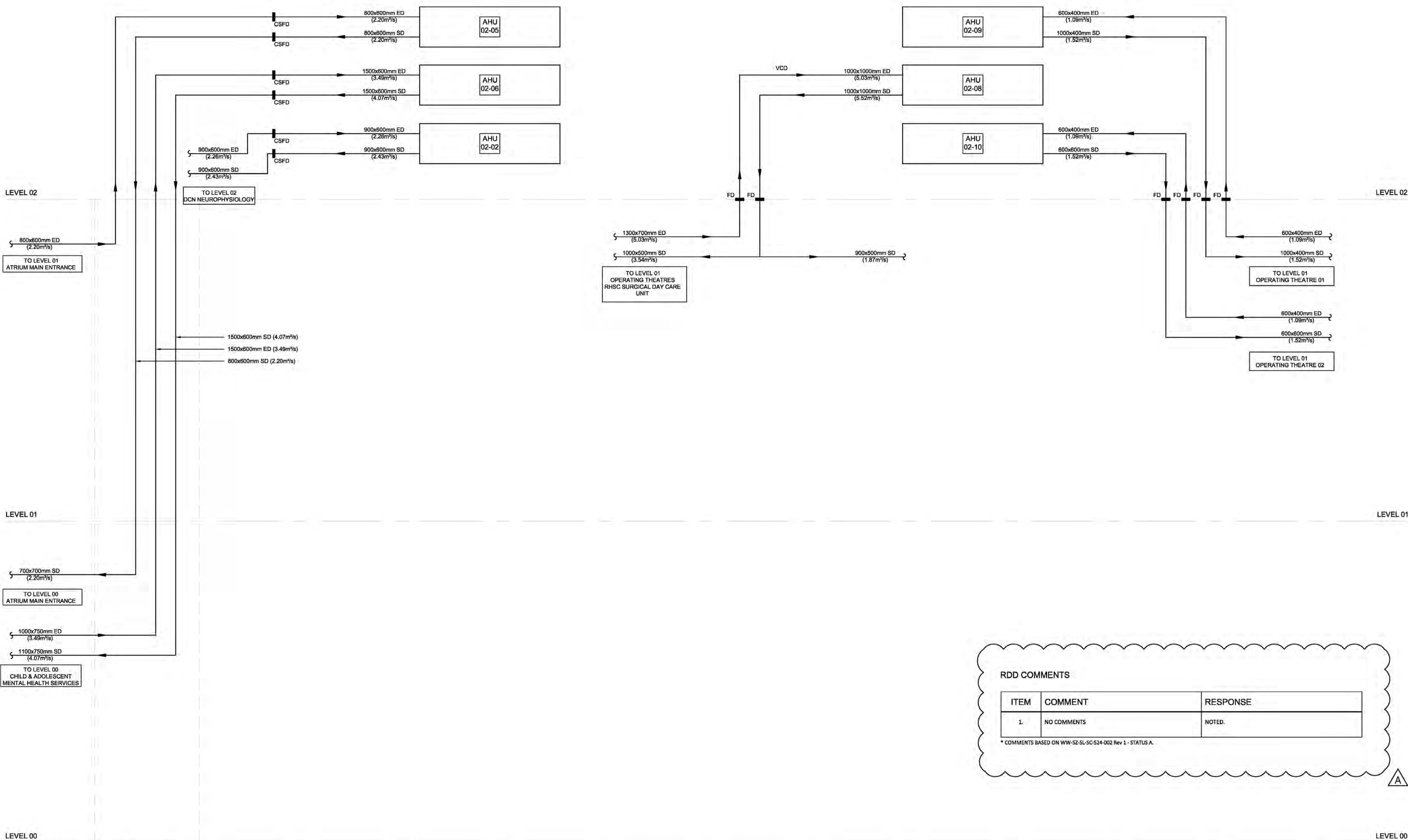


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Page 71

Designer Identification of Hazard Risk

- ⊗ Indicates a Residual Risk requiring a Compulsory Action
- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning



- LEGEND
- - SUPPLY DUCT
 - - EXTRACT DUCT
 - - DIRTY EXTRACT DUCT
 - SD - SUPPLY DUCT
 - ED - EXTRACT DUCT
 - DE - DIRTY EXTRACT DUCT
 - AHU - AIR HANDLING UNIT
 - DEF - DIRTY EXTRACT FAN
 - FD - FIRE DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - VCD - VOLUME CONTROL DAMPER

A	02/09/2016	ISSUED FOR T3 CONSTRUCTION	J/S/DM	BR/AW
1	13/05/2016	ISSUED FOR INFORMATION	LM/DM	BR/AW

Revisions
Project

Re-provision of RHSC and DCN at Little France

Client



Title

ZONE 3 LEVEL 2 PLANTROOM VENTILATION SCHEMATIC SHEET 2

Drawing No.	Revision
WW-SZ-SL-SC-524-002	A

Scale @ A1 Date
N.T.S. @ A1 APRIL 2016

Status
INFORMATION



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NO COMMENTS	NOTED.

* COMMENTS BASED ON WW-SZ-SL-SC-524-002 Rev 1 - STATUS A.

1	200	800	1200
15	10	15	15
15	15	15	15
15	15	15	15

RISER V1
(REFER TO DRAWING
WW-Z3-SL-DT-430-003)



Notes
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Designer Identification of Hazard Risk

- Indicates a Residual Risk requiring a Compulsory Action
- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning

LEGEND

- SUPPLY DUCT
- EXTRACT DUCT
- DIRTY EXTRACT DUCT
- SD - SUPPLY DUCT
- ED - EXTRACT DUCT
- DE - DIRTY EXTRACT DUCT
- AHU - AIR HANDLING UNIT
- DEF - DIRTY EXTRACT FAN
- FD - FIRE DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- VCD - VOLUME CONTROL DAMPER

A	02/09/2016	ISSUED FOR T3 CONSTRUCTION	JSI/DM	BR/AW
1	13/05/2016	ISSUED FOR INFORMATION	LM/DM	BR/AW

Re-provision of RHSC and DCN at Little France



ZONE 3 LEVEL 2 PLANTROOM VENTILATION SCHEMATIC SHEET 3

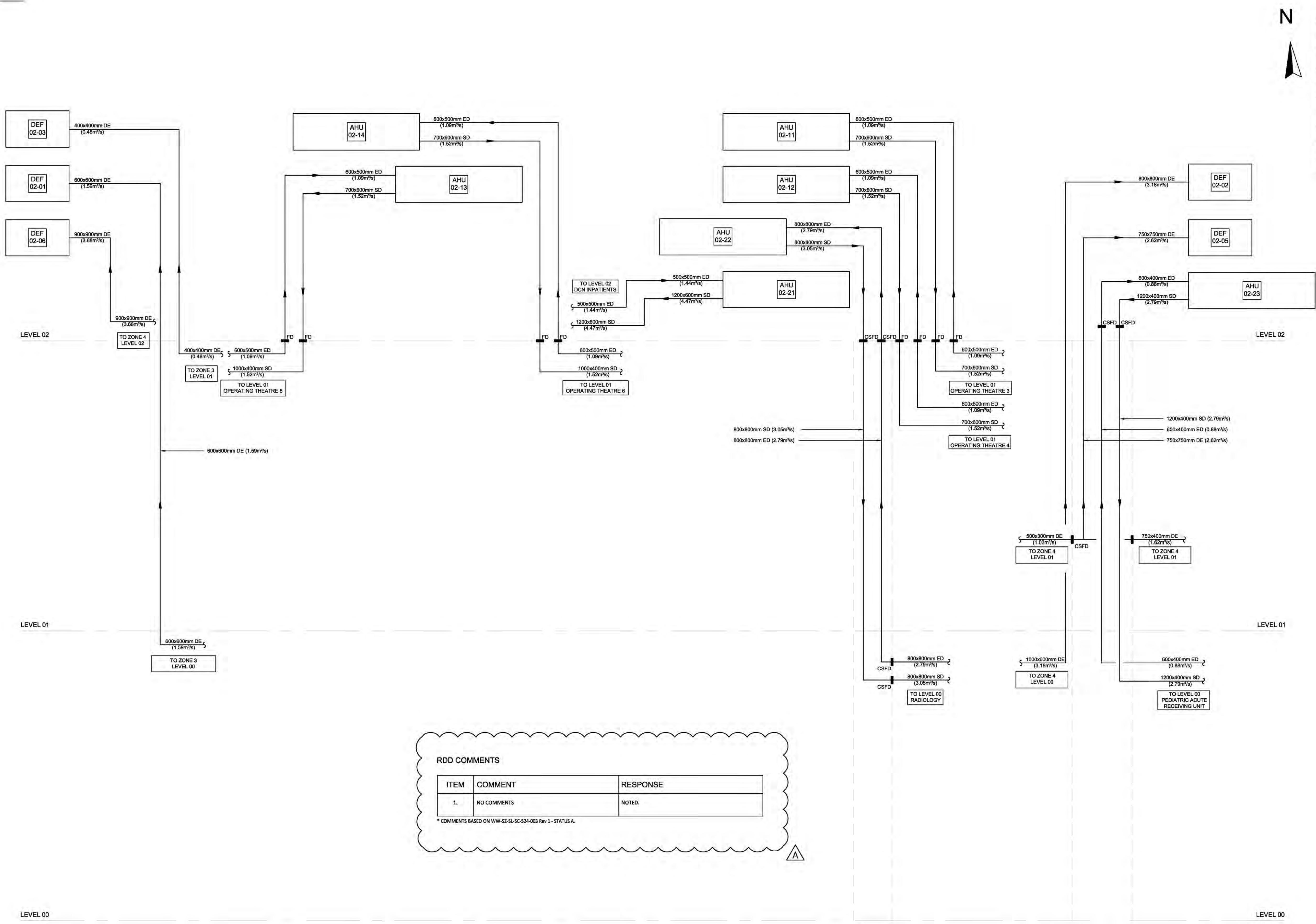
Drawing No.	Revision
WW-SZ-SL-SC-524-003	A

Scale @ A1 Date
N.T.S. @ A1 APRIL 2016

INFORMATION



1:250	1:200	1:150	1:100	1:75	1:50	1:30	1:20	1:150	1:200	1:250
15	10	7	5	3	2	1	0.5	0.25	0.15	0.1
10	7	5	3	2	1	0.5	0.25	0.15	0.1	0.05



RDD COMMENTS

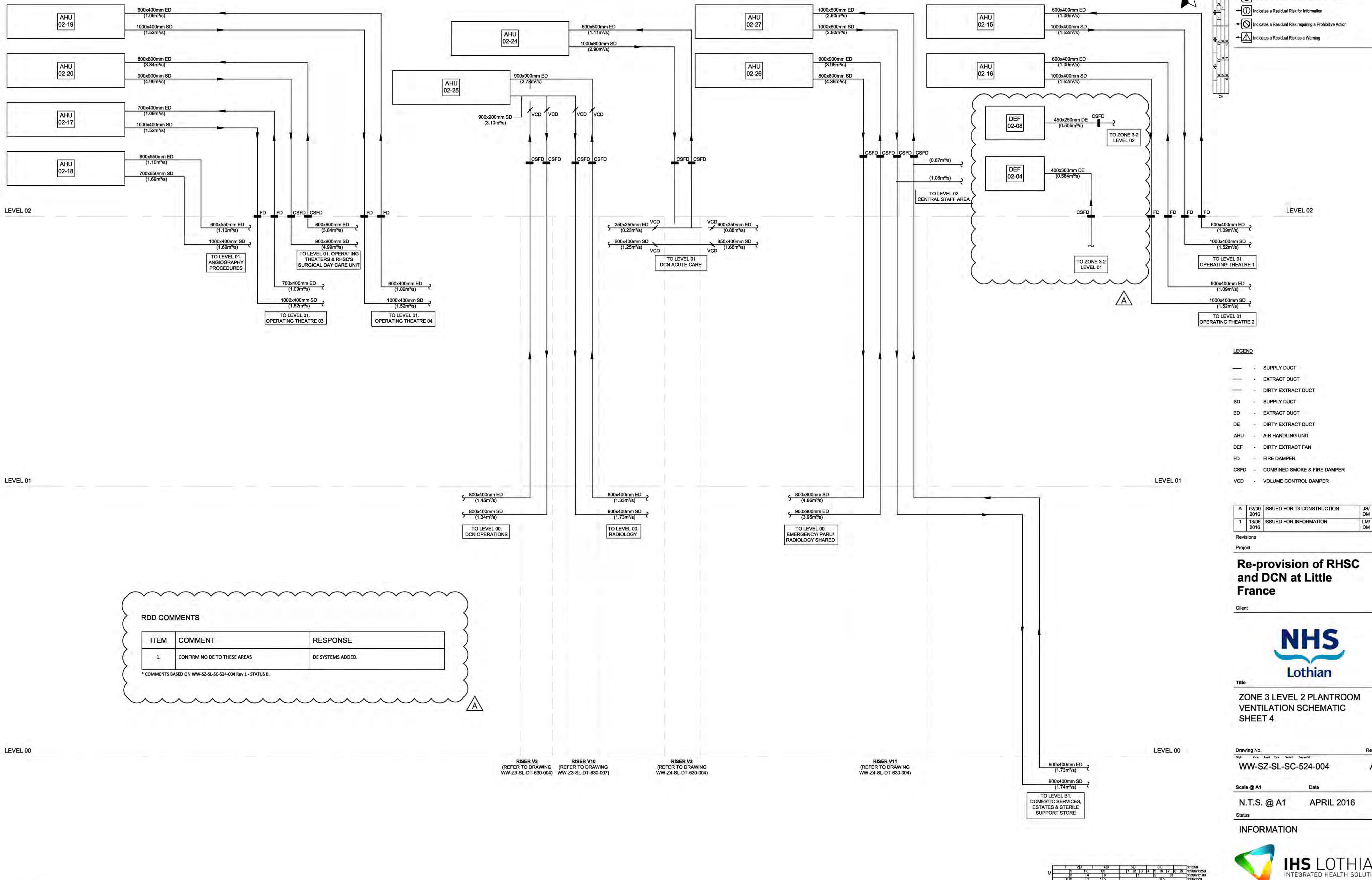
ITEM	COMMENT	RESPONSE
1.	NO COMMENTS	NOTED.

* COMMENTS BASED ON WW-SZ-SL-SC-524-003 Rev 1 - STATUS A.

RISER V3 (REFER TO DRAWING WW-Z3-SL-DT-630-004)
RISER V5 (REFER TO DRAWING WW-Z4-SL-DT-630-003)

Designer Identification of Hazard Risk

- ⊗ Indicates a Residual Risk requiring a Compulsory Action
- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning



LEGEND

- SUPPLY DUCT
- EXTRACT DUCT
- DIRTY EXTRACT DUCT
- SD - SUPPLY DUCT
- ED - EXTRACT DUCT
- DE - DIRTY EXTRACT DUCT
- AHU - AIR HANDLING UNIT
- DEF - DIRTY EXTRACT FAN
- FD - FIRE DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- VCD - VOLUME CONTROL DAMPER

A	02/09/2016	ISSUED FOR T3 CONSTRUCTION	JS/DM	BR/AW
1	13/05/2016	ISSUED FOR INFORMATION	LM/DM	BR/AW

Revisions
Project

Re-provision of RHSC and DCN at Little France

Client



ZONE 3 LEVEL 2 PLANTROOM VENTILATION SCHEMATIC SHEET 4

Drawing No. Revision

WW-SZ-SL-SC-524-004	A
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Scale @ A1 Date
N.T.S. @ A1 APRIL 2016

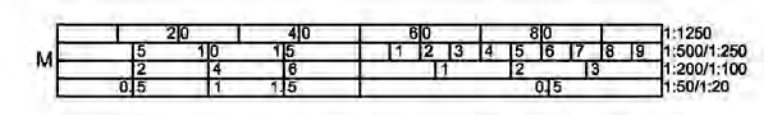
INFORMATION



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	CONFIRM NO DE TO THESE AREAS	DE SYSTEMS ADDED.

* COMMENTS BASED ON WW-SZ-SL-SC-524-004 Rev 1 - STATUS B.





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- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning

LEGEND

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MC - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- ISO DE - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KED - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- AHU - AIR HANDS UNIT
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
- DTL - DROP TO LOW LEVEL
- RTLW - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET (UP OR DOWN)
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVD - CONSTANT VOLUME DAMPER
- CVB - CONSTANT VOLUME BOX
- DTD - DOOR TRANSFER GRILLE
- FC - FIRE RATED FLEXIBLE CONNECTION
- ITFC - INTUMESCENT FIRE COLLAR
- DTG - DOOR TRANSFER GRILLE
- SP - SPECTACLE PLATE

NOTES

- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH SWH14.
- WETTED DUCTWORK INSTALLATION TO COMPLY WITH SWH14.
- COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL EXTRACTS FROM KITCHENS PASSING THROUGH FLOOR LEVELS, STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH COMBINED SMOKE & FIRE DAMPER.
- ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH FLEXIBLE BOX WITH SIDE ENTRY SPOUT.
- ALL GRILLES TO BE PROVIDED WITH POWER COATED TO BS 8918 RAL COLOUR APPROVED BY ARCHITECT.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
- ALL WORKS COMMENSURING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
- PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL SPECIFICATION.
- ALL RIGID CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
- ALL RIGID VENTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
- FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH SWH14.
- ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
- SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
- SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION ROOM SHALL BE MANUFACTURED FROM POLYETHYLENE TEREPHTHALATE (PET) POLYMER WITH POLYURETHANE INSULATION TO COMPLY WITH BS EN 1817.
- ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLAR AS REQUIRED THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECTS CURRENT FIRE STRATEGY.
- FLAME CUPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 1000mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14175.
- THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH SWH14 IN ACCORDANCE WITH THE ARCHITECTS CURRENT FIRE STRATEGY.

- L 0185 GENERAL EXTRACT VENT INTRODUCED INTO ROOM 2018 TO ACHIEVE A ROOM BALANCE ASSOCIATED EXTRACT DUCTWORK INCREASED TO ACCOMMODATE ADDITIONAL AIR VOLUME
- K 0892 DUCTWORK ADDED TO G-A2-204
- J 1818 EXTRACT DUCTWORK REROUTED VIA THE MAIN AIR VENTILATION ADDED INTO SWITCH CHAMBERS CLASS 05
- I 1783 UPDATED TO REFLECT CLIENT 2017 REQUIREMENTS
- H 0392 UPDATED TO REFLECT CLIENT 2017 REQUIREMENTS
- G 1811 DRAWING UPDATED IN LINE WITH 2016 CURRENT FIRE STRATEGY DRAWING
- F 0818 MRI ROOM EMERGENCY EXTRACT DUCTS ADDED HEATER BATTERY REFERENCES ADDED BOARD COMMENTS ADDRESSED
- E 2386 VENTILATION DUCTWORK REVISED WITH 2016 ALTERNATIVE SOLUTION ROOM VENTILATION SCHEME
- D 2716 ARCHITECTURAL LAYOUT REVISED TO 2016 SUIT LVC 01
- C 0400 ISSUED AT REVISION C
- B 1811 ISSUED FOR BUILDING WARRANT
- A 2011 ISSUED AT REVISION A
- T 1807 T1 RFD ISSUE

Revisions

Project

Re-provision of RHSC and DCN at Little France

Client

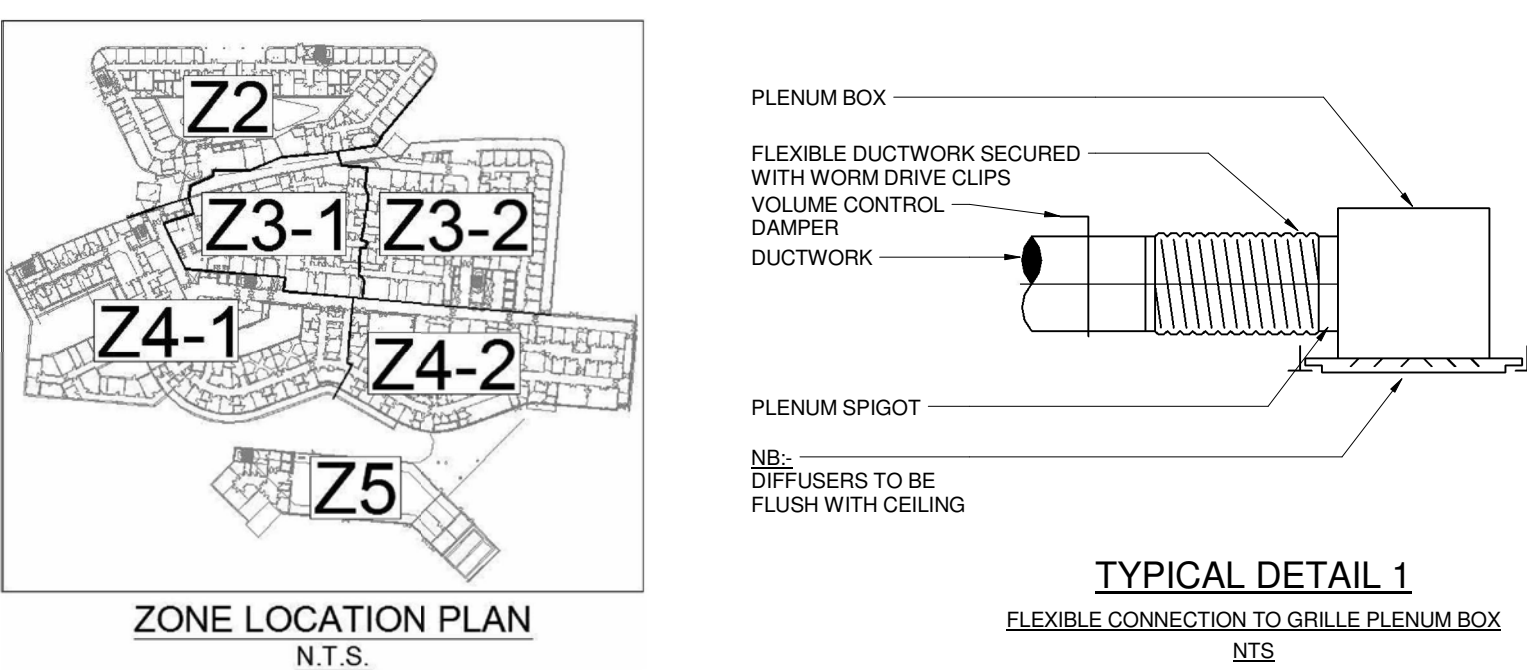


Zone Z4 - LEVEL 00 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No. WW-Z4-00-PL-524-002

Scale @ A0 Date JULY 2015

Status CONSTRUCTION



ZONE LOCATION PLAN N.T.S.

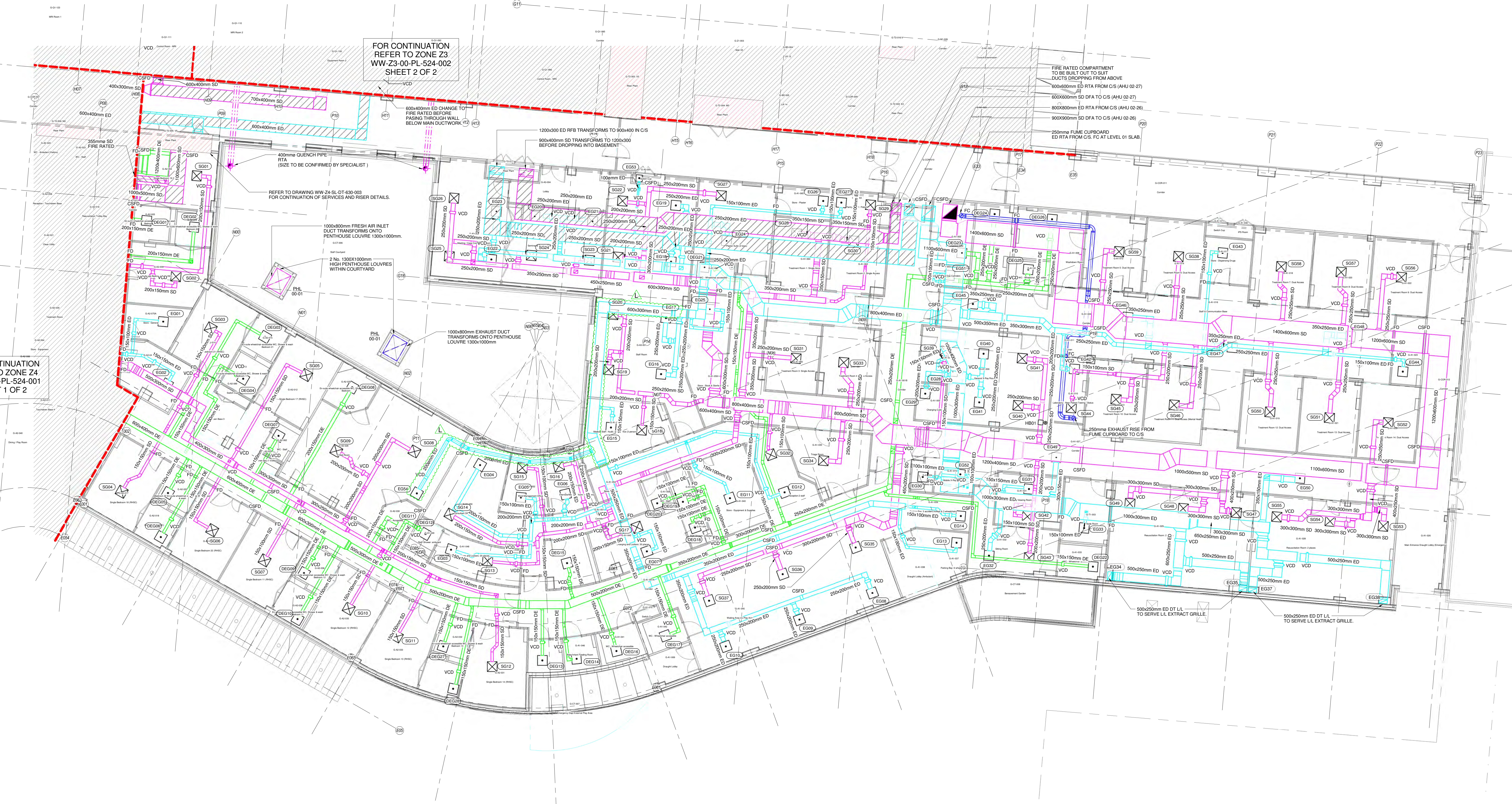
FOR CONTINUATION REFER TO ZONE Z3 WW-Z3-00-PL-524-002 SHEET 2 OF 2

FOR CONTINUATION REFER TO ZONE Z4 WW-Z4-00-PL-524-001 SHEET 1 OF 2

LEVEL 00 PLAN 1:100

FIRE RATED COMPARTMENT TO BE BUILT OUT TO SUIT DUCTS DROPPING FROM ABOVE

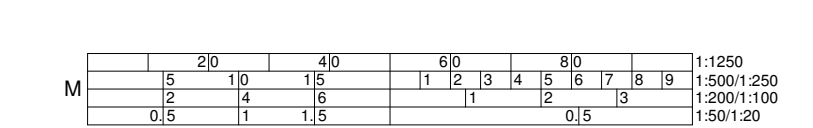
- 600x600mm ED RTA FROM CS (AHU 02-27)
- 600x600mm SD DFA TO CS (AHU 02-27)
- 600x600mm SD DFA FROM CS (AHU 02-28)
- 600x600mm SD DFA TO CS (AHU 02-28)
- 250mm FLEXIBLE CONNECTION RTA FROM G.S. FC AT LEVEL 01 SLAB

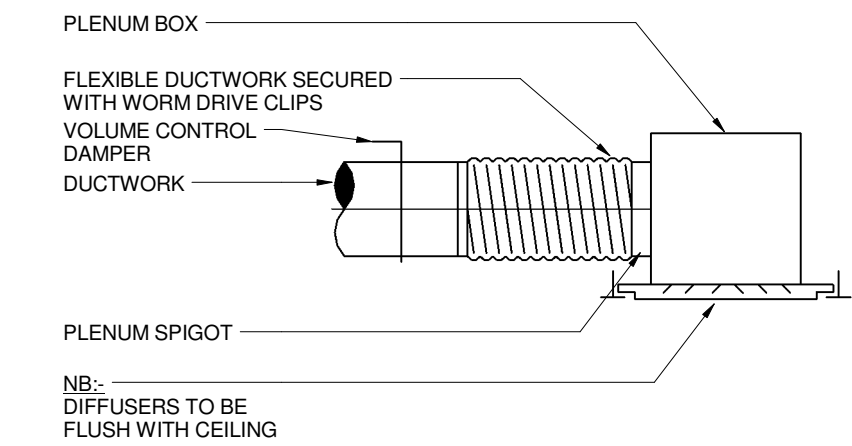
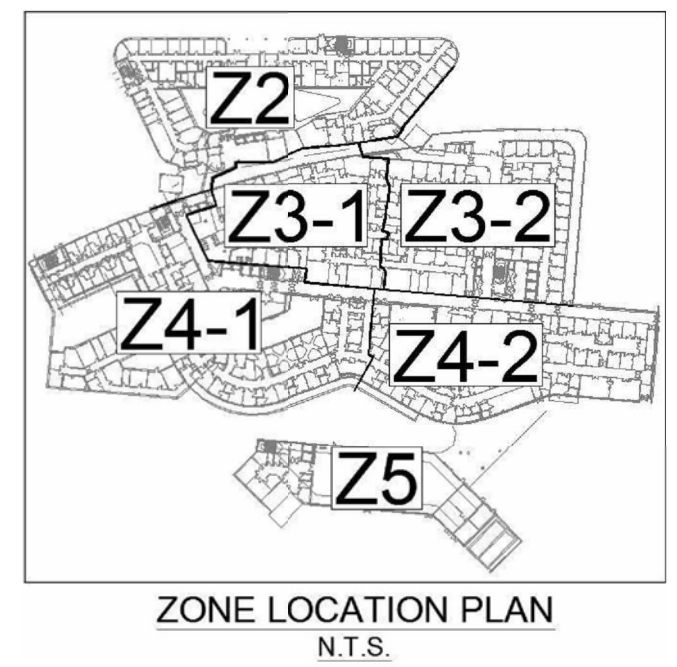


RDD COMMENTS

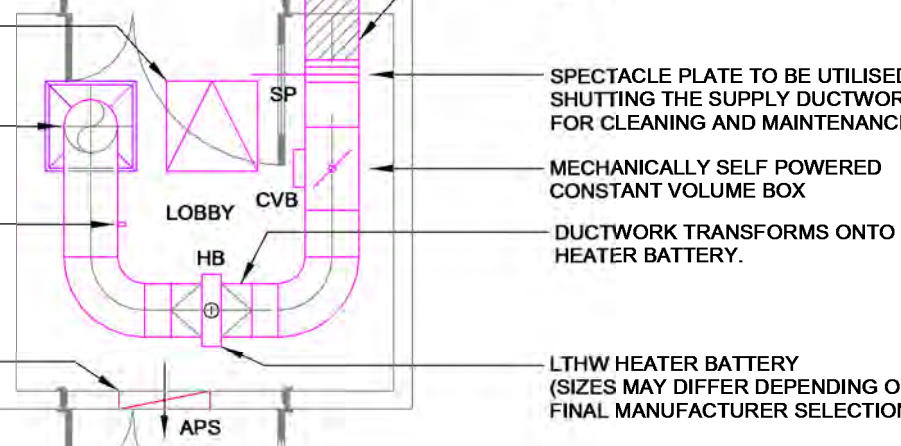
ITEM	COMMENT	RESPONSE
L	STATUS A.	NO COMMENTS.

* COMMENTS BASED ON WW-Z4-00-PL-524-002 Rev C - STATUS A.





TYPICAL DETAIL 1 FLEXIBLE CONNECTION TO GRILLE PLENUM BOX N.T.S.



TYPICAL DETAIL 2 ISOLATION ROOM POSITIVE PRESSURE ROOM ACCESS LOBBY VENTILATION LAYOUT N.T.S.

FOR CONTINUATION REFER TO ZONE Z2 SEE DRAWING NO. WW-Z2-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-Z3-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-Z3-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z4 SHEET 2 OF 2 SEE DRAWING NO. WW-Z4-00-PL-524-002

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	DIFFUSERS NOT SHOWN. DETAIL DIFFUSER TYPE.	DIFFUSERS ADDED. REFER TO SCHEDULES FOR DIFFUSER DETAILS
2.	CONFIRM LOBBY VENTILATION SYSTEM DESCRIPTION	RED LIFT LOBBY OMITTED. REFER TO DRAWING WW-Z3-00-PL-524-001 FOR DETAILS
3.	CLARIFICATION OF DUCT SIZE.	DUCT SIZES AMENDED.
4.	NOTE OF COMPLIANCE WITH SHFM 03-01 TO BE ADDED TO VENT DRAWINGS.	NOTE IS ADDED
5.	TYPICAL DETAIL 2 TO BE REVIEWED.	AWAITING FEEDBACK FROM NHS INFECTIONS CONTROL. ANY COMMENTS WILL BE INCLUDED ON THE NEXT REVISION.

* COMMENTS BASED ON WW-24-00-PL-524-001 Rev F - STATUS B.

NOTES

- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
- KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW12.
- COOKING RANGE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURE SLAB SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
- ALL NEW GRILLES TO BE INSTALLED COMPLETED WITH PLENUM BOX WITH SIDE ENTRY SPOOT.
- ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
- ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
- PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH THE EFFICIENCY REQUIREMENTS OF SECTION 8 OF THE TECHNICAL STANDARDS.
- ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.

- ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
- FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW14.
- ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
- SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
- SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE & FIRE DAMPER AT ENTRY TO THE LOBBY TO BE FITTED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
- FUME CUPBOARD EXTRACT DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED STAINLESS STEEL (AISI 316) UPVC COMPLYING WITH HVEA DOCUMENT DW154.
- ALL FUME CUPBOARDS TO BE SUPPLIED BY OTHERS.
- ALL PENETRATIONS TO BE SUITABLE FIRE STOPPED AND INTENSIFIED COLLARS AS REQUIRED, THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECT'S CURRENT FIRE STRATEGY.
- FUME CUPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 3000MM ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 1475.
- THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH SHFM 03-01 VENTILATION IN HEALTHCARE PREMISES - PART A - DESIGN AND VALIDATION.

Check all dimensions on site. Do not scale from this drawing. Report any discrepancies and dimensions to drawing originator. The Drawing is Copyright ©

Legend

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- VPS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- ISO DE - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KED - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- AHU - AIR HANDLING UNIT
- DFA - DROP FROM ABOVE
- DTB - DROP TO BELOW
- DTL/L - DROP TO LOW LEVEL
- RTH/L - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RIA - RISE TO ABOVE
- CS - OFFSET UP OR DOWN
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVB - CONSTANT VOLUME DAMPER
- CVD - CONSTANT VOLUME BOX
- DTG - DOOR TRANSFER GRILLE
- FC - INTENSIFIED FIRE COLLAR
- DTG - DOOR TRANSFER GRILLE
- SP - SPECTACLE PLATE

- L 09/05 DRAWING AMENDED TO INCORPORATE DAMPERS
- 2016 MPX COMMENTS GENERAL EXTRACT VENT INTRODUCED INTO ROOM G-42-054 & G-42-046 TO ACHIEVE A ROOM BALANCE. DIRTY EXTRACT DUCT SERVING ASSOCIATED TOILETS AND ENSUITS. SIZES AMENDED.
- K 01/05 GENERAL EXTRACT VENT INTRODUCED INTO ROOM G-42-054 & G-42-046 TO ACHIEVE A ROOM BALANCE.
- J 18/10 RIB DUCTWORK RESOURCES VIA THE MAIN AW
- 2017 HOSPITAL STREET CORRIDOR IN LINE WITH CLIENT REQUIREMENTS CSFD'S REMOVED ON TRANSFER ROOM SUPPLY AND EXTRACT DUCTWORK. DUCTWORK CHANGED TO FIRE RATED FOR FINAL RUN TO EXTERNAL LOUVER.
- I 18/11 DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY ISOLATION LOBBY UPDATED & DEPT 6 VENT UPDATED. COMMON SPACE VENTILATION UPDATED TO SUIT PROPOSED VALUED CEILING (ATT 1.1)
- H 19/08 DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWING CSFD'S & FPS ADDED.
- G 08/08 MRI ROOM EMERGENCY EXTRACT DUCTS AW
- 2016 ADDED HEATER BATTERY REFERENCES AW
- F 23/06 VENTILATION DUCTWORK REVISED WITH 2014 ALTERNATIVE ISOLATION ROOM VENTILATION SCHEME.
- E 04/03 ISSUED AT REVISION E AW
- 2016 ISSUED FOR BUILDING WARRANT DAMP
- 2015 ISSUED CAMPUS DEPARTMENT UPDATED TO 2015 REFLECT NEW ARCHITECTS LAYOUT DAMP
- 2015 ISSUED AT REVISION B DAMP
- 2015 ISSUED AT REVISION A DAMP
- 2015 1500 T1 RFD ISSUE DAMP

Re-provision of RHSC and DCN at Little France

NHS Lothian

ZONE Z4 - LEVEL 00 VENTILATION DISTRIBUTION SHEET 1 OF 2

Project

Client

Title

Drawing No. WW-Z4-00-PL-524-001

Scale: As Indicated

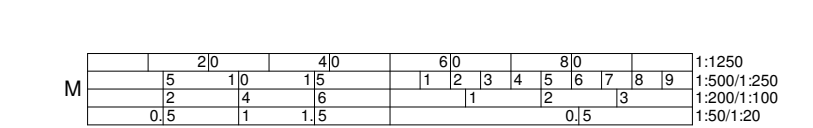
Date: JULY, 2015

Status: CONSTRUCTION

Revisions

Revision	Date	Description
L		

LEVEL 00 PLAN 1:100



Notes
Check all dimensions on site. Do not scale from this drawing.
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- Indicates a Residual Risk requiring a Compulsory Action
- Ⓜ Indicates a Residual Risk for Information
- Ⓢ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning

- LEGEND**
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - MC - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - ISO DE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KED - KITCHEN EXTRACT DUCT
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 - RTH/L - RISE TO HIGH LEVEL
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 - RTA - RISE TO ABOVE
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 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - CVB - CONSTANT VOLUME BOX
 - DTG - DOOR TRANSFER GRILLE
 - FR - FIRE RATED DUCTWORK
 - IC - INTENSIMANT FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE
 - SP - SPECTACLE PLATE

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATING PARASOLS SHALL BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLUMBING AND FIRE RATED CONNECTIONS TO THE ROOMS THEY SERVE.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & CONNECTIONS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTIONS.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLOW RATE SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW172.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY. TO BE UTILIZED FOR BURNING OF THE ROOM CLEANING AND DISINFECTANT.
 - FUME CURTAIN EXTRACT DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED GALVANIZED STEEL OR EQUIVALENT WITH WINDA DOCUMENT DW154.
 - ALL FUME CURTAINS TO BE SUPPLIED BY OTHERS.
 - ALL ISOLATION ROOMS TO BE SUPPLIED WITH FIRE STOPPED INTENSIMANT COLLARS AS REQUIRED THROUGH BOTH WALLS & ABOVE CEILING IN ACCORDANCE WITH BS EN 10172.
 - FUME CURTAIN DISCHARGE TO ATMOSPHERE SHALL BE 100MM ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 10172.
 - THE DUCTWORK INSTALLATION HAS BEEN PERFORMED AND WILL BE INSTALLED IN ACCORDANCE WITH BS EN 15172 VENTILATION IN HEALTHCARE PREMISES - PART 4 DESIGN AND VALIDATION.

- J 01/18 GENERAL EXTRACT VENT INTRODUCED INTO ROOMS 1 S1 003, 1 S1 001, 1 S1 003 & SJ 2018 TO ACHIEVE A ROOM BALANCE
- I 18/18 VENTILATION ADDED INTO SWITCH ROOM 2017 CURTAIN 1 H/52
- H 18/11 DRAWING UPDATED TO REFLECT DETAIL 2 & UPDATED. VENTILATION TO ISOLATION SUITES UPDATED TO REFLECT TYPICAL DETAIL 2.
- G 27/17 CVD REFERENCES UPDATED
- F 23/16 VENTILATION DUCTWORK REVISED WITH VENTILATION SCHEME. ISOLATION ROOM VENTILATION SUPPLY BRANCH TAKEN TO ISOLATION SUITE
- E 04/18 ISOLATION VENTILATION ADDRESSED. REFER TO DRAWING WW-Z3-01-PL-524-001 FOR DETAIL 2.
- E 04/18 ISSUED AT REVISION E
- D 20/18 ISSUED FOR BUILDING WARRANT
- C 13/18 ISSUED AT REVISION C
- B 30/18 ISSUED AT REVISION B
- A 15/18 ISSUED AT REVISION A
- 1 01/17 T1 RFD ISSUE

Re-provision of RHSC and DCN at Little France

Client



Zone Z4 - LEVEL 01 VENTILATION DISTRIBUTION SHEET 1 OF 2

Drawing No. WW-Z4-01-PL-524-001
Revision J

Scale @ A0
As indicated JULY, 2015

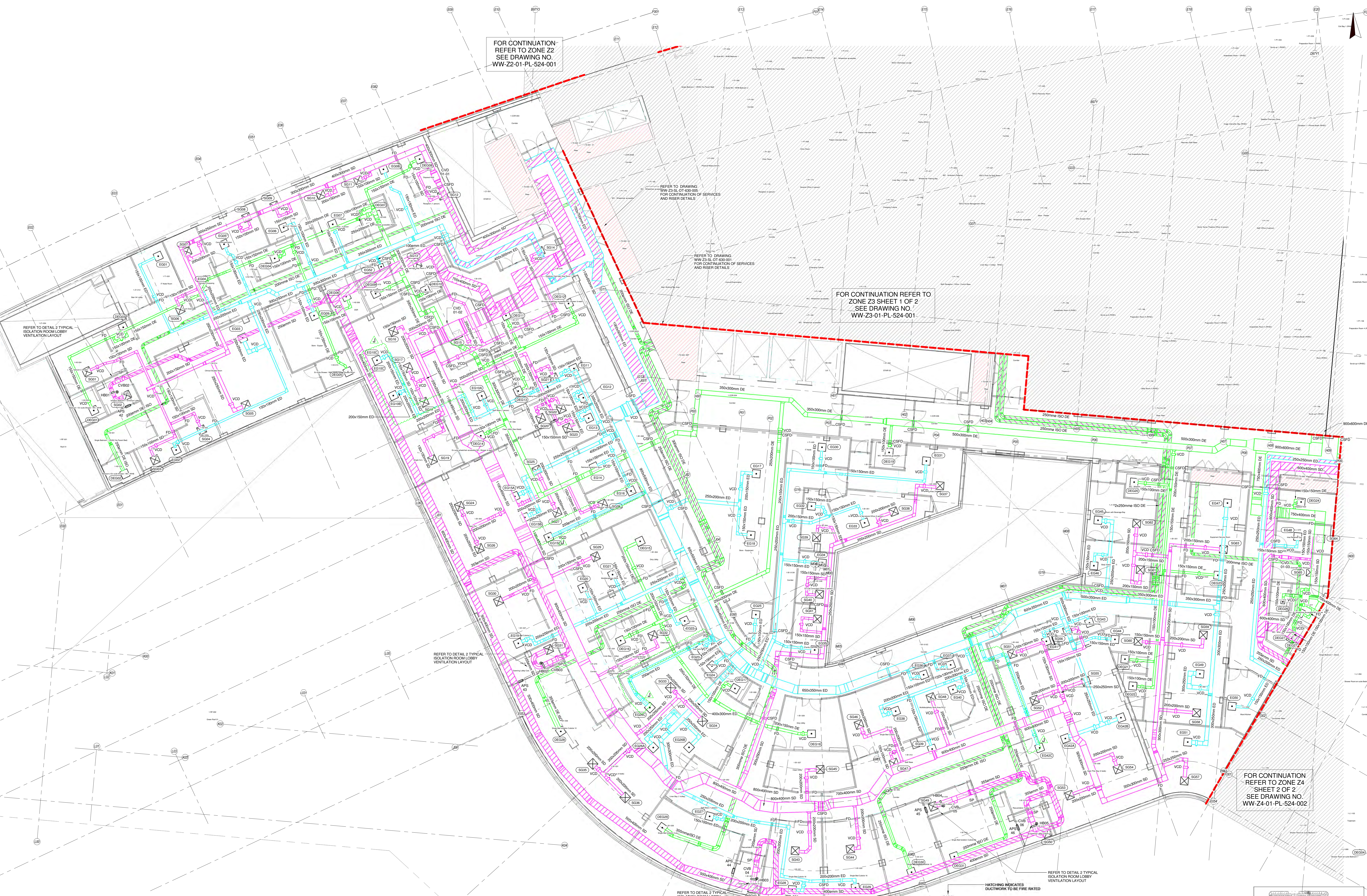
CONSTRUCTION



FOR CONTINUATION REFER TO ZONE Z2 SEE DRAWING NO. WW-Z2-01-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-Z3-01-PL-524-001

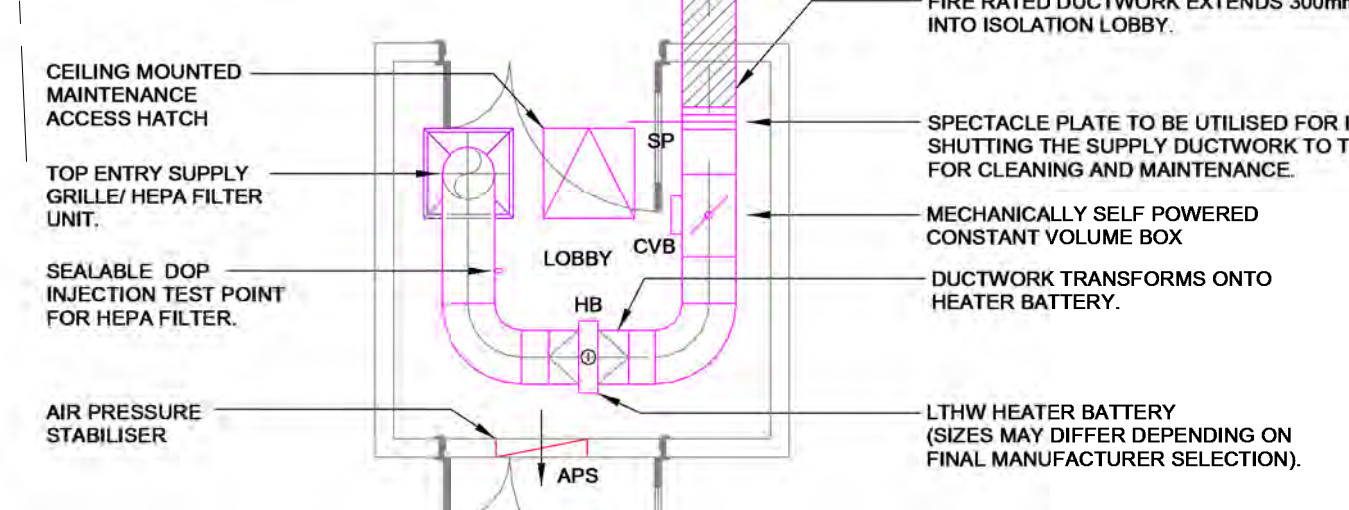
FOR CONTINUATION REFER TO ZONE Z4 SHEET 2 OF 2 SEE DRAWING NO. WW-Z4-01-PL-524-002



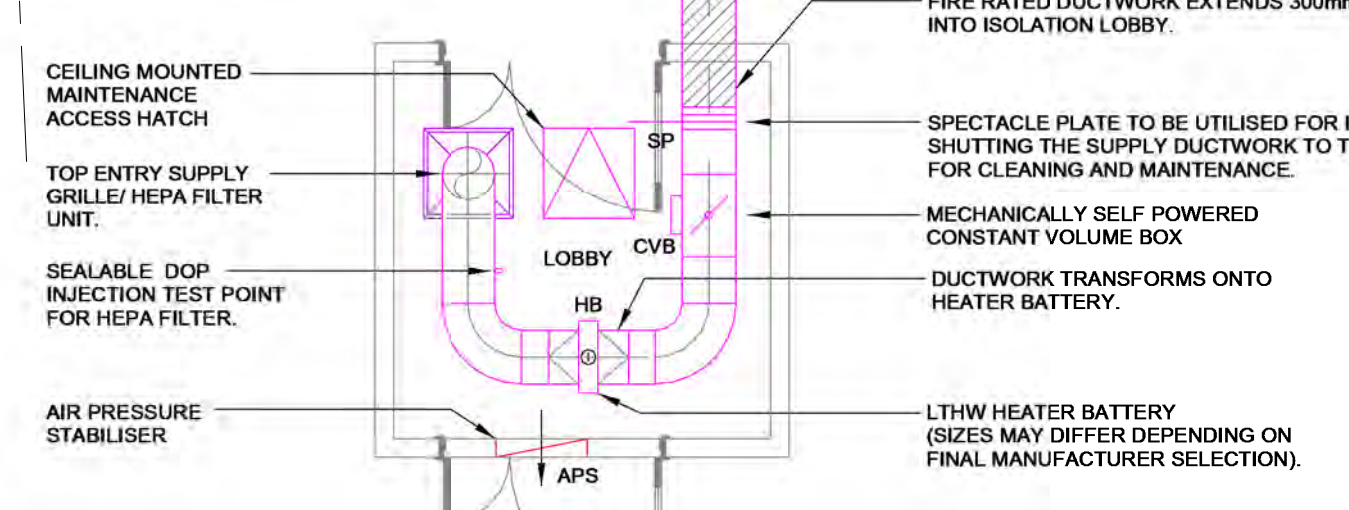
1 LEVEL 01 PLAN
1 : 100

ITEM	COMMENT	RESPONSE
1.	NO VENTILATION	VENTILATION ADDED TO ROOMS NOTED
2.	DIFFUSERS NOT SHOWN. DETAIL DIFFUSER TYPE.	DIFFUSERS ADDED. REFER TO SCHEDULES FOR DIFFUSER DETAILS
3.	CONFIRM OF LOBBY VENTILATION SYSTEM	RED LIFT LOBBY OMITTED. REFER TO DRAWING WW-Z4-PL-524-003 FOR DETAILS.

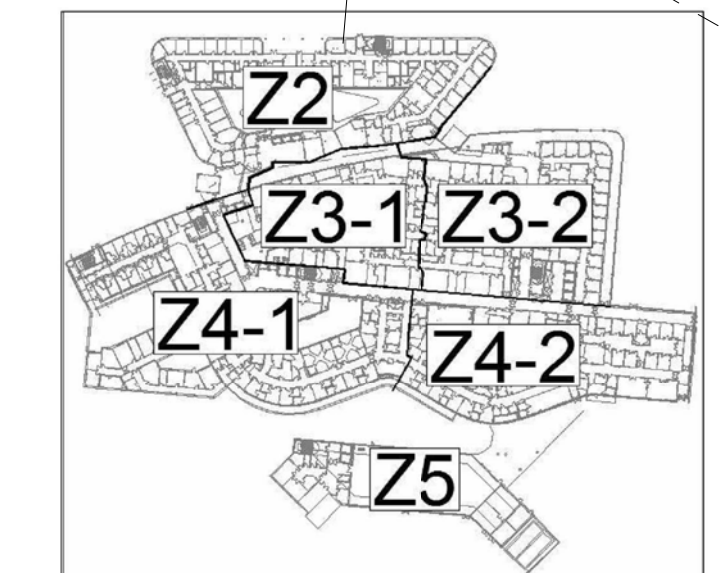
* COMMENTS BASED ON WW-Z4-01-PL-524-001 Rev 1 - STATUS C.



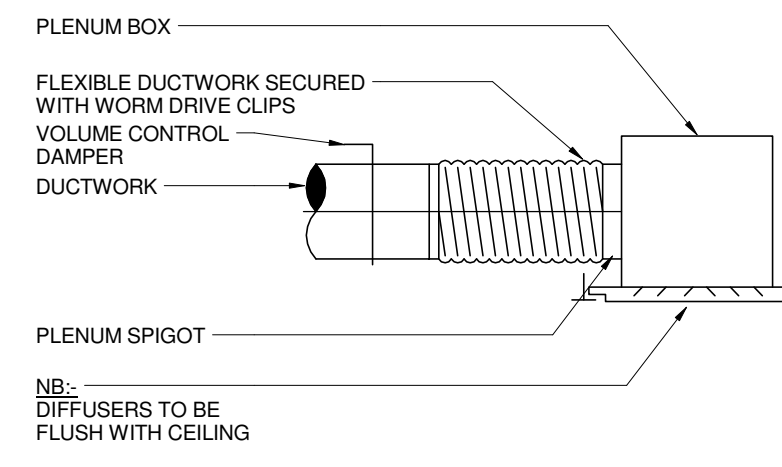
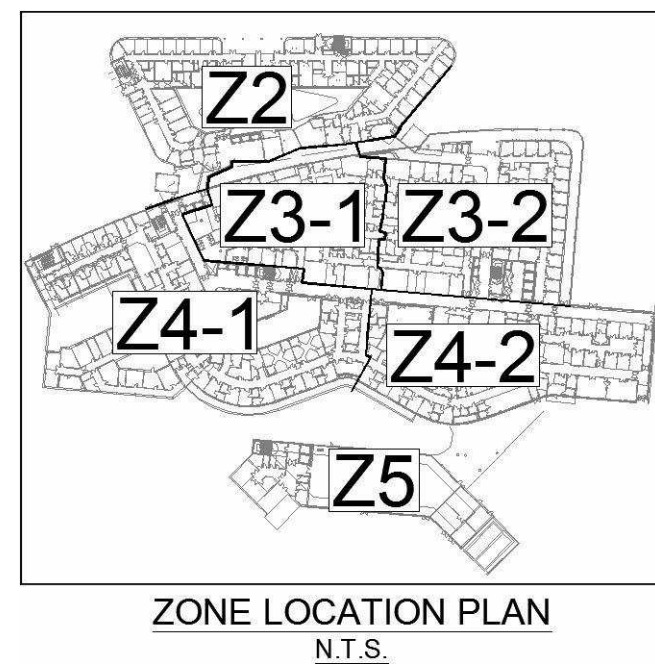
TYPICAL DETAIL 1
FLEXIBLE CONNECTION TO GRILLE PLENUM BOX
N.T.S.



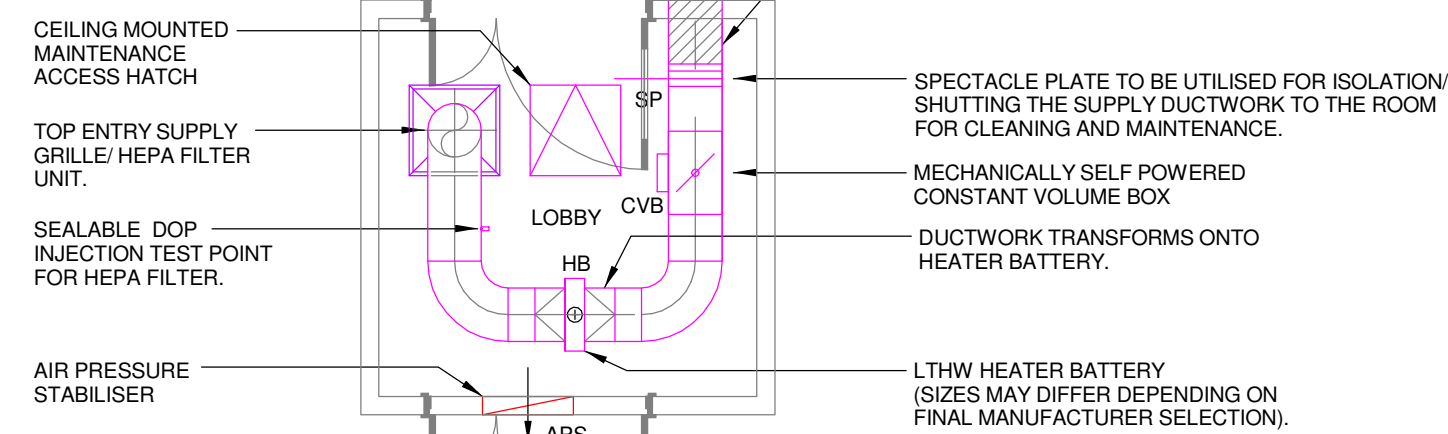
TYPICAL DETAIL 2
ISOLATION ROOM POSITIVE PRESSURE BED ACCESS LOBBY VENTILATION LAYOUT
N.T.S.



ZONE LOCATION PLAN
N.T.S.



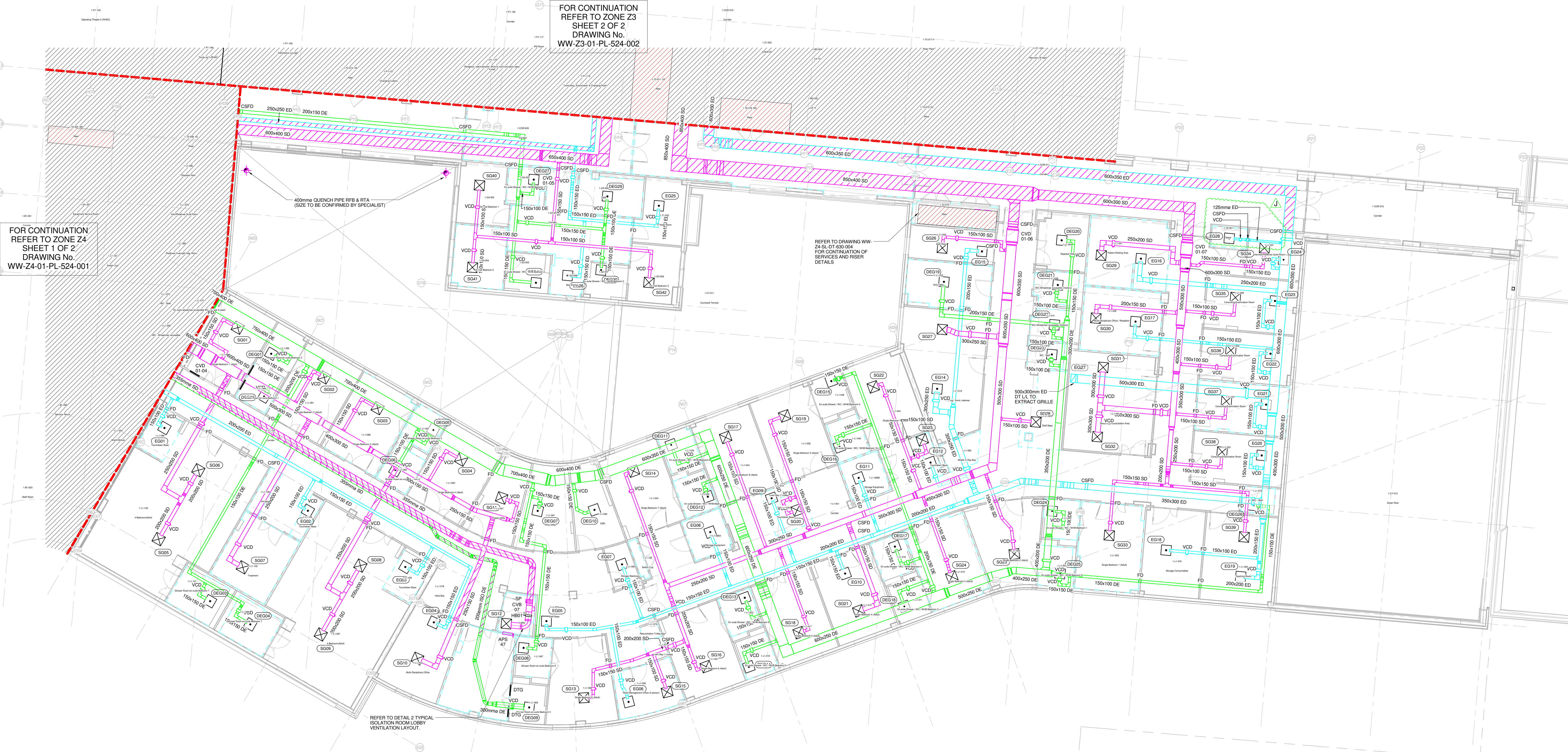
TYPICAL DETAIL 1
FLEXIBLE CONNECTION TO GRILLE PLENUM BOX
N.T.S.



TYPICAL DETAIL 2
ISOLATION ROOM POSITIVE PRESSURE
DELIVERABLE VENTILATION
N.T.S.

FOR CONTINUATION
REFER TO ZONE Z3
SHEET 2 OF 2
DRAWING No.
WW-Z3-01-PL-524-002

FOR CONTINUATION
REFER TO ZONE Z4
SHEET 1 OF 2
DRAWING No.
WW-Z4-01-PL-524-001



1 LEVEL 01 PLAN
1:100

Notes
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- Designer Identification of Hazard Risk
- Indicates a Residual Risk requiring a Compulsory Action
 - Indicates a Residual Risk for Information
 - ⊕ Indicates a Residual Risk requiring a Prohibitive Action
 - ⚠ Indicates a Residual Risk as a Warning

- LEGEND
- SD - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - MD - MOTOR CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - ISO DE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - NEO - NOTION EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
 - AHU - AIR HANDLING UNIT
 - DFA - DROP FROM ABOVE
 - DTB - DROP TO BELOW
 - DTLL - DROP TO LOW LEVEL
 - RTHL - RISE TO HIGH LEVEL
 - RFB - RISE FROM BELOW
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 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - OTS - DOOR TRANSFER GRILLE
 - FD - FIRE DAMPER
 - FC - INTUMESCENT FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE
 - SP - SPECTACLE PLATE

- NOTES
1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
 2. KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW17.
 3. COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK FROM THE RISERS THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 4. ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPIGOT.
 5. ALL GRILLES TO BE PROVIDED WITH POWER COATED AND ORRAL COLOUR APPROVED BY ARCHITECT.
 6. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 7. ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 8. PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
 9. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 10. ALL EXISTING IDENTIFIED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 11. FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH DW14.
 12. ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 13. SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 14. SUPPLY DUCTWORK BRANCHES SERVING EACH ISOLATION ROOM SHALL BE FITTED WITH A HEATER SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILIZED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 15. FLAME CUPBOARD EXTRACT DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICIZED POLYVINYL CHLORIDE (UPVC) COMPLYING WITH HVCA DOCUMENT DW14.
 16. ALL FLAME CUPBOARDS TO BE SUPPLIED BY OTHERS.
 17. ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECTS CURRENT FIRE STRATEGY.
 18. FLAME CUPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 300mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14175.
 19. THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH BOTH THE VENTILATION HEALTH CARE PREMISES - PART A - DESIGN AND VALIDATION.

J	2011	VENTILATION ADDED INTO IPS ROOM	SF	BR
J	2018	1:100: ALL AS PREVIOUSLY ADVISED ON RF 24/1018	MM	MM
I	2018	DRAWING UPDATED IN LINE WITH THE 2018 ARCHITECTS CURRENT FIRE STRATEGY	SF	BR
H	1703	UPDATED TO REFLECT CLIENT REQUIREMENTS	SJ	BR
G	03/02	UPDATED TO REFLECT CLIENT REQUIREMENTS	DM	SJ
F	18/17	DRAWING UPDATED TO REFLECT CURRENT FIRE STRATEGY. TYPICAL DETAIL 2 UPDATED. VENTILATION TO ISOLATION SUITES UPDATED TO REFLECT TYPICAL DETAIL 2	DM	BR
E	18/08	DRAWING UPDATED IN LINE WITH 2018 CURRENT FIRE STRATEGY CHANGING CSFD'S & FDS ADDED. QUENCH PIPE NOTES ADDED.	DM	SJ
D	23/06	VENTILATION DUCTWORK REVISED WITH 2018 ALTERNATIVE ISOLATION ROOM VENTILATION SCHEME.	DM	SJ
C	04/03	ISSUED AT REVISION C	AW	BR
B	18/01	ISSUED FOR BUILDING WARRANT	SJ	BR
A	11/09	ISSUED AT REVISION A	DM	SJ
1	02/07	T1 RFD ISSUE	DM	SJ
	2015		SJ	BR

Project
Re-provision of RHSC and DCN at Little France



Title
ZONE Z4 - LEVEL 01 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No. **WW-Z4-01-PL-524-002** Revision **J**

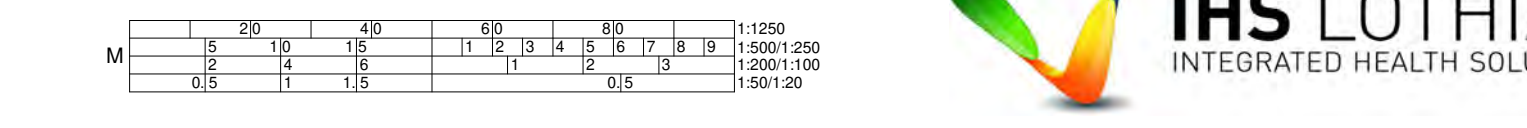
Scale @ A0 Date **JULY, 2015**

Status **CONSTRUCTION**



ITEM	COMMENT	RESPONSE
1.	NO VENTILATION.	VENTILATION ADDED TO ROOMS NOTED.
2.	DIFFUSERS NOT SHOWN. DETAIL DIFFUSER TYPE.	DIFFUSERS ADDED. REFER TO SCHEDULES FOR DIFFUSER DETAILS.
3.	EXTRACT DUCT NOT FIRE RATED ON WW-Z4-01-PL-524-002.	FIRE RATING REMOVED.
4.	NO COMMENT.	NO ACTION.

* COMMENTS BASED ON WW-Z4-01-PL-524-002 Rev F - STATUS A.

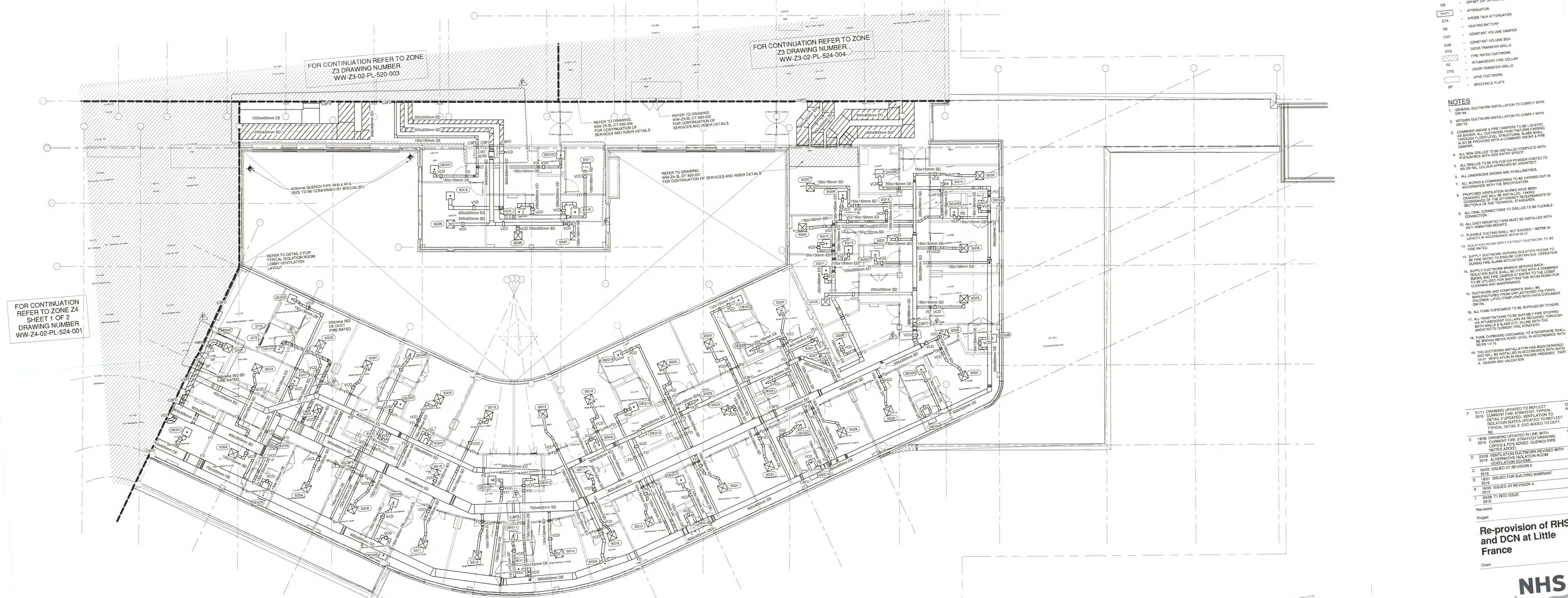
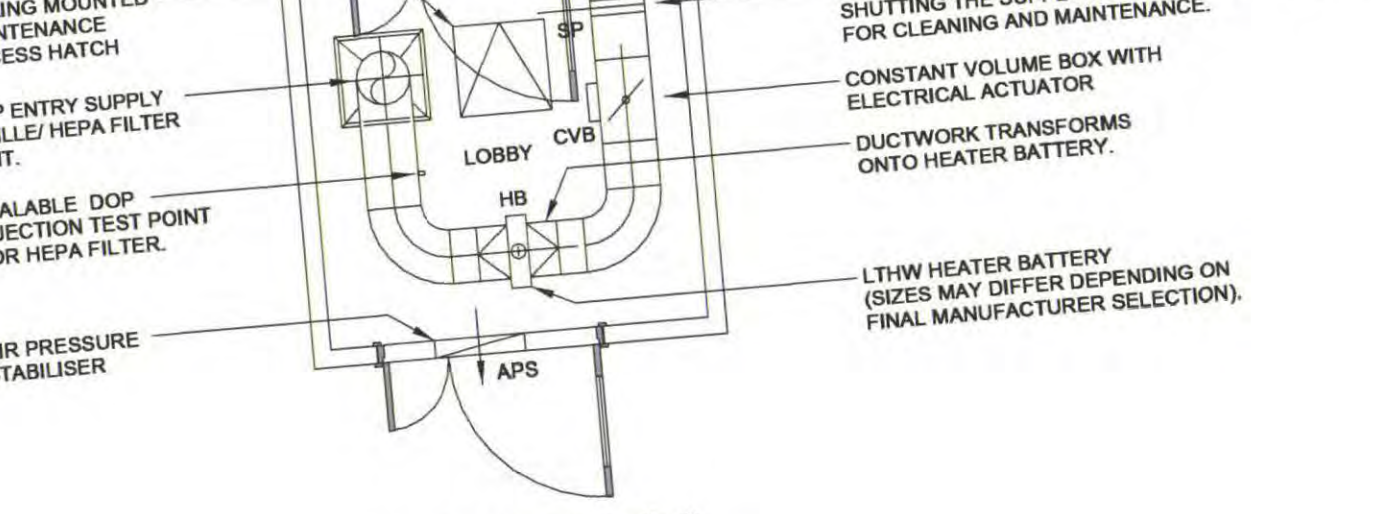
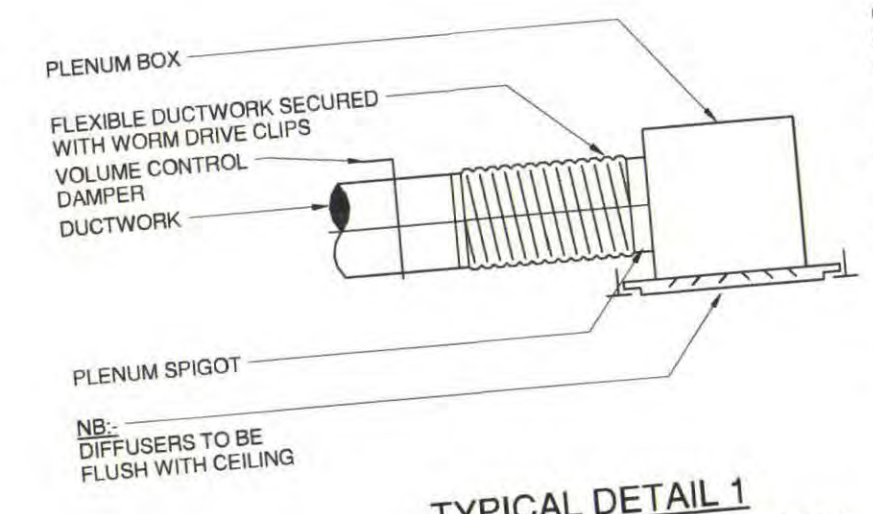


LEGEND

- SD - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DES - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- DE - DIRTY ISOLATION EXTRACT
- DEF - DIRTY EXTRACT FAN
- KEO - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- AHU - AIR HANDLING UNIT
- DFA - DROF FROM ABOVE
- DTB - DROF TO BELOW
- DTL - DROF TO LEVEL
- DTLH - RISE TO HIGH LEVEL
- HTL - RISE FROM BELOW
- HTA - RISE TO ABOVE
- OS - OFFSET UP OR DOWN
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- CTB - CROSS TALK BATTERY
- HB - HEATING VOLUME DAMPER
- CVD - CONSTANT VOLUME DAMPER
- CVB - DOOR TRANSFER GRILLE
- DTG - FIRE RATED DUCTWORK
- FC - INTUMESCENT FIRE COLLAR
- DTG - DOOR TRANSFER GRILLE
- DTG - DUCTWORK
- SP - SPECTACLE PLATE

NOTES

1. GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DT14.
2. WITHIN DUCTWORK INSTALLATION TO COMPLY WITH DT12.
3. COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PIPING PASSING THROUGH CEILING LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
4. ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH WORM DRIVE CLIPS AND VOLUME CONTROL DAMPER.
5. ALL GRILLES TO BE POLYESTER POWDER COATED TO BS 6841 CLASS APPROVED BY ARCHITECT.
6. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
7. ALL WORKS TO BE COMPLETED TO THE SPECIFICATION.
8. PROPOSED VENTILATION WORKS HAVE BEEN ASSUMED AND WILL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TECHNICAL STANDARDS.
9. ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
10. ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
11. FLEXIBLE DUCTWORK SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH BS 6841.
12. ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
13. SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
14. SUPPLY DUCTWORK SERVING ISOLATION ROOMS SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AS SHOWN TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
15. DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPAINTED POLYETHYLENE TEREPHTHALATE (PET) COMPLYING WITH BS 6841 PART 1.
16. ALL FIRE CURBS/GIRDS TO BE SUPPLIED BY OTHERS.
17. ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT FIRE STOPPING THROUGH ARCHITECT'S SUPPORT FIRE STRATEGY.
18. FIRE CURBS/GIRDS TO BE INSTALLED IN ACCORDANCE WITH BS 6841 PART 1.
19. THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH BS 6841 PART 1 VENTILATION IN HEALTHCARE PREMISES - PART A - DESIGN AND VALIDATION.



FOR CONTINUATION REFER TO ZONE Z4 SHEET 1 OF 2 DRAWING NUMBER WW-Z4-02-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 DRAWING NUMBER WW-Z3-02-PL-520-003

FOR CONTINUATION REFER TO ZONE Z3 DRAWING NUMBER WW-Z3-02-PL-524-004

LEVEL 02 PLAN 1:100

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	NO COMMENTS	STATUS A

* COMMENTS BASED ON WW-Z4-02-PL-524-002 Rev E - STATUS A.

Approval stamp with signature and date: 10/11/2015

Approval stamp with signature and date: 10/11/2015

Re-provision of RHSC and DCN at Little France

Client

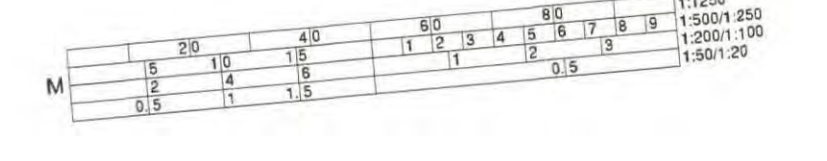


Zone Z4 - LEVEL 02 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No. WW-Z4-02-PL-524-002

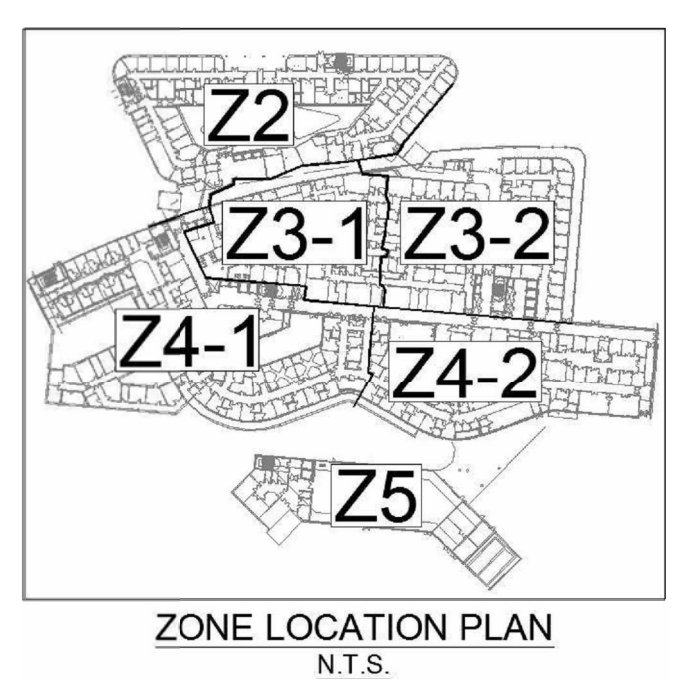
Scale @ A0 Date As indicated JULY, 2015

Status CONSTRUCTION



Notes
Check all dimensions on site. Do not scale from this drawing.
Report any discrepancies and dimensions to drawing originator.
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- Indicates a Residual Risk requiring a Compulsory Action
- ⓘ Indicates a Residual Risk for Information
- ⊘ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning



- LEGEND**
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEGS - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - MD - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - SD IE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
 - AHU - AIR HANDLING UNIT
 - DFA - DROP FROM ABOVE
 - DTB - DROP TO BELOW
 - DTLH - DROP TO LOW LEVEL
 - RTHL - RISE TO HIGH LEVEL
 - RFB - RISE FROM BELOW
 - RTA - RISE TO ABOVE
 - OS - OFFSET UP (OR DOWN)
 - ATT - ATTENUATOR
 - CTA - CROSS TALK ATTENUATOR
 - HTA - HEATING TALK ATTENUATOR
 - CVD - CONSTANT VOLUME DAMPER
 - CVB - CONSTANT VOLUME BOX
 - DTG - DOOR TRANSFER GRILLE
 - FC - FIRE RATED DUCTWORK
 - IC - INTUMESCENT FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE
 - SP - SPECTACLE PLATE

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DM172.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DM172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PENUMBRON WITH SILENT ENTRY (SPENT).
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS ORIAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMMISSIONING TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED, TAKING COGNISANCE OF THE EFFICIENCY REQUIREMENTS OF SECTORS OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE SPTM 03-01.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER TO BE FITTED TO THE UTI USED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 - FUME CLIPBOARD EXTRACT DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYVINYL CHLORIDE (PVC) COMPLYING WITH ICA OCCUPATIONAL HEALTH & SAFETY.
 - ALL FUME CLIPBOARDS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH BOTH WALLS & FLOOR SLAB IN LINE WITH THE ARCHITECT'S CORNER FIRE STOPPING DETAIL.
 - FUME CLIPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 300mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14752.
 - THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH THE SPTM 03-01 VENTILATION IN HEALTHCARE PREMISES: PART A DESIGN AND VALIDATION.

G	01/95	GENERAL EXTRACT INTRODUCED INTO ROOMS 3-09-022, 3-C1-1-018 & 3-C1-1-046 TO ACHIEVE A ROOM BALANCE	DM	BR
F	23/11	MVC-044A VENTILATION TO PATIENT SHOWER ARE TYPICAL. DUCT SIZE INCREASED. DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY. TYPICAL DETAIL 2. UPDATED VENTILATION TO ISOLATION SUITE UPDATED TO SUIT	DM	SJ
E	19/18	DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY. DRAWING CHANGED. CVD REFERENCED TO ISOLATION SUITE UPDATED TO SUIT	DM	SJ
D	23/18	VENTILATION DUCTWORK REVISED WITH ALTERNATIVE ISOLATION ROOM VENTILATION SCHEME	DM	SJ
C	04/13	ISSUED AT REVISION C	AW	SJ
B	19/11	ISSUED FOR BUILDING WARRANT	DM	SJ
A	13/11	ISSUED AT REVISION A	DM	LM

Re-provision of RHSC and DCN at Little France



Zone Z4 - LEVEL 03 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No: WW-Z4-03-PL-524-002 Revision: G

Scale: @ A0 Date: As indicated JAN. 2015

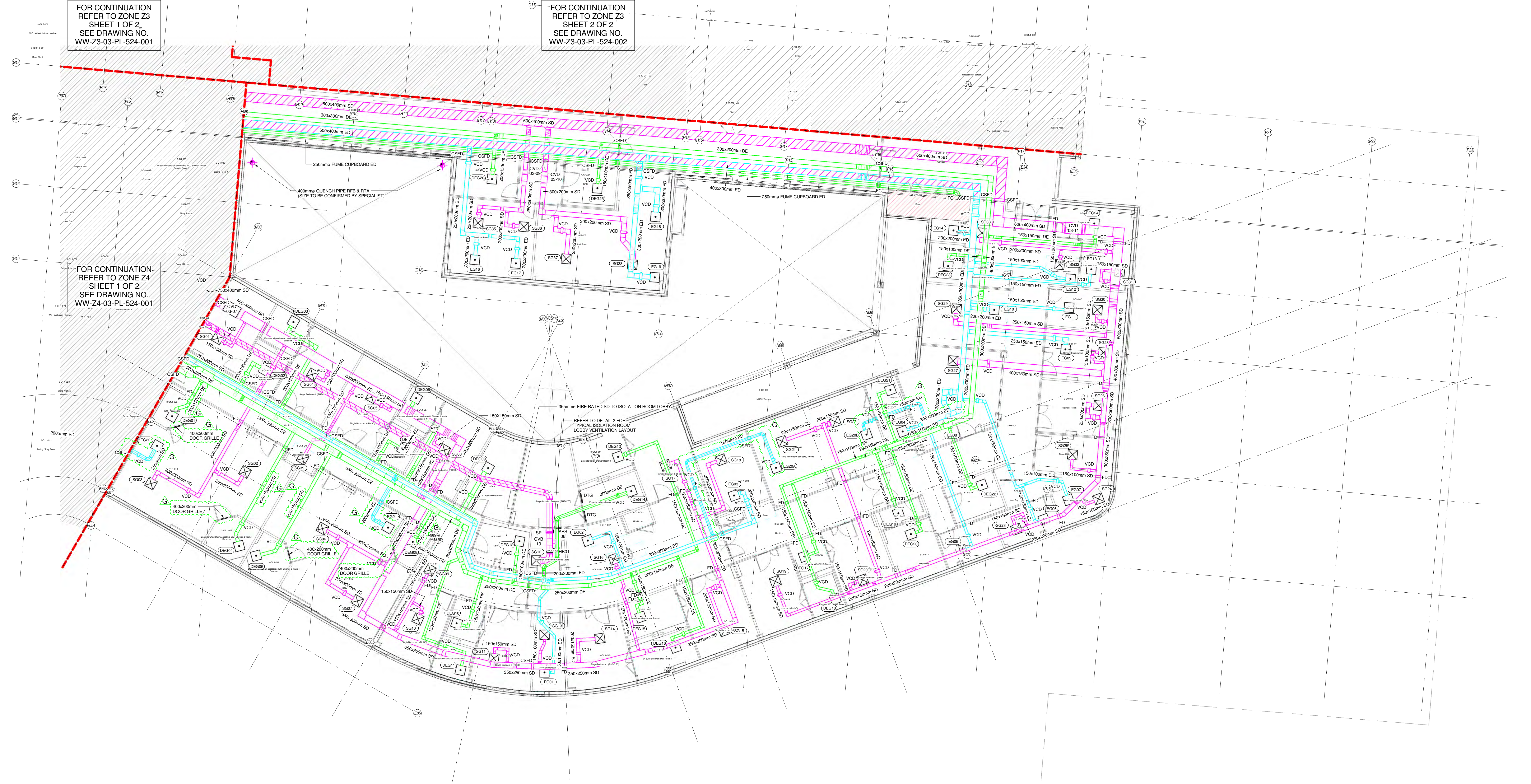
Status: CONSTRUCTION



FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-Z3-03-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 2 OF 2 SEE DRAWING NO. WW-Z3-03-PL-524-002

FOR CONTINUATION REFER TO ZONE Z4 SHEET 1 OF 2 SEE DRAWING NO. WW-Z4-03-PL-524-001

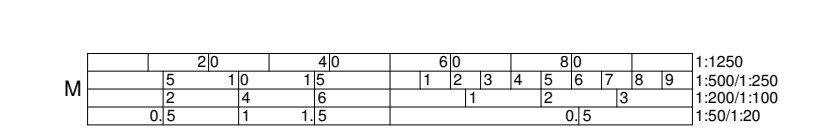
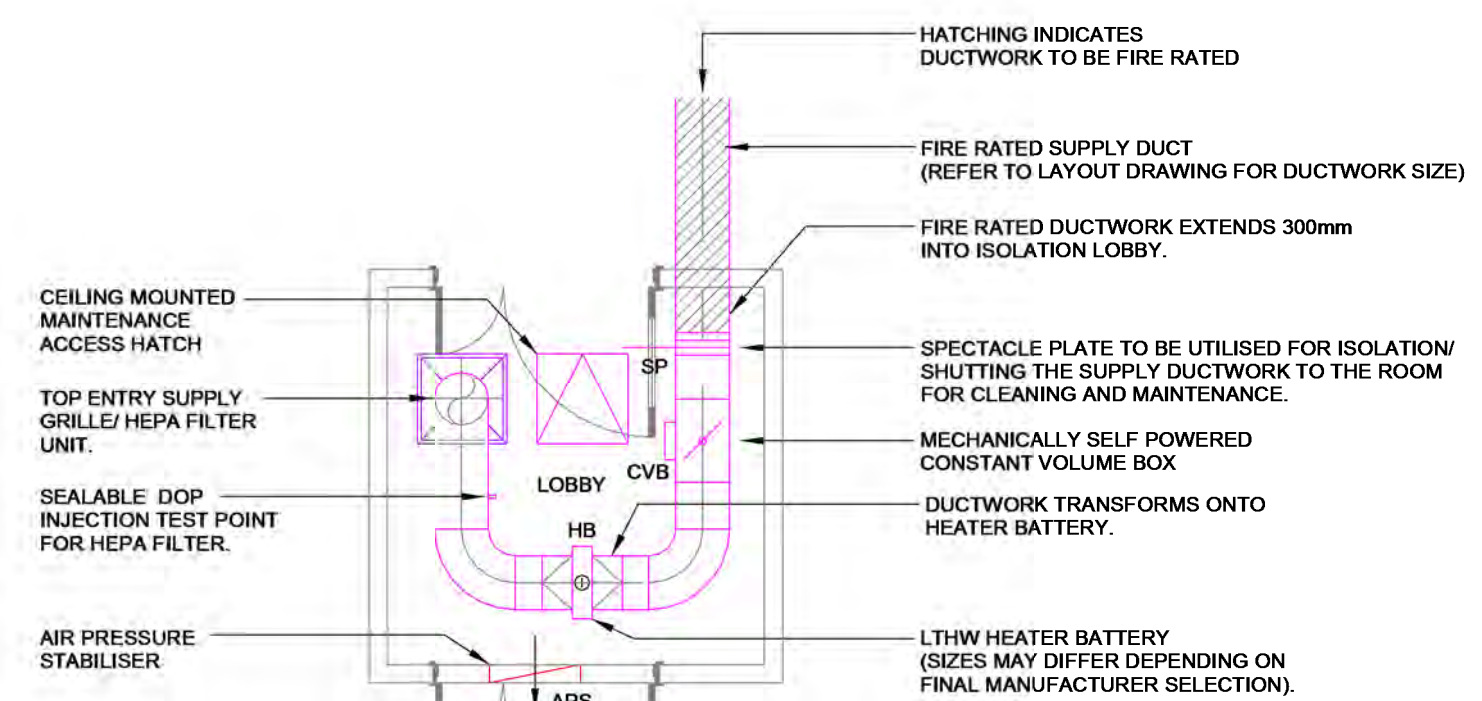
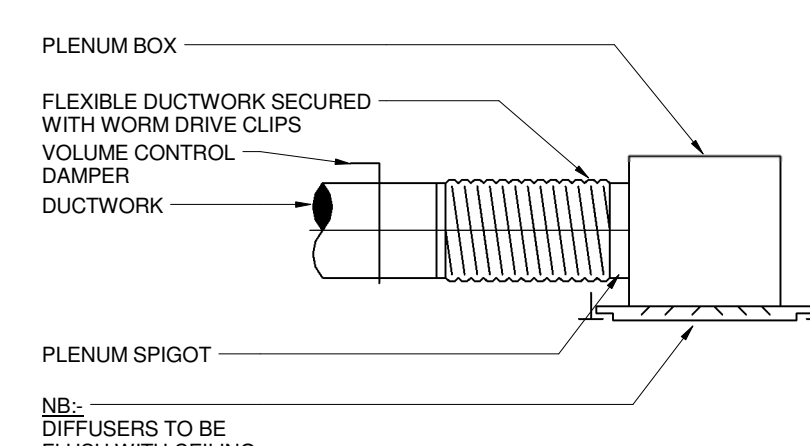


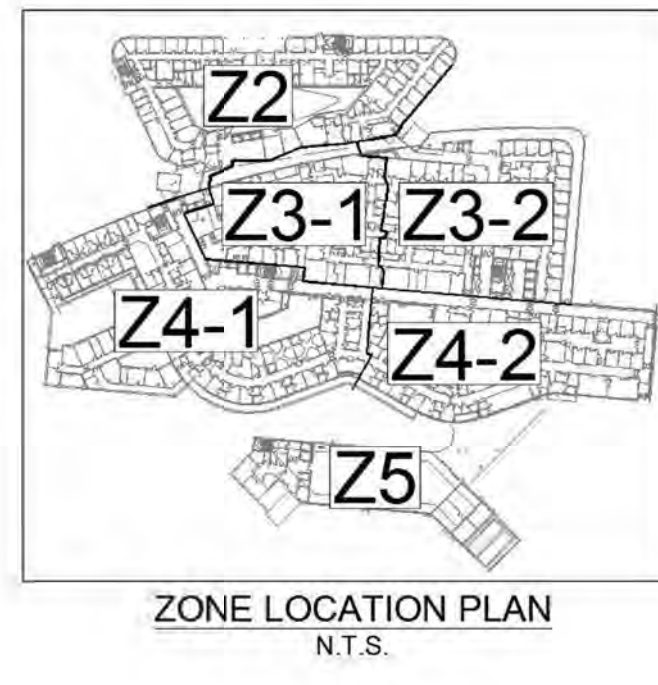
LEVEL 03 PLAN
1:100

RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	DUCT SIZES TO BE CONFIRMED FROM WW-24-03-PL-524-001	AMENDED.
2.	REVIEW FD ARRANGEMENTS TO ENSURE THEY ARE IN PLACE WHERE REQUIRED.	FIRE DAMPER ARRANGEMENTS HAVE BEEN UPDATE IN LINE WITH CURRENT FIRE STRATEGY DRAWING.

* COMMENTS BASED ON WW-Z4-03-PL-524-002 Rev C STATUS B.

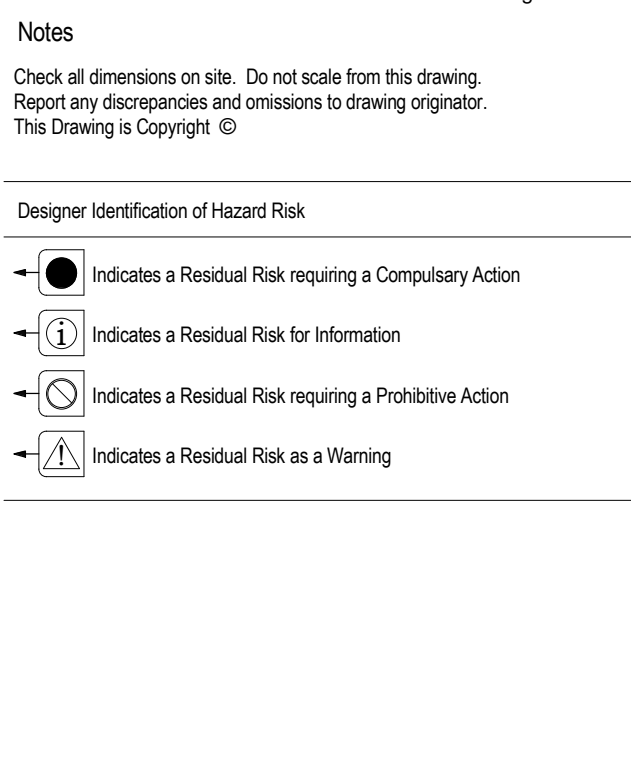




RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	DUCTS NOT SHOWN IN RISER	DRAWING WW-Z3-SL-DT-630-001 REV C INDICATES 2 NO. FUME CLIPBOARD EXTRACT DUCTS ENTERING RISER AT LEVEL 04.
2.	PROVIDE DETAIL OF ROOF VENTS DUCT	DUCTWORK TO ROOF CURRENTLY IN ABBEYANCE SUBJECT TO CONFIRMATION OF KITCHEN EXTRACT CANOPY DETAIL FROM CDS.
3.	CONFIRM CHANGE IN DUCT SIZE WITHOUT NO VISIBLE BRANCHES.	350x250mm KED DUCTWORK BRANCH SHOWN TO CDS DISHWASHER CANOPY CURRENTLY IN ABBEYANCE SUBJECT TO CONFIRMATION OF DETAILS FROM CDS.

* COMMENTS BASED ON WW-Z4-04-PL-524-001 Rev C - STATUS B.



LEGEND

- SG - SUPPLY GRILLE
- EG - EXTRACT GRILLE
- DEG - DIRTY EXTRACT GRILLE
- VCD - VOLUME CONTROL DAMPER
- APS - AIR PRESSURE STABILISER
- MD - MOTOR CONTROL DAMPER
- CSFD - COMBINED SMOKE & FIRE DAMPER
- FD - FIRE DAMPER
- ED - EXTRACT DUCT
- SD - SUPPLY DUCT
- DE - DIRTY EXTRACT
- DEI - DIRTY ISOLATION EXTRACT
- DEE - DIRTY EXTRACT FAN
- KEE - KITCHEN EXTRACT DUCT
- FAI - FRESH AIR INTAKE
- EX - EXHAUST
- HAU - AIR HANDLING UNIT
- DFA - DROP FROM ABOVE
- DRP - DROP TO BELOW
- DTL - DROP TO LOW LEVEL
- RTHL - RISE TO HIGH LEVEL
- RFB - RISE FROM BELOW
- RTA - RISE TO ABOVE
- OS - OFFSET (UP OR DOWN)
- ATT - ATTENUATOR
- CTA - CROSS TALK ATTENUATOR
- HB - HEATING BATTERY
- CVD - CONSTANT VOLUME DAMPER
- DTG - DOOR TRANSFER GRILLE
- FC - FIRE RATED DUCTWORK
- FC - INTUMESCENT FIRE COLLAR
- DTG - DOOR TRANSFER GRILLE
- UD - UPVC DUCTWORK

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW114.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL SLABS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY (SP02).
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & COMPONENTS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING CONSIDERATION OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT INSTALLED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE WITH BS11.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A SPRING-CLOSED GAS TIGHT DAMPER AT ENTRY TO THE LOBBY IN ACCORDANCE WITH SPEN OR SUPPLEMENT.
 - DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM ABS/ABS/ABS FOR FUMES FROM DISHWASHER CANOPY COMPLYING WITH HACA DOCUMENT DW154.
 - ALL FUME CLIPBOARDS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SUITABLY FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECT'S CURRENT FIRE STRATEGY.
 - FUME CLIPBOARD DISCHARGE TO ATMOSPHERE SHALL BE 3000mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS EN 14785.

Revisions

Revision	Description	Author	Check	Date
D	19188 DRAWING UPDATED IN LINE WITH 2019 CURRENT FIRE STRATEGY DRAWING. CSEDS & EDS ADDED.	DAW	JS	
C	0403 ISSUED AT REVISION C	AW	BR	
B	19011 ISSUED FOR BUILDING WARRANT	DAW	JS	
A	13111 ISSUED AT REVISION A	DAW	LM	

Re-provision of RHSC and DCN at Little France

Client:



ZONE Z4 - LEVEL 04 VENTILATION DISTRIBUTION SHEET 1 OF 2

Drawing No: **WW-Z4-04-PL-524-001** Revision: **D**

Scale @ A0 Date: **JAN. 2015**

Status: **CONSTRUCTION**



FOR CONTINUATION REFER TO DRAWING NO. WW-Z2-04-PL-524-001

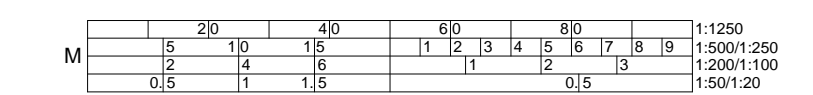
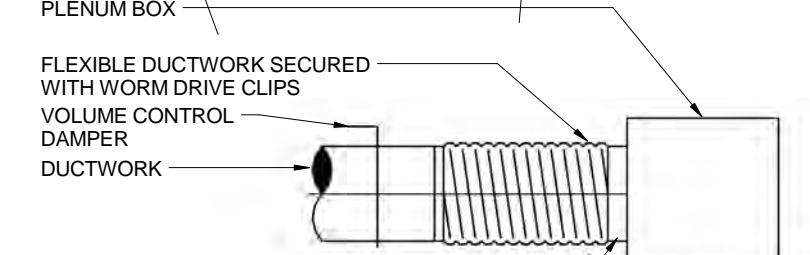
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FOR CONTINUATION REFER TO DRAWING NO. WW-Z3-04-PL-520-001

FOR CONTINUATION REFER TO DRAWING NO. WW-Z4-04-PL-520-001

FOR CONTINUATION REFER TO DRAWING NO. WW-Z4-04-PL-524-002

AWAITING CANOPY DRAWING FROM CDS

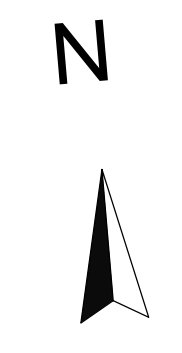
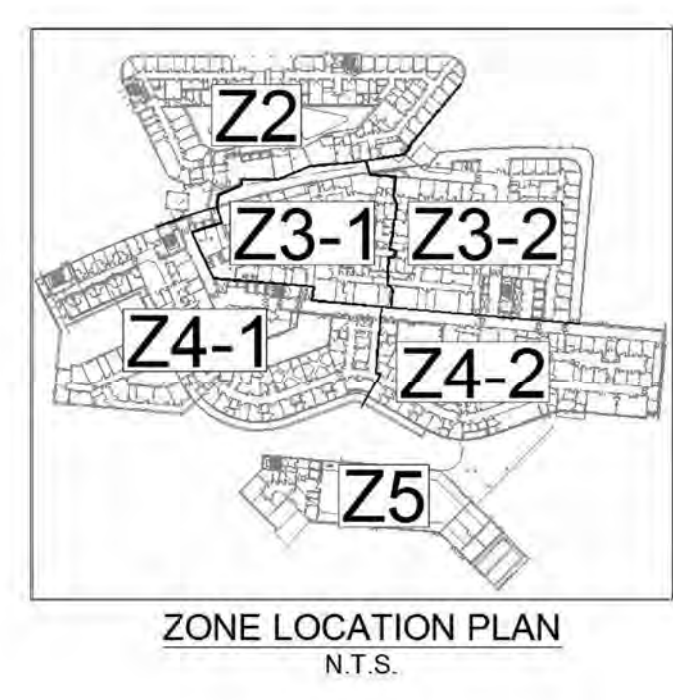


1 LEVEL 04 PLAN
1:100

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- Designer Identification of Hazard Risk
- Indicates a Residual Risk requiring a Compulsory Action
 - Ⓢ Indicates a Residual Risk for Information
 - ⓐ Indicates a Residual Risk requiring a Prohibitive Action
 - Ⓜ Indicates a Residual Risk as a Warning

- LEGEND
- SG - SUPPLY GRILLE
 - EG - EXTRACT GRILLE
 - DEG - DIRTY EXTRACT GRILLE
 - VCD - VOLUME CONTROL DAMPER
 - APS - AIR PRESSURE STABILISER
 - MD - MOTOR CONTROL DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - FD - FIRE DAMPER
 - ED - EXTRACT DUCT
 - SD - SUPPLY DUCT
 - DE - DIRTY EXTRACT
 - ISO DE - DIRTY ISOLATION EXTRACT
 - DEF - DIRTY EXTRACT FAN
 - KED - KITCHEN EXTRACT DUCT
 - FAI - FRESH AIR INTAKE
 - EX - EXHAUST
 - AHU - AIR HANDLING UNIT
 - DFA - DROP FROM ABOVE
 - OTB - DROP TO BELOW
 - OTL - DROP TO LOW LEVEL
 - OTHL - RISE TO HIGH LEVEL
 - RWB - RISE FROM BELOW
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 - CTA - CROSS TALK ATTENUATOR
 - HB - HEATING BATTERY
 - CVD - CONSTANT VOLUME DAMPER
 - DTG - DOOR TRANSFER GRILLE
 - FRG - FIRE RATED DUCTWORK
 - FC - INTUMESCENT FIRE COLLAR
 - DTG - DOOR TRANSFER GRILLE
 - LDG - LUPVC DUCTWORK

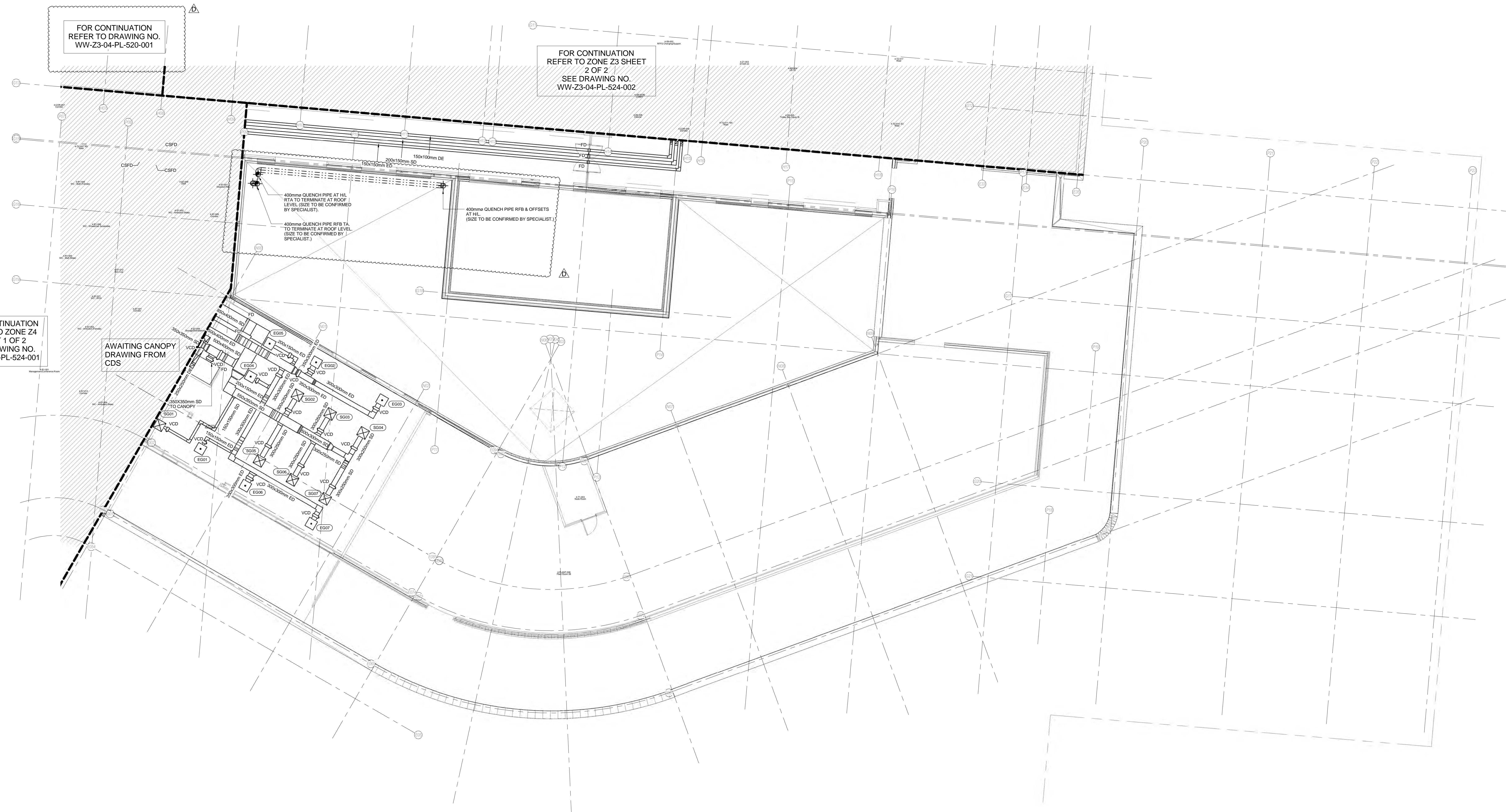


FOR CONTINUATION
REFER TO DRAWING NO.
WW-Z3-04-PL-524-001

FOR CONTINUATION
REFER TO ZONE Z3 SHEET
2 OF 2
SEE DRAWING NO.
WW-Z3-04-PL-524-002

FOR CONTINUATION
REFER TO ZONE Z4
SHEET 1 OF 2
SEE DRAWING NO.
WW-Z4-04-PL-524-001

AWAITING CANOPY
DRAWING FROM
CDS



- NOTES
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW114.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW172.
 - COMBINED SMOKE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURAL GLASS SHALL ALSO BE PROVIDED WITH A COMBINED SMOKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETE WITH PLENUM BOX WITH SIDE ENTRY SPIGOT.
 - ALL GRILLES TO BE POLYESTER POWDER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORK IS COMMISSIONED TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED TAKING COGNIZANCE OF THE EFFICIENCY REQUIREMENTS OF SECTION 6 OF THE TECHNICAL STANDARDS.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
 - ALL DUCT MOUNTED FANS MUST BE INSTALLED WITH ANTI VIBRATION MOUNTS.
 - FLEXIBLE DUCTING SHALL NOT EXCEED 1 METRE IN LENGTH IN ACCORDANCE SPTM 01-01.
 - ISOLATION ROOM DIRTY EXTRACT DUCTWORK TO BE FIRE RATED.
 - SUPPLY DUCTWORK SERVING ISOLATION ROOMS TO BE FIRE RATED TO ENSURE CONTINUOUS OPERATION DURING FIRE ALARM ACTIVATION.
 - SUPPLY DUCTWORK BRANCH SERVING EACH ISOLATION SUITE SHALL BE FITTED WITH A COMBINED SMOKE AND FIRE DAMPER AT ENTRY TO THE LOBBY TO BE UTILISED FOR SHUTTING THE ROOM DOWN FOR CLEANING AND MAINTENANCE.
 - DUCTWORK AND COMPONENTS SHALL BE MANUFACTURED FROM UNPLASTICISED POLYVINYL CHLORIDE (UPVC) COMPLYING WITH HCA DOCUMENT DW154.
 - ALL FUME CURTAINS TO BE SUPPLIED BY OTHERS.
 - ALL PENETRATIONS TO BE SURFACE FIRE STOPPED VIA INTUMESCENT COLLARS AS REQUIRED, THROUGH BOTH WALLS & SLABS ETC. IN LINE WITH THE ARCHITECTS CURRENT FIRE STRATEGY.
 - FUME CURTAIN DISCHARGE TO ATMOSPHERE SHALL BE 300mm ABOVE ROOF LEVEL IN ACCORDANCE WITH BS 114.
 - THE DUCTWORK INSTALLATION HAS BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH SPTM 0201 VENTILATION IN HEALTH CARE PREMISES - PART A - DESIGN AND VALIDATION.

D	19/08	QUENCH PIPE NOTES ADDED.	DAW	JB
C	04/03	ISSUED AT REVISION C	AW	BR
B	19/01	ISSUED FOR BUILDING WARRANT	DAW	JB
A	13/11	ISSUED AT REVISION A	DAW	LM
	2015		DAW	BR

Project
Re-provision of RHSC and DCN at Little France
Client



Title
ZONE Z4 - LEVEL 04 VENTILATION DISTRIBUTION SHEET 2 OF 2

Drawing No.
WW-Z4-04-PL-524-002

Scale @ A0
As indicated

Status
CONSTRUCTION

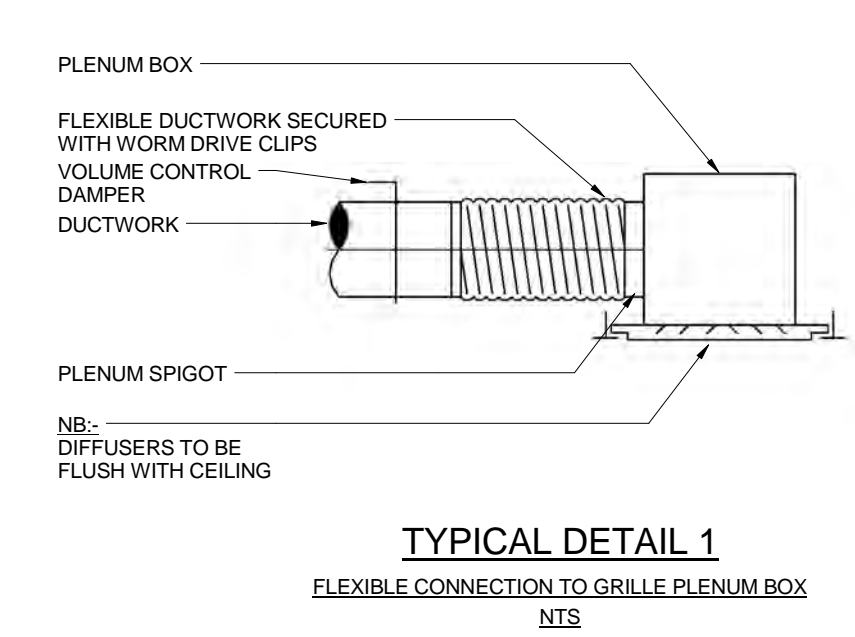


RDD COMMENTS

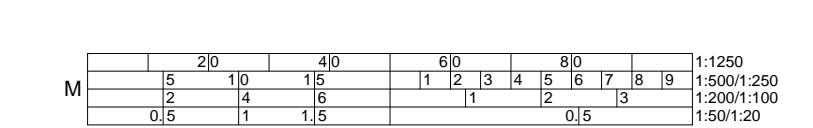
ITEM	COMMENT	RESPONSE
1.	NO COMMENTS	STATUS A.

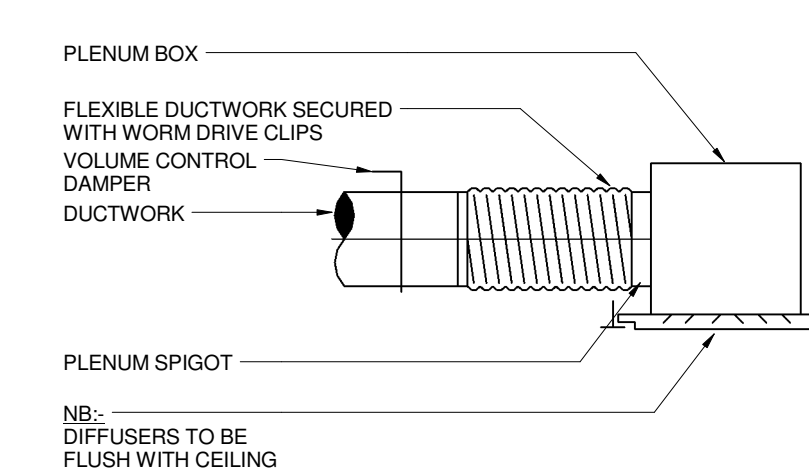
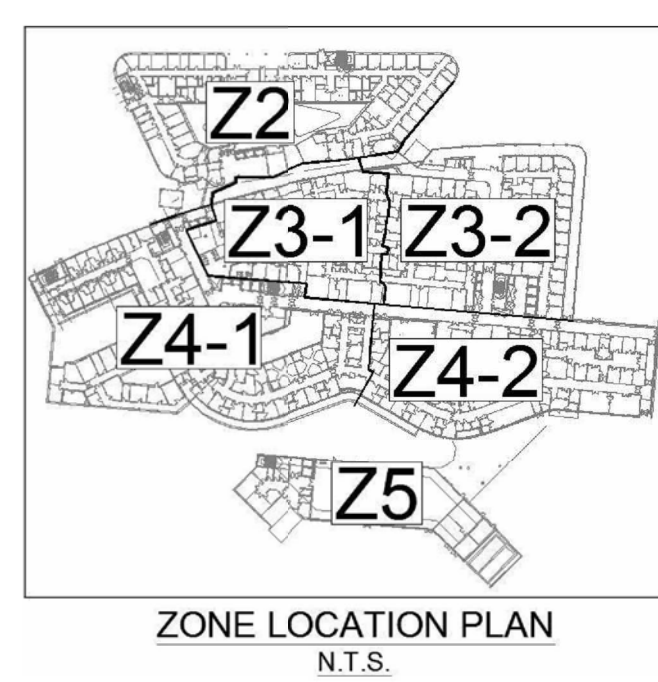
* COMMENTS BASED ON WW-Z4-04-PL-524-002 Rev C - STATUS A

AWAITING COMMENTS FROM NHSL

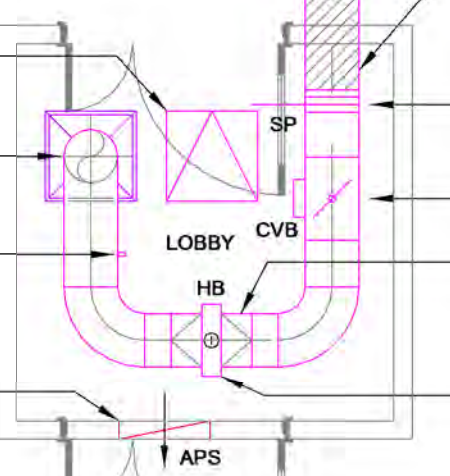


LEVEL 04 PLAN
1:100

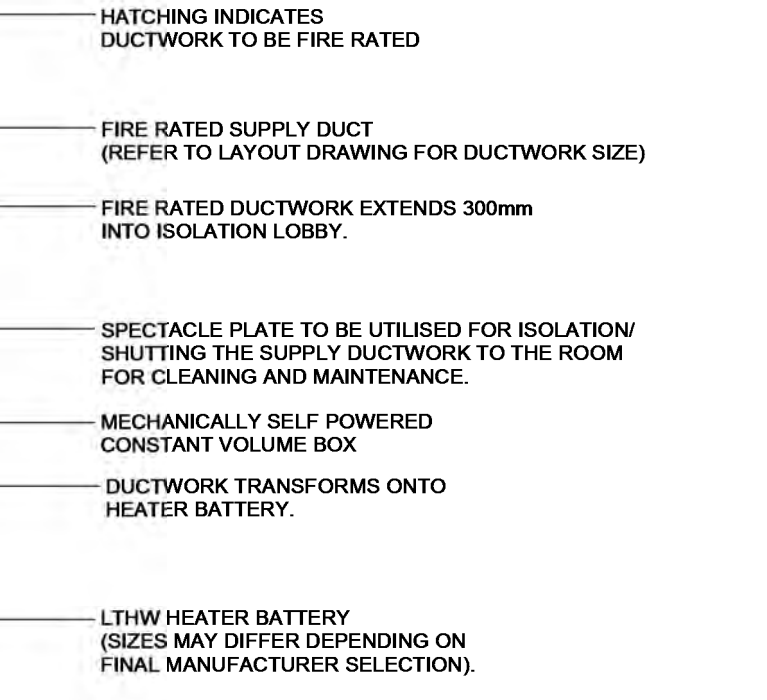




TYPICAL DETAIL 1 FLEXIBLE CONNECTION TO GRILLE PLENUM BOX N.T.S.



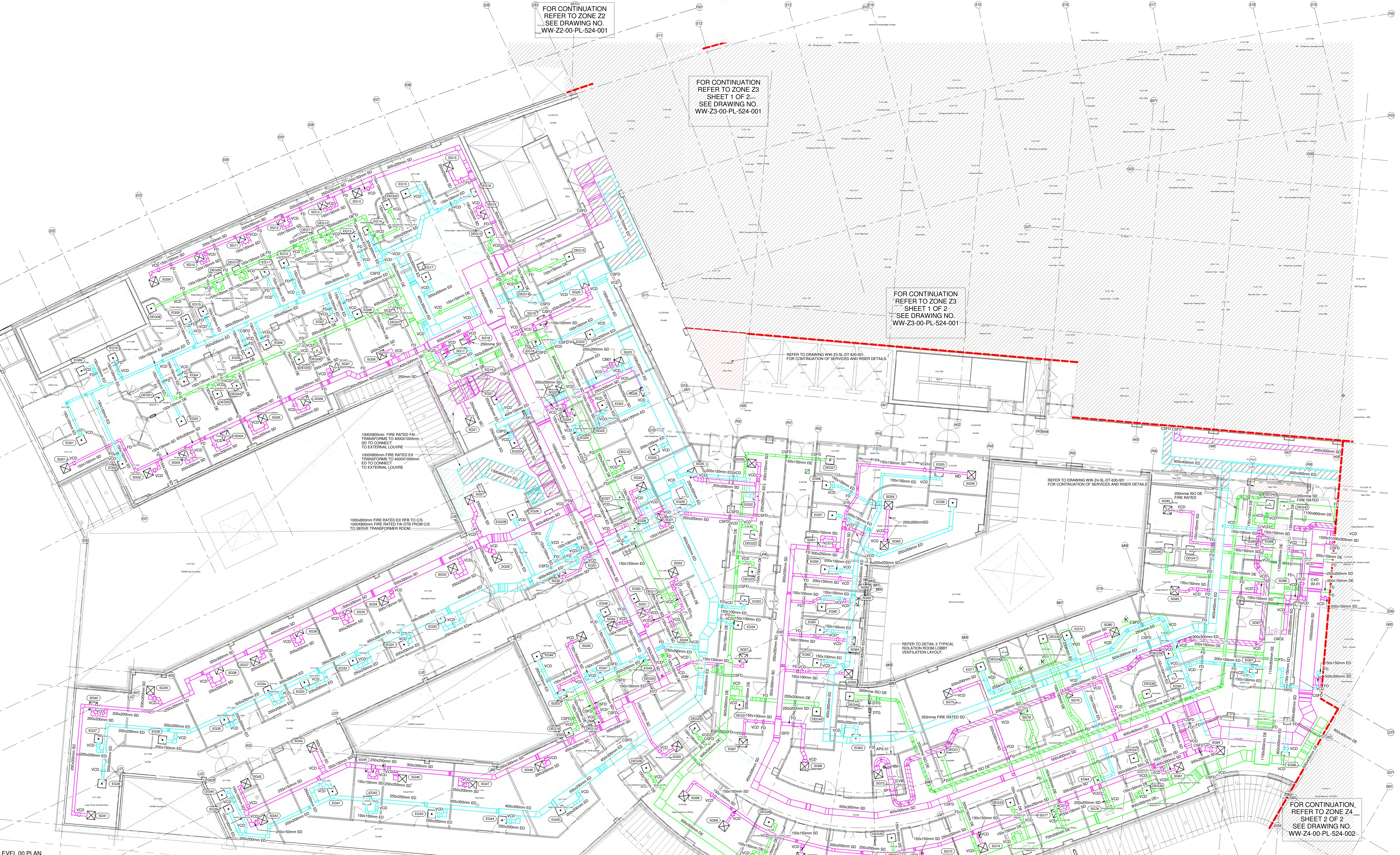
TYPICAL DETAIL 2 ISOLATION ROOM POSITIVE PRESSURE REG ACCESS LOBBY VENTILATION LAYOUT N.T.S.



ITEM	COMMENT	RESPONSE
1.	DIFFUSERS NOT SHOWN. DETAIL DIFFUSER TYPE.	DIFFUSERS ADDED. REFER TO SCHEDULES FOR DIFFUSER DETAILS
2.	CONFIRM LOBBY VENTILATION SYSTEM DESCRIPTION	BED LIFT LOBBY OMITTED. REFER TO DRAWING WW-24-00-PL-524-001 FOR DETAILS
3.	CLARIFICATION OF DUCT SIZE.	DUCT SIZES AMENDED.
4.	NOTE OF COMPLIANCE WITH SHTM 03-01 TO BE ADDED TO VENT DRAWINGS.	NOTE IS ADDED
5.	TYPICAL DETAIL 2 TO BE REVIEWED.	AWAITING FEEDBACK FROM NHS INFECTIONS CONTROL. ANY COMMENTS WILL BE INCLUDED ON THE NEXT REVISION.

* COMMENTS BASED ON WW-24-00-PL-524-001 Rev 1 - STATUS B.

- NOTES**
- GENERAL DUCTWORK INSTALLATION TO COMPLY WITH DW14.
 - KITCHEN DUCTWORK INSTALLATION TO COMPLY WITH DW17.
 - COOKING RANGE & FIRE DAMPERS TO BE LOCATED AS SHOWN. ALL DUCTWORK PENETRATIONS PASSING THROUGH FLOOR LEVEL STRUCTURE, SLAB SHALL ALSO BE PROVIDED WITH A COMBINED SHAKE & FIRE DAMPER.
 - ALL NEW GRILLES TO BE INSTALLED COMPLETED WITH PLENUM BOX WITH SIDE ENTRY SPOOT.
 - ALL GRILLES TO BE PROVIDED WITH POWER COATED TO BS OR RAL COLOUR APPROVED BY ARCHITECT.
 - ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
 - ALL WORKS & CONNECTIONS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
 - PROPOSED VENTILATION WORKS HAVE BEEN DESIGNED AND WILL BE INSTALLED IN ACCORDANCE WITH SHTM 03-01.
 - ALL FINAL CONNECTIONS TO GRILLES TO BE FLEXIBLE CONNECTION.
- LEGEND**
- SG SUPPLY GRILLE
 - EG EXTRACT GRILLE
 - DEG DIRTY EXTRACT GRILLE
 - VCD VOLUME CONTROL DAMPER
 - VPS AIR PRESSURE STABILISER
 - MD MOTOR CONTROL DAMPER
 - CSFD COMBINED SHAKE & FIRE DAMPER
 - FD FIRE DAMPER
 - ED EXTRACT DUCT
 - SD SUPPLY DUCT
 - DE DIRTY EXTRACT
 - ISO DE DIRTY ISOLATION EXTRACT
 - DEF DIRTY EXTRACT FAN
 - KED KITCHEN EXTRACT DUCT
 - FAI FRESH AIR INTAKE
 - EX EXHAUST
 - AHU AIR HANDLING UNIT
 - DFA DROP FROM ABOVE
 - DTB DROP TO BELOW
 - DTL/L DROP TO LOW LEVEL
 - RTH/L RISE TO HIGH LEVEL
 - RFB RISE FROM BELOW
 - RFA RISE TO ABOVE
 - CS OFFSET UP OR DOWN
 - ATT ATTENUATOR
 - CTA CROSS TALK ATTENUATOR
 - HB HEATING BATTERY
 - CVB CONSTANT VOLUME BOX
 - DTG DOOR TRANSFER GRILLE
 - FC INTUMESCENT FIRE COLLAR
 - DTG DOOR TRANSFER GRILLE
 - SP SPECTACLE PLATE



FOR CONTINUATION REFER TO ZONE Z2 SEE DRAWING NO. WW-22-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-23-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z3 SHEET 1 OF 2 SEE DRAWING NO. WW-23-00-PL-524-001

FOR CONTINUATION REFER TO ZONE Z4 SHEET 2 OF 2 SEE DRAWING NO. WW-24-00-PL-524-002

NO.	DESCRIPTION	DATE	BY	CHKD BY
K 0105	GENERAL EXTRACT VENT INTRODUCED INTO ROOM 6.2.0.04 TO ACHIEVE A ROOM BALANCE	04/07/2015	BRV	SJ
J 1819	REB DUCTWORK RESOURCES VIA THE MAIN AIR SUPPLY AND EXTRACT DUCTWORK. CSFD'S REMOVED ON TRANSFER ROOM SUPPLY AND EXTRACT DUCTWORK CHANGED TO FIRE RATED FOR FINAL RUN TO EXTERNAL LOUVER	04/07/2015	BRV	SJ
L 1811	DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY. ISOLATION LOBBY UPDATED A DEPT 25 VENT UPDATES. CAPAS OPEN SPACE VENTILATION UPDATED TO SUIT PROPOSED VALUED CEILING (ATT 1)	04/07/2015	AW	BR
H 1908	DRAWING UPDATED IN LINE WITH CURRENT FIRE STRATEGY DRAWING. CSFD'S & FDS ADDED.	04/07/2015	AW	BR
G 0898	MRI ROOM EMERGENCY EXTRACT DUCTS ADDED. HEATER BATTERY REFERENCES ADDED. BOARD COMMENTS ADDRESSED.	04/07/2015	AW	BR
F 2306	VENTILATION DUCTWORK REVISED WITH ALTERNATIVE ISOLATION ROOM VENTILATION SCHEME.	04/07/2015	AW	BR
E 0493	ISSUED AT REVISION E	04/07/2015	AW	BR
D 1801	ISSUED FOR BUILDING WARRANT	04/07/2015	AW	BR
C 2016	CAMPUS DEPARTMENT UPDATED TO 2016. REFLECT NEW ARCHITECTS LAYOUT	04/07/2015	AW	BR
B 2110	ISSUED AT REVISION B	04/07/2015	AW	BR
A 0710	ISSUED AT REVISION A	04/07/2015	AW	BR
1	1807 T1 RFD ISSUE	04/07/2015	AW	BR

Re-provision of RHSC and DCN at Little France



ZONE Z4 - LEVEL 00 VENTILATION DISTRIBUTION SHEET 1 OF 2

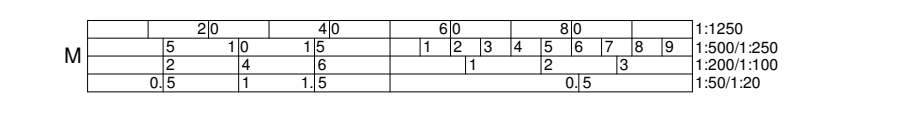
Drawing No: WW-24-00-PL-524-001 Revision: K

Scale: As indicated Date: JULY, 2015

Status: CONSTRUCTION



LEVEL 00 PLAN 1:100



Royal Hospital for Sick Children and Department for Clinical Neurosciences - Edinburgh

RHSC / DCN RDS Environmental Matrix

Dept Code	Index
~	Cover
~	Guidance Notes
~	Room Function Reference Sheet
~	Occupancy & Equipment Load Allowances
A1 - A4	Front Door - A&E / Assessment Ward
B1	Critical Care / HDU / Neonatal Surgery
C1- C5	RHSC In Patient Pathway / Ward Care
D1 - D10	RHSC Ambulatory Care
E1	Pod
F1	Child and Adolescent Mental Health
G2 - G3	Clinical Support
H1 - H3	Academic
I1 - I2	Facilities / Infrastructure Support Services
J1 - J2	Patient / Family Support
K1 - K2	Family Facilities
L1 - L2	DCN In Patient Pathway / Ward Care
M1- M4	DCN Support Space
N1	DCN Out Patient Departments
P1	Combined Theatres
Q1	Combined Radiology
R1 - R2	Office / Admin Support Services
S1 - S7	Combined Facilities / Infrastructure Support Services
T1	Plant
U1	Shelled Space

Updated to suit accommodation schedule issued 03/08/2016 Rev 4*

General mechanical services updated in line with current drawings.

Lighting updated as per table 1 and table 2.


WW-XX-XX-DC-XXX-001 Rev 07

19th September 2016

RDD	
Reviewable Design Data : Section 5 of Schedule Part 6	
Board	
Name	B. CURRIC
Date	13/10/16
Sign	[Redacted]
Level	A3
Comment:	
PLEASE REFER TO MM-GC-002084. SEE ALSO DOCUMENT.	
<small>In accordance with the Levels as set out in clause 4.2 (Effect of Review and Schedule Part 6 (Review Procedure)):</small>	
<small>Level A : No Comment</small>	
<small>Level B : Proceed subject to Amendment as noted</small>	
<small>Level C : Subject to amendment as noted</small>	
<small>Level D : Rejected</small>	

13/10/16
PLEASE ALSO REFER TO MM-GC-002155
14 NOV 2016

REFER TO
MPX - GC - 012654

Brookfield MULTIPLEX Built to outperform.	
Contractor Document Review RHSC & DCN Edinburgh	
A <input type="checkbox"/> No Comment B <input checked="" type="checkbox"/> Noted subject to comments - revise and resubmit within 7 business days C <input checked="" type="checkbox"/> Rejected - revise and resubmit within 7 business days	
BM Checked by: [Redacted] Date: 13/10/16	
<small>Brookfield Multiplex review status does not absolve the consultant of its obligations with regard to coordination and conformity with the other Consultants and specialist Subcontractors design and the project Agreements. Employer's Requirements are the cost plan and for ensuring that there are no ambiguities, discrepancies, inconsistencies or omissions within this document or between it and any other design document.</small>	

Rev 7. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments.

- 1 Updated to suit accommodation schedule issued 03/08/2016 Rev 04*. *CIRCULATION AREAS NOT INCLUDED IN THE MATRIX.*
- 2 General mechanical services updated in line with current drawings. *ALL SERVICES SHALL BE UPDATED TO REFLECT BORS*
- 3 Lighting updated as per table 1 and table 2. *LIGHTING SHALL BE UPDATED TO REFLECT BORS.*

Table 1 Amendments

	Room Function	Matrix	LG2	Comment	Resolution
1	Body Viewing room	300	50/100	Higher than LG2	Reduce output via KNX commissioning
2	Cellular/Ward Offices	400	300	Higher than LG2	Reduce output via KNX commissioning
3	Shower	200	100-150	Higher than LG2	Reduce output via KNX commissioning
4	Linen Bay	200	100	Higher than LG2	Reduce output via KNX commissioning
5	Multi-disciplinary Office	400	500	Higher than LG2	Reduce output via KNX commissioning
6	Open plan office	400	300	Higher than LG2	Reduce output via KNX commissioning
7	Operating Theatre	500	1000	Higher than Matrix	Amend Matrix
8	Resuscitation Bay	200	500	Higher than LG2	Amend Matrix at patient treatment bays to 500lux, general bays to be 200lux (As schedule below)
9	Workshop	300	300/500	Compliant with both.	As matrix
10	Staff Base	200/300	300	Compliant with both.	As Matrix
11	Tea making	200	100	Higher than LG2	Reduce output via KNX commissioning

Table 2 Resuscitation Trolley/Bay

	Room	Light level (Lux)
3.C1.2.029	Resuscitation Trolley Bay	200
1.D6.060	Resuscitation Bay	500
3.D9.005	Resuscitation Trolley Bay	200
1.L1.0054	Resuscitation Bay	500
1.L1.074	Resuscitation Trolley Bay	200
2.L2.020	Resuscitation Trolley Bay	200

Rev 6. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments

	Item	Initial Response	Feed back	Reconciliation
1	Update the Environmental Matrix shall be updated by Project Co to reflect all the rooms and room types in the proposed Facility, this should be based on an updated Schedule of Accommodation that has been commented on separately by the Board. This also needs to reflect the names and room numbers in the GSU table.	Individual room numbering being applied.	OK	Agreed
2	Include the requirements contained in the Clinical Output Specification including but not limited to the requirement that theatre temperatures are to be able to be raised to 31°C for certain operations.'	We have made reference to the figure of 31°C in the Guidance Notes. 'Theatre temperatures are to be able to be raised to 31°C for certain operations.'	Temperature control in theatres is covered in the Operational Design Notes V5 14th Oct2014 for RHSC Theatres 1 & 2. Operating theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged in the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation. THIS HOWEVER IS NOT NOTED ANYWHERE	This statement is now incorporated within the guidance notes of the matrix
3	Measures shall be assessed, modelled and implemented to demonstrate that the internal air temperature of the following room types to reduce the temperature control from 28°C to 25°C- Treatment Rooms, Consulting Rooms; Laboratory; Physiotherapy Studio, Recovery. These room shall not exceed the maximum acceptable level of 25°C for more than 50 hours per annum	The Temp (max) column within the table has been updated to 25°C for the agreed rooms 3.1- 3.5 above.	OK	Agreed
4	Detailed proposal awaited on bedroom ventilation to achieve balanced/ negative pressure relative to corridor.,	The single bedrooms have had their ensuite extract increased to achieve a balance within the room, this has been noted within the matrix.	NOTE 26 AND VENTILATION TYPE HAVE NOT BEEN ALTERED.	Refer to Matrix
5	Colour rendering all stated as 80 where certain areas should be 90	Amended.	NEEDS TO BE CHECKED FOR ALL	Refer to Matrix
6	There also need to have a consistent approach e.g. guidance notes and ED body view room stated as 28 - 8, bereavement suite body view room stated as 25 -8.	The figure of 25-8 is now reflected within the matrix.	OK	Matrix now amended. See item 7 below.
7	Further discussion is required on the minimum temperate requirement for the Body View Room.	Awaiting confirmation on this one from the client, however discussion at the meeting on the 11/11/14 was that rather than take the room temperature down to 8°C which would require specialist cooling they would look at providing a cold blanket for the body and room temperatures would be retained as a normal room.	NHSL confirm following discussion with users that the use of a cooling blanket or cooling cot for the body is appropriate and therefore there is no requirement to have the room at 8 degrees and 25°C is acceptable	Matrix amended to minimum temperature of 18°C in place of 8°C.



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
1	Technical Submittal MER-XX-SL-TS-015 appears to contradict environmental note 13 by way of radiant panel controls.	Note 13 has been deleted from the matrix and Mercury's technical submittal takes precedent.	Now updated.	x	x	✓
2	1-B1-010 medical gas cylinder store, SHTM 02-01 states internal cylinders stores may require mechanical ventilation, please confirm no ventilation provided.	Extract ventilation has been provided. Matrix updated and drawings where appropriate.	Now updated.	✓	x	✓
3	IPS room max/min temperatures stated as "Manufacturer Dependant", this is not acceptable, temperatures to be stated. Room has 3ac/h mechanical extract therefore heating type should be Adjacent space transfer air and temperatures accordingly.	Room temperatures have been added. Adjacent space transfer air added into heating type.	Now updated	x	x	✓
4A	Isolation cubicles and bedrooms are not shown with any extract ventilation.	Extract rate and note added	Now updated	x	x	✓
4B	Gowning lobby, supply stated as "in line with SHPN 04" and extract stated as "To match total bedroom air volume", design development review required.	Note removed and extract rate added.	Now updated	x	x	✓
5	Technical Submittal MER-XX-SL-TS-015 shows room 1-B1-057 with a radiant panel which contradicts Environmental Matrix room 1-B1-057 warm air reheat battery.	The air is heated by a heater battery which is BMS controlled as per the matrix.	No action required	x	x	✓
6	Where ventilation rates 10/s per person are stated, room occupancy to be detailed and ventilation rates calculated.	These particular areas have been designed based on occupancies; occupancy figures and ventilation rates have been added to these areas to provide clarity.	Now updated	x	x	✓
7	1-B1-063 Stated as supply air 4ac/h, extract via en-suite, this room does not have en-suite facilities.	Room extract rate added	Now updated	x	x	✓
8	1-B1-090 has an area of 8m2 which is not stated in the matrix. PCo to populate areas.	A review will be carried out and any blank GIFA rates will be noted - Updated schedule of accommodation required for this item.	Now updated	x	x	✓
9	3-C1.2-036 review ventilation type, only showing supply when 4ac/h supply and extract.	Ventilation type note amended to incorporate extract.	Now updated	x	x	✓



Wallace Whittle

NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
10	Room 1-G3-003/005/007 bathroom temperatures stated as 28 / 20 with adjacent space transfer air from area with temperatures of 28 / 18.	These bathrooms have their own radiant panel.	Now updated	x	x	✓
11	Similarly isolation bedroom 3-C1.4-040, temperatures stated as 28 / 21 with adjacent space transfer air from area with temperatures of 28 / 18, ventilation described as "balanced".	The adjacent area; Lobby 3-C1.4-039 is heated via heater battery and will be at least 21°C. Matrix has been updated.	Now updated	x	x	✓
12	3-C1.7-003, 004, 005 supply and extract "to suit location" not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	x	x	✓
13	G-D2-006 supply and extract "to suit location", statement "to suit location" is not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	x	x	✓
14	Theatre ventilation stated as "in line with SHTM 03-01", correct, this is a BCR requirement. However dental surgeries are not mentioned in SHTM 03-01, I would suggest SHPN 36 part 2. The required ventilation to be designed and detailed.	In line with the SHTM 03-01 removed and air change rates added.	Now updated	x	x	✓
15	1-H2-021 is currently labelled a single bedroom but it is an isolation room, review ventilation.	This room function was RFI'd and has been designed as an isolation room (matrix has been updated).	Now updated	x	x	✓
16	1-P1-003 and 005 are bedrooms, not bathrooms.	Bathroom changed to bedroom.	Now updated	x	x	✓
17	Kitchen states DW172 dependant, actual design detail to be added.	Design details will be noted and "DW172" will be removed.	Now updated	x	x	✓
18	Complete Estates SOA areas.	A review will be carried out and any blank GIFA rates will be noted.	Now updated	x	x	✓
19	Room B-S3-002 and 005 stated in Environmental Matrix as Adjacent Space Transfer Air, however shown with radiant panel on drawing.	Matrix will be updated with radiant panel noted.	Now updated	x	x	✓



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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
20	ADB code reference should be confirmed.	ADB code reference is an unnecessary column for the use of this matrix so the column will be deleted from the environmental matrix.	Now updated	x	x	✓
21	Last column not titled. What does it refer to?	This column to the IET grouping but this column has now been superseded by the categorisation document. Column will be deleted from the environmental matrix.	Now updated	x	x	✓
22	B-S3-002 & B-S4-001 can min temp be increased to 18?	Temperature will be altered to 18°C	Now updated	x	x	✓
23	Disposal hold – can min temp be reduced to 16.	Sensor could be set to 16°C rather than 18°C but the reduction to the maximum temperature from 28°C to 25°C is problematic though so if required, cooling will be need to be added - Confirmed at meeting that 28°C is to be retained.	Now updated	x	x	✓
24	During a recent PG it was made clear that due to the nature of the research being carried out in the Clinical Research Department in rooms H2-013, 014, 016 and 020 the temperature cannot at any time exceed 25°C.	Cooling has been provided in H2-014, H2-016 and H2-020. H2-013 requires cooling. Matrix has been updated to reflect this but drawing requires updating.	Environmental Matrix updated and drawing to be updated	✓	x	✓
25	Further to the recent discussion regarding hepa filtration in the isolation rooms the matrix should have been updated to reflect this.	The matrix doesn't note HEPA filter requirements but all isolation rooms have the capability of HEPA filters being installed.	No action required	x	x	✓
26	G-F1 Bedrooms with 6ac/h where most bedrooms are taken as 4ac/h.	This is a CAHMS bedroom so 6 AC/H has been utilised, reference to natural ventilation will be removed.	Now updated	x	x	✓
27	B-S4-004, no supply air.	Supply air reference will be added.	Now updated	x	x	✓
28	G-S6-016, Cooling - Yes, Cooling Type – None.	Comfort cooled fresh air is now noted.	Now updated	x	x	✓
29	G-Q1-007, Cooling – No, Cooling Type - Comfort cooled fresh air.	Cooling note removed.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
30	G-Q1-161, Heating type – Adjacent space transfer air, supply at 10 l/s/p positive pressure. Diagnostic rooms, "To suit location"	This room is part of corridor and shares heating and ventilation with corridor.	No action required	X	X	✓
31	G-A1-004, supply 4 ac/h extract 3 ac/h positive, different to other diagnostic rooms.	We have treated this room like an office.	No action required	X	X	✓
32	Confirm where natural ventilation, i.e. 1-B1-063/065/067.	Extent of ventilation clarified on schedule.	Now updated	X	X	✓
33	3-C1.3-018, supply 4 ac/h extract 3 ac/h positive, different to other offices.	Air change rates utilised are in line with cellular offices	No action required	X	X	✓
34	1-L1-005 Resus area 30m2 with extract at 3 ac/h.	This room has been updated on the matrix.	Now updated	X	X	✓
35	G-A1-028/029, Resus area with central general extract with supply at 10 ac/h extract at 6 ac/h.	Ventilation type for these rooms has been updated in line with design.	Now updated	X	X	✓
36	Consider absence detection to all offices, meeting rooms and node rooms.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	X	X	✓
37	1-D3-002 Circulation Equipment Storage Bays, all others are presence detection.	Automatic controls added.	Now updated	X	X	✓
38	Disposal hold, LG2 recommends 200 lux.	100 lux will be changed to 200 lux.	Now updated	X	X	✓
39	IPS rooms normal lux stated as n/a.	200 lux will be added to the matrix.	Now updated	X	X	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
40	G-F1-028, 030, 053, 045 and 1-L1-028 are described as offices but have local lux of 1000.	Local lux figures to be removed.	Now updated	x	x	✓
41	Anaesthetic rooms, LG2 recommends local lux 1000 and Ra 80.	Ra 80 has been noted in the environmental matrix and 1000 lux is for local lighting but 500 lux is for general; all as noted in the environmental matrix.	No action required	x	x	✓
42	Theatre exit bays (transfers), LG2 recommends normal lux 300 local lux not required and Ra 80.	500 lux will be dropped to 300 lux, Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
43	Preparation rooms and scrub up, LG2 does not require local lux 10,000 – 100,000, or Ra 90.	Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
44	Theatre utility rooms, LG2 recommends local lux 100 – 150 and does not require local lux 10,000 – 100,000, or Ra 90.	500 lux will be dropped to 150 lux, RA 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
45	Recovery areas, LG2 does not require local lux 1000 but does recommend Ra90.	RA 80 will be increased to Ra 90 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
46	Nurse/touchdown bases not shown to have night lighting, confirm this achieved by dimming.	All night lighting is achieved by dimmable fittings.	No action required	x	x	✓
47	Resus trolley bay 1-D1-009 to be as other trolley bays, Ra 80 and presence detection.	1-D1-009 will be updated to reflect other trolley bays.	To be updated	x	x	✓
48	Review colour rendering, e.g. theatre suite, prep, anaesthetic, scrub utility, exit bay all Ra 80. Review consult/ examination rooms to have the higher colour rendering of Ra 90. All to be as CIBSE LG2.	RA 90 is currently shown in theatres, preparation rooms, scrub rooms, utility rooms and exit bay. Anaesthetic room will be changed to Ra90 from Ra80. We feel that the consultant room are general treatment rooms so should remain as Ra80; where Ra90 is required, it will be achieved via the examination luminaire.	Environmental Matrix updated and drawings to be updated	✓	x	✓
49	No absence detection or daylight control detailed included from drawings.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	x	x	✓

RHSC & DCN
 Environmental Matrix Comments
 Second Batch



Wallace Whittle

NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
50	Medical location column states "See Guidance Notes" for every entry and not mentioned in those guidance notes.	This has been superseded by the risk profile document which sets out the medical grouping and classification. Column has been removed.	Now updated	x	x	✓

Environmental Matrix - Guidance Notes

- 1 This workbook is prepared for the Financial Close Stage as an easier reference tool to replace ADB RDS M&E Sheets for the Environmental Criteria elements as described on these sheets.
- 2 The services matrices are produced from the Schedule of Accommodation Sheets.
- 3 The design of the HVAC systems to the theatres shall be in accordance with SHTM 03-01.
- 4 Where radiant panels are indicated in any room in these matrices, detailed design development may remove the need for these without detriment to environmental temperature. This design development is dependant on actual room layout - i.e. whether a room is located adjacent to an external wall, ground bearing floor, roof surface or is internal.
- 5 Ventilation air change rates and the use of natural ventilation in Patient Areas shall be reviewed throughout the detail design process to ensure a maximum internal temperature of 25°C (dry bulb) is not exceeded during normal occupancy. This criteria shall also apply to cellular and open plan office spaces.
- 6 Maximum internal temperatures listed relate to normal occupancy and Summer Design Conditions; External Summer Conditions for Cooling Plant Selection as per SHTM2025, Enthalpy 54kJ/kgda, 26deg C db, 19deg C wb. External Winter Conditions as per CIBSE Guide A Table A 2.2 for locality = -6°C for Heat Losses, and as SHTM 2025 for locality = -10°C for AHU Ventilation Plant design.
- 7 Examination lamp notes where listed are provisional. Detailed requirements (fixed, mobile, illumination) will be detailed on C sheets as agreed from signed off 1:50 RDS, which shall take precedence over this schedule.
- 8 All lighting levels are derived from CIBSE Lighting Guide LG2.
- 9 Colour rendering refers to CIBSE Lighting Design Guide and will be applied throughout.
 "80" - Normal
 "90" - Enhanced to provide close as possible match to natural light for clinical purposes
- 10 Thermostatic Mixing Devices - SHTM 04-01 Guidance shall be employed for specific TRV Type versus listed Area/Activity.
- 11 Standby Lighting to be Grade A throughout.
- 12 The internal temperature in naturally or mechanically ventilated rooms shall not exceed the maximum temperature as listed on these Environmental Matrices provided external summer design criteria is not exceeded.
- 13 Note Deleted
- 14 Local Control BMS Temperature Sensors for ducted reheat zones and chilled water cassettes for hotspots shall be provided with local range adjustment to +/- 2°C of BMS Set Point. BMS set point shall be adjustable via operator/user dialogue through formal FM
- 15 **Typical bedroom** - Design Criteria - SHTM 03-01 Clause 2.11 - internal temperatures in patient areas should not exceed 28°C db for more than 50 hrs per year. Appendix 1 SHTM 03-01 gives 18°C to 28°C float range. NHSL however require that the maximum internal design temperature should not exceed 25°C for more than 50 hrs per year.
NHU bed areas - Design Criteria - HBN 2/ gives specific guidance as well as SHTM 03-01 - Appendix 1 for air change rates - 10ac/hr supply, 18°C to 20°C control range (Capability shall be provided but not at the summer and winter external ambient design extremes against the internal maximum and minimum range conditions).
 The department will be comfort cooled and controlled on a zonal basis.
 Central AHU to be provided with blank section for future provision of humidification.
Post theatre recovery areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 15ac/hr S&E, 18°C to 25°C control range (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions).
Critical Care areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 10ac/hr Supply for isolation cubicles, 18°C to 25°C control range (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions). NHSL may require specific rooms to have a control range up to 28°C.
 Central AHU to be provided with blank section for future provision of humidification.
- 16 **Corridor** ventilation may be either mechanical or where the opportunity exists natural. To be determined during detailed design with due regard to clinical functionality.
- 17 **Single Room WC** - SHTM 03-01 Appendix 1 suggests 3ac/hr extract air change rate only. We have applied 10ac/hr extract rate to provide a more robust rate of extract.
- 18 **Diagnostic Rooms** - (X Ray, CT Scanner, MRI Scanners, Gamma Camera) - air change rates listed at 8ac/hr. Actual air change rate must be derived through room heat gain analysis and actual equipment guidance.
- 19 **Operating Theatre Laminar Flow/UCV Requirements** - Refer to Operational Policy Documents for specific theatres which require Laminar Flow/UCV canopy style ventilation solution.
 Central AHU to be provided with blank section for future provision of humidification.
 Operating Theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged on the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation.
- 20 **Small workshop Areas** - Local Extract Ventilation (LEV) unit requirement to be determined from room equipment schedules.
- 21 **Note that Isolation Suite ventilation solutions for this project shall follow HBN 4 Supplement 1 Section 4 Item 4.6 Guidance i.e.**
 A common departmental AHU shall be employed to provide supply air ventilation (and shall therefore employ duty & standby fans).
 Isolation Rooms En Suite Extracts shall be provided with an independent Isolation Room toilet extract ventilation system.
 Isolation Rooms En Suite Extracts shall be provided with either externally located 3 mtr high discharge stack in a safe location or with extract filters (H14) within a safe change housing outside the building on the suction side of the fan.
 Heating & Cooling the Isolation Suites shall be provided via the ventilation system.
- 22 **Retail Provision** - Service provisions listed are Infrastructure only for future fit-out by retailer. (Fire detection shall be provided to assist completion).
- 23 **Comfort Cooled Fresh Air** - Where noted as such on the matrix, these are provided via departmental air handling plant via chilled water cooling coils.
- 24 **Body View Room** - A cooling blanket or cooling cot shall be used in this room.
- 25 Anil ligature rooms (17no. off) will be treated as sealed rooms with Supply at 8ac/hr and Extract to match to achieve a balanced pressure.
- 26 **Single Bedroom** - The design philosophy for ventilation is for a mixed mode operation where natural vent is encouraged which has benefits both physiological with users being partly in control, and from an energy stand point where mechanical vent loading is partly reduced (2:3rds). This strategy results in zero pressure differential regime within the room where supply and extract is balanced.
 En suite dirty extract volume flow rate has been increased to achieve a balanced ventilation system.

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. filtration	Surface temp.	Water temp.	Normal lux	Night lux	Local lux	Staircase grade	Colour render	Control	Plane	
G-A1-002	Emergency Department	Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-003		Store - Medical Gas Cylinders	1	Storage Area Med Gas	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	7	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-004		Processing Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-A1-005		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-006		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	By Bypass	Central Supply and Extract	0	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-A1-007		Dirty Utility	1	Dirty Utility	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-008		Washdown Room	1	Dirty Utility	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-009		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-010		Laboratory - Near Patient Testing / Status	1	Laboratory	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-A1-011		Linan Bay (1 Trolley)	1	Linan Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	43	n/a	100 (N/A)	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-012		Treatment Room 5: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-013		Treatment Room 10: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-014		Treatment Room 6: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-015		Treatment Room 11: Dual Access (Mental Health)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-016		Staff & Communication Base	1	Reception	28	18	Radiant Panels	Remote Sensor Ad.	No	None	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-017		Store - Dispensing Drugs	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-018		Treatment Room 7: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-019		Treatment Room 12: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-020		Treatment Room 8: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-021		Treatment Room 13: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-022		Treatment Room 9: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-023		Supplies Base	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-025		Treatment Room 14: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-026		Main Entrance Draught Lobby	1	Circulation Area - Entrance Lobby	28	18	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-028		Resuscitation Room - 2 places	1	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Wall Mounted Unit	Central Supply and General Extract	10	6	Positive	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-029		Resuscitation Room - 2 places	1	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Wall Mounted Unit	Central Supply and General Extract	10	6	Positive	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-030		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-031		Body Viewing Room	1	Body View	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Negative	F7	43	n/a	10 (N/A)	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-032		Sitting Room	1	Common room/Staff room/lounge	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-A1-033		WC - Wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-034		Store - Major Incident / Ambulance Equipment	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-035		Triage Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Wall Mounted Unit	Central Supply Air	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-A1-036		Reception 2 staff	1	Reception	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	5	3	Positive	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-037		Parking Bay: 6 wheelchairs	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-038		Main Entrance Draught Lobby	1	Circulation Area - Entrance Lobby	28	18	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-039		Parking Bay: 3 accident trolleys & 3 wheelchairs	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-040		Store - Equipment & Supplies	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-041		WC - Wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-042		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-043		Female Staff Changing and Lockers: 30 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-044		Staff Shower: ambulant	1	Bathroom	28	20	None	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-045		Waiting Area inc Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-A1-046		Baby Infant / Feeding Room	1	Infant Feeding	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-047		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-048		Male Staff Changing Room and Lockers: 20 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-049		Staff Shower: ambulant	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-050		Consultant Office: 3 persons	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-052		Ward Manager's Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-053		Interview/Meeting Room: 4 persons	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (each)	6 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-054		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	43	41	100 (N/A)	n/a	None	A	80	Switch	Floor 0m
G-A1-055	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-A1-056	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (season)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Stability grade	Colour render	Control	Plane	
G-A1-027		Medical Staff / Audit / Secy Office (3 Part)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	0	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-028		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-029		Store - Stock & Sterile Supplies	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-030		Treatment Room 2: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-031		Treatment Room 4: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-032		Treatment Room 2: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-033		Pantry - Staff / Patient	1	Pantry	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-A1-034		Treatment Room: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-035		Store - Plaster	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-036		Plaster Sule (2 bays)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	7	7	Balanced	F7	43	41	300	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-037		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-038		Mobile X Ray Bay	1	Mobile X Ray Bay	25	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-002		Single Bedroom 15 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-003		En-suite wheelchair accessible WC, Shower & wash	14	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-004		Single Bedroom 19 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-005		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-006		Single Bedroom 16 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-007		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-008		Reception/Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-009		Single Bedroom 20 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-010		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-011		Touchdown Base 4	4	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 100/cper person (11achs)	2 people at 100/cper person (15achs)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-012		Single Bedroom 17 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-013		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-014		Single Bedroom 21 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-015		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-016		Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-017		Single Bedroom 18 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-018		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-019		Single Bedroom 22 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-020		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-021		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-A2-022		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-023		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-024		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-025		Linen Bay (1 Trolley)	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-026		Touchdown Base 3	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 people at 100/cper person (11achs)	2 people at 100/cper person (11achs)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-027		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-028		4 Bed Room	1	Multi-Bed Ward	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-029		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-030		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-031		Single Bedroom 14 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-032		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-033		Single Bedroom 13 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-034		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-035		Single Bedroom 12 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-036		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-037		Single Bedroom 11 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-038		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-039		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A2-040		Dining / Play Room	1	Common room staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-A2-041		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	6	Negative	None	n/a	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Air filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Sanitary grade	Colour render	Control	Plane	
G-A2-042	Paediatric Acute Receiving Unit - 24 Beds	Single Bedroom 10 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-043		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-044		Single Bedroom 9 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-045		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-046		4 Bed Room	1	Multi-bed Ward	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-047		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-048		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-049		Touchdown Base 2	1	Staff base	28	18	Radiant Panels	Remote Sensor As	No	None	Central Supply and Extract	15	15	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-050		Single Bedroom 8 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-051		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-052		Single Bedroom 7 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-053		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-054		4 Bed Room	1	Multi-bed Ward	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Natural and Central Supply Air	4	Minimum 10	positive to ensuite	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-055		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-056		WC Accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-058		Single Bedroom 6 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-059		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-060		Single Bedroom 5 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-061		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-062		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-063		Linen Bay (1 Trayley)	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-064		Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-065		Single Bedroom 4 (RHSC)	1	Bedroom	26	16	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-066		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-067		Single Bedroom 3 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-068		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-069		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (10ac/h)	2 people at 10 l/s per person (10ac/h)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-070		Single Bedroom 2 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
G-A2-071		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-072		Single Isolation Bedroom 1 (RHSC)	1	Isolation Bedroom	28	18	Adjacent Space Transfer Air	Local / BMS Adaptive	Yes	Comfort Cooled Fresh Air	Roof-Via Lobby	10	10	via the ensuite	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-A2-073		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-074		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adaptive	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-075 A&B		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-076		Patients Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-077		Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-078		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-079		On-Call Consultant Office 12 Person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-080		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-081		Clinical Consultant Office of Person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-082		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Switch / Dimmer	Floor 0m	
G-A2-083		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	6 people at 10 l/s per person (10ac/h)	6 people at 10 l/s per person (10ac/h)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-084		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-001		PABU / Emergency / Radiology Shared Support	Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-A2-002			Seminar & Training Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	22 people at 10 l/s per person (10ac/h)	22 people at 10 l/s per person (10ac/h)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A2-003			Meeting / Case Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	25 people at 10 l/s per person (10ac/h)	25 people at 10 l/s per person (10ac/h)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-003			Retriev Equipment Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-004			Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
1-B1-005			Senior Nursing Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-006	WC - Staff		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-007	WC - Staff		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-007	Equipment Service Room		1	Small Workshop	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	FF	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-B1-008	IPS Room		1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Mix. filtration	Surface temp	Water temp	Inert gas	Night jet	Local jet	Standby grade	Colour render	Control	Plane
1-01-009	81 ICU and HDU's - 04 Beds	Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Tray 1.45m
1-01-010		Gas Cylinder Store	1	Storage Area Med Gas	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	7	via	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-011		Multidisciplinary Work Area (ICU)	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	F7	43	n/a	400	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-012		Staff Base	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-014		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-015		Waiting Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	54	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-016		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-017		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-018		Waiting Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	55	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-019		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-020		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-021		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-022		Staff Base	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-024		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-025		Waiting Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	62	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-026		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-027		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-01-028		Bed Patient Chair / Buggy Storage	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-029		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-030		Linon Bay (1 Trolley)	1	Linon Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-031		Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Tray 1.45m
1-01-032		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-033		Waiting Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	45	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-034		Linon Bay (1 Trolley)	1	Linon Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-035		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-036		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-037		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-01-038		Staff Base	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-039		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-041		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-01-042		Multidisciplinary Work Area HDU	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	n/a	400	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-043		Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Balanced	F7	43	80	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-01-044		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-045		Quiet / Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-046		Store - Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-047		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (7ach)	5 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-048		On call consultant	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-049		National Team	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-050		Bulk Supplies Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-051		Site Manager & Supervisor Office (3 persons)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-055		Waiting Area (Voluntar)	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-01-056		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-057		X-Ray Processing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
1-01-058		Mobile X-Ray / Ultrasound Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-059		Contact Echo/ECG Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-01-060		Seminar Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	13 people at 10 l/s per person (7ach)	13 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-061	Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-01-062	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-01-063	Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0.5	positive	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Tray 1.45m	
1-01-064	Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-01-065	Open Plan Bay (3 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Tray 1.45m	
1-01-066	Clean Utility (New-Natal)	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	MR Stratification	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane
1-B1-067		Gas Cylinder Store	1	Storage Area Med Gas	25	16	Adjacent Space Transfer Air	None	No	None	General Central Extract	0	6	via	None	via	via	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-068		Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Dry Extract	0	10	Negative	None	43	41	100	via	None	A	80	Automatic Controls	Floor 0m
1-B1-069		Staff Base	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1	4	Positive	F7	43	via	400	via	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-071		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	via	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-072		Play Spreads Base & Store	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	Central Supply and Extract	1	4	Positive	F7	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-073		Pastry / Milk Store	1	Pastry	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	9	Negative	F7	43	41	300	via	None	A	80	Switch	Floor 0m
1-B1-074		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	continuous 10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-075		Single Cot Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-077		DSR	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	via	None	A	80	Automatic Controls	Floor 0m
1-B1-078		Relative Overnight Stay Room	1	Relatives Overnight Stay	28	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	F7	43	41	100	via	None	A	80	Switch	Bed / Trolley 1.45m
1-B1-079		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-080		WC - Relatives	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-082		Relative Overnight Stay Room	1	Relatives Overnight Stay	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	F7	43	41	100	via	None	A	80	Switch	Bed / Trolley 1.45m
1-B1-083		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
1-B1-084		Relatives Sitting Room	1	Common room/staff nurse lounge	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	8	Negative	F7	43	41	300	via	None	A	80	Switch	Floor 0m
1-B1-090		Equipment Cleaning	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-002		IPS Room	1	IPS Room	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-003		Ward Management Office	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	via	400	via	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-004		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	via	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-005		En-suite trolley shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	26	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-006		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	25	18	Warm Air - Reheat Barbary	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	via	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-007		Hold Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-008		Sitting Room / Lounge	1	Common room/staff nurse lounge	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	via	None	A	80	Switch	Floor 0m
3-C1-1-009		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-010		En-suite trolley shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	continuous 10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-011		Touchdown Base	1	Staff Base	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (each)	1 person at 10 l/s per person (each)	Balanced	F7	via	via	200/300	via	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-012		Resuscitation Trolley Bay	1	Resus Trolley Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-013		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-014		En-suite trolley shower	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	continuous 10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-015		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-016		En-suite trolley shower	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	continuous 10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-017		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-018		4 Bed Room	1	Multi-bed Wards	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
3-C1-1-019		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-020		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-021		Drinking / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8 people at 10 l/s per person (each)	8 people at 10 l/s per person (each)	Balanced	F7	43	41	300	via	None	A	80	Switch	Floor 0m
3-C1-1-022		Store - Equipment	1	Storage Area Equipment	25	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-023		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central General Extract	0	6	Negative	via	via	60	500	via	None	A	80	Switch	General working plane 1m
3-C1-1-024		Linens Bay (3 Trolleys)	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-025		Store - General	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-026		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-027		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-028		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-029		Mobile X-Ray/Ultrasound Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-030		Multi-disciplinary Office	1	Multi Disciplinary Work Areas	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	via	400	via	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-031		Reception / Staff Base	1	Reception	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply Air	3	0	Positive	F7	43	via	300	via	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-032		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	25	18	Warm Air - Reheat Barbary	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	via	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-033		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	via	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-034		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-035		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	25	18	Warm Air - Reheat Barbary	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	38	0	Positive	via	43	via	200	via	None	A	80	Automatic Controls	Floor 0m
3-C1-1-036		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	via	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-037		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	via	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Mm filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-1-038		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10 l/s per person (each)	1 person at 10 l/s per person (each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-039		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Underfloor	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	50	0	Positive	n/a	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-040		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	n/a	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-041		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	41	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-042		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	43	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-1-043		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	43	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m
3-C1-1-044		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-045		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	F7	43	43	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m
3-C1-1-046		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	0	Positive	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-047		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-048		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-049		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-050		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-051		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (each)	1 person at 10 l/s per person (each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-052		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-053		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-054		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-055		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-056		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-057		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-058		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-059		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-060		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-061		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-062		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (each)	1 person at 10 l/s per person (each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-063		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-064		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-065		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-066		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-067		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-1-068		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-070		WC - Walkers	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-002		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-003		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-004		Linen Bay (1 Trolley)	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-005		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-006		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-007		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-008		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-009		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (each)	1 person at 10 l/s per person (each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-2-010		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-011		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-012		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-013		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-014		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-015		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-016		Host Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-017		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-018		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-019		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-020		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	43	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-2-021		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	maximum 10	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (liters)	Extract (liters)	Relative pressure	Min. Stratification	Surface Temp	Water Temp	Humid. Lit	Height Lit	Local lit	Standby grade	Culture number	Control	Plane		
3-C1-2-022	C1.2	Surgical Long Stay Inpatients - 10 Beds	Touchdown Base	1	Staff base	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10/50 per person (fact)	1 person at 10/50 per person (fact)	Balanced	77	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-2-023			4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-2-024			WC Accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-025			Wetroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-026			4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-2-027			WC Accessible	2	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-028			Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-2-029			Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-030			Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-031			Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-C1-2-032			Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m	
3-C1-2-033			Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 to 15 per person (fact)	5 people at 10 to 15 per person (fact)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Floor 3m	
3-C1-2-034			Ward kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central General Extract	0	6	Negative	None	n/a	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-2-035			Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5 people at 10 to 15 per person (fact)	4 people at 10 to 15 per person (fact)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-2-036			Reception / Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	0	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-2-037			Discharge Lounge	1	Common room staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 3m	
3-C1-2-038			Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-039			Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-040			WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-041			WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-2-042			Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10/50 per person (fact)	1 person at 10/50 per person (fact)	Balanced	77	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-2-043			Multi-Occupancy Office	1	Multi-Occupancy Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-2-044			WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-C1-3-002			Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 3m	
3-C1-3-003	Reception / Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted L&R	Central Supply Air	3	0	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
3-C1-3-004	WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-005	Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-006	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10/50 per person (fact)	1 person at 10/50 per person (fact)	Balanced	None	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m			
3-C1-3-007	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Waste Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	64	0	Positive	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-008	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m			
3-C1-3-009	En-suite wheelchair-accessible WC, Shower & wash basin	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	43	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-010	En-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-011	4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m			
3-C1-3-012	Wetroom	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-013	4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m			
3-C1-3-014	En-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-015	Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-016	Linens Bay	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	100 (RHSC)	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-017	Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-018	Multi-Occupancy Office	1	Multi-Occupancy Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
3-C1-3-019	Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 to 15 per person (fact)	4 people at 10 to 15 per person (fact)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
3-C1-3-020	Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
3-C1-3-021	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-022	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-023	WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-024	Snooker Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m			
3-C1-3-025	Rehabilitation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m			
3-C1-3-026	Hot Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-027	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10/50 per person (fact)	1 person at 10/50 per person (fact)	Balanced	None	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m			
3-C1-3-028	Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m			
3-C1-3-029	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m			
3-C1-3-030	Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m			

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pressure)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-3-021	Haematology / Oncology Inpatients & Outpatients	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-022		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
3-C1-3-023		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-024		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-3-025		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-026		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-027		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Tray / 1.45m
3-C1-3-028		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-3-029		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6 people at 10 l/s per person (Each)	6 people at 10 l/s per person (Each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-3-040		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-041		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-002		Call Study Room	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-004		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-005		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-006		Store - General	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-007		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-008		Complementary Therapy Room	1	Counseling Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray / 1.45m
3-C1-4-009		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-010		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
3-C1-4-011		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-012		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-013		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
3-C1-4-014		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-015		Kitchen Lounge/Social Space	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	3	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-4-016	Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-017	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-018	Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-019	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-021	Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-022	Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-023	Pharmacy Base	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray / 1.45m	
3-C1-4-024	Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-025	Medical Staff Office	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-026	Consultant Office (3 person)	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-027	Store - Equipment	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-028	Research Staff Office	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-029	Nursing Staff Office	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-030	Ward Management Office	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-032	Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-033	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-034	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-4-035	Linen Bay (1 Trolley)	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100/1000	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-036	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-037	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-038	Treatment / Clean Utility	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Tray / 1.45m	
3-C1-4-039	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	21	Warm Air - Return	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-040	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air - Return	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	H14	42	43	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-041	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	44	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-042	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	44	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-043	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air - Return	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-044	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Return	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	66	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-045	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-7-004	Neurophysiology	EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1900	A	80	Switch / Dimmer	General working plane 1m
3-C1-7-005		Evoked Potential Recording Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1900	A	80	Switch / Dimmer	General working plane 1m
3-C1-8-002	Surgical Short Stay Inpatients - 14 Beds	Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-003		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-005		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-8-006		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-007		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-008		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-009		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (each)	5 people at 10 l/s per person (each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 0m
3-C1-8-010		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-8-011		Reception Desk/Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply Air	3	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-8-012		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-013		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-014		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	6	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-8-015		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1900	A	90	Switch	Bed / Trolley 1.45m
3-C1-8-016		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
3-C1-8-017		En-suite Shower / WC / WNB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-018		WC Wheelchair Accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-019		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-8-020		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	6	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-021		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-8-022		En-suite Shower / WC / WNB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-023		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-8-024		En-suite Shower / WC / WNB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-025		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-8-026		En-suite Shower / WC / WNB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-027	4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1-8-028	WC Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-029	En-suite Shower / WC / WNB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-030	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-031	En-suite Shower / WC / WNB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-032	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-033	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-034	Linen Bay (1 Trolley)	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100/3000	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-035	Patient's Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-036	Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-037	Ward Management Offices	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-8-040	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C2-003	Wards Support Areas	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C2-004		Seminar Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	18 people at 10 l/s per person (3ach)	18 people at 10 l/s per person (3ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C2-005		Staff Room	1	Common room/canteen/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 0m
3-C2-006		Ward Shower Room	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C3-002	Special Feeds Unit	Food Prep Area	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C3-003		Wash Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C3-004		Office Ante Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C3-005	Store - Feeds	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C4-002	Sleep Lab	Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-003		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-005		Sleep Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C4-006		Parents Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C4-007		Control Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Extract	0	2	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C4-008	Sleep Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/s)	Extract (ach/s)	Relative humidity	Min. stratification	Surface temp	Water temp	Normal lit	Height lit	Local lit	Standby grade	Colour render	Control	Plane				
3-C4-029	CS	Classrooms	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch/Dimmer	Bed / Trayley 1.45m				
3-C4-010			1	En suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-CS-002			1	WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-CS-003			1	Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-CS-004			1	Primary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	7 people at 10 l/s per person (fact)	7 people at 10 l/s per person (fact)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
4-CS-005			1	Upper Primary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	7 people at 10 l/s per person (fact)	7 people at 10 l/s per person (fact)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
4-CS-006			1	Secondary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	11 people at 10 l/s per person (fact)	11 people at 10 l/s per person (fact)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
4-CS-007			1	Administrator Area	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
4-CS-008			1	Resource Storage	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-CS-009			1	WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-001	D1	RHSC Main Outpatients Department	1	DDR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m				
1-D1-002			1	Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-003			1	Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m		
1-D1-004			1	Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (PHS)	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-005			1	Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-006			1	Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m		
1-D1-009			1	Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Bed / Trayley 1.45m		
1-D1-010			1	Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-011			1	WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-012			1	Shower Room	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-013			1	Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m		
1-D1-014			1	Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-015			1	Play Therapy (inc mess/play) Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m		
1-D1-016			1	Consult/Multidisciplinary	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	4	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-017			1	Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-018			1	Consult/Examination (Ophthalmology)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-019			1	Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-020			1	Consult/Examination (Cleft)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-021			1	Consult/Examination (Cleft)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-022			1	Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-023			1	Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-025			1	Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	n/a	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-026			1	Infant Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-027			1	Sub Waiting Area (incl separated play) with Nurse Base	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m		
1-D1-028			1	Sub Waiting Area	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m		
1-D1-029			1	Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-030			1	Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-031			1	Equipment / General Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-032			1	WC wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-033			1	Pharmacy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-034			1	Mobile Hold Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-035			1	Disposal Hold	1	Disposal Hold	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-036			1	Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	n/a	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-D1-037			1	Reception	1	Reception	28	18	Underfloor Heating	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10 people at 10 l/s per person (fact)	10 people at 10 l/s per person (fact)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
1-D1-038			1	Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-D1-001			D1	RHSC Main Outpatients Department	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
G-D1-002					1	Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-003					1	WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-004					1	Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-005					1	Store Room	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-006					1	Disposal Hold	1	Disposal Hold	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Time (min)	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Fire/panic grade	Colour render	Control	Plans	
G-01-007	G	DSR	1	DSR	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-008		Plaster Suite (3 bays)	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	7	7	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-009		Store: Plaster	1	Storage Area Equipment	28	16	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-010		Orthotics Worktop	1	Small Workshop	28	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	4	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-01-011		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-012		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-013		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-014		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-015		Physical Measurement	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	No	None	None	None	0	0	n/a	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-016		Consult/Examination (Child Protection)	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-019		Equipment / General Store	1	Storage Area Equipment	28	16	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-020		Pharmacy Room	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-021		Child Protection Room	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-022		Mobile Host Bay	1	Circulation Equipment Storage Bays	28	16	16	Radiant Panels	Remote Sensor As	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-023		Dirty Utility	1	Dirty Utility	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-024		Beverage Bay	1	Tea Making	28	18	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Negative	None	43	41	100 (JKN)	n/a	None	A	80	Switch	Floor 0m	
G-01-025		Physical Measurement	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Full Airborne Unit	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-026		Specimen Disabled WC	1	Toilet	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-027		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-028		Infant Measuring Room	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-029		Staff WC	1	Toilet	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-030		Linen Bay (1 Trolley)	1	Linen Bay	28	16	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (JKN)	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-031		Clean Utility	1	Clean Utility	28	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-01-032		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-033		Treatment Room (with prep area)	1	Treatment Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-01-034		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-035		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-036		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-037		Meeting Room	1	Meeting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	10 people at 18 hrs per person weekly	10 people at 12 hrs per person weekly	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-01-038		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-039		Consult/Examination	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-040		Consult/Multi-Occupancy	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-041		Discharge Management Office	1	Cellular / Ward Offices	28	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-01-042		Shower Room	1	Bathroom	28	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-02-001		G	Waiting Area	1	Waiting Room	28	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-02-003			Admin Office	1	Cellular / Ward Offices	28	18	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-02-004			WC Staff	1	Toilet	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-02-005			Exercise Room/Lung Function Laboratory	1	Treatment Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	6	Balanced	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-02-006			Echocardiography Room	1	Diagnostic room	25	18	18	Warm Air - Radiant BMS Adjustable Sensor	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-02-007			DSR	1	DSR	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-02-008			Store: Equipment	1	Storage Area Equipment	28	16	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-02-009			ECG Procedure Room	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-02-010	Admin Office		1	Cellular / Ward Offices	28	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-02-012	Domestic Sleep Studies		1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-02-013	Lung Function Laboratory		1	Treatment Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-02-014	Exercise Tolerance Test Room		1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-02-015	Physical Measurement		1	Consulting Room	25	18	18	Adjacent Space Transfer Air	None	Yes	None	None	0	0	n/a	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-001	D1		Staff Office	1	Cellular / Ward Offices	28	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-03-002			Parking Bay pushchairs	1	Circulation Equipment Storage Bays	28	16	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-03-003		WC & handwash: specimen, wheelchair	1	Toilet	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-03-004		DSR	1	DSR	28	18	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-03-005		Examination Room: Fields bed	1	Consulting Room	25	18	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans	
1-03-006		C/E Orthopaedic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Cooling Cooled Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-007		C/E Orthopaedic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Cooling Cooled Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-008		C/E Orthopaedic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Cooling Cooled Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-009		C/E Orthopaedic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Cooling Cooled Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D4-001	D4	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D4-002		ABR Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-D4-003		Treat Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-D4-004		Shared Staff Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D4-005		Testing/Clinic Rooms	1	Consulting Room	25	18	Warm Air - Fanless Supply	EMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-D4-006		Obs/Control	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-D4-007		Testing/Clinic Rooms	1	Consulting Room	25	18	Warm Air - Fanless Supply	EMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-D4-008		Obs/Control	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-D4-009		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D4-010		Work Room	1	Small Workshop	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-D4-012		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D4-013		Mould Room	1	Small Workshop	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-05-002		G5	Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-05-003			Clean Utility / Dental Store	1	Clean Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-05-004			Surgey (multi-disciplinary)	1	Dental Surgery	25	18	warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
G-05-005			Surgey (multi-disciplinary)	1	Dental Surgery	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-05-006	Mobile Inter-oral Storage		1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-05-007	Recovery		1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m	
G-05-008	Surgey (standards)		1	Dental Surgery	25	18	warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
G-05-009	Surgey (standards)		1	Dental Surgery	25	18	warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
G-05-010	Surgey (standards)		1	Dental Surgery	25	18	warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-D6-001	D6		Doctors 1.1 Phone Booth	1	Callular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	2	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-D6-002		Staff Office - All specialists (30 general)	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-003		Meeting Rooms - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	6 people at 10 l/s per person (each)	6 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-004		Doctors 1.1 Phone Booth	1	Callular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-005		Meeting Rooms - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-006		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-007		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-008		Doctors 1.1 Phone Booth	1	Callular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-010		Doctors 1.1 Phone Booth	1	Callular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-011		Store - TIP	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-012		Store - Dental	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-014		Store - Physio	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-015		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-016		management office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-017		ABC Staff Office/Reception Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-018		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-019		Equipment Decontamination	1	Equipment Decontamination	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-D6-020		Dietetic Clinic Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-D6-021		Dietetic Clinic Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-D6-022		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D6-023		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D6-024		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-025		Infant Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D6-026		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (chub)	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D6-027		Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-D6-028		Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Mix. Stratification	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
1-06-029	DT	Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-030		Standard Distraction Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m	
1-06-031		Store - Details	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-032		Large Distraction Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m	
1-06-035		Standard Distraction Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m	
1-06-036		Treatment Room (DT equip)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-037		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-038		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-039		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-040		Splinting / Casting Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m	
1-06-041		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-042		Parity	1	Parity	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-06-043		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-044		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-045		Store - SALT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-046		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-047		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-048		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-049		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-050		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-052		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-053		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-054		Rehabilitation Room (inc CV equip)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m	
1-06-057		WC - assisted (large-changing)	1	Toilet	28	18	Radiant Panels	Remote Sensor ACS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-060		Reus Bay	1	Reusification Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-061		Reus Bay	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor ACS	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-07-001		DT	Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor ACS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-002			Dressings / Doppler/Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-003			Dressage Room (Burns)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m
1-07-004			Sluice	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-006			Single Telephone Booth	1	Circulation Area	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-006			Dressings Room (Burns)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m
1-07-007			Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-08-001		DB	Open Plan Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-08-002			Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-002		DB	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
3-09-003			Receptionist staff	1	Reception	28	18	Adjacent Space Transfer Air	None	Yes	Hot Water/Chilled	Central Supply Air	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-004			WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-09-005			Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-09-006			Interview, Counselling & Quiet Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-007			Office and Storage 2 staff	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-008			Resuscitation Trolley Bay	1	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-09-009			Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	No	None	None	0	0	n/a	None	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m
3-09-010			Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
3-09-011			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.05m
3-09-012			Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-09-013			Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m
3-09-014			Parity	1	Parity	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-09-015			Ward Management Office	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-016			DB	Patient Treatment Lounge	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	3	Negative	F7	43	41	500	n/a	1000	A	90	Switch
3-09-017	Dirty Utility	1		Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-09-018	Touchdown Base	1		Staff base	28	18	Radiant Panels	Remote Sensor ACS	No	None	None	0	0	n/a	None	n/a	n/a	200/300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pressure)	Cooling (type)	Ventilation (type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane		
3-D9-019	Pod	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-D9-020		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-021		Parking Bay: 1 patient trolley/each	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-022		Multi Bed Room: day care, 3 beds	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	0	via ensuite	possible to circulate	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-D9-023		En-suite wheelchair-accessible WC, Shower & wash Mts	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-024		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-D9-025		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-026		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	43	n/a	100 (KNO)	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-027		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-028		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-D9-029		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	8	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-001		Pod	Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	0	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 3m
G-E1-001			Multi-Functional Activity Zone	1	Patient Accommodation Day	25	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	None	0	0	n/a	None	43	41	100	n/a	None	A	80	Switch	Bed / Trayley 1.45m
G-E1-002	RHSC OPD Reception		1	Reception	28	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-E1-003	RHSC OPD Suite A Sub-Wating		1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	No	None	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Switch	Floor 3m	
G-E1-004	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-005	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-006	WC Fully Accessible changing room		4	Toilet	28	18	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-007	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-008	DSR		1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-009	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-010	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-E1-011	RHSC OPD Main Waiting		1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Switch	Floor 3m	
G-F1-002	Pod		Consultant Physician's Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	0	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-003		Storage (Testing)	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-F1-004		Ward Manager Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	0	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-005		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-006		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	3	0	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-007		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-008		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-009		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-010		Decision 1:5 Phlebotomy Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-011		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 3m		
G-F1-012		Storage / Photocopy	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
G-F1-014		Secretary/Help Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-016		Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-017		Shower / WC / WHB assisted	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m		
G-F1-018		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m		
G-F1-019		Play Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	8	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 3m		
G-F1-020		Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	13 people at 10 l/s per person (10 each)	12 people at 10 l/s per person (10 each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-021		Control / Viewing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (7 each)	5 people at 10 l/s per person (7 each)	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m		
G-F1-022		Time Out Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	77	43	41	300	n/a	None	A	80	Switch	Floor 3m		
G-F1-023		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (10 each)	8 people at 10 l/s per person (10 each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-024		Large Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	130 people at 10 l/s per person (each)	130 people at 10 l/s per person (each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-026		Large Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (10 each)	8 people at 10 l/s per person (10 each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-027		Sitting Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 3m		
G-F1-028	Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
G-F1-030	Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
G-F1-031	Sitting Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 3m			
G-F1-032	Group Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m			

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-F1-022	F1	CAMHS - 12 Beds	Art Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15 people at 10 l/s per person (fact)	15 people at 10 l/s per person (fact)	Balanced	FF	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-F1-024			Therapy / Play Therapy Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-026			Dining Room (Residents & Day Prog)	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-027			Therapeutic Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	FF	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
G-F1-028			WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-029			Ward Kitchen	1	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	6	Negative	None	43	60	500	n/a	None	A	80	Switch	General working plane 1m
G-F1-040			WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-041			Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	FF	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-F1-042			DDR	1	DDR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	500	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-043			WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-044			Division 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-045			Multidisciplinary Office - ITs	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-047			Recreation Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-048			Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	6	8	Negative	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-049			Division 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-050			Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	FF	43	41	300	n/a	1300	A	80	Switch	Bed / Trayley 1.45m
G-F1-051			Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	FF	43	41	500	n/a	1300	A	80	Switch	Bed / Trayley 1.45m
G-F1-052			Drug Room	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	FF	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-F1-053			Multi-Disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-054			Laundry Room	1	Laundry	25	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply and Extract	5	10	Negative	FF	43	60	300	n/a	None	A	80	Switch	Floor 0m
G-F1-056			Open Space	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	FF	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-F1-057			Partry	1	Partry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-058			WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-059			Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-061			Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-062			Clinical Base - Open Plan Area	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	6	Positive	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-063			Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	FF	43	41	300	n/a	1300	A	80	Switch	Bed / Trayley 1.45m
G-F1-065			Quiet Zone	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-067			Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-068			En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-069			Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-070			En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-071			Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-072			En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-073			Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-074			En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-075			Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-076			En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-077			Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-078	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-079	Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
G-F1-080	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-081	Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
G-F1-082	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-083	Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
G-F1-084	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-085	Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
G-F1-086	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-087	Single Bed Room (Bays)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
G-F1-088	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-089	Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	100 (1000)	n/a	None	A	80	Automatic Controls	Floor 0m		
G-F1-090	Single Bed Room (Bays)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min. stratification	Surface temp	Water temp	Normal lux	Height lux	Local lux	Staircase grade	Colour (waller)	Control	Plane	
G-F1-091		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-092		Guest Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-096		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-099		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-107		Isolation Room	1	Isolation Room	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	General Supply and Extract	3	3	Balanced	??										
2-G2-002	G2	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-003		Clean Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-004		Dirty Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-005		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-002	G3	On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	??	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
1-G3-003		En-suite Shower / WC / WHB	1	Bathroom	28	18	Radiant Panels	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-004		On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	??	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
1-G3-005		En-suite Shower / WC / WHB	1	Bathroom	28	18	Radiant Panels	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-006		On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	??	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
1-G3-007		En-suite Shower / WC / WHB	1	Bathroom	28	18	Radiant Panels	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-008		Mini Kitchen	1	Eating/Drinking	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central General Extract	0	5	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-G3-009		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-002		H1	Conference / Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	15 people at 10 l/s per person (1.5ach)	15 people at 10 l/s per person (1.5ach)	Balanced	??	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-003			Seminar / Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	36 people at 10 l/s per person (1.2ach)	36 people at 10 l/s per person (1.2ach)	Balanced	??	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-004	Seminar / Tutorial Room		1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	32 people at 10 l/s per person (1.2ach)	32 people at 10 l/s per person (1.2ach)	Balanced	??	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-005	WC - Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-006	Disposal Hold		1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-007	Waiting Area		1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	??	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
4-H1-008	Lockers		1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	9	4	positive to WC	??	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-009	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-010	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-011	DSR		1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-012	10 Person Office		1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-013	Admin Office		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-014	Beverage Bay		1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	43	41	100 (400)	n/a	None	A	80	switch	Floor 0m
4-H1-015	Storeroom - Photocopying		1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-016	Tissue Culture Room		1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Balanced	??	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-017	Meeting Room - 4 person		1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Refr. Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (1.2ach)	4 people at 10 l/s per person (1.2ach)	Balanced	??	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-018	Molecular Biology Laboratory		1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Balanced	??	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-019	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-020	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-021	Student Records Store		1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	4	3	Positive	??	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-022	Laboratory - Francis Manager's Office		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-024	Senior Academic Staff		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-025	Senior Academic Staff		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-026	Freezer Store		1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-027	Physiological Laboratory		1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Balanced	??	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-028	Senior Academic Staff		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-029	Head of Department		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-030	Senior Academic Staff		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-031	Senior Academic Staff		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-032	Senior Academic Staff		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-033	WC - Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-035	Storeroom - Photocopying		1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	??	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-036	Gas Store	1	Storage Area Med Gas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-H2-001		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-002		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	??	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (gas/mix)	Ceiling (type)	Ventilations (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. stratification	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane				
1-HQ-004	HQ	Clinical Research Facility	Reception	1	Reception	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	3	3	Positive	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m				
1-HQ-005			WC Accessible Patients	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m			
1-HQ-006			DSR	1	DSR	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 9m			
1-HQ-007			Office - 4 person	1	Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
1-HQ-008			Linen Bay	1	Linen Bay	26	16	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	43	n/a	100 WASH	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-009			Consult / Assessment	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-HQ-010			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-HQ-011			WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-012			Partry	1	Partry	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	5	8	Negative	77	43	41	200	n/a	None	A	80	Switch	Floor 9m		
1-HQ-013			Store - Equipment	1	Storage Area Equipment	25	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-014			Clinical Study Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m		
1-HQ-015			En-suite Shower / WC / WHB	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-016			Sample Processing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	8	8	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m		
1-HQ-017			Dirty Utility	1	Dirty Utility	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-018			En-suite Shower / WC / WHB	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-019			Clean Utility	1	Clean Utility	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply Air	6	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m		
1-HQ-021			Isolation Bedroom	1	Bedroom	26	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Yes	Supply Via Lobby	10	10 via the ensuite	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
1-HQ-022			En-suite Shower / WC / WHB	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-023			Isolation Bedroom Entrance Lobby	1	Isolation Lobby	26	18	Warm Air - Radiat Safety	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Yes	Central Supply	26	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m		
1-HQ-024			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Natural & Central Supply Air	4	0	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
1-HQ-028			Teach Down Base	1	staff base	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply Air	2 people at 10/16 per person (7ach)	2 people at 10/16 per person (7ach)	Positive	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-HQ-001			HQ	Clinical Education Suite	Workshop / Tutorial Room	1	Classroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	10 people at 10/16 per person (7ach)	10 people at 10/16 per person (7ach)	Balanced	77	43	41	300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-HQ-002					Control Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	10 people at 10/16 per person (7ach)	10 people at 10/16 per person (7ach)	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
3-HQ-003					Storage	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
3-HQ-004	Workshop / Tutorial Room	1			Classroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	10 people at 10/16 per person (7ach)	10 people at 10/16 per person (7ach)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
3-HQ-005	Scenario Room	1			Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	10 people at 10/16 per person (7ach)	10 people at 10/16 per person (7ach)	Balanced	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-HQ-006	WC / WHB disabled	1			Toilet	26	18	Radiant Panels	Remote Sensor Adj.	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
3-HQ-007	WC Ambulant	1			Toilet	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
3-HQ-008	WC Ambulant	1			Toilet	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
3-HQ-010	Workshop / Tutorial Room	1			Classroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	10 people at 10/16 per person (7ach)	10 people at 10/16 per person (7ach)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
3-HQ-011	Beverage Bay	1			Tea Making	26	18	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Balanced	None	43	41	100 WASH	n/a	None	A	80	switch	Floor 9m		
3-HQ-012	DSR	1			DSR	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 9m		
3-HQ-013	Manual Handling, Health & Safety	1			Classroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	6	4	Positive	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
3-HQ-014	Practice Based Educators Office	1			Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	4	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-HQ-015	Meeting Room	1			Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	14 people at 10/16 per person (7ach)	14 people at 10/16 per person (7ach)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-HQ-016	Seminar Room	1			Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	23 people at 10/16 per person (8ach)	23 people at 10/16 per person (8ach)	Balanced	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-HQ-018	Management Admin Office	1			Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	6	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-HQ-019	Computer Controls	1			Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	4	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-HQ-020	Lockers	1			Circulation Equipment Storage Bays	26	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	6	4	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m		
G-II-001	II	Main Entrance - Public Spaces			Drainage Lobby	1	Circulation Area - Entrance Lobby	26	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-II-002					Wheelchair Bay	1	Circulation Area	26	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-II-003					Security Office	1	Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-II-004					Waiting Machine	1	Waiting Room	26	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-II-005					Reception / Information Desk	1	Reception	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply Air	3	6	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-II-006					Retail Shop	1	Retail Shop	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	3	3	Balanced	None	43	n/a	300	n/a	None	A	80	Switch	Floor 9m
G-II-007			Catering Shop	1	Catering Shop	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Yes	Central Supply and Extract	3	3	Balanced	None	43	n/a	300	n/a	None	A	80	Switch	Floor 9m		
G-II-008			Waiting Area	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Yes	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 9m		
G-II-009			Public Telephone Booth	1	Circulation Phone Booth	26	18	Adjacent Space Transfer Air	None	No	None	None	n/a	0	0	n/a	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m			
G-II-010			WC - Visitors	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
G-II-011			WC - Wheelchair accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m		
G-II-012			Assisted Change/Nappy Change	1	Nappy Change	26	18	Radiant Panels	Remote Sensor Adj.	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 9m		
G-II-013			DSR	1	DSR	26	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 9m		

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min. stratification	Surface temp.	Water temp.	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-11-014		Fire Control room	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-12-002	12	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-12-004		Store - Swets	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-12-005		Store - Toys	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-001	41	Lobby	1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	EMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-002		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-003		Body Viewing Room	1	Body View	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	6	Negative	77	42	n/a	100 (200)	n/a	None	A	80	Switch / Dimmer	Floor 0m
1-1-004		Sitting Room with Beverage Bay	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	8	Negative	77	42	41	300	n/a	None	A	80	Switch	Floor 0m
G-12-002	42	Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-12-003		Prayer / Meditation / Reflection Area	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	8	Negative	77	42	41	300	n/a	None	A	80	Switch	Floor 0m
G-12-004		WC wheelchair accessible / Ritual Washing Area	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-12-005		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-12-006		Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-001	K1	Meeting Rooms (family size)	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (each)	10 people at 10 l/s per person (each)	Balanced	77	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-002		Meeting Rooms (family size)	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (each)	10 people at 10 l/s per person (each)	Balanced	77	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-003		Office 1	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-004		Office 2	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-005		Office 3	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-006		Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	42	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-K1-007		Nappy Changing Room	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	42	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-008		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-010		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-011		Office 4	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-012		Office 5	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-013		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-015		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-016		Drop-In Lounge / Beverage Bay	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	42	41	300	n/a	None	A	80	Switch	Floor 0m
G-K1-017		Drop-In Multi-Purpose Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	8	Negative	77	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-018		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-019		Beverage Bay	1	Tea Making	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	5	Negative	None	42	41	100 (200)	n/a	None	A	80	switch	Floor 0m
G-K1-021		Complementary Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	42	41	300	n/a	1000	A	80	Switch	Bed / Tray / 1.45m
G-K1-022		Relax Lounge / Breaching Study Lobby	1	Circulation Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	5	5	Balanced	77	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-023		Wheelchair Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-024		Office 6	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-025		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-026		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-029		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-002		Reception/Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	3	2	Positive	77	42	n/a	300	n/a	None	A	80	Switch	Floor 0m
3-K2-003		Office - 1 person	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	2	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-K2-004		WC - Female	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-005		WC - Male	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-006	Lounge - non residents	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	42	41	200	n/a	None	A	80	Switch	Floor 0m	
3-K2-007	WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-008	Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	77	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-K2-009	En-suite Shower / WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-010	Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-K2-011	En-suite Shower / WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-012	Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	77	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-K2-013	En-suite Shower / WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-014	Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	77	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-K2-015	En-suite Shower / WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-016	Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Positive	77	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating (type)	Heating Control	Cooling (greenhouse)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min. Stratification	Surface temp	Water temp	Normal lux	Night lux	Local lux	Stairway grade	Colour render	Control	Plans
1-1-066		Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-067		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-068		Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	10	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-069		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-070		Interview/Relatives Queir Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-1-071		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (N/A)	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-072		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-073		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-074		Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-075		Staff Base	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-1-076		Storage Consumables	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-077		En-suite Accessible Shower/WC/HS	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-078		Hot Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-079		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-080		WC Independent Wheelchair	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-082		Relatives Overnight Stay Room	1	Relatives Overnight Bay	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	41	100	n/a	None	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-083		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-084		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085		Mobile X-Ray Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-086A		Storage Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-086B		Storage Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-087		Shower Room-an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	77	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-088		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-089		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Supply and Extract	2 people at 1000per person (each)	2 people at 1000per person (each)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-1-090		Storage Stationery	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-091		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-082		Shower Room-an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-093		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-094		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-095		DDR	1	DDR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-096		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-097		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	77	43	41	100	5	300	A	80	switch / dimmer	Bed / Trayley 1.45m
1-1-099		En-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-100		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	77	43	41	100	5	300	A	80	switch / dimmer	Bed / Trayley 1.45m
1-1-101		En-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-102		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
1-1-104		Isolation Lobby	1	Isolation Lobby	28	18	Warm Air, Remote Battery	Local, Sensor Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	56	0	Positive	77	43	n/a	200	0.8	None	A	80	Automatic Controls	Floor 0m
1-1-106		Physical Measure	1	Consulting Room	25	18	Warm Air, Remote Battery	None	No	None	None	0	0	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
1-1-109		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 1000per person (each)	2 people at 1000per person (each)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-1-002		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-003		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (N/A)	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-004		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-005		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-006		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-007		Shower Room-an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-008		Hot Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-009		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 1000per person (each)	2 people at 1000per person (each)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-1-010		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-011		Shower Room-an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-012		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-013		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-014		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Ventilation Type	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. Stratum	Surface Temp	Water Temp	Normal lux	Light lux	Local lux	Standby grade	Colour render	Control	Plane
2-L2-015		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-016		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-017		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 1000/cp person (13ach)	2 people at 1000/cp person (13ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-018		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-019		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-020		Resurrection Trolley Bay	1	Resur Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-021		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-022		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-023		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-024		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-025		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 1000/cp person (13ach)	2 people at 1000/cp person (13ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-026		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-027		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-028		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-029		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-030		Dry Utility	1	Dry utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-031		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-032		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-033		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-034		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-035		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-036		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-037		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-038		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Fanheat Siller	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	H+4	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-039		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	H+4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-040		Isolation Shower Room	1	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	None	Dry Extract	0	42	Negative	None	43	41	100 (H/M)	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-041		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-042		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-043		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-044		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-045		Touchdown Base	8	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 1000/cp person (13ach)	2 people at 1000/cp person (13ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-046		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-047		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-048		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-049		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-050		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-051		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-052		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
2-L2-053		Ironing Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (6ach)	4 people at 10 l/s per person (6ach)	Balanced	F7	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-L2-054		Dry Utility	1	Dry utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-055		Sitting Room	1	Common room-staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	42	41	300	n/a	None	A	80	Switch	Floor 0m
2-L2-056		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Well Mixed Ind.	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-L2-057		Multidisciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-L2-058		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-059		Hotel Bay	3	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-060		WC- Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-061		WC- Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-062		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Dry Extract	0	6	Negative	F7	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m
2-L2-063		Touchdown Base	7	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 1000/cp person (13ach)	2 people at 1000/cp person (13ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-064		Mobile X-Ray Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-065		WC- Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-066		WC- Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (ind)	Temp (out)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-12-067	DCN Inpatients - 42 Beds	Clinical Supplies Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-068		WC: Independent Wheelchair	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-069		Teaching Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	9 people at 10 l/s per person (3ach)	9 people at 10 l/s per person (3ach)	Balanced	FF	43	41	200	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
2-12-070		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-071		WC: Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-072		WC: Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-073		Reception	1	Reception	28	16	Adjacent Space Transfer Air	None	Yes	Not Installed (N/A)	Central Supply Air	0	10	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-074		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	5	Balanced	FF	43	n/a	200	n/a	None	A	80	Switch	Floor 0m
2-12-075		Multi-disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-076		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-077		Interview Room	1	Meeting Room	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (3ach)	4 people at 10 l/s per person (3ach)	Balanced	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-078		Ward Kitchen	1	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m
2-12-079		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	0	Positive	FF	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
2-12-080		Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-081		Sitting Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-12-082		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-083		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-084		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-085		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-086		Touchdown Base	6	staff base	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-087		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-088		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-089		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-090		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-091		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-092		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-093		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-094		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-095		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-096		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-097		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-098		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-099		Resuscitation Trolley Bay	1	Resusc Trolley Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-100		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-101		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-102		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-103		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-104		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-105		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-106		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-107		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-108		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-109		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-110		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-111		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-112		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-113		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-114		Shower Room-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-115		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-117		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
2-12-118		Shower Room-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-119		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Min Stratification	Surface temp	Water Temp	Humidistat	Light lux	Local lux	Standby grade	Colour render	Control	Plane
2-12-120		Shower Room-in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-121		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-122		Shower Room-in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-123		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-124		Shower Room-in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-125		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-126		Shower Room-in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-127		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-128		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-129		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100cper person (13acft)	2 people at 100cper person (13acft)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-130		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-131		Shower Room-in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-132		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-133		Shower Room-in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-134		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Stairway	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	2 47	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-135		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	4 10	10 via the ensuite	Balanced	H14	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
2-12-136		Isolation Shower Room	1	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	None	Dirty Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-137		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100cper person (13acft)	2 people at 100cper person (13acft)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-138		Shower Room-in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-139		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-140		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-141		Shower Room-in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-142		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-143		Shower Room-in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-144		Linens Bay	1	Linens Bay	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-152		Physical Measure	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
2-12-153		Store	1	Store	28	18	Adjacent Space Transfer Air	None	No	None	Central Extract	3	3	Balanced	N/A	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-M1-002		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-003		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-004		Nurse Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Supply and Extract	1 person at 100cper person (6acft)	1 person at 100cper person (6acft)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-M1-005		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-006		Linens Bay	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-007		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-008		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-009		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-010		Phy Op Clinic Team Office (3 person)	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	F7	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-011		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-012		Consult/Multi Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-013		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-014		Treatment Room (self prepared)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wet Mounted Unit	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-015		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-016		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-M1-017		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-018		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-019		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-020		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-021		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-022		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-023		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-024		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-025		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-027		Consult/Multi-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-M1-028		Dirty Utility-urne test	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-029		Outpatients Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-021		Nurse Bed	1	staff beds	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-M1-032		Main Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-M1-034		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-035		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-036		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-M1-037		Store - Clinical Supplies, Equipment & Stationery	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-038		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	5	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-039		WC Fully Accessible Changing Room	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	10	Negative to corridor	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-040		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	3	Negative	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-041		Store - Equipment / General	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	Wall Mounted Unit	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-042		Phlebotomy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-043		Public Telephone Booth	1	Circulation Phone Booth	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-045		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-046		Medical Records Store	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-047		Emergency Information Desk - 2 staff	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-049		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-050		ESR	1	ESR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	5	Negative	None	43	50	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-051		Sub Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
2-M2-002		DCN Therapies	Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-003			Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply Air	3	1	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-004			Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-005			Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-006			Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
2-M2-007			ADL Bathroom, Shower, WC with hoists	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-M2-008			Physio Treatment Room	1	Physiotherapy Studio	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Diffused Supply and Extract	10	0	Positive	F7	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 0m
2-M2-009			ADL Kitchen	1	Party	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-M2-010			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
2-M2-011			Distraction Free Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m
2-M2-012			Distraction Free Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m
2-M2-013	Staff Lockers		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-014	WC Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-015	Staff Toilet		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-016	Staff Toilet		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-017	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-018	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-019	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-020	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-021	Store - General/Equipment		1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-022	Patient Toilet		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-023	Multi-Purpose Rehabilitation Room		1	Physiotherapy Studio	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Negative	F7	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 0m	
2-M2-024	Store - General/Equipment		1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-025	Store - General/Equipment		1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-002	Programmed Investigations Unit		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
2-M2-003			Treatment Area	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
2-M2-004			Waiting area: 4 & 2 wheelchairs	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
2-M4-002			Waiting Area (DCN)	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
2-M4-003			Executive Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M4-004			Reporting Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M4-005	HOQ Office		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M4-006	WC - wheelchair accessible (DCN)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Strat.	Surface temp.	Water temp.	Normal lux	Night lux	Local lux	Staircase grade	Colour tender	Control	Plane
2-44-007	MH	DCN Neurophysiology	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-44-008			1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-44-009			1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-44-011			1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-44-012			1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-44-013			1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	7	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-44-014			1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-44-016			1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-44-017			1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-44-018	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m		
2-44-019	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m		
G-N1-001	N1	DCN Entrance	1	Reception	28	18	Underfloor Heating	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-N1-002			1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-N1-003			1	Toilet	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-N1-004			1	Toilet	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-N1-005			1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-N1-006			1	Circulation Areas	28	18	Underfloor Heating	Remote Sensor AS	No	None	None	0	0	n/a	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-N1-007			1	Waiting Area	28	18	Underfloor Heating	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
2-N2-000	N2	DCN Wards / Health Records Support - (N2)	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-N2-002			1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-N2-004			1	Disposal Hold (small)	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-N2-005			1	Disposal Hold (large)	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	50	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-002	N3	DCN Wards / Health Records Support - (N3)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-F1-003			1	Bedroom	28	20	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Dirty Extract	4	3	Positive	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-004			1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-005			1	Bedroom	28	20	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Dirty Extract	4	3	Positive	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-006			1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-007			1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	3	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-F1-008			1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	3	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-F1-009			1	Meeting Room - DCU	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-F1-010			1	Bedroom	28	20	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-011			1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-012			1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
1-F1-013			1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-014			1	Meeting Room - DCU	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-F1-015			1	Clean Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-F1-016			1	Parity (DCU)	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
1-F1-017			1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-018			1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100/1000	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-020			1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-021			1	Staff Base/Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (each)	2 people at 10 l/s per person (each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-F1-022			1	Clean Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-F1-023			1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-024			1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-F1-025			1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-F1-026			1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-F1-027			1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100/1000	n/a	None	A	80	Automatic Controls	Floor 0m
1-F1-028			1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-F1-029			1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-F1-030			1	Recovery room post anaesthetic, 1 place	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-F1-031			1	Recovery room post anaesthetic, 1 place	25	20	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-F1-032			1	Operating Theatre	31	18	warm air via AHU Battery	Local BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch / Dimmer	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (lit/hr)	Extract (ach/hr)	Relative pressure	Mn filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
1-P1-023		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-024		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-025		Octagon 1.1 Phone Booth	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-026		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-028		Sanitary Pharmacy Store	1	Clean Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-029		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-040		Exit Bay	1	Operating Theatre Suite	25	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	n/a	None	43	41	200	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-041		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-042		Parking bay fibre optic bronchoscope light source trolley	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-043		X-Ray/Ultrasound Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-044		Operating Theatre	1	Operating Theatre Suite	31	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-045		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-046		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-047		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-048		DSR	1	DSR	23	12	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	50	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-049		Clean Scoop Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-050		Day Case Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-051		MRU Reporting	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-052		WC-Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-053		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	0	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-054		Sub-Wait Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-055		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	4	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-056		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	4	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-057		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-058		Angiography Procedure Machine Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Ceiling Cassette - Cooled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-059		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-060		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Balanced	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-061		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-063		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-064		MRU Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	8 & 25 (Theatre Mode)	8	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
1-P1-065		Control Room - MRU	1	Cellular / Ward Office	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-065		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-067		Exit Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	No	None	None	0	0	n/a	None	43	41	500	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-068		Equipment Room - MRU	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	Yes	By Specialist	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-068		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-070		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-071		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-072		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-073		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-074		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-075		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-076		Exit Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41	200	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-077		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-078		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-079		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-080		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-081		Octagon 1.1 Phone Booth	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-084		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-085		Octagon 1.1 Phone Booth	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-086		Medical Gas Cylinder Store	1	Storage Area Med Gas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	7	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-087		Clinical Equipment Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-088		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Mn. Strat.	Surface Temp	Water Temp	Normal lux	Height lux	Local lux	Sound grade	Colour render	Control	Plane	
1-P1-083	P1 Operating Theatres & RHSC Surgical Day Case Unit	DCN Waste Management Office	1	Cellular / Ward Offices	25	18	Water/Water	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-090		City Utility (Infectious Storage & Utility)	1	Utility	25	18	Water/Water	Radiant Panels	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-091		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-092		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-093		Angiography Procedures Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-094		Angiography Procedures Control Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-095		Staircase	1	Clean Utility	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-097		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-098		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-099		Staircase	1	Clean Utility	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-100		Female Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-101		Clean Trays	1	CSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-102		Male Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-103		Laundry Machine Washing Area	1	Utility	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-104		Dirty Trays	1	Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-105		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-106		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-107		Resuscitation Trolley Bay	1	Resus Trolley Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-108		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	150-200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-109		Recovery bay post anaesthetic 1 place	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m	
1-P1-113		Staff and communication base, enclosed 3 staff	1	Cellular / Ward Offices	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-116		Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-117		IPS Room	1	IPS Room	30	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-118		Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-119		Reception, administration office & communication base 4 staff	1	Reception	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	3	6	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-120		Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-121		Interview, counselling & quiet room, 5 persons	1	Meeting Room	25	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 m ² per person (6ach)	5 people at 10 m ² per person (6ach)	Balanced	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-122		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-123		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-124		Duty Room - 2 persons	1	Cellular / Ward Offices	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-127		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-128		Admissions Lounge	1	Common room/staff room/lounge	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-129		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-130		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-131		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-132		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-133		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-134		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-135		Exit Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	None	None	0	0	n/a	None	43	41	200	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-136		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-137		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-138		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-140		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-141		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-142		Office (Senior Nurse Theatres)	1	Cellular / Ward Offices	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-144		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-145		Recovery 1.5-Phase Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-146		Clinical Equipment Store	1	Storage Area Equipment	28	18	Radiant Panels	Radiant Sensor ACS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-147		Office Staff	1	Cellular / Ward Offices	28	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	1	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-148		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-149		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-151		Exit Bay	1	Operating Theatre Suite	25	18	Radiant Panels	Radiant Sensor ACS	Yes	Ceiling Cassette - Chilled Water	None	None	0	0	n/a	F7	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp.	Water temp.	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans
1-P1-152		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	38	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-153		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-154		Scrubber (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-155		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-156		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-158		Dry Scoops Store	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	3	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-159		Store - Pallets	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-161		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-162		Staff Reception / Office / Control Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	4	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-163		CSR	1	CSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-164		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-165		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-167		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-168		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-169		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-170		Immediate Pre Theatre Wall	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-P1-171		WC-Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-172		Charge Nurse Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-173		Locker Bay	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-174		General Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-175		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-176		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-177		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-178		Main Waiting/Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-P1-179		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-180		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-183		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-184		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-185		Scrubber (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-186		Call Bay (interoperable)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	None	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-187		Utility Room (interoperable)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	38	Negative	F7	43	41	150	n/a	None	A	90	Switch	Bed / Trolley 1.45m
1-P1-193		Toy Wash Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-194		Cleaner Cupboard	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-195		Store (RHSC)	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-196		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-197		IR Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-002		IPB Room	1	IPB Room	25	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-003		Nappy Change Room with handwash	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-004		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-005		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-006		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-007		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	Negative to corridor	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-008		Processing Area	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-009		Ankle Reporting	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-010		Ultrasound Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-011		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-012		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-013		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-014		Ultrasound Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-015		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-016		Screening Room (fluoroscopy)	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-017		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Illumination	Surface lamp	Water lamp	Normal lux	Height lux	Local lux	Blindness grade	Colour render	Control	Plane
G-Q1-018		Ultrasound Sub Unit	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-019		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-020		Parent Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Dirty Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-021		Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	5	10	Negative	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-022		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-023		Registrars Office (5 desks)	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-024		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-025		Radioactive Waste Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	15	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-027		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-028		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-029		WC - Wheelchair accessible (bed)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-030		Gamma Camera Admin Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-031		Medical Physics Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-032		Gamma Camera Reporting	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-033		Emergency Shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-034		Hot Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-035		Injection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	10	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-036		Recovery Area	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
G-Q1-037		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-038		Gamma Camera	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit & Ceiling Suspended Unit	Central Supply and Extract	5	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-041		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	300	n/a	None	A	80	switch	Floor 0m
G-Q1-042		Gamma Camera Control Area	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-043		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-044		Gamma Camera	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit & Ceiling Suspended Unit	Central Supply and Extract	5	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-045		Injection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-046		Stress Room (myocardial work)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-047		Hot Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-048		WC - Wheelchair accessible (bed)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-049		WC - Wheelchair accessible (toilet)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-050		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-052		Counting Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-Q1-053		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-054		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-055		Meeting Room - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (10 l/s)	4 people at 10 l/s per person (10 l/s)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-057		Other Clinical Staff Office (7 Persons)	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-058		Acute Reporting	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-059		CT Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit & Ceiling Suspended Unit	Central Supply and Extract	10	10	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-061		Disabled Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-062		WC - Patient	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-063		Linon Bay	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	500	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-064		Renovation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-066		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-067		Disabled Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-068		Toilets	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-069		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-070		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-071		Control Room - CT	1	Cellular / Ward Office	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-072		Telesonography Reporting	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-073		Order Reporting	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-074		Consultant Office (5 person)	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-075		Consultant Office (3 person)	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Disinfect grade	Colour render	Control	Plane
G-Q1-676		Ultrasound Admin Office	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-677		Admin Office	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-678		Waiting Area - Main Dept	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-Q1-679		Reception	1	Reception	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	5	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-680		Waiting Area	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-Q1-681		Doppler Ultrasound	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	By Specialist	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-682		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-683		Photocopy Room	1	Cellular / Ward Offices	26	18	Adjacent Space Transfer Air	None	No	None	Central General Supply	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-684		Disposal Hold	1	Disposal Hold	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-686		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-689		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	26	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-692		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	6	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-694		Sub Wall	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-Q1-695		Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-696		Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-697		WC - Wheelchair accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-698		Recovery Bay	1	Recovery	26	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	n/a	250	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-699		Equipment Room	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	Yes	Floor Mounted Glass Control	Central Supply and Extract	6	3	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-700		Equipment Room	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	Yes	Floor Mounted Glass Control	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-702		OSR	1	OSR	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-703		Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-704		Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-705		Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-706		Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-708		Injection Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-Q1-709		Toilet	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-710		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-711		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Suspended Unit	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-712		Clean Utility	1	Clean Utility	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-Q1-713		Dirty Utility	1	Dirty Utility	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-714		Store Room	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-715		Adult Waiting Area	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-Q1-719		Waiting Area	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-Q1-720		MRI Reporting	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-721		Baby Infant / Feeding Room	1	Baby Feeding	26	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	5	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-723		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	6	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-724		Equipment Room	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	Yes	Floor Mounted Glass Control	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-725		Recovery Area - 1 place	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch	Bed / Trolley 1.45m
G-Q1-726		WC - Wheelchair accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-727		WC - Wheelchair accessible & change	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-728		Accessible Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-729		Accessible Changing Cubicles	1	Changing Facilities	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-730		Induction Area - 1 place	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	5	Balanced	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-Q1-731		Staff WC	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-732		WC - Wheelchair accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-733		Equipment Room - MRI	1	IT equipment (joints server)	25	18	None	None	Yes	Floor Mounted Glass Control	Central General Extract	0	3	Negative	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-Q1-734		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-735		Control Room - CT/MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-736		CT Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Suspended Unit	Central Supply and Extract	10	10	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-737		Main Reporting	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-738		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-Q1-739		Linen Bay	1	Linen Bay	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (DIN)	n/a	None	A	80	Automatic Controls	Floor 2m

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Air filtration	Surface temp	Water temp	Humid. lux	Light lux	Local lux	Sound grade	Colour render	Control	Plane
G-Q1-140		IPB Room	1	IPB Room	22	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-141		Dental Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	10	10	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-Q1-142		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-143		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-144		Female Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-145		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-146		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-148		Store Room	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-149		Reception Room / Library	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-150		Male Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-151		Consultant Office (3 person)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-152		Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-153		Reception Area	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-154		Waiting Play Area	1	Waiting Room	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-180		Shedded Space	1		28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	3	4	Positive	None	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-181		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-001		Staff Room	1	Common room/Staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-R1-002		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-003		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-004		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-005		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 0m
2-R1-006		Meeting Room - 6 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-007		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	300	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-008		Store Clinical	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-009		Protein Phosphor Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central General Extract	3	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-010		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-011		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-012		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-013		WC - Staff (Female)	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-014		WC - Staff (Male)	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-015		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-016		WC - Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-017		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-018		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-019		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-020		Protein Phosphor Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central General Extract	3	3	Negative	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-021		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 0m
2-R1-022		Disposal Hold (small)	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-023		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-024		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-025		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-026		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 0m
2-R1-027		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-028		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-029		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-030		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-031		Doctors 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-032		WC - Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-033		WC - Staff (Male)	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-034		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	300	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-035		Protein Phosphor Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central General Extract	3	3	Negative	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-036		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac-ft)	Extract (ac-ft)	Relative pressure	Mix. filtration	Surface temp	Water temp	Humid. lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-R1-037	R1 Clinical Management Suite	Store Clinical	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-038		WC - Staff (Female)	1	Toilet	28	18	Radient Panels	Remote Sensor Adj.	No	None	Continuously Exhaust	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-039		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-040		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-041		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-042		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-043		Store Clinical	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-044		Printer/Photocopier Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central General Extract	0	3	Negative	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-045		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-046		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-047		Store Clinical	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-048		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-049A		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-049B		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-050		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051A		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051B		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051C		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052A		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052B		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052C		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-053		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055A		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055B		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055C		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055D		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-001		Management Conference Room	1	Meeting Room	25	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	16 people at 10 l/s per person (7ach)	16 people at 10 l/s per person (7ach)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-002		Management Conference Room	1	Meeting Room	25	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	16 people at 10 l/s per person (8ach)	16 people at 10 l/s per person (8ach)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-003		Meeting Room - 6 person	1	Meeting Room	25	18	Radient Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	6 people at 10 l/s per person (8ach)	6 people at 10 l/s per person (8ach)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-004		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	3	Positive	FF	43	41	100 (240)	n/a	None	A	80	switch	Floor 0m
4-R1-005		WC - Staff (Male)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-006		WC - Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-007		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-008		WC - Staff (Female)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-009		Staff Room	1	Common room/staff room/lounge	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	FF	43	41	300	n/a	None	A	80	switch	Floor 0m
4-R1-010		2nd Floor Desk	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-011		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-012		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-013		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-014		Doctors 1.5 Phone Booth	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-015		Store Management	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central General Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-016		Store Management	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central General Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-017		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-018		Disposal Hold (small)	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-019		Printer/Photocopier Room	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-002		RHSC Office	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-003	Assistant Health Records Manager Supervisors	1	Cellular / Ward Offices	28	18	Radient Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-004	RHSC - DCN Office 17 Person	1	Open Plan Office	28	18	Radient Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-005	WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-R2-006	Reception/Dispense Counter	1	Reception	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply Air	0	3	Negative	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-007	Trolley Area	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Strat.	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane
4-R2-008		RHSC & DCN Records Library (160,000 records)	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	2	3	Negative	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R2-010		Accessible WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R2-011		Detention 1-1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-51-001		Preparation/Cooking Area	1	CDS	28	18	None	None	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	26	42	Negative	F7	43	80	500	n/a	None	A	80	Switch	General working plane 1m
B-51-005		Temperature Controlled Sandwich Prep	1	CDS	12	10	None	None	Yes	Ceiling Cassette-Chilled Water	General Supply and Extract	2 people at 10.18 per person (24hr)	2 people at 11.19 per person (24hr)	Balanced	F7	43	41	500	n/a	None	A	80	Switch	General working plane 1m
B-51-006		Bakery Preparation	1	CDS	12	10	None	None	Yes	Ceiling Cassette-Chilled Water	General Supply and Extract	2 people at 10.18 per person (24hr)	2 people at 11.19 per person (24hr)	Balanced	F7	43	41	500	n/a	None	A	80	Switch	General working plane 1m
B-51-007		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
B-51-008		Office 1 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	2 people at 10.18 per person (24hr)	2 people at 11.19 per person (24hr)	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-51-009		Female Staff Changing inc Shower	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-010		Male Staff Changing inc Shower	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-012		Pen Wash	1	CDS	28	18	None	None	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	0	6	Negative	None	43	60	300	n/a	None	A	80	Switch	General working plane 1m
B-51-013		Returned Trolleys	1	CDS	28	16	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	General Supply and Extract	16	14	Balanced	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-015		Release	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-016		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	300	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-017		Clean Trolleys Park	1	CDS	28	16	Adjacent Space Transfer Air	None	No	None	General Supply and Extract	2	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-018		Debrisables / Detergent	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-019		Raw Meat	1	CDS	8	5	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	General working plane 1m
B-51-020		Veg Store	1	CDS	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-021		Freezer	1	CDS	-18	-20	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-51-022		Freezer	1	CDS	-18	-20	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-51-023		Recept bin	1	Circulation Area	28	18	Radiant Panels	Remote Sensor As	No	None	General Extract	2	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-025		Dairy Store	1	CDS	5	2	None	None	Yes	By Specialist	None	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-026		Weighting - no longer used	1	CDS	28	18	None	None	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	DW172 Dependent	DW172 Dependent	Negative	G4	43	60	300	n/a	None	A	80	Switch	General working plane 1m
B-51-027		Dry Goods	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-031		Pick and Pack	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	General Supply and Extract	2	3	Balanced	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-52-001	B-Health Infrastructure	Core Server Room	1	IT equipment (server server)	25	18	None	None	Yes	None	Central Supply	2	0	Positive	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-53-002		Lean Food (Chick)	1	Lean Bay	28	18	Radiant Panels	None	No	None	Central Extract	0	3	Negative	None	43	n/a	100 (1000)	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-003		Supplies Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-004		Laundry (in-cubicle)	1	Laundry	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	4	Balanced	F7	43	60	300	n/a	None	A	80	Switch	Floor 0m
B-53-005		Lean Food (Dry)	1	Dry utility	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-007		Cleaning Equipment Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-008		Sanitary Bin Store	1	Dry utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-009		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-010		Bulk Equipment Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-011		Detention 1-1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-53-012		Domestic Services Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-53-013		Curbin Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-54-001		Storage/Holding Area	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-54-002		Workshop	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-54-004		Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central General Extract	4	3	Positive	F7	43	41	400	n/a	None	A	80	Automatic Controls	Floor 0m
B-54-005		Porters Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-54-050		Clodding in	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-55-002		Bay for Towing Machines	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-003		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-004		Male Staff Changing Shower, WC & Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-005		Female Staff Changing Shower, WC & Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-003		DSR Room	1	IT equipment (server server)	25	18	None	None	Yes	None	Central General Extract	2	0	Positive	F7	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-56-004		Workshop (NPD)	1	Small Workshop	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
B-56-006		Staff Change	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-007		Shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-008		Shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-009		Workshop (NHS)	1	Small Workshop	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Mit. strategies	Surface temp	Water temp	Humid. lux	Light lux	Local lux	Standby grade	Colour render	Control	Plane			
B-56-010	56	Estates	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m			
B-56-011			1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	None	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-56-012			1	Estates Library	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted	None	Central Supply and Extract	2	3	Negative	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-56-013			1	Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	None	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-56-014			1	Store	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
B-56-015			1	Contract Manager	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted	None	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-56-016			1	Office / Reception	28	18	Electric Heater	Remote Sensor Adj.	No	None	None	Supply and Extract	4	3	Positive	G4	n/a	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-56-019			1	Staff WC	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-56-020			1	Atom Cleaning Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
B-56-021			1	Staff WC	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-56-022			1	WC - Staff	28	18	Electric Heater	Remote Sensor Adj.	No	None	None	Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-56-023			1	Chemical Store	28	18	Electric Heater	Remote Sensor Adj.	No	None	None	Dirty Extract	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-56-024			1	Trolley Holding Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
B-56-025			1	Trolley Holding Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
B-56-026			1	Staff Welfare	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	None	Central Supply and Extract	12 people at 10 l/s per person (each)	12 people at 10 l/s per person (each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m		
4-57-002			57	Restaurant	1	Male WC	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-57-003					1	Female WC	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-004					1	Male WC	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-007					1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-008					1	Storage/Decontaminating	28	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-009	1	DSR			28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
4-57-010	1	Restaurant			28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	None	Central Supply and Extract	100 people at 10 l/s per person (each)	100 people at 10 l/s per person (each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m		
4-57-011	1	WC Accessible			28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
B-58-001	58	Sterile Support Store			1	Trolley Holding Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-59-001	59	Helped Support	1	WC Ambulant	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m			
4-59-002			1	RFFS Charing / Support	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	None	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
4-59-004A			1	RFFS Medical Equipment Store	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-59-005			1	Trolley Bay Equip St	28	18	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-59-006			1	Cleaner	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
B-71-001	71	Plant	1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
B-71-002			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
B-71-003			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
G-71-003			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
G-71-004			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
G-71-005			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
G-71-006			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
G-71-007			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
1-71-001			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
1-71-002			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
1-71-003			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
1-71-004			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
1-71-005			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
2-71-001			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
2-71-002			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
2-71-003			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
2-71-004			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
2-71-005			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
2-71-006			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
3-71-001			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
3-71-002			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
3-71-003			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			
3-71-004			1	IT Node Rooms	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m			

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-T1-005		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-001		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-002		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-003		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-V1-001		Confidential Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-V1-002		WEEE / Furniture / Waste Goods	1	Storage Area Equipment	n/a	n/a	Radiant Panels	Remote Sensor Adj.	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-001		EC Plant Room 1	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-002		EC Plant Room 2	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-003		HV Gen Control Room	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-004		HV Generator	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-005		HV Plant	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-006		HV Plant	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-008		Entrance Lobby																						
M-X1-001	UT	Muzz Plant 1	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001A		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001B		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001C		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-002		General Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-003		Gas Manifold	1	Storage Area Equipment	40	10	Electric Heater	Remote Sensor Adj.	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-004		Kitchen Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-005		Clinical Waste - Clean	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-006		Wash Area	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-008		Boiler Store																						
		4-Plant 008																						

Contractor Document Review
RHSC & DCN Edinburgh

- No Comment
- Proceed subject to comments, response and resubmission within 8 business days
- Rejected - resubmitted resubmit within 7 business days

By (checked by) [Redacted]
Date 20/4/16

Brockfield (Multiplex Level 3) does not activate the consultation of its (Clients) with regard to coordination and conformity with the other documents and specialist Subcontractors design and the project agreement and employers requirements and to ensure, plan and to ensure that there are no ambiguities, discrepancies, inconsistencies or omissions within the document, if between it and any other design document.

Royal Hospital for Sick Children and Department for Clinical Neurosciences - Edinburgh

RHSC / DCN RDS Environmental Matrix

Document highlighted items amended inline with NHS comments.

26th November 2015 & 11th February 2016

26th November comments in red and the 11th February comments in amber

WW-XX-XX-DC-XXX-001 Rev 05

Dept Code	Index
~	Cover
~	Guidance Notes
~	Room Function Reference Sheet
~	Occupancy & Equipment Load Allowances
A1 - A4	Front Door - A&E / Assessment Ward
B1	Critical Care / HDU / Neonatal Surgery
C1 - C5	RHSC In Patient Pathway / Ward Care
D1 - D10	RHSC Ambulatory Care
E1	Pod
F1	Child and Adolescent Mental Health
G2 - G3	Clinical Support
H1 - H3	Academic
I1 - I2	Facilities / Infrastructure Support Services
J1 - J2	Patient / Family Support
K1 - K2	Family Facilities
L1 - L2	DCN In Patient Pathway / Ward Care
M1 - M4	DCN Support Space
N1	DCN Out Patient Departments
P1	Combined Theatres
Q1	Combined Radiology
R1 - R2	Office / Admin Support Services
S1 - S7	Combined Facilities / Infrastructure Support Services
T1	Plant
U1	Shelled Space

RDD

Reviewable Design Data
Section 5 of Schedule Part 6

Board	
Name:	B. CORRIGAN
Date:	15/4/16
Sign:	[Redacted]
Level:	B

Comment:

FOR BOARD'S COMMENTS REFER TO MH-GC-001398

In accordance with the Levels as set out in clause 4 Effect of Review and Schedule Part 6 (Review Procedure),

Level A - No Comment
Level B - Proceed subject to Amendment as noted
Level C - Subject to amendment as noted
Level D - Rejected

The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments

	Item	Initial Response	Feed back	Reconciliation
1	Update the Environmental Matrix shall be updated by Project Co to reflect all the rooms and room types in the proposed Facility, this should be based on an updated Schedule of Accommodation that has been commented on separately by the Board. This also needs to reflect the names and room numbers in the GSU table.	Individual room numbering being applied.	OK	Agreed
2	Include the requirements contained in the Clinical Output Specification including but not limited to the requirement that theatre temperatures are to be able to be raised to 31°C for certain operations.'	We have made reference to the figure of 31°C in the Guidance Notes. 'Theatre temperatures are to be able to be raised to 31°C for certain operations.'	Temperature control in theatres is covered in the Operational Design Notes V5 14th Oct2014 for RHSC Theatres 1 & 2. Operating theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged in the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation. THIS HOWEVER IS NOT NOTED ANYWHERE	This statement is now incorporated within the guidance notes of the matrix
3	Measures shall be assessed, modelled and implemented to demonstrate that the internal air temperature of the following room types to reduce the temperature control from 28°C to 25°C- Treatment Rooms, Consulting Rooms; Laboratory; Physiotherapy Studio, Recovery. These room shall not exceed the maximum acceptable level of 25°C for more than 50 hours per annum	The Temp (max) column within the table has been updated to 25°C for the agreed rooms 3.1- 3.5 above.	OK	Agreed
4	Detailed proposal awaited on bedroom ventilation to achieve balanced/ negative pressure relative to corridor.,	The single bedrooms have had their ensuite extract increased to achieve a balance within the room, this has been noted within the matrix.	NOTE 26 AND VENTILATION TYPE HAVE NOT BEEN ALTERED.	Refer to Matrix
5	Colour rendering all stated as 80 where certain areas should be 90	Amended.	NEEDS TO BE CHECKED FOR ALL	Refer to Matrix
6	There also need to have a consistent approach e.g. guidance notes and ED body view room stated as 28-8, bereavement suite body view room stated as 25 -8.	The figure of 25-8 is now reflected within the matrix.	OK	Matrix now amended. See item 7 below.
7	Further discussion is required on the minimum temperate requirement for the Body View Room.	Awaiting confirmation on this one from the client, however discussion at the meeting on the 11/11/14 was that rather than take the room temperature down to 8°C which would require specialist cooling they would look at providing a cold blanket for the body and room temperatures would be retained as a normal room.	NHSL confirm following discussion with users that the use of a cooling blanket or cooling cot for the body is appropriate and therefore there is no requirement to have the room at 8 degrees and 25°C is acceptable	Matrix amended to minimum temperature of 18°C in place of 8°C.



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
1	Technical Submittal MER-XX-SL-TS-015 appears to contradict environmental note 13 by way of radiant panel controls.	Note 13 has been deleted from the matrix and Mercury's technical submittal takes precedent.	Now updated.	x	x	✓
2	1-B1-010 medical gas cylinder store, SHTM 02-01 states internal cylinders stores may require mechanical ventilation, please confirm no ventilation provided.	Extract ventilation has been provided. Matrix updated and drawings where appropriate.	Now updated.	✓	x	✓
3	IPS room max/min temperatures stated as "Manufacturer Dependant", this is not acceptable, temperatures to be stated. Room has 3ac/h mechanical extract therefore heating type should be Adjacent space transfer air and temperatures accordingly.	The manufactures maximum temperature guidelines are higher than 30°C. It does not appear reasonable to indicate heating to a cupboard. <small>PLEASE UPDATE THE MATRIX</small>	No action required	x	x	✓
4A	Isolation cubicles and bedrooms are not shown with any extract ventilation.	Refer to the design drawings for details. Generally, the extract is via the en-suite which is in line with SHPN 04. Where no ensuite is present, extract is via the room. <small>PLEASE DETAIL ROOM EXTRACT AND UPDATE MATRIX</small>	No action required	x	x	✓
4B	Gowning lobby, supply stated as "in line with SHPN 04" and extract stated as "To match total bedroom air volume", design development review required.	Actual figures will be noted and the note referring to the SHPN will be removed. <small>1-B1-015 TO BE AS 1-B1-016</small>	Now updated	x	x	✓
5	Technical Submittal MER-XX-SL-TS-015 shows room 1-B1-057 with a radiant panel which contradicts Environmental Matrix room 1-B1-057 warm air reheat battery.	The air is heated by a heater battery which is BMS controlled as per the matrix.	No action required	x	x	✓
6	Where ventilation rates 10l/s per person are stated, room occupancy to be detailed and ventilation rates calculated.	These particular areas have been designed based on occupancies; occupancy figures and ventilation rates have been added to these areas to provide clarity.	Now updated	x	x	✓
7	1-B1-063 Stated as supply air 4ac/h, extract via en-suite, this room does not have en-suite facilities.	Refer to the design drawings for details. Generally, the extract is via the en-suite which is in line with SHPN 04. Where no ensuite is present, extract is via the room. <small>PLEASE UPDATE MATRIX</small>	No action required	x	x	✓
8	1-B1-090 has an area of 8m ² which is not stated in the matrix. PCo to populate areas.	A review will be carried out and any blank GIFA rates will be noted - Updated schedule of accommodation required for this item.	Now updated	x	x	✓
9	3-C1.2-036 review ventilation type, only showing supply when 4ac/h supply and extract.	The matrix shows 4 air changes supply and extract. <small>PLEASE UPDATE VENTILATION TYPE</small>	No action required	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
10	Room 1-G3-003/005/007 bathroom temperatures stated as 28 / 20 with adjacent space transfer air from area with temperatures of 28 / 18.	These bathrooms have their own radiant panel.	Now updated	✗	✗	✓
11	Similarly isolation bedroom 3-C1.4-040, temperatures stated as 28 / 21 with adjacent space transfer air from area with temperatures of 28 / 18, ventilation described as "balanced".	The adjacent area; Lobby 3-C1.4-039 is heated via heater battery and will be at least 21°C. Matrix has been updated.	Now updated	✗	✗	✓
12	3-C1.7-003, 004, 005 supply and extract "to suit location" not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	✗	✗	✓
13	G-D2-006 supply and extract "to suit location", statement "to suit location" is not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	✗	✗	✓
14	Theatre ventilation stated as "in line with SHTM 03-01", correct, this is a BCR requirement. However dental surgeries are not mentioned in SHTM 03-01, I would suggest SHPN 36 part 2. The required ventilation to be designed and detailed.	In line with the SHTM 03-01 removed and air change rates added.	Now updated	✗	✗	✓
15	1-H2-021 is currently labelled a single bedroom but it is an isolation room, review ventilation.	This room function was RFI'd and has been designed as an isolation room (matrix has been updated).	Now updated	✗	✗	✓
16	1-P1-003 and 005 are bedrooms, not bathrooms.	Bathroom changed to bedroom.	Now updated	✗	✗	✓
17	Kitchen states DW172 dependant, actual design detail to be added.	Design details will be noted and "DW172" will be removed.	Now updated	✗	✗	✓
18	Complete Estates SOA areas.	A review will be carried out and any blank GIFA rates will be noted.	Now updated	✗	✗	✓
19	Room B-S3-002 and 005 stated in Environmental Matrix as Adjacent Space Transfer Air, however shown with radiant panel on drawing.	Matrix will be updated with radiant panel noted.	Now updated	✗	✗	✓



Wallace Whittle

NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
20	ADB code reference should be confirmed.	ADB code reference is an unnecessary column for the use of this matrix so the column will be deleted from the environmental matrix.	Now updated	x	x	✓
21	Last column not titled. What does it refer to?	This column to the IET grouping but this column has now been superseded by the categorisation document. Column will be deleted from the environmental matrix.	Now updated	x	x	✓
22	B-S3-002 & B-S4-001 can min temp be increased to 18?	Temperature will be altered to 18°C	Now updated	x	x	✓
23	Disposal hold – can min temp be reduced to 16.	Sensor could be set to 16°C rather than 18°C but the reduction to the maximum temperature from 28°C to 25°C is problematic though so if required, cooling will be need to be added - Confirmed at meeting that 28°C is to be retained.	Now updated	x	x	✓
24	During a recent PG it was made clear that due to the nature of the research being carried out in the Clinical Research Department in rooms H2-013, 014, 016 and 020 the temperature cannot at any time exceed 25°C.	Cooling has been provided in H2-014, H2-016 and H2-020. H2-013 requires cooling. Matrix has been updated to reflect this but drawing requires updating.	Environmental Matrix updated awaiting instruction to update drawing.	✓	x	✓
25	Further to the recent discussion regarding hepa filtration in the isolation rooms the matrix should have been updated to reflect this.	The matrix doesn't note HEPA filter requirements but all isolation rooms have the capability of HEPA filters being installed.	No action required	x	x	✓
26	G-F1 Bedrooms with 6ac/h where most bedrooms are taken as 4ac/h.	This is a CAHMS bedroom so 6 AC/H has been utilised, reference to natural ventilation will be removed.	Now updated	x	x	✓
27	B-S4-004, no supply air.	Supply air reference will be added.	Now updated	x	x	✓
28	G-S6-016, Cooling - Yes, Cooling Type – None.	Comfort cooled fresh air is now noted.	Now updated	x	x	✓
29	G-Q1-007, Cooling – No, Cooling Type - Comfort cooled fresh air.	Cooling note removed.	Now updated	x	x	✓

THIS IS BCRs / LG2 COMPLIANCE, NO
INSTRUCTION FROM THE BOARD REQUIRED



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
30	G-Q1-161, Heating type – Adjacent space transfer air, supply at 10 l/s/p positive pressure. Diagnostic rooms, "To suit location"	This room is part of corridor and shares heating and ventilation with corridor.	No action required	✗	✗	✓
31	G-A1-004, supply 4 ac/h extract 3 ac/h positive, different to other diagnostic rooms.	We have treated this room like an office.	No action required	✗	✗	✓
32	Confirm where natural ventilation, i.e. 1-B1-063/065/067.	Extent of ventilation clarified on schedule.	Now updated	✗	✗	✓
33	3-C1.3-018, supply 4 ac/h extract 3 ac/h positive , different to other offices.	Air change rates utilised are in line with cellular offices	No action required	✗	✗	✓
34	1-L1-005 Resus area 30m2 with extract at 3 ac/h.	This room has been updated on the matrix.	Now updated	✗	✗	✓
35	G-A1-028/029, Resus area with central general extract with supply at 10 ac/h extract at 6 ac/h.	Ventilation type for these rooms has been updated in line with design.	Now updated	✗	✗	✓
36	Consider absence detection to all offices, meeting rooms and node rooms.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	✗	✗	✓
37	1-D3-002 Circulation Equipment Storage Bays, all others are presence detection.	Automatic controls added.	To be updated	✗	✗	✓
38	Disposal hold, LG2 recommends 200 lux.	100 lux will be changed to 200 lux.	To be updated	✗	✗	✓
39	IPS rooms normal lux stated as n/a.	200 lux will be added to the matrix.	To be updated	✗	✗	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
40	G-F1-028, 030, 053, 045 and 1-L1-028 are described as offices but have local lux of 1000.	Local lux figures to be removed.	To be updated <small>PLEASE UPDATE THE MATRIX</small>	x	x	✓
41	Anaesthetic rooms, LG2 recommends local lux 1000 and Ra 80.	Ra 80 has been noted in the environmental matrix and 1000 lux is for local lighting but 500 lux is for general; all as noted in the environmental matrix.	No action required	x	x	✓
42	Theatre exit bays (transfers), LG2 recommends normal lux 300 local lux not required and Ra 80.	500 lux will be dropped to 300 lux, Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated awaiting instruction to update drawings.	✓	x	✓
43	Preparation rooms and scrub up, LG2 does not require local lux 10,000 – 100,000, or Ra 90.	Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated awaiting instruction to update drawings.	✓	x	✓
44	Theatre utility rooms, LG2 recommends local lux 100 – 150 and does not require local lux 10,000 – 100,000, or Ra 90.	500 lux will be dropped to 150 lux, RA 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated awaiting instruction to update drawings.	✓	x	✓
45	Recovery areas, LG2 does not require local lux 1000 but does recommend Ra90.	RA 80 will be increased to Ra 90 and local lux will be removed.	Environmental Matrix updated awaiting instruction to update drawings.	✓	x	✓
46	Nurse/touchdown bases not shown to have night lighting, confirm this achieved by dimming.	All night lighting is achieved by dimmable fittings.	No action required	x	x	✓
47	Resus trolley bay 1-D1-009 to be as other trolley bays, Ra 80 and presence detection.	1-D1-009 will be updated to reflect other trolley bays.	To be updated	x	x	✓
48	Review colour rendering, e.g. theatre suite, prep, anaesthetic, scrub utility, exit bay all Ra 80. Review consult/ examination rooms to have the higher colour rendering of Ra 90. All to be as CIBSE LG2.	RA 90 is currently shown in theatres, preparation rooms, scrub rooms, utility rooms and exit bay. Anaesthetic room will be changed to Ra90 from Ra80. We feel that the consultant room are general treatment rooms so should remain as Ra80; where Ra90 is required, it will be achieved via the examination luminaire.	Environmental Matrix updated awaiting instruction to update drawings.	✓	x	✓
49	No absence detection or daylight control detailed included from drawings.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a a general note, automatic detection has been used in all suitable areas.	No action required	x	x	✓

THIS IS BCRs / LG2 COMPLIANCE, NO INSTRUCTION FROM THE BOARD REQUIRED

RHSC & DCN
 Environmental Matrix Comments
 Second Batch



Wallace Whittle

NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
50	Medical location column states "See Guidance Notes" for every entry and not mentioned in those guidance notes.	This has been superseded by the risk profile document which sets out the medical grouping and classification. Column has been removed.	Now updated	x	x	✓

Environmental Matrix - Guidance Notes

- 1 This workbook is prepared for the Financial Close Stage as an easier reference tool to replace ADB RDS M&E Sheets for the Environmental Criteria elements as described on these sheets.
- 2 The services matrices are produced from the Schedule of Accommodation Sheets.
- 3 The design of the HVAC systems to the theatres shall be in accordance with SHTM 03-01.
- 4 Where radiant panels are indicated in any room in these matrices, detailed design development may remove the need for these without detriment to environmental temperature. This design development is dependant on actual room layout - i.e. whether a room is located adjacent to an external wall, ground bearing floor, roof surface or is internal.
- 5 Ventilation air change rates and the use of natural ventilation in Patient Areas shall be reviewed throughout the detail design process to ensure a maximum internal temperature of 25°C (dry bulb) is not exceeded during normal occupancy. This criteria shall also apply to cellular and open plan office spaces.
- 6 Maximum internal temperatures listed relate to normal occupancy and Summer Design Conditions; External Summer Conditions for Cooling Plant Selection as per SHTM2025, Enthalpy 54kJ/kgda, 26deg°Cdb, 19deg°C wb. External Winter Conditions as per CIBSE Guide A Table A 2.2 for locality = - 6°C for Heat Losses, and as SHTM 2025 for locality = -10°C for AHU Ventilation Plant design.
- 7 Examination lamp notes where listed are provisional. Detailed requirements (fixed, mobile, illumination) will be detailed on C sheets as agreed from signed off 1:50 RDS, which shall take precedence over this schedule.
- 8 All lighting levels are derived from CIBSE Lighting Guide LG2.
- 9 Colour rendering refers to CIBSE Lighting Design Guide and will be applied throughout.
"80" - Normal
"90" - Enhanced to provide close as possible match to natural light for clinical purposes
- 10 Thermostatic Mixing Devices - SHTM 04-01 Guidance shall be employed for specific TRV Type versus listed Area/Activity.
- 11 Standby Lighting to be Grade A throughout.
- 12 The internal temperature in naturally or mechanically ventilated rooms shall not exceed the maximum temperature as listed on these Environmental Matrices provided external summer design criteria is not exceeded.
- 13 **Note Deleted**
- 14 Local Control BMS Temperature Sensors for ducted reheat zones and chilled water cassettes for hotspots shall be provided with local range adjustment to +/- 2°C of BMS Set Point. BMS set point shall be adjustable via operator/user dialogue through formal FM.
- 15 **Typical bedroom** - Design Criteria - SHTM 03-01 Clause 2.11 - internal temperatures in patient areas should not exceed 28°C db for more than 50 hrs per year. Appendix 1 SHTM 03-01 gives 18°C to 28°C float range. NHSL however require that the maximum internal design temperature should not exceed 25°C for more than 50 hrs per year.
HUJ bed areas - Design Criteria - HBN 17 gives specific guidance as well as SHTM 03-01 - Appendix 1 for air change rates - 10ac/hr supply, 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the internal maximum and minimum range conditions).
The department will be comfort cooled and controlled on a zonal basis.
Central AHU to be provided with blank section for future provision of humidification.
- Post theatre recovery areas** - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 15ac/hr S&E, 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions).
Critical Care areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 10ac/hr Supply for isolation cubicles, 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions). NHSL may require specific rooms to have a control range up to 28°C.
Central AHU to be provided with blank section for future provision of humidification.
- 16 **Corridor** ventilation may be either mechanical or where the opportunity exists natural. To be determined during detailed design with due regard to clinical functionality.
- 17 **Single Room WC** - SHTM 03-01 Appendix 1 suggests 3ac/hr extract air change rate only. We have applied 10ac/hr extract rate to provide a more robust rate of extract.
- 18 **Diagnostic Rooms** - (X Ray, CT Scanner, MRI Scanners, Gamma Camera) - air change rates listed at 8ac/hr. Actual air change rate must be derived through room heat gain analysis and actual equipment guidance.
- 19 **Operating Theatre Laminar Flow/UCV Requirements** - Refer to Operational Policy Documents for specific theatres which require Laminar Flow/UCV canopy style ventilation solution.
Central AHU to be provided with blank section for future provision of humidification.
Operating Theatres 1 (P1 030 and 1 P1 044) shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C with a period of 2 hours. This manual control function shall be logged on the BMS and the temperature measurements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation.
- 20 **Small workshop Areas** - Local Extract Ventilation (LEV) unit requirement to be determined from room equipment schedules.
- 21 **Note that Isolation Suite ventilation solutions for this project shall follow HBN 4 Supplement 1 Section 4 Item 4.6 Guidance i.e.**
A common departmental AHU shall be employed to provide supply air ventilation (and shall therefore employ duty & standby units).
Isolation Rooms En Suite Extracts shall be provided with an independent Isolation Room total extract ventilation system.
Isolation Rooms En Suite Extracts shall be provided with either externally located 3 mtr high discharge stack in a safe location or with extract filters (H14) within a safe change housing outside the building on the suction side of the fan.
Heating & Cooling (H) Isolation Suites shall be provided via the ventilation system.
- 22 **Retail Provision** - Service provisions listed are infrastructure only for future fit-out by retailer. (Fire detection shall be provided to assist completion).
- 23 **Comfort Cooled Fresh Air** - Where noted as such on the matrix, these are provided via departmental air handling plant via chilled water cooling coils.
- 24 **Body View Room** - A cooling coil (or cooling coil) shall be used in this room.
- 25 Anti ligature rooms (1 / no. off) will be treated as sealed rooms with Supply at 6ac/hr and Extract to match to achieve a balanced pressure.
- 26 **Single Bedroom** - The design philosophy for ventilation is for a mixed mode operation where natural vent is encouraged which has benefits both physiological with users being partly in control, and from an energy stand point where mechanical vent loading is partly reduced (2/3rds). This strategy results in zero pressure differential regime within the room where supply and extract is balanced.
En suite dirty extract volume flow rate has been increased to achieve a balanced ventilation system.

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-A1-002	A1 Emergency Department	Disposal Hold	1	10.0	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m		
G-A1-003		Store - Medical Gas Cylinders	1	3.0	Storage Area Med Gas	28	16	Frost protection	Room Thermostat	No	None	Central General Extract	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m		
G-A1-004		Processing Room	1	10.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-A1-005		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Switch / Dimmer	Floor 6m	
G-A1-006		General X-Ray Room	1	33.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-A1-007		Dirty Utility	1	11.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-008		Washdown Room	1	16.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-009		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-010		Laboratory - Near Patient Testing / Status	1	8.0	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-A1-011		Linen Bay (1 Trolley)	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-012		Treatment Room 5: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-013		Treatment Room 10: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-014		Treatment Room 6: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-015		Treatment Room 11: Dual Access (Mental Health)	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-016		Staff & Communication Base	1	16.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-017		Store - Dispensing Drugs	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-018		Treatment Room 7: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-019		Treatment Room 12: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-020		Treatment Room 8: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-021		Treatment Room 13: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-022		Treatment Room 9: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-023		Supplies Base	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-025		Treatment Room 14: Dual Access	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-026		Main Entrance Draught Lobby	1	10.0	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-028		Resuscitation Room: 2 places	1	50.0	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and General Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-029		Resuscitation Room: 2 places	1	50.0	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and General Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-030		IPS Room	1	1.1	IPS Room	Manufacturer Dependent	Manufacturer Dependent	None	None	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 6m
G-A1-031		Body Viewing Room	1	10.0	Body View	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Negative	G4	43	n/a	300	n/a	None	A	80	Switch / Dimmer	Floor 6m	
G-A1-032		Sitting Room	1	16.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 6m	
G-A1-033		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-034		Store - Major Incident / Ambulance Equipment	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-035		Triage Room	1	16.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-A1-036		Reception 2 staff	1	16.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-037		Parking Bay: 6 wheelchairs	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-038		Main Entrance Draught Lobby	1	10.0	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-039		Parking Bay: 3 accident trolleys & 3 wheelchairs	1	12.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-040		Store - Equipment & Supplies	1	18.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-041		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-042		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-043		Female Staff Changing and Lockers: 30 places	1	16.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-044		Staff Shower: ambulant	1	2.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-045		Waiting Area inc Play Area	1	63.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 6m	
G-A1-046		Baby Infant / Feeding Room	1	4.0	baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	No	None	Central Supply Air	5	0	Positive	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-047		Nappy Change	1	4.0	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-048		Male Staff Changing Room and Lockers: 20 places	1	11.5	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-049		Staff Shower: ambulant	1	2.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-050		Consultant Office (6 person)	1	24.8	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-052		Ward Manager's Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-053		Interview/Meeting Room: 6 persons	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (each)	8 people at 10 l/s per person (each)	Negative	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-054		Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	switch	Floor 6m	
G-A1-055		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 6m	
G-A1-056		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 6m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-A1-057		Medical Staff / Audit / Secy Office (3 Person)	1	17.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-058		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-059		Store - Stock & Sterile Supplies	1	18.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-060		Treatment Room 3: Single Access	1	14.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-061		Treatment Room 4: Single Access	1	14.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-062		Treatment Room 2: Single Access	1	14.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-063		Parley - Staff / Patient	1	5.0	Parley	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
G-A1-064		Treatment Room: Single Access	1	14.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-065		Store - Plaster	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-066		Plaster Suite (2 bays)	1	24.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-A1-067		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-002		Paediatric Acute Departments - 1st - 5th	Single Bedroom 18 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-003			En-suite wheelchair accessible WC, Shower & wash	14	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-004			Single Bedroom 19 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-005			En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-006			Single Bedroom 16 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-007			En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-008	Reception Staff Base		1	6.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-009	Single Bedroom 20 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-010	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-011	Touchdown Base 4		4	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 100/s per person (11ach)	2 people at 100/s per person (11ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-012	Single Bedroom 17 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-013	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-014	Single Bedroom 21 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-015	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-016	Resuscitation Trolley Bay		1	1.0	Flexus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-017	Single Bedroom 18 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-018	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-019	Single Bedroom 22 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-020	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-021	Clean Utility		1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-A2-022	Dirty Utility		1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-023	WC - Staff		1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-024	WC - Visitors		1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-025	Linon Bay (1 Trolley)		1	1.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-026	Touchdown Base 3		1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 people at 100/s per person (11ach)	2 people at 100/s per person (11ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-027	Host Bay		1	3.0	Circulation/Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-028	4 Bed Room		1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
G-A2-029	En-suite wheelchair accessible WC, Shower & wash		1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-030	WC Accessible		1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-031	Single Bedroom 14 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-032	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-033	Single Bedroom 13 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-034	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-035	Single Bedroom 12 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-036	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-037	Single Bedroom 11 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-038	En-suite wheelchair accessible WC, Shower & wash		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-039	Treatment Room		1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A2-040	Dining / Play Room		1	30.0	Common room/staff room lounge	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
G-A2-041	Ward Kitchen		1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m	
G-A2-042	Single Bedroom 10 (RHSC)		1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-A2-043	A3 Receiving Unit - Beds	En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-044		Single Bedroom 9 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-045		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-046		4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
G-A2-047		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-048		En-suite wheelchair-accessible WC, Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		250	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-049		Touchdown Base 2	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (15 ach)	2 people at 10 l/s per person (15 ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-050		Single Bedroom 8 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-051		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-052		Single Bedroom 7 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-053		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		250	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-054		4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
G-A2-055		En-suite wheelchair-accessible WC, Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-056		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-055		Single Bedroom 6 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-059		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-060		Single Bedroom 6 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-061		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-062		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-063		Linens Bay (1 Trolley)	1	1.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-064		Store - Equipment	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-065		Single Bedroom 4 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-066		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-067		Single Bedroom 3 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-068		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-069		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (each)	2 people at 10 l/s per person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-070		Single Bedroom 2 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-071		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-072		Single Bedroom 1 (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	10	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-073		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	42	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-074		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	46	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-075 A&B		Store - General	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-076		Patients' Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-077		Multi-Disciplinary Office	1	26.0	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-078		Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-079		On-Call Consultant Office (2 Person)	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-080		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-081		Clinical Coordination Office (2 Person)	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-082		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Switch / Dimmer	Floor 0m	
G-A2-083		Patient Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (each)	6 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-084		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A3-001		A3 PARU / Emergency / Radiology Shared Support	Staff Room	1	80.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-A3-002			Seminar & Training Room	1	32.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	22 people at 10 l/s per person (each)	22 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A3-003			Meeting / Case Conference Room	1	32.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	25 people at 10 l/s per person (10achs)	25 people at 10 l/s per person (10achs)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-002			Retrievial Equipment Store	1	14.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-003			Staff Room	1	32.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
1-B1-004			Senior Nursing Office	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-005			WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-006	WC - Staff		1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-007	Equipment Service Room		1	24.0	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-B1-008	IPS Room		1	3.0	IPS Room	Manufacturer Dependant	Manufacturer Dependant	None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-009	Open Plan Bay (4 beds)		1	104.0	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Dty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-B1-010	B1 PICU and HDU's - 24 Beds	Gas Cylinder Store	1	2.0	Storage Area Med Gas	28	16	Frost protection	Room Thermostat	No	None	Central General Extract	0	7	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-011		Multidisciplinary Work Area PICU	1	15.0	Multi Disciplinary Work Areas	28	19	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-012		Staff Base	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-014		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-015		Gowning Lobby	1	6.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	54	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-016		Single Bed Isolation Cubicle	1	26.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-017		Single Bed Isolation Cubicle	1	26.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-018		Gowning Lobby	1	6.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	55	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-019		Single Bed Cubicle	1	26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural & Central Supply Air	4	0	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-020		Single Bed Cubicle	1	26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-021		Single Bed Cubicle	1	26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-023		Staff Base	1	4.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-024		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-025		Gowning Lobby	1	6.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	62	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-026		Single Bed Isolation Cubicle	1	26.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-027		Clean Utility	1	18.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-B1-028		Bed/Patient Chair / Buggy Storage	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-029		Dirty Utility	1	18.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-030		Linen Bay (1 Trolley)	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-031		Open Plan Bay (4 beds)	1	104.0	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	0	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
1-B1-032		Patients Assisted Bathroom	1	8.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-033		Gowning Lobby	1	6.0	isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	45	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-034		Linen Bay (1 Trolley)	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-035		Hoist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-036		Single Bed Isolation Cubicle	1	26.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-037		Single Bed Cubicle	1	26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-038		Staff Base	1	4.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-039		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-041		Clean Utility	1	8.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-B1-042		Multidisciplinary Work Area HDU	1	15.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-043		Laboratory	1	10.0	Laboratory	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	8	6	Balanced	F7	43	60		400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-044		IPS Room	1	2.0	IPS Room	28	16	Manufacturer Dependant	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-045		Quiet / Interview Room	1	9.0	Meeting Room	25	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-046		Store - Equipment	1	40.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-047		Family Interview Room	1	12.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-048		On call consultant	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-049		Rehearsal Team	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-050		Bulk Supplies Store	1	55.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-051		Data Manager & Secretarial Office (3 person)	1	22.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-055		Waiting Area (Visitors)	1	18.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
1-B1-056		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-057		X-Ray Processing	1	8.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
1-B1-058		Mobile X-Ray / Ultrasound Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-059		Cardiac Echo ECG Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-060		Seminar Room	1	34.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	18 people at 10 l/s per person (7ach)	19 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-061		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-062		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-063		Open Plan Bay (4 beds)	1	80.0	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	via ensuite	G4	43	41		100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
1-B1-064		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-065		Open Plan Bay (3 cots)	1	45.0	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	via ensuite	G4	43	41		100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
1-B1-066		Clean Utility (Nec-Natal)	1	8.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-B1-067		Gas Cylinder Store	1	2.0	Storage Area Med Gas	28	16	Frost protection	Room Thermostat	No	None	General Central Extract	0	8	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Noise	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-B1-068		Baby Infant / Feeding Room	1	5.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	5	0	Positive	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-069		Staff Base	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-B1-071		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-072		Play Specialist Base & Store	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-073		Pantry / Milk Store	1	10.0	Pantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-B1-074		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-075		Single Cot Cubicle	1	26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-B1-077		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-078		Relative Overnight Stay Room	1	10.0	Relatives Overnight Stay	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	G4	43	41	100	n/a	None	A	80	Switch	Bed / Trolley 1.45m	
1-B1-079		En-suite wheelchair-accessible WC, Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-080		WC - Relatives	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-082		Relative Overnight Stay Room	1	10.0	Relatives Overnight Stay	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	G4	43	41	100	n/a	None	A	80	Switch	Bed / Trolley 1.45m	
1-B1-083		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-084		Relatives Sitting Room	1	18.5	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-B1-090		Equipment Cleaning	1	7.8	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-002		IPS Room	1	1.8	IPS Room	Manufacturer Dependant	Manufacturer Dependant	None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-003		Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-1-004		Single Isolation Bedroom (RHSC)	1	19.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-1-005		En-suite trolley shower	1	8.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	20	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-006		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-007		Hold Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-008		Sitting Room / Lounge	1	16.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-1-009		Single Bedroom (RHSC)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-1-010		En-suite trolley shower	1	8.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-011		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 100/sq person (each)	1 person at 100/sq person (each)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-1-012		Resuscitation Trolley Bay	1	1.0	Resus Trolley Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-013		Single Bedroom (RHSC)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-1-014		En-suite trolley shower	1	8.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-015		Single Bedroom (RHSC)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-1-016		En-suite trolley shower	1	8.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-017		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-018		4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1-1-019		En-suite wheelchair-accessible WC, Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-020		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-021		Dining / Play Room	1	20.0	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8 people at 10 l/s per person (each)	8 people at 10 l/s per person (each)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-1-022		Store - Equipment	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-023		Ward kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m	
3-C1-1-024		Linen Bay (1 Trolley)	1	3.0	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-025		Store - General	1	18.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-026		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-027		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-028		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-029		Mobile X-Ray/Ultrasound Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-030		Multi-disciplinary Office	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-1-031		Reception / Staff Base	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-1-032		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-033		Single Isolation Bedroom	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	To match total bedroom air volume	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-1-034		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	38	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-035		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	38	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-036		Single Isolation Bedroom	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-1-037		En-suite wheelchair-accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	41	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-1-038		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 100/sq person (each)	1 person at 100/sq person (each)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	

Room No.	Department	Room Name	Dty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Mix filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-1-039		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	50	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-040		Single Isolation Bedroom	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-041		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	41	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-042		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-1-043		Treatment Room	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-1-044		Dirty Utility	1	14.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-045		Treatment Room	1	2.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-1-046		4 Bed Room	1	59.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
3-C1-1-047		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-048		En-suite wheelchair-accessible WC Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-049		Patients' Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-050		Patient Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	via ensuite	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-051		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1 person at 10l/s per person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-052		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-053		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-054		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-055		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-056		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-057		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-058		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-059		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-060		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-061		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-062		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1 person at 10l/s per person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-063		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-064		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-065		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-066		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-067		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-068		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-070		WC - Visitors	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-002		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-003		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-004		Linen Bay (1 Trolley)	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-005		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-006		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-007		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-008		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-009		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1 person at 10l/s per person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-2-010		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-011		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-012		Dirty Utility	1	14.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-013		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-014		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-015		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-016		Hoist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-017		Patients' Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-018		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-019		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-020		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-021		En-suite wheelchair-accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-022		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1												

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (act/hr)	Extract (act/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans	
3-C1.2-023	C1.2	Surgical Long Stay Inpatients - 15 Beds	4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1.2-024		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-025		Wetroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-026		4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m		
3-C1.2-027		WC Accessible	2	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-028		Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1.2-029		Resuscitation Trolley Bay	1	1.0	Reus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-030		Store - Equipment	1	16.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-031		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1.2-032		Treatment Room	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m		
3-C1.2-033		Dining / Play Room	1	13.0	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (each)	5 people at 10 l/s per person (each)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m		
3-C1.2-034		Ward kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m		
3-C1.2-035		Patient Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (each)	5 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1.2-036		Reception / Staff Base	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1.2-037		Discharge Lounge	1	20.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m		
3-C1.2-038		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-039		Store - General	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-040		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-041		WC - Visitors	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.2-042		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1 person at 10l/s per person (each)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1.2-043		Multi-Disciplinary Office	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1.2-044		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.3-002		C1.3	Neuroscience Inpatients - 12 Beds	Waiting Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
3-C1.3-003				Reception / Staff Base	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1.3-004	WC Accessible			1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-005	Store - Equipment			1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-006	Touchdown Base			1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1 person at 10l/s per person (each)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1.3-007	Isolation Bedroom Entrance Lobby			1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	64	0	Positive	F7	43	n/a	200/300	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.3-008	Single Isolation Bedroom (RHSC)			1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.3-009	En-suite wheelchair-accessible WC, Shower & wash facilities			1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	43	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-010	En-suite			1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-011	4 Bed Room			1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1.3-012	Wetroom			1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-013	4 Bed Room			1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1.3-014	En-suite			1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-015	Resuscitation Trolley Bay			1	1.0	Reus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	No	None	Central General Extract	0	3	negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-016	Linen Bay			1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-017	Store - General			1	16.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-018	Multi-Disciplinary Office			1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1.3-019	Patient Interview Room			1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1.3-020	Ward Management Office			1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1.3-021	WC - Staff			1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-022	WC - Staff			1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-023	WC - Visitors			1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.3-024	Snoreasion Room			1	12.0	Consulting Rooms	25	18	Radiant Panels	Remote Sensor Adj.	No	No	None	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-C1.3-025	Rehabilitation Room			1	30.0	Consulting Rooms	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
3-C1.3-026	Heist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1.3-027	Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	No	None	Central Supply and Extract	1 person at 10l/s per person (each)	1 person at 10l/s per person (each)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C1.3-028	Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m			
3-C1.3-029	En-suite wheelchair-accessible WC, Shower & wash facilities	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1.3-030	Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m			
3-C1.3-031	En-suite wheelchair-accessible WC, Shower & wash facilities	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/r)	Extract (ach/r)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-3-032		Single Bedroom (RHSC)	1	17.0	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-3-033		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-034		Ward Kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m
3-C1-3-035		Patients' Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-036		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-037		Treatment Room	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Dirty Extract	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-3-038		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-3-039		Dining / Play Room	1	16.0	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6 people at 10 l/s per person (each)	6 people at 10 l/s per person (each)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
3-C1-3-040		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-041		Disposal Hold	1	10.0	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-002		Quiet Study Room	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-004		Disposal Hold	1	10.0	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-005		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-006		Store - General	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-007		Patent Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-008		Complementary Therapy Room	1	10.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-C1-4-009		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-010		Single Bedroom (RHSC)	1	17.0	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-011		Patients' Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-012		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-013		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-014		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-015		Kitchen Lounge/Social Space	1	25.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
3-C1-4-016		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-017		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-018		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-019		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-021		Hoist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-022		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-023		Pharmacy Base	1	9.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-C1-4-024		Multi-Disciplinary Office	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-025		Medical Staff Office	1	20.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-026		Consultant Office (5 person)	1	24.8	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-027		Store - Equipment	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-028		Research Staff Office	1	19.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-029		Nursing Staff Office	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-030		Ward Management Office	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-032		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-033		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-034		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-035		Linens Bay (1 Trolley)	1	3.0	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-036		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-037		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-038		Treatment / Clean Utility	1	18.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-4-039		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	21	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-040		Single Isolation Bedroom (RHSC)	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	via ensuite	Balanced	F7	43	n/a		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-041		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	44	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-042		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	43	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-043		Single Isolation Bedroom (RHSC)	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-044		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	64	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-045		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-046		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh															

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
3-C1.4-047		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-048		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	63	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-049		Single Isolation Bedroom (RHSC)	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.4-050		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	42	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-051		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	41	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-052		Single Isolation Bedroom (RHSC)	1	17.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.4-053		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-054		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-055		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.4-056		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-057		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.4-058		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-059		Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.4-060		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-061		Multi Bed Room: day care, 4 beds & 2 chairs	1	72.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	Switch / dimmer	Bed / Trolley 1.45m	
3-C1.4-062		En-Suite Multi Bedroom	1	4.5	Bedroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-063		Play Room	1	25.0	Common room/staff room/lobby	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
3-C1.4-064		Ward Kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m	
3-C1.4-065		Treatment Room	1	12.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	50	Switch	Bed / Trolley 1.45m	
3-C1.4-066		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-C1.4-067		WC - Visitors	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.4-068		Waiting Area	1	12.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m	
3-C1.4-069		Reception / Staff Base	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1.5-002		C1.5	Store - back up clothing	1	4.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1.5-003			Family Sitting Room	1	27.0	Common room/staff room/lobby	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
3-C1.5-004	Baby Infant / Feeding Room		1	4.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply Air	5	0	Positive	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.5-005	Nappy Change		1	4.0	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.5-006	Breast Pump Room		1	4.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply Air	5	0	Positive	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.5-007	WC-Wheelchair Accessible		1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.5-008	WC-Wheelchair Accessible		1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.6-001	C1.6	Dining / Recreation Room	1	26.0	Common room/staff room/lobby	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
3-C1.6-002		Quiet Room / Study	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1.7-002	C1.7	EEG Review Room	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1.7-003		EEG Recording Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
3-C1.7-004		EEG Recording Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
3-C1.7-005		Evoked Potential Recording Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
3-C1.8-002		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.8-003		Dirty Utility	1	14.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.8-005		Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1.8-006		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.8-007		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.8-008		WC - Visitors	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1.8-009	Dining / Play Room	1	15.0	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (4ach)	5 people at 10 l/s per person (4ach)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m		
3-C1.8-010	Ward Kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m		
3-C1.8-011	Reception Desk/Staff Base	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1.8-012	DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1.8-013	Store - General	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1.8-014	Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m		
3-C1.8-015	Treatment Room	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
3-C1.8-016	4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	Switch / dimmer	Bed / Trolley 1.45m		
3-C1.8-017	En-suite Shower / WC / WHB	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1.8-018	WC Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m		

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans		
3-C1-B-019	C1-B	Surgical Short Stay Inpatients - 14 Beds	Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10/lb per person (7ach)	1 person at 10/lb per person (7ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C1-B-020			Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-021			Single Bedroom (RHSC)	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C1-B-022			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-023			Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C1-B-024			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-025			Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C1-B-026			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-027			4 Bed Room	1	58.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C1-B-028			WC Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-029			En-suite Shower / WC / WHB	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-030			Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C1-B-031			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-032			Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C1-B-033			En-suite wheelchair accessible WC Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-034			Linen Bay (1 Trolley)	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-035			Patient's Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-036			Store - Equipment	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-B-037			Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-B-040			Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10/lb per person (7ach)	1 person at 10/lb per person (7ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C2-002			C2	Wards Support Areas	Grab & Go	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C2-003					DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C2-004					Seminar Room	1	25.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	18 people at 10 l/s per person (8ach)	18 people at 10 l/s per person (8ach)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C2-005					Staff Room	1	48.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C3-002					C3	Special Feeds Unit	Food Prep Area	1	24.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette Chilled Water	Central General Extract	0	6	Negative	G4	n/a	50	500	n/a	None	A	80
3-C3-003			Office Area	1			5.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C3-004			Office Ante Room	1			8.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C3-005			Store - Feeds	1			8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-002			C4	Sleep Lab			Store	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80
3-C4-003					En-suite wheelchair accessible WC Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-004					Sleep Room	1	15.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C4-006					Parents Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C4-007					Control Room	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C4-008	Sleep Room	1			15.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C4-009	Parents Room	1			10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
3-C4-010	En-suite wheelchair accessible WC Shower & wash	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m				
4-C5-002	C5	Classrooms	WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-C5-003			Store	1	2.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-C5-004			Primary Classroom	1	18.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	7 people at 10 l/s per person (8ach)	7 people at 10 l/s per person (8ach)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
4-C5-005			Upper Primary Classroom	1	18.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	7 people at 10 l/s per person (8ach)	7 people at 10 l/s per person (8ach)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
4-C5-006			Secondary Classroom	1	18.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	11 people at 10 l/s per person (8ach)	11 people at 10 l/s per person (8ach)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
4-C5-007			Administration Area	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
4-C5-008			Resource Storage	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-C5-009			WC Ambient	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-001	D1	D1	DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-002			Consult/Examination	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
1-D1-003			Treatment Room (with prep area)	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m		
1-D1-004			Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-005			Consult/Examination	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
1-D1-006			Treatment Room (with prep area)	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m		
1-D1-008			Resuscitation Trolley Bay	1	1.0	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Bed / Trolley 1.45m		
1-D1-010			Duty Utility	1	11.0	Duty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans
I-D1-011	D1 RHSC Main Outpatients Department	WC wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-012		Shower Room	1	5.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-013		Clean Utility	1	8.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
I-D1-014		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-015		Play Therapy (inc messy play) Room	1	18.0	Common room/stat room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
I-D1-016		Consult/Multi-Disciplinary	1	24.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-017		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-018		Consult/Examination (Ophthalmology)	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-019		Consult/Examination (ENT)	1	17.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-020		Consult/Examination (Cleft)	1	18.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-021		Consult/Examination (Cleft)	1	18.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-022		Consult/Examination (ENT)	1	17.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-023		Consult/Examination (ENT)	1	17.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-025		Physical Measurement	1	3.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-026		Infant Measuring Room	1	6.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-027		Sub Waiting Area (inc supervised play) with Nurse Base	1	46	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
I-D1-028		Sub Waiting Area	1	3.5	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
I-D1-029		Baby Infant / Feeding Room	1	4.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply Air	5	0	Positive	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-030		Nappy Change	1	4.0	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-031		Equipment / General Store	1	9.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-032		WC wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-033		Phlebotomy Room	1	8.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-034		Mobile Host Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-035		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D1-036		Physical Measurement	1	3.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D1-037		Reception	1	3.0	Reception	28	18	Underfloor Heating	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-D1-038		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-001		Nappy Change	1	4.0	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-002		Baby Infant / Feeding Room	1	4.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply Air	5	0	Positive	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-003		WC wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	90	Automatic Controls	Floor 0m
G-D1-004		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-005		Store Room	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-006		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-007		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-008		Plaster Suite (3 bays)	1	40.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D1-009		Store, Plaster	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D1-010		Orthotics Workshop	1	16.0	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-D1-011		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D1-012		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D1-013		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D1-014		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D1-015		Physical Measurement	1	3.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D1-016	Consult/Examination (Child Protection)	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-019	Equipment / General Store	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-020	Phlebotomy Room	1	8.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-021	Child Protection Room	1	24.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-022	Mobile Host Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-023	Dirty Utility	1	11.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-024	Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-025	Physical Measurement	1	3.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-026	Specimen/ Disabled WC	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-D1-027	D1	Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-028		Infant Measuring Room	1	6.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-029		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-030		Linon Bay (1 Trolley)	1	1.5	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D1-031		Clean Utility	1	8.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-D1-032		Consult/Examination	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-033		Treatment Room (with prep area)	1	16.0	Treatment Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-D1-034		Consult/Examination	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-035		Consult/Examination	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-036		Consult/Examination	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-037		Meeting Room	1	15.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (each)	10 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-D1-038		Consult/Examination	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-039		Consult/Examination	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-040		Consult/Multi-Disciplinary	1	24.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D1-041		Outpatients Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-D1-042		Shower Room	1	5.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D2-001		D2	Waiting Area	1	9.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-D2-003			Admin Office	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-D2-004			WC Staff	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D2-005			Exercise Room/Lung Function Laboratory	1	22.0	Treatment Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-D2-006			Echocardiography Room	1	20.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable	Yes	Comfort Cooled	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-D2-007			DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-D2-008			Stores/Equipment	1	9.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-D2-009			ECG Procedure Room	1	12.0	Consulting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-D2-010	Admin Office		1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-D2-012	Domestic Sleep Studies		1	12.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D2-013	Lung Function Laboratory		1	28.0	Treatment Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-D2-014	Exercise Tolerance Test Room		1	20.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-D2-015	Physical Measurement		1	3.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D3-001	D3		Staff Office	1	16.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-D3-002			Parking Bay, pushchairs	1	2.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D3-003		WC & handwash, specimen, wheelchair	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-D3-004		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
I-D3-005		Examination Room: Fields test	1	12.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D3-006		C/E Orthoptic (6 metre room)	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D3-007		C/E Orthoptic (6 metre room)	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D3-008		C/E Orthoptic (6 metre room)	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D3-009		C/E Orthoptic (6 metre room)	1	15.5	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D4-001	D4	Waiting Area	1	13.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
I-D4-002		ABR Room	1	16.0	Treatment Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-D4-003		Test Room	1	16.0	Treatment Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-D4-004		Shared Staff Office	1	32.8	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-D4-005		Testing/Clinic Rooms	1	21.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	9	Negative	G4	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
I-D4-006		Obs Control	1	8.0	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
I-D4-007		Testing/Clinic Rooms	1	21.0	Consulting Room	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	9	Negative	G4	43	n/a	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
I-D4-008		Obs Control	1	8.0	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
I-D4-009		Waiting Area	1	3.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
I-D4-010		Work Room	1	12.0	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
I-D4-012		Store	1	15.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-D4-013	Mould Room	1	9.0	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
G-D5-002	G-D5	Laboratory	1	10.0	Laboratory	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-D5-003		Clean Utility / Dental Store	1	23.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-05-004	D6 Paediatric Dentistry	Surgery (multi-disciplinary)	1	20.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
G-05-006		Dirty Utility	1	11.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-05-006		Mobile Inter-oral Storage	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-05-007		Recovery	1	10.0	Recovery Suite / Recovery Suite	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
G-05-008		Surgeries (standard)	1	18.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
G-05-009		Surgeries (standard)	1	18.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
G-05-010		Surgeries (standard)	1	18.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-06-001		Dictation/ 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-06-002		Staff Office - All specialists (39 person)	1	159.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-06-003		Meeting Room - 6 person	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (6ach)	6 people at 10 l/s per person (6ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-06-004	Dictation/ 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-005	Meeting Room - 4 person	1	8.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (10ach)	4 people at 10 l/s per person (10ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-006	WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-007	WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-009	Dictation/ 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-010	Dictation/ 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-011	Store - TIP	1	4.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-012	Store - Diabetic	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-014	Store - Physio	1	32.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-015	Store - Physio	1	13.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-016	management office	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-017	A&C Staff Office/Appliance Officer	1	36.9	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-018	DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-019	Equipment Decontamination	1	10.0	Equipment Decontamination	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	7	10	Negative	G4	43	41		200	n/a	None	A	80	Automatic Controls	General working plane 1m	
I-06-020	Diabetic Clinic Room	1	12.0	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
I-06-021	Diabetic Clinic Room	1	12.0	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
I-06-022	Waiting Play Area	1	33.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m	
I-06-023	Reception	1	6.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
I-06-024	WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-025	Infant Measuring Room	1	6.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	n/a		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-06-026	Linen Bay	1	1.5	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-027	Standard Treatment Room	1	15.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-028	Standard Treatment Room	1	15.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-029	Standard Treatment Room	1	15.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-030	Standard Distraction Free Treatment Room	1	15.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-06-031	Store - Diabetic	1	2.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-032	Large Distraction Free Treatment Room	1	20.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-06-035	Standard Distraction Free Treatment Room	1	15.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-06-036	Treatment Room (OT equip)	1	20.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-037	Store - Physio	1	8.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-038	Store - OT	1	4.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-039	Rehabilitation Room	1	30.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-040	Spitting / Casting Room	1	18.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-06-041	Store - OT	1	16.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-042	Plantry	1	8.0	Plantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
I-06-043	Store - Physio	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-044	WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-045	Store - SALT	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-046	Rehabilitation Room	1	30.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-047	Store - OT	1	2.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-06-048	Rehabilitation Room	1	30.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
I-06-049	Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
I-D6-050	D7	Store - Physio	1	3.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D6-052		Store - Physio	1	4.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D6-053		Rehabilitation Room	1	30.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
I-D6-054		Rehabilitation Room (inc CV equip)	1	39.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
I-D6-057		WC - assisted (large-changing)	1	12.3	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D6-060		Resus Bay	1	1.0	Resuscitation Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D6-061		Host Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D7-001		Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D7-002		Dressings / Doppler Stone	1	4.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
I-D7-003		Dressings Room (Burns)	1	18.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-D7-004	Shuco	1	6.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-D7-005	Single Telephone Booth	1	4.0	Circulation Area	28	18	Radiant Panels	Remote Sensor Adj.	No	None	to suit location	4	3	Balanced	G4	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
I-D7-006	Dressings Room (Burns)	1	16.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
I-D7-007	Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D8-001	D8	Open Plan Area	1	45.1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Floor 0m
G-D8-002		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-D9-002	D9	Waiting Area	1	12.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
3-D9-003		Reception 1 staff	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-D9-004		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-D9-005		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-D9-006		Interview, Consulting & Quiet Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 us per person (each)	4 people at 10 us per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-D9-007		Office and Storage 2 staff	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-D9-008		Resuscitation Trolley Bay	1	1.0	Resus Trolley Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-D9-009		Physical Measurement	1	3.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-D9-010		Waiting Play Area	1	20.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
3-D9-011		Consult/Examination	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-D9-012	Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-D9-013	Treatment Room	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
3-D9-014	Parity	1	6.0	Parity	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
3-D9-015	Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-D9-016	Patient Treatment Lounge	1	32.4	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
3-D9-017	Dirty Utility	1	11.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-018	Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10/100 per person (each)	1 person at 10/100 per person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-D9-019	Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	va ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-D9-020	En-suite WC / WHB	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-021	Parking Bay 1 patient trolley/whc	1	5.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-022	Multi Bed Room: day care, 3 beds	1	40.5	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	va ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-D9-023	En-suite wheelchair accessible WC, Shower & wash Multi	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-024	Single Bedroom	1	17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	va ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-D9-025	En-suite WC / WHB	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-026	Linen Bay	1	1.5	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-027	Store - General	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-028	WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-030	DSR	1	7.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-D10-001	D10	Staff Room	1	45.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-E1-001		Multi-Functional Activity Zone	1	297.0	Patient Accommodation Day	25	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	41		100	n/a	None	A	80	Switch	Bed / Trolley 1.45m
G-E1-002		RHSC OPD Reception	1	10.0	Reception	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-E1-003		RHSC OPD Suite A Sub Waiting	1	54.0	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-E1-004		Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-E1-005	E1	Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-E1-006		WC Fully Accessible changing room	4	7.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-E1-007		Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-E1-008		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-E1-009		WC - Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-E1-010		Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-E1-011		RHSC OPD Main Waiting	1	15.0	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Fresh Air	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-F1-002		Consultant Psychiatrist / Psychologist Office	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-003		Storage (testing)	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-004		Ward Manager Office	1	16.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-005		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-006		Reception	1	6.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-007		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-008		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-009		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-010		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-011		Waiting Area	1	3.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-F1-013		Storage / Photocopy	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-014		Secretary/Flng Office	1	18	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-016		Multi-Disciplinary Office	1	28.7	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-017		Shower / WC / WHB assisted	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-018		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-019		Play Room	1	24.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-020		Group Room	1	24.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	13 people at 10 l/s per person (each)	13 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-021		Control / Viewing	1	10.0	Diagnostic room	25	16	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (each)	5 people at 10 l/s per person (each)	Balanced	F7	43	41		300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-F1-022		Time Out Room	1	6.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-023		Family Interview Room	1	12.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (10each)	8 people at 10 l/s per person (10each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-024		Large Group Room	1	30.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	130 people at 10 l/s per person (each)	130 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-026		Large Family Interview Room	1	14.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (each)	8 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-027		Sitting Room	1	15.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-028		Multi-Disciplinary Office	1	24.6	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-030		Multi-Disciplinary Office	1	28.7	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-031		Sitting Room	1	15.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-032		Group Room	1	24.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-F1-033		Art Room	1	24.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	15 people at 10 l/s per person (each)	15 people at 10 l/s per person (each)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-F1-034		Therapy / Play Therapy Room	1	15.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-036		Dining Room (Inpatients & Day Prog)	1	62.0	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-037		Therapeutic Kitchen	1	22.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m
G-F1-038		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-039		Ward kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m
G-F1-040		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-041		Waiting Area	1	15.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-F1-042		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-043		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-044		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-045		Multi-disciplinary Office - ITS	1	24.6	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-047		Recreation Room	1	45.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-F1-048		Group Room	1	24.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-049	F1	Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-050		Physical Measurement	1	3.8	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1600	A	80	Switch	Bed / Trolley 1.45m
G-F1-051		Treatment Room	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-F1-052		Drug Room	1	6.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-F1-053		Multi-Disciplinary Office	1	23.7	Multi Disciplinary Work Areas	28	18																			

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	High lux	Local lux	Standby grade	Colour render	Control	Plane	
G-F1-054	G1	Laundry Room	1	8.0	Laundry	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	10	Negative	G4	43	60		300	n/a	None	A	80	Switch	Floor 0m	
G-F1-056		Open Space	1	31.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m	
G-F1-057		Pantry	1	8.0	Pantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
G-F1-058		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-059		Dirty Utility	1	6.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-061		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-062		Clinical Base - Open Plan Area	1	10.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-063		Therapy Room	1	15.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-F1-065		Quiet Zone	1	23.0	Common room/Staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-067		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-068		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-069		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-070		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-071		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-072		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-073		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-074		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-075		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-076		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-077		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-078		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-079		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-080		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-081		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-082		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-083		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-084		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-085		Single Bed Room	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-086		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-087		Single Bed Room (large)	1	11.5	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-088		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-089		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-090		Single Bed Room (large)	1	11.5	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-F1-091		En-suite wheelchair accessible WC, Shower & wash	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-092		Quiet Room	1	12	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-096		Store	1	3.8	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-099		Store	1	2.2	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-002		G2	DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
2-G2-003			Clean Equipment	1	50.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-G2-004			Dirty Equipment	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-G2-005			Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-G3-002			On-Call Bedroom	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	4	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-G3-003		En-suite Shower / WC / WHB	1	4.5	Bathroom	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-004		On-Call Bedroom	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	4	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-G3-005		En-suite Shower / WC / WHB	1	4.5	Bathroom	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-006		On-Call Bedroom	1	10.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	4	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-G3-007		En-suite Shower / WC / WHB	1	4.5	Bathroom	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-008		Mini Kitchen	1	3.6	Eating/Denking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	5	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
1-G3-009		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-002		G3	Conference / Meeting Room	1	25.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	15 people at 10 l/s per person (6ach)	15 people at 10 l/s per person (6ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-003			Seminar / Tutorial Room	1	40.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	36 people at 10 l/s per person (12ach)	36 people at 10 l/s per person (12ach)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-004			Seminar / Tutorial Room	1	40.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	32 people at 10 l/s per person (10ach)	32 people at 10 l/s per person (10ach)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (act/hr)	Extract (act/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
4-H1-005	H1 Child Life & Health	WC - Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-006		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-007		Waiting Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
4-H1-008		Lockers	1	12.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Positive to wc	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-009		WC - Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-010		WC - Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-011		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-012		16 Person Office	1	8.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-013		Admin Office	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-014		Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	switch	Floor 0m	
4-H1-015		Stationery / Photocopying	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-016		Tissue Culture Room	1	9.0	Laboratory	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-017		Meeting Room - 4 person	1	6.0	Meeting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-018		Molecular Biology Laboratory	1	45.0	Laboratory	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-019		WC - Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-020		WC - Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-021		Student Records Store	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-022		Laboratory / Finance Manager's Office	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-024		Senior Academic Staff	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-025		Senior Academic Staff	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-026		Freezer Store	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-027		Physiological Laboratory	1	45.0	Laboratory	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-028		Senior Academic Staff	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-029		Head of Department	1	16	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-030		Senior Academic Staff	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-031		Senior Academic Staff	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-032		Senior Academic Staff	1	11	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-033		WC - Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-035		Stationery / Photocopying	1	5.6	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-036		Gas Store	1	2.3	Storage Area Med Gas	28	16	Frost protection	Room Thermostat	No	None	Central General Extract	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-001		H2 Clinical Research Facility	Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-H2-002			Waiting Play Area	1	9.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-H2-004	Reception		1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-H2-005	WC Accessible Patients		1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-006	DSR		1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-007	Office - 4 person		1	20	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-008	Linen Bay		1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-H2-009	Consult / Assessment		1	12.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-H2-010	Consult/Examination		1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-H2-011	WC Staff		1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-012	Pantry		1	6.0	Pantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-013	Store - Equipment		1	24.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	Ceiling Cassette - Chilled Water	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-014	Clinical Study Room		1	83.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-H2-015	En-suite Shower / WC / WHB		1	6.0	Bedroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-016	Sample Processing		1	15.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Automatic Controls	General working plane 1m	
1-H2-017	Dirty Utility		1	6.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-018	En-suite Shower / WC / WHB		1	4.5	Bedroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	39	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-020	Clean Utility		1	8.0	Clean Utility	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-H2-021	Isolation Bedroom		1	15.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	10	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-H2-022	En-suite Shower / WC / WHB		1	4.5	Bedroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-023	Isolation Bedroom Entrance Lobby		1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	36	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-024	Single Bed Room		1	15.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch Dimmer	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/h)	Extract (ach/h)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Netw	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans
1-H2-028		Touch Down Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (2ach)	2 people at 10 l/s per person (2ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch Dimmer	Desk 0.75 to 0.85m
3-H3-001		Workshop / Tutorial Room	1	20.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-H3-002		Control Room	1	8.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
3-H3-003		Storage	1	15.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	0	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
3-H3-004		Workshop / Tutorial Room	1	20.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-H3-005		Scenario Room	1	20.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-H3-006		WC / WHB disabled	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
3-H3-007		WC Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
3-H3-008		WC Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
3-H3-010		Workshop / Tutorial Room	1	20.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-H3-011		Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41		200	n/a	None	A	80	Switch	Floor 6m
3-H3-012		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 6m
3-H3-013		Manual Handling, Health & Safety	1	15.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-H3-014		Practice Based Educators Office	1	20	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-H3-015		Meeting Room	1	25.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	14 people at 10 l/s per person (7ach)	14 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-H3-016		Seminar Room	1	40.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	23 people at 10 l/s per person (7ach)	23 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-H3-018		Management Admin Office	1	15	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-H3-019		Computer Carrels	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-H3-020		Lockers	1	8.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-001		Drangle Lobby	1	15.0	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-002		Wheelchair Bay	1	8.0	Circulation Areas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-003		Security Office	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-II-004		Vending Machine	1	3.0	Waiting Room	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-005		Reception / Information Desk	1	12.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-II-006		Retail Shop	1	30.0	Retail Shop	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	3	3	Balanced	None	43	n/a		300	n/a	None	A	80	Switch	Floor 6m
G-II-007		Catering Shop	1	30.0	Catering Shop	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	3	3	Balanced	None	43	n/a		300	n/a	None	A	80	Switch	Floor 6m
G-II-008		Waiting Area	1	18.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 6m
G-II-009		Public Telephone Booth	1	2.0	Circulation Phone Booths	28	18	Adjacent Space Transfer Air	None	No	None	n/a	0	0	n/a	n/a	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-010		WC - Visitors	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-011		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-012		Assisted Change/Nappy Change	1	7.0	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41		100	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-013		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 6m
G-II-014		Fee Control room	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-I2-002		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 6m
B-I2-004		Store - Beds	1	96.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
B-I2-005		Store - Toys	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
J1-001		Lobby	1	3.0	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
J1-002		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
J1-003		Body Viewing Room	1	18.0	Body View	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Negative	G4	43	n/a		300	n/a	None	A	80	Switch Dimmer	Floor 6m
J1-004		Sitting Room with Beverage Bay	1	20.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 6m
G-J2-002		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (10ach)	6 people at 10 l/s per person (10ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-J2-003		Prayer / Meditation / Reflection Area	1	40.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 6m
G-J2-004		WC wheelchair accessible / Ritual Washing Area	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-J2-005		Store	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
G-J2-006		Office	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-001		Meeting Rooms (family size)	1	15.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (9ach)	10 people at 10 l/s per person (9ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-002		Meeting Rooms (family size)	1	15.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (9ach)	10 people at 10 l/s per person (9ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-003		Office 1	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-004		Office 6	1	20.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-005		Office 2	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-006		Waiting	1	8.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 6m
G-K1-007		Nappy Changing Room	1	4.0	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41		100	n/a	None	A	80	Automatic Controls	Floor 6m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-K1-008	K1 Family Support	WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-010		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-011		Office 3	1	10	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-012		Office 5	1	19.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-013		Store	1	24.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-015		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-016		Drop-In Lounge / Beverage Bay	1	35.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-K1-017		Drop-In Multi-Purpose Room	1	39.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-018		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-019		Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41		200	n/a	None	A	80	switch	Floor 0m
G-K1-021		Complementary Therapy Room	1	15.0	Crowding Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-K1-022		Radio Lollipop Broadcasting Studio, Lobby	1	20.0	Circulation Areas	28	18	Radiant Panels	Remote Sensor Adj.	No	None	to suit location	to suit location	to suit location	Balanced	G4	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-023		Wheelchair Bay	1	6.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-024		Office 4	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-025		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-026		DSR	1	7.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-029		Disposal Hold	1	4.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-002		Reception/Walking	1	5.0	Walking Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
3-K2-003		Office - 1 person	1	8.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-K2-004		WC - Female	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-005		WC - Male	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-006		Lounge - non residents	1	30.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
3-K2-007		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-008		Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-K2-009		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-010	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-011	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-012	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-013	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-014	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-015	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-016	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-017	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-019	Family Room accessible for 4 persons inc ensuite	1	24.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-020	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-021	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-022	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-023	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-024	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-025	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-026	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-027	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-028	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-029	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-030	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-032	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-033	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-035	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-036	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-037	Family Room for 4 persons inc ensuite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-038	En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-039	Store	1	10.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
3-K2-040	Family Room	Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-041		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-042		Laundry	1	15.0	Laundry	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative	G4	43	60		300	n/a	None	A	80	Switch	Floor 0m	
3-K2-043		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-044		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-045		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-046		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-047		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-048		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-050		Kitchen / Dining Rooms	1	116.0	Pantry	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
3-K2-051		Residents Day Room	1	18.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
3-K2-053		Residents Play Room	1	18.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m	
3-K2-054		Switch/Meter Cupboard	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-057		Store	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-058		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-059		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-060		Family Room accessible for 4 persons inc en-suite	1	24.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-061		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-062		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-063		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-064		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-065		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-066		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-067		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-068		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-069		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-071		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-072		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-073		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-074		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-075		Family Room for 4 persons inc en-suite	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-K2-076		En-suite Shower / WC / WHB	1	6.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-078		Laundry	1	15.0	Laundry	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative	G4	43	60		300	n/a	None	A	80	Switch	Floor 0m	
3-K2-080		Storage - refuse	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-K2-085		Fundraisers	1	10.0	Cellular / Ward Offices	28	16	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-L1-002		Family Room	Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-003			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-004			Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-005			Receiving Resuscitation area	1	30.0	Resuscitation Bay	28	16	Radiant Panels	Remote Sensor Adj	No	None	Central Supply	10	0	Positive	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-006			Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-007			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-008			Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj	No	None	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-L1-009			Resuscitation Trolley Bay	1	1.0	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-010			Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-011			En-suite Shower / WC / WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-012			Waiting Area, relatives	1	30.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
1-L1-013			Refreshment, Vending Machine	1	3.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
1-L1-014			WC - Wheelchair accessible (Visitors)	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-015	Single Bed Room		1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-L1-016	En-suite Shower / WC / WHB		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-L1-017	Single Bed Room		1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-L1-018	En-suite Shower / WC / WHB		1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-L1-019	L1 DCN Acute Care - 24 Beds	Linens Bay	1	1.5	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-020		Hoist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-021		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-022		En-suite Shower/ WC/ WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-023		Staff Base	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-024		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-025		En-suite Shower/ WC/ WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-026		WC - Wheelchair accessible (Visitors)	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-027		Patient Waiting	1	20.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		200	n/a	None	A	80	Switch	Floor 0m
1-L1-028		Multi-Disciplinary Office / Reception	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-029		Consulting/Examination Room	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-L1-030		Consulting/Examination Room	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-L1-031		Consulting/Examination Room	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-L1-032		Consulting/Examination Room	1	15.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-L1-033		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-034		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-035		En-suite Shower/ WC/ WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-036		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-L1-037		Interview/Relatives Quiet Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-038		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-039		En-suite Shower/ WC/ WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-040		En-suite Shower/ WC/ WHB	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-044		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-046		Ward Management Office	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-047		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-L1-052		Staff Room	1	9.0	Common room/staff lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
1-L1-053		Multi-disciplinary Office	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-054		Ward Kitchen	1	12.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60		500	n/a	None	A	80	Switch	General working plane 1m
1-L1-055		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-L1-060		Teaching Room	1	20.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (each)	10 people at 10 l/s per person (each)	Balanced	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-L1-061		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-066		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-067		Shower Room/en-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-068		Single Bed Room	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	10	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-069		Shower Room/en-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	40	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-070		Interview/Relatives Quiet Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-071		Linens Bay	1	1.5	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-072		WC Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-073		WC Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-074		Resuscitation Trolley Bay	1	1.0	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-075		Staff Base	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-L1-076		Storage Consumables	1	18.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-077		En-suite Accessible Shower/WC/WHB	1	6.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-078		Hoist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-079		WC Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-080		WC Independent Wheelchair	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-082		Relatives Overnight Stay Room	1	10.0	Relatives Overnight Stay	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	G4	43	41		100	n/a	None	A	80	Switch	Bed / Trolley 1.45m
1-L1-083		Single Bedroom (level 1)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-084		Shower Room/en-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-085		Mobile X-Ray Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-086A		Storage Equipment	1	5.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-086B		Storage Equipment	1	5.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-L1-087		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-088		Single Bedroom (level 1)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-089		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (2ach)	2 people at 10 l/s per person (2ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-L1-090		Storage Stationery	1	4.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-091		Single Bedroom (level 1)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-092		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-093		Single Bedroom (level 1)	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-L1-094		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-095		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-096		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-097		4 Bed Room	1	64.0	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
1-L1-099		En-suite	1	6.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-100		4 Bed Room	1	64.0	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	G4	43	41		100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
1-L1-101		En-suite	1	6.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-103		Treatment Room	1	18	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-L1-104		Isolation Lobby	1	4.0	isolation Lobby	28	18	Warm Air - Reheat Battery	Local / EMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	55	0	Positive	F7	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-L1-108		Physical Measure	1	2.0	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-L1-109		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (2ach)	2 people at 10 l/s per person (2ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-002		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-003		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-004		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-005		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-005		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-007		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-008		Hoist Bay	1	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-009		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-010		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-011		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-012		Store	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-013		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-014		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-015		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-016		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-017		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-018		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-019		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-020		Resuscitation Trolley Bay	1	1.0	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-021		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-022		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-023		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-024		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-025		Touchdown Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-L2-026		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-027		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-028		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-029		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-030		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-031		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-032		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-033		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-034		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-L2-035		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-L2-036	L2 DCN Inpatients - 43 Beds	Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-037		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-038		Isolation Bedroom Entrance Lobby	1	4.0	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	40	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-039		Single Isolation Bedroom	1	19.0	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-040		Isolation Shower Room	1	4.5	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	No	Dirty Extract	0	42	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-041		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-042		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-043		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-044		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-045		Touchdown Base	8	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	No	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
2-L2-046		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-047		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-048		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-049		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-050		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-051		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-052		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
2-L2-053		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-054		Dirty Utility	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-055		Sitting Room	1	12.0	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
2-L2-056		Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-057		Multi-disciplinary Office	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-058		Store	1	12.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-059		Hoist Bay	3	3.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	No	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-060		WC: Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-061		WC: Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-062		Ward Kitchen	1	16.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m	
2-L2-063		Touchdown Base	7	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	No	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
2-L2-064		Mobile X-Ray Bay	1	4.5	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	No	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-065		WC: Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-066		WC: Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-067		Clinical Supplies Store	1	16.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-068		WC: Independent Wheelchair	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-069		Teaching Room	1	20.0	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	9 people at 10 l/s per person (each)	9 people at 10 l/s per person (each)	Balanced	G4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2-L2-070		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-071		WC: Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-072		WC: Ambulant	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-073		Reception	1	3.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-074		Waiting Area	1	16.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
2-L2-075		Multi-disciplinary Office	1	18.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-076		Ward Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-077		Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-L2-078		Ward Kitchen	1	16.0	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	G4	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m	
2-L2-079		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
2-L2-080		Assisted Bathroom	1	14.0	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-081		Sitting Room	1	12.0	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
2-L2-082		Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
2-L2-083		Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-084	Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		
2-L2-085	Shower Room-ensuite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-L2-086	Touchdown Base	6	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	No	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
2-L2-087	Single Bedroom	1	19.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-L2-141		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-142		Single Bedroom	1	13.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	n/a ensuite	Balanced	G4	43	41		100	5	300	A	80	Switch - Dimmer	Bed / Trolley 1.45m
2-L2-143		Shower Room-an-suite	1	4.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-144		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-L2-152		Physical Measure	1	3.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
2-L2-153		Touchdown Base - no longer used	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	10/super person	10/super person	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-M1-002		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-003		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-004		Nurse Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10/super person (each)	1 person at 10/super person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch - Dimmer	Desk 0.75 to 0.85m
G-M1-005		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-006		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-007		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-008		Physical Measurement	1	3.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-009		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-010		Pre Op Clinic Team Office (3 person)	1	3.5	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-011		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-012		Consult/Multi-Disciplinary	1	24.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-013		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-014		Treatment Room (with prep area)	1	16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-015		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-016		Clean Utility	1	8.0	Clean Utility	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-M1-017		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-018		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-019		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-020		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-021		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-022		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-023		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-024	M1	DCN Outpatients	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-025		Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-027		Consult/Multi-Disciplinary	1	24.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-M1-028		Dry Utility: urine test	1	11.0	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-029		Outpatients Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-031		Nurse Base	1	2.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10/super person (each)	1 person at 10/super person (each)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch - Dimmer	Desk 0.75 to 0.85m
G-M1-032		Main Waiting	1	59.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-M1-034		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-035		WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-036		Staff Room	1	12.0	Common room/staff rooms lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
G-M1-037	Store: Clinical Supplies, Equipment & Stationery	1	15.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-038	Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-039	WC Fully Accessible Changing Room	1	7.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-040	Physical Measurement	1	3.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-M1-041	Store - Equipment / General	1	6.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-042	Phlebotomy Room	1	8.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-M1-043	Public Telephone Booth	1	1.5	Circulation Phone Booth	28	18	Adjacent Space Transfer Air	None	No	None	n/a	n/a	0	0	n/a	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-045	WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-046	Medical Records Store	1	8.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-047	Enquiry / Information Desk: 2 staff	1	12.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-049	Patient Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-050	DSR	1	7.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-051	Sub Waiting Area	1	16.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m	
2-M2-002		Staff Office	1	55.6	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane			
2-M2-003	M2	DCN Therapies	Reception	1	8.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M2-004			Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M2-005			Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M2-006			Waiting	1	18.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m			
2-M2-007			ADL Bathroom, Shower, WC with toilets	1	13.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-008			Physio Treatment Room	1	15.0	Physiotherapy Suite	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Negative	G4	43	41	300	n/a	None	A	80	Switch Dimmer	Floor 0m			
2-M2-009			ADL Kitchen	1	22.0	Pantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m			
2-M2-010			Consult/Examination	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m			
2-M2-011			Distraction Free Treatment Room	1	15.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m			
2-M2-012			Distraction Free Treatment Room	1	15.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m			
2-M2-013			Staff Lockers	1	4.5	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M2-014			WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-015			Staff Toilet	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-016			Staff Toilet	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-017			Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M2-018			Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M2-019			Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M2-020			Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M2-021			Store: General Equipment	1	25.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-022			Patient Toilet	1	5.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-023			Multi-Purpose Rehabilitation Room	1	80.0	Physiotherapy Suite	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Negative	G4	43	41	300	n/a	None	A	80	Switch Dimmer	Floor 0m			
2-M2-024			Store: General Equipment	1	5.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-025			Store: General Equipment	1	20.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M3-002			M3	Programmed Investigations Unit	Treatment Room	1	18.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
2-M3-003					Treatment Area	1	45.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
2-M3-004	Waiting area: 4 & 2 wheelchairs	1			17.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m			
2-M4-002	M4	DCN Neurophysiology	Waiting Area (DCN)	1	15.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m			
2-M4-003			Secretarial Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M4-004			Reporting Room	1	20.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M4-005			HOD Office	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M4-006			WC - wheelchair accessible (DCN)	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M4-007			Quiet Room	1	10.0	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m			
2-M4-008			EMG Nerve Conduction Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
2-M4-009			EMG Nerve Conduction Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
2-M4-011			EMG Nerve Conduction Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
2-M4-012			VTEM/Ambulatory Review Room	1	20.0	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
2-M4-013			Clinical Physiologist Room	1	24.6	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
2-M4-014			WC - Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m			
2-M4-016			Store / Records	1	32.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M4-017			EEG Recording Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
2-M4-018			EEG Recording Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
2-M4-019			EEG Recording Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m			
G-N1-001			N1	DCN Entrance	Reception / Information Desk	1	6.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-N1-002					Draught Lobby	1	9.0	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-N1-003					WC - wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-N1-004	WC - visitors	1			3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m			
G-N1-005	Wheelchair Bay	1			6.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m			
G-N1-006	Vending Machine	1			3.0	Circulation Areas	28	18	underfloor heating / none to suit location	BMS Adjustable Sensor	No	No	None	to suit location	to suit location	to suit location	Balanced	G4	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-N1-007	Waiting Area	1			8.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a	300	n/a	None	A	80	Switch	Floor 0m			
2-N2-002	N2	DCN Wards / Health Records Support - N2			Staff Room	1	34.0	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A	80	Switch	Floor 0m	
2-N2-003					Grab & Go	1	20.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-N2-004					Disposal Hold (small)	1	4.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-N2-005		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	1000	A	80	Automatic Controls	Floor 0m
1-P1-002		Physical Measurement Bay	1	3.5	Consulting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-003		Single Bedroom	1	15.0	Bathroom	28	20	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-004		En-suite WC / WHB	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-005		Single Bedroom	1	15.0	Bathroom	28	20	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-006		En-suite WC / WHB	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-007		Clinic Room	1	12.0	Treatment Rooms	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-P1-008		Clinic Room	1	12.0	Treatment Rooms	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-P1-009		Interview Room - DCU	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-010		Single Rooms ensuite	1	15.0	Bathroom	28	20	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-011		En-suite WC / WHB	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-012		SDCU Discharge Lounge	1	40.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
1-P1-013		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-014		Interview Room - DCU	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-015		SDCU Dispensary	1	8.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-016		Pantry (DCU)	1	8.0	Pantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
1-P1-017		Wheelchair Parking Bay	1	1.5	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-018		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-020		WC - Patients	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-021		SDCU Post Op Staff Base Utility	1	10.0	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (4ach)	2 people at 10 l/s per person (4ach)	Balanced	G4	n/a	n/a		200/300	n/a	None	A	80	Switch Dimmer	Desk 0.75 to 0.85m
1-P1-022		Recovery Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-023		Recovery Dirty Utility	1	14.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-024		SDCU Recovery	1	8.0	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
1-P1-025		SDCU Recovery Room	1	11	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
1-P1-026		SDCU Recovery Room	1	11	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
1-P1-027		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-028		Recovery Staff Base	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-029		Post Anaesthetic Recovery	1	93.8	Recovery Bay / Recovery Room	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
1-P1-030		Recovery room: post anaesthetic, 1 place	1	28.0	Recovery Bay / Recovery Room	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
1-P1-031		Recovery room: post anaesthetic, 1 place	1	28.0	Recovery Bay / Recovery Room	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch Dimmer	Bed / Trolley 1.45m
1-P1-032		Operating Theatre	1	55.0	Operating Theatre Suite	31	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-033		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	16	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-034		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-035		Dictation / 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-036		Image Intensifier Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-038		Satellite Pharmacy Store	1	6.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-039		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-040		Exit Bay	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41		300	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-041		Utility Room	1	14.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-042		Parking bay: fibre optic bronchoscope light source trolley	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-043		X-Ray/Ultrasound Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-044		Operating Theatre	1	55.0	Operating Theatre Suite	31	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-045		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-046		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-047		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-048		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-049		Clean Scopes Store	1	8.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-050		Day Case Theatre	1	40.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-051		MRI Reporting	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-052		WC-Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-053		Staff Room	1	50.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
1-P1-054		Sub-Wait Area	1	4.5	Waiting Room																					

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
1-P1-055	P1 Operating Theatres & RHSC Surgical Day Case Unit	Inpatient Holding Bays	1	8.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-P1-056		Inpatient Holding Bays	1	8.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-P1-057		Trolley Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-P1-058		Angiography Procedures Machine Room	1	16.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-059		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-060		Trolley Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-061		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-063		Preparation Room	1	14.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-064		MRI Room	1	45.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 & 25 (Theatre Mode)	0	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
1-P1-065		Control Room - MRI	1	16.0	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-066		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-067		Exit Bay	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-068		Equipment Room - MRI	1	14.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-069		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-070		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-071		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-072		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-073		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-074		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-075		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-076		Exit Bay	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-077		Utility Room	1	14.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-078		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-079		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-080		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-083		Dictation / 1:1 Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-084		Image Intensifier Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-P1-085		Dictation / 1:1 Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-086		Medical Gas Cylinder Store	1	4.0	Storage Area Med Gas	28	16	Frost protection	Room Thermostat	No	No	None	Central General Extract	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-087		Clinical Equipment Store	1	60.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-088		IPS Store	1	1.5	IPS Store	Manufacturer Dependant	Manufacturer Dependant	None	None	No	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-089		DCN Nurse Management Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-090		Dry Utility bedpan disposal & urine test	1	14.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-091		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-092		Utility Room	1	14.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-093		Angiography Procedures Room	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-094		Angiography Procedures Control Room	1	16.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-095		Sterile Supplies Store	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-097		Image Intensifier Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-098		WC-Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-099		Sterile Supplies Store	1	89.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-100		Female Staff Changing and Lockers	1	70.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-101		Clean Trays	1	12.0	DSR	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-P1-102		Male Staff Changing and Lockers	1	60.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-103		Footwear Machine Wearing Area	1	4.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	Yes	Yes	Ceiling Cassette - Chilled Water	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-104		Dirty Trays	1	6.0	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-105		Disposal Hold	1	10.0	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-106		Clean Utility	1	12.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-107		Resuscitation Trolley Bay	1	1.0	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-108		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-109		Recovery bay post anaesthetic, 1 place	1	108.0	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m	
1-P1-113		Staff and communication base enclosed 3 staff	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Yes	C															

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-P1-116		Consulting, examination & changing room	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-117		IPS Room	1	1.8	IPS Room	Manufacturer Dependant	Manufacturer Dependant	None	None	No	None	Central Supply and Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-118		Consulting, examination & changing room	1	16.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-119		Reception, administration office & communication base: 4 staff	1	24.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-120		Consulting, examination & changing room	1	15.5	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-121		Interview, counselling & quiet room: 5 persons	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (batch)	5 people at 10 l/s per person (batch)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-122		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-123		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-124		Duty Room: 2 porters	1	5.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-127		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-128		Admissions Lounge	1	36.0	Common room/staff rooms/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
1-P1-129		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-130		Utility Room	1	14.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-131		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-132		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-133		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-134		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-135		Exit Bay	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41		300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-136		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-137		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-138		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-140		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-141		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-143		Office Senior Nurse Theatres	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-144		Image Intensifier Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-145		Dictation 1/1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-146		Clinical Equipment Store	1	28.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-147		Office Staff	1	16.0	Cellular / Ward Offices	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-148		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-149		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-151		Exit Bay	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	0	Balanced	F7	43	41		300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-152		Utility Room	1	14.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-153		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-154		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-155		Operating Theatre	1	55.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-156		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-158		Dirty Scopes Store	1	8.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-159		Store - Plaster	1	6.0	Storage Area Equipment	28	16	Radiant Panels	TRV Remote Head Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-161		Disposal Hold	1	15.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-162		Staff Reception / Office / Control Base	1	20.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-163		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-164		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-165		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-167		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-168		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-169		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-170		Immediate Pre Theatre Wait	1	51.5	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
1-P1-171		WC-Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-172		Charge Nurse Office	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-173		Locker Bay	1	13.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-174		General Office	1	14.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.																	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-P1-176		Consult/Examination	1	15.5	Consulting Rooms	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-177		Consult/Examination	1	15.5	Consulting Rooms	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-178		Main Waiting Play Area	1	50.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
1-P1-179		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-180		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-183		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-184		Anaesthetic Room	1	19.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-185		Scrub-up (single)	1	11.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-186		Exit Bay (interoperative)	1	6.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41		300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-187		Utility Room (interoperative)	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41		150	n/a	None	A	90	Switch	Bed / Trolley 1.45m
1-P1-193		Troy Wash Store	1	4.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-194		Cleaner Cupboard	1	1.5	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-195		Store (RHSC)	1	N/A	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-196		Preparation Room	1	12.0	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41		500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-197		TV Store	1	N/A	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-002		IPS Room	1	1.0	IPS Room	Manufacturer Dependant	Manufacturer Dependant	None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-003		Nappy Change Room with handwash	1	4.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-004		General X-Ray Room	1	33.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-005		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-006		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-007		Trolley Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Supply Only	to suit location	0	Positive	G4	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-008		Processing Area	1	30.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-009		Acute Reporting	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-010		Ultrasound Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-011		Changing Cubicles	1	4.0	Changing Facilities	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-012		General X-Ray Room	1	33.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-013		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-014		Ultrasound Room	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-015		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-016		Screening Room (fluoroscopy)	1	39.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-017		Preparation Room	1	10.0	Consulting Rooms	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-018		Ultrasound Sub Wait	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-019		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-020		Patient Interview Room	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-021		Baby Infant / Feeding Room	1	4.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply Air	5	0	Positive	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-022		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-023		Registrars Office (5 desks)	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-024		Dirty Utility	1	9.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-025		Radioactive Waste Store	1	2.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-027		Cold Waiting Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-028		Preparation Room	1	14.0	Consulting Rooms	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-029		WC - Wheelchair accessible (hot)	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-030		Gamma Camera Admin Office	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-031		Medical Physics Office	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-032		Gamma Camera Reporting	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-033		Emergency Shower	1	2.5	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-034		Hot Waiting Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-035		Injection Room	1	8.0	Consulting Rooms	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-036		Recovery Area	1	15.0	Recovery Bay / Recovery / Admin	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	G4	43	41		500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
G-Q1-037		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-039		Gamma Camera	1	40.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-041		Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41		200	n/a	None	A	80	Switch	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Ventilation Type	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-Q1-042	01 Radiology	Gamma Camera Control Area	1	17.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-043		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-044		Gamma Camera	1	40.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-045		Injection Room	1	8.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-046		Stress Room (myocardial work)	1	14.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-047		Hot Waiting Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-048		WC - Wheelchair accessible (hot)	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-049		WC - Wheelchair accessible (cold)	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-050		Cold Waiting Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-052		Counting Laboratory	1	14.0	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60		500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-Q1-053		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-054		Meeting Room - 4 person	1	6.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (10ach)	4 people at 10 l/s per person (10ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-055		Meeting Room - 6 person	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (3ach)	6 people at 10 l/s per person (3ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-057		Other Clinical Staff Office (7 Person)	1	28.7	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-058		Acute Reporting	1	25.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-059		CT Room	1	36.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-061		Disabled Toilets	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-062		WC - Toilets	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-063		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-064		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-066		Preparation Room	1	26.0	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-067		Disabled Toilet	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-068		Toilets	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-069		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-070		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-071		Control Room - CT	1	16.0	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-072		Tele-radiology Reporting	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-073		Quiet Reporting	1	20.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-074		Consultant Office (5 person)	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-075		Consultant Office (5 person)	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-076		Ultrasound Admin Office	1	15.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-077		Admin Office	1	28.7	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-078		Waiting Area - Main Dept	1	40.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-079		Reception	1	8.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-080		Waiting Area	1	35.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-081		Doppler Ultrasound	1	16.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-082		Meeting Room - 4 person	1	6.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (3ach)	4 people at 10 l/s per person (3ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-083		Photocopy Room	1	6	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-084		Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-086		Control Room - MRI	1	24.0	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-089		Inpatient Holding Bays	1	43.2	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	6	Positive	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-092		MRI Room	1	45.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-094		Sub Wait	1	6.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-095		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-096		Changing Cubicles	1	4.0	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-097		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-098		Recovery Bays	1	8.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-099		Equipment Room	1	16.0	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-100		Equipment Room	1	16.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-102		DSR	1	8.0	DSR	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-103		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-104		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-Q1-105		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-106		Changing Cubicles	1	4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-108		Injection Room	1	12.0	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-Q1-109		Toilet	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-110		MRI Room	1	45.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-111		Control Room - MRI	1	24.0	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-112		Clean Utility	1	10.0	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-Q1-113		Dirty Utility	1	9.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-114		Store Room	1	20.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-115		Adult Waiting Area	1	8.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-119		Waiting Area	1	12.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-120		MRI Reporting	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-121		Baby Inters / Feeding Room	1	4.0	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply Air	5	0	Positive	G4	43	41		150	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-123		MRI Room	1	45.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-124		Equipment Room	1	16.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-125		Recovery Area - 1 place	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	None	A	90	Switch	Bed / Trolley 1.45m
G-Q1-126		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-127		WC - Wheelchair accessible & change	1	7.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-128		Accessible Changing Cubicles	1	6.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-129		Accessible Changing Cubicles	1	6.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-130		Induction Area - 1 place	1	16.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41		500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-Q1-131		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-132		WC - Wheelchair accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-133		Equipment Room - MRI	1	16.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-134		MRI Room	1	45.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41		300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-135		Control Room - CT/MRI	1	24.0	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-136		CT Room	1	36.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	to suit location	to suit location	Balanced	F7	43	41		400	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-137		Main Reporting	1	25.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-138		Resuscitation Trolley Bay	1	1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-139		Linen Bay	1	1.5	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-140		IPS Room	1	3.0	IPS Room	Manufacturer Dependent	Manufacturer Dependent	None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	0	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-141		Dental Room	1	20.0	Treatment Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	G4	43	41		300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-142		Deposit Hold	1	10.0	Deposit Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-143		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-144		Female Staff Changing and Lockers	1	85.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-145		Trolley Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-146		Staff WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-148		Store Room	1	20.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-149		Resources Room / Library	1	39.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-150		Male Staff Changing and Lockers	1	27.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-151		Consultant Office (5 person)	1	20.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-152		Admin Office	1	20	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-153		Reception Area	1	6.0	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-154		Waiting Play Area	1	10.0	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	G4	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-160		Shelved Space	1	29.0		28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	3	3	Balanced	None	43	n/a		300	n/a	None	A	80	Switch	Floor 0m
G-Q1-161		Trolley Bay	1	4.0	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Supply	Part of corridor	0	Positive	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-001		Staff Room	1	24.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m
2-R1-002		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-003		Messing Room - 4 person	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-004		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-005		Beverage Bay	1	3.0	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41		200	n/a	None	A	80	Switch	Floor 0m
2-R1-006		Messing Room - 6 person	1	9.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-R1-054	RHSC / DCN	2nd Floor Desks	1	143.5	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054A		2nd Floor Desks	1	23.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054B		2nd Floor Desks	1	92.4	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054C		2nd Floor Desks	1	40.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054D		2nd Floor Desks	1	60.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-001		Management Conference Room	1	25.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	16 people at 10 l/s per person (7ach)	16 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-002		Management Conference Room	1	25.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	16 people at 10 l/s per person (7ach)	16 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-003		Meeting Room - 6 person	1	9.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (7ach)	6 people at 10 l/s per person (7ach)	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-004		Beverage Bay	1	3.0	Tea Making	28	18	None	None	No	None	Central General Extract	0	5	Negative	None	43	41		200	n/a	None	A	80	Switch	Floor 6m
4-R1-005		WC - Staff (Male)	1	8.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
4-R1-006		WC - Wheelchair Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
4-R1-007		Meeting Room - 4 person	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-008		WC - Staff (Female)	1	11.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m
4-R1-009		Staff Room	1	12.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 6m
4-R1-010		4th Floor Desks	1	213.0	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-011		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-012		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-013		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-014		Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-015		Store Management	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-016		Store Management	1	10.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-017	DSR	1	7.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	40		100	n/a	None	A	80	Automatic Controls	Floor 6m	
4-R1-018	Disposal Hold (small)	1	4.0	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m	
4-R1-019	Printer/Photocopier Room	1	6.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-002	RHSC Office	1	12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-003	Assistant Health Records Manager Supervisors	1	16.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-004	RHSC / DCN Office 17 Person	1	69.7	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-005	WC Staff	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m	
4-R2-006	Recept/ Dispatch Counter	1	6.0	Reception	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-007	Trolley Area	1	6.0	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m	
4-R2-008	RHSC & DCN Records Library (160,000 records)	1	368.0	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Dirty Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m	
4-R2-010	Accessible WC	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 6m	
4-R2-011	Dictation 1:1/Phone Booth	1	4.2	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-S1-001	RHSC / DCN	Preparation/Cooking Area	1	94.0	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	40	40	Balanced	G4	43	60		500	n/a	None	A	80	Switch	General working plane 1m
B-S1-002		Preparation/Cooking Area	1	16.0	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	40	40	Balanced	G4	43	60		500	n/a	None	A	80	Switch	General working plane 1m
B-S1-003		Diet Prep Area - no longer used	1	12.0	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	DW172 Dependant	DW172 Dependant	Negative	G4	43	60		500	n/a	None	A	80	Switch	General working plane 1m
B-S1-004		Diet Store	1	5.0	CDS	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-005		Temperature Controlled Sandwich Prep	1	18.0	CDS	12	10	None	None	Yes	Ceiling Cassette - Chilled Water	General Supply and Extract	4	4	Balanced	G4	43	41		500	n/a	None	A	80	Switch	General working plane 1m
B-S1-006		Bakery Preparation	1	13.0	CDS	12	10	None	None	Yes	Ceiling Cassette - Chilled Water	General Supply and Extract	4	4	Balanced	G4	43	41		500	n/a	None	A	80	Switch	General working plane 1m
B-S1-007		Staff Room	1	8.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 6m
B-S1-008		Office 5 person	1	25.5	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-S1-009		Female Staff Changing inc Shower	1	13.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-010		Male Staff Changing inc Shower	1	10.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-011		Kitchen Equipment	1	6.0	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-012		Fan Wash	1	12.0	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	6	Negative	G4	43	60		300	n/a	None	A	80	Switch	General working plane 1m
B-S1-013		Returned Trolleys	1	25.0	CDS	28	18	Adjacent Space Transfer Air	None	No	None	General Supply and Extract	1	2	Negative	None	n/a	n/a		300	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-014		Trolley Wash Area	1	6.0	CDS	28	18	Adjacent Space Transfer Air	None	No	None	General Supply and Extract	2	3	Negative	None	43	41		300	n/a	None	A	80	Switch	General working plane 1m
B-S1-015		Refuse	1	10.0	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-016		DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		300	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-017		Clean Trolleys Park	1	21.5	CDS	28	18	Adjacent Space Transfer Air	None	No	None	General Supply and Extract	1	2	Negative	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-018		Deodoriser / Detergent	1	6.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 6m
B-S1-019		Raw Meat	1	7.0	CDS	8	5	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a		300	n/a	None	A	80	Switch	General working plane 1m

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	High lux	Local lux	Standby grade	Colour render	Control	Plane	
B-S1-020		Veg Store	1	6.0	CDS	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	n/a	n/a		200	n/a	None	A	90	Automatic Controls	Floor 0m	
B-S1-021		Freezer	1	5.0	CDS	-18	-20	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a		300	n/a	None	A	80	Switch	Floor 0m	
B-S1-022		Freezer	1	5.0	CDS	-18	-20	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a		300	n/a	None	A	80	Switch	Floor 0m	
B-S1-023		Receipt Bay	1	3.0	Circulation Areas	23	18	Radiant Panels	Remote Sensor Adj.	No	None	None	General Extract	6	6	Negative	G4	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S1-025		Dairy Store	1	9.0	CDS	5	2	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S1-026		Weighing - no longer used	1	7.0	CDS	23	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	DW172 Dependent	DW172 Dependent	Negative	G4	43	60		300	n/a	None	A	80	Switch	General working plane 1m	
B-S1-027		Dry Goods	1	9.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S1-031		Pick and Pack	1		Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
2-52-001		52 e-Health Infrastructure	Core Server Room	1	40.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a		300	n/a	None	A	80	Switch	Floor 0m
B-S3-062		53 Domestic Services	Linon Pool (Clean)	1	80.0	Linon Bay	23	18	Radiant Panels	None	No	None	Central Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-063	Supplies Store		1	20.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-064	Laundry (microfibre)		1	15.0	Laundry	23	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	10	Negative	G4	43	60		300	n/a	None	A	80	Switch	Floor 0m	
B-S3-065	Linon Pool (Dirty)		1	32.0	Dirty utility	23	18	Radiant Panels	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-067	Cleaning Equipment Store		1	10.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-068	Sanitary Bin Store		1	6.0	Dirty utility	23	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-069	DSR		1	7.0	DSR	23	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-010	Bulk Equipment Store		1	10.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S3-011	Director 11/Phone Booth		1	4.2	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-S3-012	Domestic Service Office		1	20.5	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-S3-013	Curtain Store		1	7.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S4-001	54 Materials Management		Storage/Holding Area	1	100.0	Storage Area Equipment	23	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S4-003			Mailroom	1	20.0	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-S4-004		Office	1	10.0	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	4	3	Positive	None	43	41		400	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S4-008		Porters Office	1	12.0	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-S4-009		Clocking In	1	N/A	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-55-002	55 Central Staff Changing	Bay for Token Machine	1	5.0	Circulation Equipment Storage Bays	23	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-55-003		DSR	1	6.0	DSR	23	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	60		100	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-004		Male Staff Changing, Shower, WC & Lockers	1	100.0	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-55-005		Female Staff Changing, Shower, WC & Lockers	1	240.0	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S6-003		BMS Room	1	10.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a		300	n/a	None	A	80	Switch	Floor 0m	
B-S6-004	Workshop (NPD)	1	45.0	Small Workshop	23	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
B-S6-006	Staff Change	1	15.0	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41		100	n/a	None	A	80	Automatic Controls	Floor 0m		
B-S6-007	Shower	1	2.5	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S6-008	Shower	1	2.5	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S6-009	Workshop (NHSL)	1	30.0	Small Workshop	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Negative	G4	43	41		300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
B-S6-010	Staff WC	1	3.0	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S6-011	Supervisors	1	14.9	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-S6-012	Estates Library	1	6.0	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-S6-013	Office	1	33.8	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-S6-014	56 Estates	Store	1	25.0	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-S6-015		Contract Manager	1	6.0	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-S6-016		Office/Reception	1	11.0	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	4	Balanced	G4	43	n/a		300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-S6-019		Staff WC	1	3.0	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-S6-020		Alum Cleaning Equipment	1	N/A	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S6-021		Staff WC	1	3.0	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-022		Staff WC	1	3.0	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-023		Chemical Store	1	7.7	Storage Area Equipment	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-024		Trolley Holding Bay	1	9.2	Circulation Equipment Storage Bays	23	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S6-025		Trolley Holding Bay	1	N/A	Circulation Equipment Storage Bays	23	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	43	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
B-S6-026	Staff Welfare	1	24.3	Common room/staff rooms/lounge	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41		300	n/a	None	A	80	Switch	Floor 0m		
4-S7-002		Male WC	1	3.0	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-S7-003		Female WC	1	3.0	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans		
4-S7-004	57	Restaurant	Male WC	1	3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S7-007			Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	10	Automatic Controls	Floor 0m		
4-S7-008			Storage Dishwashing	1	25.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S7-009			DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S7-010			Restaurant	1	157.0	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	100 people at 10 l/s per person (each)	100 people at 10 l/s per person (each)	Balanced	G4	43	41	300	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S7-011		WC Accessible	1	4.5	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 0m			
B-S8-001	58	Sterile Support Store	Trolley Holding Bay	1	23	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S9-001	59	Helped Support	WC Ambulant	1	3	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S9-002			RFFS Changing / Support	1	28	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S9-004A			RFFS Medical Equipment Store	1	6	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S9-005			Trolley Bay Equip St	1	3.4	Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-S9-006			Cleaner	1	2.7	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
B-T1-001	11	Plant	IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
B-T1-002			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
B-T1-003			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
G-T1-003			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
G-T1-004			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
G-T1-005			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
G-T1-006			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
G-T1-007			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
1-T1-001			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
1-T1-002			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
1-T1-003			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
1-T1-004			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
1-T1-005			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
2-T1-001			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
2-T1-002			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
2-T1-003			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
2-T1-004			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
2-T1-005			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
2-T1-006			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
3-T1-001			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
3-T1-002			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
3-T1-003			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
3-T1-004			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
3-T1-005			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
4-T1-001			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
4-T1-002			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
4-T1-003			IT Node Rooms	1	9.0	IT equipment (comms server)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m		
3-U1-001			3	Laboratory	Main Lab	1	120.0	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-U1-002					Utility Area Wash Up	1	12.0	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-U1-003					Temp Controlled Store	1	15.2	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-U1-004					DSR	1	8.0	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-U1-005					Record Store	1	15.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-U1-006					Disposal Hold	1	10.0	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-U1-007	Meeting/Staff	1			16.0	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (each)	8 people at 10 l/s per person (each)	Balanced	G4	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-U1-008	Male Change	2			6.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
3-U1-009	Female Change	1			6.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	G4	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m		
3-U1-010	Office	1			29.7	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-U1-012	Staff WC	1			3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-U1-013	Staff WC	1			3.0	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
B-V1-001		Confidential Waste			1	17.1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Safety Notes	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
B-V1-002	U1 Labs	WEEE / Furniture / Waste Goods	1	30.6	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-001		EC Plant Room 1	1	335.4	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-002		EC Plant Room 2	1	350.7	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-003		HV Gen Control Room	1	40.5	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-004		HV Generator	1	56.8	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-005		HV Plant	1	25.5	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-006		HV Plant	1	29.7	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
M-X1-001		Mezz Plant 1	1	124.7	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-016		Office / Reception	1	11.0	Cellular / Ward Office	28	18	Electric Heater	Remote Sensor Adj.	Yes	None	Supply and Extract	4	3	Positive	G4	n/a	n/a		400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-S6-022		WC - Staff	1	3.0	Toilet	28	18	Electric Heater	Remote Sensor Adj.	No	None	Dirty Extract	0	10	Negative	None	43	41		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-023		Chemical Store	1	7.2	Storage Area Equipment	23	16	Electric Heater	Remote Sensor Adj.	No	None	Dirty Extract	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-024		Trolley Holding Bay	1	9.2	Circulation Equipment Storage Bays	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-S6-025		Trolley Holding Bay	1	6.4	Circulation Equipment Storage Bays	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001A		Clinical Waste - Dirty	1	34.4	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001B		Clinical Waste - Dirty	1	N/A	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001C		Clinical Waste - Dirty	1	N/A	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-002		General Waste	1	10.1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-003		Gas Manifold	1	37.1	Storage Area Equipment	40	10	Electric Heater	Remote Sensor Adj.	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-004		Kitchen Waste	1	31.9	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-005		Clinical Waste - Clean	1	35.1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-006	Wash Area	1	20.9	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a		200	n/a	None	A	80	Automatic Controls	Floor 0m	

Royal Hospital for Sick Children and Department for Clinical Neurosciences - Edinburgh

RHSC / DCN RDS Environmental Matrix

Updated to suit accommodation schedule issued 03/08/2016 Rev 4*

General mechanical services updated in line with current drawings.

Lighting updated as per table 1 and table 2.

WW-XX-XX-DC-XXX-001 Rev 07

19th September 2016

Dept Code	Index
~	Cover
~	Guidance Notes
~	Room Function Reference Sheet
~	Occupancy & Equipment Load Allowances
A1 - A4	Front Door - A&E / Assessment Ward
B1	Critical Care / HDU / Neonatal Surgery
C1- C5	RHSC In Patient Pathway / Ward Care
D1 - D10	RHSC Ambulatory Care
E1	Pod
F1	Child and Adolescent Mental Health
G2 - G3	Clinical Support
H1 - H3	Academic
I1 - I2	Facilities / Infrastructure Support Services
J1 - J2	Patient / Family Support
K1 - K2	Family Facilities
L1 - L2	DCN In Patient Pathway / Ward Care
M1- M4	DCN Support Space
N1	DCN Out Patient Departments
P1	Combined Theatres
Q1	Combined Radiology
R1 - R2	Office / Admin Support Services
S1 - S7	Combined Facilities / Infrastructure Support Services
T1	Plant
U1	Shelled Space

RDD	
(Reviewable Design Data Subsection 5 of Schedule Part 6)	
Board	
Name:	B. CURRIE
Date:	17/10/16
Sign:	[REDACTED]
Level:	C
Comment:	
PLEASE REFER TO MH-9C-002084. SEE ALSO DOCUMENT.	
In accordance with the Levels set out in Subsection 5 of Reviewable Schedule Part 6 (Review Procedure):	
Level A - No Comment	
Level E - Proceed subject to Amendment Approval	
Level C (Subject to Amendment Approval)	
Level D - Rejected	

REFER TO
MPX - GC - 012654

Brookfield MULTIPLEX	BM
Built to outperform.	
Contractor Document Review RHSC & DCN Edinburgh	
<input type="checkbox"/> No Comment <input type="checkbox"/> Noted subject to comments revise and resubmit within 7 business days <input checked="" type="checkbox"/> Rejected - revise and resubmit within 7 business days	
BM Checked by:	[REDACTED]
Date:	18/10/16
Brookfield Multiplex reserves sole liability for ability to fulfil all its obligations with respect to contractor conformity with the other Consultants and especially Subcontractor's design and the project Agreements. Employer's requirements are the only plan and for ensuring that there are no ambiguous discrepancies, inconsistencies or omissions within this document or between it and any other design document.	

Rev 7. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments.

- 1 Updated to suit accommodation schedule issued 03/08/2016 Rev 04* *CIRCULATION AREAS NOT INCLUDED IN THE MATRIX.*
 2 General mechanical services updated in line with current drawings. *ALL SERVICES SHALL BE UPDATED TO REFLECT BCRs*
 3 Lighting updated as per table 1 and table 2. *LIGHTING SHALL BE UPDATED TO REFLECT BCRs.*

Table 1 Amendments

	Room Function	Matrix	LG2	Comment	Resolution
1	Body Viewing room	300	50/100	Higher than LG2	Reduce output via KNX commissioning
2	Cellular/Ward Offices	400	300	Higher than LG2	Reduce output via KNX commissioning
3	Shower	200	100-150	Higher than LG2	Reduce output via KNX commissioning
4	Linen Bay	200	100	Higher than LG2	Reduce output via KNX commissioning
5	Multi-disciplinary Office	400	500	Higher than LG2	Reduce output via KNX commissioning
6	Open plan office	400	300	Higher than LG2	Reduce output via KNX commissioning
7	Operating Theatre	500	1000	Higher than Matrix	Amend Matrix
8	Resuscitation Bay	200	500	Higher than LG2	Amend Matrix at patient treatment bays to 500lux, general bays to be 200lux (As schedule below)
9	Workshop	300	300/500	Compliant with both.	As matrix
10	Staff Base	200/300	300	Compliant with both.	As Matrix
11	Tea making	200	100	Higher than LG2	Reduce output via KNX commissioning

Table 2 Resuscitation Trolley/Bay

	Room	Light level (Lux)
3.C1.2.029	Resuscitation Trolley Bay	200
1.D6.060	Resuscitation Bay	500
3.D9.005	Resuscitation Trolley Bay	200
1.L1.0054	Resuscitation Bay	500
1.L1.074	Resuscitation Trolley Bay	200
2.L2.020	Resuscitation Trolley Bay	200

Rev 6. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments

Item	Initial Response	Feed back	Reconciliation
1	Update the Environmental Matrix shall be updated by Project Co to reflect all the rooms and room types in the proposed Facility, this should be based on an updated Schedule of Accommodation that has been commented on separately by the Board. This also needs to reflect the names and room numbers in the GSU table.	Individual room numbering being applied.	OK Agreed
2	Include the requirements contained in the Clinical Output Specification including but not limited to the requirement that theatre temperatures are to be able to be raised to 31°C for certain operations.1	We have made reference to the figure of 31°C in the Guidance Notes. 'Theatre temperatures are to be able to be raised to 31°C for certain operations.'	Temperature control in theatres is covered in the Operational Design Notes V5 14th Oct2014 for RHSC Theatres 1 & 2. Operating theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged in the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation. THIS HOWEVER IS NOT NOTED ANYWHERE This statement is now incorporated within the guidance notes of the matrix
3	Measures shall be assessed, modelled and implemented to demonstrate that the internal air temperature of the following room types to reduce the temperature control from 28°C to 25°C- Treatment Rooms, Consulting Rooms; Laboratory; Physiotherapy Studio, Recovery. These room shall not exceed the maximum acceptable level of 25°C for more than 50 hours per annum	The Temp (max) column within the table has been updated to 25°C for the agreed rooms 3.1- 3.5 above.	OK Agreed
4	Detailed proposal awaited on bedroom ventilation to achieve balanced/ negative pressure relative to corridor.,	The single bedrooms have had their ensuite extract increased to achieve a balance within the room. this has been noted within the matrix.	NOTE 26 AND VENTILATION TYPE HAVE NOT BEEN ALTERED. Refer to Matrix
5	Colour rendering all stated as 80 where certain areas should be 90	Amended.	NEEDS TO BE CHECKED FOR ALL Refer to Matrix
6	There also need to have a consistent approach e.g. guidance notes and ED body view room stated as 28 -8, bereavement suite body view room stated as 25 -8.	The figure of 25-8 is now reflected within the matrix.	OK Matrix now amended. See item 7 below.
7	Further discussion is required on the minimum temperate requirement for the Body View Room.	Awaiting confirmation on this one from the client, however discussion at the meeting on the 11/11/14 was that rather than take the room temperature down to 8°C which would require specialist cooling they would look at providing a cold blanket for the body and room temperatures would be retained as a normal room.	NHSL confirm following discussion with users that the use of a cooling blanket or cooling cot for the body is appropriate and therefore there is no requirement to have the room at 8 degrees and 25°C is acceptable Matrix amended to minimum temperature of 18°C in place of 8°C.



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
1	Technical Submittal MER-XX-SL-TS-015 appears to contradict environmental note 13 by way of radiant panel controls.	Note 13 has been deleted from the matrix and Mercury's technical submittal takes precedent.	Now updated.	x	x	✓
2	1-B1-010 medical gas cylinder store, SHTM 02-01 states internal cylinders stores may require mechanical ventilation, please confirm no ventilation provided.	Extract ventilation has been provided. Matrix updated and drawings where appropriate.	Now updated.	✓	x	✓
3	IPS room max/min temperatures stated as "Manufacturer Dependant", this is not acceptable, temperatures to be stated. Room has 3ac/h mechanical extract therefore heating type should be Adjacent space transfer air and temperatures accordingly.	Room temperatures have been added. Adjacent space transfer air added into heating type	Now updated	x	x	✓
4A	Isolation cubicles and bedrooms are not shown with any extract ventilation.	Extract rate and note added	Now updated	x	x	✓
4B	Gowning lobby, supply stated as "in line with SHPN 04" and extract stated as "To match total bedroom air volume", design development review required.	Note removed and extract rate added	Now updated	x	x	✓
5	Technical Submittal MER-XX-SL-TS-015 shows room 1-B1-057 with a radiant panel which contradicts Environmental Matrix room 1-B1-057 warm air reheat battery.	The air is heated by a heater battery which is BMS controlled as per the matrix.	No action required	x	x	✓
6	Where ventilation rates 10l/s per person are stated, room occupancy to be detailed and ventilation rates calculated.	These particular areas have been designed based on occupancies; occupancy figures and ventilation rates have been added to these areas to provide clarity.	Now updated	x	x	✓
7	1-B1-063 Stated as supply air 4ac/h, extract via en-suite, this room does not have en-suite facilities.	Room extract rate added	Now updated	x	x	✓
8	1-B1-090 has an area of 8m2 which is not stated in the matrix. PCo to populate areas.	A review will be carried out and any blank GIFA rates will be noted - Updated schedule of accommodation required for this item.	Now updated	x	x	✓
9	3-C1.2-036 review ventilation type, only showing supply when 4ac/h supply and extract.	Ventilation type note amended to incorporate extract.	Now updated	x	x	✓



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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
10	Room 1-G3-003/005/007 bathroom temperatures stated as 28 / 20 with adjacent space transfer air from area with temperatures of 28 / 18.	These bathrooms have their own radiant panel.	Now updated	x	x	✓
11	Similarly isolation bedroom 3-C1.4-040, temperatures stated as 28 / 21 with adjacent space transfer air from area with temperatures of 28 / 18, ventilation described as "balanced".	The adjacent area; Lobby 3-C1.4-039 is heated via heater battery and will be at least 21°C. Matrix has been updated.	Now updated	x	x	✓
12	3-C1.7-003, 004, 005 supply and extract "to suit location" not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	x	x	✓
13	G-D2-006 supply and extract "to suit location", statement "to suit location" is not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	x	x	✓
14	Theatre ventilation stated as "in line with SHTM 03-01", correct, this is a BCR requirement. However dental surgeries are not mentioned in SHTM 03-01, I would suggest SHPN 36 part 2. The required ventilation to be designed and detailed.	In line with the SHTM 03-01 removed and air change rates added.	Now updated	x	x	✓
15	1-H2-021 is currently labelled a single bedroom but it is an isolation room, review ventilation.	This room function was RFI'd and has been designed as an isolation room (matrix has been updated).	Now updated	x	x	✓
16	1-P1-003 and 005 are bedrooms, not bathrooms.	Bathroom changed to bedroom.	Now updated	x	x	✓
17	Kitchen states DW172 dependant, actual design detail to be added.	Design details will be noted and "DW172" will be removed.	Now updated	x	x	✓
18	Complete Estates SOA areas.	A review will be carried out and any blank GIFA rates will be noted.	Now updated	x	x	✓
19	Room B-S3-002 and 005 stated in Environmental Matrix as Adjacent Space Transfer Air, however shown with radiant panel on drawing.	Matrix will be updated with radiant panel noted.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
20	ADB code reference should be confirmed.	ADB code reference is an unnecessary column for the use of this matrix so the column will be deleted from the environmental matrix.	Now updated	x	x	✓
21	Last column not titled. What does it refer to?	This column to the IET grouping but this column has now been superseded by the categorisation document. Column will be deleted from the environmental matrix.	Now updated	x	x	✓
22	B-S3-002 & B-S4-001 can min temp be increased to 18?	Temperature will be altered to 18°C	Now updated	x	x	✓
23	Disposal hold – can min temp be reduced to 16.	Sensor could be set to 16°C rather than 18°C but the reduction to the maximum temperature from 28°C to 25°C is problematic though so if required, cooling will be need to be added - Confirmed at meeting that 28°C is to be retained.	Now updated	x	x	✓
24	During a recent PG it was made clear that due to the nature of the research being carried out in the Clinical Research Department in rooms H2-013, 014, 016 and 020 the temperature cannot at any time exceed 25°C.	Cooling has been provided in H2-014, H2-016 and H2-020. H2-013 requires cooling. Matrix has been updated to reflect this but drawing requires updating.	Environmental Matrix updated and drawing to be updated	✓	x	✓
25	Further to the recent discussion regarding hepa filtration in the isolation rooms the matrix should have been updated to reflect this.	The matrix doesn't note HEPA filter requirements but all isolation rooms have the capability of HEPA filters being installed.	No action required	x	x	✓
26	G-F1 Bedrooms with 6ac/h where most bedrooms are taken as 4ac/h.	This is a CAHMS bedroom so 6 AC/H has been utilised, reference to natural ventilation will be removed.	Now updated	x	x	✓
27	B-S4-004, no supply air.	Supply air reference will be added.	Now updated	x	x	✓
28	G-S6-016, Cooling - Yes, Cooling Type – None.	Comfort cooled fresh air is now noted.	Now updated	x	x	✓
29	G-Q1-007, Cooling – No, Cooling Type - Comfort cooled fresh air.	Cooling note removed.	Now updated	x	x	✓



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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
30	G-Q1-161, Heating type – Adjacent space transfer air, supply at 10 l/s/p positive pressure. Diagnostic rooms, "To suit location"	This room is part of corridor and shares heating and ventilation with corridor.	No action required	x	x	✓
31	G-A1-004, supply 4 ac/h extract 3 ac/h positive, different to other diagnostic rooms.	We have treated this room like an office.	No action required	x	x	✓
32	Confirm where natural ventilation, i.e. 1-B1-063/065/067.	Extent of ventilation clarified on schedule.	Now updated	x	x	✓
33	3-C1.3-018, supply 4 ac/h extract 3 ac/h positive , different to other offices.	Air change rates utilised are in line with cellular offices	No action required	x	x	✓
34	1-L1-005 Resus area 30m2 with extract at 3 ac/h.	This room has been updated on the matrix.	Now updated	x	x	✓
35	G-A1-028/029, Resus area with central general extract with supply at 10 ac/h extract at 6 ac/h.	Ventilation type for these rooms has been updated in line with design.	Now updated	x	x	✓
36	Consider absence detection to all offices, meeting rooms and node rooms.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a a general note, automatic detection has been used in all suitable areas.	No action required	x	x	✓
37	1-D3-002 Circulation Equipment Storage Bays, all others are presence detection.	Automatic controls added.	Now updated	x	x	✓
38	Disposal hold, LG2 recommends 200 lux.	100 lux will be changed to 200 lux.	Now updated	x	x	✓
39	IPS rooms normal lux stated as n/a.	200 lux will be added to the matrix.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
40	G-F1-028, 030, 053, 045 and 1-L1-028 are described as offices but have local lux of 1000.	Local lux figures to be removed.	Now updated	x	x	✓
41	Anaesthetic rooms, LG2 recommends local lux 1000 and Ra 80.	Ra 80 has been noted in the environmental matrix and 1000 lux is for local lighting but 500 lux is for general; all as noted in the environmental matrix.	No action required	x	x	✓
42	Theatre exit bays (transfers), LG2 recommends normal lux 300 local lux not required and Ra 80.	500 lux will be dropped to 300 lux, Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
43	Preparation rooms and scrub up, LG2 does not require local lux 10,000 – 100,000, or Ra 90.	Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
44	Theatre utility rooms, LG2 recommends local lux 100 – 150 and does not require local lux 10,000 – 100,000, or Ra 90.	500 lux will be dropped to 150 lux, RA 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
45	Recovery areas, LG2 does not require local lux 1000 but does recommend Ra90.	RA 80 will be increased to Ra 90 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
46	Nurse/touchdown bases not shown to have night lighting, confirm this achieved by dimming.	All night lighting is achieved by dimmable fittings.	No action required	x	x	✓
47	Resus trolley bay 1-D1-009 to be as other trolley bays, Ra 80 and presence detection.	1-D1-009 will be updated to reflect other trolley bays.	To be updated	x	x	✓
48	Review colour rendering, e.g. theatre suite, prep, anaesthetic, scrub utility, exit bay all Ra 80. Review consult/ examination rooms to have the higher colour rendering of Ra 90. All to be as CIBSE LG2.	RA 90 is currently shown in theatres, preparation rooms, scrub rooms, utility rooms and exit bay. Anaesthetic room will be changed to Ra90 from Ra80. We feel that the consultant room are general treatment rooms so should remain as Ra80; where Ra90 is required, it will be achieved via the examination luminaire.	Environmental Matrix updated and drawings to be updated	✓	x	✓
49	No absence detection or daylight control detailed included from drawings.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a a general note, automatic detection has been used in all suitable areas.	No action required	x	x	✓



Wallace Whittle

NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
50	Medical location column states "See Guidance Notes" for every entry and not mentioned in those guidance notes.	This has been superseded by the risk profile document which sets out the medical grouping and classification. Column has been removed.	Now updated	x	x	✓

Environmental Matrix - Guidance Notes

- 1 This workbook is prepared for the Financial Close Stage as an easier reference tool to replace ADB RDS M&E Sheets, for the Environmental Criteria elements as described on these sheets.
- 2 The services matrices are produced from the Schedule of Accommodation Sheets.
- 3 The design of the HVAC systems to the theatres shall be in accordance with SHTM 03-01.
- 4 Where radiant panels are indicated in any room in these matrices, detailed design development may remove the need for these without detriment to environmental temperature. This design development is dependent on actual room layout - i.e. whether a room is located adjacent to an external wall, ground bearing floor, roof surface or is internal.
- 5 Ventilation air change rates and the use of natural ventilation in Patient Areas shall be reviewed throughout the detail design process to ensure a maximum internal temperature of 25°C (dry bulb) is not exceeded during normal occupancy. This criteria shall also apply to cellular and open plan office spaces.
- 6 Maximum internal temperatures listed relate to normal occupancy and Summer Design Conditions. External Summer Conditions for Cooling Plant Selection as per SHTM2025, Enthalpy 54kJ/kgda, 26deg Cdb, 19deg C wb. External Water Conditions as per CIBSE Guide A Table A.2.2 for locality = -6°C for Heat Losses, and as SHTM 2025 for locality = -10°C for AHU Ventilation Plant design.
- 7 Examination lamp notes where listed are provisional. Detailed requirements (fixed, mobile, illumination) will be detailed on C sheets as agreed from signed off 1:50 RDS, which shall take precedence over this schedule.
- 8 All lighting levels are derived from CIBSE Lighting Guide LG2.
- 9 Colour rendering refers to CIBSE Lighting Design Guide and will be applied throughout.
 - *60* - Normal
 - *90* - Enhanced to provide close as possible match to natural light for clinical purposes
- 10 Thermostatic Mixing Devices - SHTM 04-01 Guidance shall be employed for specific TRV Type versus listed Area/Activity.
- 11 Standby Lighting to be Grade A throughout.
- 12 The internal temperature in naturally or mechanically ventilated rooms shall not exceed the maximum temperature as listed on these Environmental Matrices provided external summer design criteria is not exceeded.
- 13 Note Deleted
- 14 Local Control BMS Temperature Sensors for ducted reheat zones and chilled water cassettes for hotspots shall be provided with local range adjustment to +/- 2°C of BMS Set Point. BMS set point shall be adjustable via operator/user dialogue through formal FM.
- 15 **Typical bedroom** - Design Criteria - SHTM 03-01 Clause 2.11 - internal temperatures in patient areas should not exceed 28°C db for more than 50 hrs per year. Appendix 1 SHTM 03-01 gives 18°C to 28°C fical range. NHSL however require that the maximum internal design temperature should not exceed 25°C for more than 50 hrs per year.

HU bed areas - Design Criteria - HBN 57 gives specific guidance as well as SHIM 03-01 - Appendix 1 for air change rates - 10ac/hr Supply, 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the internal maximum and minimum range conditions)

The department will be comfort cooled and controlled on a zonal basis.

Central AHU to be provided with blank section for future provision of humidification.

Poa theatre recovery areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 15ac/hr S&E, 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions)

Critical Care areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 10ac/hr Supply for isolation cubicles, 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions). NHSL may require specific rooms to have a control range up to 28°C.

Central AHU to be provided with blank section for future provision of humidification.
- 16 **Corridor** ventilation may be either mechanical or where the opportunity exists natural. To be determined during detailed design with due regard to clinical functionality.
- 17 **Single Room WC** - SHTM 03-01 Appendix 1 suggests 3ac/hr extract air change rate only. We have applied 10ac/hr extract rate to provide a more robust rate of extract.
- 18 **Diagnostic Rooms** - (X Ray, CT Scanner, MRI Scanners, Gamma Camera) - air change rates listed at 8ac/hr. Actual air change rate must be derived through room heat gain analysis and actual equipment guidance.
- 19 **Operating Theatre Laminar Flow/UCV Requirements** - Refer to Operational Policy Documents for specific theatres which require Laminar Flow/UCV canopy style ventilation solution.

Central AHU to be provided with blank section for future provision of humidification.

Operating Theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged on the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation.
- 20 **Small workshop Areas** - Local Extract Ventilation (LEV) unit requirement to be determined from room equipment schedules.
- 21 **Note that Isolation Suite ventilation solutions for this project shall follow HBN 4 Supplement 1 Section 4 Item 4.6 Guidance i.e.**

A common departmental AHU shall be employed to provide supply air ventilation (and shall therefore employ duty & standby fans).

Isolation Rooms En Suite Extracts shall be provided with an independent Isolation Room toilet extract ventilation system.

Isolation Rooms En Suite Extracts shall be provided with either externally located 3 mtr high discharge stack in a safe location or with extract filters (H14) within a safe change housing outside the building on the suction side of the fan.

Heating & Cooling the Isolation Suites shall be provided via the ventilation system.
- 22 **Retail Provision** - Service provisions listed are Infrastructure only for future fit-out by retailer. (Fire detection shall be provided to assist completion).
- 23 **Comfort Cooled Fresh Air** - Where noted as such on the matrix, these are provided via departmental air handling plant via chilled water cooling coils.
- 24 **Body View Room** - A cooling blanket or cooling cot shall be used in this room.
- 25 Anti ligature rooms (17no. off) will be treated as sealed rooms with Supply at 6ac/hr and Extract to match to achieve a balanced pressure.
- 26 **Single Bedroom** - The design philosophy for ventilation is for a mixed mode operation where natural vent is encouraged which has benefits both physiological with users being partly in control, and from an energy stand point where mechanical vent loading is partly reduced (23rds). This strategy results in zero pressure differential regime within the room where supply and extract is balanced. En suite dirty extract volume flow rate has been increased to achieve a balanced ventilation system.

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	MR (ratio)	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane
G-A1-002	Emergency Department	Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	3	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-003		Store - Medical Gas Cylinders	1	Storage Area Med Gas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	3	6	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-004		Processing Room	1	Diagnosic room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-A1-005		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-006		General X-Ray Room	1	Diagnosic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ry Sensor	Central Supply and Extract	4	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-A1-007		Styly Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-008		Washroom - Nurses	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-009		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-010		Laboratory - Near Patient Testing / Status	1	Laboratory	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-A1-011		Linen Bay (1 Trolley)	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	n/a	n/a	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-012		Treatment Room 5: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-013		Treatment Room 10: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-014		Treatment Room 6: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-015		Treatment Room 11: Dual Access (Mental Health)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-016		Staff & Communication Base	1	Reception	28	18	Radiant Panels	Remote Sensor Ad.	No	None	None	0	0	n/a	n/a	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-017		Store - Dispensing Drugs	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-018		Treatment Room 7: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-019		Treatment Room 12: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-020		Treatment Room 8: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-021		Treatment Room 13: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-022		Treatment Room 9: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-023		Supplies Base	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-025		Treatment Room 14: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-026		Main Entrance Draught Lobby	1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-028		Resuscitation Room - 2 junior	1	Resuscitation Bay	30	18	Radiant Panels	None	Yes	Hot Mechanical Unit	Central Supply and General Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-029		Resuscitation Room - 2 junior	1	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Hot Mechanical Unit	Central Supply and General Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-030		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-031		Body Viewing Room	1	Body View	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Negative	F7	43	n/a	100	n/a	None	A	80	Switch / Dimmer	Floor 0m
G-A1-032		Sitting Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	5	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-A1-033		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-034		Store - Major Incident / Ambulance Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-035		Trage Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Hot Mechanical Unit	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-036		Reception/2 staff	1	Reception	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	3	0	Negative	G4	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-037		Parking Bay: 6 wheelchairs	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-038		Main Entrance Draught Lobby	1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-039		Parking Bay: 3 assistant trolleys & 2 wheelchairs	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-040		Store - Equipment & Supplies	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-041		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-042		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-043		Female Staff Changing and Lockers: 20 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-044		Staff Shower: ambulant	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-045		Waiting Area inc Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-A1-046		Baby infant / Feeding Room	1	Nappy Feeding	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-047		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-048		Male Staff Changing Room and Lockers: 20 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-049		Staff Shower: ambulant	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-050		Consultant Office (Assistant)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-052		Shift Manager's Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-053		Interviewing Room: 8 persons	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (6ac/h)	6 people at 10 l/s per person (6ac/h)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-054		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	100	n/a	None	A	80	Switch	Floor 0m
G-A1-055		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-056		OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	City	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-A1-057		Medical Staff / Assist / Any Office (5 Person)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-058		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	61	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-059		Stores - Stock & Sterile Supplies	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-060		Treatment Room 3: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-061		Treatment Room 4: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-062		Treatment Room 2: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-063		Partry - Staff / Patient	1	Partry	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-A1-064		Treatment Room: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-065		Stores - Plaster	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-066		Plaster Suite (2 bays)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	7	1	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-A1-067		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A1-068		Stores - Dry Bay	1	Stores - Dry Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	3	3	None	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-002		Single Bedroom 15 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-003		En-suite wheelchair-accessible WC Shower & wash	14	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-004		Single Bedroom 19 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-005		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-006		Single Bedroom 16 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-007		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-008		Reception/Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply Air	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-009		Single Bedroom 25 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-010		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-011		Touchdown Base 4	4	staff base	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central Supply and Extract	2 people at 10/100 per person (11bays)	2 people at 10/100 per person (11bays)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-012		Single Bedroom 17 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-013		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-014		Single Bedroom 21 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-015		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-016		Renovation Trolley Bay	1	Renaux Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-017		Single Bedroom 18 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-018		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-019		Single Bedroom 22 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-020		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-021		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-A2-022		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-023		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-024		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-025		Linen Bay (1 Trolley)	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-026		Touchdown Base 3	1	staff base	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Central Supply and Extract	2 people at 10/100 per person (11bays)	2 people at 10/100 per person (11bays)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-A2-027		Hold Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-028		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Act.	Yes	Chilling Cassette-Chilled Water	Natural and Central Supply Air	4	via ensuite	possible to ensuite	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-029		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-030		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-031		Single Bedroom 14 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-032		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-033		Single Bedroom 13 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-034		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-035		Single Bedroom 12 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-036		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-037		Single Bedroom 11 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
G-A2-038		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-039		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A2-040		Dining / Play Room	1	Common room staff rooms/lounge	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-A2-041		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	8	Negative	None	n/a	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (pressure)	Ceiling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Airflow	Surface temp	Water temp	Humid. (gr)	Height (m)	Local lux	Standby grade	Colour render	Control	Plane
G-A2-042	Paediatric Acute Receiving Unit - 3rd Base	Single Bedroom 10 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-043		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-044		Single Bedroom 9 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-045		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-046		4 Bed Room	1	Multi-bed Wards	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-047		WC Accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-048		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-049		Touchdown Base 3	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-050		Single Bedroom 8 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-051		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-052		Single Bedroom 7 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-053		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-054		4 Bed Room	1	Multi-bed Wards	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-055		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-056		WC Accessible	1	Toilet	26	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-058		Single Bedroom 6 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-059		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-060		Single Bedroom 5 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-061		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-062		WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-063		Linen Bay (1 Trolley)	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-064		Store - Equipment	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-065		Single Bedroom 4 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-066		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-067		Single Bedroom 3 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-068		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-069		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (10ac/h)	2 people at 10 l/s per person (10ac/h)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-070		Single Bedroom 2 (RHSC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-071		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-072		Single Bedroom 1 (RHSC)	1	Bedroom	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	10	10 via air ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-073		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-074		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	26	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	40	0	Positive	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-075		Store - General	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-076		Patients Assisted Bathroom	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-077	Multi-Occupancy Office	1	Multi Occupancy Work Area	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-078	Ward Management Office	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	43	n/a	450	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-079	100 C&D Unmanned Office (2 Person)	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-080	DSR1	1	DSR	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	3	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A2-081	Central Unmanned Office (2 Person)	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-082	Disposal Hold	1	Disposal Hold	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Switch / Dimmer	Floor 0m	
G-A2-083	Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (10ac/h)	8 people at 10 l/s per person (10ac/h)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-084	Dirty Utility	1	Dirty Utility	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-A3-001	FARU / Emergency / Radiology Shared Support	Staff Room	1	Common room/staff room/lounge	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-A3-002		Seminars & Training Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	25 people at 10 l/s per person (10ac/h)	22 people at 10 l/s per person (9ac/h)	Balanced	17	43	n/a	500	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A3-003		Meeting / Case Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	25 people at 10 l/s per person (10ac/h)	20 people at 10 l/s per person (10ac/h)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-B1-007		Retrieval Equipment Store	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-B1-005		Staff Room	1	Common room/staff room/lounge	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
I-B1-004		Ward Management Office	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	43	n/a	450	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-B1-006		WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-B1-008		WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-B1-007		Equipment Service Room	1	Small Workshop	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
I-B1-008		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (gross)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-81-009	B1 ICU and HDU's - 24 Beds	Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	0	positive to outside	F7	43	41	100	5	300	A	80	switch/dimmer	Bed / Trolley 1.45m
1-81-010		Gen. Eye/Site Room	1	Storage Area Med Gas	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	7	negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-011		Multidisciplinary Work Area PCU	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	4	Positive	F7	43	n/a	400	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-012		Staff Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-014		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-015		Goosing Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	54	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-016		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-017		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-018		Goosing Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	55	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-019		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-020		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-021		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-023		Staff Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-024		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	3	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-025		Goosing Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	62	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-026		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-027		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-81-028		Bed/Patient Chair / Buggy Storage	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-029		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-030		Linens Bay (1 Trolley)	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	3	Negative	None	43	n/a	100 (120)	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-031		Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	0	positive to outside	F7	43	41	100	5	300	A	80	switch/dimmer	Bed / Trolley 1.45m
1-81-032		Patients' Assisted Bathroom	1	Bathroom	28	20	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-033		Goosing Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	43	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-034		Linens Bay (1 Trolley)	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	3	Negative	None	43	n/a	100 (120)	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-035		Hotel Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-036		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-037		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-81-038		Staff Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-039		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-041		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-81-042		Multidisciplinary Work Area HDU	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	4	Positive	F7	43	n/a	400	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-043		Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-81-044		IPS Room	1	IPS Room	30	None	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-045		Quest / Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Hot Movement Unit	Central Supply and Extract	4 people at 10 l/s per person (7d/s)	4 people at 10 l/s per person (7d/s)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-046		Store - Equipment	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-047		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (7d/s)	5 people at 10 l/s per person (7d/s)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-048		On call consultant	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-049		Rehearsal Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Hot Movement Unit	Central Supply and Extract	8	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-050		Bulk Supplies Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-051		Data Manager & Systematic Office (2 person)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-052		Waiting Area (Visitors)	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-81-056		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-057		X-Ray Processing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Automatic Controls	General working plane 1m
1-81-058		Mobile X-Ray Ultrasound Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-059		Cardiac Echo/EKG Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-81-060		Seminar Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7d/s)	10 people at 10 l/s per person (7d/s)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-81-061	Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-81-062	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-81-063	Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0.5	positive	F7	43	41	100	5	300	A	80	switch/dimmer	Bed / Trolley 1.45m	
1-81-064	Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-81-065	Open Plan Bay (3 units)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	positive to outside	F7	43	41	100	5	300	A	80	switch/dimmer	Bed / Trolley 1.45m	
1-81-066	Clean Utility (New-Nata)	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (press)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative Humidity	Min. Stratification	Surface Temp	Water Temp	Normal Lux	Height Lux	Local Lux	Standby grade	Colour render	Control	Plane
1-B1-067		Gen. Offices Area	1	Storage Area Med Gen	25	16	Adjacent Space Transfer Air	Remote Sensor Adj	No	None	General Central Extract	0	6	Pos	None	42	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-B1-068		Baby Infant / Feeding Room	1	Baby Feeding	25	18	Radiant Panels	Remote Sensor Adj	Yes	Warm Unmixed Air	Central Dry Extract	0	0	Negative	None	42	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-069		Staff Store	1	Cellular / Ward Office	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-071		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	25	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-072		Ward Reception Area & Store	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	General Central Extract	0	0	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-073		Party / Mill Store	1	Party	25	16	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	71	42	41	300	n/a	None	A	80	Switch	Floor 0m
1-B1-074		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-075		Single Cot Cubicle	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	71	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-B1-077		DSR	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-078		Relative Overnight Stay Room	1	Relatives Overnight Stay	25	20	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	71	42	41	100	n/a	None	A	80	Switch	Bed / Trolley 1.45m
1-B1-079		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-080		WC - Relatives	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-082		Relative Overnight Stay Room	1	Relatives Overnight Stay	25	20	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	71	42	41	100	n/a	None	A	80	Switch	Bed / Trolley 1.45m
1-B1-083		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-084		Relative Sitting Room	1	Common non-staff room/lounge	25	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	0	0	Negative	71	42	41	200	n/a	None	A	80	Switch	Floor 0m
1-B1-090		Equipment Cleaning	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-002		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-003		Ward Medication Office	1	Cellular / Ward Office	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-004		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	25	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	71	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-005		Isolation Bedroom (RHSC)	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-006		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	25	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-007		Heist Bay	1	Circulation Equipment Storage Bays	25	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Pos	None	42	n/a	250	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-008		Sitting Room / Lounge	1	Common non-staff room/lounge	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	71	42	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-1-009		Single Bedroom (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	71	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-010		En-suite trolley shower	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-011		Touchdown Base	1	Staff base	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 100 l/s per person (Bach)	1 person at 10 l/s per person (Bach)	Balanced	71	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-012		Resuscitation Trolley Bay	1	Resus Trolley Bay	25	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Pos	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-013		Single Bedroom (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	71	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-014		En-suite trolley shower	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-015		Single Bedroom (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	71	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-016		En-suite trolley shower	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-017		DSR	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-018		4 Bed Room	1	Multi-bed Ward	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	0	Pos	71	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-019		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-020		WC Accessible	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-021		Living / Play Room	1	Eating/Drinking	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8 people at 10 l/s per person (Bach)	8 people at 10 l/s per person (Bach)	Balanced	71	42	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-1-022		Store - Equipment	1	Storage Area Equipment	25	16	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-023		Ward Kitchen	1	Ward Kitchen	25	18	Adjacent Space Transfer Air	Remote Sensor Adj	Yes	Ceiling Cassette-Chilled Water	Central General Extract	0	6	Negative	n/a	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-1-024		Linens Bay (1 Trolley)	1	Linens Bay	25	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Pos	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-025		Store - General	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-026		WC - Staff	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-027		WC - Staff	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-028		Disposal Hold	1	Disposal Hold	25	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-029		Mobile X-Ray/Resound Bay	1	Circulation Equipment Storage Bays	25	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-030		Multi-disciplinary Office	1	Multi Disciplinary Work Areas	25	19	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-031		Reception / Staff Base	1	Reception	25	18	Radiant Panels	Remote Sensor Adj	Yes	Warm Unmixed Air	Central Supply Air	0	0	Positive	71	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-032		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	25	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-033		Single Isolation Bedroom	1	Isolation Bedroom	25	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	71	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-034		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-035		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	25	18	Warm Air - Reheat Battery	Local / Staff Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	28	0	Positive	71	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-036		Single Isolation Bedroom	1	Isolation Bedroom	25	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	71	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-037		En-suite wheelchair-accessible WC Shower & wash	1	Bathroom	25	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. filtration	Surface temp	Water Temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-1-038		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-039		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / EMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	50	0	Positive	17.6	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-040		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	EMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	17.6	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-041		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-042		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	17	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-1-043		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	12	0	Positive	17	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-1-044		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-045		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	0	Positive	17	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-1-046		4 Bed Room	1	Multi-bed Wards	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	10 via ensuite	Positive to ensuite	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-047		WC Accessible	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-048		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-049		Patients/ Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-050		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-051		Touchdown Base	1	staff base	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-052		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-053		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-054		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-056		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-056		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-057		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-058		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-059		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-060		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-061		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-062		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-063		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-064		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-065		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-066		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-067		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-068		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-070		WC - Visitors	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-002		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-003		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-004		Linen Bay (1 Trolley)	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	100/100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-005		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-006		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-007		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-008		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-009		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-2-010		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-011		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-012		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-013		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-014		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-015		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-016		Hotel Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-017		Patients/ Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-018		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-019		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-020		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10 via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-021		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (present)	Cooling Type	Ventilation Type	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. stratification	Surface temp	Water temp	Normal lux	Night lux	Local lux	Shandry grade	Colour number	Control	Plane			
3-C1-2-021	C1.3	Surgical Long Stay Inpatients - 15 Beds	Touchdown Base	1	staff base	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	0.7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C1-2-023			4 Bed Room	1	Multi-Bed Wards	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	0.1	43	41	100	5	300	A	80	Automatic Controls	Bed / Tray / 1.45m		
3-C1-2-024			WC Accessible	1	Toilet	23	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-025			WC	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-026			4 Bed Room	1	Multi-Bed Wards	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m		
3-C1-2-027			WC Accessible	2	Toilet	23	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-028			Nurse Assessment Office	1	Callular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-2-029			Resuscitation Trolley Bay	1	Resus Trolley Bay	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-030			Store - Equipment	1	Storage Area Equipment	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-031			Clean Utility	1	Clean Utility	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	0.7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m		
3-C1-2-032			Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	0.7	43	41	300	n/a	1500	A	90	Switch	Bed / Tray / 1.45m		
3-C1-2-033			Dining / Plan Room	1	Eating/Drinking	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (Each)	5 people at 10 l/s per person (Each)	Balanced	0.7	43	41	300	n/a	None	A	80	Switch	Floor 0m		
3-C1-2-034			Ward Kitchen	1	Ward Kitchen	23	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	0	Negative	None	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m		
3-C1-2-035			Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	0.7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-2-036			Reception / Staff Base	1	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	0.7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-2-037			Discharge Lounge	1	Common room staff lounge	23	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	0.1	43	n/a	300	n/a	None	A	80	Switch	Floor 0m		
3-C1-2-038			Disposal Hood	1	Disposal Hood	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-039			Store - General	1	Storage Area Equipment	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-040			WC - Staff	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-041			WC - Visitors	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-2-042			Touchdown Base	1	Staff base	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	0.7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C1-2-043			Multi-Occupancy Office	1	Multi-Occupancy Work Area	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	0.7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-2-044			WC - Staff	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-3-002			C1.3	Neuroscience Inpatients - 12 Beds	Waiting Area	1	Waiting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	0.7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
3-C1-3-003					Reception / Staff Base	1	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Multi-Minimal VAV	Central Supply Air	0	0	Positive	0.7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-004					WC Accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-005					Store - Equipment	1	Storage Area Equipment	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-006					Touchdown Base	1	Staff base	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	0.7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-3-007					Isolation Bedroom Entrance Lobby	1	Isolation Lobby	23	18	Warm Air - Reheat Adjustable	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	54	0	Positive	0.14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-008					Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	23	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	0.14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
3-C1-3-009					En-suite wheelchair accessible WC, Shower & wash tub	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	43	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-010					En-suite	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-011					4 Bed Room	1	Multi-Bed Wards	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
3-C1-3-012					Wardroom	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-013					4 Bed Room	1	Multi-Bed Wards	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
3-C1-3-014					En-suite	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-015					Resuscitation Trolley Bay	1	Resus Trolley Bay	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-016					Linens Bay	1	Linens Bay	23	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-017					Store - General	1	Storage Area Equipment	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-018					Multi-Occupancy Office	1	Multi-Occupancy Work Area	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	0.7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-019					Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	0.7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-020					Nurse Assessment Office	1	Callular / Ward Office	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-021					WC - Staff	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-022	WC - Staff	1			Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-3-023	WC - Visitors	1			Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-3-024	Specialist Room	1			Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	0.7	43	41	300	n/a	1500	A	80	Switch	Bed / Tray / 1.45m		
3-C1-3-025	Rehabilitation Room	1			Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	0.7	43	41	300	n/a	1500	A	80	Switch	Bed / Tray / 1.45m		
3-C1-3-026	Hair Bay	1			Circulation Equipment Storage Bays	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-3-027	Touchdown Base	1			Staff base	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	0.7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C1-3-028	Single Bedroom (RHSC)	1			Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m		
3-C1-3-029	En-suite wheelchair accessible WC, Shower & wash	1			Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-3-030	Single Bedroom (RHSC)	1			Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m		

Room No.	Department	Room Name	City	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-3-021		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-022		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-3-033		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-034		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-3-035		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-036		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-037		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	FF	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-3-038		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	FF	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-3-039		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6 people at 10 l/s per person (Each)	6 people at 10 l/s per person (Each)	Balanced	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-3-040		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-041	Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-002	Haematology / Oncology Inpatients & CT 1	Guest Study Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-004		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-005		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-006		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central/General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-007		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-008		Complementary Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-C1-4-009		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	via ensuite 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-010		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-011		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-012		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-013		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-014		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	via ensuite 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-015		Kitchen/Lounge/Social Space	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-4-016		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-017		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-018		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-019		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-021		Host Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-022		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-023		Pharmacy Base	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-C1-4-024		Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-025		Medical Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-026		Concours (Open 9-5pm)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-027		Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central/General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-028		Research Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-029		Nursing Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-030		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-032		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-033		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	via ensuite 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-034		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-035		Linen Bay (1 Trolley)	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 / 1000	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-036		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-037		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-038		Treatment / Clean Utility	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	FF	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-4-039		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	21	Warm Air - Radiant Ceiling	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	n/a	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-040		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air - Radiant Ceiling	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	n/a	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-041		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-042		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-043		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air - Radiant Ceiling	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	n/a	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-4-044		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Ceiling	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	64	0	Positive	n/a	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-045	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	

Room No.	Department	Room Name	Qty	Room Function	Temp (min)	Temp (max)	Heating Type	Heating Control	Cooling (present)	Conditioning (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative Humidity	Min. Stratification	Surface Temp	Water Temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane	
3-C1-4-046	Nurses - 17 Beds & 2 Chairs	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-047		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-048		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	63	0	Positive	714	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-049		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	714	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-050		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-051		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-052		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	714	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-053		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	714	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-054		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	via ensuite	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-055		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-056		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-057		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-058		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-059		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-060		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-061		Multi-Bed Room - day care, 4 beds & 2 chairs	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-062		En-Suite Multi Bedroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-063		Play Room	1	Common room/staff room/bounge	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-4-064		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	6	Negative	None	n/a	90	500	n/a	None	A	80	Switch	General working plane 1m	
3-C1-4-065		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	via	Central Cooled Fresh Air	Central Supply Air	19	5	Positive	77	43	41	100	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
3-C1-4-066		Clean utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Ad.	via	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-C1-4-067		WC	1	toilet	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-068		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-4-069		Intensive Care Unit	1	Intensive Care Unit	28	18	Radiant Panels	Remote Sensor Ad.	via	Central Cooled Fresh Air	Central Supply Air	5	5	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-070		Isolation Bedroom & Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	66	0	Positive	714	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-071		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	714	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-072		En-suite wheelchair accessible WC, Shower & wash (30.5)	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-073		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-074		En-suite wheelchair accessible WC, Shower & wash Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-075		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-076		En-suite wheelchair accessible WC, Shower & wash Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-077		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	via	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
3-C1-4-078	En-suite wheelchair accessible WC, Shower & wash Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-4-079	Common Room 4	1	staff room	28	18	Radiant Panels	Remote Sensor Ad.	via	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10000 person factor	1 person at 10000 person factor	Balanced	77	n/a	n/a	200/200	n/a	None	A	72	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C1-4-080	Reception (EP)	1	Reception	28	18	Induction Heating	Remote Sensor Ad.	via	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-4-081	City Lobby	1	City Lobby	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-4-082	Multi-Bed Day Room/day care	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Ad.	via	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	Positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m		
3-C1-4-083	En-Suite Multi Bedroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Ad.	via	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-4-084	Storage Area Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-4-085	Consultation	1	Consulting Room	28	18	Radiant Panels	Remote Sensor Ad.	via	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Balanced	77	43	41	100	n/a	1000	A	80	Switch	Bed / Traylay 1.45m		
3-C1-4-086	Reception	1	Reception	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	41	200	n/a	None	A	80	Switch	Floor 0m		
3-C1-5-002	Med / Surg / Neuro / Haemo Shared Support	Store - back up clothing	1	Storage Area Equipment	28	18	Storage Area Equipment	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-003		Family Sitting Room	1	Common room/staff room/bounge	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-5-004		Baby Ward / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-005		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-006		Breast Pump Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-007		WC Wheelchair Accessible	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-008		WC Wheelchair Accessible	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-6-001		Adolescent Shared Accommodation	Dining / Recreation Room	1	Common room/staff room/bounge	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-6-002	Guest Room / Study		1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-7-002	EEO Flow Room		1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-7-003	Paediatric	EEO Recalling Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	6	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	

Room No.	Department	Room Name	Qty	Room Function	Temp (min)	Temp (max)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (Type)	Supply (lit/s)	Extract (lit/s)	Relative pressure	Min. filtration	Surface temp	Water Temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-7-004	Neurophysiology	EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
3-C1-7-005		Evoked Potential Recording Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
3-C1-8-002	C1.8 England Short Stay Hospital - 14 Beds	Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-003		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-005		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	F7	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-8-006		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-007		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-008		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-009		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (Each)	5 people at 10 l/s per person (Each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-8-010		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-8-011		Reception Desk/Staff Base	1	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply Air	3	3	Positive	F7	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-8-012		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-013		Store - General	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-014		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-8-015		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-C1-8-016		4 Bed Room	1	Multi-bed Wards	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via extract	positive to extract	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-8-017		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-018		WC Wheelchair Accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-019		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-8-020		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-021		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	F7	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-8-022		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-023		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	F7	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-8-024		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-025		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via extract	Balanced	F7	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-8-026		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-027		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via extract	positive to extract	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-8-028		WC Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-029		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-030		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via extract	Balanced	F7	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-8-031		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-032		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via extract	Balanced	F7	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-8-033		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	via extract 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-034		Linen Bay (1 Trolley)	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (1000)	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-035		Patient's Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-8-036	Store - Equipment	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-037	Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-8-040	Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C2-003	C2 Wards Support Areas	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C2-004		Seminar Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (Each)	10 people at 10 l/s per person (Each)	Balanced	F7	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C2-005		Staff Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	42	41	300	n/a	None	A	80	Switch	Floor 0m
3-C3-006	C3 Special Feeds Unit	En-suite Shower	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C3-002		Food Prep Area	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C3-003		Wash Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C3-004		Office - new Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Balanced	F7	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C3-005		Store - Feeds	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-002	C4 Sleep Lab	Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-003		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C4-005		Sleep Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	F7	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C4-006		Parents Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	positive to extract	F7	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C4-007		Control Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Extract	0	2	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C4-008		Sleep Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	F7	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. stratification	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane	
3-C4-009	C5	Parents Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive to outside	0	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C4-010		En suite wheelchair accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-002		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-003		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-004		Primary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	7 people at 10 l/s per person (Each)	7 people at 10 l/s per person (Each)	Balanced	04	43	43	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-C5-006		Upper Primary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	7 people at 10 l/s per person (Each)	7 people at 10 l/s per person (Each)	Balanced	04	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-C5-006		Secondary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	11 people at 10 l/s per person (Each)	11 people at 10 l/s per person (Each)	Balanced	04	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-C5-007		Workstation Area	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	04	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-C5-008		Resource Storage	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-009	WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-D1-001	RHSC Main Outpatients Department	DSR	1	DSR	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	40	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-002		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-003		Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	07	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-004		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 (JAN)	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-005		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	07	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-008		Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply Air	10	0	Positive	07	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-009		Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Bed / Trolley 1.45m	
1-D1-010		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-011		WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-012		Shower Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-013		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	03	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1.1m	
1-D1-014		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-015		Play Therapy (the messy play) Room	1	Common room/all room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Negative	0	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-D1-016		Consult/Exam/Disiplinary	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-017		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-018		Consult/Examination (Ophthalmology)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-019		Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-020		Consult/Examination (Cleft)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-021		Consult/Examination (Cleft)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-022		Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-023		Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-025		Physio Assessment	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-026		Infant Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-027		Sub Waiting Area (incl supervised play) with Nurse Base	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D1-028		Sub Waiting Area	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D1-029		Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-030		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-031		Equipment / General Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-032		WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-033		Physiotherapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-034		Mobile Hold Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-035		Disposal Room	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-036		Physio Assessment	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	CEILING CASSETTE-Cooled Water	Central Supply and Extract	3	3	Balanced	0	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-037		Reception	1	Reception	28	18	Underfloor Heating	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10 people at 10 l/s per person (Each)	10 people at 10 l/s per person (Each)	Balanced	0	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D1-038		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-001		G1	Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-002			Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-003			WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-004			Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-005			Store Room	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-006			Disposal Room	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. Strat.	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane		
G-01-007		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
G-01-008		Fluoride Suite (3 bays)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	43	41	200	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-009		Store: Fluoride	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-01-010		Orthotics Workshop	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	4	6	Negative	77	43	41	200	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
G-01-011		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-012		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-013		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-014		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-015		Physical Measurements	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-016		Consult/Examination (Child Protection)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-019		Equipment / General Store	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-01-020		Phlebology Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-021		Child Protection Rooms	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-022		Mobile Host Bay	1	Circulation Equipment Storage Bays	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	None	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-023		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-01-024		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	Comfort Cooled Fresh Air	Central Dirty Extract	0	8	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 0m		
G-01-025		Physical Measurements	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-026		Specimen Disabled WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-01-027		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-028		Infant Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-029		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-01-030		Linon Bay (1 Trolley)	1	Linon Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-031		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m		
G-01-032		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-033		Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m		
G-01-034		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-035		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-036		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-037		Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Chilled Water	Central Supply and Extract	10 people at 10 to 12 per person area	10 people at 10 to 12 per person area	0	0	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-038		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-039		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-040		Consult/Multi-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	5	4	Positive	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-01-041		Outpatients Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-01-042		Shower Room	1	Bathroom	28	20	Powered Floor	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
G-02-001		Cardiology & Respiratory	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-02-002			Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-02-004			WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-02-005			Exercise Room/Lung Function Laboratory	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	0	Normal	77	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-02-006			Echocardiography Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	5	6	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-02-007			DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-02-008			Store Equipment	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-02-009			ECG Procedure Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	0	Normal	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-02-010	Admin Office		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-02-012	Domiciliary Sleep Studies		1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	0	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-02-013	Lung Function Laboratory		1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Chilling Cassette Chilled Water	Central Supply and Extract	5	0	Balanced	77	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m		
G-02-014	Exercise Tolerance Test Room		1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	0	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
G-02-015	Physical Measurements		1	Consulting Room	25	18	Adjacent Space Transfer Air	None	Yes	None	None	None	0	6	Negative	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-001	Orthopedics		Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-03-002			Parking Bay: pushchairs	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-03-003		WC & handwash: specimen, wheelchair	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-03-004		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m		
1-03-005		Examination Room: Fields test	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Mn filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans	
1-03-006		C/E Orthopic (6 make room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	F7	43	41	200	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-03-007		C/E Orthopic (6 make room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	F7	43	41	200	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-03-008		C/E Orthopic (6 make room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	F7	43	41	200	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-03-009		C/E Orthopic (6 make room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	F7	43	41	200	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-04-001	D4	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor Dem	
1-04-002		ABR Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-04-003		Test Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-04-004		Wound Care Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-04-005		Testing/Clinic Rooms	1	Consulting Room	25	18	Warm Air / Remote Sensor	RAM Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-04-006		Obs/Control	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-04-007		Testing/Clinic Rooms	1	Consulting Room	25	18	Warm Air / Remote Sensor	RAM Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-04-008		Obs/Control	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-04-009		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor Dem	
1-04-010		Work Room	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-04-012		Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-04-013		Mould Room	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	350	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-05-002		D5	Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	WAF Mechanical Unit	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-05-003			Clean Utility / Dental Store	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-05-004	Surgery (multi-occupancy)		1	Surge Rooms	25	18	Warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Traylay 1.45m	
1-05-005	Dirty Utility		1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-05-006	Mobile Inter-oral Storage		1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-05-007	Recovery		1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Traylay 1.45m	
1-05-008	Surgery (standards)		1	Surge Rooms	25	18	Warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Traylay 1.45m	
1-05-009	Surgery (standards)		1	Surge Rooms	25	18	Warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Traylay 1.45m	
1-05-010	Surgery (standards)		1	Surge Rooms	25	18	Warm air via AHU	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Traylay 1.45m	
1-06-001	D6		Callular / Ward Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-06-002		Open Plan Office - 40 employees (all people)	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-003		Meeting Room - 5 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	WAF Mechanical Unit	Central Supply and Extract	8 people at 19 l/s per person (15ach)	8 people at 19 l/s per person (15ach)	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-004		Callular / Ward Office	1	Callular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-005		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	WAF Mechanical Unit	Central Supply and Extract	4 people at 10 l/s per person (10ach)	4 people at 10 l/s per person (10ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-006		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-007		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-009		Callular / Ward Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-010		Callular / Ward Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	5	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-011		Store - TBP	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-013		Store - Dental	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-014		Store - Physio	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-015		Store - Physio	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-016		Callular / Ward Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-017		M&C Staff Office/Reception Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	5	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-018		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-019		Equipment Decontamination	1	Equipment Decontamination	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-06-020		Diagnosis (CIVIC Room)	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-06-021		Diagnosis (CIVIC Room)	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-06-022		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor Dem	
1-06-023		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-024		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-025		Ward Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	WAF Mechanical Unit	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-06-026		Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dem	
1-06-027		Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-06-028		Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (present)	Ceiling (Type)	Ventilation (Type)	Supply (ach)	Extract (ach)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-06-029	Psychiatry	Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-030		Standard Detention Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-06-031		Store - Deteric	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-032		Large Detention Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-06-035		Standard Detention Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-06-036		Treatment Room (OT equip)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-037		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-038		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-039		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-040		Splicing / Casting Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-06-041		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-042		Parity	1	Parity	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 3m
1-06-043		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-044		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-045		Store - SALT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-046		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-047		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-048		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-049		Changing Cubicles	1	Changing Facilities	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-050		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-052		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-053		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-054		Rehabilitation Room (inc CV equip)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-06-057		WC - assisted (large-changing)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-060		Reception Bay	1	Reception Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-06-061		Hold Bay	1	Crashdown Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-07-001	Plastics Dressing Clinic	Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-07-002		Dressings / Dressing Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-07-003		Dressings Room (Burns)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-07-004		Sluice	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-07-005		Single Telephone Booth	1	Consulting Area	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-07-006		Dressings Room (Burns)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-07-007		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-08-001	Social Work	Open Plan Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 3m
G-08-002		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-002	Medical Day Care Unit - 8 Beds	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 3m
3-09-003		Reception / staff	1	Reception	28	18	Adjacent Space Transfer Air	None	No	None	Central Supply Air	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-004		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-09-005		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-09-006		Interview / Counselling & Quiet Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-007		Office and Storage / staff	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-008		Resuscitation Trolley Bay	1	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-09-009		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	0	0	n/a	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-09-010		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 3m
3-09-011		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
3-09-012		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-09-013		Treatment Rooms	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-09-014		Parity	1	Parity	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 3m
3-09-015		Ward Management Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	800	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-09-016		Patient Treatment Lounge	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Negative	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
3-09-017	Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-09-018	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	0	0	n/a	None	43	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	

Floor No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (sensing)	Ceiling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane		
3-D9-019	E1	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10	via ensuite	Balanced	17	43	41	200	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-D4-009		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-021		Parking Bay, 1 patient (day/night)	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	None	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D4-022		Multi Bed Room: day care, 3 beds	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	10	via ensuite	positive to ensuite	17	43	41	100	5	300	A	80	Automatic Controls	Bed / Trayley 1.45m	
3-D9-023		En-suite wheelchair accessible WC Shower & wash Multi	1	Bedroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D4-024		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	10	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-D9-025		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-026		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	None	0	10	via	via	None	43	n/a	100 (VAV)	n/a	None	A	80	Automatic Controls	Floor 0m
3-D9-027		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	None	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-028		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-D9-030		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	None	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-D10-051		D10	Staff Room	1	Common room/staff room/leisure	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	via	Negative	14	43	41	300	n/a	None	A	80	Switch	Floor 0m
Q-E1-001		E1	Multi-Functional Activity Zone	1	Patient Accommodation Day	25	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	0	10	via	via	None	43	41	100	n/a	None	A	80	Switch	Bed / Trayley 1.45m
Q-E1-002	RHSC OPD Reception		1	Reception	28	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	0	10	via	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
Q-E1-003	RHSC OPD Suite A Sub Waiting		1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	10	via	via	None	43	n/a	200	n/a	None	A	80	Switch	Floor 0m	
Q-E1-004	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-005	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-006	WC Fully Accessible charging room		4	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-007	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-008	DSR		1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	None	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-009	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-010	Wheelchair Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-E1-011	RHSC OPD Main Waiting	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	0	10	via	via	None	43	n/a	200	n/a	None	A	80	Switch	Floor 0m		
Q-F1-002	F1	General Practitioner Reception Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	10	via	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
Q-F1-003		Storage (waiting)	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	None	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-F1-004		Nurse Manager Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	10	via	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
Q-F1-005		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (1ach)	4 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-006		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	3	3	Positive	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-007		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (1ach)	4 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-008		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (1ach)	4 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-009		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (1ach)	4 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-010		Access 1/1Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-011		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	5	5	Balanced	17	43	n/a	200	n/a	None	A	80	Switch	Floor 0m		
Q-F1-012		Storage / Photocopy	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	None	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-F1-014		Secretary/Physio Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-016		Multi-Disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-017		Shower / WC / WHB assisted	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-F1-018		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	None	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
Q-F1-019		Play Room	1	Common room/staff room/leisure	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Negative	17	43	41	200	n/a	None	A	80	Switch	Floor 0m		
Q-F1-020		Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	13 people at 10 l/s per person (1ach)	13 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-021		Control / Viewing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (1ach)	5 people at 10 l/s per person (1ach)	Balanced	17	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m		
Q-F1-022		Time Out Room	1	Common room/staff room/leisure	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Balanced	17	43	41	300	n/a	None	A	80	Switch	Floor 0m		
Q-F1-023		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (1ach)	8 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-024		Large Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	100 people at 10 l/s per person (1ach)	100 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-026		Large Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (1ach)	8 people at 10 l/s per person (1ach)	Balanced	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-027		Sitting Room	1	Common room/staff room/leisure	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m		
Q-F1-028		Multi-Disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-030		Multi-Disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
Q-F1-031		Sitting Room	1	Common room/staff room/leisure	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m		
Q-F1-032		Group Room	1	Common room/staff room/leisure	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min Vibration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plans
G-F1-033	F1 CAMHS - 12 Beds	Art Room	1	Classroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15 people at 10 l/s per person (max)	15 people at 10 l/s per person (max)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-F1-034		Therapy / Play Therapy Room	1	Common room/staff room/lounge	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-036		Dining Room (spiders & Day Prep)	1	Eating/Dining	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-037		Therapeutic kitchen	1	Ward Kitchen	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	77	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
G-F1-038		WC - Wheelchair accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-039		Ward Kitchen	1	Ward Kitchen	23	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
G-F1-040		WC - Wheelchair accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-041		Waiting Area	1	Waiting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-F1-042		DSR	1	DSR	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-043		WC - Staff	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-044		Discussion 1:1 Phone Booth	1	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-045		Multidisciplinary Office - IT's	1	Multi Disciplinary Work Areas	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-047		Recreation Room	1	Common room/staff room/lounge	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-048		Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-049		Discussion 1:1 Phone Booth	1	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-050		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1300	A	80	Switch	Bed / Trayley 1.45m
G-F1-051		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-F1-052		Drug Room	1	Clean Utility	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-F1-053		Multi Disciplinary Office	1	Multi Disciplinary Work Areas	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-054		Laundry Room	1	Laundry	23	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply and Extract	5	10	Negative	77	43	60	300	n/a	None	A	80	Switch	Floor 0m
G-F1-056		Open Space	1	Waiting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-F1-057		Pantry	1	Pantry	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-058		WC - Staff	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-059		Dirty Utility	1	Dirty Utility	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-061		Disposal Hold	1	Disposal Hold	23	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-062		Clinical Base - Open Plan Area	1	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	3	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-063		Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-F1-065		Quiet Zone	1	Common room/staff room/lounge	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-F1-067		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-068		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-069		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-070		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-071		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-072		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-073		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-074		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-075		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-076		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-077		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-078		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-079		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-080		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-081		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-082		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-083		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-084		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-085		Single Bed Room	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-086		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-087		Single Bed Room (large)	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
G-F1-088		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-F1-089	Linen Bay	1	Linen Bay	25	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-090	Single Bed Room (large)	1	Bedroom	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (presence)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. stratification	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane
G-F1-261	G2	En suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
G-F1-262		Open Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-263		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
G-F1-269		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
G-F1-113		Open Room	1	Open Room	28	14	Wagner Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	10	Balanced	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 5m
2-G2-082	G2	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 5m
2-G2-023		Clean Equipment	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
2-G2-054		Dry Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
2-G2-025		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
1-G3-082		On Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-G3-023	G3	En suite Shower / WC / WHE	1	Bathroom	28	16	Radiant Panels	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
1-G3-034		On Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-G3-025		En suite Shower / WC / WHE	1	Bathroom	28	16	Radiant Panels	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
1-G3-036		On Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-G3-057		En suite Shower / WC / WHE	1	Bathroom	28	16	Radiant Panels	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
1-G3-058	Men Kitchen	1	Eating/Drinking	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central General Extract	0	5	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 5m	
1-G3-039	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 5m	
4-H1-022	H1	Conference / Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	15 people at 10 l/s per person (15ach)	15 people at 10 l/s per person (15ach)	Balanced	0.1	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-053		Seminar / Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	36 people at 10 l/s per person (12ach)	36 people at 10 l/s per person (12ach)	Balanced	0.1	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-054		Seminar / Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	32 people at 10 l/s per person (15ach)	32 people at 10 l/s per person (15ach)	Balanced	0.1	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-055		WC - Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-056		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-057		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0.1	43	n/a	300	n/a	None	A	80	Switch	Floor 5m
4-H1-058		Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	0.1	43	41	100	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-059		WC - Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-010		WC - Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-011		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-012		18 Person Office	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-013		Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-014		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	0	None	43	41	200	n/a	None	A	80	switch	Floor 5m
4-H1-015		Reception / Reception	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-016		Tissue Culture Room	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	8	6	Balanced	0.1	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-017		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wet Mixroom Cool	Central Supply and Extract	4 people at 10 l/s per person (8ach)	4 people at 10 l/s per person (8ach)	Balanced	0.1	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-018		Molecular Biology Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	5	6	Balanced	0.1	43	80	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-019		WC - Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-020		WC - Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-021		Student Records Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	4	3	Positive	0.1	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-022		Laboratory / Training / Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-024		Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-025		Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-026		Freezer Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
4-H1-027		Physiological Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	8	6	Balanced	0.1	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-028	Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-029	Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-030	Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-031	Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-032	Genes Assessment Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-033	WC - Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-H1-035	Reception / Reception	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-036	Gas Store	1	Storage Area Med Gas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
1-H2-001	H2	Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m
1-H2-002		Walking Play Area	1	Walking Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0.1	43	n/a	300	n/a	None	A	80	Switch	Floor 5m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (gross)	Cooling (Type)	Ventilation (Type)	Supply (lit/hr)	Extract (lit/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
1-HQ-004	Clinical Research Facility	Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply Air	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-HQ-005		WC Accessible Patients	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-006		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-007		Office - 6 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-HQ-008		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	42	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-HQ-009		Consult / Assessment	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-HQ-010		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	2	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-HQ-011		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-012		Pantry	1	Pantry	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-HQ-013		Store - Equipment	1	Storage Area Equipment	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-014		Clinical Study Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-HQ-015		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-016		Sample Processing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-HQ-017		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-018		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-020		Clean Utility	1	Clean Utility	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	6	6	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-HQ-021		Isolation Bedroom	1	Bedroom	28	18	Adjacent Space Transfer Air	DSR Accessible Sensor	Yes	Combust Cooled Fresh Air	Central Supply via Lobby	10	10 via the ensuite	Balanced	n/a	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-HQ-022		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-023		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Battery	Local / BMS Adjustable	Yes	Combust Cooled Fresh Air	Central Supply	30	0	Positive	n/a	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-HQ-024		Segra Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	n/a	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-HQ-028		Tooth Wash Basin	1	Tooth Wash	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply Air	2 people at 100 lit/hr per person (7ach)	2 people at 100 lit/hr per person (7ach)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-HQ-001		Clinical Education Suite	Workshop / Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 lit/hr per person (7ach)	10 people at 10 lit/hr per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-HQ-002			Consult Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	to full location	to full location	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
3-HQ-003			Storage	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-HQ-004	Workshop / Tutorial Room		1	Classroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 lit/hr per person (7ach)	10 people at 10 lit/hr per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-HQ-005	Scenario Room		1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 lit/hr per person (7ach)	10 people at 10 lit/hr per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-HQ-006	WC / WHB disabled		1	Toilet	28	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-HQ-007	WC Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-HQ-008	WC Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-HQ-010	Workshop / Tutorial Room		1	Classroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 lit/hr per person (7ach)	10 people at 10 lit/hr per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-HQ-011	Beverage Bay		1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	6	Balanced	None	43	41	100	n/a	None	A	80	Switch	Floor 0m	
3-HQ-012	DSR		1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-HQ-013	Manual Handling, Health & Safety		1	Classroom	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-HQ-014	Practice Based Education Office		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-HQ-015	Moving Room		1	Moving Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	14 people at 10 lit/hr per person (7ach)	14 people at 10 lit/hr per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-HQ-016	Seminar Room		1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	23 people at 10 lit/hr per person (7ach)	23 people at 10 lit/hr per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-HQ-018	Management Admin Office		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-HQ-019	Computer Clinics		1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-HQ-020	Linen		1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	4	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-11-001	Main Entrance - Public Spaces		Drainage Lobby	1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-11-002			Whowater Bay	1	Circulation Areas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-11-003		Safety Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-11-004		Waiting Reception	1	Waiting Room	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-11-005		Reception / Information Desk	1	Reception	23	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply Air	2	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-11-006		Retail Shop	1	Retail Shop	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	None	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-11-007		Catering Shop	1	Catering Shop	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Combust Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	None	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-11-008		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-11-009		Public Telephone Booth	1	Circulation Phone Booth	25	18	Adjacent Space Transfer Air	None	No	None	n/a	0	0	n/a	n/a	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-11-010		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-11-011		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-11-012		Assisted Change/Happy Change	1	Nappy Change	23	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-11-013		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (passive)	Cooling (active)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Airn. Situation	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-11-014	E	Pre-Guestroom	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-2-002		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 3m
B-2-004		Store - Bedn	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
B-2-005		Store - Toys	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
I-1-1-001	J1	Lobby	1	Circulation Areas - Entrance Lobby	20	Not Controlled	Warm Air Door Curtain	BMS Adjustable	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
I-1-1-002		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
I-1-1-003		Body Wearing Room	1	Body View	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	4	8	Negative	07	43	n/a	200	n/a	None	A	80	Switch / Dimmer	Floor 3m
I-1-1-004		Sliding Room with Beverage Bay	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	07	43	41	200	n/a	None	A	80	Switch	Floor 3m
G-2-002	J2	Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	4	3	Balanced	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-2-003		Prayer / Meditation / Reflection Area	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	8	8	Negative	07	43	41	200	n/a	None	A	80	Switch	Floor 3m
G-2-004		WC wheelchair accessible / Ritual Washing Area	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-2-005		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-2-006	K1	Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-001		Meeting Rooms (family size)	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 to 15 per person (each)	10 people at 10 to 15 per person (each)	Balanced	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-002		Meeting Rooms (family size)	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 to 15 per person (each)	10 people at 10 to 15 per person (each)	Balanced	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-003		Office 1	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-004		Office 2	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-005		Office 3	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-006		Waiting	1	Waiting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	07	43	n/a	200	n/a	None	A	80	Switch	Floor 3m
G-K1-007		Nappy Changing Room	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-008		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-010		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 to 15 per person (each)	4 people at 10 to 15 per person (each)	Balanced	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-011		Office 4	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-012		Office 5	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-013		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-015		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 to 15 per person (each)	4 people at 10 to 15 per person (each)	Balanced	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-018		Drop-In Lounge / Beverage Bay	1	Common room/staff room/lounge	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	07	43	41	300	n/a	None	A	80	Switch	Floor 3m
G-K1-017		Drop-In Multi-Purpose Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	6	8	Negative	07	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-018		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-019		Beverage Bay	1	Tea Making	25	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 3m
G-K1-021		Complementary Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	07	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m
G-K1-022		Open-Ended/Non-Working Book Lovers	1	Discussion Area	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	07	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-023		Wheelchair Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-024		Office 6	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-025		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-026		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 3m
G-K1-028	Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m	
3-K2-007	K2	Reception/Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	2	3	Positive	07	43	n/a	200	n/a	None	A	80	Switch	Floor 3m
3-K2-008		Office - 3 person	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	07	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-K2-004		WC - Female	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-005		WC - Male	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-006		Lounge - non residents	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	07	43	41	200	n/a	None	A	80	Switch	Floor 3m
3-K2-007		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-008		Family Room for 4 persons inc en-suite	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	07	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-K2-009		En-suite Shower / WC / W/B	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-010		Family Room for 4 persons inc en-suite	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	07	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-K2-011		En-suite Shower / WC / W/B	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-012		Family Room for 4 persons inc en-suite	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	07	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-K2-013		En-suite Shower / WC / W/B	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-014		Family Room for 4 persons inc en-suite	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	07	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-K2-015		En-suite Shower / WC / W/B	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
3-K2-016		Family Room for 4 persons inc en-suite	1	Bedroom	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	07	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (greening)	Ceiling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Air circulation	Surface temp	Water temp	Humid. (gr)	Light lux	Local lux	Standby grade	Colour render	Control	Plane	
2-42-078		Laundry	1	Laundry	20	18	Radant Panels	Remote Sensor Adj	Yes	Wet Movable Grid	Central Supply and Extract	6	16	Negative	17	42	90	200	n/a	None	A	80	Switch	Floor 0m	
2-42-080		Storage - refuse	1	Disposal Hold	20	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-42-085		Periancare	1	Cellular / Ward Offices	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-42-086		Ward - Reception	1	Cellular / Ward Offices	20	18	Radant Panels	Remote Sensor Adj	Yes	Wet Movable Grid	Central Supply and Extract	4	3	Positive	17	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-002		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-003		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-004		Disposal Hold	1	Disposal Hold	20	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-005		Reception/Reception area	1	Reception Bay	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-006		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-007		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-008		Touchdown Base	1	staff base	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-1-1-009		Reception Trolley Bay	1	Reception Trolley Bay	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-010		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-011		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-012		Waiting Area - relatives	1	Waiting Room	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	43	n/a	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-013		Refreshment Vending Machine	1	Waiting Room	20	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-014		WC - Wheelchair accessible (Toilets)	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-015		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-016		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-017		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-018		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-019		Linon Bay	1	Linon Bay	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-020		Hot Bay	1	Cumulation Equipment Storage Bay	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-021		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-022		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-023		Staff Base	1	Cellular / Ward Offices	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-024		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-025		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-026		WC - Wheelchair accessible (Toilets)	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-027		Patients Waiting	1	Waiting Room	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	43	n/a	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-028		Multi-Disciplinary Work Areas	1	Multi-Disciplinary Work Areas	20	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	4	Positive	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-029		Consulting/Examination Room	1	Consulting Room	25	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	43	41	300	n/a	1500	A	80	Switch	Bed / Tray / 1.45m	
1-1-1-030		Consulting/Examination Room	1	Consulting Room	25	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	43	41	300	n/a	1500	A	80	Switch	Bed / Tray / 1.45m	
1-1-1-031		Consulting/Examination Room	1	Consulting Room	25	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	43	41	300	n/a	1500	A	80	Switch	Bed / Tray / 1.45m	
1-1-1-032		Consulting/Examination Room	1	Consulting Room	25	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	43	41	300	n/a	1500	A	80	Switch	Bed / Tray / 1.45m	
1-1-1-033		Dirty Utility	1	Dirty utility	20	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-034		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-035		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-036		Touchdown Base	1	staff base	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-1-1-037		Interview/Relatives Queue Room	1	Meeting Room	25	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (13ach)	4 people at 10 l/s per person (13ach)	Balanced	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-038		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-039		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-040		En-suite Shower / WC / WHB	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Missouri 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-041		Single Bed Room	1	Bedroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m
1-1-1-042		Ward Management Offices	1	Cellular / Ward Offices	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-043		Clean Utility	1	Clean Utility	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	17	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-1-1-042		Staff Room	1	Common room/ staff room/ lounge	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	17	43	41	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-043		Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-044		Ward Kitchen	1	Ward Kitchen	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	8	Negative	None	n/a	n/a	90	500	n/a	None	A	80	Switch	General working plane 1m
1-1-1-045		Touchdown Base	1	staff base	20	18	Radant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10 people at 10 l/s per person (13ach)	2 people at 10 l/s per person (13ach)	Balanced	17	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-1-1-046		Teaching Room	1	Classroom	20	18	Radant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (13ach)	10 people at 10 l/s per person (13ach)	Balanced	17	43	41	200	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-1-1-047		Dirty Utility	1	Dirty utility	20	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Ventilation (Type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-1-066		Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-067		Shower Room-ensuite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Natural & Central Supply Air	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-068		Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	6	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-068		Shower Room-ensuite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-070		Interview/Relatives Quiet Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (12ac ft)	4 people at 10 l/s per person (12ac ft)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-1-071		Linens Bay	1	Linens Bay	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Negative	None	43	n/a	100-1200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-072		WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-072		WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-074		Resuscitation Trolley Bay	1	Resus Trolley Bay	25	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-075		Staff Base	1	Cellular / Ward Office	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Neutral	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-1-076		Storage Consumables	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-077		En-suite Accessible Shower/WoWHS	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-078		Host Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-079		WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-080		WC Independent Wheelchair	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-082		Relatives Overnight Day Room	1	Relatives Overnight Day	26	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	F7	43	41	100	n/a	None	A	80	Switch	Bed / Trolley 1.45m
1-1-083		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-084		Shower Room-ensuite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085		Mobile X-Ray Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085A		Storage Equipment	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085B		Storage Equipment	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-087		Shower Room-ensuite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-088		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-089		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 10 l/s per person (3ac ft)	2 people at 10 l/s per person (3ac ft)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-1-090		Storage Stationary	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-091		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-092		Shower Room-ensuite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-093		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-094		Shower Room-ensuite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-095		DSR	1	DSR	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	50	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-096		Disposal Hold	1	Disposal Hold	26	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-097		4 Bed Room	1	Multi-bed Wards	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-099		En-suite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-100		4 Bed Room	1	Multi-bed Wards	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-1-101		En-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-103		Treatment Lobby	1	Treatment Lobby	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
1-1-104		Isolation Lobby	1	Isolation Lobby	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	56	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-108		Physical Medicine	1	Consulting Lobby	25	18	Adjacent Space Transfer Air	None	No	None	None	0	0	Neutral	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-1-109		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (3ac ft)	2 people at 10 l/s per person (3ac ft)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-002		Disposal Hold	1	Disposal Hold	26	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-003		Linens Bay	1	Linens Bay	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100-1000	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-004		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-005		Shower Room-ensuite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-006		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-007		Shower Room-ensuite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-008		Host Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-009		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (3ac ft)	2 people at 10 l/s per person (3ac ft)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-010		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-011		Shower Room-ensuite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-012		Store	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-013		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-014		Shower Room-ensuite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/h)	Extract (ach/h)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-12-015		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-016		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-017		Touchdown Base	1	Staff Base	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10/lower person (13ach)	2 people at 10/lower person (13ach)	Balanced	0.1	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-018		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-019		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-020		Resuscitation Trolley Bay	1	Resusc Trolley Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-021		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-022		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-023		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-024		Shower Room en-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-025		Touchdown Base	1	Staff Base	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10/lower person (13ach)	2 people at 10/lower person (13ach)	Balanced	0.1	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-026		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-027		Shower Room en-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-028		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-029		Shower Room en-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-030		Dirty Utility	1	Dirty Utility	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-031		OSR	1	OSR	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-032		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-033		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-034		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-035		Shower Room en-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-036		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-037		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-038		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	20	18	Warm Air - Reheats Supply	Local EMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	0.1	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-039		Isolation Bedroom	1	Isolation Bedroom	20	21	Adjacent Space Transfer Air	SMS Adaptive Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-040		Isolation Shower Room	1	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	None	Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-041		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-042		Shower Room en-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-043		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-044		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-045		Touchdown Base	8	Staff Base	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10/lower person (13ach)	2 people at 10/lower person (13ach)	Balanced	0.1	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-046		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-047		Shower Room en-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-048		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-049		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-050		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-051		Shower Room en-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-052		Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	0.1	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
2-12-053		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (13ach)	4 people at 10 l/s per person (13ach)	Balanced	0.1	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-054		Dirty Utility	1	Dirty Utility	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-055		Sitting Room	1	Common room staff/room/ lounge	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	0.1	43	41	200	n/a	None	A	80	Switch	Floor 0m
2-12-056		Ward Management Office	1	Cellular / Ward Office	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-057		Multi-occupancy 20m	1	Multi Occupancy Work Area	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	0.1	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-058		Store	1	Storage Area Equipment	20	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-059		Host Bay	2	Circulation Equipment Storage Bays	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0.1	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-060		WC Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-061		WC Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-062		Ward Kitchen	1	Ward Kitchen	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette - Chilled Water	Central General Extract	0	6	Negative	0.1	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m
2-12-063		Touchdown Base	7	Staff Base	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10/lower person (13ach)	2 people at 10/lower person (13ach)	Balanced	0.1	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-064		Mobile X-Ray Bay	1	Circulation Equipment Storage Bays	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-065		WC Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-066		WC Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-12-067	DCN Inpatients - 42 Beds	Clinical Supplies Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-068		WC Independent Whenshul	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-069		Teaching Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	9 people at 10 l/s per person (13ach)	9 people at 10 l/s per person (13ach)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
2-12-070		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-071		WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-072		WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-073		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply Air	3	0	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-074		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Surf/High	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
2-12-075		Multi-disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-076		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-077		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-078		Ward Kitchen	1	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	6	Negative	None	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m
2-12-079		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
2-12-080		Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-081		Sitting Room	1	Common room staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-12-082		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-083		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-084		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-085		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-086		Touchdown Base	6	staff base	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-087		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-088		Shower Room-an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-089		Host Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-090		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-091		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 11	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-092		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-093		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 11	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-094		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-095		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-096		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-097		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 12	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-098		Host Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-099		Resuscitation Trolley Bay	1	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-100		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-101		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-102		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-103		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-104		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-105		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-106		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-107		Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-108		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-12-109	Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-110	Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-111	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
2-12-112	Host Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-113	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
2-12-114	Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-115	Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10l/s per person (13ach)	2 people at 10l/s per person (13ach)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
2-12-117	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
2-12-118	Shower Room-an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 13	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-119	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (int)	Temp (ext)	Heating Type	Heating Control	Ceiling (assessm)	Ceiling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans		
2-L2-120		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	3	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-L2-121		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-122		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	3	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-L2-123		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-124		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	3	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-L2-125		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-126		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	3	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-L2-127		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-128		OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-129		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10/100 per person (13ach)	2 people at 10/100 per person (13ach)	0	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
2-L2-130		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-131		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-132		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-133		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-134		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	47	0	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-135		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-136		Isolation Shower Room	1	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	None	Dirty Extract	2	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-137		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10/100 per person (13ach)	2 people at 10/100 per person (13ach)	0	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
2-L2-138		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	0	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-139		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-140		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-141		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-142		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m		
2-L2-143		Shower Room an suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-144		Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	0	N/A	None	43	n/a	1000	n/a	None	A	80	Automatic Controls	Floor 0m	
2-L2-152		Physical Measure	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
2-L2-153		Store	1	Store	28	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	0	0	Negative	None	43	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-M1-002		DCN Outpatients	Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-003			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-004			Nurse Suite	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	1 person at 10/100 per person (13ach)	1 person at 10/100 per person (13ach)	0	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-M1-005			WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-006			Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	0	N/A	None	43	n/a	1000	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-007			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-008			Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-009			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-010			Physiotherapy Treatment Room	1	Cellar / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	0	Positive	FF	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-011			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-012			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-013			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-014			Treatment Room with procedure	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Warm Minimum VFB	Central Supply Air	10	0	0	Positive	FF	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-015			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-016			Clean Lobby	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	0	Positive	FF	43	41	150	n/a	None	A	80	Automatic Control	General working plane 1m
G-M1-017			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-018			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-019			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-020			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-021			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-022			Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
G-M1-023	Consult/Examination		1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-024	Consult/Examination		1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-025	Consult/Examination		1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-027	Consult/Examination		1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	0	Balanced	FF	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane	
G-M1-028	DCN Therapies	Dirty Utility: urine test	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-029		Department Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-031		Nurse base	1	Staff base	28	18	Adjacent Space Transfer Air	None	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-M1-032		Main Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-M1-034		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-035		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-036		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-M1-037		Store: Clinical Supplies, Equipment & Stationery	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-038		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-039		WC Fully Accessible Changing Room	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-040		Physical Measurements	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-M1-041		Store: Equipment / General	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-042		Photobooth Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-M1-043		Public Telephone Booth	1	Ceulation Phone Booth	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-M1-045		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-046		Medical Records Store	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-047		Enquiry / Information Desk: 2 staff	1	Reception	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	None	None	3	3	n/a	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-049		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-050		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-M1-051		Sub Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
2-M2-002	DCN Therapies	Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M2-003		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply Air	3	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M2-004		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M2-005		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M2-006		Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
2-M2-007		ADL Bathroom, Shower, WC with hoists	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-008		Physio Treatment Room	1	Physiotherapy Studio	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Diffused Supply and Extract	10	6	Positive	F7	43	41	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-009		ADL Admin	1	Party	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 0m	
2-M2-010		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
2-M2-011		Detraction Free Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
2-M2-012		Detraction Free Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
2-M2-013		Staff Lockers	1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	6	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-014		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-015		Staff Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-016		Staff Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-017		Changing Cubicles	1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-018		Changing Cubicles	1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-019		Changing Cubicles	1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-020		Changing Cubicles	1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-021		Store: General/Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-M2-022	Patient Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-023	Multi-Purpose Rehabilitation Floor	1	Physiotherapy Studio	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	6	Negative	F7	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 0m		
2-M2-024	Store: General/Equipment	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M2-025	Store: General/Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
2-M3-002	Programmed Investigations Unit	Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
2-M3-003		Treatment Area	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
2-M3-004		Waiting area: 4 & 2 wheelchairs	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
2-M4-002		Waiting Area (DCN)	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
2-M4-003	Reception Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
2-M4-004	Reception Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
2-M4-005	HOOD Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
2-M4-006	WC - wheelchair accessible (DCN)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (grossed)	Cooling (Type)	Ventilation (Type)	Supply (per hr)	Extract (per hr)	Relative Humidity	Air Filtration	Surface Temp	Water Temp	Normal lux	Light lux	Local lux	Standby grade	Colour render	Control	Plane
2-NM-007	DCN Neurophysiology	Guest Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 3m
2-NM-008		EMG/News Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-NM-009		EMG/News Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-NM-011		EMG/News Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-NM-012		VTEM Ambulatory Review Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-NM-013		Clinical Physiology Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Positive	F7	43	n/a	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-NM-014		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
2-NM-016		Store / Records	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
2-NM-017		EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	SMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Balanced	F7	43	41	350	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-NM-018		EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	SMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
2-NM-019		EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	SMS Adjustable Sensor	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-N1-001	DCN Entrance	Reception / Information Desk	1	Reception	28	18	Adjustable Heating	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-N1-002		Drainage Lobby	1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	SMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-N1-003		WC - Wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	250	n/a	None	A	80	Automatic Controls	Floor 3m
G-N1-004		WC - Visitors	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-N1-005		Wheelchair Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-N1-006		Waiting Stations	1	Circulation Areas	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	Positive	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
G-N1-007		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 3m
2-N2-002	DCN Wards / Health Records Support - (N2)	Staff Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 3m
2-N2-003		Store & DG	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
2-N2-004		Disposal Hood (jarah)	1	Disposal Hood	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	5	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
2-N2-005	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	5	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-002	DCN Wards / Health Records Support - (P1)	Physical Measurement Bay	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-003		Single Bedroom	1	Bedroom	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Dry Extract	0	3	Positive	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-004		Ensuite WC / W/HB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-005		Single Bedroom	1	Bedroom	28	20	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Dry Extract	0	3	Positive	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-006		Ensuite WC / W/HB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-007		Single Bedroom	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	4	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-008		Single Bedroom	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	4	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-009		Interview Room - DCU	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-010		Single Rooms ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	0	10	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-011		Ensuite WC / W/HB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-012		SDCU Discharge Lounge	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 3m
1-P1-013		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-014		Interview Room - DCU	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-015		SDCU Dispensary	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-016		Pantry (DCU)	1	Pantry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	F7	43	41	200	n/a	None	A	80	Switch	Floor 3m
1-P1-017		Wheelchair Parking Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-018		Linon Bay	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-019		WC - Patients	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-021		SDCU Post Op Staff Base/Utility	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (7ach)	2 people at 10 l/s per person (7ach)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-P1-022		Recovery Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-023		Recovery Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-024		SDCU Recovery Room	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-P1-025		SDCU Recovery Room	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-P1-026		SDCU Recovery Room	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-P1-027		Linon Bay	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200/200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-028	Recovery Staff Base	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-029	Post Anaesthetic Recovery	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-P1-030	Recovery room: post anaesthetic, 1 place	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-P1-031	Recovery room: post anaesthetic, 1 place	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-P1-032	Operating Theatre	1	Operating Theatre Suite	31	18	Warm air via AHU	Local / SMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch / Dimmer	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (min)	Temp (max)	Heating Control Type	Heating Control	Cooling (present)	Cooling Type	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Stralrate	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour reader	Control	Plane	
1-P1-023		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-024		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-025		Decontam 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-026		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-028		Satellite Pharmacy Store	1	Clean Utility	28	18	Warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-029		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-040		Est Bay	1	Operating Theatre Suite	25	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	N/A	None	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-041		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	30	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-042		Parking Bay fibre optic bronchoscopy light source trolley	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central/General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-043		X-Ray/USound Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central/General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-044		Operating Theatre	1	Operating Theatre Suite	31	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-045		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-046		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-047		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-048		OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-049		Clean Scopes Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	3	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-050		Day Case Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-051		MRU Reading	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-052		WC-Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-053		Staff Room	1	Common non-social room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-054		Sub-Hall Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-055		Input/exit Holding Bays	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	4	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-056		Input/exit Holding Bays	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	4	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-057		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-059		Angiography Procedures Machine Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	6	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-058		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-060		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Balanced	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-061		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-063		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-064		MRU Room	1	Diagnostic room	25	18	Warm Air - Radiant Panels	BMS Adjustable Sensor	Yes	By Generator	Central Supply and Extract	8 & 25 (Theatre Mode)	8	8	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Manual	General working plane 1m
1-P1-065		Control Room - MRU	1	Cellular / Ward Offices	25	18	Radiant Panels	BMS Adjustable Sensor	Yes	By Generator	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-066		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-067		Est Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	None	None	0	0	N/A	None	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-068		Equipment Room - MRU	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	Yes	By Generator	Ceiling General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-069		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-070		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-071		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-072		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-073		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-074		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-075		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-076		Est Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-077		OSR Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	30	Negative	F7	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-078		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-079		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-080		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-083		Decontam 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-084		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-085		Decontam 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-086		Medical Gas Cabinet Store	1	Storage Area Med Gas	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	7	N/A	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-087		Clinical Equipment Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-088		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pressur)	Cooling (rate)	Ventilation (rate)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. Strata	Surface Temp	Water Temp	Normal hot	Alarm hot	Local hot	Standby grade	Colour render	Control	Plane
1-P1-089	P1 Operating Theatre & RHSC Surgical Day Case Unit	ICN Nurse Management Office	1	Cellular / Ward Offices	28	18	Remote Sensor Ad	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.7	42	na	100	na	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-090		Dirty Utility (bedside) (Medical & clinical)	1	Dirty Utility	28	18	Remote Sensor Ad	Remote Sensor Ad	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-091		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-092		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	500	na	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-093		Angiography Procedures Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-094		Angiography Procedure Control Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-095		Diaper Supplies Store	1	Clean Utility	28	18	Remote Sensor Ad	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	0.7	43	41	150	na	None	A	80	Automatic Controls	General working plane 1m
1-P1-097		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	na	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-098		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-099		Sterile Supplies Store	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	0.7	43	41	150	na	None	A	80	Automatic Controls	General working plane 1m
1-P1-100		Female Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative to comfort	0.7	43	41	100	na	None	A	80	Automatic Controls	Floor 0m
1-P1-101		Clean Trays	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	na	None	A	80	Automatic Controls	Floor 0m
1-P1-102		Male Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative to comfort	0.7	43	41	100	na	None	A	80	Automatic Controls	Floor 0m
1-P1-103		Wardrobe (Nurse) (Working Area)	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	Ceiling Cassette-Cooled Water	Central Dry Extract	0	6	Negative	None	43	41	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-104		Dirty Trays	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-105		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	na	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-106		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	0.7	43	41	150	na	None	A	80	Automatic Controls	General working plane 1m
1-P1-107		Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	na	None	43	na	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-108		Linon Bay	1	Linon Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	na	None	43	na	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-109		Recovery Bay (post anaesthetic) 1 place	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	0.7	43	41	500	na	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
1-P1-110		Staff and visitors waiting area (recovery & staff)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	4	3	Positive	0.7	43	na	400	na	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-111		Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Ad	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	0.7	43	41	300	na	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-112		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	na	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-113		Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Ad	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	0.7	43	41	300	na	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-114		Reception, administration office & communication base - 4 staff	1	Reception	28	18	Radiant Panels	Remote Sensor Ad	Yes	Ceiling Cassette-Cooled Water	Central Supply Air	4	3	Positive	0.7	43	na	300	na	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-115		Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Ad	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	0.7	43	41	300	na	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-116		Interview, counselling & quiet room - 5 persons	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	3	3	Balanced	0.7	43	41	300	na	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-117		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-118		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	na	None	A	80	Automatic Controls	Floor 0m
1-P1-119		Dirty Room - 2 persons	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.7	43	na	400	na	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-120		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.7	43	41	100	na	None	A	80	Automatic Controls	Floor 0m
1-P1-121		Admissions Lounge	1	Common non-staff room/lounge	28	18	Radiant Panels	Remote Sensor Ad	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	0.7	43	41	300	na	None	A	80	Automatic Controls	Floor 0m
1-P1-122		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-123		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	500	na	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-124		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-125		Wardrobe Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-126		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-127		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-128		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-129		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-130		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-131		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-132		Wardrobe Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-133		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-134		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-135		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-136		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-137		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-138		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-139		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-140		Wardrobe Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-141		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-142		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-143		Wardrobe - linen	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	na	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-144		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28																			

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface Temp	Water Temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
1-P1-152		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-153		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-154		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-155		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-156		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-158		Dirty Scraps Store	1	Dirty utility	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	3	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-159		Store - Planter	1	Storage Area Equipment	23	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-161		Disposal Hold	1	Disposal Hold	23	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-162		Staff Reception / Office / Control Base	1	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	4	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-163		DSR	1	DSR	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-164		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-165		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-167		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-168		WC - Wheelchair accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-169		WC - Wheelchair accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-170		Immediate Pre Theatre Wall	1	Waiting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-P1-171		WC-Staff	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-172		Change Room (Office)	1	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-173		Linen Bay	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-174		General Office	1	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-175		Reception	1	Reception	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-176		Consult/Examination	1	Consulting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-177		Consult/Examination	1	Consulting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-P1-178		Main Waiting/Play Area	1	Waiting Room	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
1-P1-179		WC - Wheelchair accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-180		WC Accessible	1	Toilet	23	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-183		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-184		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-185		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-186		Edi Bay (interoperable)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
1-P1-187		Utility Room (interoperable)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	39	Negative	F7	43	41	150	n/a	None	A	90	Switch	Bed / Trolley 1.45m
1-P1-189		Toy Wash Store	1	Storage Area Equipment	23	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-184		Cleaner Cupboard	1	Storage Area Equipment	23	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-195		Store (RHSC)	1	Storage Area Equipment	23	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-P1-196		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-P1-197		IV Store	1	Storage Area Equipment	23	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-002		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-003		Nappy Change Room with handwash	1	Toilet	23	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-004		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-Q1-005		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-006		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-007		Trolley Bay	1	Circulation Equipment Storage Bays	23	16	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	Nil	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-008		Processing Area	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-Q1-009		Acute Reporting	1	Cellular / Ward Offices	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-010		Ultrasound Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-Q1-011		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-012		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-Q1-013		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-014		Ultrasound Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-Q1-015		Changing Cubicles	1	Changing Facilities	23	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-016		Screening Room (fluoroscopy)	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch Dimmer	General working plane 1m
G-Q1-017		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (per hr)	Extract (ach)	Relative Humidity	Min Ventilation	Surface Temp	Water Temp	Normal Air	Light Lux	Local Air	Standby grade	Colour render	Control	Plane
G-Q1-018		Ultrasound Sub Wait	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	42	n/a	200	n/a	None	A	80	Switch	Floor 9m
G-Q1-019		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-020		Parent Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Dry Extract	4	4	Balanced	17	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-021		Baby Ward / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	4	4	Negative	17	42	41	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-022		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-023		Registers Office (5 desks)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-024		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-025		Radioactive Waste Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	10	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-027		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	42	n/a	200	n/a	None	A	80	Switch	Floor 9m
G-Q1-028		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Local Supply	10	3	Positive	17	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-029		WC - Wheelchair accessible (hot)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-030		Gamita Camera Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-031		Medical Physics Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-032		Gamita Camera Reception	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-033		Emergency Shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-034		Hot Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	42	n/a	200	n/a	None	A	80	Switch	Floor 9m
G-Q1-035		Injection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	3	Positive	17	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-036		Recovery Area	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	17	42	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m
G-Q1-037		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to combor	17	42	41	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-038		Gamita Camera	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit & Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-041		Reception 80	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	42	41	200	n/a	None	A	80	Switch	Floor 9m
G-Q1-042		Gamita Camera Control Area	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	4	Positive	17	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-043		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to combor	17	42	41	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-044		Gamita Camera	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit & Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-045		Injection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	3	Positive	17	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-046		Street Room (myocardial work)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	17	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-047		Hot Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	17	42	n/a	200	n/a	None	A	80	Switch	Floor 9m
G-Q1-048		WC - Wheelchair accessible (hot)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-049		WC - Wheelchair accessible (cold)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-050		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	42	n/a	200	n/a	None	A	80	Switch	Floor 9m
G-Q1-052		Counting Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Balanced	17	42	80	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-Q1-053		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	90	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-054		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (1 each)	4 people at 10 l/s per person (1 each)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-055		Meeting Room - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (2 each)	4 people at 10 l/s per person (2 each)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-057		Open Office (not Office / 71 desks)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-058		Open Reception	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-059		CT Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit & Ceiling Cassette - Chilled Water	Central Supply and Extract	13	13	Balanced	17	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-061		Disabled Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-062		WC - Patients	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-063		Linon Bldg	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-064		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-066		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	14	3	Positive	17	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-067		Disabled Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-068		Toilets	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-069		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to combor	17	42	41	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-070		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to combor	17	42	41	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-Q1-071		Control Room - CT	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	5	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-072		Telemedicine Reception	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-073		Open Reception	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-074		Consultation Office - 3 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-075		Consultation Office - 3 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plans
G-Q1-076		Ultrasound Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-077		Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-078		Waiting Area - Main Dept	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-079		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-080		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-081		Doppler Ultrasound	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	9	9	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-082		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-083		Photocopy Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	No	None	Central General Supply	0	0	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-084		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-086		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Wall Mounted Unit	Central Supply and Extract	7	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-089		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-092		MRI Room	1	Diagnostic room	25	12	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Sensor	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-094		Sub Wall	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-096		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-096		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-097		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-098		Recovery Bay	1	Recovery	28	16	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	18	18	Balanced	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-099		Equipment Room	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	Yes	Floor Mounted Glass Control	Central Supply and Extract	0	3	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-100		Equipment Room	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	Yes	Floor Mounted Glass Control	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-102		DSR	1	DSR	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-103		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-104		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-105		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-106		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-108		Injection Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-109		Toilets	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-110		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Sensor	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-111		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-112		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-Q1-113		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-114		Store Room	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Ad.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-115		Adult Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-119		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-120		MRI Reporting	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-121		Baby Infant / Feeding Room	1	Baby Feeding	25	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-123		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Sensor	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-124		Equipment Room	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	Yes	Floor Mounted Glass Control	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-125		Recovery Area - 1 place	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	13	14	Balanced	F7	43	41	500	n/a	None	A	80	Switch	Bed / Trolley 1.45m
G-Q1-126		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-127		WC - Wheelchair accessible & change	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-128		Accessible Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-129		Accessible Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-130		Induction Area - 1 place	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	0	Balanced	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-131		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-132		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-133		Equipment Room - MRI	1	IT equipment (server server)	25	18	None	None	Yes	Floor Mounted Glass Control	Central General Extract	0	0	Negative	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-Q1-134		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Sensor	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-135		Control Room - (CEMR)	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-136		CT Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	13	10	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-137		Main Reporting	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-138		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-139		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (ask)	Temp (set)	Heating Type	Heating Control	Ceiling (assent)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Stratification	Surface temp	Water temp	Humid. (set)	Light lux	Local lux	Standby grade	Colour render	Control	Plane
G-Q1-143		IPS Room	1	IPS Room	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-141		Dental Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	13	13	Balanced	77	43	41	200	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-Q1-142		Disposal Hold	1	Disposal Hold	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-143		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-144		Female Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative to corridor	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-145		Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	0	Positive	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-146		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-148		Store Room	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-149		Reception Room - 1 person	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-150		Male Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Negative to corridor	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-151		Consultant Office (3 person)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-152		Nurse Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-153		Reception Area	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	3	0	Positive	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-154		Waiting Play Area	1	Waiting Room	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	43	n/a	200	n/a	None	A	80	Switch	Floor 0m
G-Q1-160		Reception Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	3	4	Positive	77	43	n/a	200	n/a	None	A	80	Switch	Floor 0m
G-Q1-161		Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-001		Staff Room	1	Common room/staff room/buenge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative	77	43	41	200	n/a	None	A	80	Switch	Floor 0m
2-R1-002		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-003		Waiting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-004		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-005		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	switch	Floor 0m
2-R1-006		Meeting Room - 6 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-007		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-008		Store Clinical	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-009		Reception/Waiting Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted UGR	Central Supply and Extract	3	0	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-010		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-011		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-012		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-013		WC - Staff (Female)	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-014		WC - Staff (Male)	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-015		Waiting Room - 6 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-016		WC - Wheelchair Accessible	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-017		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-018		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-019		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted UGR	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-020		Printer/Photocopy Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Ceiling General Extract	0	0	Negative	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-021		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	switch	Floor 0m
2-R1-022		Disposal Hold (small)	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-023		Waiting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-024		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-025		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-026		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	switch	Floor 0m
2-R1-027		Waiting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-028		Waiting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-029		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-030		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-031		Reception 1 (1 Phone Booth)	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-032		WC - Wheelchair Accessible	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-033		WC - Staff (Male)	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-034		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-035		Printer/Photocopy Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central General Extract	0	0	Negative	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-036		Waiting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted UGR	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
2-R1-037	R1 Clinical Management Suite	Store Clinical	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-038		WC - Staff (Female)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-039		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-040		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-041		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-042		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-043		Store Clinical	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-044		Phaser/Photocopier Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central General Extract	0	3	Negative	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-045		Meeting Room - 4 person	1	Cellular / Ward Offices	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-046		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-047		Store Clinical	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-R1-048		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-049A		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-049B		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-050		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051A		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051B		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051C		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052A		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052B		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052C		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-053		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054A		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055A		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055B		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055C		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055D		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-001		Management Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	18 people at 10 l/s per person (7ach)	18 people at 10 l/s per person (7ach)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-002		Management Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	18 people at 10 l/s per person (7ach)	18 people at 10 l/s per person (7ach)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-003		Meeting Room - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	6 people at 10 l/s per person (7ach)	6 people at 10 l/s per person (7ach)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-004		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central Supply and Extract	4	3	Positive	77	43	41	180 (ON/OFF)	n/a	None	A	80	switch	Floor 0m
4-R1-005		WC - Staff (Male)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-006		WC - Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-007		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-008		WC - Staff (Female)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-009		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Balanced	77	43	41	200	n/a	None	A	80	Switch	Floor 0m
4-R1-010		4th Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-011		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-012		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-013		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-014		Doctors 1/1/Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-015		Store Management	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-016		Store Management	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central General Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-017		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-018		Disposal Hold (small)	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R1-019		Phaser/Photocopier Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-002	R2 Health Records	RHSC Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-003		Assistant Health Records Manager Supervisors	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-004		RHSC / DCN Office 17 Person	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Calling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-005		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-R2-006		Reception / Disposal Counter	1	Reception	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply Air	0	6	Negative	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R2-007		Trolley Area	1	Circulation Equipment Storage Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Gly	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Staircase grade	Colour render	Control	Plans
4-RZ-008	81	RHSC & DCN Records Library (160,000 records)	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2	3	Negative	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-RZ-010		Accessible WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-RZ-011		Decision / 1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-51-001		Preparation/Cooking Area	1	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	76	12	Negative	FF	43	60	500	n/a	None	A	80	Switch	General working plane 1m
B-51-005		Temperature Controlled Sandwich Prep	1	CDS	12	10	None	None	Yes	Ceiling Cassette - Chilled Water	General Supply and Extract	2 people at 10 m ² per person (max)	3 people at 10 m ² per person (max)	Balanced	FF	43	41	500	n/a	None	A	80	Switch	General working plane 1m
B-51-006		Bakery Preparation	1	CDS	12	10	None	None	Yes	Ceiling Cassette - Chilled Water	General Supply and Extract	2 people at 10 m ² per person (max)	3 people at 10 m ² per person (max)	Balanced	FF	43	41	500	n/a	None	A	80	Switch	General working plane 1m
B-51-007		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
B-51-008		Office (3 person)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 people at 10 m ² per person (max)	3 people at 10 m ² per person (max)	Balanced	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-51-009		Female Staff Changing inc Shower	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Positive	FF	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-010		Male Staff Changing inc Shower	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	FF	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-012		Flan Wash	1	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	6	Negative	None	43	60	300	n/a	None	A	80	Switch	General working plane 1m
B-51-013		Returned Trays	1	CDS	28	18	Adjacent Space Transfer Air	None	No	None	General Supply and Extract	18	14	Balanced	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-015		Refuse	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-016		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	300	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-017		Clean Trolleys Park	1	CDS	28	18	Adjacent Space Transfer Air	None	No	None	General Supply and Extract	15	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-018		Disposable / Detergent	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	12	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-019		Raw Meat	1	CDS	8	5	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	General working plane 1m
B-51-020		Veg Store	1	CDS	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-021		Freezer	1	CDS	-18	-20	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-51-022		Freezer	1	CDS	-18	-20	None	None	Yes	By Specialist	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-51-023		Receptacle	1	Crustacean Freez	28	18	Radiant Panels	Remote Sensor Adj.	No	None	General Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-025		Dairy Store	1	CDS	5	2	None	None	Yes	By Specialist	None	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-51-026		Washing - no longer used	1	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	DW172 Dependent	DW172 Dependent	Negative	GF	43	60	300	n/a	None	A	80	Switch	General working plane 1m
B-51-027	Dry Goods	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-51-031	Pick and Pack	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	3	Balanced	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-52-001	82	Health Infrastructure	1	IT equipment (comms server)	25	18	None	None	Yes	None	Central Dry Extract	0	0	Positive	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-53-002	53	Linen (Hot/Clean)	1	Linen Bay	28	18	Radiant Panels	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-003		Supplies Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-004		Laundry (microfibre)	1	Laundry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	3	Balanced	FF	43	60	300	n/a	None	A	80	Switch	Floor 0m
B-53-005		Linen (Hot/Dirty)	1	Dirty utility	28	18	Radiant Panels	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-007		Cleaning Equipment Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-008		Sanitary Bins Store	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-009		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-010		Bulk Equipment Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-53-011		Decision / 1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-53-012		Submits/Service Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-53-013		Curtain Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-54-001	54	Storage/holding Area	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-54-002		Midroom	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-54-004		Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	4	3	Positive	FF	43	41	400	n/a	None	A	80	Automatic Controls	Floor 0m
B-54-005		Private Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
B-54-050		Clocking in	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-55-002	55	Bay for Token Machine	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	FF	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-003		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-004		Male Staff Changing - Shower, WC & Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	4	Positive	FF	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-55-005		Female Staff Changing - Shower, WC & Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	4	Positive	FF	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-003		IT equipment (comms server)	1	IT equipment (comms server)	25	18	None	None	Yes	None	Central General Extract	0	0	Positive	FF	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
B-56-004		Workshop (NPD)	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
B-56-006		Staff Change	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-007		Shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-008		Shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-56-009	Workshop (NHSL)	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	8	Negative	FF	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Flare	
B-56-010	56	Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
B-56-011		Supermarket	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-012		Intake Library	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted	Central Supply and Extract	2	3	Negative	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-013		Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-014		Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
B-56-015		Desktop Storage	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-56-016		Office / Reception	1	Cellular / Offices	28	18	Electric Heats	Remote Sensor Act.	No	None	Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-019		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
G-56-020		Abkoo Cleaning Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
B-56-021		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
G-56-022		WC - Staff	1	Toilet	28	18	Electric Heats	Remote Sensor Act.	No	None	Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
G-56-023		Chemical Store	1	Storage Area Equipment	28	18	Electric Heats	Remote Sensor Act.	No	None	Dry Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
G-56-024		Trolley Holding Bay	1	Circulation Equipment Storage Bay	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
B-56-025		Trolley Holding Bay	1	Circulation Equipment Storage Bay	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
(3-56-026)		Staff Welfare	1	Common non-hall room/lounge	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	12 people at 10 l/s per person (each)	12 people at 10 l/s per person (each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 5m	
4-57-002	57	Male WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-57-003		Female WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-57-004		Male WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-57-007		Disposal Hold	1	Disposal hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-57-008		Storage/Offloading	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-57-009		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 5m	
4-57-010		Restaurant	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	100 people at 10 l/s per person (each)	100 people at 10 l/s per person (each)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 5m	
4-57-011		WC Accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
B-58-001		58	Staff Support Store	Trolley Holding Bay	1	Circulation Equipment Storage Bay	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls
4-59-001	59	WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-59-002		RFFS Changing / Support	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	3	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 5m	
4-59-004A		RFFS Medical Equipment Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-59-005		Trolley Bay Equip St	1	Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 5m	
4-59-006		Cleaner	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 5m	
B-71-001	71	IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
B-71-002		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
B-71-003		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
G-71-003		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
G-71-004		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
G-71-005		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
G-71-006		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
G-71-007		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
1-71-001		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
1-71-002		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
1-71-003		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
1-71-004		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
1-71-005		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
2-71-001		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
2-71-002		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
2-71-003		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
2-71-004		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
2-71-005		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
2-71-006		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
3-71-001		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
3-71-002		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
3-71-003		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	
3-71-004		IT Node Rooms	1	IT equipment (computers server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 5m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Air filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Stairway grade	Colour render	Control	Flare
3-T1-005		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Variable	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-001		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Variable	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-002		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Variable	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-003		IT Node Rooms	1	IT equipment (servers server)	25	18	None	None	Yes	Variable	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
B-V1-001		Confidential Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-V1-002		WSEB - Furniture / Waste Units	1	Storage Area Equipment	n/a	n/a	Water/Fume	Fume/Sensor	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-001		EC Plant Room 1	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-002		EC Plant Room 2	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-003		HV Gen Control Room	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-004		HV Generator	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-005		HV Plant	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-006		HV Plant	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-008		Stainless Litter																						
M-X1-001	UT	Mezz Plant 1	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001A		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001B		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001C		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-002		General Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-003		Gas Manifold	1	Storage Area Equipment	40	10	Electric Heater	Remote Sensor Act	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-004		Kitchen Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-005		Clinical Waste - Clean	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-006		Wash Area	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-008		Litter bins																						
		4 Plant 008																						



Royal Hospital for Sick Children and Department for Clinical Neurosciences - Edinburgh

RHSC / DCN RDS Environmental Matrix

Dept Code	Index
~	Cover
~	Guidance Notes
~	Room Function Reference Sheet
~	Occupancy & Equipment Load Allowances
A1 - A4	Front Door - A&E / Assessment Ward
B1	Critical Care / HDU / Neonatal Surgery
C1 - C5	RHSC In Patient Pathway / Ward Care
D1 - D10	RHSC Ambulatory Care
E1	Pod
F1	Child and Adolescent Mental Health
G2 - G3	Clinical Support
H1 - H3	Academic
I1 - I2	Facilities / Infrastructure Support Services
J1 - J2	Patient / Family Support
K1 - K2	Family Facilities
L1 - L2	DCN In Patient Pathway / Ward Care
M1- M4	DCN Support Space
N1	DCN Out Patient Departments
P1	Combined Theatres
Q1	Combined Radiology
R1 - R2	Office / Admin Support Services
S1 - S7	Combined Facilities / Infrastructure Support Services
T1	Plant
U1	Shelled Space

Updated to suit accommodation schedule issued 03/08/2016 Rev 4*

General mechanical services updated in line with current drawings.

Lighting updated as per table 1 and table 2.

WW-XX-XX-DC-XXX-001 Rev 07

19th September 2016

RDD	
Reviewable Design Data Section 5 of Schedule Part 6	
Board	
Name:	B. CURRIC
Date:	17/10/16
Sign:	[Redacted]
Level:	A3
Comments:	
PLEASE REFER TO MH-GC-002084. SEE ALSO DOCUMENT.	
<small>In accordance with the levels as set out in clause 1 of Part 6 of Review and Schedule Part 8 (Review Procedure):</small>	
<small>Level A: No Comment</small>	
<small>Level B: Proceed subject to Amendment as noted</small>	
<small>Level C: Subject to amendment as noted</small>	
<small>Level D: Reject</small>	

17/10/16
PLEASE ALSO REFER TO MH-GC-002155
14 NOV 2016

REFER TO
MPX-GC-012654

Brookfield MULTIPLEX Built to outperform.	
Contractor Document Review RHSC & DCN Edinburgh	
A <input type="checkbox"/> Comment B <input checked="" type="checkbox"/> Noted subject to comments C <input checked="" type="checkbox"/> Rejected - revise (and resubmit) within 7 business days	
BM Checked by: [Redacted] Date: 17/10/16	
<small>Brookfield Multiplex review value only not advice. In confirmation of its obligations with respect to compliance and consistency with the other Consultants and specialist Subcontractor's design and the project Agreements, Employer's Requirements and the cost plan and for ensuring that there are no ambiguities, discrepancies, inconsistencies or omissions within this document, Brookfield and any other design documents.</small>	

Rev 7. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments.

- 1 Updated to suit accommodation schedule issued 03/08/2016 Rev 04* *CIRCULATION AREAS NOT INCLUDED IN THE MATRIX.*
 2 General mechanical services updated in line with current drawings. *ALL SERVICES SHALL BE UPDATED TO REFLECT BCRs*
 3 Lighting updated as per table 1 and table 2. *LIGHTING SHALL BE UPDATED TO REFLECT BCRs.*

Table 1 Amendments

	Room Function	Matrix	LG2	Comment	Resolution
1	Body Viewing room	300	50/100	Higher than LG2	Reduce output via KNX commissioning
2	Cellular/Ward Offices	400	300	Higher than LG2	Reduce output via KNX commissioning
3	Shower	200	100-150	Higher than LG2	Reduce output via KNX commissioning
4	Linen Bay	200	100	Higher than LG2	Reduce output via KNX commissioning
5	Multi-disciplinary Office	400	500	Higher than LG2	Reduce output via KNX commissioning
6	Open plan office	400	300	Higher than LG2	Reduce output via KNX commissioning
7	Operating Theatre	500	1000	Higher than Matrix	Amend Matrix
8	Resuscitation Bay	200	500	Higher than LG2	Amend Matrix at patient treatment bays to 500lux, general bays to be 200lux (As schedule below)
9	Workshop	300	300/500	Compliant with both.	As matrix
10	Staff Base	200/300	300	Compliant with both.	As Matrix
11	Tea making	200	100	Higher than LG2	Reduce output via KNX commissioning

Table 2 Resuscitation Trolley/Bay

	Room	Light level (Lux)
3.C1.2.029	Resuscitation Trolley Bay	200
1.D6.060	Resuscitation Bay	500
3.D9.005	Resuscitation Trolley Bay	200
1.L1.0054	Resuscitation Bay	500
1.L1.074	Resuscitation Trolley Bay	200
2.L2.020	Resuscitation Trolley Bay	200

Rev 6. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments

	Item	Initial Response	Feed back	Reconciliation
1	Update the Environmental Matrix shall be updated by Project Co to reflect all the rooms and room types in the proposed Facility, this should be based on an updated Schedule of Accommodation that has been commented on separately by the Board. This also needs to reflect the names and room numbers in the GSU table.	Individual room numbering being applied.	OK	Agreed
2	Include the requirements contained in the Clinical Output Specification including but not limited to the requirement that theatre temperatures are to be able to be raised to 31°C for certain operations.'	We have made reference to the figure of 31°C in the Guidance Notes. 'Theatre temperatures are to be able to be raised to 31°C for certain operations.'	Temperature control in theatres is covered in the Operational Design Notes V5 14th Oct2014 for RHSC Theatres 1 & 2. Operating theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged in the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation. THIS HOWEVER IS NOT NOTED ANYWHERE	This statement is now incorporated within the guidance notes of the matrix
3	Measures shall be assessed, modelled and implemented to demonstrate that the internal air temperature of the following room types to reduce the temperature control from 28°C to 25°C- Treatment Rooms, Consulting Rooms; Laboratory; Physiotherapy Studio, Recovery. These room shall not exceed the maximum acceptable level of 25°C for more than 50 hours per annum	The Temp (max) column within the table has been updated to 25°C for the agreed rooms 3.1- 3.5 above.	OK	Agreed
4	Detailed proposal awaited on bedroom ventilation to achieve balanced/ negative pressure relative to corridor..	The single bedrooms have had their ensuite extract increased to achieve a balance within the room, this has been noted within the matrix.	NOTE 26 AND VENTILATION TYPE HAVE NOT BEEN ALTERED.	Refer to Matrix
5	Colour rendering all stated as 80 where certain areas should be 90	Amended.	NEEDS TO BE CHECKED FOR ALL	Refer to Matrix
6	There also need to have a consistent approach e.g. guidance notes and ED body view room stated as 28-8, bereavement suite body view room stated as 25-8.	The figure of 25-8 is now reflected within the matrix.	OK	Matrix now amended.. See item 7 below.
7	Further discussion is required on the minimum temperate requirement for the Body View Room.	Awaiting confirmation on this one from the client, however discussion at the meeting on the 11/11/14 was that rather than take the room temperature down to 8°C which would require specialist cooling they would look at providing a cold blanket for the body and room temperatures would be retained as a normal room.	NHSL confirm following discussion with users that the use of a cooling blanket or cooling cot for the body is appropriate and therefore there is no requirement to have the room at 8 degrees and 25°C is acceptable	Matrix amended to minimum temperature of 18°C in place of 8°C.



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
1	Technical Submittal MER-XX-SL-TS-015 appears to contradict environmental note 13 by way of radiant panel controls.	Note 13 has been deleted from the matrix and Mercury's technical submittal takes precedent.	Now updated.	x	x	✓
2	1-B1-010 medical gas cylinder store, SHTM 02-01 states internal cylinders stores may require mechanical ventilation, please confirm no ventilation provided.	Extract ventilation has been provided. Matrix updated and drawings where appropriate.	Now updated.	✓	x	✓
3	IPS room max/min temperatures stated as "Manufacturer Dependant", this is not acceptable, temperatures to be stated. Room has 3ac/h mechanical extract therefore heating type should be Adjacent space transfer air and temperatures accordingly.	Room temperatures have been added. Adjacent space transfer air added into heating type.	Now updated	x	x	✓
4A	Isolation cubicles and bedrooms are not shown with any extract ventilation.	Extract rate and note added	Now updated	x	x	✓
4B	Gowning lobby, supply stated as "in line with SHPN 04" and extract stated as "To match total bedroom air volume", design development review required.	Note removed and extract rate added.	Now updated	x	x	✓
5	Technical Submittal MER-XX-SL-TS-015 shows room 1-B1-057 with a radiant panel which contradicts Environmental Matrix room 1-B1-057 warm air reheat battery.	The air is heated by a heater battery which is BMS controlled as per the matrix.	No action required	x	x	✓
6	Where ventilation rates 10l/s per person are stated, room occupancy to be detailed and ventilation rates calculated.	These particular areas have been designed based on occupancies; occupancy figures and ventilation rates have been added to these areas to provide clarity.	Now updated	x	x	✓
7	1-B1-063 Stated as supply air 4ac/h, extract via en-suite, this room does not have en-suite facilities.	Room extract rate added	Now updated	x	x	✓
8	1-B1-090 has an area of 8m2 which is not stated in the matrix. PCo to populate areas.	A review will be carried out and any blank GIFA rates will be noted - Updated schedule of accommodation required for this item.	Now updated	x	x	✓
9	3-C1.2-036 review ventilation type, only showing supply when 4ac/h supply and extract.	Ventilation type note amended to incorporate extract.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
10	Room 1-G3-003/005/007 bathroom temperatures stated as 28 / 20 with adjacent space transfer air from area with temperatures of 28 / 18.	These bathrooms have their own radiant panel.	Now updated	x	x	✓
11	Similarly isolation bedroom 3-C1.4-040, temperatures stated as 28 / 21 with adjacent space transfer air from area with temperatures of 28 / 18, ventilation described as "balanced".	The adjacent area; Lobby 3-C1.4-039 is heated via heater battery and will be at least 21°C. Matrix has been updated.	Now updated	x	x	✓
12	3-C1.7-003, 004, 005 supply and extract "to suit location" not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	x	x	✓
13	G-D2-006 supply and extract "to suit location", statement "to suit location" is not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	x	x	✓
14	Theatre ventilation stated as "in line with SHTM 03-01", correct, this is a BCR requirement. However dental surgeries are not mentioned in SHTM 03-01, I would suggest SHPN 36 part 2. The required ventilation to be designed and detailed.	In line with the SHTM 03-01 removed and air change rates added.	Now updated	x	x	✓
15	1-H2-021 is currently labelled a single bedroom but it is an isolation room, review ventilation.	This room function was RFI'd and has been designed as an isolation room (matrix has been updated).	Now updated	x	x	✓
16	1-P1-003 and 005 are bedrooms, not bathrooms.	Bathroom changed to bedroom.	Now updated	x	x	✓
17	Kitchen states DW172 dependant, actual design detail to be added.	Design details will be noted and "DW172" will be removed.	Now updated	x	x	✓
18	Complete Estates SOA areas.	A review will be carried out and any blank GIFA rates will be noted.	Now updated	x	x	✓
19	Room B-S3-002 and 005 stated in Environmental Matrix as Adjacent Space Transfer Air, however shown with radiant panel on drawing.	Matrix will be updated with radiant panel noted.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
20	ADB code reference should be confirmed.	ADB code reference is an unnecessary column for the use of this matrix so the column will be deleted from the environmental matrix.	Now updated	x	x	✓
21	Last column not titled. What does it refer to?	This column to the IET grouping but this column has now been superseded by the categorisation document. Column will be deleted from the environmental matrix.	Now updated	x	x	✓
22	B-S3-002 & B-S4-001 can min temp be increased to 18?	Temperature will be altered to 18°C	Now updated	x	x	✓
23	Disposal hold – can min temp be reduced to 16.	Sensor could be set to 16°C rather than 18°C but the reduction to the maximum temperature from 28°C to 25°C is problematic though so if required, cooling will be need to be added - Confirmed at meeting that 28°C is to be retained.	Now updated	x	x	✓
24	During a recent PG it was made clear that due to the nature of the research being carried out in the Clinical Research Department in rooms H2-013, 014, 016 and 020 the temperature cannot at any time exceed 25°C.	Cooling has been provided in H2-014, H2-016 and H2-020. H2-013 requires cooling. Matrix has been updated to reflect this but drawing requires updating.	Environmental Matrix updated and drawing to be updated	✓	x	✓
25	Further to the recent discussion regarding hepa filtration in the isolation rooms the matrix should have been updated to reflect this.	The matrix doesn't note HEPA filter requirements but all isolation rooms have the capability of HEPA filters being installed.	No action required	x	x	✓
26	G-F1 Bedrooms with 6ac/h where most bedrooms are taken as 4ac/h.	This is a CAHMS bedroom so 6 AC/H has been utilised, reference to natural ventilation will be removed.	Now updated	x	x	✓
27	B-S4-004, no supply air.	Supply air reference will be added.	Now updated	x	x	✓
28	G-S6-016, Cooling - Yes, Cooling Type – None.	Comfort cooled fresh air is now noted.	Now updated	x	x	✓
29	G-Q1-007, Cooling – No, Cooling Type - Comfort cooled fresh air.	Cooling note removed.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
30	G-Q1-161, Heating type – Adjacent space transfer air, supply at 10 l/s/p positive pressure. Diagnostic rooms, "To suit location"	This room is part of corridor and shares heating and ventilation with corridor.	No action required	x	x	✓
31	G-A1-004, supply 4 ac/h extract 3 ac/h positive, different to other diagnostic rooms.	We have treated this room like an office.	No action required	x	x	✓
32	Confirm where natural ventilation, i.e. 1-B1-063/065/067.	Extent of ventilation clarified on schedule.	Now updated	x	x	✓
33	3-C1.3-018, supply 4 ac/h extract 3 ac/h positive, different to other offices.	Air change rates utilised are in line with cellular offices	No action required	x	x	✓
34	1-L1-005 Resus area 30m2 with extract at 3 ac/h.	This room has been updated on the matrix.	Now updated	x	x	✓
35	G-A1-028/029, Resus area with central general extract with supply at 10 ac/h extract at 6 ac/h.	Ventilation type for these rooms has been updated in line with design.	Now updated	x	x	✓
36	Consider absence detection to all offices, meeting rooms and node rooms.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	x	x	✓
37	1-D3-002 Circulation Equipment Storage Bays, all others are presence detection.	Automatic controls added.	Now updated	x	x	✓
38	Disposal hold, LG2 recommends 200 lux.	100 lux will be changed to 200 lux.	Now updated	x	x	✓
39	IPS rooms normal lux stated as n/a.	200 lux will be added to the matrix.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
40	G-F1-028, 030, 053, 045 and 1-L1-028 are described as offices but have local lux of 1000.	Local lux figures to be removed.	Now updated	x	x	✓
41	Anaesthetic rooms, LG2 recommends local lux 1000 and Ra 80.	Ra 80 has been noted in the environmental matrix and 1000 lux is for local lighting but 500 lux is for general; all as noted in the environmental matrix.	No action required	x	x	✓
42	Theatre exit bays (transfers), LG2 recommends normal lux 300 local lux not required and Ra 80.	500 lux will be dropped to 300 lux, Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
43	Preparation rooms and scrub up, LG2 does not require local lux 10,000 – 100,000, or Ra 90.	Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
44	Theatre utility rooms, LG2 recommends local lux 100 – 150 and does not require local lux 10,000 – 100,000, or Ra 90.	500 lux will be dropped to 150 lux, RA 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
45	Recovery areas, LG2 does not require local lux 1000 but does recommend Ra90.	RA 80 will be increased to Ra 90 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	x	✓
46	Nurse/touchdown bases not shown to have night lighting, confirm this achieved by dimming.	All night lighting is achieved by dimmable fittings.	No action required	x	x	✓
47	Resus trolley bay 1-D1-009 to be as other trolley bays, Ra 80 and presence detection.	1-D1-009 will be updated to reflect other trolley bays.	To be updated	x	x	✓
48	Review colour rendering, e.g. theatre suite, prep, anaesthetic, scrub utility, exit bay all Ra 80. Review consult/ examination rooms to have the higher colour rendering of Ra 90. All to be as CIBSE LG2.	RA 90 is currently shown in theatres, preparation rooms, scrub rooms, utility rooms and exit bay. Anaesthetic room will be changed to Ra90 from Ra80. We feel that the consultant room are general treatment rooms so should remain as Ra80; where Ra90 is required, it will be achieved via the examination luminaire.	Environmental Matrix updated and drawings to be updated	✓	x	✓
49	No absence detection or daylight control detailed included from drawings.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	x	x	✓

RHSC & DCN
Environmental Matrix Comments
Second Batch



Wallace Whittle

NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
50	Medical location column states "See Guidance Notes" for every entry and not mentioned in those guidance notes.	This has been superseded by the risk profile document which sets out the medical grouping and classification. Column has been removed.	Now updated	x	x	✓

Environmental Matrix - Guidance Notes

- 1 The workbook is prepared for the Financial Close Stage as an easier reference tool to replace ADB RDS M&E Sheets for the Environmental Criteria elements as described on these sheets.
- 2 The services matrices are produced from the Schedule of Accommodation Sheets.
- 3 The design of the HVAC systems to the theatres shall be in accordance with SHTM 03-01.
- 4 Where radiant panels are indicated in any room in these matrices, detailed design development may remove the need for these without detriment to environmental temperature. This design development is dependant on actual room layout - i.e. whether a room is located adjacent to an external wall, ground bearing floor, roof surface or is internal.
- 5 Ventilation air change rates and the use of natural ventilation in Patient Areas shall be reviewed throughout the detail design process to ensure a maximum internal temperature of 25°C (dry bulb) is not exceeded during normal occupancy. This criteria shall also apply to cellular and open plan office spaces.
- 6 Maximum internal temperatures listed relate to normal occupancy and Summer Design Conditions; External Summer Conditions for Cooling Plant Selection as per SHTM2025, Enthalpy 54kJ/kgda, 26deg Cdb, 19deg C wb. External Winter Conditions as per CIBSE Guide A Table A 2.2 for locality = -6°C for Heat Losses, and as SHTM 2025 for locality = -10°C for AHU Ventilation Plant design.
- 7 Examination lamp notes where listed are provisional. Detailed requirements (fixed, mobile, illumination) will be detailed on C sheets as agreed from signed off 1:50 RDS, which shall take precedence over this schedule.
- 8 All lighting levels are derived from CIBSE Lighting Guide LG2.
- 9 Colour rendering refers to CIBSE Lighting Design Guide and will be applied throughout.
 - *80* Normal
 - *90* Enhanced to provide close as possible match to natural light for clinical purposes
- 10 Thermostatic Mixing Devices - SHTM 04-01 Guidance shall be employed for specific TRV Type versus listed Area/Activity.
- 11 Standby Lighting to be Grade A throughout.
- 12 The internal temperature in naturally or mechanically ventilated rooms shall not exceed the maximum temperature as listed on these Environmental Matrices provided external summer design criteria is not exceeded.
- 13 Note Deleted
- 14 Local Control BMS Temperature Sensors for ducted reheat zones and chilled water castles for hotspots shall be provided with local range adjustment to +/- 2°C of BMS Set Point. BMS set point shall be adjustable via operator/user dialogue through formal FM
- 15 **Typical bedroom** - Design Criteria - SHTM 03-01 Clause 2.11 - internal temperatures in patient areas should not exceed 28°C db for more than 50 hrs per year. Appendix 1 SHTM 03-01 gives 16°C to 28°C float range. NHSL however require that the maximum internal design temperature should not exceed 25°C for more than 50 hrs per year.

HPU bed areas - Design Criteria - HBN 2/7 gives specific guidance as well as SHTM 04-01 - Appendix 1 for air change rates - 10achr supply, 18°C to 25°C control range (Capability shall be provided but not at the summer and winter external ambient design extremes against the internal maximum and minimum range conditions).

The department will be comfort cooled and controlled on a zonal basis.

Central AHU to be provided with blank section for future provision of humidification.

Post theatre recovery areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 15achr S&E, 18°C to 25°C control range (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions).

Critical Care areas - Design Criteria - SHTM 03-01 - Appendix 1 for air change rates - 10achr Supply for isolation cubicles, 18°C to 25°C control range (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions). NHSL may require specific rooms to have a control range up to 28°C.

Central AHU to be provided with blank section for future provision of humidification.
- 16 **Corridor** ventilation may be either mechanical or where the opportunity exists natural. To be determined during detailed design with due regard to clinical functionality.
- 17 **Single Room WC** - SHTM 03-01 Appendix 1 suggests 3achr extract air change rate only. We have applied 10achr extract rate to provide a more robust rate of extract.
- 18 **Diagnostic Rooms** - (X Ray, CT Scanner, MRI Scanners, Gamma Camera) air change rates listed at 8achr. Actual air change rate must be derived through room heat gain analysis and actual equipment guidance.
- 19 **Operating Theatre Laminar Flow/UCV Requirements** - Refer to Operational Policy Documents for specific theatres which require Laminar Flow/UCV canopy style ventilation solution.

Central AHU to be provided with blank section for future provision of humidification.

Operating Theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged on the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation.
- 20 **Small workshop Areas** - Local Extract Ventilation (LEV) unit requirement to be determined from room equipment schedules.
- 21 **Note that Isolation Suite ventilation solutions for this project shall follow HBN 4 Supplement 1 Section 4 Item 4.8 Guidance i.e.**

A common departmental AHU shall be employed to provide supply air ventilation (and shall therefore employ duty & standby fans);

Isolation Rooms En Suite Extracts shall be provided with an independent Isolation Room inlet extract ventilation system.

Isolation Rooms En Suite Extracts shall be provided with either externally located 3 mtr high discharge stack in a safe location or with extract filters (H14) within a safe change housing outside the building on the suction side of the fan.

Heating & Cooling the Isolation Suites shall be provided via the ventilation system.
- 22 **Retail Provision** - Service provisions listed are Infrastructure only for future fit-out by retailer. (Fire detection shall be provided to assist completion).
- 23 **Comfort Cooled Fresh Air** - Where noted as such on the matrix, these are provided via departmental air handling plant via chilled water cooling coils.
- 24 **Body View Room** - A cooling blanket or cooling coil shall be used in this room.
- 25 All signature rooms (17no. off) will be treated as sealed rooms with Supply at 6achr and Extract to match to achieve a balanced pressure.
- 26 **Single Bedroom** - The design philosophy for ventilation is for a mixed mode operation where natural vent is encouraged which has benefits both physiological with users being partly in control, and from an energy stand point where mechanical vent loading is partly reduced (2/3rds). This strategy results in zero pressure differential regime within the room where supply and extract is balanced. En suite dirty extract volume flow rate has been increased to achieve a balanced ventilation system.

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (general)	Cooling (type)	Ventilation (type)	Supply (lit/hr)	Extract (tech)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Light lux	Local lux	Standby grade	Colour render	Control	Notes	
G-A1-002	A1 Emergency Department	Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	190	190	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-003		Shop - Analgesic Gas Collection	1	Storage Area Med Gas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	190	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-004		Processing Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	190	1000	A	80	Switch / Control	General working plane 1m	
G-A1-005		Changing Outlets	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Act	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1	1	Positive	F7	43	41	100	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-006		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	No	Central Supply and Extract	1	1	Balanced	F7	43	41	300	190	1000	A	80	Switch / Control	General working plane 1m	
G-A1-007		Dirty Utility	1	Dirty utility	28	18	None	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-008		Wetroom Basin	1	Dirty utility	28	18	None	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-009		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-010		Laboratory - Near Patient Testing / Status	1	Laboratory	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	40	500	190	None	A	80	Switch	Desk 0.75 to 0.85m	
G-A1-011		Linen Bay (1 Trolley)	1	Linen Bay	25	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	Negative	None	43	190	190	190	None	A	80	Automatic Controls	Floor 3m
G-A1-012		Treatment Room 8: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-013		Treatment Room 10: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-014		Treatment Room 6: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-015		Treatment Room 11: Dual Access (Medical Heat)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-016		Staff & Communication Base	1	Reception	28	18	Radiant Panels	Remote Sensor Act	No	None	None	None	1	1	Negative	None	43	190	300	190	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-017		Store - Dispensing Drugs	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-018		Treatment Room 7: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-019		Treatment Room 12: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-020		Treatment Room 9: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-021		Treatment Room 13: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-022		Treatment Room 9: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-023		Supplies Base	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Act	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-025		Treatment Room 14: Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	190	1000	A	90	Switch	Bed / Trolley 1.45m	
G-A1-026		Main Entrance Draught Lobby	1	Circulation Area - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	None	0	0	Balanced	None	190	190	200	190	None	A	80	Automatic Controls	Floor 3m
G-A1-028		Resuscitation Room - 1 person	1	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Hot Recovery of Air	Central Supply and General Extract	10	6	Positive	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-029		Resuscitation Room - 2 person	1	Resuscitation Bay	25	18	Radiant Panels	None	Yes	Hot Recovery of Air	Central Supply and General Extract	10	6	Positive	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-030		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-031		Body Viewing Room	1	Body View	25	15	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	5	Negative	F7	43	190	190	190	None	A	80	Switch / Control	Floor 3m	
G-A1-032		Sitting Room	1	Common room/staff room lounge	28	18	Radiant Panels	Remote Sensor Act	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	190	None	A	80	Switch	Floor 3m	
G-A1-033		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-034		Store - Major Incident / Ambulance Equipment	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-035		Triage Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Coil	Central Supply Air	10	0	Positive	F7	43	41	300	190	1000	A	80	Switch	Bed / Trolley 1.45m	
G-A1-036		Reception/2 staff	1	Reception	28	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply Air	2	2	Positive	G4	43	190	200	190	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A1-037		Parking Bay 6 wheelchairs	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-038		Main Entrance Draught Lobby	1	Circulation Area - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	None	0	0	Balanced	None	190	190	200	190	None	A	80	Automatic Controls	Floor 3m
G-A1-039		Parking Bay 3 incident trolleys & 3 ambulances	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-040		Store - Equipment & Supplies	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	190	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-041		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-042		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-043		Female Staff Changing and Lockers: 20 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Act	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1	1	Positive	F7	43	41	100	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-044		Staff Shower - ambulant	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-045		Waiting Area inc Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Act	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	190	300	190	None	A	80	Switch	Floor 3m	
G-A1-046		Baby Ward / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-047		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-048		Male Staff Changing Room and Lockers: 20 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Act	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1	1	Positive	F7	43	41	100	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-049		Staff Shower - ambulant	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m	
G-A1-050	Consultation (Ward - 8 person)	1	Callister / Ward Offices	28	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	190	300	190	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-A1-052	Work Manager's Office	1	Callister / Ward Offices	28	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	190	300	190	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-A1-053	Interviewing Room - 4 persons	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6 people at 10 lit per person (Nacht)	6 people at 10 lit per person (Nacht)	Balanced	F7	43	190	300	190	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-A1-054	Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	Negative	None	43	190	190	190	None	A	80	Switch	Floor 3m	
G-A1-055	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	190	None	A	80	Automatic Controls	Floor 3m		
G-A1-056	OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	190	190	190	None	A	80	Automatic Controls	Floor 3m		

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (grossed)	Cooling (typical)	Ventilation (typical)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Mn. Strains	Surface Temp	Water Temp	Normal Air	Night Air	Local Air	Stability grade	Colour render	Control	Plane
G-A1-057		Medical Staff / Nurse / Reception Office (10 Finest)	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	15	43	n/a	1000	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A1-058		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-059		Store - Stock & Sterile Supplies	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-060		Treatment Room 2: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-A1-061		Treatment Room 4: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-A1-062		Treatment Room 2: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-A1-063		Pantry - Staff / Patient	1	Pantry	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-A1-064		Treatment Room: Single Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-A1-065		Store - Plaster	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-066		Plaster Suite (2 bays)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	7	7	Balanced	F1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-A1-067		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A1-070		Ward - 4 Bay Bed	1	Ward, 4 Bay Bed	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-002		Single Bedroom 15 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-003		En-suite wheelchair accessible WC, Shower & wash	14	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-004		Single Bedroom 18 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-005		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-006		Single Bedroom 16 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-007		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-008		Reception/Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	0	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-A2-009		Single Bedroom 20 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via entrails	Balanced	F1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-010		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-011		Touchdown Base 4	4	staff base	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	2 people at 100lper person (11ach)	2 people at 100lper person (11ach)	Balanced	F1	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-012		Single Bedroom 17 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-013		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-014		Single Bedroom 21 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-015		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-016		Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-017		Single Bedroom 14 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-018		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-019		Single Bedroom 32 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via entrails	Balanced	F1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-020		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-021		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-A2-022		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-023		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-024		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-025		Linen Bay (1 Trolley)	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-026		Touchdown Base 3	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 people at 100lper person (11ach)	2 people at 100lper person (11ach)	Balanced	F1	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-027		Mult Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	N/A	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-028		4 Bed Room	1	Mult-Bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via entrails	positive to entrails	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m
G-A2-029		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-030		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-031		Single Bedroom 14 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via entrails	Balanced	F1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-032		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-033		Single Bedroom 13 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-034		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-035		Single Bedroom 12 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via entrails	Balanced	F1	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-036		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-037		Single Bedroom 11 (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via entrails	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-A2-038		En-suite wheelchair accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-A2-039		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-A2-040		Dining / Play Room	1	Common room staff lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-A2-041		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	8	Negative	None	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m

Room No.	Department	Room Name	Qty	Room Function	Temp (winter)	Temp (summer)	Heating Type	Heating Control	Cooling (pressure)	Cooling (type)	Ventilation (type)	Supply (ach/s)	Extract (ach/s)	Relative pressure	Min. stratification	Surface temp	Water temp	Normal lux	Height (m)	Local lux	Standby grade	Colour render	Control	Plans
G-A2-042	Acute Receiving Unit - 34 Beds	Single Bedroom 10 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-043		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-044		Single Bedroom 3 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-045		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-046		4 Bed Room	1	Multi-bed Wards	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Natural and Central Supply Air	4	via ensuite	possible to ensuite	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-047		WC Accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-048		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-049		Touchscreen Desk	1	Staff base	20	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	10	10	Neutral	10	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-050		Single Bedroom 8 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-051		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-052		Single Bedroom 7 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-053		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-054		4 Bed Room	1	Multi-bed Wards	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Natural and Central Supply Air	4	via ensuite	possible to ensuite	10	43	41	150	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-055		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-056		WC Accessible	1	Toilet	26	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-058		Single Bedroom 6 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-059		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-060		Single Bedroom 5 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-061		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-062		WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-063		Linon Bay (1 Traylay)	1	Storage Area Equipment	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-064		Store - Equipment	1	Storage Area Equipment	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-065		Single Bedroom 4 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-066		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-067		Single Bedroom 3 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-068		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-069		Touchscreen Desk	1	Staff base	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Central Supply and Extract	Central Supply and Extract	2 people at 10 l/s per person (10ach)	2 people at 10 l/s per person (2ach)	Balanced	10	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-070		Single Bedroom 2 (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-071		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-072		Single Bedroom - (RHSC)	1	Bedroom	20	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m
G-A2-073		En suite wheelchair-accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-074		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	20	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	n/a	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-A2-075	Store - General	1	Storage Area Equipment	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-A2-076	Patients Assisted Bathroom	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-A2-077	Multi-Occupancy Office	1	Multi Occupancy Work Area	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	1	4	Positive	10	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-078	Work Management Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	10	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-079	TOCC - Consultant Office & Reception	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	10	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-080	DSR	1	DSR	20	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	50	100	n/a	None	A	80	Automatic Controls	Floor 9m	
G-A2-081	Phone Conferences/Meetings	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	3	Positive	10	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-082	Disposal Hold	1	Disposal Hold	20	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Switch / Dimmer	Floor 9m	
G-A2-083	Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (6ach)	6 people at 10 l/s per person (6ach)	Balanced	10	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-084	Dirty Utility	1	Dirty Utility	20	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-A2-091	Staff Room	1	Common (multi) room/ lounge	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	10	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 9m	
G-A2-093	Seminar & Training Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	22 people at 10 l/s per person (22ach)	22 people at 10 l/s per person (22ach)	Balanced	10	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-A2-095	Meeting - Case Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	25 people at 10 l/s per person (25ach)	25 people at 10 l/s per person (25ach)	Balanced	10	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-B1-003	Halfway Equipment Store	1	Storage Area Equipment	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
1-B1-005	Staff Room	1	Common (multi) room/ lounge	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	10	43	41	300	n/a	None	A	80	Switch / Dimmer	Floor 9m	
1-B1-004	Screening Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	10	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-B1-005	WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
1-B1-006	WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
1-B1-007	Equipment Service Room	1	Small Workshop	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	10	43	41	300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-B1-008	IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. liters/sec	Surface temp	Water temp	Recessed lum	Height lum	Lateral lum	Staircase	Colour number	Control	Plane
1-01-003	PCU and HDU's - 14 Beds	Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-010		Open Plan Bay (4 beds)	1	Storage Area Med Gas	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	7	via ensuite	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-011		Multidisciplinary Work Area PCU	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	4	Positive	77	43	19	400	19	1200	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-012		Staff Area	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	19	400	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-014		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-015		Gowning Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	54	0	Positive	77	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-016		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-017		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-018		Gowning Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	52	0	Positive	77	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-019		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-020		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-021		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-023		Staff Area	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	19	400	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-024		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	3	via ensuite	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-025		Gowning Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	52	0	Positive	77	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-026		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-027		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-028		Bed Patient Chair / Buggy Storage	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-029		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-030		Linens Bay (1 Trolley)	1	Linens Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	3	via ensuite	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-031		Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-032		Patients Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-033		Gowning Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	45	0	Positive	77	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-034		Linens Bay (1 Trolley)	1	Linens Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	3	via ensuite	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-035		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-036		Single Bed Isolation Cubicle	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-037		Single Bed Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
1-01-038		Staff Area	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	19	400	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-039		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-041		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	77	43	41	100	5	300	A	80	Automatic Controls	General working plane 1m
1-01-042		Multidisciplinary Work Area HDU	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	77	43	19	400	19	1200	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-043		Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	6	Balanced	77	43	60	500	19	None	A	80	Switch	Desk 0.75 to 0.85m
1-01-044		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-045		Quat / Ironing Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Max Minimal Unit	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	77	43	19	300	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-046		Store - Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-047		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5 people at 10 l/s per person (6ach)	5 people at 10 l/s per person (6ach)	Balanced	77	43	19	300	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-048		On call consultant	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	77	43	19	400	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-049		Referral Team	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Max Minimal Unit	Central Supply and Extract	6	4	Positive	77	43	19	400	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-050		Bulk Supplies Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-051		Extra Manager & Supervisor Office (2 person)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	4	Positive	77	43	19	400	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-055		Waiting Area (Visitors)	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	43	19	300	19	None	A	80	Switch	Floor 2m
1-01-056		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-057		X-Ray Processing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	77	43	41	300	19	1300	A	80	Switch / Dimmer	General working plane 1m
1-01-058		Mobile X-Ray (Recessed Bay)	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Positive	77	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-059		Cardiac Echo/ECG Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m
1-01-060		Seminar Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	19 people at 10 l/s per person (7ach)	19 people at 10 l/s per person (7ach)	Balanced	77	43	19	300	19	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-01-061	Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	19	200	19	None	A	80	Automatic Controls	Floor 2m	
1-01-062	WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	19	None	A	80	Automatic Controls	Floor 2m	
1-01-063	Open Plan Bay (4 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0.5	positive	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-01-064	Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	19	None	A	80	Automatic Controls	Floor 2m	
1-01-065	Open Plan Bay (2 beds)	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	via ensuite	positive to ensuite	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-01-066	Clean Utility (New-Natal)	1	Clean Utility	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	77	43	41	100	19	None	A	80	Automatic Controls	General working plane 1m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (sector)	Extract (sector)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Bandwidth grade	Colour render	Control	Plane
1-B1-067		Gas Cylinder Store	1	Storage Area Med Gas	28	18	Radiant Panels	Remote Sensor Adj	No	None	General Central Extract	0	0	0	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-068		Baby Ward / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj	Yes	via Manual Ltd	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-069		Staff Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-B1-071		Renovation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-072		Drug Dispensing Area (3 Storeys)	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-073		Parity / Milk Store	1	Parity	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
1-B1-074		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-075		Single Cot Cubicle	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
1-B1-077		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-079		Relative Overnight Stay Room	1	Relatives Overnight Stay	28	20	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	FF	43	41	100	n/a	None	A	80	Switch	Bed / Tray 1.45m
1-B1-079		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-080		WC - Relatives	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-082		Relative Overnight Stay Room	1	Relatives Overnight Stay	28	20	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	FF	43	41	100	n/a	None	A	80	Switch	Bed / Tray 1.45m
1-B1-083		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-B1-084		Relative Sitting Room	1	Common room/staff room-lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette-Cooled Water	Central Supply and Extract	0	0	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
1-B1-084		Equipment Cleaning	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-002		IPS Room	1	IPS Room	20	18	Adjacent Space Transfer Air	None	No	None	General General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-003		Ward Impairment Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-004		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-005		En-suite trolley shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-006		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Heating	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-007		Hold Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	0	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-008		Sitting Room / Lounge	1	Common room/staff room-lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-1-008		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-010		En-suite trolley shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-011		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10/15 per person (each)	1 person at 10/15 per person (each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	85	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-012		Renovation Trolley Bay	1	Renov Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	0	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-013		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-014		En-suite trolley shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-015		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-016		En-suite trolley shower	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-017		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-018		4 Bed Room	1	Mum-bed Wards	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-019		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-020		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-021		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8 people at 10/15 per person (each)	8 people at 10/15 per person (each)	Balanced	FF	42	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-1-022		Store - Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-022		Ward Kitchen	1	Ward Kitchen	26	18	Adjacent Space Transfer Air	Remote Sensor Adj	Yes	Ceiling Cassette-Cooled Water	Central General Extract	0	6	Negative	n/a	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-1-024		Linen Bay (1 Trolley)	1	Linen Bay	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-025		Store - General	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-026		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-027		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-028		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-028		Mobile X-Ray/trasound Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-030		Multi-disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-031		Reception / Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj	Yes	via Manual Ltd	Central Supply Air	0	0	Positive	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-032		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Heating	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-033		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-034		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-035		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Heating	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	38	0	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-036		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-1-037		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (min)	Temp (max)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (factor)	Extract (factor)	Relative pressure	Min. stratification	Surface temp.	Water temp.	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane
3-C1-1-038		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor As	No	None	Central Supply and Extract	1 person at 10l/s per person (l/s)	1 person at 10l/s per person (l/s)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-039		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	50	0	Positive	F14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-040		Single Isolation Bedroom	1	isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	F14	43	41	100	5	300	A	80	Automatic Controls	Bed / Trolley 1.45m
3-C1-1-041		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	43	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-042		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-1-043		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1300	A	90	Switch	Bed / Trolley 1.45m
3-C1-1-044		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-045		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	0	Positive	F7	43	41	500	n/a	1300	A	90	Switch	Bed / Trolley 1.45m
3-C1-1-046		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-047		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-048		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-049		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-050		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Calling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-1-051		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10l/s per person (l/s)	1 person at 10l/s per person (l/s)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-052		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-053		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-054		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-055		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-056		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-057		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-058		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-059		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-060		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-061		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-062		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10l/s per person (l/s)	1 person at 10l/s per person (l/s)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-1-063		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-064		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-065		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-066		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-067		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-1-068		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-1-070		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-002		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-003		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-004		Linen Bay (1 Trolley)	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	5	via	None	43	n/a	100 / 1200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-005		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-006		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-007		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-008		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-009		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10l/s per person (l/s)	1 person at 10l/s per person (l/s)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-2-010		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-011		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-012		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-013		DGR	1	DGR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	5	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-014		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-015		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-016		Hoist Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	5	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-017		Patients' Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-018		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-019		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-020		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-C1-2-021		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (present)	Cooling (Type)	Ventilation (Type)	Supply (lit/s)	Extract (lit/s)	Relative pressure	Min. Illumination	Surface Temp	Water Temp	Normal Lux	Height Lux	Local Lux	Standby grade	Colour number	Control	Plane
3-C1-2-022	C1.2 Surgical Long Stay Inpatients - 15 Beds	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (lit/s)	1 person at 10 l/s per person (lit/s)	Balanced	21	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-2-023		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	Positive to insulate	21	42	41	100	5	300	A	80	Automatic Controls	Bed / Tray 1.45m
3-C1-2-024		WC Accessible	1	Toilet	28	18	Flashed Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-025		WC Accessible	1	Bathroom	28	20	Flashed Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-026		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	Positive to insulate	21	43	41	100	5	300	A	80	Automatic Controls	Bed / Tray 1.45m
3-C1-2-027		WC Accessible	2	Toilet	28	18	Flashed Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-028		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	21	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-2-029		Resuscitation Trolley Bay	1	Resus Trolley Bay	28	18	Radiant Panels	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-030		Store - Equipment	1	Storage Area Equipment	28	16	Flashed Panels	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-031		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	21	42	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-2-032		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	16	0	Positive	27	43	41	500	n/a	1000	A	90	Switch	Bed / Tray 1.45m
3-C1-2-033		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (lit/s)	3 people at 10 l/s per person (lit/s)	Balanced	27	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-2-034		Ward Kitchen	1	Ward Kitchen	28	18	Flashed Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	0	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-2-035		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 people at 10 l/s per person (lit/s)	4 people at 10 l/s per person (lit/s)	Balanced	21	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-2-036		Reception / Staff Base	1	Reception	28	18	Flashed Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (lit/s)	0	Balanced	21	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-2-037		Discharge Lounge	1	Common room staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Negative	21	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-2-038		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-039		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-040		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-041		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-2-042		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (lit/s)	1 person at 10 l/s per person (lit/s)	Balanced	21	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-2-043		Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	21	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-2-044		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-002		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	0	Balanced	27	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
3-C1-3-003		Reception / Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	W/ Manual Lock	Central Supply Air	3	0	Balanced	21	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-004		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-005		Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-006		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (lit/s)	1 person at 10 l/s per person (lit/s)	Balanced	21	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-3-007		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Reheat Battery	Local BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	84	0	Positive	21	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-008		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	21	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-3-009		En-suite wheelchair-accessible WC Shower & wash facilities	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	43	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-010		En-suite	1	Bathroom	28	20	Flashed Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-011		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to insulate	21	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-3-012		Wardroom	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-013		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	Positive to insulate	21	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
3-C1-3-014		En-suite	1	Bathroom	28	20	Flashed Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-015		Resuscitation Trolley Bay	1	Resus Trolley Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-016		Linen Bay	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-017		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-018		Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	21	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-019		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (lit/s)	4 people at 10 l/s per person (lit/s)	Balanced	21	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-020		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	27	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-3-021		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-022		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-023		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-024	Smoker Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	21	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m	
3-C1-3-025	Rehabilitation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	21	43	41	300	n/a	1000	A	80	Switch	Bed / Tray 1.45m	
3-C1-3-026	Hot Bay	1	Climate Control Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-3-027	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (lit/s)	1 person at 10 l/s per person (lit/s)	Balanced	21	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-3-028	Single Bedroom (RHSC)	1	Bedroom	28	19	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	27	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m	
3-C1-3-029	En-suite wheelchair-accessible WC Shower & wash facilities	1	Bathroom	28	20	Flashed Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-3-030	Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	27	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m	

Room No.	Department	Room Name	City	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac ft)	Extract (ac ft)	Relative Humidity	Min. Airflow	Surface Temp	Water Temp	Thermal Strat	Height ft	Local Int	Standby grade	Colour render	Control	Plane
3-C1-3-001	Haematology / Oncology Inpatients & Outpatients	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-002		Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-3-003		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-004		Ward Kitchen	1	Ward Kitchen	20	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-3-005		Patient's Assisted Bathroom	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-006		Dry Utility	1	Dry Utility	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-007		Treatment Room	1	Treatment Room	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
3-C1-3-008		Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
3-C1-3-009		Dining / Play Room	1	Eating/Drinking	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6 people at 10 l/s per person (Each)	6 people at 10 l/s per person (Each)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-3-040		DSR	1	DSR	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-3-041		Disposal Hold	1	Disposal Hold	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-002		Clear Study Room	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-004		Disposal Hold	1	Disposal Hold	20	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-005		DSR	1	DSR	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-006		Store - General	1	Storage Area Equipment	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-007		Patient Interview Room	1	Meeting Room	20	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (Each)	4 people at 10 l/s per person (Each)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-008		Complementary Therapy Room	1	Consulting Room	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1200	A	80	Switch	Bed / Trayley 1.45m
3-C1-4-009		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-010		Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-4-011		Patient's Assisted Bathroom	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-012		Touchdown Base	1	Staff base	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
3-C1-4-013		Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
3-C1-4-014		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-C1-4-015		Nichols Lounge/Social Space	1	Common room/social room/lounge	20	18	Radiant Panels	Remote Sensor As	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	6	0	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-4-016	Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-4-017	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-018	Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-4-019	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-021	Hold Bay	1	Circulation Equipment Storage Bay	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-022	Dry Utility	1	Dry Utility	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-023	Pharmacy Base	1	Consulting Room	20	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1200	A	80	Switch	Bed / Trayley 1.45m	
3-C1-4-024	Multi-Disciplinary Office	1	Multi-Disciplinary Work Areas	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-025	Interview Staff Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	500	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-026	Consultant Office (5 persons)	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-027	Store - Equipment	1	Storage Area Equipment	20	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-028	Nursing Staff Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-029	Nursing Staff Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	500	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-030	Ward Management Office	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-032	Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-4-033	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-034	Touchdown Base	1	Staff base	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-4-035	Linen Bay (1 Trayley)	1	Linen Bay	20	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	100/300	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-036	WC - Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-037	WC - Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-038	Treatment / Clean Utility	1	Treatment Room	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
3-C1-4-039	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	20	21	Alarm Air - Fullway Adjustable	Local (BMS) Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	10.0	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-040	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	20	21	Alarm Air - Fullway Adjustable	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	10.0	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-4-041	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-042	En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	20	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-043	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	20	21	Alarm Air - Fullway Adjustable	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	10.0	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m	
3-C1-4-044	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	20	18	Alarm Air - Fullway Adjustable	Local (BMS) Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	64	0	Positive	10.0	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-045	Touchdown Base	1	Staff base	20	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (Each)	1 person at 10 l/s per person (Each)	Balanced	77	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (min)	Temp (max)	Heating Type	Heating Control	Cooling (press)	Cooling (type)	Ventilation (type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Mitigation	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plans	
3-C1-4-046	Geriatrics - 17 Beds & 2 Chairs	Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-047		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-048		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	63	0	Positive	114	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-049		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	114	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-050		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-051		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-052		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	114	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-053		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	61	0	Positive	114	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-054		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-055		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-056		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-057		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-058		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-059		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-060		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-061		Multi-Bed Room, day care, 4 beds & 2 chairs	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Natural and Central Supply Air	4	via ensuite	positive to ensuite	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-062		En-Suite Multi Bedroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-063		Play Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-4-064		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m	
3-C1-4-065		Foodstore Room	1	Foodstore Room	28	16	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	18	4	Positive	17	43	41	100	n/a	1000	A	80	Switch	Bed / Tray / 1.45m	
3-C1-4-066		Clean Utility	1	Clean Utility	48	19	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	0	Positive	17	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-C1-4-067		WC, Vessels	1	toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-068		Washing Area	1	Washing Area	28	14	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply via Extract	3	0	Exhaust	17	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-4-069		Washing Area	1	Washing Area	28	14	Radiant Panels	Remote Sensor Act.	No	None	Water Mounted Unit	Central Supply via Extract	3	0	Exhaust	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-4-070		Isolation Bedroom & Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	66	5	Positive	114	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-071		Single Isolation Bedroom & Ensuite	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	10 via the ensuite	Balanced	114	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-072		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-073		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-074		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-075		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-076		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-077		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-078		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	150	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-079		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	via ensuite	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-080		Reception Base 4	1	Reception	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	17	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-4-081		Reception (TV)	1	Reception	28	18	Underfloor Heating	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Balanced	17	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-4-082		Dry Utility	1	Dry Utility	28	14	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-4-083		Multi-Bed Day Room/day care	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray / 1.45m	
3-C1-4-084		En-suite Multi Bedroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-085		Equipment Bay	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Act.	No	None	None	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-4-086	Consulting Room	1	Consulting Room	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	0	Balanced	17	43	41	100	n/a	1000	A	80	Switch / Dimmer	Bed / Tray / 1.45m		
3-C1-4-087	Storage Bay	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	n/a	None	A	80	Switch / Dimmer	Floor 0m		
3-C1-5-002	Med / Surg / Neuro / Haemo Shared Support	Store - back up clothing	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-003		Family Sitting Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-5-004		Baby Ward / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-005		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-006		Bread Pump Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Act.	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-007		WC-Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-5-008		WC-Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-6-001		C1.6 Adolescent Shared Accommodation	Dining / Recreation Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-C1-6-002			Quiet Room / Study	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-7-002			EEG Power Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	17	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C1-7-003	C1.7 Paediatric	EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Balanced	17	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Stairway grade	Colour code	Control	Plane	
3-C1-7-004	Neurophysiology	EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
3-C1-7-005		Evoked Potential Recording Room	1	Diagnostic room	25	18	Warm Air - Rheostat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
3-C1-8-002	Surgical Short Stay Inpatients - 14 Beds	Disposal Hold	1	Disposal Hold	25	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-003		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-005		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-006		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-007		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-008		WC - Walkers	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-009		Dining / Play Room	1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5 people at 10 l/s per person (7ach)	5 people at 10 l/s per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C1-8-010		Ward Kitchen	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
3-C1-8-011		Reception Desk/Staff Base	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply Air	3	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C1-8-012		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-013		Store - General	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-014		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-C1-8-015		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
3-C1-8-016		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1-8-017		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-018		WC Wheelchair Accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-019		Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10l/s per person (7ach)	1 person at 10l/s per person (7ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-C1-8-020		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	6	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-021		Single Bedroom (RHSC)	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-022		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-023		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-024		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-025		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-026		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-027		4 Bed Room	1	Multi-bed Wards	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	switch / dimmer	Bed / Trolley 1.45m	
3-C1-8-028		WC Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-029		En-suite Shower / WC / WHB	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-030		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-031		En-suite Shower / WC / WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-032		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C1-8-033		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	continuous 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-034		Linen Bay (1 Trolley)	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	6	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C1-8-035	Patient's Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-8-036	Store - Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C1-8-037	Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-C1-8-040	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10l/s per person (7ach)	1 person at 10l/s per person (7ach)	Balanced	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m		
3-C2-033	Wards Support Areas	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C2-004		Seminar Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	15 people at 10 l/s per person (7ach)	18 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C2-005		Staff Room	1	Common nonstaff open lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
3-C2-006		Food Shower Room	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C3-002	Special Feeds Unit	Food Prep Area	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	6	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m	
3-C3-003		Wash Room	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C3-004		Office into Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-C3-005	Store - Feeds	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-C4-002	Sleep Lab	Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C4-003		En-suite wheelchair-accessible WC, Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-C4-005		Sleep Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C4-006		Parents Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	positive to ensuite	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
3-C4-007		Control Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	Central General Extract	0	2	Negative	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-C4-008	Sleep Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	F7	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure (inside vs outside)	Mn. Airflow	Surface Temp	Water Temp	Normal Use	Night Use	Local Use	Standby grade	Colour render	Control	Plane	
3-C4-009	CB	Parents Room	1	Bathroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Positive	0.1	43	41	100	5	300	A	80	Switch/Dimmer	Bed / Trolley 1.45m	
3-C4-010		En suite wheelchair accessible WC Shower & wash	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-002		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-003		Store	1	Storage Area Equipment	28	18	Remote Sensor Adj.	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-004		Primary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	7 people at 10 l/s per person (5ac/h)	7 people at 10 l/s per person (5ac/h)	Balanced	0.4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-C5-005		Upper Primary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	7 people at 10 l/s per person (5ac/h)	7 people at 10 l/s per person (5ac/h)	Balanced	0.4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-C5-006		Secondary Classroom	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	11 people at 10 l/s per person (3ac/h)	11 people at 10 l/s per person (3ac/h)	Balanced	0.4	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-C5-007		Administration Area	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.4	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-C5-008		Resource Storage	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-C5-009		WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-001	DH	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	40	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-002		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-003		Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	0.7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-D1-004		Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100-1000	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-005		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-006		Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply Air	10	0	Positive	0.7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-D1-008		Resuscitation Trolley Bay	1	Resus Trolley Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Bed / Trolley 1.45m	
1-D1-010		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	8	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-011		WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-012		Shower Room	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-013		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	0	Positive	0.1	43	43	150	n/a	None	A	80	Automatic Controls	(General working plane 1m)	
1-D1-014		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-015		Play Therapy (the messier play room)	1	Common room/Staff room lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	0.1	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-D1-016		Consult/Sub-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	0	4	Positive	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-017		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-018		Consult/Examination (Continence)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-019		Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-020		Consult/Examination (Dent)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-021		Consult/Examination (Dent)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-022		Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-023		Consult/Examination (ENT)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-025		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	0	0	Negative	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-026		Ward Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	0	0	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-027		Sub Waiting Area (and supervised play with Nurse Base)	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0.1	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D1-028		Sub Waiting Area	1	Waiting Room	28	18	Underfloor Heating	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0.1	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-D1-029		Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	Positive	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-030		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-031		Equipment / General Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-032		WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-033		Physiotherapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Cooling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-034		Mobile Heat Bay	1	Consultation Equipment Storage Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-035		Disposal Hold	1	Disposal Hold	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-D1-036		Phonics Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	None	None	0	0	Negative	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-D1-037		Reception	1	Reception	28	18	Underfloor Heating	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10 people at 10 l/s per person (5ac/h)	10 people at 10 l/s per person (5ac/h)	Balanced	0.1	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-D1-038		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-01-001		DH	Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-002			Baby Infant / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	Positive	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-003			WC wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-004			Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-005			Store Room	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-006	Disposal Hold		1	Disposal Hold	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (gross/ft)	Ceiling (typ)	Ventilation (typ)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Min. Stratification	Surface Temp	Water Temp	Humid. Int.	Light Int.	Local Int.	Standby grade	Colour render	Control	Plane	
G-01-007		DSR	1	DSR	28	18	Adjacent Space Transfer Air	Remote Sensor Adj.	No	No	Central Dirty Extract	2	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-008		Plaster Bays (3 bays)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	7	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-009		Store; Plaster	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-010		Orthotics Workshop	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	4	6	Negative	75	42	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-01-011		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-012		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-013		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-014		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-015		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-016		Physical Examination (OHM Protection)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-019		Equipment / General Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-020		Phlebotomy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-021		Child Protection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-022		Mobile Host Bay	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	0	0	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-023		Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-024		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	41	200	n/a	None	A	80	switch	Floor 9m	
G-01-025		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Heat Recovery Unit	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-026		Specimen Disabled WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-027		Renovation Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0	0	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-028		Infant Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-029		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-030		Linens Bay (1 Trolley)	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0	0	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-01-031		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	75	42	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-01-032		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-033		Treatment Room (w/ prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	75	42	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-01-034		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-035		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-036		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-037		Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-01-038		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-039		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-040		Consult/Multi-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	75	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-01-041		Supports Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	75	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-01-042		Shower Room	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
G-02-001		Cardiology & Respiratory	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	75	42	n/a	300	n/a	None	A	80	Switch	Floor 9m
G-02-003			Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	75	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-02-004			WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-02-005			Exercise Room/Lung Function Laboratory	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	0	Balanced	77	42	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-02-006			Echocardiography Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	6	8	Balanced	77	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-02-007			DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 9m
G-02-008			Store/ Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
G-02-009			ECG Procedure Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	3	Balanced	77	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-02-010			Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	4	3	Positive	75	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-02-012			Domestic Sleep Studies	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Balanced	77	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-02-013			Lung Function Laboratory	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cooled Fresh Air	Central Supply and Extract	6	0	Balanced	77	42	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m
G-02-014			Exercise Tolerance Test Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Balanced	77	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-02-015			Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Balanced	77	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-03-001			Orthoptics	Staff Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	n/a	400	n/a	None	A	80	Automatic Controls
1-03-002	Parking Bay pushchairs			1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0	0	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 9m
1-03-003	WC & handwash: specimen, wheelchair	1		Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 9m	
1-03-004	DSR	1		DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 9m	
1-03-005	Examination Room: Faits test	1		Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	42	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane	
1-03-006		C/E Orthoptic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-007		C/E Orthoptic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-008		C/E Orthoptic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-03-009		C/E Orthoptic (6 metre room)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-001	D4	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-04-002		ABR Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Neutral	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-04-003		Taxi Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Neutral	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-04-004		Specialised Clinic	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-04-005		Testing/Clinic Rooms	1	Consulting Room	25	18	Warm Air - Under Zoned	BMS / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-04-006		Obs/Control	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-04-007		Testing/Clinic Rooms	1	Consulting Room	25	18	Warm Air - Under Zoned	BMS / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-04-008		Obs/Control	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-04-009		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-04-010		Work Room	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-04-011		Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-012		Mould Room	1	Small Workshop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	200	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-05-002		D5	Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Warm Air Under Zoned	Central Supply and Extract	6	6	Balanced	F7	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-05-003			Clean Utility / Dental Store	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	6	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-05-004			Surgery (multi-disciplinary)	1	Multi-disciplinary	25	18	Warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
1-05-005			Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-05-006	Mobile Inter-visit Storage		1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-05-007	Recovery		1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Dimmer	Bed / Trolley 1.45m	
1-05-008	Surgery (standards)		1	Single Surgery	25	18	Warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-05-009	Surgery (standards)		1	Single Surgery	25	18	Warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-05-010	Surgery (standards)		1	Single Surgery	25	18	Warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-06-001	D6		Callbar / Ward Offices	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-06-002		Open Plan Office	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-003		Meeting Room - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Warm Air Under Zoned	Central Supply and Extract	8 people at 10 l/s per person (80l/s)	8 people at 10 l/s per person (80l/s)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-004		Callbar / Ward Offices	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-005		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Warm Air Under Zoned	Central Supply and Extract	4 people at 10 l/s per person (40l/s)	4 people at 10 l/s per person (40l/s)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-006		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-007		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-008		Callbar / Ward Offices	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-010		Callbar / Ward Offices	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-011		Store - TIP	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-013		Store - Dental	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-014		Store - Physio	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-015		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-016		Management Office	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-017		MRD Staff Interview/Advice Office	1	Callbar / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-018		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-019		Equipment Decontamination	1	Equipment Decontamination	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-06-020		Diagnosis Clinic	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-06-021		Diagnosis Clinic	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-06-022		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-06-023		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	3	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-06-024		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-025		Infant Measuring Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Warm Air Under Zoned	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-06-026		Linon Bay	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	100,000	n/a	None	A	80	Automatic Controls	Floor 0m	
1-06-027		Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
1-06-028		Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pressur)	Cooling Type	Ventilation Type	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	MIn Strat	Surface temp	Water temp	Normal lit	Night lit	Local lit	Standby grade	Colour render	Control	Plane	
1-04-029	Person Transport	Standard Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-030		Standard Distraction Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-031		Store - Details	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-032		Large Distraction Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-033		Standard Distraction Free Treatment Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-034		Treatment Room (OT equip)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-037		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-038		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-039		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-040		Splicing / Casting Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-041		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-042		Parity	1	Parity	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-04-043		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-044		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-045		Store - SALT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-046		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-047		Store - OT	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-048		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-049		Changing Cubicles	1	Charging Facilities	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-053		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-052		Store - Physio	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-053		Rehabilitation Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-054		Rehabilitation Room (inc CV equip)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-04-057		WC - assisted (large-changing)	1	Toilet	28	18	Radiant Panels	Remote Sensor ACS	No	None	Central Dirty Extract	0	10	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-063		Reception Bay	1	Reception Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-04-061		Heat Bay	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor ACS	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-07-001		Plastics Dressings Clinic	Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor ACS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-002			Dressings / Dressing Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-003			Dressage Room (Burns)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-07-004			Sluce	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-005			Single Telephone Booth	1	Circulation Area	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-07-006			Dressage Room (Burns)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
1-07-007	Disposal Hold		1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-06-001	Social Work	Open Plan Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-06-002		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-09-002	Medical Day Care Unit - 3 Beds	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
3-09-003		Reception 1 staff	1	Reception	28	18	Adjacent Space Transfer Air	None	No	None	Central Supply and Extract	3	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-09-004		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-09-005		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-09-006		Interview, Counselling & Quiet Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-09-007		Office and Storage 2 staff	1	Callier / Ward Office	28	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-09-008		Resuscitation Trolley Bay	1	Resus Trolley Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-09-009		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	None	None	0	0	n/a	None	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
3-09-010		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
3-09-011		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
3-09-012		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
3-09-013		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
3-09-014	Parity	1	Parity	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m		
3-09-015	Ward Management Office	1	Callier / Ward Office	28	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3-09-016	Patient Treatment Lounge	1	Treatment Room	25	18	Radiant Panels	Remote Sensor ACS	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Negative	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m		
3-09-017	Dirty Utility	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
3-09-018	Touchdown Base	1	Staff base	28	18	Radiant Panels	Remote Sensor ACS	No	None	None	0	0	n/a	None	43	n/a	200/300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (cels)	Temp (fah)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Ventilation (type)	Supply (l/s)	Extract (l/s)	Relative Humidity	Min. Illumination	Surface Temp	Water Temp	Normal Use	Height (m)	Local Air	Staircase grade	Colour render	Control	Plane	
3-D-013	D10	Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	43	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m	
3-D-020		En-suite WC / WHB	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
3-D-021		Packing Bay 1 patient trolley/wheelch	1	Circulation Equipment Storage Bays	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
3-D-022		Multi Bed Room: day care, 3 beds	1	Multi-bed Ward	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	3	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
3-D-023		En-suite wheelchair-accessible WC Shower & wash Multi	1	Bathroom	20	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
3-D-024		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	via ensuite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylee 1.45m
3-D-025		En-suite WC / WHB	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
3-D-026		Linen Bay	1	Linen Bay	20	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
3-D-027		Store - General	1	Storage Area Equipment	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
3-D-028		WC - Staff	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
3-D-029		OSR	1	OSR	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 2m	
G-E1-001		D10	Staff Room	1	Common room/staff room/lounge	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	GA	42	41	300	n/a	None	A	80	Switch	Floor 2m
G-E1-001		E1	Pod	Multi-Functional Activity Zone	1	Patient Accommodation Day	25	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	0	0	Negative	None	42	41	100	n/a	None	A	80	Switch
G-E1-002	RHSC OPD Reception			1	Reception	20	18	Underfloor Heating	BMS Adjustable Sensor	Yes	None	None	0	0	Negative	None	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-E1-003	RHSC OPD Suite A Sub Waiting			1	Waiting Room	20	18	Radiant Panels	Remote Sensor Ad.	No	None	None	0	0	Negative	None	42	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-E1-004	Wheelchair Accessible			1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-005	Wheelchair Accessible			1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-006	WC Fully Accessible changing room			4	Toilet	20	18	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-007	Wheelchair Accessible			1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-008	OSR			1	OSR	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-009	WC - Ambulant			1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-010	Wheelchair Accessible			1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-E1-011	RHSC OPD Main Waiting			1	Waiting Room	20	18	Underfloor Heating	BMS Adjustable Sensor	No	None	None	0	0	Negative	None	42	n/a	300	n/a	None	A	80	Switch	Floor 2m
G-F1-002	F01			Director/Trustee Reception/Office	1	Cellar / Ward Office	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	0	Positive	17	43	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-F1-003				Storage (waiting)	1	Storage Area Equipment	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls
G-F1-004		Nurse Manager Office	1	Cellar / Ward Office	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	0	Positive	17	43	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-005		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (l/s)	4 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-006		Reception	1	Reception	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	0	0	Positive	17	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-007		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (l/s)	4 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-008		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Not known l/s	Central Supply and Extract	4 people at 10 l/s per person (l/s)	4 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-009		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Not known l/s	Central Supply and Extract	4 people at 10 l/s per person (l/s)	4 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-010		Reception (1/2 Please Squat)	1	Cellar / Ward Office	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Not known l/s	Central Supply and Extract	4	0	Positive	17	43	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-011		Waiting Area	1	Waiting Room	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Not known l/s	Central Supply and Extract	5	5	Balanced	17	42	n/a	300	n/a	None	A	80	Switch	Floor 2m	
G-F1-012		Storage / Photocopy	1	Storage Area Equipment	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-F1-014		Secretary/Help Office	1	Cellar / Ward Office	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	0	Positive	17	43	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-016		Multi-Diagnostic Office	1	Multi Diagnostic Work Areas	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	4	Positive	17	42	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-017		Shower / WC / WHB assisted	1	Bathroom	20	20	Radiant Panels	Remote Sensor Ad.	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-F1-018		WC - Wheelchair accessible	1	Toilet	20	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-F1-019		Play Room	1	Common room/staff room/lounge	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Negative	17	42	n/a	300	n/a	None	A	80	Switch	Floor 2m	
G-F1-020		Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	13 people at 10 l/s per person (l/s)	13 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-021		Control / Viewing	1	Diagnostic room	25	18	Adjacent Space Transfer Air	None	No	None	Central Supply and Extract	3 people at 10 l/s per person (l/s)	3 people at 10 l/s per person (l/s)	Balanced	17	42	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
G-F1-022		Time Out Room	1	Common room/staff room/lounge	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Balanced	17	42	41	300	n/a	None	A	80	Switch	Floor 2m	
G-F1-023		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (l/s)	8 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-024		Large Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	130 people at 10 l/s per person (l/s)	130 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-026		Large Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8 people at 10 l/s per person (l/s)	8 people at 10 l/s per person (l/s)	Balanced	17	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-027		Sitting Room	1	Common room/staff room/lounge	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	42	41	300	n/a	None	A	80	Switch	Floor 2m	
G-F1-028		Multi-Diagnostic Office	1	Multi Diagnostic Work Areas	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	17	42	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-030		Multi-Diagnostic Office	1	Multi Diagnostic Work Areas	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	4	Positive	17	42	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
G-F1-031		Sitting Room	1	Common room/staff room/lounge	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	42	41	300	n/a	None	A	80	Switch	Floor 2m	
G-F1-032		Group Room	1	Common room/staff room/lounge	20	18	Radiant Panels	Remote Sensor Ad.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	0	Balanced	17	42	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Controls	Cooling (green)	Cooling (type)	Ventilation (type)	Supply (ach/h)	Extract (ach/h)	Relative pressure	Mth. Situation	Surface temp	Water temp	Terminal box	Light box	Local box	Standby grade	Colour render	Control	Plans		
G-F1-022	F1	CAMHS - 12 Beds	All Room	1	Closetroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15 people at 10 l/s per person (ach/h)	15 people at 10 l/s per person (ach/h)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-F1-024			Therapy / Play Therapy Room	1	Common room/staff room/lounge	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-026			Dining Room (Residents & Day Prog)	1	Eating/Drinking	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-027			Therapeutic Kitchen	1	Ward Kitchen	26	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	6	Negative	77	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m	
G-F1-028			WC - Wheelchair accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-029			Ward kitchen	1	Ward kitchen	26	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	6	Negative	None	43	60	500	n/a	None	A	80	Switch	General working plane 1m	
G-F1-040			WC - Wheelchair accessible	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-041			Waiting Area	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-042			GOR	1	GOR	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-043			WC - Bath	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-044			Deborah - 11 Phone Booth	1	Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Act.	Yes	Red Monitors Only	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-045			Multidisciplinary Office - ITS	1	Multi Disciplinary Work Areas	26	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-047			Recreation Room	1	Common room/staff room/lounge	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	6	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-048			Group Room	1	Meeting Room	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	41	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-049			Deborah - 11 Phone Booth	1	Cellular / Ward Office	26	18	Radiant Panels	Remote Sensor Act.	Yes	Red Monitors Only	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-050			Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-F1-051			Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	90	Switch	Bed / Trolley 1.45m	
G-F1-052			Drug Room	1	Clean Utility	26	18	Radiant Panels	Remote Sensor Act.	Yes	Central Cooled Fresh Air	Central Supply Air	5	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
G-F1-053			Multi-Disciplinary Office	1	Multi Disciplinary Work Areas	26	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-054			Laundry Room	1	Laundry	26	18	Adjacent Space Transfer Air	None	Yes	Red Monitors Only	Central Supply and Extract	5	10	Negative	77	43	60	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-056			Open Space	1	Waiting Room	26	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-057			Party	1	Party	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-058			WC - Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-059			Duty Utility	1	Duty Utility	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-061			Disposal Hold	1	Disposal Hold	26	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-062			Clinical Base - Open Plan Area	1	Reception	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	6	Positive	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-063			Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
G-F1-065			Quiet Zone	1	Common room/staff room/lounge	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 0m	
G-F1-067			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-068			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-069			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-070			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-071			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-072			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-073			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-074			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-075			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-076			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-077			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-078			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-079			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-080			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-081			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-082			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-083			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-084			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-085			Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-086			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-087			Single Bed Room (single)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
G-F1-088			En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-089	Linen Bay	1	Linen Bay	26	16	Adjacent Space Transfer Air	None	No	None	Central Extract	0	3	Negative	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m			
G-F1-090	Single Bed Room (single)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	via bedroom & ensuite	Balanced	77	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m		

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (prevalent)	Cooling (typical)	Ventilation (typical)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Airflow	Surface Temp	Water Temp	Humid. Ratio	Height (ft)	Local Act	Security Grade	Colour Index	Control	Plane	
G-F1-021		En-suite wheelchair accessible WC Shower & wash	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-092		Quiet Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	2	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-F1-086		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-089		Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-F1-087		Reception Area	1	Reception Area	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-002	G2	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-002		Clean Equipment	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-004		Clean Equipment	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-G2-005		Disposal Hold	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-002	G3	On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	77	43	41	100	5	300	A	80	Switch / Demand	Bed / Trolley 1.45m	
1-G3-003		En-suite Shower / WC / WB	1	Bathroom	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-004		On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	77	43	41	100	5	300	A	80	Switch / Demand	Bed / Trolley 1.45m	
1-G3-005		En-suite Shower / WC / WB	1	Bathroom	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-006		On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via extract	Balanced	77	43	41	100	5	300	A	80	Switch / Demand	Bed / Trolley 1.45m	
1-G3-007		En-suite Shower / WC / WB	1	Bathroom	28	18	Radiant Panels	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-G3-008		Mei Kitchen	1	Eating/Drinking	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central General Extract	0	0	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-G3-009		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-002		H1	Conferences / Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	15 people at 10 l/s per person (1.2ac/hr)	15 people at 10 l/s per person (1.2ac/hr)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-H1-003			Seminar / Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	30 people at 10 l/s per person (1.2ac/hr)	30 people at 10 l/s per person (1.2ac/hr)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
4-H1-004	Seminar / Tutorial Room		1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	32 people at 10 l/s per person (1.2ac/hr)	32 people at 10 l/s per person (1.2ac/hr)	Balanced	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-005	WC - Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-006	Disposal Hold		1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-007	Waiting Area		1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
4-H1-008	Lockers		1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive to WC	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-009	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-010	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-011	DSR		1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-012	18 Remote Office		1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-013	Reception Office		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-014	Beverage Bay		1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	n/a	None	A	80	Switch	Floor 0m	
4-H1-015	Inventory - Photocopying		1	Cellular / Ward Office	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-016	Tissue Culture Room		1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	5	6	Balanced	77	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-017	Meeting Room - 4 person		1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Red Ambient Cooled	Central Supply and Extract	4 people at 10 l/s per person (1.2ac/hr)	4 people at 10 l/s per person (1.2ac/hr)	Balanced	77	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-018	Molecular Biology Laboratory		1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	5	6	Balanced	77	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-019	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-020	WC - Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-021	Student Records Store		1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central Supply and Extract	4	2	Positive	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-022	Laboratory / Physics / MSc / 1000		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-024	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-025	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-026	Freezer Store		1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-H1-027	Physiological Laboratory		1	Laboratory	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	6	6	Balanced	77	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
4-H1-028	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-029	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-030	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-031	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-032	Secure Accessible Store		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-H1-033	WC - Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m		
4-H1-035	Inventory - Photocopying	1	Cellular / Ward Office	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
4-H1-038	Gas Store	1	Storage Area Med Gas	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m		
1-H2-001		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-002		Waiting Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	6	Balanced	77	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (present)	Ceiling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal hot	Night hot	Local hot	Blowby grade	Colour render	Control	Plans	
1-H2-004	H2 Clinical Research Facility	Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	6	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-H2-005		WC Accessible Patient	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-006		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-007		Office - 4 person	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-H2-008		Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	N/A	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-H2-009		Consult / Assessment	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-H2-010		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-H2-011		WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-012		Party	1	Party	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	F7	43	41	200	n/a	None	A	80	Switch	Floor 0m	
1-H2-013		Store - Equipment	1	Storage Area Equipment	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central General Extract	0	5	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-014		Clinical Study Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m	
1-H2-015		En-suite Shower / WC / WNB	1	Bathroom	28	20	Radon Panel	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-016		Sample Processing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m	
1-H2-017		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-018		En-suite Shower / WC / WNB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-020		Clean Utility	1	Clean Utility	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-H2-021		Isolation Bedroom	1	Bedroom	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Supply Via Lobby	10	10 via the ensuite	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-H2-022		En-suite Shower / WC / WNB	1	Bathroom	28	20	Radon Panel	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-023		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	38	0	Positive	H14	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-H2-024		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	0	Balanced	H14	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m	
1-H2-028		Fresh Clean Room	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	2 people at 70 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Positive	F7	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
3-H2-001		H3 Clinical Education Suite	Workshop / Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3-H2-002			Control Room	1	Diagnostic room	25	18	Radon Panel	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
3-H2-003			Storage	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	5	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-H2-004	Workshop / Tutorial Room		1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-H2-005	Scenario Room		1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-H2-006	WC / WNB disabled		1	Toilet	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-H2-007	WC Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-H2-008	WC Ambulant		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
3-H2-010	Workshop / Tutorial Room		1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (7ach)	10 people at 10 l/s per person (7ach)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-H2-011	Storage Bay		1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Balanced	None	43	41	200	n/a	None	A	80	switch	Floor 0m	
3-H2-012	DSR		1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m	
3-H2-013	Manual Handling, Health & Safety		1	Classroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
3-H2-014	Practice Based Education Office		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	9	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-H2-015	Moving Room		1	Moving Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	14 people at 10 l/s per person (7ach)	14 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-H2-016	Seminar Room		1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	23 people at 10 l/s per person (8ach)	23 people at 10 l/s per person (8ach)	Balanced	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-H2-018	Management Admin Office		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-H2-019	Consulting Rooms		1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3-H2-020	Linens		1	Circulation Equipment Storage Bays	28	18	Radon Panel	Remote Sensor Adj.	No	None	Central General Extract	0	4	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-II-001	H2 Main Entrance - Public Spaces		Draught Lobby	1	Circulation Area - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	N/A	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-II-002			Wholesaler Bay	1	Circulation Area	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-II-003			Security Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-II-004			Waiting Machine	1	Waiting Room	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Floor 0m
G-II-005			Reception / Information Desk	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	10	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-II-006			Retail Shop	1	Retail Shop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	None	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-II-007		Catering Shop	1	Catering Shop	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	None	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-II-008		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
G-II-009		Public Telephone Booth	1	Circulation Phone Booth	28	18	Adjacent Space Transfer Air	None	No	None	n/a	0	0	N/A	n/a	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-II-010		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-II-011		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-II-012		Assisted Change/Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
G-II-013		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative humidity	Min. Illuminance	Surface Temp	Water Temp	Humid. Int.	Height Int.	Linear Int.	Staircase grade	Colour render	Control	Plans
G-01-014	II	Proc/Conf/Interview	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	85	Automatic Controls	Desk 0.75 to 0.85m
B-02-002		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	85	Automatic Controls	Floor 0m
B-02-004		Store - Tools	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AC	No	None	Central General Extract	0	2	Negative	None	43	na	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-02-005		Store - Toys	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AC	No	None	Central General Extract	0	2	Negative	None	43	na	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-J1-001		J1	Lobby	1	Occupation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	SMS Adjustable Service	No	None	None	0	6	Balanced	None	n/a	na	200	n/a	None	A	80	Automatic Controls
I-J1-002	WC - Wheelchair accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	85	Automatic Controls	Floor 0m
I-J1-003	Body Viewing Room		1	Body View	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	6	Negative	17	43	na	200	n/a	None	A	80	Switch / Dimmer	Floor 0m
I-J1-004	Sitting Room with Beverage Bay		1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-02-002	J2	Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (Rach)	4 people at 10 l/s per person (Rach)	Balanced	17	43	na	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-02-003		Prayer / Meditation / Reflection Area	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-02-004		WC wheelchair accessible / Ritual Washing Area	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-02-005		Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AC	No	None	Central General Extract	0	3	Negative	None	43	na	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-02-006		Office	1	Cellular / Ward Office	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-001	K1	Meeting Rooms (family size)	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (Rach)	10 people at 10 l/s per person (Rach)	Balanced	17	43	na	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-002		Meeting Rooms (family size)	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (Rach)	10 people at 10 l/s per person (Rach)	Balanced	17	43	na	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-003		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-004		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-005		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-006		Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	17	43	na	300	n/a	None	A	80	Switch	Floor 0m
G-K1-007		Nappy Changing Room	1	Nappy Change	28	18	Radiant Panels	Remote Sensor AC	No	None	Central Dirty Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-008		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-010		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Blue Mechanical Unit	Central Supply and Extract	4 people at 10 l/s per person (Rach)	4 people at 10 l/s per person (Rach)	Balanced	17	43	na	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-011		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-012		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-013		Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AC	No	None	Central General Extract	0	3	Negative	None	43	na	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-015		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Blue Mechanical Unit	Central Supply and Extract	4 people at 10 l/s per person (Rach)	4 people at 10 l/s per person (Rach)	Balanced	17	43	na	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-016		Drop-In Lounge / Beverage Bay	1	Common room/staff room/lounge	25	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-K1-017		Drop-In Multi Purpose Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	6	Negative	17	43	na	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-018		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-019		Beverage Bay	1	Tea Making	28	18	Radiant Panels	Remote Sensor AC	No	None	Central General Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 0m
G-K1-021		Complementary Therapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	17	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-K1-022		Relaxing / Wind-downing / Soak / Lights	1	Relaxation Area	28	18	Radiant Panels	Remote Sensor AC	Yes	Blue Mechanical Unit	Central Supply and Extract	1	1	Balanced	17	43	41	200	n/a	None	A	80	Automatic Controls	Bed / Trolley 1.45m
G-K1-023		Wheelchair Bay	1	Occupation Equipment Storage Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	na	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-024		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-K1-025		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-026		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-K1-029		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	na	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-002	K2	Reception/Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Positive Supply	1	4	Positive	17	42	na	300	n/a	None	A	85	Switch	Floor 0m
3-K2-003		Office - Interview	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	17	43	na	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
3-K2-004		WC - Female	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-005		WC - Male	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-006		Lounge - non residents	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor 0m
3-K2-007		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-008		Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via en-suite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-K2-009		En-suite Shower / WC / WNB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-010		Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via en-suite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-K2-011		En-suite Shower / WC / WNB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-012		Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via en-suite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-K2-013		En-suite Shower / WC / WNB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-014		Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via en-suite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
3-K2-015		En-suite Shower / WC / WNB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
3-K2-016		Family Room for 4 persons inc en-suite	1	Bedroom	28	18	Radiant Panels	Remote Sensor AC	Yes	Blue Mechanical Unit	Natural & Central Supply Air	4	via en-suite	Balanced	17	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (min)	Temp (max)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach)	Extract (ach)	Relative pressure	MR (min)	Surface Temp	Water Temp	Humid. Air	Height Air	Local Air	Standby grade	Colour render	Control	Plane	
2-42-078		Laundry	1	Laundry	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Water Heated Air	Central Supply and Extract	6	10	Negative	0.1	42	60	200	n/a	None	A	80	Switch	Floor 0m	
2-42-080		Storage - refuse	1	Deposit Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-42-081		Reception	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-42-082		WC - wheelchair accessible	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Water Heated Air	Central Supply and Extract	4	3	Positive	0.1	42	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-002		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-003		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-004		Deposit Hold	1	Deposit Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-005		Resuscitation Bay	1	Resuscitation Bay	20	19	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	10	0	Positive	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-006		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-007		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-008		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100lper person (13ach)	2 people at 100lper person (13ach)	Balanced	0.1	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-1-1-009		Resuscitation Trolley Bay	1	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-010		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-011		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-012		Waiting Area - waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0.1	42	n/a	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-013		Reinforcement Vending Machine	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Water Heated Air	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-014		WC - wheelchair accessible (Widely)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-015		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-016		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-017		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-018		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-019		Linens Bay	1	Linens Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-020		Hot Air	1	Circulation Equipment Storage Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-021		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-022		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-023		Staff Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	42	n/a	450	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-024		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-025		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-026		WC - wheelchair accessible (Widely)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-027		Patient Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	0.1	42	n/a	200	n/a	None	A	80	Switch	Floor 0m	
1-1-1-028		Multi-Occupancy Office - Reception	1	Multi Occupancy Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	4	Positive	0.1	42	n/a	600	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-029		Consulting/Examination Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	42	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-1-1-030		Consulting/Examination Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	42	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-1-1-031		Consulting/Examination Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	42	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-1-1-032		Consulting/Examination Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	3	3	Balanced	0.1	42	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m	
1-1-1-033		Dry Utility	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-034		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-035		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-036		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100lper person (13ach)	2 people at 100lper person (13ach)	Balanced	0.1	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-1-1-037		Interview/Reception/Quat Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (8ach)	4 people at 10 l/s per person (8ach)	Balanced	0.1	42	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-038		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-039		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	Remote Sensor Adj.	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-040		En-suite Shower/WC/WHB	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-1-1-041		Single Bed Room	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	0.1	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Traylay 1.45m	
1-1-1-044		Ward Management Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	0.1	42	n/a	450	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-047		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	6	0	Positive	0.1	42	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-1-1-052		Staff Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	0.1	42	41	300	n/a	None	A	80	Switch	Floor 0m	
1-1-1-083		Multi-Occupancy Office	1	Multi Occupancy Work Areas	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	4	Positive	0.1	42	n/a	600	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-1-094		Ward Kitchen	1	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	8	Negative	None	n/a	n/a	60	500	n/a	None	A	80	Switch	General working plane 1m
1-1-1-095		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10 people at 100lper person (13ach)	2 people at 100lper person (13ach)	Balanced	0.1	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
1-1-1-060		Teaching Room	1	Classroom	28	18	Adjacent Space Transfer Air	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10 people at 10 l/s per person (8ach)	10 people at 10 l/s per person (8ach)	Balanced	0.1	42	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
1-1-1-061		Dry Utility	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. Stratification	Surface Temp	Water Temp	Normal Lux	Night Lux	Local Lux	Standby grade	Colour render	Control	Plans
1-1-066		Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-067		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-068		Single Bed Room	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	10	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-069		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-070		Interns/Patients Quiet Room	1	Mixing Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	17	42	n/a	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-1-071		Linin Bay	1	Linin Bay	26	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	100 (N/A)	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-072		WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-073		WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-074		Resuscitation Trolley Bay	1	Resus Trolley Bay	26	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-075		Staff Base	1	Cellular / Ward Offices	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Negative	17	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-1-076		Storage Consumables	1	Storage Area Equipment	26	18	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-077		En-suite Accessible Shower(WC-WH)	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-078		Hot Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-079		WC Staff	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-080		WC Independent Wheelchair	1	Toilet	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-082		Relaxes Overnight Day Room	1	Relaxes Overnight Day	23	20	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	0	Positive	17	42	41	100	n/a	None	A	80	Switch	Bed / Trayley 1.45m
1-1-083		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-084		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085		Mobile X-Ray Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085a		Storage Equipment	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-085b		Storage Equipment	1	Storage Area Equipment	26	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-087		Shower Room-an-suite	1	Bathroom	26	20	Radiant Panels	Remote Sensor Act.	No	None	Central Dirty Extract	0	Minimum 10	Negative	17	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-088		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-089		Touchdown Base	1	Staff Base	26	18	Radiant Panels	Remote Sensor Act.	No	None	Central Supply and Extract	2 people at 10 l/s per person (each)	2 people at 10 l/s per person (each)	Balanced	17	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
1-1-090		Storage Stationery	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-091		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-092		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-093		Single Bedroom (level 1)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
1-1-094		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-095		OSR	1	OSR	26	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	5	Negative	None	42	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-096		Disposal Hold	1	Disposal Hold	26	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-097		4 Bed Room	1	Multiled Wards	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	possible to ensuite	17	42	41	100	5	300	A	80	switch / dimmer	Bed / Trayley 1.45m
1-1-099		En-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-100		4 Bed Room	1	Multiled Wards	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural and Central Supply Air	4	via ensuite	possible to ensuite	17	42	41	100	5	300	A	80	switch / dimmer	Bed / Trayley 1.45m
1-1-101		En-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-102		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	17	42	41	500	n/a	1500	A	80	Switch	Bed / Trayley 1.45m
1-1-104		Isolation Lobby	1	Isolation Lobby	26	18	Warm-Up Panels Lobby, Staff Admission Battery	Local, Staff Admission	Yes	Comfort Cooled Fresh Air	Central Supply	54	4	Positive	n/a	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
1-1-106		Phased Mission	1	Consulting Room	25	18	Adjacent Space Transfer Air	None	No	None	None	0	0	Balanced	17	42	41	300	n/a	1500	A	80	Switch	Bed / Trayley 1.45m
1-1-109		Touchdown Base	1	staff base	26	18	Adjacent Space Transfer Air	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (each)	2 people at 10 l/s per person (each)	Balanced	17	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-1-007		Disposal Hold	1	Disposal Hold	26	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-008		Linin Bay	1	Linin Bay	26	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	100 (N/A)	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-009		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-010		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-011		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-012		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-013		Hot Bay	1	Circulation Equipment Storage Bays	26	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-014		Touchdown Base	1	staff base	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (each)	2 people at 10 l/s per person (each)	Balanced	17	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-1-015		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Positive	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-016		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-017		Store	1	Storage Area Equipment	26	16	Radiant Panels	Remote Sensor Act.	No	None	Central General Extract	0	5	Negative	None	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-1-018		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Act.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	17	42	41	100	5	300	A	80	Switch / Dimmer	Bed / Trayley 1.45m
2-1-019		Shower Room-an-suite	1	Bathroom	26	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	42	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (air/hr)	Extract (air/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height (m)	Local lux	Standby grade	Colour render	Control	Plane
2-12-015		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-016		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-017		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100/hr per person (13ach)	2 people at 100/hr per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-018		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-019		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-020		Resurrection Trolley Bay	1	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-021		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-022		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-023		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-024		Shower Room an-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-025		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100/hr per person (13ach)	2 people at 100/hr per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-026		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-027		Shower Room an-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-028		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-029		Shower Room an-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-030		Dirty Utility	1	Dirty Utility	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-031		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-032		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-033		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-034		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-035		Shower Room an-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-036		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-037		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-038		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Fanest Suffer Air	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	48	0	Positive	FF4	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-039		Single Ensuite Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	BMS Adjustable	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	0	Balanced	FF4	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-040		Bedroom Shower Room	1	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	None	Dirty Extract	0	40	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-041		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-042		Shower Room an-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-043		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-044		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-045		Touchdown Base	8	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100/hr per person (13ach)	2 people at 100/hr per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-046		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-047		Shower Room an-ensuite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-048		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-049		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-050		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Trolley 1.45m
2-12-051		Shower Room an-ensuite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-052		Clean Utility	1	Clean Utility	28	16	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	FF	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
2-12-053		Intake Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 100/hr per person (13ach)	4 people at 100/hr per person (13ach)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-054		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-055		Sitting Room	1	Common room-staff room/ lounge	25	16	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-12-056		Ward Management Office	1	Callier / Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Wet Absorption Unit	Central Supply and Extract	4	3	Positive	FF	43	n/a	500	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-057		Multidisciplinary Office	1	Multidisciplinary Work Area	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	3	Positive	FF	43	n/a	500	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-058		Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-059		Hired Bay	3	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-060		WC: Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-061		WC: Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-062		Ward Office	1	Ward Kitchen	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central General Extract	0	6	Negative	None	n/a	80	500	n/a	None	A	80	Switch	General working plane 1m
2-12-063		Touchdown Base	7	staff base	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 100/hr per person (13ach)	2 people at 100/hr per person (13ach)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-064		Mobile X-Ray Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-065		WC: Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-066		WC: Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height (m)	Local lux	Standby grade	Colour render	Control	Plane
2-12-007	L2 DCN Inpatients - 43 Beds	Critical Supplies Store	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-008		WC Independent Wheelchair	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-009		Teaching Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	9 people at 10 l/s per person (each)	9 people at 10 l/s per person (each)	Balanced	FF	43	41	300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-010		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-011		WC Ambient	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-012		WC Ambient	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-013		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	FF	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-014		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Positive	FF	43	n/a	200	n/a	None	A	80	Switch	Floor 0m
2-12-015		Multi-disciplinary Office	1	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	6	Positive	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-016		Ward Management Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-017		Interview Room	1	Meeting Room	28	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 10 l/s per person (each)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-12-018		Ward Kitchen	1	Ward Kitchen	28	18	Adjacent Space Transfer Air	None	No	Comfort Cooled Fresh Air	Central General Extract	0	6	Negative	None	n/a	50	500	n/a	None	A	80	Switch	General working plane 1m
2-12-019		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	FF	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
2-12-020		Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-021		Sitting Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	6	Negative	FF	43	41	300	n/a	None	A	80	Switch	Floor 0m
2-12-022		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-023		Shower Room in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-024		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-025		Shower Room in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-026		Touchdown Base	6	staff base	28	18	Adjacent Space Transfer Air	None	No	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (13 each)	2 people at 10 l/s per person (13 each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-027		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-028		Shower Room in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-029		Hoist Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-030		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-031		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-032		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-033		Shower Room in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-034		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-035		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-036		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-037		Shower Room in-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-038		Hoist Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-039		Reception Trolley Bay	1	Reception Trolley Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	via	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-040		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj	No	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (13 each)	2 people at 10 l/s per person (13 each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-041		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor Adj	No	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (13 each)	2 people at 10 l/s per person (13 each)	Balanced	FF	n/a	n/a	200/300	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m
2-12-042		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-043		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-044		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-045		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-046		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via enroute	Balanced	FF	43	41	100	5	300	A	80	Switch / Dimmer	Bed / Tray 1.45m
2-12-047		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-048		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-049		Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2-12-050	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-051	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-052	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-053	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-054	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-055	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-056	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-057	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-058	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-059	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-060	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-061	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-062	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-063	Shower Room in-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
2-12-064	Shower Room in-suite	1	Bathroom																					

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Coiling (press)	Coiling (type)	Ventilation (type)	Supply (ac-ft)	Extract (ac-ft)	Relative pressure	Air direction	Surface temp	Water temp	Normal hrs	Night hrs	Local hrs	Shedding grade	Colour index	Control	Plane
2-L2-120		Shower Room an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-121		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	150	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-122		Shower Room an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AG	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-123		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	150	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-124		Shower Room an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-125		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	150	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-126		Shower Room an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AG	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-127		Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	5	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-128		DDR	1	DDR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	5	Negative	None	43	40	100	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-129		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people @ 100lper person (13acft)	2 people @ 100lper person (13acft)	Balanced	10	n/a	n/a	200/300	n/a	None	A	80	Switch / Demarr	Desk 0.75 to 0.85m
2-L2-130		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-131		Shower Room an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-132		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-133		Shower Room an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AG	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-134		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	18	Warm Air - Radiant Battery	Local / EMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply	47	0	Positive	110	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-135		Single Isolation Bedroom	1	Isolation Bedroom	28	21	Adjacent Space Transfer Air	EMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Supply via lobby	10	19 via the ensuite	Balanced	110	43	41	100	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-136		Isolation Shower Room	1	Isolation Shower Room Ensuite	28	20	Adjacent Space Transfer Air	None	No	None	Dry Extract	0	0	Negative	None	43	41	200/300	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-137		Touchdown Base	1	staff base	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people @ 100lper person (13acft)	2 people @ 100lper person (13acft)	Balanced	10	n/a	n/a	200/300	n/a	None	A	80	Switch / Demarr	Desk 0.75 to 0.85m
2-L2-138		Shower Room an-suite	1	Bathroom	28	20	Radiant Panels	Remote Sensor AG	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-139		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-140		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	150	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-141		Shower Room an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-142		Single Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	10	43	41	100	5	300	A	80	Switch / Demarr	Bed / Traylay 1.45m
2-L2-143		Shower Room an-suite	1	Bathroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-144		Linens Bay	1	Linens Bay	22	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0	None	43	n/a	200/300	n/a	None	A	80	Automatic Controls	Floor 2m
2-L2-152		Physical Measure	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
2-L2-153		Store	1	Store	25	18	Adjacent Space Transfer Air	None	No	None	Central Extract	0	0	Negative	None	n/a	n/a	200/300	n/a	None	A	80	Switch / Demarr	Desk 0.75 to 0.85m
G-M1-002		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-003		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-004		Nurse Base	1	staff base	28	18	Radiant Panels	Remote Sensor AG	No	None	Central Supply and Extract	1 person @ 100lper person (13acft)	1 person @ 100lper person (13acft)	Balanced	10	n/a	n/a	200/300	n/a	None	A	80	Switch / Demarr	Desk 0.75 to 0.85m
G-M1-005		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-M1-006		Linens Bay	1	Linens Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	0	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-M1-007		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-008		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-009		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-010		Fit up/Down Team (check 10 person)	1	Cellar / Ward Offices	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Positive	10	43	n/a	100	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-011		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-012		Consult/Multi-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-013		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-014		Treatment Room (walk-in) (step-down)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Walk In Cooler Unit	Central Supply Air	10	0	Positive	10	43	41	500	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-015		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-016		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor AG	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	10	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-M1-017		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-018		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-019		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-020		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-021		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-022		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-023		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-024		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-025		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m
G-M1-027		Consult/Multi-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AG	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Positive	10	43	41	300	n/a	1000	A	80	Switch	Bed / Traylay 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Ceiling (gen/cont)	Ceiling (type)	Ventilation Type	Supply (ach)	Extract (ach)	Relative pressure	Min. Stratification	Surface Temp	Water Temp	Normal lux	Night lux	Local lux	Stairway grade	Colour render	Control	Plane	
G-M1-020	General Management Office	Dirty Utility area (aid)	1	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-029		Outpatients Management Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-031		Nurse Base	1	nurse base	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1 person at 10 l/s per person (7ach)	1 person at 10 l/s per person (7ach)	Balanced	77	n/a	n/a	200/200	n/a	None	A	80	Switch / Dimmer	Desk 0.75 to 0.85m	
G-M1-032		Main Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	43	n/a	200	n/a	None	A	80	Switch	Floor 2m	
G-M1-034		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-035		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-036		Staff Room	1	Common (over/shift) room/nurse	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	200	n/a	None	A	80	Switch	Floor 2m	
G-M1-037		Store: Clinical Supplies, Equipment & Stationery	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-038		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-039		WC Fully Accessible Changing Room	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	1	10	Negative to consider	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-040		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative	None	43	41	200	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-041		Store - Equipment / General	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-042		Physiotherapy Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	200	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
G-M1-043		Public Telephone Booth	1	Circulation Phone Booth	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-045		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-046		Medical Records Store	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-047		Emergency Information Desk: 2 staff	1	Reception	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	None	None	4	8	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-M1-049		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-M1-050		OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 2m	
G-M1-051		Sub Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	3	Balanced	77	43	n/a	200	n/a	None	A	80	Switch	Floor 2m	
2-M2-002		DCN Therapies	Staff Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-003			Reception	1	Reception	28	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply Air	3	3	Positive	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-004			Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-005			Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	77	43	n/a	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M2-006			Waiting	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	200	n/a	None	A	80	Switch	Floor 2m
2-M2-007	ADL Bathroom, Shower, WC with hoists		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-008	Physio Treatment Room		1	Physiotherapy Studio	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	10	6	Positive	77	43	41	200	n/a	None	A	80	Switch / Dimmer	Floor 2m	
2-M2-009	ADL Kitchen		1	Party	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 2m	
2-M2-010	Consult/Examination		1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	77	43	41	200	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
2-M2-011	Detraction Free Treatment Room		1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
2-M2-012	Detraction Free Treatment Room		1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
2-M2-013	Staff Lockers		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to consider	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-014	WC Accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-015	Staff Toilet		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-016	Staff Toilet		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-017	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Balanced	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-018	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-019	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-020	Changing Cubicles		1	Changing Facilities	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Negative	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-021	Store: General/Equipment		1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-022	Patient Toilet		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-023	Multi-Purpose Rehabilitation Room		1	Physiotherapy Studio	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	6	Negative	77	43	41	200	n/a	None	A	80	Switch / Dimmer	Floor 2m	
2-M2-024	Store: General/Equipment		1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-025	Store: General/Equipment		1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
2-M2-026	Programmed Investigations Unit		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
2-M2-027		Treatment Area	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	77	43	41	500	n/a	1000	A	80	Switch	Bed / Trayley 1.45m	
2-M2-028		Waiting area: 4 & 2 wheelchairs	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	5	Balanced	77	43	n/a	200	n/a	None	A	80	Switch	Floor 2m	
2-M4-002	General Management Office	Waiting Area (DCN)	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	77	43	n/a	200	n/a	None	A	80	Switch	Floor 2m	
2-M4-003		Secretary Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M4-004		Reception Room	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M4-005		WCD Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
2-M4-006		WC - wheelchair accessible (DCN)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (stat)	Temp (inst)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Speedy grade	Colour render	Control	Plane
2-M-007	DCN Neurophysiology	Quiet Room	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	300	n/a	None	A	80	Switch / Damper	Floor 2m
2-M-008		EMG/Neve Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	42	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
2-M-009		EMG/Neve Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
2-M-011		EMG/Neve Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
2-M-012		VTEB Ambulatory Review Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	8	8	Balanced	F7	42	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
2-M-013		Clinical Passageway	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-M-014		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-M-016		Store / Records	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-M-017		EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
2-M-018		EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Balanced	F7	42	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
2-M-019	EEG Recording Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m	
G-N1-001	DCN Entrance	Reception / Information Desk	1	Reception	25	18	Underfloor Heating	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	4	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-N1-002		Drainage Lobby	1	Circulation Areas - Entrance Lobby	28	Not Controlled	Warm Air Door Curtain	BMS Adjustable Sensor	No	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-N1-003		WC - Wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-N1-004		WC - Visitors	1	Toilet	28	18	Radiant Panels	Remote Sensor As	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-N1-005		Wheelchair Bay	1	Circulation Equipment Storage Bays	25	15	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-N1-006		Waiting Area	1	Waiting Room	28	18	Underfloor Heating	Remote Sensor As	No	None	None	0	0	None	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
G-N1-007		Waiting Area	1	Waiting Room	28	18	Underfloor Heating	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 2m
2-N2-002	DCN Wards / Health Records Support - (N2)	Staff Room	1	Common room/staff room/lounge	28	18	Underfloor Heating	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	42	41	300	n/a	None	A	80	Switch	Floor 2m
2-N2-003		Wink & Go	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	4	Negative	F7	42	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-N2-004		Disposal Hood (small)	1	Disposal Hood	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-N2-005		OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	50	100	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-002	DCN Wards / Health Records Support - (N2)	Physical Measurement Bay	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trayley 1.45m
1-P1-003		Single Bedroom	1	Bedroom	28	20	Underfloor Heating	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Dirty Extract	0	1	Positive	None	43	41	300	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-004		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-005		Single Bedroom	1	Bedroom	28	20	Underfloor Heating	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Dirty Extract	0	1	Positive	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-006		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	Minimum 10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-007		Study Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply Air	4	4	Positive	F7	42	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m
1-P1-008		Office Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply Air	0	0	Positive	F7	43	41	500	n/a	1000	A	90	Switch	Bed / Trayley 1.45m
1-P1-009		Interview Room - DCU	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-010		Single Room en-suite	1	Bedroom	28	20	Underfloor Heating	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	0	1	Positive	F7	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-011		En-suite WC / WHB	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-012		SDCU Discharge Lounge	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	8	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 2m
1-P1-013		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-014		Interview Room - DCU	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4 people at 10 l/s per person (7ach)	4 people at 10 l/s per person (7ach)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-015		SDCU Dispensary	1	Clean Utility	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	42	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-016		Pantry (DCU)	1	Pantry	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	8	8	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 2m
1-P1-017		Wheelchair Parking Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-018		Linon Bay	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-020		WC - Patients	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-021		SDCU Post Op Staff Base/Utility	1	Staff Base	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2 people at 10 l/s per person (7ach)	2 people at 10 l/s per person (7ach)	Balanced	F7	n/a	n/a	200/200	n/a	None	A	80	Switch / Damper	Desk 0.75 to 0.85m
1-P1-022		Recovery Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	F7	42	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-023		Recovery Dirty Utility	1	Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-024		SDCU Recovery	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trayley 1.45m
1-P1-025		SDCU Recovery Room	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trayley 1.45m
1-P1-026		SDCU Recovery Room	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trayley 1.45m
1-P1-027		Linon Bay	1	Linon Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
1-P1-028		Recovery Staff Base	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1-P1-029		Post Anaesthetic Recovery	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trayley 1.45m
1-P1-030		Recovery room post anaesthetic 1 place	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trayley 1.45m
1-P1-031		Recovery room post anaesthetic 1 place	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trayley 1.45m
1-P1-032		Operating Theatre Suite	1	Operating Theatre Suite	21	18	Warm air via AHU Battery	Local BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	1000	n/a	10,000 - 100,000	A	90	Switch	Bed / Trayley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Mfr filtration	Surface temp	Water temp	Humid. hz	Night hz	Local hz	Standby grade	Colour render	Control	Plane	
1-P1-023		Anaesthetics Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-024		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-025		Scrubs 1/1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-026		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-028		Subsite Pharmacy Store	1	Clean Utility	28	18	None	None	Yes	Comfort Cooled Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-029		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-040		Exit Bay	1	Operating Theatre Suite	25	18	Radiant Panels	Remote Sensor Adj.	No	None	None	0	0	n/a	None	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-041		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	30	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-042		Parking bay (line optic bronchoscope light source trolley)	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-043		X-Ray/US sound Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-044		Operating Theatre	1	Operating Theatre Suite	31	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-045		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-046		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-047		Anaesthetics Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-048		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-049		Clean Scoops Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-050		Day Case Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-051		MRI Repeating	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-052		WC-Gaft	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-053		Staff Room	1	Common room/call room/nurse	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-054		Sanitary Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m	
1-P1-055		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	0	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-056		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	28	16	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply	0	0	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-057		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-058		Angiography Procedures Machine Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Cooling Cassette - Chilled Water	Central Supply and Extract	0	0	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-059		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-060		Trolley Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	Balanced	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-061		WC - wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-063		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-064		MRI Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	8 & 25 (Theatre Mode)	8	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch / Detector	General working plane 1m
1-P1-065		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-066		Anaesthetics Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-067		Exit Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	No	None	None	0	0	n/a	None	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-068		Equipment Room - MRI	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	Yes	By Specialist	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-069		Anaesthetics Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-070		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-071		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-072		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-073		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-074		Anaesthetics Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-075		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-076		Exit Bay	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	F7	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-077		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	30	Negative	F7	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m	
1-P1-078		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-079		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-080		Scrub-up (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m	
1-P1-083		Outlets 1/1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-084		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-085		Outlets 1/1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
1-P1-086		Medical Gas Cylinder Store	1	Storage Area Med Gas	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-087		Clinical Equipment Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
1-P1-088		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (winter)	Temp (summer)	Heating Type	Heating Control	Cooling (pressur)	Cooling (type)	Ventilation (type)	Supply (ac-ft)	Extract (ac-ft)	Relative pressure	Min. Stratification	Surface Temp	Water Temp	Normal ILL	Height	Local ILL	Stratification grade	Culture render	Control	Plans
1-P1-069	Operating Theatres & RHSC Surgical Day Case Unit	ITN Nurse Management Office	1	Cellular / Ward Offices	20	18	Background Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	2	Positive	77	43	41	400	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in
1-P1-090		City Utility (Indian Street) & City Hall	1	Dry Utility	28	18	None	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-091		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	77	43	41	200	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in
1-P1-092		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	28	Negative	77	43	41	150	n/a	10,000 - 100,000	A	80	Switch	Bed / Tray / 1.45in
1-P1-093		Anesthesiology Procedures Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in
1-P1-094		Anesthesiology Procedures Control Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	4	3	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in
1-P1-095		Nurse Station Store	1	Clean Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Supply Air	0	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-097		Image Intensive Bay	1	Occupation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-099		WC - Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-099		Storeroom	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	8	9	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	General working plane 1m
1-P1-100		Female Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-101		Clean Trays	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	8	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-102		Male Staff Changing and Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-103		Nurse Machine Workshop Area	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	Ceiling Cassette Cooled Water	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-104		Dry Tray	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m
1-P1-105	Disposal Hold	1	Disposal hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-106	Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	6	0	Positive	77	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m	
1-P1-107	Resuscitation Trolley Bay	1	Resus Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-108	Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-109	Recovery bay post anaesthetic 1 place	1	Recovery Bay / Recovery Room	-25	20	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	77	43	41	500	n/a	None	A	90	Switch / Control	Bed / Tray / 1.45in	
1-P1-112	ITN and communication room, access 2 staff	1	Cellular / Ward Offices	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	4	3	Positive	77	43	41	400	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-116	Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Tray / 1.45in	
1-P1-117	IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	None/General Extract	0	3	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-118	Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Tray / 1.45in	
1-P1-119	Reception, administration office & communication base 4 staff	1	Reception	20	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply Air	4	3	Positive	77	43	41	300	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-120	Consulting, examination & changing room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	3	3	Balanced	77	43	41	300	n/a	1000	A	80	Switch	Bed / Tray / 1.45in	
1-P1-121	Interview, counselling & quiet room - 5 persons	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	5 people at 10 sq per person (Bact)	5 people at 10 sq per person (Bact)	Balanced	77	43	41	300	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-122	WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-123	WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-124	City Room 2 persons	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	41	400	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-127	Changing Corridor	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-128	Admissions Lounge	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	8	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 3m	
1-P1-129	Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	77	43	41	200	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-130	Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	28	Negative	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-131	Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-132	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-133	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-134	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-135	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Positive	77	43	41	200	n/a	10,000 - 100,000	A	80	Switch	Bed / Tray / 1.45in	
1-P1-136	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-137	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-138	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-140	Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-141	Anesthesiology Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-142	Office - Small Interview Theatre	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	41	400	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-144	Image Intensive Bay	1	Occupation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-145	Intensive 1 to 200s Area	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	41	400	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-146	Clinical Equipment Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 3m	
1-P1-147	Office Hall	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette Cooled Water	Central Supply and Extract	4	6	Positive	77	43	41	400	n/a	None	A	80	Automatic Controls	Deck 0.75 to 0.85in	
1-P1-148	Waiting Lounge	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-149	Waiting Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	77	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Tray / 1.45in	
1-P1-151	Lab Bay	1	Operating Theatre Suite	25	18	Adjacent Space Transfer Air	None	No	Ceiling Cassette Cooled Water	None	0	0	Negative	77	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Tray / 1.45in	

Room No.	Department	Room Name	Qty	Room Function	Time (max)	Time (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plans
I-P1-152		Utility Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	20	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-153		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-154		Scrubbing (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-155		Operating Theatre	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	25	7	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-156		Assessment Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-158		Dry Storage Store	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-159		Store - Pileter	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-161		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-162		Staff Reception / Office / Control Base	1	Reception	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	4	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-P1-163		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-164		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-165		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-167		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-168		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-169		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-170		Immediate Pre Theatre Wall	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	200	n/a	None	A	80	Switch	Floor 0m
I-P1-171		WC-Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-172		Charge Nurse Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-P1-173		Locker Bay	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-174		General Office	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-P1-175		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply Air	4	3	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
I-P1-176		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-P1-177		Consult/Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
I-P1-178		Main Waiting/Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
I-P1-179		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-180		WC Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-182		Assessment Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-184		Assessment Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-185		Scrubbing (single)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	12	Negative	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-186		Dry Bay (interoperative)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	0	Balanced	None	43	41	300	n/a	10,000 - 100,000	A	80	Switch	Bed / Trolley 1.45m
I-P1-187		Utility Room (interoperative)	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	0	20	Negative	F7	43	41	150	n/a	None	A	90	Switch	Bed / Trolley 1.45m
I-P1-193		Toy Wash Store	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-194		Cleaner Cupboard	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-195		Store (RHSC)	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
I-P1-196		Preparation Room	1	Operating Theatre Suite	25	18	warm air via AHU Battery	Local / BMS Adjustable	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	500	n/a	10,000 - 100,000	A	90	Switch	Bed / Trolley 1.45m
I-P1-197		IV Store	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-002		IPS Room	1	IPS Room	30	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-003		Nappy Change Room with handwash	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-004		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-005		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-006		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-007		Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Radiant Panels	Remote Sensor As	No	None	None	0	0	None	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-008		Processing Area	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	3	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-009		Acute Reporting	1	Callular / Ward Offices	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-010		Ultrasound Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-011		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-012		General X-Ray Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-013		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-014		Ultrasound Room	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	4	3	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-016		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-Q1-018		Screening Room (fluoroscopy)	1	Diagnostic room	25	18	Warm Air - Radiant Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette-Chilled Water	Central Supply and Extract	6	6	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-Q1-017		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating	Heating Control	Cooling (present)	Cooling Type	Ventilation (Type)	Supply (ach/s)	Extract (ach/s)	Relative pressure	Min. Nitrogen	Surface Temp	Water Temp	Normal Use	Height	Local Use	Staircase grade	Control	Plane	
G-01-018		Ultrasonic Sub Wall	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	15	43	19	200	n/a	None	A	80	Switch	Floor 0m
G-01-019		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-020		Patient Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Dry Extract	4	4	Balanced	15	43	19	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-021		Baby Ward / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	Negative	15	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-022		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-023		Registration Office (5 desks)	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-024		Dry Utility	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-025		Radioactive Waste Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor As	No	None	Central General Extract	0	0	Negative	None	43	19	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-027		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	15	43	19	300	n/a	None	A	80	Switch	Floor 0m
G-01-028		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply	10	1	Positive	15	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-029		WC - Wheelchair accessible (hot)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-030		Gamma Camera Adult (1000)	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-031		Bedside Patient Office	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-032		Gamma Camera Paediatric	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-033		Emergency Shower	1	Restroom	28	20	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-034		Hot Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	15	43	19	300	n/a	None	A	80	Switch	Floor 0m
G-01-035		Injection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	10	5	Positive	15	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-036		Recovery Area	1	Recovery Bay / Recovery Room	25	20	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	15	15	Balanced	15	43	41	500	n/a	None	A	90	Switch / Damper	Bed / Trolley 1.45m
G-01-037		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	15	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-038		Gamma Camera	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit & Ceiling Supplemental Unit	Central Supply and Extract	0	0	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
G-01-041		Recovery Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor 0m
G-01-042		Gamma Camera Control Area	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	15	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-043		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	15	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-044		Gamma Camera	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit & Ceiling Supplemental Unit	Central Supply and Extract	0	0	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
G-01-045		Injection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	10	1	Positive	15	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-046		Stress Room (myocardial work)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	3	3	Balanced	15	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-047		Hot Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	5	5	Balanced	15	43	19	300	n/a	None	A	80	Switch	Floor 0m
G-01-048		WC - Wheelchair accessible (hot)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-049		WC - Wheelchair accessible (cold)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-050		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	15	43	19	300	n/a	None	A	80	Switch	Floor 0m
G-01-052		Counting Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	6	6	Balanced	77	43	60	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-053		OSR	1	OSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-054		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Balanced	15	43	19	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-055		Meeting Room - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Balanced	15	43	19	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-057		View Control Room (1000) (3 person)	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	0	4	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-058		Recovery Bay	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-059		CT Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit & Ceiling Supplemental Unit	Central Supply and Extract	0	0	Balanced	77	43	41	300	n/a	1000	A	80	Switch / Damper	General working plane 1m
G-01-061		Disabled Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-062		WC - Patients	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-063		Linen Room	1	Linen Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	19	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-064		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bay	28	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	19	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-066		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply	10	1	Positive	15	43	41	300	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-067		Disabled Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-068		Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-069		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	15	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-070		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor As	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	1	Negative to corridor	15	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-071		Control Room - CT	1	Callular / Ward Office	25	18	Radiant Panels	Remote Sensor As	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-072		Telemetry Laboratory	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-073		South Reception	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-074		Consultation Room (3 person)	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-075		Consultation Room (2 person)	1	Callular / Ward Office	28	18	Radiant Panels	Remote Sensor As	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	4	Positive	15	43	19	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (Type)	Ventilation (Type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Standby grade	Colour render	Control	Plane
G-01-075		Ultrasound Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	42	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-077		Admin Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-078		Waiting Area - Main Dept	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	42	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-01-079		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	4	5	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-080		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-01-081		Duplex Ultrasound	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-01-082		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Not Mixed Unit	Central Supply and Extract	4 people at 10 l/s per person (each)	4 people at 13 l/s per person (each)	Balanced	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-083		Phenology Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-084		Disposal Hold	1	Disposal Hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-086		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-089		Inpatient Holding Bays	1	Circulation Equipment Storage Bays	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	6	Positive	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-092		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	5	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-01-094		Sub Wall	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-01-095		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-096		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-097		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-098		Recovery Bay	1	Recovery	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-099		Equipment Room	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	Yes	Free Mounted Over Control	Central Supply and Extract	0	3	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-100		Equipment Room	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	Yes	Free Mounted Over Control	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-102		DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-103		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-104		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-105		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-106		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-108		Injection Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-109		Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-110		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	5	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-01-111		Control Room - MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Being Investigated Unit	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-112		Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply Air	5	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1m
G-01-113		Dry Utility	1	Dry Utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-114		Store Room	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-115		Adult Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-01-119		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	F7	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-01-120		MRI Reporting	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-121		Baby Inlet / Feeding Room	1	Baby Feeding	28	18	Radiant Panels	Remote Sensor Adj.	No	None	Central Dry Extract	0	10	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-122		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-01-124		Equipment Room	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	Yes	Free Mounted Over Control	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-125		Recovery Area - 1 place	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	10	Balanced	F7	43	41	500	n/a	None	A	80	Switch	Bed / Trolley 1.45m
G-01-126		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-127		WC - Wheelchair accessible & change	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-128		Accessible Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-129		Accessible Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	4	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-130		Induction Area - 1 place	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	5	5	Balanced	F7	43	41	500	n/a	1000	A	80	Switch	Bed / Trolley 1.45m
G-01-131		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-132		WC - Wheelchair accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-133		Equipment Room - MRI	1	IT equipment (rooms server)	25	18	None	None	Yes	Free Mounted Over Control	Central General Extract	0	3	Negative	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 0m
G-01-134		MRI Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	By Specialist	Central Supply and Extract	8	8	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-01-125		Control Room - CT/MRI	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-136		CT Room	1	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	10	Balanced	F7	43	41	300	n/a	1000	A	80	Switch / Dimmer	General working plane 1m
G-01-127		Main Reporting	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G-01-138		Resuscitation Trolley Bay	1	Circulation Equipment Storage Bays	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-01-139		Linen Bay	1	Linen Bay	28	18	Adjacent Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative Humidity	Min. Stratification	Surface Temp	Water Temp	Normal Air	Height (ft)	Local Air	Priority grade	Colour grade	Control	Plans
G-Q1-140		IPS Room	1	IPS Room	20	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-141		Dental Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	10	10	Balanced	FF	43	41	200	104	1000	A	B0	Switch	Bed / Traylay 1, 45m
G-Q1-142		Disposal Hold	1	Disposal Hold	25	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-143		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-144		Female Staff Changing and Lockers	1	Changing Facilities	25	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	FF	43	41	100	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-145		Trolley Bay	1	Circulation Equipment Storage Bays	25	16	Adjacent Space Transfer Air	None	Yes	Central Cooled Fresh Air	Central Supply and Extract	3	3	Positive	FF	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-146		Staff WC	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-148		Store Room	1	Storage Area Equipment	25	16	Radiant Panels	Remote Sensor AC	No	None	Central General Extract	0	3	Negative	None	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-149		Reception/Reception/Reception	1	Open Plan Office	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-150		Male Staff Changing and Lockers	1	Changing Facilities	25	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative to corridor	FF	43	41	100	104	None	A	B0	Automatic Controls	Floor 0m
G-Q1-151		Consultation Office (3 person)	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-152		Admin Office	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-153		Reception Area	1	Reception	25	18	Radiant Panels	Remote Sensor AC	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	6	4	Positive	FF	43	104	300	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
G-Q1-154		Waiting Play Area	1	Waiting Room	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	5	5	Balanced	FF	43	104	300	104	None	A	B0	Switch	Floor 0m
G-Q1-160		Disposal Room	1		25	18	Radiant Panels	Remote Sensor AC	No	None	Central Supply and Extract	1	3	Positive	None	43	104	300	104	None	A	B0	Switch	Floor 0m
G-Q1-161		Trolley Bay	1	Circulation Equipment Storage Bays	25	16	Adjacent Space Transfer Air	None	No	None	None	0	0	None	None	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-001		Staff Room	1	Common non-shift re-arrange	25	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Negative	FF	43	41	300	104	None	A	B0	Switch	Floor 0m
2-R1-002		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-003		Waiting Room - 4 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-004		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-005		Beverage Bay	1	Tea Making	25	18	Adjacent Space Transfer Air	None	No	None	Ward General Extract	0	5	Negative	None	42	41	100/200	104	None	A	B0	Switch	Floor 0m
2-R1-006		Meeting Room - 6 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-007		DSR	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	3	Negative	None	43	80	100	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-008		Store Clinical	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-009		Reception/Reception/Reception	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Wet Mechanical Unit	Central General Extract	3	3	Negative	None	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-010		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-011		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-012		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-013		WC - Staff (Female)	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-014		WC - Staff (Male)	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-015		Waiting Room - 4 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-016		WC - Wheelchair Accessible	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-017		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-018		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-019		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Wet Mechanical Unit	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-020		Reception/Reception/Reception	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central General Extract	1	2	Negative	None	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-021		Beverage Bay	1	Tea Making	25	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	43	41	200	104	None	A	B0	Switch	Floor 0m
2-R1-022		Disposal Hold (small)	1	Disposal Hold	25	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	104	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-023		Waiting Room - 4 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-024		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-025		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-026		Beverage Bay	1	Tea Making	25	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	5	Negative	None	42	41	200	104	None	A	B0	Switch	Floor 0m
2-R1-027		Waiting Room - 4 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-028		Waiting Room - 4 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-029		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-030		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-031		Reception 1/1-Phone Booth	1	Cellular / Ward Offices	25	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-032		WC - Wheelchair Accessible	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-033		WC - Staff (Male)	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-034		DSR	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	6	Negative	None	43	80	100	104	None	A	B0	Automatic Controls	Floor 0m
2-R1-036		Reception/Reception/Reception	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central General Extract	1	3	Negative	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m
2-R1-038		Waiting Room - 4 person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AC	Yes	Wet Mechanical Unit	Central Supply and Extract	4	4	Balanced	FF	43	104	400	104	None	A	B0	Automatic Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pressur)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	MIn filtration	Surface temp	Water temp	Normal lux	Night lux	Local lux	Staircase	Colour render	Control	Place
2-R1-027	R1 Clinical Management Suite	Store Clinical	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-R1-028		WC - Staff (Female)	1	Toilet	28	18	Adjacent Space Transfer Air	Remote Sensor Act.	No	None	Control/Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-R1-029		Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-040		Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-041		Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-042		Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-043		Store Clinical	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	Remote Sensor Act.	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-R1-044		Printer/Photocopier Room	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply and Extract	5	3	Negative	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-045		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Neutral	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-046		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Neutral	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-047		Store Clinical	1	Storage Area Equipment	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m
2-R1-048		Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-049		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-050		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-051		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-052		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-053		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-054		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-055		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-056		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-057		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-058		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-059		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
2-R1-060		2nd Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-001		Management Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	16 people at 10 l/s per person (each)	16 people at 10 l/s per person (each)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-002		Management Conference Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	16 people at 10 l/s per person (each)	16 people at 10 l/s per person (each)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-003		Meeting Room - 6 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted Unit	Central Supply and Extract	6 people at 10 l/s per person (each)	6 people at 10 l/s per person (each)	Balanced	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-004		Beverage Bay	1	Tea Making	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Switch	Floor 2m
4-R1-005		WC - Staff (Male)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
4-R1-006		WC - Wheelchair Accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
4-R1-007		Meeting Room - 4 person	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Neutral	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
4-R1-008		WC - Staff (Female)	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
4-R1-009		Staff Room	1	Common room/staff room/ lounge	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	7	4	Balanced	FF	43	41	300	n/a	None	A	80	Switch	Floor 2m
4-R1-010	4th Floor Desks	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	4	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-011	Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-012	Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-013	Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-014	Secretary 1:1 Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-015	Store Management	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-016	Store Management	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	0	3	Negative	None	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R1-017	DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	80	100	n/a	None	A	80	Automatic Controls	Floor 2m	
4-R1-018	Disposal Hold (metal)	1	Disposal Hold	28	16	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	8	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	
4-R1-019	Printer/Photocopier Room	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-002	RHSC Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-003	Assistant Health Records Manager (Supervisor)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Act.	Yes	Combustion Cooled Fresh Air	Central Supply and Extract	4	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-004	RHSC / DCN Office (7 Person)	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Act.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	3	Positive	FF	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-005	WC Staff	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m	
4-R2-006	Reception / Dispatch Counter	1	Reception	28	18	Adjacent Space Transfer Air	None	Yes	Wall Mounted Unit	Central Supply Air	0	10	Negative	FF	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
4-R2-007	Trolley Area	1	Circulation Equipment Storage Bays	28	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m	

RHSC / DCN Environmental Matrix

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/h)	Extract (ac/h)	Relative pressure	Min. Stratification	Surface Temp	Water Temp	Normal Lux	Height Lux	Local Lux	Standby grade	Colour render	Control	Plane				
4-R2-008	RHSC & DCN Records Library (150,000 records)	Storage Area Equipment	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2	3	Negative	77	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m				
4-R2-010		Accommodate WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m				
4-R2-011		Access to IT Phone Booth	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m				
B-51-001	91	Kitchen	Preparation/Cooking Area	1	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	8	12	Negative	77	43	90	500	n/a	None	A	80	Switch	General working plane 1m				
B-51-006			Temperature Controlled Sandwich Prep	1	CDS	12	10	None	None	Yes	Ceiling Cassette - Chilled Water	General Supply and Extract	2 (supply at 14.15 m/s per person) 2 (extract at 14.15 m/s per person)	2	2	Neutral	77	43	41	500	n/a	None	A	80	Switch	General working plane 1m		
B-51-006			Bakery Preparation	1	CDS	12	10	None	None	Yes	Ceiling Cassette - Chilled Water	General Supply and Extract	2 (supply at 14.15 m/s per person) 2 (extract at 14.15 m/s per person)	2	2	Neutral	77	43	41	500	n/a	None	A	80	Switch	General working plane 1m		
B-51-007			Staff Room	1	Common room/staff room/buff	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Floor 2m			
B-51-008			Office (general)	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	2 (supply at 14.15 m/s per person) 2 (extract at 14.15 m/s per person)	2	2	Negative	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
B-51-009			Female Staff Changing inc Shower	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	4	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m			
B-51-010			Male Staff Changing inc Shower	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	4	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m			
B-51-012			Pan Wash	1	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	0	8	Negative	None	43	90	300	n/a	None	A	80	Switch	General working plane 1m			
B-51-013			Returned Trolleys	1	CDS	28	18	Adjacent Space Transfer Air	None	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	10	18	Neutral	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m			
B-51-013			Relais	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	None	No	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-016			DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	90	300	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-017			Clean Trolleys Park	1	CDS	28	16	Adjacent Space Transfer Air	None	No	None	None	General Supply and Extract	2	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-018			Debris/Detergent	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	14	Negative	None	43	90	150	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-019			Raw Meat	1	CDS	8	5	None	None	Yes	By Specialist	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	General working plane 1m		
B-51-020			Veg Store	1	CDS	28	13	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-021			Freezer	1	CDS	-18	-20	None	None	Yes	By Specialist	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 2m		
B-51-022			Freezer	1	CDS	-18	-20	None	None	Yes	By Specialist	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor 2m		
B-51-023			Woolcot Bay	1	Utilisation Space	28	18	Radiant Panels	Remote Sensor (Ad)	No	None	None	General Extract	2	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-025			Dairy Store	1	CDS	5	2	None	None	Yes	By Specialist	None	None	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-026			Wegging - no longer used	1	CDS	28	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	DW172 Dependent	DW172 Dependent	Negative	74	43	90	300	n/a	None	A	80	Switch	General working plane 1m			
B-51-027			Dry Goods	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	None	No	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-51-031			Pick and Pack	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m			
2-52-001			92	e-Health Infrastructure	Care Server Room	1	IT equipment (servers)	25	18	None	None	Yes	Ceiling Cassette - Chilled Water	Central Supply	2	2	Positive	None	n/a	118	300	n/a	None	A	80	Switch	Floor 2m	
B-53-002			93	Domestic Services	Laundry (linen)	1	Linen Bay	28	18	Radiant Panels	None	No	None	Central Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m	
B-53-003					Supplies Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	No	None	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m
B-53-004					Laundry (microfibre)	1	Laundry	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	6	6	Neutral	77	43	60	300	n/a	None	A	80	Switch	Floor 2m	
B-53-005					Clean Hosiery	1	Dirty Utility	28	18	Radiant Panels	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m
B-53-007					Cleaning Equipment Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	No	None	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m
B-53-008	Sanitary Bin Store	1			Dirty Utility	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-53-009	DSR	1			DSR	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	90	100	n/a	None	A	80	Automatic Controls	Floor 2m		
B-53-010	Bulk Equipment Store	1			Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	No	None	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-53-011	Woolcot Bay	1			Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Flow Microclimate	Central Supply and Extract	4	3	Positive	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
B-53-012	Scientific Services Office	1			Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
B-53-013	Curtain Store	1			Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	No	None	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-54-001	94	Materials Management			Storage/Holding Area	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor (Ad)	No	None	Central General Extract	0	3	Negative	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m	
B-54-002					Woolcot	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-54-004			Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central General Extract	4	3	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m			
B-54-005			Printer's Office	1	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m			
B-54-050			Cloaking	1	Cellular / Ward Offices	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	4	Negative	77	43	118	200	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
2-05-002	95	Central Staff Changing	Bay for Tissue Machine	1	Cooldown Equipment Storage Bay	25	16	Adjacent Space Transfer Air	None	No	None	0	0	n/a	None	43	118	200	n/a	None	A	80	Automatic Controls	Floor 2m				
2-05-003			DSR	1	DSR	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	90	100	n/a	None	A	80	Automatic Controls	Floor 2m		
2-05-004			Male Staff Changing, Shower, WC & Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	1	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m			
2-05-005			Female Staff Changing, Shower, WC & Lockers	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	1	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m			
B-56-003			Staff Room	1	IT equipment (servers)	25	18	Radiant Panels	Remote Sensor (Ad)	Yes	Flow Microclimate	Central Supply and Extract	2	3	Positive	77	43	118	200	n/a	None	A	80	Switch	Floor 2m			
B-56-004			Workshop (NPD)	1	Small Workshop	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	8	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m			
B-56-006			Staff Change	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	2	4	Positive	77	43	41	100	n/a	None	A	80	Automatic Controls	Floor 2m			
B-56-007			Shower	1	Bedroom	28	20	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-56-008			Shower	1	Bedroom	28	20	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 2m		
B-56-009	Workshop (NHS)	1	Small Workshop	28	18	Radiant Panels	Remote Sensor (Ad)	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	8	Negative	77	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m					

Room No.	Department	Room Name	City	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ach/hr)	Extract (ach/hr)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane	
B-56-010	56	Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-56-011		Supervisor	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-012		Extens Library	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted	Central Supply and Extract	3	3	Negative	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-013		Office	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-014		Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-56-015		Contract Manager	1	Cellular / Ward Office	28	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted	Central Supply and Extract	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
G-56-016		Office Reception	1	Cellular / Office	28	18	Electric Heats	Remote Sensor AS	No	None	Supply and Return	4	3	Positive	F7	43	n/a	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B-56-018		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-56-020		Atium Cleaning Equipment	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-56-021		Staff WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-56-022		WC Staff	1	Toilet	28	18	Electric Heats	Remote Sensor AS	No	None	Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-56-023		Pharmacia Store	1	Storage Area Equipment	28	18	Electric Heats	Remote Sensor AS	No	None	Dirty Extract	0	3	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-56-024		Trolley Holding Bay	1	Circulation Equipment Storage Bay	n/a	n/a	n/a	n/a	n/a	n/a	None	None	0	3	n/a	None	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-56-025		Trolley Holding Bay	1	Circulation Equipment Storage Bay	n/a	n/a	n/a	n/a	n/a	n/a	None	None	0	3	n/a	None	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
G-56-026		Staff Welfare	1	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	18 people at 15 l/s per person (static)	18 people at 15 l/s per person (static)	Balanced	F7	43	41	200	n/a	None	A	80	Switch	Floor 0m	
4-57-002		57	Male WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-003			Female WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-004			Male WC	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-007			Disposal Hold	1	Disposal hold	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-008			Storage/Decontaminating	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-57-009	DDR		1	DDR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-57-010	Restaurant		1	Eating/Drinking	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	100 people at 10 l/s per person (static)	100 people at 10 l/s per person (static)	Balanced	F7	43	41	300	n/a	None	A	80	Switch	Floor 0m	
4-57-011	WC Accessible		1	Toilet	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
B-58-001	58	Sterile Support Store	1	Trolley Holding Bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-59-001	59	WC Ambulant	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-59-002		RFFS Changing / Support	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	3	4	Negative to corridor	F7	43	41	100	n/a	None	A	80	Automatic Controls	Floor 0m	
4-59-004		RFFS Medical Equipment Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-59-005		Trolley Bay Equip St	1	Trolley bay	28	18	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m	
4-59-006		Cleaner	1	DDR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A	80	Automatic Controls	Floor 0m	
B-71-001	71	IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
B-71-002		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
B-71-003		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-71-003		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-71-004		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-71-005		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-71-006		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
G-71-007		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
1-71-001		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
1-71-002		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
1-71-003		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
1-71-004		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
1-71-005		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-71-001		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-71-002		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-71-003		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-71-004		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-71-005		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
2-71-006		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
3-71-001		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
3-71-002		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
3-71-003		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	
3-71-004		IT Node Rooms	1	IT equipment (comms server)	25	18	None	None	Yes	Wall Mounted	Central General Extract	0	2	Negative	None	n/a	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m	

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (lit/s)	Extract (ach/s)	Relative pressure	Min. filtration	Surface temp	Water temp	Normal lux	Height lux	Local lux	Standby grade	Colour render	Control	Plane
3-T1-005		IT Node Rooms	1	IT equipment (compute server)	25	18	None	None	Yes	WUFI Mechanical	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-001		IT Node Rooms	1	IT equipment (compute server)	25	18	None	None	Yes	WUFI Mechanical	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-002		IT Node Rooms	1	IT equipment (compute server)	25	18	None	None	Yes	WUFI Mechanical	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
4-T1-003		IT Node Rooms	1	IT equipment (compute server)	25	18	None	None	Yes	WUFI Mechanical	Central General Extract	0	2	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-V1-001		Confidential Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
B-V1-002		WEEE - Furniture / Waste Control	1	Storage Area Equipment	n/a	n/a	Robotic Furniture	Remote Sensor Adj.	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-001		EC Plant Room 1	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-002		EC Plant Room 2	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-003		HV Gen Control Room	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-004		HV Generator	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-005		HV Plant	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-006		HV Plant	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-X1-008		Stainless Limes																						
M-X1-001	01	Mezz Plant 1	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001A		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001B		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-001C		Clinical Waste - Dirty	1	Dirty utility	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-002		General Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-003		Gas Manifold	1	Storage Area Equipment	n/a	n/a	Electric Heater	Remote Sensor Adj.	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-004		Kitchen Waste	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-005		Clinical Waste - Clean	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-006		Wash Area	1	Storage Area Equipment	n/a	n/a	n/a	None	No	None	Natural	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
G-Y1-008		Waste Store																						
		4 Plant 006																						

Rev 6. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments

Item	Initial Response	Feed back	Reconciliation	
1	Update the Environmental Matrix shall be updated by Project Co to reflect all the rooms and room types in the proposed Facility, this should be based on an updated Schedule of Accommodation that has been commented on separately by the Board. This also needs to reflect the names and room numbers in the GSU table.	Individual room numbering being applied.	OK	Agreed
2	Include the requirements contained in the Clinical Output Specification including but not limited to the requirement that theatre temperatures are to be able to be raised to 31°C for certain operations.	We have made reference to the figure of 31°C in the Guidance Notes. Theatre temperatures are to be able to be raised to 31°C for certain operations.	Temperature control in theatres is covered in the Operational Design Notes V5 14th Oct2014 for RHSC Theatres 1 & 2. Operating theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged in the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation. THIS HOWEVER IS NOT NOTED ANYWHERE	This statement is now incorporated within the guidance notes of the matrix
3	Measures shall be assessed, modelled and implemented to demonstrate that the internal air temperature of the following room types to reduce the temperature control from 28°C to 25°C: Treatment Rooms, Consulting Rooms; Laboratory; Physiotherapy Studio, Recovery. These room shall not exceed the maximum acceptable level of 25°C for more than 50 hours per annum	The Temp (max) column within the table has been updated to 25°C for the agreed rooms 3.1- 3.5 above.	OK	Agreed
4	Detailed proposal awaited on bedroom ventilation to achieve balanced/ negative pressure relative to corridor.	The single bedrooms have had their ensuite extract increased to achieve a balance within the room, this has been noted within the matrix.	NOTE 26 AND VENTILATION TYPE HAVE NOT BEEN ALTERED.	Refer to Matrix
5	Colour rendering all stated as 80 where certain areas should be 90	Amended.	NEEDS TO BE CHECKED FOR ALL	Refer to Matrix
6	There also need to have a consistent approach e.g. guidance notes and ED body view room stated as 28-8, bereavement suite body view room stated as 25-8.	The figure of 25-8 is now reflected within the matrix.	OK	Matrix now amended. See item 7 below.
7	Further discussion is required on the minimum temperate requirement for the Body View Room.	Awaiting confirmation on this one from the client, however discussion at the meeting on the 11/11/14 was that rather than take the room temperature down to 8°C which would require specialist cooling they would look at providing a cold blanket for the body and room temperatures would be retained as a normal room.	NHSL confirm following discussion with users that the use of a cooling blanket or cooling cot for the body is appropriate and therefore there is no requirement to have the room at 8 degrees and 25°C is acceptable	Matrix amended to minimum temperature of 18°C in place of 8°C.



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
1	Technical Submittal MER-XX-SL-TS-015 appears to contradict environmental note 13 by way of radiant panel controls.	Note 13 has been deleted from the matrix and Mercury's technical submittal takes precedent.	Now updated.	✗	✗	✓
2	1-B1-010 medical gas cylinder store. SHTM 02-01 states internal cylinders stores may require mechanical ventilation, please confirm no ventilation provided.	Extract ventilation has been provided. Matrix updated and drawings where appropriate.	Now updated.	✓	✗	✓
3	IPS room max/min temperatures stated as "Manufacturer Dependant", this is not acceptable. temperatures to be slated. Room has 3ac/h mechanical extract therefore heating type should be Adjacent space transfer air and temperatures accordingly.	Room temperatures have been added. Adjacent space transfer air added into heating type.	Now updated.	✗	✗	✓
4A	Isolation cubicles and bedrooms are not shown with any extract ventilation.	Extract rate and note added.	Now updated.	✗	✗	✓
4B	Gowning lobby, supply stated as "in line with SHPN 04" and extract stated as "To match total bedroom air volume", design development review required.	Note removed and extract rate added.	Now updated.	✗	✗	✓
5	Technical Submittal MER-XX-SL-TS-015 shows room 1-B1-057 with a radiant panel which contradicts Environmental Matrix room 1-B1-057 warm air reheat battery.	The air is heated by a heater battery which is BMS controlled as per the matrix.	No action required.	✗	✗	✓
6	Where ventilation rates 10l/s per person are slated, room occupancy to be detailed and ventilation rates calculated.	These particular areas have been designed based on occupancies, occupancy figures and ventilation rates have been added to these areas to provide clarity.	Now updated.	✗	✗	✓
7	1-B1-063 Stated as supply air 4ac/h, extract via en-suite, this room does not have en-suite facilities.	Room extract rate added.	Now updated.	✗	✗	✓
8	1-B1-090 has an area of 8m2 which is not stated in the matrix. PCo to populate areas.	A review will be carried out and any blank GIFA rates will be noted - Updated schedule of accommodation required for this item.	Now updated.	✗	✗	✓
9	3-C1.2-036 review ventilation type, only showing supply when 4ac/h supply and extract.	Ventilation type note amended to incorporate extract.	Now updated.	✗	✗	✓

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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
10	Room 1-G3-003/005/007 bathroom temperatures stated as 28 / 20 with adjacent space transfer air from area with temperatures of 28 / 18.	These bathrooms have their own radiant panel	Now updated	x	x	✓
11	Similarly isolation bedroom 3-C1.4-040. temperatures stated as 28 / 21 with adjacent space transfer air from area with temperatures of 28 / 18, ventilation described as "balanced"	The adjacent area: Lobby 3-C1 4-039 is heated via heater battery and will be at least 21°C. Matrix has been updated	Now updated	x	x	✓
12	3-C1 7-003, 004, 005 supply and extract "to suit location" not acceptable	Air change rates will be noted and the "to suit location" will be removed	Now updated	x	x	✓
13	G-D2-006 supply and extract "to suit location", statement "to suit location" is not acceptable.	Air change rates will be noted and the "to suit location" will be removed	Now updated	x	x	✓
14	Theatre ventilation stated as "in line with SHTM 03-01". correct, this is a BCR requirement. However dental surgeries are not mentioned in SHTM 03-01. I would suggest SHPN 36 part 2. The required ventilation to be designed and detailed.	In line with the SHTM 03-01 removed and air change rates added.	Now updated	x	x	✓
15	1-H2-021 is currently labelled a single bedroom but it is an isolation room, review ventilation.	This room function was RFI'd and has been designed as an isolation room (matrix has been updated).	Now updated	x	x	✓
16	1-P1-003 and 005 are bedrooms, not bathrooms.	Bathroom changed to bedroom	Now updated	x	x	✓
17	Kitchen states DW172 dependant, actual design detail to be added.	Design details will be noted and "DW172" will be removed.	Now updated	x	x	✓
18	Complete Estates SOA areas.	A review will be carried out and any blank GIFA rates will be noted.	Now updated	x	x	✓
19	Room B-S3-002 and 005 stated in Environmental Matrix as Adjacent Space Transfer Air, however shown with radiant panel on drawing	Matrix will be updated with radiant panel noted.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
20	ADB code reference should be confirmed.	ADB code reference is an unnecessary column for the use of this matrix so the column will be deleted from the environmental matrix.	Now updated	✗	✗	✓
21	Last column not titled What does it refer to?	This column to the IET grouping but this column has now been superseded by the categorisation document. Column will be deleted from the environmental matrix.	Now updated	✗	✗	✓
22	B-S3-002 & B-S4-001 can min temp be increased to 18?	Temperature will be altered to 18°C	Now updated	✗	✗	✓
23	Disposal hold – can min temp be reduced to 16	Sensor could be set to 16°C rather than 18°C but the reduction to the maximum temperature from 28°C to 25°C is problematic though so if required, cooling will be need to be added - Confirmed at meeting that 28°C is to be retained.	Now updated	✗	✗	✓
24	During a recent PG it was made clear that due to the nature of the research being carried out in the Clinical Research Department in rooms H2-013, 014, 016 and 020 the temperature cannot at any time exceed 25°C.	Cooling has been provided in H2-014, H2-016 and H2-020. H2-013 requires cooling. Matrix has been updated to reflect this but drawing requires updating.	Environmental Matrix updated and drawing to be updated	✓	✗	✓
25	Further to the recent discussion regarding hepa filtration in the isolation rooms the matrix should have been updated to reflect this.	The matrix doesn't note HEPA filter requirements but all isolation rooms have the capability of HEPA filters being installed	No action required	✗	✗	✓
26	G-F1 Bedrooms with 6ac/h where most bedrooms are taken as 4ac/h.	This is a CAHMS bedroom so 6 AC/H has been utilised, reference to natural ventilation will be removed.	Now updated	✗	✗	✓
27	B-S4-004. no supply air	Supply air reference will be added.	Now updated	✗	✗	✓
28	G-S6-016, Cooling - Yes, Cooling Type - None	Comfort cooled fresh air is now noted	Now updated	✗	✗	✓
29	G-Q1-007, Cooling – No, Cooling Type - Comfort cooled fresh air	Cooling note removed	Now updated	✗	✗	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
30	G-Q1-161, Heating type – Adjacent space transfer air, supply at 10 l/s/p positive pressure. Diagnostic rooms, "To suit location"	This room is part of corridor and shares heating and ventilation with corridor	No action required	x	x	✓
31	G-A1-004, supply 4 ac/h extract 3 ac/h positive, different to other diagnostic rooms.	We have treated this room like an office.	No action required	x	x	✓
32	Confirm where natural ventilation, i.e. 1-B1-063/065/067.	Extent of ventilation clarified on schedule.	Now updated	x	x	✓
33	3-C1-3-018, supply 4 ac/h extract 3 ac/h positive, different to other offices.	Air change rates utilised are in line with cellular offices	No action required	x	x	✓
34	1-L1-005 Resus area 30m2 with extract at 3 ac/h	This room has been updated on the matrix.	Now updated	x	x	✓
35	G-A1-028/029, Resus area with central general extract with supply at 10 ac/h extract at 6 ac/h	Ventilation type for these rooms has been updated in line with design	Now updated	x	x	✓
36	Consider absence detection to all offices, meeting rooms and node rooms.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas	No action required	x	x	✓
37	1-D3-002 Circulation Equipment Storage Bays, all others are presence detection	Automatic controls added.	Now updated	x	x	✓
38	Disposal hold, LG2 recommends 200 lux	100 lux will be changed to 200 lux.	Now updated	x	x	✓
39	IPS rooms normal lux stated as n/a.	200 lux will be added to the matrix.	Now updated	x	x	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
40	G-F1-028 030, 053, 045 and 1-L1-028 are described as offices but have local lux of 1000	Local lux figures to be removed.	Now updated	✗	✗	✓
41	Anaesthetic rooms, LG2 recommends local lux 1000 and Ra 80	Ra 80 has been noted in the environmental matrix and 1000 lux is for local lighting but 500 lux is for general, all as noted in the environmental matrix.	No action required	✗	✗	✓
42	Theatre exit bays (transfers), LG2 recommends normal lux 300 (local lux not required and Ra 80,	500 lux will be dropped to 300 lux, Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	✗	✓
43	Preparation rooms and scrub up, LG2 does not require local lux 10,000 – 100,000 or Ra 90	Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	✗	✓
44	Theatre utility rooms, LG2 recommends local lux 100 – 150 and does not require local lux 10,000 – 100,000, or Ra 90.	500 lux will be dropped to 150 lux, RA 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	✗	✓
45	Recovery areas, LG2 does not require local lux 1000 but does recommend Ra90	RA 80 will be increased to Ra 90 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	✗	✓
46	Nurse/touchdown bases not shown to have night lighting, confirm this achieved by dimming.	All night lighting is achieved by dimmable fittings.	No action required	✗	✗	✓
47	Resus trolley bay 1-D1-009 to be as other trolley bays, Ra 80 and presence detection.	1-D1-009 will be updated to reflect other trolley bays.	To be updated	✗	✗	✓
48	Review colour rendering, e.g. theatre suite, prep, anaesthetic, scrub utility, exit bay all Ra 80. Review consult/ examination rooms to have the higher colour rendering of Ra 90. All to be as CIBSE LG2.	RA 90 is currently shown in theatres, preparation rooms, scrub rooms, utility rooms and exit bay. Anaesthetic room will be changed to Ra90 from Ra80. We feel that the consultant room are general treatment rooms so should remain as Ra80; where Ra90 is required, it will be achieved via the examination luminaire.	Environmental Matrix updated and drawings to be updated	✓	✗	✓
49	No absence detection or daylight control detailed included from drawings.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	✗	✗	✓

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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
50	Medical location column states "See Guidance Notes" for every entry and not mentioned in those guidance notes.	This has been superseded by the risk profile document which sets out the medical grouping and classification. Column has been removed.	Now updated	X	X	✓

Environmental Matters - Guidance Notes

1. This workbook is prepared for the Financial Close Stage as an easier reference tool to replace ADB RDS M&E Sheets, for the Environmental Criteria elements as described on these sheets.
2. The services matrices are produced from the Schedule of Accommodation Sheets.
3. The design of the HVAC systems to the matrices shall be in accordance with SHTM 03-01.
4. Where radiant panels are indicated in any room in these matrices, detailed design development may remove the need for these without detriment to environmental performance. This design development is dependent on actual room layout, i.e. whether a room is located adjacent to an external wall, ground bearing floor, roof surface or is internal.
5. Ventilation air change rates and the use of natural ventilation in Patient Areas shall be reviewed throughout the detail design process to ensure a maximum internal temperature of 25°C (dry bulb) is not exceeded during normal occupancy. This criteria shall also apply to cellular and open plan office spaces.
6. Maximum internal temperatures listed relate to normal occupancy and Summer Design Conditions. External Summer Conditions for Cooling Plant Selection as per SHTM(025) Energy 5461, 1998 26deg C db, 19deg C wb. External Winter Conditions as per CIBSE Guide A Table A 2.2 for locality = 6°C for Heat Losses, and as SHTM 2025 for locality = 10°C for AHU Ventilation Plant design.
7. Emission lamp notes where listed are provisional. Detailed requirements (Fixed, mobile, illumination) will be detailed on C sheets as agreed from signed off 1.50 RDS which shall take precedence over the schedule.
8. All lighting levels are derived from CIBSE Lighting Guide LG2.
9. Colour rendering refers to CIBSE Lighting Design Guide and will be applied throughout.
 - "80" - Minimal
 - "90" - Enhanced to provide close as possible match to natural light for clinical purposes.
10. Thermostatic Mixing Devices - SHTM 04 01 Guidance shall be employed for specific TRY Type versus listed Area Activity.
11. Standby Lighting to be Grade A throughout.
12. The internal temperature in naturally or mechanically ventilated rooms shall not exceed the maximum temperature as listed on these Environmental Matters provided external summer design criteria is not exceeded.
13. Note Deleted.
14. Local Control BMS Temperature Sensors for ducted renewal zones and chilled water cassettes for hotspots shall be provided with local range adjustment to +/- 2°C of BMS Set Point. BMS set point shall be adjustable via operator user dialogue through formal FIM.
15. **Typical Maximum** - Design Criteria - SHTM 03 01 Clause 11 - internal temperatures in patient areas should not exceed 28°C db for more than 50 hrs per year. Appendix 1 SHTM 03 01 gives 18°C to 28°C (db) range. IAHSL however require that the maximum internal design temperature should not exceed 25°C for more than 50 hrs per year.

Min/Max - Design Criteria - IAHM 57 gives specific guidance as well as SHTM 03 01 Appendix 1 for air change rates. 10ach/hr Supply 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the internal maximum and minimum range conditions.)

The deployment will be control cooled and controlled on a zonal basis.

Central AHU to be provided with blank section for future provision of humidification.

Pool theatre recovery zones - Design Criteria - SHTM 03 01 Appendix 1 for air change rates. 15ach/hr SAE 18°C to 25°C control range. (Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions.)

Critical Care areas - Design Criteria - SHTM 03 01 Appendix 1 for air change rates. 10ach/hr Supply for isolation cubicles. 18°C to 25°C control range. Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions. IAHSL may require specific rooms to have a control range up to 20°C.

Central AHU to be provided with blank section for future provision of humidification.
16. **Corridor** ventilation may be either mechanical or where the opportunity exists natural. To be determined during detailed design when due regard to clinical functionality.
17. **Single Room WC** - SHTM 03 01 Appendix 1 suggests 3ach/hr extract air change rate only. We have applied 10ach/hr extract rate to provide a more robust rate of extract.
18. **Diagnostic Rooms** - X Ray (CT Scanners, MRI Scanners, Gamma Camera) - air change rates listed at loc. 1v. Actual air change rate must be derived through room heat gain analysis and actual equipment guidance.
19. **Operating Theatre Laminar Flow UCV Requirements** - Refer to Operational Policy Documents for specific theatres which require Laminar Flow UCV canopy style ventilation solution.

Central AHU to be provided with blank section for future provision of humidification.

Operating Theatres 1 P1 032 and 1 P1 044 shall operate normally as detailed in the Environmental Matters. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged on the BMS and the temperature requirements of the Environmental Matters shall not apply for the duration of the elevated temperature operation.
20. **Small workshop Areas** - Local Extract Ventilation (LEV) unit requirement to be determined from room equipment schedules.
21. **Note that Isolation Suite ventilation solutions for this project shall follow IAHM 4 Supplement 1 Section 4 Item 4.8 Guidance 1.9.**

A common departmental AHU shall be employed to provide supply air ventilation (and shall therefore employ duty & standby fans). Isolation Rooms En Suite Extracts shall be provided with an independent Isolation Room local extract ventilation system. Isolation Rooms En Suite Extracts shall be provided with exch. externally located. High discharge stack in a safe location or with extract filters. H14 - within a safe change housing outside the building on the suction side of the fan. Heating & Cooling the Isolation Suites shall be provided via the ventilation system.
22. **Retal Provision** - Services providers listed are infrastructure only for future fit out by retailer. Fire detection shall be provided to assist completion.
23. **Common Cooled Fresh Air** - Where noted as such on the matrix, these are provided via departmental air handling plant via chilled water cooling coils.
24. **Body View Room** - A cooling blanked in cooling coil shall be used in this room.
25. Air in lecture rooms (17no. of) will be treated as sealed rooms with Supply air Exch. and Extract to match to achieve a balanced pressure.
26. **Single Bedroom** - The design philosophy for ventilation is for a mixed mode operation where natural vent is encouraged which has benefits both physiological with users being partly in control, and from an energy stand point where mechanical vent cooling is permitted (23hrs). This strategy results in zero pressure differential regime within the room where supply and extract is balanced. En suite dry extract volume flow rate has been increased to achieve a balanced ventilation system.
27. **Offices** have been noted as being 400L/s however have the ability through the KNX system to be dimmed to 300L/s.

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (cfm)	Extract (cfm)	Relative pressure	Min. Air-gage	Surface Temp	Wipe Index	Normal Use	Height	Local Use	Standby grade	Control	Phone		
G-41-002	Emergency Department	Reception/HRM	1	Reception/HRM	28	18	Adjustable Space Transfer Air	None	No	None	Central Duty Extract	0	0	Negative	None	196	n/a	200	n/a	None	A	91	Automatic Controls	Floor On	
G-41-003		Store Medical Gas Cylinders	1	Storage Area Med Gas	28	18	Adjustable Space Transfer	None	No	None	Central General Extract	0	0	Positive	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-004		Processing Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	3 people @ 10 fpm per person (Max)	3 people @ 10 fpm per person (Max)	Balanced	8"	42	196	300	n/a	1300	A	91	Switch Controls	General working plane 17ft	
G-41-005		Changing Facilities	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low profile Cassette (Fresh Air)	Central Supply and Extract	5	4	Positive	8"	43	196	130	n/a	None	A	90	Automatic Controls	Floor On	
G-41-006		General & Ray Room	1	Diagnostic room	25	18	Warm Air Heating Elements	None	No	Boiler/Space	Central Supply and Extract	8	4	Balanced	8"	43	41	300	n/a	1300	A	91	Switch Controls	General working plane 17ft	
G-41-007		City Utility	1	City Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	None	None	Central Duty Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor On
G-41-008		Workshop Room	1	City Utility	28	18	Radiant Panels	Remote Sensor AS	Yes	None	None	Central Duty Extract	0	0	Negative	None	43	41	200	n/a	None	A	91	Automatic Controls	Floor On
G-41-009		WC - Wheelchair accessible	1	Toilet	28	18	Adjustable Space Transfer	None	No	None	None	Central Duty Extract	0	10	Negative	None	196	41	200	n/a	None	A	90	Automatic Controls	Floor On
G-41-010		Laboratory - New 7 rooms existing Status	1	Laboratory	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	4	4	Balanced	8"	43	50	500	n/a	None	A	91	Switch	General working plane 17ft	
G-41-011		Lean Bay (17 Tables)	1	Lean Bay	28	18	Adjustable Space Transfer	None	No	None	None	None	0	0	n/a	None	196	n/a	170 x 17ft	n/a	None	A	90	Automatic Controls	Floor On
G-41-012		Treatment Room 5 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	17	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-013		Treatment Room 10 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	10	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-014		Treatment Room 6 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	17	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-015		Treatment Room 11 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	17	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-016		Staff & Communication Base	1	Reception	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Supply and Extract	3 people @ 10 fpm per person (Max)	4 people @ 12 fpm per person (Max)	Balanced	8"	43	n/a	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
G-41-017		Store - Dispensing Fluids	1	Storage Area Equipment	28	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	196	n/a	None	A	90	Automatic Controls	General working plane 17ft	
G-41-018		Treatment Room 7 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	15	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-019		Treatment Room 12 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	15	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-020		Treatment Room 8 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	15	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-021		Treatment Room 13 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	15	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-022		Treatment Room 9 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	15	0	Positive	8"	43	81	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-023		Support Base	1	Storage Area Equipment	28	18	Radiant Panels	Remote Sensor AS	Yes	None	Central General Extract	5	0	Positive	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-024		Treatment Room 14 - Dual Access	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply Air	10	0	Positive	8"	43	41	500	n/a	1300	A	91	Switch	Bed - Trayley 145m	
G-41-026		Main Entrance Drought Lobby	1	Reception Area - Entrance Lobby	28	18	Warm Air (Low Profile)	None	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor On
G-41-028		Rehabilitation Room - 2 tables	1	Rehabilitation Bay	25	21	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	15	15	Balanced	8"	43	81	500	n/a	None	A	90	Switch	Bed - Trayley 145m	
G-41-029		Rehabilitation Room - 2 tables	1	Rehabilitation Bay	25	21	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Extract	15	15	Balanced	8"	43	81	500	n/a	None	A	90	Switch	Bed - Trayley 145m	
G-41-030		IPS Room	1	IPS Room	30	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-031		Body Warming Room	1	Body Wrm	25	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	4	8	Negative	8"	43	n/a	100 x 17ft	n/a	None	A	90	Switch Controls	Floor On	
G-41-032		Sitting Room	1	Common room staff room lounge	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	6	8	Negative	8"	43	41	300	n/a	None	A	90	Switch	Floor On	
G-41-033		WC - Wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor AS	Yes	None	Central Duty Extract	0	10	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-034		Store - Major Incident - Ambulance Equipment	1	Storage Area Equipment	28	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-035		1-Tag Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply Air	10	0	Positive	8"	43	41	500	n/a	1500	A	90	Switch	Bed - Trayley 145m	
G-41-036		Reception 2 table	1	Reception	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	2 people @ 10 fpm per person (Max)	2 people @ 10 fpm per person (Max)	Balanced	8"	43	n/a	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
G-41-037		Parking Bay - 8 ambulances	1	Consign Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-038		Main Entrance Drought Lobby	1	Reception Area - Entrance Lobby	28	18	Warm Air (Low Profile)	None	No	None	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor On
G-41-039		Reception 1 - ambulant patient & 3 wheelchair	1	Consign Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-040		Store - Equipment & Supplies	1	Storage Area Equipment	28	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-041		WC - Wheelchair accessible	1	Toilet	28	18	Radiant Panels	Remote Sensor AS	Yes	None	Central Duty Extract	0	10	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-042		WC - Wheelchair accessible	1	Toilet	28	18	Adjustable Space Transfer Air	None	No	None	Central Duty Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-043		Female Staff Changing and Lockers Washroom	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low profile Cassette (Fresh Air)	Central Supply and Extract	5	4	Positive	8"	43	41	170	n/a	None	A	90	Automatic Controls	Floor On	
G-41-044		Staff Shower - ambulant	1	Bathroom	28	20	Adjustable Space Transfer Air	None	No	None	Central Duty Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-045		Waiting Area for Play Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	28 people @ 10 fpm per person (Max)	28 people @ 10 fpm per person (Max)	Balanced	8"	43	n/a	300	n/a	None	A	90	Switch	Floor On	
G-41-046		Baby Inlay - 3 waiting Room	1	Baby Waiting	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Duty Extract	0	10	Negative	None	43	41	120	n/a	None	A	90	Automatic Controls	Floor On	
G-41-047		Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Sensor AS	No	None	Central Duty Extract	0	10	Negative	None	43	41	120	n/a	None	A	90	Switch	Floor On	
G-41-048		Male Staff Changing Rooms and Lockers 20 places	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low profile Cassette (Fresh Air)	Central Supply and Extract	5	4	Positive	8"	43	41	130	n/a	None	A	90	Switch	Floor On	
G-41-049		Staff Shower - ambulant	1	Bathroom	28	20	Adjustable Space Transfer Air	None	No	None	Central Duty Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	90	Automatic Controls	Floor On	
G-41-050		Consultant Office (4 persons)	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	4	0	Positive	8"	43	n/a	470	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
G-41-052		Ward Manager's Office	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	4	0	Positive	8"	43	n/a	430	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
G-41-053	Intensive Monitoring Room (4 persons)	1	Monitoring Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Ceiling Cassette (Chilled Water)	Central Supply and Extract	4 people @ 10 fpm per person (Max)	4 people @ 10 fpm per person (Max)	Balanced	8"	43	n/a	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m		
G-41-054	Beverage Bar	1	Tea Making	28	18	Adjustable Space Transfer	None	No	None	None	0	0	n/a	None	196	41	100 x 17ft	n/a	None	A	90	Switch	Floor On		
G-41-055	WC - Wheelchair accessible	1	Toilet	28	18	Adjustable Space Transfer	None	No	None	Central Duty Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	90	Automatic Controls	Floor On		
G-41-056	CDR	1	CDR	28	18	Adjustable Space Transfer	None	No	None	Central Duty Extract	0	0	Negative	None	n/a	60	100	n/a	None	A	90	Automatic Controls	Floor On		

Room No.	Department	Room Name	Qty	Room Function	Temp (seal)	Temp (room)	Heating Type	Heating Control	Casting (precast)	Casting (type)	Ventilation (type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	8th Stratum	Surface temp	Water temp	Humid (hrs)	Height (ft)	Level (ft)	Stowage (grade)	Column number	Control	Plane
G. A1 057		Medical Staff - Audit - Daily Office - Pharmacy	1	Consult - Ward Office	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	0	Positive	FF	43	41	120	14	None	A	80	Switch	Bed - Tray 1 & 2
G. A1 058		WC - Day	1	Toilet	25	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	12	Negative	None	49	41	200	14	None	A	80	Auto-ctrl Controls	Floor Dr
G. A1 059		Store - Stock & Supply	1	Storage Area - Equipment	25	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	49	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 060		Treatment Room 1 - Single Access	1	Treatment Room	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	11	0	Positive	FF	43	41	500	14	1000	A	80	Switch	Bed - Tray 1 & 2
G. A1 061		Treatment Room 4 - Single Access	1	Treatment Room	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Central Supply Air	12	0	Positive	FF	43	41	500	14	1000	A	80	Switch	Bed - Tray 1 & 2
G. A1 062		Treatment Room 2 - Single Access	1	Treatment Room	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Central Supply Air	13	0	Positive	FF	43	41	500	14	1000	A	80	Switch	Bed - Tray 1 & 2
G. A1 063		Plasty - Staff - Patients	1	Party	25	18	Adaptive Space Transfer Air	None	Yes	Central General Extract	Central Supply and Extract	6	8	Negative	FF	43	41	300	14	None	A	80	Switch	Floor Dr
G. A1 064		Treatment Room - Single Access	1	Treatment Room	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Central Supply Air	10	0	Positive	FF	43	41	500	14	1000	A	80	Switch	Bed - Tray 1 & 2
G. A1 065		WC - Washbasin	1	Storage Area - Equipment	25	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	2	Negative	None	49	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 066		Plasty Suite 12 (bldg)	1	Plasty Suite (1/2 bldg)	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Central Supply and Extract	1	7	Balanced	FF	43	41	300	14	1000	A	80	Switch	Bed - Tray 1 & 2
G. A1 067		WC - Washbasin accessible	1	Toilet	25	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	49	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 072		Mobile X-Ray Bay	1	Mobile X-Ray Bay	25	18	Adaptive Space Transfer Air	None	Yes	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Auto-ctrl Controls	Floor Dr
G. A1 081		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081A		Corridor	10	Corridor	25	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081B		Corridor	10	Corridor	25	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081C		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	Central General Extract	0	11	Negative	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081D		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	Central General Extract	0	4	Negative	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081E		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081F		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081G		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081H		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081I		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081J		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081K		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081L		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081M		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081N		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081O		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081P		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081Q		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081R		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081S		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081T		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081U		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081V		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081W		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081X		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081Y		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 081Z		Corridor	10	Corridor	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A1 082		Single Bedroom 15 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 002		1/2 suite wheelchair accessible WC, Shower & wash	18	Bathroom	25	20	Adaptive Space Transfer Air	None	Yes	None	Central Dry Extract	0	16 (max)	Negative	None	49	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A2 004		Single Bedroom 18 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 005		1/2 suite wheelchair accessible WC, Shower & wash	1	Bathroom	25	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	16 (max)	Negative	None	49	41	200	14	None	A	80	Auto-ctrl Controls	Floor Dr
G. A2 006		Single Bedroom 19 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 007		1/2 suite wheelchair accessible WC, Shower & wash	1	Bathroom	25	20	Radiant Panels	Female Servo Adj	No	None	Central Dry Extract	0	16 (max)	Negative	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A2 008		Reception Staff Line	1	Reception	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Central Supply and Extract	7 (max)	7 (max)	Balanced	FF	43	41	300	14	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G. A2 009		Single Bedroom 20 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	No	None	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 010		1/2 suite wheelchair accessible WC, Shower & wash	1	Bathroom	25	20	Radiant Panels	Female Servo Adj	No	None	Central Dry Extract	0	16 (max)	Negative	None	43	41	200	14	None	A	80	Auto-ctrl Controls	Floor Dr
G. A2 011		Teachroom Base 4	4	staff base	25	18	Radiant Panels	Female Servo Adj	No	None	None	0	0	n/a	None	43	41	200	14	1000	A	80	Switch Damper	Desk 0.75 to 0.85m
G. A2 012		Single Bedroom 17 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 013		1/2 suite wheelchair accessible WC, Shower & wash	1	Bathroom	25	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	16 (max)	Negative	None	49	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A2 014		Single Bedroom 21 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 015		1/2 suite wheelchair accessible WC, Shower & wash	1	Bathroom	25	20	Radiant Panels	Female Servo Adj	No	None	Central Dry Extract	0	16 (max)	Negative	None	43	41	200	14	None	A	80	Auto-ctrl Controls	Floor Dr
G. A2 016		Reception 1 lobby Bay	1	Reception 1 lobby bay	25	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	49	41	200	14	None	A	80	Auto-ctrl Controls	Floor Dr
G. A2 017		Single Bedroom 16 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural & Central Supply Air	4	16 (max)	Balanced	FF	43	41	150	5	300	A	80	Switch Damper	Bed - Tray 1 & 2
G. A2 018		1/2 suite wheelchair accessible WC, Shower & wash	1	Bathroom	25	20	Radiant Panels	Female Servo Adj	No	None	Central Dry Extract	0	16 (max)	Negative	None	43	41	200	14	None	A	80	Automatic Controls	Floor Dr
G. A2 019		Single Bedroom 22 (RHSC)	1	Bedroom	25	18	Radiant Panels	Female Servo Adj	Yes	Leaking Laminates Chilled Water	Natural													

Room No	Department	Room Name	Oy	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (max)	Cooling (min)	Ventilation (typ)	Supply (typ)	Extract (typ)	Relative Humidity	Min. Airflow	Surface Temp	Water Temp	Humid. Ratio	Light Lux	Acoustic Index	Soundly grade	Colour number	Control	Flare		
G A2 037	Paediatric Acute Receiving Unit - 51 Beds	En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On		
G A2 037		Single Bedroom 12 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Balanced	BT	43	41	120	5	300	A	80	Switch Damper	Bed Tray 1 45%			
G A2 038		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 038		Single Bedroom 12 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Balanced	BT	43	41	120	5	300	A	80	Switch Damper	Bed Tray 1 45%			
G A2 038		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 037		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Balanced	BT	43	41	120	5	300	A	80	Submitt Controls	Bed Tray 1 45%			
G A2 038		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 039		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Positive	BT	43	41	120	n.a	1000	A	90	Switch	Bed Tray 1 45%			
G A2 040		Dining / Play Room	1	Common room staff rest lounge	22	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Negative	BT	43	41	300	n.a	None	A	90	Switch	Floor On			
G A2 041		Ward Office	1	Ward Office	25	18	Radiant Panels	Remote Sensor AS	No	None	None	Central General Extract	0	0	Negative	None	43	40	100	n.a	None	A	80	Switch	General working plane 1m	
G A2 042		Single Bedroom 10 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Balanced	BT	43	41	120	5	300	A	80	Switch Damper	Bed Tray 1 45%			
G A2 043		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 043		Single Bedroom 9 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Sub-Exhaust 10	Balanced	BT	43	41	120	5	300	A	80	Switch Damper	Bed Tray 1 45%		
G A2 045		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 046		4 Bed Room	1	Mult bed Wards	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Positive to outside	BT	43	41	100	5	300	A	80	Submitt Controls	Bed Tray 1 45%			
G A2 047		WC Accessible	1	Toilet	25	18	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 048		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 049		Touchdown Base 2	1	staff base	25	18	Radiant Panels	Remote Sensor AS	No	None	None	None	0	0	0	None	43	n.a	200/300	n.a	1000	A	80	Switch Damper	Desk 0.75 to 0.85m	
G A2 050		Single Bedroom 8 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 051		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 052		Single Bedroom 7 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 053		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 054		4 Bed Room	1	Mult bed Wards	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural and Central Supply Air	4	no intake	Positive to outside	BT	43	41	100	5	300	A	80	Submitt Controls	Bed Tray 1 45%
G A2 055		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 056		WC Accessible	1	Toilet	25	18	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 057		Single Bedroom 6 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 058		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 060		Single Bedroom 5 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 061		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 062		WC Staff	1	Toilet	25	18	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 063		Linon Bay - 1 Trolley	1	Storage Area Equipment	25	18	Adaptive Select Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 064		Store Equipment	1	Storage Area Equipment	25	18	Adaptive Select Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 065		Single Bedroom 4 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 066		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 067		Single Bedroom 3 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 068		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 069		Touchdown Base	1	Staff base	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Central Supply Air	2 person at 1000 per person (RHSC)	0	Positive	BT	43	n.a	200/300	n.a	1000	A	80	Switch Damper	Desk 0.75 to 0.85m
G A2 070		Single Bedroom 2 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 071		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	43	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 072		Single Bedroom 1 (RHSC)	1	Bedroom	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Natural & Central Supply Air	4	no intake	Balanced	BT	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1 45%
G A2 073		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 074		Restroom Bedroom 1 (RHSC)	1	Restroom Bedroom	25	18	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 075		Restroom Bedroom 2 (RHSC)	1	Restroom Bedroom	25	18	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 076		En suite wheelchair accessible WC Shower & wash	1	Bathroom	25	20	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 077		Restroom Bedroom Entrance Lobby	1	Restroom Bedroom	25	18	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	Minimum 10	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 078		Store - General	1	Storage Area Equipment	25	18	Adaptive Select Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On	
G A2 079		Patients Assured Bathroom	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Duty Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Switch	Floor On	
G A2 077		Mult Disciplinary Office	1	Mult Disciplinary Work Areas	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Positive	BT	43	n.a	400	n.a	None	A	80	Submitt Controls	Desk 0.75 to 0.85m			
G A2 078	Ward Management Office	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Positive	BT	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m				
G A2 079	On Call Consultants Office 2 Person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Positive	BT	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m				
G A2 080	OSR	1	OSR	25	18	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	0	Negative	None	18	41	200	n.a	None	A	80	Submitt Controls	Floor On		
G A2 081	Clinical Coordination Office 12 Person	1	Cellular / Ward Offices	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	0	Positive	BT	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m				
G A2 082	Dispensary	1	Dispensary	25	18	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	0	Negative	None	18	41	200	n.a	None	A	80	Switch Damper	Floor On		
G A2 083	Planned Intervention Rooms	1	Mixing Rooms	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	4	no intake	Central Supply and Extract	6 person at 1000 per person (RHSC) 6 person at 1000 per person (RHSC)	0	Balanced	BT	43	n.a	300	n.a	None	A	80	Switch	Desk 0.75 to 0.85m	
G A2 084	Duty Office	1	Duty office	25	18	Adaptive Select Transfer Air	None	No	None	None	Central Duty Extract	0	0	Negative	None	18	41	200	n.a	None	A	80	Switch	Floor On		

Room No	Department	Room Name	City	Room Function	Temp (aset)	Temp (range)	Heating Type	Heating Control	Cooling (aset)	Cooling (type)	Exhaust (type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Air Motion	Surface temp	Humidity (set)	Humidity (act)	Light lux	Local fan	Stability (y/n)	Colour sample	Control	Plans
G 42 004		Corridor		Corridor	20	18	Radiant Panels	Remote Sensor Adj	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 42 007		Corridor		Corridor	20	18	Radiant Panels	Remote Sensor Adj	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 42 008		Corridor		Corridor	20	19	Adjustable Speed Transfer Air	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 42 009		Switch Cupboard		Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 42 009		Switch Cupboard		Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 42 009		Switch Cupboard		Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 43 001		Staff Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	30	Switch	Floor Dr
G 43 002		Senior & Training Room	1	Meeting Room	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Chilled Water	Central Supply and Extract	22 people at 10 l/s per person (1000)	22 people at 10 l/s per person (1000)	Balanced	FF	43	41	300	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
G 43 003		Meeting / Case Conference Room	1	Meeting Room	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Chilled Water	Central Supply and Extract	22 people at 10 l/s per person (1000)	22 people at 10 l/s per person (1000)	Balanced	FF	43	41	300	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
G 43 004		Lobby	1	Lobby	Not Controlled	Not Controlled	None	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
G 43 005		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 002		Removal Equipment Store	1	Storage Area Equipment	20	16	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 003		Staff Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	30	Switch	Floor Dr
1 01 004		Senior Nursing Office	1	Calute Ward Office	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Chilled Water	Central Supply and Extract	6	3	Positive	FF	43	45	400	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
1 01 005		IT Staff	1	Team	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 005		WC Staff	1	Team	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 007		Equipment Service Room	1	Small Workshop	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	8	Negative	FF	43	41	300	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
1 01 008		IPS Room	1	IPS Room	20	18	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 009		Open Plan Bay - 4 beds	1	Male and Female	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Natural and Central Supply Air	6	7.7	Positive	FF	43	41	150	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 010		Car Cylinder Store	1	Storage Area Gas Gas	20	16	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 011		Multidisciplinary Work Area (MCA)	1	Multi Disciplinary Work Area	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Chilled Water	Central Supply and Extract	4	4	Positive	FF	43	45	400	n/a	3000	A	30	Switch	Desk @ 75 to 0.25m
1 01 012		Staff Room	1	Calute Ward Office	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	3	Positive	FF	43	45	400	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
1 01 014		Resuscitation Trolley Bay	1	Resuscitation Equipment Storage Bays	20	16	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 015		Waiting Lobby	1	Isolation Lobby	20	21	Warm Air Heated Battery	Local BMS Adjustable	Yes	Light Exhaust Fresh Air	Central Supply	10	1	Positive	H14	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 016		Single Bed Isolation Cubicle	1	Isolation Bedrooms	20	21	Adjustable Speed Transfer Air	BMS Adjustable	Yes	Light Exhaust Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	150	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 017		Single Bed Isolation Cubicle	1	Isolation Bedrooms	20	21	Adjustable Speed Transfer Air	BMS Adjustable	Yes	Light Exhaust Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	150	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 018		Waiting Lobby	1	Isolation Lobby	20	21	Warm Air Heated Battery	Local BMS Adjustable	Yes	Light Exhaust Fresh Air	Central Supply	10	1	Positive	H14	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 019		Single Bed Cubicle	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Chilled Water	Central Supply & Extract	6	6	Balanced	FF	43	41	300	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 020		Single Bed Cubicle	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Chilled Water	Central Supply & Extract	6	6	Balanced	FF	43	41	300	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 021		Single Bed Cubicle	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply & Extract	6	6	Balanced	FF	43	41	300	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 022		Staff Base	1	Calute Ward Office	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	3	Positive	FF	43	45	400	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
1 01 024		Resuscitation Trolley Bay	1	Resuscitation Equipment Storage Bays	20	16	Adjustable Speed Transfer Air	None	No	None	None	0	0	neg	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 025		Waiting Lobby	1	Isolation Lobby	20	21	Warm Air Heated Battery	Local BMS Adjustable	Yes	Light Exhaust Fresh Air	Central Supply	10	1	Positive	H14	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 026		Single Bed Isolation Cubicle	1	Isolation Bedrooms	20	21	Adjustable Speed Transfer Air	BMS Adjustable	Yes	Light Exhaust Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	150	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 027		Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply Air	6	0	Positive	FF	43	41	150	n/a	None	A	30	Automatic Controls	General working plane 1.5m
1 01 029		Bed Room Chair - Suggest Storage	1	Storage Area Equipment	20	16	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 029		Dirty Utility	1	Dirty Utility	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dirty Extract	0	0	Negative	None	43	41	200	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 030		Linens Bay - 3 Trolleys	1	Linens Bay	20	16	Adjustable Speed Transfer Air	None	No	None	None	0	0	neg	None	43	45	100-150	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 031		Open Plan Bay - 4 beds	1	Male and Female	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply & Extract	6	7.8	Positive	FF	43	41	150	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 032		Patients' Assisted Bathroom	1	Bathroom	20	22	Radiant Panels	Remote Sensor Adj	No	None	Central Dirty Extract	0	10	Negative	None	43	41	250	n/a	None	A	30	Switch	Floor Dr
1 01 033		Waiting Lobby	1	Isolation Lobby	20	18	Warm Air Heated Battery	Local BMS Adjustable	Yes	Light Exhaust Fresh Air	Central Supply	10	1	Positive	H14	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 034		Linens Bay - 2 Trolleys	1	Linens Bay	20	16	Adjustable Speed Transfer Air	None	No	None	None	0	0	neg	None	43	45	100-150	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 035		Hand Bay	1	Resuscitation Equipment Storage Bays	20	16	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 036		Single Bed Isolation Cubicle	1	Isolation Bedrooms	20	21	Adjustable Speed Transfer Air	BMS Adjustable	Yes	Light Exhaust Fresh Air	Supply via lobby	10	10	Balanced	H14	43	41	150	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 037		Single Bed Cubicle	1	Bedroom	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply & Extract	6	6	Balanced	FF	43	41	300	5	300	A	30	Switch	Bed Tray @ 1.5m
1 01 038		Staff Base	1	Staff Base	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	3	Positive	FF	43	45	400	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
1 01 039		Resuscitation Trolley Bay	1	Resuscitation Equipment Storage Bays	20	16	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 041		Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply Air	6	0	Positive	FF	43	41	150	n/a	None	A	30	Automatic Controls	General working plane 1.5m
1 01 042		Multidisciplinary Work Area (MCA)	1	Multi Disciplinary Work Area	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	4	4	Positive	FF	43	45	400	n/a	3000	A	30	Switch	Desk @ 75 to 0.25m
1 01 043		Laboratory	1	Laboratory	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	6	6	Balanced	FF	43	45	500	n/a	None	A	30	Switch	Desk @ 75 to 0.25m
1 01 044		IPS Room	1	IPS Room	20	18	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	45	250	n/a	None	A	30	Automatic Controls	Floor Dr
1 01 045		Queue Interview Room	1	Meeting Room	20	18	Radiant Panels	Remote Sensor Adj	Yes	Light Exhaust Fresh Air	Central Supply and Extract	4 people at 10 l/s per person (1000)	4 people at 10 l/s per person (1000)	Balanced	FF	43	45	200	n/a	None	A	30	Switch	Desk @ 75 to 0.25m

Room No	Department	Room Name	Qty	Room Function	Femp (max)	Temp (max)	Heating Type	Heating Control	Cooling (max)	Cooling (type)	Ventilation (type)	Energy (kWh)	Extract (cfm)	Relative pressure	Min. Airspan	Surface Temp	Water Temp	Normal Hgt	Height Hgt	Local Hgt	Standby grade	Control Center	Phone	
1-B1-046	PHSC and HCU's 24 Beds	Store Equipment		Storage Area Equipment	25	16	Radiant Panels	Remote Control	No	None	Central General Exhaust	0	0	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-047		Family Interview Room	1	Interview Room	25	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	3 people at 10-15 per person (20)	5 people at 10-15 per person (75)	Balance	7.7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-048		On call consultants	1	Consult - Ward Offices	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	6	0	Positive	7.7	43	41	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-049		Reception Team	1	Consult - Ward Offices	29	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	6	0	Positive	7.7	43	41	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-050		Bulk Supplies Store	1	Storage Area Equipment	29	16	Radiant Panels	Remote Control	No	None	Central General Exhaust	0	0	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-051		Eds Manager & Supervisor (Clinical Director)	1	Consult - Ward Offices	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	6	0	Positive	7.7	43	41	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-052		Waiting Area (Visitors)	1	Waiting Room	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	5	0	Balance	7.7	43	41	300	n/a	None	A	80	Switch	Floor On
1-B1-053		WC - wheelchair accessible	1	Toilet	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-054		1 Play Processing	1	Diagnostic room	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	5	0	Balance	7.7	43	41	300	n/a	1000	A	80	Switch	General working plane 1.4
1-B1-055		Mind & Ray (36 sound Bay)	1	Consultation Equipment Storage Bays	29	16	Adaptive Space Transfer Air	None	Yes	Lowest Limited Fresh Air	Central Supply & Extract	6	6	Balance	7.7	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-056		Cardiac Echo ECG Bay	1	Consultation Equipment Storage Bays	29	16	Adaptive Space Transfer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-057		General Room	1	Waiting Room	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	10 people at 10-15 per person (150)	10 people at 10-15 per person (150)	Balance	7.7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-058		Diagnose Ward	1	Diagnose Ward	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-059		WC - Staff	1	Toilet	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-060		Open Plan Bay (4 beds)	1	Multi-bed Ward	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply & Extract	6	7.5	positive	7.7	43	41	430	5	300	A	80	Switch	Bed - Endless 1.45m
1-B1-061		Open Plan Bay (3 beds)	1	Multi-bed Ward	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply Air	4	1.8	positive	7.7	43	41	430	5	300	A	80	Switch	Bed - Endless 1.45m
1-B1-062		Clean Utility (new Area)	1	Clean Utility	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply Air	6	0	Positive	7.7	43	41	430	n/a	None	A	80	Automatic Controls	General working plane 1.4
1-B1-063		Gas Cylinder Store	1	Storage Area Med Gases	29	16	Adaptive Space Transfer Air	None	No	None	General Central Exhaust	0	0	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-064		Safety Ward / Waiting Room	1	Baby Feeding	29	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Dry Extract	0	0	Negative	None	43	41	300	n/a	None	A	80	Switch	Floor On
1-B1-065		Staff Store	1	Consult - Ward Offices	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	4	0	Positive	7.7	43	41	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1-B1-066		Receptionist Trolley Bay	1	Consultation Equipment Storage Bays	29	16	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-067		Play Specialist Bed & Store	1	Storage Area Equipment	29	16	Adaptive Space Transfer Air	None	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	6	6	Positive	7.7	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-068		Flanery - 100 Store	1	Flanery	29	18	Adaptive Space Transfer Air	None	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	6	0	Negative	7.7	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-069		4 in suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	23	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-070		Single Cot Cubicle	1	Bedroom	29	15	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Bed and Comm Supply Air	0	0	Balance	7.7	43	41	100	5	300	A	80	Switch	Bed - Endless 1.45m
1-B1-071		OSR	1	OSR	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor On
1-B1-072		Reception Overnight Stay Room	1	Reception Overnight Stay	29	20	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply Air	6	0	Positive	7.7	43	41	100	n/a	None	A	80	Switch	Bed - Endless 1.45m
1-B1-073		4 in suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	23	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-074		WC - Patients	1	Toilet	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-075		Reception Overnight Stay Room	1	Reception Overnight Stay	29	20	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply Air	6	0	Positive	7.7	43	41	100	n/a	None	A	80	Switch	Bed - Endless 1.45m
1-B1-076		4 in suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	23	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-077		Reception - Sing Room	1	Common room staff room lounge	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Negative	7.7	43	41	300	n/a	None	A	80	Switch	Floor On
1-B1-078	Equipment (Waiting)	1	OSR	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-079	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-080	Corridor	1	Corridor	29	18	Radiant Panels	Remote Control	Yes	None	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
1-B1-081	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-082	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-083	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-084	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-085	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-086	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-087	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-088	Corridor	1	Corridor	29	18	None	None	No	None	None	0	0	n/a	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On	
1-B1-089	Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	43	43	100	n/a	None	A	80	Automatic Controls	Floor On	
3.C.1.002	PHSC	PHS Room	1	PHS Room	30	18	Adaptive Space Transfer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	43	200	n/a	None	A	80	Automatic Controls	Floor On
3.C.1.003		Ward Managers Office	1	Consult - Ward Offices	29	18	Radiant Panels	Remote Control	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	6	0	Positive	7.7	43	41	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C.1.004		Single isolated Bedroom (PHSC)	1	Isolated Bedroom	29	23	Adaptive Space Transfer Air	None	Yes	Lowest Limited Fresh Air	Supply no return	10	10	Balance	7.7	43	41	430	5	300	A	80	Switch	Bed - Endless 1.45m
3.C.1.005		En suite facility shower	1	Bathroom	29	23	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On

Room No.	Department	Room Name	City	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (approx)	Cooling System	Ventilation Type	Supply (cfm)	Extract (cfm)	Relative Humidity	Min. filtration	Surface Temp	Water Temp	Recessed lum.	Height lum.	Local lum.	Stability grade	Control	Control	Plane
3.C11.006	Medical Inpatients - 22 Beds	Isolation Bedroom - Entrance Lobby	1	Isolation Lobby	26	21	Warm Air - Radiant Ceiling	Local - BMS Adjustable	Yes	Comfort Control Fresh Air	Central Supply	18	0	Positive	H14	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.007		Hand Bay	1	Cleanroom Equipment Storage Bay	21	15	Adaptive Space Transfer Air	None	No	None	None	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.008		Single Room Lounge	1	Common room staff room lounge	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply and Extract	6	0	Negative	F7	43	41	300	4.4	None	A	80	Switch Damper	Floor Dr
3.C11.009		Single Bedroom (RSGC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural & Central Supply Air	4	no extract	Balance	F7	43	41	150	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.010		En suite shower room	1	Bathroom	23	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	maximum 10	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.011		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply and Extract	1 person at 10 l/s per person - 10 l/s	0	Positive	F7	43	41	250/300	4.4	1000	A	80	Switch Damper	General working plane 1m
3.C11.012		Reception Trolley Bay	1	Reception Trolley Bay	23	18	Adaptive Space Transfer Air	None	No	None	None	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.013		Single Bedroom (RSGC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural & Central Supply Air	4	no extract	Balance	F7	43	41	150	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.014		En suite shower room	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	maximum 10	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.015		Single Bedroom (RSGC)	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural & Central Supply Air	4	no extract	Balance	F7	43	41	150	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.016		En suite shower room	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	maximum 10	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.017		OSP	1	OSP	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.018		3 Bed Room	1	Multi bed Ward	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural and Central Supply Air	4	no extract	positive to outside	F7	43	41	100	5	800	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.019		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.020		WC Accessible	1	Toilet	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.021		Dining / Play Room	1	Eating/Dining	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply and Extract	4 people at 10 l/s per person - 40 l/s	4 people at 10 l/s per person - 40 l/s	Balance	F7	43	41	300	4.4	None	A	80	Switch Damper	Floor Dr
3.C11.022		Store - Equipment	1	Storage Area Equipment	26	18	Radiant Panels	Remote Sensor Adj	Yes	None	Central General Extract	0	0	0	0	4.0	4.0	250	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.023		Ward Kitchen	1	Ward Kitchen	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Extractor Chilled Water	Central General Extract	0	0	0	0	4.0	4.0	50	4.4	None	A	80	Switch Damper	General working plane 1m
3.C11.024		Linen Bay (1 Entry)	1	Linen Bay	26	18	Adaptive Space Transfer Air	None	No	None	None	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.025		Store - General	1	Storage Area Equipment	26	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.026		WC Staff	1	Toilet	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.027		WC Staff	1	Toilet	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.028		Disposal Hall	1	Disposal Hall	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.029		Ward - 3 Bay Unfurnished Bay	1	Cleanroom Equipment Storage Bay	26	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	0	0	4.0	4.0	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.030		Multi occupancy Office	1	Multi Occupancy Work Areas	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	400	4.4	None	A	80	Switch Damper	Desk @ 75 to 80m
3.C11.031		Reception - Staff Room	1	Reception	26	18	Radiant Panels	Remote Sensor Adj	Yes	Self Managed Fresh Air	Central Supply Air	1 person at 10 l/s per person - 10 l/s	0	Positive	F7	43	41	400	4.4	None	A	80	Switch Damper	Desk @ 75 to 80m
3.C11.032		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	23	21	Warm Air - Radiant Ceiling	Local - BMS Adjustable	Yes	Comfort Control Fresh Air	Central Supply	18	0	Positive	H14	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.033		Single Isolation Bedroom	1	Isolation Bedroom	26	21	Adaptive Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Control Fresh Air	Supply via lobby	10	10 via the organ	Balance	H14	43	41	100	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.034		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	26	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	42	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.035		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	23	21	Warm Air - Radiant Ceiling	Local - BMS Adjustable	Yes	Comfort Control Fresh Air	Central Supply	18	0	Positive	H14	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.036		Single Isolation Bedroom	1	Isolation Bedroom	26	21	Adaptive Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Control Fresh Air	Supply via lobby	10	10 via the organ	Balance	H14	43	41	100	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.037		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	26	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	42	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.038		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj	No	None	Central Supply and Extract	1 person at 10 l/s per person - 10 l/s	1 person at 10 l/s per person - 10 l/s	Balance	F7	43	41	250/300	4.4	1000	A	80	Switch Damper	General working plane 1m
3.C11.039		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	23	21	Warm Air - Radiant Ceiling	Local - BMS Adjustable	Yes	Comfort Control Fresh Air	Central Supply	18	0	Positive	H14	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.040		Single Isolation Bedroom	1	Isolation Bedroom	26	21	Adaptive Space Transfer Air	BMS Adjustable Sensor	Yes	Comfort Control Fresh Air	Supply via lobby	10	10 via the organ	Balance	H14	43	41	100	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.041		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	26	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	42	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.042		Clean Utility	1	Clean Utility	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	4.4	None	A	80	Auto set Controls	General working plane 1m
3.C11.043		Treatment Room	1	Treatment Room	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	300	4.4	1000	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.044		Dry Utility	1	Dry Utility	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.045		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply Air	1 person at 10 l/s per person - 10 l/s	0	Positive	F7	43	41	250/300	4.4	1000	A	80	Switch Damper	General working plane 1m
3.C11.046		3 Bed Room	1	Multi bed Ward	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural and Central Supply Air	4	no extract	positive to outside	F7	43	41	100	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.047		WC Accessible	1	Toilet	26	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.048		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.049		Patients Access Reception	1	Bathroom	26	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.050		Reception Interview Room	1	Interview Room	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Extractor Chilled Water	Central Supply and Extract	4 people at 10 l/s per person - 40 l/s	4 people at 10 l/s per person - 40 l/s	Balance	F7	43	41	300	4.4	None	A	80	Switch Damper	Desk @ 75 to 80m
3.C11.051		Touchdown Base	1	Staff base	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Central Supply and Extract	9	0	0	0	4.0	4.0	250/300	4.4	1000	A	80	Switch Damper	General working plane 1m
3.C11.052		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural & Central Supply Air	4	no extract	Balance	F7	43	41	150	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.053		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	maximum 10	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.054		Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural & Central Supply Air	4	no extract	Balance	F7	43	41	150	5	300	A	80	Switch Damper	Bed Tray / 4.5m
3.C11.055		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	maximum 10	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr
3.C11.056	Single Bedroom	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Comfort Control Fresh Air	Natural & Central Supply Air	4	no extract	Balance	F7	43	41	150	5	300	A	80	Switch Damper	Bed Tray / 4.5m	
3.C11.057	En suite wheelchair accessible WC, Shower & wash	1	Bathroom	23	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	maximum 10	Negative	None	43	41	200	4.4	None	A	80	Auto set Controls	Floor Dr	

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Control (manual)	Cooling Type	Installation Type	Supply (lit/s)	Extract (lit/s)	Relative Humidity	Min. Humidity	Surface Temp	Water Temp	Max. Humidity	Height (m)	Local Air	Soundly grade	Control	Flow	
3.C1.1.054		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	General Supply and Extract	0	0	60	None	20	20	50	2.0	300	A	Switch	Bed Trayley 1.45m	
3.C1.1.054		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	General Dry Extract	0	17	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.060		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.1.060		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	17	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.062		Touchdown Base	1	staff base	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	None	0	0	n.a	n.a	48	n.a	270/300	n.a	1000	A	90	Switch	General working plane 1m
3.C1.1.063		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.1.064		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	maximum 15	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.065		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.1.066		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	maximum 10	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.067		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.1.068		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	maximum 17	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.073		WC Vents	1	Toile	20	18	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	10	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.071		Combiner	11	Combiner	20	18	Radiant Panels	Remote Sensor As	No	None	None	0	0	n.a	None	45	43	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.071		Combiner	11	Combiner	20	18	Radiant Panels	Remote Sensor As	No	None	None	0	0	n.a	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.071		Combiner	11	Combiner	20	18	Radiant Panels	Remote Sensor As	No	None	None	0	0	n.a	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.1.072		Switch Outboard	11	Switch Outboard	Not Controlled	Not Controlled	None	None	None	None	0	0	0	n.a	None	n.a	n.a	100	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.002		Single Bedroom - BHSC	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	370	A	90	Switch	Bed Trayley 1.45m
3.C1.2.002		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	maximum 12	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.004		Linon Bay (1 Toilet)	1	Linon Bay	20	16	Adjustable Splice Transfer Air	None	No	None	None	0	0	n.a	None	48	n.a	150 x 150	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.005		Single Bedroom - BHSC	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.006		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	maximum 10	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.007		Single Bedroom - BHSC	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.008		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	maximum 12	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.009		Touchdown Base	1	staff base	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	General Supply and Extract	0	0	n.a	n.a	48	n.a	270/300	n.a	1000	A	90	Switch	General working plane 1m
3.C1.2.010		Single Bedroom - BHSC	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.011		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	maximum 15	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.012		Dry Units	1	Dry utility	20	18	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	0	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.013		CSR	1	CSR	20	18	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	0	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.014		Single Bedroom - BHSC	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.015		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	maximum 10	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.016		Linon Bay	1	Linon Bay	20	16	Adjustable Splice Transfer Air	None	No	None	None	0	0	n.a	None	48	n.a	150	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.017		Painting - Assisted Bathroom	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	0	None	None	43	41	250	n.a	None	A	90	Switch	Floor Dr
3.C1.2.018		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.018		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	maximum 12	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.020		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural & Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.021		En suite wheelchair accessible WC Shower & wash	1	Bathroom	26	22	Adjustable Splice Transfer Air	None	No	None	Central Dry Extract	0	maximum 10	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.022		Touchdown Base	1	staff base	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	None	0	0	n.a	n.a	48	n.a	270/300	n.a	1000	A	90	Switch	General working plane 1m
3.C1.2.023		4 Bed Room	1	Multibed Ward	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural and Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.024		WC Accessible	1	Toile	20	18	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	0	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.025		WC	1	Bathroom	20	20	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	17	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.026		4 Bed Room	1	Multibed Ward	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Natural and Central Supply Air	0	no include	None	None	20	20	50	2.0	300	A	90	Switch	Bed Trayley 1.45m
3.C1.2.027		WC Accessible	2	Toile	20	18	Radiant Panels	Remote Sensor As	No	None	Central Dry Extract	0	10	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.028		Ward Management Office	1	Callister Ward Offices	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central Supply and Extract	0	0	None	None	20	20	400	n.a	None	A	90	Switch	Desk 0.75m x 0.95m
3.C1.2.029		Resuscitation Trolley Bay	1	Resuscitation Trolley Bay	20	16	Adjustable Splice Transfer Air	None	No	None	Central General Extract	0	0	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.030		Store - Equipment	1	Storage Area Equipment	20	18	Adjustable Splice Transfer Air	None	No	None	Central General Extract	0	0	None	None	43	41	250	n.a	None	A	90	Automatic Controls	Floor Dr
3.C1.2.031		Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central Supply Air	0	0	None	None	20	20	50	2.0	None	A	90	Automatic Controls	General working plane 1m
3.C1.2.032		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central Supply Air	10	0	None	None	20	20	500	n.a	1000	A	90	Switch	Bed Trayley 1.45m
3.C1.2.033		Evening Play Room	1	Evening Dining	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central Supply and Extract	5 people at 1.1 lit/s per person	5 people at 1.1 lit/s per person	None	None	20	20	300	n.a	None	A	90	Switch	Floor Dr
3.C1.2.034		Wardroom	1	Ward Room	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central General Extract	0	0	None	None	20	20	500	n.a	None	A	90	Switch	General working plane 1m
3.C1.2.035		Parent Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central Supply and Extract	5 people at 1.1 lit/s per person	5 people at 1.1 lit/s per person	None	None	20	20	300	n.a	None	A	90	Switch	Desk 0.75m x 0.95m
3.C1.2.036		Reception - Staff Box	1	Reception	20	18	Adjustable Splice Transfer Air	None	No	None	Central Supply Air	0	0	None	None	20	20	300	n.a	None	A	90	Switch	Desk 0.75m x 0.95m
3.C1.2.037		Discharge Lounge	1	Discharge Area	20	18	Radiant Panels	Remote Sensor As	Yes	Underfloor Electric As	Central Supply and Extract	0	0	None	None	20	20	300	n.a	None	A	90	Switch	Floor Dr

Room No.	Department	Room Name	Qty	Room Function	Temp (req'd)	Temp (act)	Heating Type	Heating Control	Cooling (req'd)	Cooling (type)	Ventilation (type)	Supply (req'd)	Extract (req'd)	Relative humidity	Min. Stratification	Surface Temp	Water Temp	Humid. Act	Height (ft)	Least (ft)	Stairway grade	Control	Control	Phone		
3C12038	Neuroscience equipment - 12 Bays	Disposal Hold	1	Disposal Hold	25	16	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.2	None	A	80	Automatic Controls	Floor Dr		
3C12039		Store - General	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12040		WC Staff	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12041		WC Visitors	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12042		Touchdown Bench	1	Staff bench	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	0	0	None	116	43	41	200	11.4	100%	A	80	Automatic Controls	Diagonal working plane 10'		
3C12043		MRB Diagnostic Office	3	MRB Diagnostic Work Areas	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Central Supply and Extract	4	0	Positive	FF	43	41	450	11.0	None	A	80	Switch	Diagonal working plane 10'	
3C12044		WC Staff	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12045		Control	1	Control	25	18	Radfan Panels	Remote Service Air	Yes	None	None	None	0	0	None	None	43	41	380	11.5	None	A	80	Automatic Controls	Floor Dr	
3C12046		Control	1	Control	25	18	Radfan Panels	Remote Service Air	Yes	None	None	None	0	0	None	None	43	41	200	11.4	None	A	80	Automatic Controls	Floor Dr	
3C12048		Switch Outboard	1	Switch Outboard	Not Controlled	Not Controlled	None	None	None	None	None	0	0	0%	None	112	108	160	11.5	None	A	80	Automatic Controls	Floor Dr		
3C12052		Waiting Area	1	Waiting Room	25	18	Radfan Panels	Remote Service Air	Yes	Living Variable Exhaust	None	Central Supply and Extract	5	0	Balanced	FF	43	41	300	11.3	None	A	80	Switch	Floor Dr	
3C12053		Reception Staff Base	1	Reception	25	18	Radfan Panels	Remote Service Air	Yes	Wall Mounted Unit	None	Central Supply Air	0	0	Positive	FF	43	41	300	11.8	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3C12054		WC Accessible	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12055		Store - Equipment	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr	
3C12056		Touchdown Bench	1	Staff bench	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	Central Supply Air	1 person at 10 l/s per person (1.2m/s)	0	0	Positive	FF	43	41	200	11.0	100%	A	80	Switch	Diagonal working plane 10'
3C12057		Initiator Bedroom Entrance Lobby	1	Nursery Lobby	25	21	Heating Air - Remote Radfan	Local Air - Radfan	Yes	Controlled Exhaust	None	Central Supply	0.4	0	Positive	FF	43	41	200	11.4	None	A	80	Automatic Controls	Floor Dr	
3C12058		Single Bedroom (R/DSC)	1	Bedroom	25	21	Adjacent Space Transfer Air	None	No	None	None	Supply via lobby	0	0	0% via the outside	Balanced	11.4	43	41	100	5	300	A	80	Switch	Bed - Trailing 1.45m
3C12059		En suite wheelchair accessible WC, Shower & wash tub	1	Bathroom	25	21	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	None	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr	
3C12060		En suite	1	Bathroom	25	21	Radfan Panels	Remote Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	11.4	None	A	80	Automatic Controls	Floor Dr	
3C12061		4 Bed Room	1	MU bed Ward	25	18	Radfan Panels	Remote Service Air	Yes	Living Variable Exhaust	None	Natural and Central Supply Air	4	0	0% outside	Exhaust to outside	FF	43	41	320	5	300	A	80	Switch	Bed - Trailing 1.45m
3C12062	Wardroom	1	Bathroom	25	21	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12063	4 Bed Room	1	MU bed Ward	25	18	Radfan Panels	Remote Service Air	Yes	Living Variable Exhaust	None	Natural and Central Supply Air	4	0	0% outside	Exhaust to outside	FF	43	41	320	5	300	A	80	Switch	Bed - Trailing 1.45m	
3C12064	En suite	1	Bathroom	25	21	Radfan Panels	Remote Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12065	Reception Trolley Bay	1	Reception Trolley Bay	25	18	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12066	En suite	1	Wash Bay	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Extract	0	0	Negative	None	44	41	100 (10.5)	11.5	None	A	80	Automatic Controls	Floor Dr		
3C12067	Store - General	1	Storage Area Equipment	25	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12068	MU (p) Entry Office	1	MU (p) Entry Work Areas	25	18	Radfan Panels	Remote Service Air	Yes	Living Variable Exhaust	None	Central Supply and Extract	4	0	0	Positive	FF	43	41	320	11.3	None	A	80	Switch	Desk 0.75 to 0.85m	
3C12069	Private Interview Room	1	Waiting Room	25	18	Radfan Panels	Remote Service Air	Yes	Living Variable Exhaust	None	Central Supply and Extract	4 people at 10 l/s per person (1.2m/s)	4 people at 10 l/s per person (1.2m/s)	Balanced	FF	43	41	300	11.4	None	A	80	Automatic Controls	Desk 0.75 to 0.85m		
3C12070	Ward Management Office	1	Callable Ward Offices	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Central Supply and Extract	4	0	Positive	FF	43	41	450	11.4	None	A	80	Switch	Desk 0.75 to 0.85m		
3C12071	WC Staff	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12072	WC Staff	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12073	WC Visitors	1	Toilet	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12074	Seclusion Room	1	Computing Room	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Central Supply and Extract	3	0	Balanced	FF	43	41	300	11.2	100%	A	80	Switch	Bed - Trailing 1.45m		
3C12075	Reception Room	1	Computing Room	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	Central Supply and Extract	3	0	Balanced	FF	43	41	300	11.4	100%	A	80	Switch	Bed - Trailing 1.45m		
3C12076	Head Ray	1	Equipment Storage Bays	25	16	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12077	Touchdown Bench	1	Staff bench	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	Central Supply Air	1 person at 10 l/s per person (1.2m/s)	0	0	Positive	FF	43	41	200	11.4	100%	A	80	Switch	Desk 0.75 to 0.85m	
3C12078	Single Bedroom (R/DSC)	1	Bedroom	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Natural & Central Supply Air	4	0	0% outside	Balanced	FF	43	41	600	5	300	A	80	Switch	Bed - Trailing 1.45m	
3C12079	En suite wheelchair accessible WC, Shower & wash tub	1	Bathroom	25	21	Radfan Panels	Remote Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12080	Single Bedroom (R/DSC)	1	Bedroom	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	Natural & Central Supply Air	4	0	0% outside	Balanced	FF	43	41	600	5	300	A	80	Switch	Bed - Trailing 1.45m	
3C12081	En suite wheelchair accessible WC, Shower & wash tub	1	Bathroom	25	21	Radfan Panels	Remote Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12082	Single Bedroom (R/DSC)	1	Bedroom	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Natural & Central Supply Air	4	0	0% outside	Balanced	FF	43	41	600	5	300	A	80	Switch	Bed - Trailing 1.45m	
3C12083	En suite wheelchair accessible WC, Shower & wash tub	1	Bathroom	25	21	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12084	Ward Machine	1	Ward Machine	25	18	Radfan Panels	Remote Service Air	Yes	None	None	Central General Extract	0	0	Negative	None	42	40	200	11.3	None	A	80	Switch	Diagonal working plane 10'		
3C12085	Patients Assisted Bathroom	1	Bathroom	25	21	Radfan Panels	Remote Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	11.4	None	A	80	Switch	Floor Dr		
3C12086	Dirty Utility	1	Dirty Utility	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12087	Equipment Room	1	Technical Room	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	Central Supply Air	10	0	Positive	FF	43	41	550	11.4	100%	A	80	Switch	Bed - Trailing 1.45m		
3C12088	Clean Utility	1	Clean Utility	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Central Supply Air	0	0	Positive	FF	43	41	150	11.4	None	A	80	Automatic Controls	General working plane 10'		
3C12089	Dining / Play Room	1	Eating Dining	25	18	Radfan Panels	Remote Service Air	Yes	Controlled Exhaust	None	Central Supply and Extract	8 people at 10 l/s per person (1.2m/s)	4 people at 10 l/s per person (1.2m/s)	Balanced	FF	43	41	300	11.4	None	A	80	Switch	Floor Dr		
3C12090	DSR	1	DSR	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	40	100	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12091	Disposal Hold	1	Disposal Hold	25	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	44	41	200	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12092	Control	1	Control	25	18	Radfan Panels	Remote Service Air	Yes	None	None	None	0	0	None	None	43	41	300	11.4	None	A	80	Automatic Controls	Floor Dr		
3C12093	Diagn Study Room	1	Callable Ward Offices	25	18	Radfan Panels	Remote Service Air	Yes	Variable Exhaust	None	Central Supply and Extract	4	0	Positive	FF	43	41	400	11.4	None	A	80	Switch	Desk 0.75 to 0.85m		

Room No.	Department	Room Name	Qty	Room Function	Temp (req'd)	Temp (act)	Heating Type	Heating Control	Ceiling (panels)	Ceiling (type)	Ventilation (type)	Supply (cfm)	Extract (cfm)	Relative pressure	DB (dBA)	Surface Temp	Water Temp	Relative Hum	Light Lux	Local Air	Standby grade	Control	Control	Flow	
3.C1.4.004	Hematology Oncology Registrar & Clericals - 17 Beds & 5 Chairs	Therapist Hub	1	Therapist Hub	25	18	Adaptive Space Transfer Air	None	No	None	General Duty Extract	0	0	Negative	None	66	64	250	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.005		DSR	1	DSR	24	18	Adaptive Space Transfer Air	None	No	None	General Duty Extract	0	0	Negative	None	66	60	100	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.006		Store - General	1	Storage Area Equipment	26	18	Adaptive Space Transfer Air	None	No	None	General Duty Extract	0	0	Negative	None	66	64	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.007		Placed Interview Room	1	Interview Room	25	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	8 people at 10 cfm per person (80)	8 people at 10 cfm per person (80)	Positive	87	43	n.a	300	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.008		Complementary Therapy Room	1	Consulting Room	23	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	3	3	Positive	87	43	61	300	n.a	1000	A	80	Switch	Bed Tray 1.45m
3.C1.4.009		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.010		Single Bedroom (RHSC)	1	Bedroom	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m
3.C1.4.011		Patients Accessory Bathroom	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Switch	Floor Dr
3.C1.4.012		Touchdown Base	1	Staff base	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	1 person at 10 cfm per person (10)	1 person at 10 cfm per person (10)	Balanced	87	43	n.a	200-300	n.a	1000	A	80	Switch Damper	Desk 0.75 to 0.85m
3.C1.4.013		Single Bedroom (RHSC)	1	Bedroom	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m
3.C1.4.014		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.015		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.016		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.017		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.018		Single Bedroom (RHSC)	1	Bedroom	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m
3.C1.4.019		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	10	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.020		Hub Bay	1	Cyclotron Equipment Storage Bays	26	16	Adaptive Space Transfer Air	None	No	None	None	None	0	0	n.a	None	66	64	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.021		Dirty Utility	1	Dirty Utility	29	18	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	64	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.022		Pharmacy Base	1	Pharmacy Base	25	18	Radant Panels	Remote Sensor Air	Yes	Wall Mounted Leds	Yes	General Supply and Extract	3	3	Balanced	87	43	41	300	n.a	1000	A	80	Switch	Bed Tray 1.45m
3.C1.4.024		Nuk Diagnostic Office	1	Nuk Diagnostic Work Areas	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	3	3	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.025		Medical Staff Office	1	Cellular Ward Offices	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	3	3	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.026		Consultant Office (3 person)	1	Cellular Ward Office	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	4	4	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.027		Store - Equipment	1	Storage Area Equipment	29	18	Adaptive Space Transfer Air	None	No	None	None	Central Extract	0	0	Negative	None	66	64	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.028		Research Staff Office	1	Cellular Ward Office	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	4	4	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.029		Nursing Staff Office	1	Cellular Ward Offices	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	4	4	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.030		Ward Management Office	1	Cellular Ward Offices	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	4	4	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
3.C1.4.032		Single Bedroom (RHSC)	1	Bedroom	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	100	5	300	A	80	Switch Damper	Bed Tray 1.45m
3.C1.4.033		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.034		Touchdown Base	1	Staff base	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	1 person at 10 cfm per person (10)	0	Positive	87	43	n.a	200-300	n.a	1000	A	80	Switch Damper	Desk 0.75 to 0.85m
3.C1.4.035		Lean Bay (1 Patient)	1	Lean Bay	28	18	Adaptive Space Transfer Air	None	No	None	None	None	0	0	n.a	None	66	64	100-150	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.036		WC - Staff	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.037		WC - Staff	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.038		Therapist - Clean Utility	1	Therapist Room	25	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply Air	10	0	Positive	87	43	41	500	n.a	1000	A	80	Switch	Bed Tray 1.45m
3.C1.4.039		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Central Supply	61	0	Positive	H18	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.040		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Supply via lobby	10	10 via the include	Balanced	H18	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m
3.C1.4.041		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.042		En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.043		Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Supply via lobby	10	10 via the include	Balanced	H18	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m
3.C1.4.044		Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Central Supply	61	0	Positive	H18	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr
3.C1.4.045		Touchdown Base	1	Staff base	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	General Supply and Extract	1 person at 10 cfm per person (10)	0	Positive	87	43	n.a	200-300	n.a	1000	A	80	Switch Damper	Desk 0.75 to 0.85m
3.C1.4.046	Single Bedroom	1	Bedroom	29	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m	
3.C1.4.047	En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Radant Panels	Remote Sensor Air	No	None	None	General Duty Extract	0	maximum 10	Negative	None	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.048	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Central Supply	61	0	Positive	H18	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.049	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Supply via lobby	10	10 via the include	Balanced	H18	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m	
3.C1.4.050	En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.051	En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	0	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.052	Single Isolation Bedroom (RHSC)	1	Isolation Bedroom	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Supply via lobby	10	10 via the include	Balanced	H18	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m	
3.C1.4.053	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	28	21	Warm Air Heated Bottom	Local BMS Admittance	Yes	Light Controlled Fresh Air	Yes	Central Supply	61	0	Positive	H18	43	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.054	Reception Trolley Bay	1	Cyclotron Equipment Storage Bays	26	16	Adaptive Space Transfer Air	None	No	None	None	None	0	0	n.a	None	66	64	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.055	Single Bedroom (RHSC)	1	Bedroom	28	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m	
3.C1.4.056	En suite wheelchair accessible WC Shower & toilet	1	Bathroom	29	20	Adaptive Space Transfer Air	None	No	None	None	General Duty Extract	0	maximum 10	Negative	None	66	41	200	n.a	None	A	80	Alarm etc Controls	Floor Dr	
3.C1.4.057	Single Bedroom	1	Bedroom	29	18	Radant Panels	Remote Sensor Air	Yes	Light Controlled Fresh Air	Yes	Natural & Central Supply Air	4	no include	Balanced	87	43	41	900	5	300	A	80	Switch Damper	Bed Tray 1.45m	

Room No.	Department	Room Name	City	Room Function	Temp (req'd)	Temp (act)	Humidity Type	Pressure Control	Cooling (req'd)	Cooling (type)	Exhaustion (type)	Supply (act)	Exhaust (act)	Relative humidity	Min. Airflow	Surface Temp	Water Temp	Humid. (act)	Height (ft)	Level (ft)	Stability (grade)	Control System	Control	Phone		
3.C1.4.054	General	En suite wheelchair accessible WC, Shower & wash	1	Bathroom	26	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.055		Single Bed Room	1	Bedroom	27	18	Relative Humidity	Positive	None	None	Natural & Central Supply Air	0	no intake	Balanced	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.060		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	20	Relative Humidity	None	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.061		Multi Bed Room (4x2 beds 1.1m)	1	Multi bed rooms	29	18	Relative Humidity	Positive	None	None	Natural and Central Supply Air	0	no intake	positive to outside	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.062		En Suite Multi Bed Room	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.063		File Room	1	Common room staff room lounge	28	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Negative	F7	43	41	300	1.8	None	A	80	Switch	Floor Dr	
3.C1.4.064		Ward 1 A&H	1	Ward	29	18	Relative Humidity	Positive	None	None	Central General Exhaust	0	0	0	Negative	None	43	40	300	1.8	None	A	80	Switch	General working plane 1m	
3.C1.4.065		Treatment Room	1	Treatment Room	25	18	Relative Humidity	Positive	None	None	Central Supply Air	0	0	0	Positive	F7	43	41	300	1.8	1000	A	80	Switch	Bed Tray 1.45m	
3.C1.4.066		Clinic Utility	1	Clinic Utility	29	18	Relative Humidity	Positive	None	None	Central Supply Air	0	0	0	Positive	F7	43	41	150	1.8	None	A	80	Automatic Controls	General working plane 1m	
3.C1.4.067		ITC Visitors	1	Telex	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	0	0	Negative	None	43	41	300	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.068		Waiting Area	1	Waiting Room	29	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	5	0	Balanced	F7	43	41	300	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.069		Reception Staff Base	1	Reception	29	18	Relative Humidity	None	None	None	Central Supply and Exhaust	0	0	0	Balanced	F7	43	41	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
3.C1.4.070		Reception Bedroom 1 Entrance Lobby	1	Reception Lobby	29	21	Relative Humidity	None	None	None	Central Supply	0	0	0	Positive	F7	43	41	300	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.071		Single Bed Room 3 (RHSC)	1	Bedroom	29	21	Relative Humidity	None	None	None	Central Supply	0	10	10	Balanced	F7	43	41	110	5	300	A	80	Automatic Controls	Bed Tray 1.45m	
3.C1.4.072		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.073		Single Bed Room (RHSC)	1	Bedroom	29	18	Relative Humidity	Positive	None	None	Natural & Central Supply Air	0	no intake	Balanced	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.074		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.075		Single Bed Room (RHSC)	1	Bedroom	29	18	Relative Humidity	Positive	None	None	Natural & Central Supply Air	0	no intake	Balanced	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.076		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.077		Single Bed Room (RHSC)	1	Bedroom	29	18	Relative Humidity	Positive	None	None	Natural & Central Supply Air	0	no intake	Balanced	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.078		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.079		Single Bed Room (RHSC)	1	Bedroom	29	18	Relative Humidity	Positive	None	None	Natural & Central Supply Air	0	no intake	Balanced	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.080		En suite wheelchair accessible WC, Shower & wash	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	minimum 10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.4.081		Reception (RH)	1	Reception	29	18	Relative Humidity	None	None	None	Central Supply and Exhaust	0	0	0	Positive	F7	43	41	300	1.8	1000	A	80	Automatic Controls	Desk 0.75 to 0.85m	
3.C1.4.082		Dirty Utility	1	Dirty Utility	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	0	0	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.083		Multi Bed Day Room (4x2 beds)	1	Multi bed rooms	29	18	Relative Humidity	Positive	None	None	Natural and Central Supply Air	0	no intake	positive to outside	F7	43	41	100	5	300	A	80	SWCH Damper	Bed Tray 1.45m		
3.C1.4.084		En Suite Multi Bed Room	1	Bathroom	29	20	Relative Humidity	Positive	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.085		Equipment Bay	1	Storage Area Equipment	29	18	Relative Humidity	None	None	None	Central General Exhaust	0	0	0	Negative	None	43	41	300	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.086		Consult Examination	1	Consulting Room	25	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Balanced	F7	43	41	300	1.8	1000	A	80	Switch	Bed Tray 1.45m	
3.C1.4.087		Beverage Bay	1	Tea Making	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	100	5	300	A	80	Switch	Floor Dr	
3.C1.4.088		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.089		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.090		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.091		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.092		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.093		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.094		Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.4.095		Switch Cupboard	1	Switch Cupboard	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.5.001		Med Surg Nurse Home Shared Bay	Stone back up clothing	1	Storage Area Equipment	26	18	Relative Humidity	None	None	None	Central General Exhaust	0	0	0	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr
3.C1.5.002			Family Sitting Room	1	Common room staff room lounge	26	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Negative	F7	43	41	300	1.8	None	A	80	Switch	Floor Dr
3.C1.5.003			Baby Inlet - Feeding Room	1	Baby Feeding	26	18	Relative Humidity	Positive	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	100	1.8	None	A	80	Switch	Floor Dr
3.C1.5.004			Nappy Change	1	Nappy Change	29	18	Relative Humidity	Positive	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	100	1.8	None	A	80	Automatic Controls	Floor Dr
3.C1.5.005			Breast Pump Room	1	Baby Feeding	29	18	Relative Humidity	Positive	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	100	1.8	None	A	80	Switch	Floor Dr
3.C1.5.006			W.C. Wheelchair Accessible	1	W.C.	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr
3.C1.5.007			W.C. Wheelchair Accessible	1	W.C.	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr
3.C1.5.008	W.C. Wheelchair Accessible		1	W.C.	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	10	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.5.009	Corridor		1	Corridor	29	18	Relative Humidity	None	None	None	Central Supply Air	0	10	10	Positive	F7	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.5.010	Corridor		1	Corridor	29	18	Relative Humidity	None	None	None	Central Supply and Exhaust	0	0	0	Positive	F7	43	41	300	1.8	None	A	80	Switch	Floor Dr	
3.C1.7.001	Paediatric Neurophysiology	EEG Review Room	1	Lab/Office	26	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Positive	F7	43	41	400	1.1	None	A	80	Switch	Desk 0.75 to 0.85m	
3.C1.7.002		EEG Recording Room	1	Diagnostic room	26	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Balanced	F7	43	41	300	1.8	1000	A	80	Switch Damper	General working plane 1m	
3.C1.7.003		EEG Recording Room	1	Diagnostic room	26	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Balanced	F7	43	41	300	1.8	1000	A	80	Switch Damper	General working plane 1m	
3.C1.7.004		EEG Recording Room	1	Diagnostic room	26	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Balanced	F7	43	41	300	1.8	1000	A	80	Switch Damper	General working plane 1m	
3.C1.7.005	EEG Recording Room	1	Diagnostic room	26	18	Relative Humidity	Positive	None	None	Central Supply and Exhaust	0	0	0	Balanced	F7	43	41	300	1.8	1000	A	80	Switch Damper	General working plane 1m		
3.C1.7.006	Corridor	1	Corridor	29	18	Relative Humidity	None	None	None	None	None	0	0	0	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr		
3.C1.8.001	General	Reception (RH)	1	Reception	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	0	0	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	
3.C1.8.002		Dirty Utility	1	Dirty Utility	29	18	Relative Humidity	None	None	None	Central Dry Extract	0	0	0	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Dr	

Room No	Department	Room Name	Qty	Room Function	Temp (setpt)	Temp (room)	Heating Type	Heating Control	Control (switch)	Control (panel)	Ventilation Type	Supply (liters)	Extract (liters)	Relative Humidity	Min. Humidity	Surface Temp	Water Temp	Max. Humidity	Height (m)	Local Box	Security grade	Colour render	Control	Flare		
3.C1.8.005	C1.8	Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	6	no intake	Relative	5%	43	41	575	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.006		En suite shower, WC, toilet & linen	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	maximum 10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.007		Staff WC	1	Toilet	20	18	Radiant Panels	None	No	None	Central Dry Extract	0	10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.008		WC, Linen	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.009		Dining / Prep Room	1	Eating/Dining	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply and Extract	3 (range 0-11) 1.5 per person (24hr)	3 (range 0-11) 1.5 per person (24hr)	Relative	5%	43	41	300	n.a	None	A	BC	Switch	Flare On		
3.C1.8.010		Ward Kitchen	1	Ward Kitchen	20	18	Radiant Panels	Remote Sensor Act	No	None	Central General Extract	0	6	Relative	None	43	40	500	n.a	None	A	BC	Switch	General working plane 1m		
3.C1.8.011		Reception Desk Staff Base	1	Reception	20	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply Air	3	0	Relative	5%	43	n.a	300	n.a	None	A	BC	Switch	Desk 0.75 to 0.85m		
3.C1.8.012		OSR	1	OSR	20	19	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	6	Relative	None	n.a	n.a	300	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.013		Store - General	1	Storage Area/Equipment	20	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	3	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.014		Clean Linen	1	Clean Linen	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply Air	6	0	Relative	5%	43	41	150	n.a	None	A	BC	Auto On/Off	General working plane 1m		
3.C1.8.015		Treatment Room	1	Treatment Room	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply Air	10	0	Relative	5%	43	40	500	n.a	1200	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.016		4 Bed Room	1	Multiple Beds	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural and Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.017		En suite Shower, WC, WHB	1	Bathroom	20	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.018		WC, Wheelchair Accessible	1	Toilet	20	18	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.019		Touchdown Base	1	Staff base	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	None	0	0	n.a	n.a	n.a	n.a	200-300	n.a	1000	A	BC	Switch	Desk 0.75 to 0.85m		
3.C1.8.020		Reception/Trolley Bay	1	Construction Equipment Storage Bay	20	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n.a	n.a	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.021		Single Bedroom (RHSC)	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.022		En suite Shower (WC, WHB)	1	Bathroom	20	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	maximum 10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.023		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.024		En suite Shower (WC, WHB)	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	maximum 10	Relative	None	43	40	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.025		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.026		En suite Shower (WC, WHB)	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	maximum 10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.027		4 Bed Room	1	Multiple Beds	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural and Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.028		WC Wheelchair Accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.029		En suite Shower (WC, WHB)	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	maximum 10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.030		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.031		En suite Shower (WC, WHB)	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	maximum 10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.032		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m		
3.C1.8.033		En suite shower accessible WC, Shower & linen	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	maximum 10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.034		Linon Bay (1 Traylay)	1	Linon Bay	20	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n.a	n.a	n.a	n.a	100-150	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.035		Parents' Accident Bathroom	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	10	Relative	None	43	40	200	n.a	None	A	BC	Switch	Flare On		
3.C1.8.036		Store - Equipment	1	Storage Area/Equipment	20	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	3	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.037		Ward Management Office	1	Cellular Ward Office	20	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Extract	4	3	Relative	5%	43	n.a	400	n.a	None	A	BC	Switch	Desk 0.75 to 0.85m		
3.C1.8.040		Touchdown Base	1	Staff base	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply and Extract	6	0	n.a	n.a	43	n.a	200-300	n.a	1000	A	BC	Switch	Desk 0.75 to 0.85m		
3.C1.8.041		Linon	1	Linon	20	18	Radiant Panels	Remote Sensor Act	No	None	None	0	0	n.a	n.a	43	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.042		Linon	1	Linon	20	18	Radiant Panels	Remote Sensor Act	No	None	None	0	0	n.a	n.a	43	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On		
3.C1.8.043		Switch Locations	1	Switch Cupboards	Not Completed	Not Completed	None	None	No	None	None	0	0	n.a	n.a	n.a	n.a	100	n.a	None	A	BC	Auto On/Off	Flare On		
3.C2.003		C2	OSR	1	OSR	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Relative	None	n.a	n.a	100	n.a	None	A	BC	Auto On/Off	Flare On	
3.C2.004			Sanitary Room	1	Mopping Room	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply and Extract	3 (range 0-11) 1.5 per person (24hr)	3 (range 0-11) 1.5 per person (24hr)	Relative	5%	43	n.a	300	n.a	None	A	BC	Switch	Desk 0.75 to 0.85m	
3.C2.005			Staff Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply and Extract	6	0	Relative	5%	43	41	300	n.a	None	A	BC	Switch	Flare On	
3.C2.006			Parent Shower Room	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	10	Relative	None	43	41	200	n.a	None	A	BC	Auto On/Off	Flare On	
3.C2.007			Corridor	1	Corridor	20	18	None	None	No	None	None	0	0	n.a	n.a	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On	
3.C3.002			C3	Food Prep Area	1	Ward Kitchen	20	18	Radiant Panels	Remote Sensor Act	No	None	Central General Extract	0	6	Relative	None	43	40	500	n.a	None	A	BC	Switch	General working plane 1m
3.C3.003				Ward Room	1	Bathroom	20	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On
3.C3.004				Office Area Room	1	Cellular Ward Office	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Central Supply and Extract	4	4	Relative	5%	43	n.a	400	n.a	None	A	BC	Switch	Desk 0.75 to 0.85m
3.C3.005	Store - Linon			1	Storage Area/Equipment	20	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	3	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On	
3.C3.006	Corridor			1	Corridor	20	18	None	None	No	None	None	0	0	n.a	n.a	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On	
3.C4.002	C4			Store	1	Storage Area/Equipment	20	18	Radiant Panels	Remote Sensor Act	No	None	Central General Extract	0	3	Relative	None	43	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On
3.C4.003				En suite shower accessible WC, Shower & linen	1	Bathroom	20	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Relative	None	n.a	n.a	200	n.a	None	A	BC	Auto On/Off	Flare On
3.C4.004				Sleep Room	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	41	100	5	300	A	BC	Switch	Bed Traylay 1.45m
3.C4.005				Parents Room	1	Bedroom	20	18	Radiant Panels	Remote Sensor Act	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	no intake	Relative	5%	43	n.a	100	n.a	None	A	BC	Switch	Bed Traylay 1.45m
3.C4.006				Corridor	1	Cellular Ward Office	20	18	Radiant Panels	Remote Sensor Act	No	None	Central General Extract	0	2	Relative	None	43	n.a	400	n.a	None	A	BC	Switch	Desk 0.75 to 0.85m

Room No.	Department	Room Name	City	Room Function	Temp (cool)	Temp (heat)	Heating Type	Heating Control	Cooling (ceiling)	Cooling (room)	Transmission (walls)	Supply (cfm)	Extract (cfm)	Relative Humidity	Min. Illumination	Surface Acoustics	Water Temp	Humid. Air	Height (ft)	Local Air	Stability grade	Control	Notes			
3 C4 005	C4	Sleep Lab	1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Exhaust Fresh Air	Neutral & Control of Supply Air	0	no extract	Balanced	F7	43	61	120	5	None	A	80	Switch/Thermostat	Bed. Trailing 1.45m		
3 C4 006			1	Bedroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Ceiling Exhaust Fresh Air	Neutral & Control of Supply Air	0	no extract	Positive to outside	F7	43	61	120	6	None	A	80	Switch/Thermostat	Floor Dr		
3 C4 017			1	Bathroom	26	20	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	None	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
3 C4 011			16	Corridor	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	None	0	0	0	0	43	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
3 C4 014			15	Corridor	26	18	None	None	No	None	None	None	0	0	0	0	43	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
3 C4 018	11	Corridor	26	18	None	None	No	None	None	None	0	0	0	0	43	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr			
4 C5 002	C5	Classrooms	1	WC Wheelchair accessible	26	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
4 C5 003			1	Store	26	18	Adjustable Space Transfer Air	None	No	None	Central Exhaust Extract	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
4 C5 004			1	Primary Classroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	7 people at 10 l/s per person	7 people at 10 l/s per person	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Desk @ 75 to 0.85m		
4 C5 005			1	Upper Primary Classroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	7 people at 10 l/s per person	7 people at 10 l/s per person	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Desk @ 75 to 0.85m		
4 C5 006			1	Secondary Classroom	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	11 people at 10 l/s per person	11 people at 10 l/s per person	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Desk @ 75 to 0.85m		
4 C5 007			1	Administration Area	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	4	3	Positive	F7	43	61	200	6.4	None	A	80	Switch	Desk @ 75 to 0.85m		
4 C5 008			1	Resource Storage	26	18	Adjustable Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
4 C5 009			1	WC Ambulant	26	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr
4 C5 011			1	Corridor	26	18	None	None	No	None	None	None	0	0	0	0	43	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 001			1	OSP	26	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	0	0	43	61	100	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 002	1	Consult Examination	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 003	1	Teaching Room (with prep area)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	12	8	Positive	F7	43	61	500	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 004	1	Learn Bay	26	18	Adjustable Space Transfer Air	None	No	None	None	None	0	0	0	0	43	61	100 (1.45)	6.4	None	A	80	Adjustable Controls	Floor Dr			
1 D1 005	1	Consult Examination	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 006	1	Preparation Room (with prep area)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	10	0	Positive	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 007	1	Resource Library Bay	26	18	Adjustable Space Transfer Air	None	No	None	None	None	0	0	0	0	43	61	200	6.4	None	A	80	Adjustable Controls	Bed. Trailing 1.45m			
1 D1 010	1	Dry Utility	26	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
1 D1 011	1	WC wheelchair accessible	26	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
1 D1 012	1	Shower Room	26	20	Radiant Panels	Remote Sensor Adj	No	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
1 D1 013	1	Clean Utility	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	0	0	0	0	Positive	F7	43	61	150	6.4	None	A	80	Adjustable Controls	Central working plane 1.45m		
1 D1 014	1	Consult Examination	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 015	1	Play Therapy (no messy play) Room	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	5	8	Negative	F7	43	61	300	6.4	None	A	80	Switch	Floor Dr				
1 D1 016	1	Consult/Study/Dissemination	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	5	4	Positive	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 017	1	Consult Examination	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 018	1	Consult Examination (with prep area)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 019	1	Consult Examination (L1/L2)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 020	1	Consult Examination (L1/L2)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 021	1	Consult Examination (L1/L2)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 022	1	Consult Examination (L1/L2)	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3	3	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 023	1	Physical Measurement	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	None	0	0	0	0	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m			
1 D1 024	1	Infant Nursing Room	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	3 people at 10 l/s per person	3 people at 10 l/s per person	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 027	1	Sub-Watering Area with automatic play with hand flow	26	18	Underfloor Heating	None	No	None	Central Supply and Extract	0	0	0	0	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Floor Dr		
1 D1 028	1	Sub-Watering Area	26	18	Underfloor Heating	None	No	None	Central Supply and Extract	0	0	0	0	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Floor Dr		
1 D1 029	1	Baby Home Feeding Room	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	Dry Extract	0	0	0	0	Negative	None	60	61	100	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 030	1	Nappy Change	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	150	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 031	1	Equipment - General Store	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	Central General Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 032	1	WC wheelchair accessible	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 033	1	Physiology Room	26	18	Radiant Panels	Remote Sensor Adj	Yes	Lowing Laminar Ceiling Exhaust	Central Supply and Extract	4 people at 10 l/s per person	4 people at 10 l/s per person	Balanced	F7	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m				
1 D1 034	1	Mindful Hazy Bay	26	18	Adjustable Space Transfer Air	None	No	None	None	None	0	0	0	0	43	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr			
1 D1 035	1	Disposal Hold	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr	
1 D1 036	1	Physical Measurement	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	None	0	0	0	0	43	61	300	6.4	None	A	80	Switch	Bed. Trailing 1.45m			
1 D1 037	1	Reception	26	18	Underfloor Heating	None	No	None	Central Supply and Extract	3 people at 10 l/s per person	3 people at 10 l/s per person	Balanced	F7	43	61	300	6.4	None	A	80	Adjustable Controls	Desk @ 75 to 0.85m				
1 D1 038	1	Start WC	26	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	200	6.4	None	A	80	Adjustable Controls	Floor Dr		
1 D1 041	1	Nappy Change	26	18	Radiant Panels	Remote Sensor Adj	No	None	None	Central Dry Extract	0	0	0	0	Negative	None	60	61	150	6.4	None	A	80	Adjustable Controls	Floor Dr	

Room No	Department	Room Name	Qty	Room Function	Emp. (max)	Temp. (max)	Heating Type	Heating Control	Cooling (max)	Cooling Type	Ventilation Type	Supply (ac ft)	Extract (ac ft)	Relative Humidity	Min. Noise	Surface Temp	Water Temp	Barometric Air	Height Air	Local Air	Stability grade	Control	Control	Phone	
G 01 002	DH RHSC Main Operations Department	Ruby Entry - Waiting Room	1	Ruby Waiting	25	18	Radiant Panels	Remote Sensor AS	No	None	On Demand	0	10	Negative	None	43	41	100	n.a	None	A	80	Automatic Controls	Floor Dr	
G 01 003		WC accessible accessible	1	Toilet	25	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr	
G 01 004		Soft WC	1	Toilet	25	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr	
G 01 005		Store Room	1	Storage Area Equipment	25	18	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	3	Negative	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr	
G 01 006		Disposal Hold	1	Disposal Hold	25	18	Radiant Panels	Remote Sensor AS	No	None	None	Central Dry Extract	0	6	Negative	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 007		OSR	1	OSR	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	6	Negative	None	43	60	120	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 008		Plastic S.W. (2 bays)	1	Plastic S.W. (2 bays)	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	None	Central Supply and Extract	0	0	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 009		Store Plastic	1	Storage Area Equipment	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central General Extract	0	1	Negative	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 010		Orthotics Work Shop	1	Soft Work Shop	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	4	6	Negative	87	43	41	300	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
G 01 011		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	1	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 012		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 013		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 014		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 015		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	No	None	None	Central Supply and Extract	3	3	Balance	None	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 016		Consult Examination (Child Protection)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 018		Equipment - General Store	1	Storage Area Equipment	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central Supply and Extract	3	3	Balance	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 021		Playroom Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 021		Child Protection Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 022		Motor Hold Bay	1	Cyclotron Equipment Storage Bays	25	18	Radiant Panels	Remote Sensor AS	No	None	None	None	0	0	n.a	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 023		Dish Utility	1	Dish Utility	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 024		Beverage Bay	1	Food Making	25	18	Adjustable Speed Transfer Air	None	No	None	None	None	0	0	n.a	None	43	41	100-120p	n.a	None	A	80	Switch	Floor Dr
G 01 025		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	None	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 026		Specimen, Disposed WC	1	Toilet	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 027		Research Trolley Bay	1	Cyclotron Equipment Storage Bays	25	18	Adjustable Speed Transfer Air	None	No	None	None	None	0	0	n.a	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 028		Infrared Measuring Room	1	Infrared Measuring Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	None	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 029		Soft WC	1	Toilet	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 030		Lean Bay (1 Empty)	1	Lean Bay	25	18	Adjustable Speed Transfer Air	None	No	None	None	None	0	0	n.a	None	43	n.a	100-120p	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 031		Clean Utility	1	Clean Utility	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply Air	6	0	Positive	87	43	41	150	n.a	None	A	80	Automatic Controls	General working plane 1m
G 01 032		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 033		Treatment Room (with prep area)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply Air	10	0	Positive	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 034		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 035		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 036		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 037		Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	n.a	300	n.a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
G 01 038		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 039		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 040		Consult Multi-Occupancy	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m
G 01 041		Duplex Management Office	1	Cellular Ward Office	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	3	3	Balance	87	43	n.a	450	n.a	None	A	80	Switch	Desk 0.75 to 0.85m
G 01 042		Shower Room	1	Bathroom	25	20	Radiant Panels	Remote Sensor AS	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 043		Corridor	1	Corridor	25	18	Radiant Panels	Remote Sensor AS	No	None	None	None	0	0	n.a	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 044		Corridor	1	Corridor	25	18	None	None	No	None	None	None	0	0	n.a	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 045		Corridor	1	Corridor	25	18	None	None	No	None	None	None	0	0	n.a	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
1 01 067		Corridor	1	Corridor	25	18	Radiant Panels	Remote Sensor AS	No	None	None	None	0	0	n.a	None	43	n.a	200	n.a	None	A	80	Automatic Controls	Floor Dr
G 01 046		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	n.a	None	43	n.a	150	n.a	None	A	80	Automatic Controls	Floor Dr
1 01 078		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	n.a	None	43	n.a	100	n.a	None	A	80	Automatic Controls	Floor Dr
1 01 063		Workshop	1	Workshop	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	n.a	None	43	n.a	100	n.a	None	A	80	Automatic Controls	Floor Dr
G 02 001		Waiting Area	1	Waiting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	6	6	Positive	87	43	n.a	300	n.a	None	A	80	Switch	Floor Dr
G 02 003	Admin Office	1	Cellular Ward Office	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	None	Central Supply and Extract	4	3	Positive	87	43	n.a	400	n.a	None	A	80	Switch	Desk 0.75 to 0.85m	
G 02 004	HT Staff	1	Light	25	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	41	200	n.a	None	A	80	Automatic Controls	Floor Dr	
G 02 005	Exercycle Room (with fan heater)	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	6	6	Balance	87	43	41	300	n.a	1000	A	80	Switch	Bed. Trolley 1.45m	
G 02 006	Lithography Room	1	Diagnostic room	25	18	Warm Air Heated Floor	Soft Air Heated Floor	Yes	Control Locked Floor Air	Control Locked Floor Air	Central Supply and Extract	6	6	Balance	87	43	41	300	n.a	1000	A	80	Switch	General working plane 1m	

Room No.	Department	Room Name	Qty	Room Function	Temp (cool)	Temp (heat)	Heating Type	Heating Control	Cooling (mechanical)	Cooling (natural)	Ventilation System	Supply (liters)	Extract (liters)	Relative Humidity	Min. Airspace	Surface Area	Warm Temp	Normal Use	Height Use	Latent Use	Stability grade	Colour (interior)	Control	Plans		
G 02 007	01	Cardiology & Respiratory	OSP	OSP	26	18	Adaptive Supply Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr		
G 02 008			Store Area	Storage Area Equipment	25	15	Adaptive Supply Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr	
G 02 009			ECG Procedure Room	Consulting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
G 02 010			Admin Office	Callister Ward Office	26	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	0	Positive	F7	43	41	300	1000	None	A	80	Automated Controls	Desk 0.75 to 0.85m
G 02 012			Demolition Store Sheds	Consulting Room	21	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
G 02 013			Long Function Laboratory	Treatment Room	19	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
G 02 014			Exercise Tolerance Test Room	Consulting Room	21	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
G 02 015			Physical Measurements	Consulting Room	25	18	Adaptive Supply Transfer	None	No	None	None	None	Central Supply and Extract	3	0	Positive	None	100	100	1000	1000	None	A	80	Switch	Bed Tray 1.45m
G 02 022			Corridor	Corridor	20	15	Radant Panels	Remote Supply Air	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr
G 02 024			Corridor	Corridor	28	18	None	None	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr
G 02 026	Corridor	Corridor	29	18	None	None	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr		
I 03 011	01	Orthoptics	Staff Office	Callister Ward Office	26	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Automated Controls	Desk 0.75 to 0.85m		
I 03 002			Parking Bay Purifiers	Excitation Equipment Storage Bay	28	18	Radant Panels	None	No	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr	
I 03 003			Int. & maintenance equipment	Tool	26	18	Radant Panels	None	No	None	None	Central Dry Extract	0	10	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr	
I 03 004			OSP	OSP	29	18	Adaptive Supply Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr	
I 03 005			Exercise Room	Consulting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
I 03 006			EE Orthoptics (6 mirror room)	Consulting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
I 03 007			EE Orthoptics (6 mirror room)	Consulting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
I 03 008			EE Orthoptics (6 mirror room)	Consulting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
I 03 009			EE Orthoptics (6 mirror room)	Consulting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	3	Positive	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m
I 04 001			Waiting Area	Waiting Room	28	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Floor Dr
I 04 002	AMR Room	Waiting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m		
I 04 003	Tool Room	Tool Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	1000	None	A	80	Switch	Bed Tray 1.45m		
I 04 004	Shed	Callister Ward Office	26	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
I 04 005	Training Clinic Rooms	Consulting Room	25	18	Warm Air - Radiant Ceiling	BUS Adjustable Service	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	3	0	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
I 04 006	Doc Control	Diagnostic room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	General working plane 1m		
I 04 007	Training Clinic Rooms	Consulting Room	25	18	Warm Air - Radiant Ceiling	BUS Adjustable Service	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	3	0	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
I 04 008	Doc Control	Diagnostic room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	General working plane 1m		
I 04 009	Waiting Area	Waiting Room	28	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Floor Dr		
I 04 010	Work Room	Small Work Shop	26	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
I 04 012	Store	Storage Area Equipment	25	16	Radant Panels	Remote Supply Air	No	None	None	Central General Extract	0	0	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr			
I 04 013	Head Room	Small Work Shop	26	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	4	6	Negative	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
I 04 014	Corridor	Corridor	28	18	None	None	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr		
I 04 015	Corridor	Corridor	28	18	None	None	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr		
I 04 016	Corridor	Corridor	28	18	None	None	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr		
I 04 018	Corridor	Corridor	28	18	None	None	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr		
G 05 002	05	Paediatric Day Surgery	Laboratory	Laboratory	25	18	Radant Panels	Remote Supply Air	Yes	Wall Mounted Unit	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
G 05 003			Clean Utility - Dental Store	Clean Utility	26	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply Air	6	0	Positive	F7	43	41	150	1000	None	A	80	Automated Controls	General working plane 1m
G 05 004			Surgery (multi-disciplinary)	Dental Surgery	25	18	Warm air via AHU System	Local SRD Adjustable	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	16	10	Positive	F7	43	41	500	10000	100000	A	80	Switch	Bed Tray 1.45m
G 05 005			Dry Utility	Dry Utility	28	18	Adaptive Supply Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr	
G 05 006			Mobile View and Storage	Exercise Area Equipment	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central General Extract	0	0	Negative	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr
G 05 007			Recovery	Recovery Bay - Recovery Room	28	21	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	15	15	Positive	F7	43	41	500	1000	1000	A	80	Switch	Bed Tray 1.45m
G 05 008			Surgery (cardiac)	Dental Surgery	25	18	Warm air via AHU System	Local SRD Adjustable	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	10	10	Positive	F7	43	41	500	10000	100000	A	80	Switch	Bed Tray 1.45m
G 05 009			Surgery (cardiac)	Dental Surgery	25	18	Warm air via AHU System	Local SRD Adjustable	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	10	10	Positive	F7	43	41	500	10000	100000	A	80	Switch	Bed Tray 1.45m
G 05 010			Surgery (cardiac)	Dental Surgery	25	18	Warm air via AHU System	Local SRD Adjustable	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	10	10	Positive	F7	43	41	500	10000	100000	A	80	Switch	Bed Tray 1.45m
G 05 011			Corridor	Corridor	28	18	Radant Panels	Remote Supply Air	No	None	None	None	None	0	0	None	None	100	100	100	100	None	A	80	Automated Controls	Floor Dr
I 06 001	06	Callister Ward Office	Callister 11 Phone Booth	Callister Ward Office	26	18	Adaptive Supply Transfer	None	No	None	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m		
I 06 002			Staff Office - All specialist L20 person	Callister Ward Office	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m
I 06 003			Waiting Room - 6 person	Waiting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m
I 06 004			Callister 11 Phone Booth	Callister Ward Office	26	18	Adaptive Supply Transfer	None	No	None	None	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m	
I 06 005			Waiting Room - 4 person	Waiting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m
I 06 006			Waiting Room - 4 person	Waiting Room	25	18	Radant Panels	Remote Supply Air	Yes	Local Exhaust Fresh Air	Yes	Local Exhaust Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	300	1000	None	A	80	Switch	Desk 0.75 to 0.85m

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Control (space)	Control (room)	Ventilation Type	Supply (lit/s)	Extract (lit/s)	Relative Humidity	Min. Altitude	Surface Temp	Water Temp	Normal Lux	Max Lux	Local Lux	Soundly grade	Colour render	Control	Plane
1.06.006	BHSC Managers	WC - Staff	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Duct Extract	0	10	Negative	None	18	40	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.007		WC - Staff	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Duct Extract	0	10	Negative	None	18	40	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.010		1.06.010	1	Cellular Ward Offices	28	18	Adaptive Space Transfer	None	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	4	4	Balanced	8"	18	40	400	0.5	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1.06.011		1.06.011	1	Cellular Ward Offices	28	18	Adaptive Space Transfer	None	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	4	4	Balanced	8"	18	40	400	0.5	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1.06.014		1.06.014	1	Storage Area Equipment	28	16	Radiant Panels	Radiant Supply Air	No	None	Central General Extract	0	0	Negative	None	45	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.015		1.06.015	1	Cellular Ward Offices	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	20	10	400	0.5	None	A	80	Switch	Desk 0.75 to 0.85m
1.06.017		1.06.017	1	Cellular Ward Offices	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	20	10	400	0.5	None	A	80	Switch	Desk 0.75 to 0.85m
1.06.018		1.06.018	1	ESR	28	18	Adaptive Space Transfer Air	None	Yes	None	Central Duct Extract	0	0	Negative	None	18	40	400	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.019		1.06.019	1	Equipment Decontamination	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply Air	0	0	Negative	8"	45	40	250	0.5	None	A	80	Automatic Controls	General working plane 1.4m
1.06.020		1.06.020	1	Diagnostic room	25	16	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	None	A	80	Switch	General working plane 1.4m
1.06.021		1.06.021	1	Diagnostic room	25	16	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	None	A	80	Switch	General working plane 1.4m
1.06.022		1.06.022	1	Waiting Room	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	None	A	80	Switch	Floor Dr
1.06.023		1.06.023	1	Reception	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1.06.028		1.06.028	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Duct Extract	0	10	Negative	None	18	40	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.029		1.06.029	1	Consulting Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Walk Mounted Light	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.026		1.06.026	1	Linon Bay	28	18	Adaptive Space Transfer	None	No	None	None	0	0	N/A	None	18	10	1000	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.027		1.06.027	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply Air	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.028		1.06.028	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply Air	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.029		1.06.029	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply Air	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.031		1.06.031	1	Consulting Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.032		1.06.032	1	Storage Area Equipment	28	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.033		1.06.033	1	Consulting Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.035		1.06.035	1	Consulting Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.036		1.06.036	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.037		1.06.037	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.038		1.06.038	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.040		1.06.040	1	Consulting Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.041		1.06.041	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.042		1.06.042	1	Party	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	None	A	80	Switch	Floor Dr
1.06.043		1.06.043	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.044		1.06.044	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Duct Extract	0	10	Negative	None	18	40	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.045		1.06.045	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.046		1.06.046	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.047		1.06.047	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.048		1.06.048	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.049		1.06.049	1	Changing Facilities	28	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.050		1.06.050	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.052		1.06.052	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.053		1.06.053	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.054		1.06.054	1	Treatment Room	25	18	Radiant Panels	Radiant Supply Air	Yes	Carbon Dioxide Fresh Air	Central Supply and Extract	0	0	Negative	8"	45	40	300	0.5	1000	A	80	Switch	Bed: Trayley 1.45m
1.06.057		1.06.057	1	Toilet	20	18	Radiant Panels	Radiant Supply Air	No	None	Central Duct Extract	0	10	Negative	None	45	40	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.058		1.06.058	1	Reception Bay	28	18	Adaptive Space Transfer	None	No	None	None	0	0	N/A	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.061		1.06.061	1	Equipment Storage Bays	28	16	Radiant Panels	Radiant Supply Air	No	None	None	0	0	N/A	None	45	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.034		1.06.034	1	Combiner	28	18	Radiant Panels	Radiant Supply Air	No	None	Central General Extract	0	0	Negative	None	45	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.055		1.06.055	1	Combiner	28	18	Radiant Panels	Radiant Supply Air	No	None	None	0	0	N/A	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.056		1.06.056	1	Combiner	28	18	Radiant Panels	Radiant Supply Air	No	None	Central General Extract	0	0	Negative	None	45	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.062		1.06.062	1	Combiner	28	18	Radiant Panels	Radiant Supply Air	No	None	Central General Extract	0	0	Negative	None	45	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.059		1.06.059	1	Reception Counter	Not Controlled	Not Controlled	None	None	No	None	None	0	0	N/A	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.06.059		1.06.059	1	Reception Counter	Not Controlled	Not Controlled	None	None	No	None	None	0	0	N/A	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr
1.07.001		1.07.001	1	Bathroom	20	20	Radiant Panels	Radiant Supply Air	Yes	None	Central Duct Extract	0	10	Negative	None	45	40	200	0.5	None	A	80	Switch	Floor Dr
1.07.002		1.07.002	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	200	0.5	None	A	80	Automatic Controls	Floor Dr

A47224882

Room No	Department	Room Name	City	Room Function	Temp (req'd)	Temp (act)	Heating Type	Heating Control	Cooling (req'd)	Cooling Type	Ventilation Type	Supply (act)	Extract (act)	Relative humidity	Min. Airspeed	Surface Temp	Water Temp	Humid. Act	Height Act	Local Act	Stability grade	Colour render	Control	Phone		
1.07.002	D7	Phlebotomy Dressings Unit	Dressings Room - Bureau	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply	0	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed. Tray 1.45m	
1.07.004			Stair	1	Dry Utility	29	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	
1.07.005			ETM	1	Consulting Area	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	41	300	n/a	None	A	80	Automatic Controls	Desk @ 75 to 85cm	
1.07.006			Dressings Room - Bureau	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	200	n/a	1000	A	80	Switch	Bed. Tray 1.45m	
1.07.007			Disposal Hold	1	Disposal Hold	28	16	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	100	n/a	None	A	80	Automatic Controls	Floor Dr	
1.07.008	Combiner	1	Combiner	26	16	None	None	No	None	None	None	0	0	n/a	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr		
0.04.001	D6	General Work	Open Plan Area	1	Waiting Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Desk @ 75 to 85cm	
0.04.002			Waiting Room	1	Waiting Room	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk @ 75 to 85cm	
0.04.003			Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	n/a	None	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr		
0.04.005			Switch/Upboard	1	Switch/Upboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	41	400	n/a	None	A	80	Automatic Controls	Floor Dr	
3.09.002	D6	Medical Day Care Unit	Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor Dr	
3.09.003			Reception 1 unit	1	Reception	28	18	Adaptive Space Transfer Air	None	No	Wall Mounted Unit	Central Supply and Extract	0	0	Positive	F7	n/a	n/a	300	n/a	None	A	80	Switch	Desk @ 75 to 85cm	
3.09.004			WC Wheelchair Accessible	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.09.005			Disposal Hold	1	Disposal Hold	28	16	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.09.006			Waiting, Consulting & Queue Room	1	Waiting Room	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	4 pm to 11.15 pm per person	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Desk @ 75 to 85cm
3.09.007			Office and Storage 2 staff	1	Calender - Ward Office	29	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	400	n/a	None	A	80	Switch	Desk @ 75 to 85cm	
3.09.008			Reception 1 Waiting Bay	1	Reception Waiting Bay	25	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr		
3.09.009			Physical Assessment	1	Consulting Room	29	18	Radiant Panels	Remote Control	Yes	None	None	None	0	0	n/a	None	43	41	200	n/a	1000	A	80	Switch	Desktop working table 1.45m
3.09.010			Waiting Play Area	1	Waiting Room	26	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	300	n/a	None	A	80	Switch	Floor Dr	
3.09.011			Carroll Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed. Tray 1.45m	
3.09.012			Chair Utility	1	Chair Utility	25	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 1.45m	
3.09.013			Treatment Room	1	Treatment Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	300	n/a	1000	A	80	Switch	Bed. Tray 1.45m	
3.09.014			Party	1	Party	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor Dr	
3.09.015			Ward Management Office	1	Calender - Ward Office	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Positive	F7	43	n/a	400	n/a	None	A	80	Switch	Desk @ 75 to 85cm	
3.09.016			Parent Involvement Lounge	1	Parent Involvement Lounge	23	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Negative	F7	43	41	200	n/a	1000	A	80	Switch	Bed. Tray 1.45m	
3.09.017			Dry Utility	1	Dry Utility	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.09.018			Touchdown Base	1	Staff Base	28	18	Radiant Panels	Remote Control	Yes	None	None	None	0	0	n/a	None	43	n/a	300/300	n/a	1000	A	80	Switch	General working plane 1.45m
3.09.019			Singe Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Natural & Central Supply Air	0	0	Positive	F7	43	41	150	5	300	A	80	Switch	Bed. Tray 1.45m	
3.09.020			En suite WC - WMB	1	Toilet	24	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.09.021			Parting Bay - 3 patient tables	1	Calender - Equipment Storage Bay	28	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.09.022			Multi Bed Room - dry care 3 beds	1	Multi Bed Ward	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Natural and Central Supply Air	0	0	Positive	F7	43	41	150	5	300	A	80	Switch	Bed. Tray 1.45m	
3.09.023			En suite wheelchair accessible WC - Room 8 with Matt	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.024			Singe Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Natural & Central Supply Air	0	0	Positive	F7	43	41	150	5	300	A	80	Switch	Bed. Tray 1.45m	
3.09.025			En suite WC - WMB	1	Toilet	28	18	Radiant Panels	Remote Control	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.026			Levin Bay	1	Levin Bay	28	16	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	100 (H2O)	n/a	None	A	80	Automatic Controls	Floor Dr		
3.09.027			Store - General	1	Storage Area Equipment	28	18	Adaptive Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.028			WC - Staff	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.029			DSR	1	DSR	28	18	Adaptive Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	n/a	41	150	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.030			Combiner	1	Combiner	28	18	Radiant Panels	Remote Control	Yes	None	None	None	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.031			Combiner	1	Combiner	28	18	Radiant Panels	Remote Control	Yes	None	None	None	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dr
3.09.032	Switch/Upboard	1	Switch/Upboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	100	n/a	None	A	80	Automatic Controls	Floor Dr				
G.01.001	D10	Pod	Staff Room	1	Common room/Staff room lounge	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	Central Supply and Extract	0	0	Negative	F7	43	41	300	n/a	None	A	80	Switch	Floor Dr	
G.01.002	Multi-Functional Activity Zone		1	Parent Accommodation Day	25	18	Underfloor Heating	None	No	None	None	0	0	n/a	None	43	41	100	n/a	None	A	80	Switch	Bed. Tray 1.45m		
G.01.003	RISC CPD Reception		1	Reception	28	18	Underfloor Heating	None	No	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Desk @ 75 to 85cm		
G.01.004	RISC CPD Suite & Sub-Waiting		1	Waiting Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Fresh Air	None	0	0	Positive	None	43	n/a	300	n/a	None	A	80	Switch	Floor Dr		
G.01.005	Wheelchair Accessible		1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr		
G.01.006	Wheelchair Accessible		1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr		
G.01.007	WC Fully Accessible changing room		1	Toilet	28	18	Radiant Panels	Remote Control	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	
G.01.008	DSR		1	DSR	28	18	Adaptive Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	n/a	41	200	n/a	None	A	80	Automatic Controls	Floor Dr	

Room No	Department	Room Name	Qty	Room Function	Temp (req)	Temp (act)	Heating Type	Heating Control	Control (demand)	Cooling Type	Ventilation Type	Supply (act/hr)	Exhaust (act/hr)	Relative Humidity	Min. Air-Change	Surface Temp	Water Temp	Acoustic (act)	Height (m)	Local Use	Standby (p/yr)	Colour (visual)	Control	Plane
G.E1.009		WC - accessible	1	Toilet	20	19	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.E1.013		Wheelchair Accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.E1.011		BHSC OPD Main Waiting	1	Waiting Room	20	18	Underfloor Heating	None	No	None	None	0	0	ns	None	ns	41	300	n/a	None	A	90	Switch	Floor Dr
G.E1.012		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	41	100	n/a	None	A	80	Switch	Floor Dr
G.E1.014		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	41	100	n/a	None	A	80	Switch	Floor Dr
G.E1.015		Manifold	1	Manifold	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	41	100	n/a	None	A	80	Switch	Floor Dr
G.E1.016		Manifold	1	Manifold	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	41	100	n/a	None	A	80	Switch	Floor Dr
G.F1.002		Consultant Information - Psychological Issues	1	Cellular - Ward Offices	20	17	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	43	n/a	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.003		Storage (archive)	1	Storage Area Equipment	20	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	ns	n/a	200	n/a	None	A	80	Switch	Floor Dr
G.F1.004		Ward Manager Office	1	Cellular - Ward Offices	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	43	n/a	430	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.005		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4 people at 10 l/s per person (10 l/s)	4 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.006		Reception	1	Reception	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	2 people at 10 l/s per person (10 l/s)	0	ns	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.007		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4 people at 10 l/s per person (10 l/s)	4 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.008		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Exhaust	4 people at 10 l/s per person (10 l/s)	4 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.009		Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Exhaust	4 people at 10 l/s per person (10 l/s)	4 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.013		Detention 1 - Phone Booth	1	Cellular - Ward Offices	20	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Exhaust	2 people at 10 l/s per person (10 l/s)	2 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.014		Waiting Area	1	Waiting Room	20	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Exhaust	4 people at 10 l/s per person (10 l/s)	2 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.015		Storage (archive)	1	Storage Area Equipment	20	16	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	ns	n/a	200	n/a	None	A	80	Switch	Floor Dr
G.F1.016		Secretary Eng Office	1	Cellular - Ward Offices	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.018		Mult Disciplinary Office	1	Mult Disciplinary Work Areas	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	42	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.017		Shower - WC - wheelchair accessible	1	Bathroom	20	20	Radiant Panels	Remote Sensor Act	No	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.F1.018		WC - wheelchair accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.F1.019		Play Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	12 people at 10 l/s per person (10 l/s)	12 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.020		Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	12 people at 10 l/s per person (10 l/s)	12 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.021		Control - Viewing	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	5 people at 10 l/s per person (10 l/s)	1 person at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	1000	A	80	Switch	General viewing platform
G.F1.022		Tea Out Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4	0	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.023		Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	8 people at 10 l/s per person (10 l/s)	8 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.024		Large Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	13 people at 10 l/s per person (10 l/s)	13 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.025		Large Family Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	8 people at 10 l/s per person (10 l/s)	8 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.027		Sitting Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4	0	Negative	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.029		Mult Disciplinary Office	1	Mult Disciplinary Work Areas	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.030		Mult Disciplinary Office	1	Mult Disciplinary Work Areas	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	42	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.031		Sitting Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	8 people at 10 l/s per person (10 l/s)	8 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.032		Group Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	12 people at 10 l/s per person (10 l/s)	12 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.033		Art Room	1	Classroom	20	17	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	12 people at 10 l/s per person (10 l/s)	12 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.034		Therapy - Play Therapy Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4	0	Negative	BT	42	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.036		Living Room - Inpatients & Day Prog	1	Eating Drinking	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4	0	Negative	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.037		Therapeutic Kitchen	1	Ward Kitchen	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central General Extract	0	0	Positive	None	ns	41	500	n/a	None	A	80	Switch	General viewing platform 1m
G.F1.038		WC - wheelchair accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.F1.039		Ward Kitchen	1	Ward Kitchen	20	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	ns	41	200	n/a	None	A	80	Switch	General viewing platform 1m
G.F1.043		WC - wheelchair accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.F1.041		Waiting Area	1	Waiting Room	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	12 people at 10 l/s per person (10 l/s)	12 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.042		DSR	1	DSR	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	ns	41	100	n/a	None	A	80	Switch	Floor Dr
G.F1.043		WC - Staff	1	Toilet	20	18	Radiant Panels	Remote Sensor Act	Yes	None	Central Dry Extract	0	10	Negative	None	ns	41	200	n/a	None	A	80	Switch	Floor Dr
G.F1.044		Detention 1 - Phone Booth	1	Cellular - Ward Offices	20	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Exhaust	2 people at 10 l/s per person (10 l/s)	2 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.045		Multidisciplinary Office - ITS	1	Mult Disciplinary Work Areas	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4	0	Positive	BT	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.047		Reception Room	1	Common room staff room lounge	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Negative	BT	43	n/a	300	n/a	None	A	80	Switch	Floor Dr
G.F1.048		Group Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	4	0	Negative	BT	43	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.049		Detention 1 - Phone Booth	1	Cellular - Ward Offices	20	18	Radiant Panels	Remote Sensor Act	Yes	Wall Mounted Unit	Central Supply and Exhaust	2 people at 10 l/s per person (10 l/s)	2 people at 10 l/s per person (10 l/s)	Balanced	BT	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.F1.050		Physical Measurement	1	Consulting Room	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	43	n/a	300	n/a	1000	A	80	Switch	Bed - Toplay 1.45m
G.F1.051		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	12	0	Positive	BT	43	n/a	500	n/a	1000	A	90	Switch	Bed - Toplay 1.45m
G.F1.052		Drug Room	1	Drug Room	20	18	Radiant Panels	Remote Sensor Act	Yes	Underfloor Heating	Central Supply and Exhaust	0	0	Positive	BT	43	n/a	150	n/a	None	A	80	Switch	General viewing platform 1m

Room No	Department	Room Name	Qty	Room Function	Temp (heat)	Temp (cool)	Heating Type	Heating Control	Capping (approved)	Cooking (typical)	Exhaust (typical)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Min. Airflow	Surface lamp	Water Temp	Recessed ltr	Light ltr	Light lux	Standby grade	Colour code	Control	Plans
G.F1.122		E.S.Duct 1	1	E.S.Duct 1	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.123		E.S.Duct 2	1	E.S.Duct 2	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.124		E.S.Duct 3	1	E.S.Duct 3	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.125		E.S.Duct 4	1	E.S.Duct 4	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.126		E.S.Duct 5	1	E.S.Duct 5	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.127		E.S.Duct 6	1	E.S.Duct 6	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.128		E.S.Duct 7	1	E.S.Duct 7	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
G.F1.129		E.S.Duct 8	1	E.S.Duct 8	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.002	G2	OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.003		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.004		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.005		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.006	G2	OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.007		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.008		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
2.02.009		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.002	G3	On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Natural & Central Supply Air	4	no extract	Balanced	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Bed Trailing 1.45m
1.03.003		On-Call Shower WC, WBH	1	Bathroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Natural & Central Supply Air	4	no extract	Balanced	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.004		On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Natural & Central Supply Air	4	no extract	Balanced	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Bed Trailing 1.45m
1.03.005		On-Call Shower WC, WBH	1	Bathroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Natural & Central Supply Air	4	no extract	Balanced	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.006		On-Call Bedroom	1	Bedroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Natural & Central Supply Air	4	no extract	Balanced	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Bed Trailing 1.45m
1.03.007		On-Call Shower WC, WBH	1	Bathroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Natural & Central Supply Air	4	no extract	Balanced	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.008		Minichamber	1	Living/Dining	28	18	Adaptive Space Transfer Air	None	Yes	Lowest Locked Floor Air	Central General Extract	0	5	negative	None	ns	41	300	ns	None	A	80	Switch	Floor Dr
1.03.009		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.010		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.011		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.012	H1	Conference Meeting Room	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	10 people @ 10 l/s per person (100 l/s)	10 people @ 10 l/s per person (100 l/s)	Balanced	FF	43	ns	300	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.013		Seminar Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	20 people @ 10 l/s per person (200 l/s)	20 people @ 10 l/s per person (200 l/s)	Balanced	FF	43	ns	300	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.014		Seminar Tutorial Room	1	Classroom	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	20 people @ 10 l/s per person (200 l/s)	20 people @ 10 l/s per person (200 l/s)	Balanced	FF	43	ns	300	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.015		WC Ambulant	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	negative	None	ns	41	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.016		Disposal Hold	1	Disposal Hold	28	16	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	6	negative	None	ns	ns	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.017		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	5	5	positive	FF	43	ns	300	ns	None	A	80	Switch	Floor Dr
1.03.018		Entrance	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	5	4	positive to air	FF	43	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.019		WC Ambulant	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	negative	None	ns	41	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.020		WC Ambulant	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	negative	None	ns	41	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.021		OSR	1	OSR	Not Controlled	Not Controlled	None	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.022		16 Person Office	1	Open Plan Office	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.023		Admin Office	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.024		Storage Bay	1	Tag Making	28	18	Adaptive Space Transfer Air	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Switch	Floor Dr
1.03.025		Stationary Photography	1	Callular Ward Offices	28	18	Adaptive Space Transfer Air	None	No	None	None	0	0	ns	None	ns	ns	100	ns	None	A	80	Autonomous Controls	Desk 0.75 to 0.85m
1.03.026		Tissue Culture Room	1	Laboratory	25	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	0	6	Balanced	FF	43	ns	500	ns	None	A	80	Switch	General working plane 1m
1.03.027		Meeting Room - 4 person	1	Meeting Room	25	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	2 people @ 10 l/s per person (20 l/s)	2 people @ 10 l/s per person (20 l/s)	Balanced	FF	43	ns	300	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.028		Molecular Biology Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	6	6	Balanced	FF	43	ns	500	ns	None	A	80	Switch	General working plane 1m
1.03.029		WC Ambulant	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	negative	None	ns	41	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.030		WC Ambulant	1	Toilet	28	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	negative	None	ns	41	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.031		Stores Records Store	1	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor Ag	No	None	None	0	3	Positive	FF	43	ns	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.032		Laboratory - Finance Manager's Office	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.033		Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.034		Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.035		Emergency Store	1	Storage Area Equipment	28	16	Adaptive Space Transfer Air	None	Yes	Nil of Minimum Pressure	Central General Extract	0	3	negative	None	ns	ns	200	ns	None	A	80	Autonomous Controls	Floor Dr
1.03.036		Physiology Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	6	6	Balanced	FF	43	ns	500	ns	None	A	80	Switch	General working plane 1m
1.03.037		Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.038		Head of Department	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.039		Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m
1.03.040	Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m	
1.03.041	Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m	
1.03.042	Senior Academic Staff	1	Callular Ward Offices	28	18	Radiant Panels	Remote Sensor Ag	Yes	Lowest Locked Floor Air	Central Supply and Extract	4	3	Positive	FF	43	ns	400	ns	None	A	80	Switch	Desk 0.75 to 0.85m	

Room No	Department	Room Name	Qty	Room Function	Temp (heating)	Temp (cooling)	Heating Type	Heating Control	Cooling (heating)	Cooling (cooling)	Ventilation (heating)	Supply (heating)	Extract (heating)	Active program	Site location	Surface Area	Volume	Terminals	Height	Local Use	Standby grade	Control	Flow		
3.H1.023	Clinical Research Facility	WC Reception	1	toilet	20	18	Adjustable Space Transfer Air	None	Yes	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On	
3.H1.024		Stairway - Production	1	Cellular Ward Offices	20	18	Adjustable Space Transfer Air	None	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Positive	F7	40	n/a	200	n/a	None	A	80	Automatic Controls	Down 0.75 to 0.85m
3.H1.026		Glue Store	1	Storage Area Used Glue	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central General Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Flow On
3.H1.021		Control	1	Control	20	18	Radiant Panels	Remote Control Act	Yes	None	None	None	0	0	NA	None	43	40	200	n/a	None	A	80	Automatic Controls	Flow On
3.H1.023		Control	1	Control	20	18	Radiant Panels	Remote Control Act	Yes	None	None	None	0	0	NA	None	43	40	200	n/a	None	A	80	Automatic Controls	Flow On
3.H1.024		Switch Cabinet	1	Switch Cabinet	Not Classified	Not Classified	None	None	Yes	None	None	None	0	0	NA	None	40	40	100	n/a	None	A	80	Automatic Controls	Flow On
1.H2.001		Diagnose Hall	1	Diagnose Hall	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	n/a	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.002		Waiting Play Area	1	Waiting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Balanced	F7	43	n/a	200	n/a	None	A	80	Switch	Flow On
1.H2.004		Reception	1	Reception	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Positive	F7	43	n/a	200	n/a	None	A	80	Switch	Down 0.75 to 0.85m
1.H2.005		WC Accessible Patients	1	toilet	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.006		DSR	1	DSR	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	100	n/a	None	A	80	Automatic Controls	Flow On
1.H2.007		Office - Reception	1	Cellular Ward Offices	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Positive	F7	43	n/a	200	n/a	None	A	80	Switch	Down 0.75 to 0.85m
1.H2.008		Linen Bin	1	Linen Bin	20	18	Adjustable Space Transfer Air	None	Yes	None	None	None	0	0	NA	None	40	n/a	100 (100)	n/a	None	A	80	Automatic Controls	Flow On
1.H2.009		Consult - Assessment	1	Consulting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Bed - Trayley 1.5m
1.H2.010		Consult - Examination	1	Consulting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Bed - Trayley 1.5m
1.H2.011		WC Suite	1	toilet	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.012		Plenty	1	Plenty	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Negative	F7	43	41	200	n/a	None	A	80	Switch	Flow On
1.H2.013		Store - Equipment	1	Storage Area Equipment	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Negative	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.014		One of Study Room	1	Consulting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Bed - Trayley 1.5m
1.H2.015		En suite Shower - WC WHB	1	Bathroom	20	18	Radiant Panels	Remote Control Act	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.016		Sample Processing	1	Diagnostic room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	3	3	Balanced	F7	43	41	200	n/a	1000	A	80	Automatic Controls	General working plane 1m
1.H2.017		Dry Utility	1	Dry Utility	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.018		En suite Shower - WC WHB	1	Bathroom	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On
1.H2.020	Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply Air	0	0	Positive	F7	43	41	100	n/a	None	A	80	Automatic Controls	General working plane 1m	
1.H2.021	Isolation Bedroom	1	Bedroom	20	18	Adjustable Space Transfer Air	None	Yes	Lowest Levels Fresh Air	None	Supply Via Lobby	10	10	Balanced	F14	40	41	100	5	300	A	80	Switch Damper	Bed - Trayley 1.5m	
1.H2.022	En suite Shower - WC WHB	1	Bathroom	20	18	Radiant Panels	Remote Control Act	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Flow On	
1.H2.023	Isolation Bedroom Entrance Lobby	1	Isolation Lobby	20	18	Water Air Heated (Water)	None	Yes	Lowest Levels Fresh Air	None	Central Supply	3	3	Positive	F14	43	41	200	n/a	None	A	80	Switch	Flow On	
1.H2.024	Single Bed Room	1	Bedroom	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Natural & Central Supply Air	4	4	Balanced	F14	43	41	400	5	300	A	80	Switch Damper	Bed - Trayley 1.5m	
1.H2.025	En suite Shower	1	Staff Bath	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply Air	2 people at 100 gpm per person (200 gpm)	0	0	Positive	F7	45	n/a	200-300	n/a	1000	A	80	Switch Damper	General working plane 1m
1.H2.026	Control	1	Control	20	18	Adjustable Space Transfer Air	None	Yes	None	None	None	0	0	NA	None	40	40	200	n/a	None	A	80	Automatic Controls	Flow On	
1.H2.028	Control	1	Control	20	18	Radiant Panels	Remote Control Act	Yes	None	None	None	0	0	NA	None	43	40	200	n/a	None	A	80	Automatic Controls	Flow On	
1.H2.029	Control	1	Control	20	18	Adjustable Space Transfer Air	None	Yes	None	None	None	0	0	NA	None	40	40	100	n/a	None	A	80	Automatic Controls	Flow On	
1.H2.027	Switch Cabinet	1	Switch Cabinet	Not Classified	Not Classified	None	None	Yes	None	None	None	0	0	NA	None	40	40	100	n/a	None	A	80	Automatic Controls	Flow On	
3.H3.001	Clinical Education Suite	Workshop - Tutorial Room	1	Classroom	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	Central Supply and Extract	11 people at 1.1 gpm per person (121 gpm)	11 people at 1.1 gpm per person (121 gpm)	Balanced	F7	43	41	200	n/a	None	A	80	Switch	Down 0.75 to 0.85m	
3.H3.002		Control Room	1	Control Room	20	18	Radiant Panels	Remote Control Act	Yes	Control Room	None	Central Supply and Extract	3 people at 1.1 gpm per person (33 gpm)	3 people at 1.1 gpm per person (33 gpm)	Balanced	F7	43	200	n/a	1000	A	80	Switch Damper	General working plane 1m	
3.H3.003		Storage	1	Storage Area Equipment	20	18	Radiant Panels	Remote Control Act	Yes	None	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Flow On
3.H3.004		Workshop - Tutorial Room	1	Classroom	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	11 people at 1.1 gpm per person (121 gpm)	11 people at 1.1 gpm per person (121 gpm)	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Down 0.75 to 0.85m
3.H3.005		Services Room	1	Meeting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	11 people at 1.1 gpm per person (121 gpm)	10 people at 1.1 gpm per person (110 gpm)	Balanced	F7	43	n/a	200	n/a	1000	A	80	Switch	Down 0.75 to 0.85m
3.H3.006		WC - WHB Shower	1	toilet	20	18	Radiant Panels	Remote Control Act	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Flow On
3.H3.007		WC Ambulance	1	toilet	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On
3.H3.008		WC Ambulance	1	toilet	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	41	200	n/a	None	A	80	Automatic Controls	Flow On
3.H3.010		Workshop - Tutorial Room	1	Classroom	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	11 people at 1.1 gpm per person (121 gpm)	11 people at 1.1 gpm per person (121 gpm)	Balanced	F7	43	41	200	n/a	1000	A	80	Switch	Down 0.75 to 0.85m
3.H3.011		Storage Bay	1	Tea Making	20	18	Adjustable Space Transfer Air	None	Yes	None	None	None	0	0	NA	None	40	41	100 (100)	n/a	None	A	80	Switch	Flow On
3.H3.012		DSR	1	DSR	20	18	Adjustable Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	46	40	100	n/a	None	A	80	Automatic Controls	Flow On
3.H3.013		Manual Handling, Health & Safety	1	Classroom	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	6	6	Positive	F7	43	40	200	n/a	None	A	80	Switch	Down 0.75 to 0.85m
3.H3.014		Pharmacy Board Education Office	1	Cellular Ward Offices	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	80	Switch	Down 0.75 to 0.85m
3.H3.015		Meeting Room	1	Meeting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	11 people at 1.1 gpm per person (121 gpm)	11 people at 1.1 gpm per person (121 gpm)	Balanced	F7	43	n/a	200	n/a	None	A	80	Switch	Down 0.75 to 0.85m
3.H3.016		Services Room	1	Meeting Room	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	11 people at 1.1 gpm per person (121 gpm)	10 people at 1.1 gpm per person (110 gpm)	Balanced	F7	43	n/a	200	n/a	None	A	80	Switch	Down 0.75 to 0.85m
3.H3.018		Management Admin Office	1	Cellular Ward Offices	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	4	4	Positive	F7	43	n/a	400	n/a	None	A	80	Switch	Down 0.75 to 0.85m
3.H3.019		Computer Centre	1	Cellular Ward Offices	20	18	Radiant Panels	Remote Control Act	Yes	Lowest Levels Fresh Air	None	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	80	Switch	Down 0.75 to 0.85m
3.H3.020		Linen	1	Exclusive Equipment Storage Bay	20	18	Radiant Panels	Remote Control Act	Yes	None	None	Central Supply and Extract	5	5	Positive	F7	43	n/a	200	n/a	None	A	80	Automatic Controls	Flow On
3.H3.021		Control	1	Control	20	18	Radiant Panels	Remote Control Act	Yes	None	None	None	0	0	NA	None	43	40	200	n/a	None	A	80	Automatic Controls	Flow On

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (max/min)	Cooling (type)	Ventilation (type)	Supply (lit/s)	Extract (lit/s)	Relative pressure	Min. illumination	Surface level	Water temp	Refract. lit/s	Height lit/s	Light lux	Signify grade	Colour render	Control	Plane		
G.01.001	II	Combin	1	Combin	20	18	Radiant Panels	Remote Control Act	No	None	None	0	0	0	None	42	18	200	1.4	None	A	80	Automatic Controls	Floor Dr		
G.01.002		Drainage Lobby	1	Circulation Area - Entrance Lobby	25	None	Warm Air Drop Ceiling	RAU Adjustable Sensors	No	None	None	0	0	0	0	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr		
G.01.003		Whichever Bay	1	Circulation Area	25	18	Radiant Panels	Remote Control Act	No	None	None	0	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.004		Security Office	1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.005		Yielding Machine	1	Yielding Machine	25	18	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Switch	Floor Dr	
G.01.006		Reception - Intercourse Desk	1	Reception	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Positive	FF	43	1.2	300	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.007		Retail Shop	1	Retail Shop	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Floor Dr	
G.01.008		Catering Shop	1	Catering Shop	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Floor Dr	
G.01.009		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Floor Dr	
G.01.010		Public Telephone Booth	1	Circulation Phone Booth	28	18	Adjacent Space Transfer Air	None	No	None	None	None	0	0	0	None	42	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.011		WC - Visitors	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.012		WC - Whichever accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.013		Assisted Change Nappy Change	1	Nappy Change	28	18	Radiant Panels	Remote Control Act	No	None	None	Central Dry Extract	0	0	Negative	None	43	1.2	100	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.014		CSR	1	CSR	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	1.2	100	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.015		Fire Control room	1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
B.02.001		II	CSR	1	CSR	28	18	Adjacent Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	1.2	100	1.4	None	A	80	Adjustable Controls	Floor Dr	
B.02.004			Store - Beds	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control Act	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr
B.02.005			Store - Toys	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control Act	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr
J.01.001		JI	Lobby	1	Circulation Area - Entrance Lobby	25	None	Warm Air Drop Ceiling	RAU Adjustable Sensors	No	None	None	0	0	0	0	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
J.01.002			WC - Whichever accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr
J.01.003	Body's Waiting Room		1	Body's Waiting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Negative	FF	43	1.2	100-150	1.4	None	A	80	Switch	Floor Dr	
J.01.004	Waiting Room with Beverage Bay		1	Common room staff lounge	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Negative	FF	43	1.2	300	1.4	None	A	80	Switch	Floor Dr	
G.02.001	JII	Interview Room	1	Meeting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.02.002		Prayer / Meditation / Reflection Area	1	Common room staff lounge	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Negative	FF	43	1.2	300	1.4	None	A	80	Switch	Floor Dr	
G.02.003		WC - Whichever accessible - Toilet	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.02.004		Store	1	Storage Area Equipment	28	18	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.02.005		Office	1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.02.006		Combin	1	Combin	20	18	None	None	No	None	None	None	0	0	0	0	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.02.007		Switch Cupboard	1	Switch Cupboard	Not Connected	Not Connected	None	None	No	None	None	None	0	0	0	0	43	1.2	100	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.001		JIII	Meeting Rooms (Family)	1	Meeting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Desk 0.75 to 0.85m
G.01.002			Meeting Rooms (Family)	1	Meeting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Desk 0.75 to 0.85m
G.01.003			Office 1	1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m
G.01.004	Office 2		1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.005	Office 3		1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.006	Waiting		1	Waiting Room	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Switch	Floor Dr	
G.01.007	Nappy Changing Room		1	Nappy Change	28	18	Radiant Panels	Remote Control Act	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	100	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.008	WC - Whichever accessible		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.009	Interview Room		1	Meeting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Adjustable Controls	Desk 0.75 to 0.85m	
G.01.010	Office 3		1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.011	Office 5		1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.012	Office 2		1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m	
G.01.013	Store		1	Storage Area Equipment	28	18	Radiant Panels	Remote Control Act	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.014	Interview Room		1	Meeting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	None	A	80	Adjustable Controls	Desk 0.75 to 0.85m	
G.01.015	Drop in Nappy Changing Room		1	Meeting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Negative	FF	43	1.2	300	1.4	None	A	80	Adjustable Controls	Desk 0.75 to 0.85m	
G.01.016	WC - Sign		1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.017	Beverage Bay		1	Tea Making	25	18	Radiant Panels	Remote Control Act	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	100-150	1.4	None	A	80	Switch	Floor Dr	
G.01.018	Complementary Therapy Room		1	Consulting Room	25	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	0	0	Balance	FF	43	1.2	300	1.4	1500	A	80	Switch	Bed - Height 1.45m	
G.01.019	Radiolabel Preparation/Labeling		1	Circulation Area	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	5	5	Balance	FF	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.020	Whichever Bay		1	Circulation Equipment Storage Room	28	18	Adjacent Space Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr	
G.01.021	Office 4	1	Cellular Ward Offices	28	18	Radiant Panels	Remote Control Act	Yes	Control Locked Fresh Air	None	Central Supply and Extract	4	3	Positive	FF	43	1.2	400	1.4	None	A	80	Switch	Desk 0.75 to 0.85m		
G.01.022	WC - Whichever accessible	1	Toilet	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	43	1.2	200	1.4	None	A	80	Adjustable Controls	Floor Dr		
G.01.023	CSR	1	CSR	28	18	Adjacent Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	1.2	100	1.4	None	A	80	Adjustable Controls	Floor Dr		

Room No	Department	Room Name	Dry	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling Parameter	Cooling System	Ventilation System	Supply Air (m³/s)	Extract Air (m³/s)	Relative Humidity	Min. Humidity	Surface Temp	Water Temp	Room No	Height (m)	Local Use	Stability grade	Colour render	Control	Plane	
3.12.057		Store	1	Storage Area Equipment	25	15	Radiant Panels	Manual Control	No	None	Central General Extract	0	0	Negative	None	43	n/a	220	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.058		En suite Shower WC WHB	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.059		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.060		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.061		En suite Shower WC WHB	1	Toilet	25	15	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.062		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.063		En suite Shower WC WHB	1	Toilet	25	15	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.064		En suite Shower WC WHB	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.065		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.066		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.067		En suite Shower WC WHB	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.068		En suite Shower WC WHB	1	Toilet	25	15	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.069		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.070		En suite Shower WC WHB	1	Toilet	25	15	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.071		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.072		En suite Shower WC WHB	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.073		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.074		En suite Shower WC WHB	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.075		Family Room for 4 persons in an suite	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	n/a	170	n/a	None	A	80	Switch Damper	Bed Trailing 1.45m	
3.12.076		En suite Shower WC WHB	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.077		En suite Shower WC WHB	1	Toilet	25	15	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.078		Laundry	1	Laundry	25	15	Radiant Panels	Manual Control	Yes	Wall Mounted Unit	Central Supply and Extract	4	10	Negative	41	43	80	300	n/a	None	A	80	Switch	Floor Dr	
3.12.080		Storage - refuse	1	Disposal Hold	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	4	Negative	None	n/a	n/a	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.12.084		Office - Admin	1	Office - Ward Office	25	15	Radiant Panels	Manual Control	Yes	Wall Mounted Unit	Central Supply and Extract	4	4	Positive	41	43	n/a	410	n/a	199A	A	80	Switch	Desk Trailing 1.45m	
3.12.001		Corridor	1.1	Corridor	25	15	None	None	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.014		Corridor	1.1	Corridor	25	15	Radiant Panels	Manual Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.018		Corridor	1.1	Corridor	25	15	Radiant Panels	Manual Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.052		Corridor	1.1	Corridor	25	15	Radiant Panels	Manual Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.058		Corridor	1.1	Corridor	25	15	Radiant Panels	Manual Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.054		Switch Room - Cabinet	1	Switch Outboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	n/a	100	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.051		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	n/a	100	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.062		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	n/a	100	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.063		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	n/a	100	n/a	None	A	80	Automatic Controls	Floor Dr	
3.12.064		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	n/a	n/a	100	n/a	None	A	80	Automatic Controls	Floor Dr	
3.11.002		Single Bed Room	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	41	100	5	300	A	80	Switch Damper	Bed Trailing 1.45m	
3.11.003		En suite Shower WC WHB	1	Bathroom	25	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	Maximum 10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.004		Disposal Hold	1	Disposal Hold	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	4	Negative	None	n/a	n/a	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.025		Intensive Treatment Room	1	Treatment Room	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Central Supply Air	12	0	Positive	41	43	41	500	n/a	1889	A	80	Switch	Bed Trailing 1.45m	
3.11.036		Single Bed Room	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	41	100	5	300	A	80	Switch Damper	Bed Trailing 1.45m	
3.11.027		En suite Shower WC WHB	1	Bathroom	25	20	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	Maximum 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.009		Touchscreen Base	1	Call Base	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Central Supply and Extract	4	Maximum 10	Positive	41	43	n/a	200	300	n/a	1889	A	80	Switch Damper	Desk 0.75 to 0.95m
3.11.028		Reception 1 - Help Bay	1	Reception 1 - Help Bay	25	15	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.010		Single Bed Room	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	41	100	5	300	A	80	Switch Damper	Bed Trailing 1.45m	
3.11.011		En suite Shower WC WHB	1	Bathroom	25	20	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	Maximum 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.012		Waiting Area - Reception	1	Waiting Room	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Central Supply and Extract	5	5	Positive	41	43	n/a	300	n/a	None	A	80	Switch	Floor Dr	
3.11.013		Reception - Waiting Marquee	1	Reception - Waiting Marquee	25	15	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	80	Switch	Floor Dr	
3.11.014		WC - Wheelchair accessible - Visitors	1	Toilet	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.015		Single Bed Room	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	5	Positive	41	43	41	100	5	300	A	80	Switch Damper	Bed Trailing 1.45m	
3.11.016		En suite Shower WC WHB	1	Bathroom	25	20	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	Maximum 10	Negative	None	n/a	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.017		Single Bed Room	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	41	100	5	300	A	80	Switch Damper	Bed Trailing 1.45m	
3.11.018		En suite Shower WC WHB	1	Bathroom	25	20	Radiant Panels	Manual Control	No	None	Central Dry Extract	0	Maximum 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.019		Living Bay	1	Living Bay	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	n/a	100	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.020		Ward Bay	1	Consultation - Treatment Storage Bays	25	15	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	n/a	n/a	200	n/a	None	A	80	Alarm and Controls	Floor Dr	
3.11.021		Single Bed Room	1	Bedroom	25	15	Radiant Panels	Manual Control	Yes	Control Locked Fresh Air	Natural & Central Supply Air	4	n/a	Positive	41	43	41	100	5	300	A	80	Switch Damper	Bed Trailing 1.45m	

Room No	Department	Room Name	Qty	Room Function	Temp (cool)	Temp (heat)	Heating Type	Heating Control	Cooling (coolant)	Cooling (type)	Workstation (type)	Supply (ac ft)	Extract (ac ft)	Positive pressure	Shr. Mitigation	Surface Temp	Water Temp	Normal Int	Height Int	Local Int	Shielding grade	Control	Control	Phone		
1.1.022	DCH Arch Core - 21 Beds	En suite Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On		
1.1.023		Staff Room	1	Cellular Ward Office	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	2 people at 100 cfm per person (typical)	2 people at 100 cfm per person (typical)	Subpress	F7	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.25m		
1.1.024		Single Bed Room	1	Bathroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	1 person at 100 cfm per person (typical)	1 person at 100 cfm per person (typical)	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m		
1.1.025		En suite Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On		
1.1.026		WC 094B (shower included)	1	Toilet	26	18	Radfan Panels	Remote Control AC	Yes	None	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On	
1.1.027		Flower Making	1	Washing Room	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	11 people at 100 cfm per person (typical)	11 people at 100 cfm per person (typical)	Subpress	F7	43	41	300	n/a	None	A	80	Switch	Floor On		
1.1.028		MAJ Day Clinical Office Reception	1	MAJ Day Clinical Work Areas	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.25m		
1.1.029		Consulting Examination Room	1	Consulting Room	25	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	0	0	Subpress	F7	43	41	300	n/a	1000	A	80	Switch	Bed Tray 1.45m		
1.1.030		Consulting Examination Room	1	Consulting Room	25	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	0	0	Subpress	F7	43	41	300	n/a	1000	A	80	Switch	Bed Tray 1.45m		
1.1.031		Consulting Examination Room	1	Consulting Room	25	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	0	0	Subpress	F7	43	41	300	n/a	1000	A	80	Switch	Bed Tray 1.45m		
1.1.032		Consulting Examination Room	1	Consulting Room	25	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	0	0	Subpress	F7	43	41	200	n/a	1000	A	80	Switch	Bed Tray 1.45m		
1.1.033		En suite Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	6	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On		
1.1.034		Single Bed Room	1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	1	1	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m		
1.1.035		En suite Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On		
1.1.036		Touchdown Bed	1	Small Room	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	2 people at 100 cfm per person (typical)	2 people at 100 cfm per person (typical)	Subpress	F7	43	41	200/300	n/a	1000	A	80	Switch Damper	Desk 0.75 to 0.25m		
1.1.037		Viewing Relations Day Room	1	Meeting Room	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	4 people at 100 cfm per person (typical)	4 people at 100 cfm per person (typical)	Subpress	F7	43	41	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.25m		
1.1.038		Single Bed Room	1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	0	no extract	Subpress	F7	43	41	300	n/a	None	A	80	Switch Damper	Bed Tray 1.45m		
1.1.039		En suite Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On		
1.1.040		En suite Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On		
1.1.041		Single Bed Room	1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	2	no extract	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m		
1.1.042		Ward Management Office	1	Cellular Ward Office	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	4	0	Positive	F7	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.25m		
1.1.043		Clean Utility	1	Clean Utility	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply Air	0	0	Positive	F7	43	41	150	n/a	None	A	80	Automatic Controls	General working plane 2m		
1.1.044		Staff Room	1	Common room still near lounge	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	4 people at 100 cfm per person (typical)	4 people at 100 cfm per person (typical)	Subpress	F7	43	41	300	n/a	None	A	80	Switch	Floor On		
1.1.045		Multi-department Office	1	MAJ Day Clinical Work Areas	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	6	6	Positive	F7	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.25m		
1.1.046		Ward Station	1	Ward Station	26	18	Radfan Panels	Remote Control AC	Yes	None	None	Central General Extract	0	0	Negative	None	n/a	60	500	n/a	None	A	80	Switch	General working plane 1.6	
1.1.055		DCH Arch Core - 21 Beds	Touchdown Bed	1	Small Room	26	18	Adjustable Speed Transfer Air	None	Yes	Lowest Limited Fresh Air	Central General Extract	0	0	Negative	None	26	41	200/300	n/a	1000	A	80	Switch Damper	Desk 0.75 to 0.25m	
1.1.060			Teaching Room	1	Lecture Room	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	11 people at 100 cfm per person (typical)	10 people at 100 cfm per person (typical)	Subpress	F7	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.25m	
1.1.061			Dry Utility	1	Dry Utility	26	18	Radfan Panels	Remote Control AC	Yes	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.062			Single Bed Room	1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	4	no extract	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m	
1.1.067			Shower Room on suite	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On	
1.1.068			Single Bed Room	1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply Air	0	no extract	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m	
1.1.069			Shower Room on suite	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On	
1.1.070			Interview/Partners Client Room	1	Meeting Room	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	4 people at 100 cfm per person (typical)	4 people at 100 cfm per person (typical)	Subpress	F7	43	41	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.25m	
1.1.071			Linen Bay	1	Linen Bay	26	18	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	26	41	100 (MAX)	n/a	None	A	80	Automatic Controls	Floor On	
1.1.072			WC Unit	1	Toilet	26	18	Adjustable Speed Transfer Air	None	Yes	None	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.073			WC Unit	1	Toilet	26	18	Adjustable Speed Transfer Air	None	Yes	None	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.074			Receptionist Trolley Bay	1	Reception Trolley Bay	26	18	Adjustable Speed Transfer Air	None	No	None	None	None	0	0	n/a	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.075			Staff Room	1	Cellular Ward Office	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply and Extract	0	0	Negative	F7	43	41	400	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.25m	
1.1.078			Storage Communicator	1	Storage Area Equipment	26	18	Radfan Panels	Remote Control AC	Yes	None	None	Central General Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.079			En suite Accessible Shower WC 094B	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.079			Med Bay	1	Consultation Equipment Storage Bays	26	18	Adjustable Speed Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.079			WC Unit	1	Toilet	26	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.080			WC Independent Washbasin	1	Toilet	26	18	Adjustable Speed Transfer Air	None	No	None	None	Central Dry Extract	0	10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.082			Receptionist Storage Bays	1	Receptionist Storage Bays	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Central Supply Air	4	0	Positive	F7	43	41	100	n/a	None	A	80	Switch	Bed Tray 1.45m	
1.1.083			Single Bedroom (level 1)	1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	2	no extract	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m	
1.1.084			Shower Room on suite	1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.085			Medicine Bay	1	Consultation Equipment Storage Bays	26	18	Adjustable Speed Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.086			Storage Equipment	1	Storage Area Equipment	26	18	Adjustable Speed Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On
1.1.086	Storage Equipment		1	Storage Area Equipment	26	18	Adjustable Speed Transfer Air	None	No	None	None	Central General Extract	0	0	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On	
1.1.087	Shower Room on suite		1	Bathroom	26	20	Adjustable Speed Transfer Air	None	Yes	None	None	Central Dry Extract	0	Minimum 10	Negative	None	26	41	200	n/a	None	A	80	Automatic Controls	Floor On	
1.1.088	Single Bedroom (level 1)		1	Bedroom	26	18	Radfan Panels	Remote Control AC	Yes	Lowest Limited Fresh Air	Natural & Central Supply Air	4	no extract	Subpress	F7	43	41	400	n/a	None	A	80	Switch Damper	Bed Tray 1.45m		
1.1.089	Touchdown Bed		1	Small Room	26	18	Radfan Panels	Remote Control AC	Yes	None	None	Central Supply and Extract	2 people at 100 cfm per person (typical)	2 people at 100 cfm per person (typical)	Subpress	F7	43	41	200/300	n/a	1000	A	80	Switch Damper	Desk 0.75 to 0.25m	

A4724882

Room No	Department	Room Name	Dty	Room Function	Finish (wall)	Fyng (ceiling)	Wallpaper Type	Wallpaper Control	Ceiling (approx)	Ceiling Detail	Wallpaper Type	Wallpaper Control	Supply (liters)	Extract (liters)	Relative pressure	Min. Airflow	Surface Temp	Water Temp	Relative Hum	Height (m)	Local Act	Standby grade	Colour render	Control	Plane
1.1.1.090		Storage Store/entry	1	Storage Area/Equipment	25	15	Radiant Panels	Removal Service Ad	No	None	None	Central General Extract	0	0	Negative	None	42	n/a	270	n/a	None	A	80	Alarm and Controls	1 floor 0m
1.1.1.091		Single Bedroom (level 1)	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
1.1.1.092		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m	
1.1.1.093		Single Bedroom (level 1)	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
1.1.1.094		Shower Room on suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
1.1.1.095		DDR	1	DDR	25	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	40	130	n/a	None	A	80	Alarm and Controls	1 floor 0m
1.1.1.096		Disposal Hold	1	Disposal Hold	25	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
1.1.1.097		Bed Room	1	Master Bed Wards	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural and Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
1.1.1.098		En suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
1.1.1.099		Bed Room	1	Master Bed Wards	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural and Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
1.1.1.101		En suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
1.1.1.102		Treatment Room	1	Treatment Room	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Central Supply Air	10	0	Positive	17	43	41	300	n/a	1.070	A	90	Switch	Bed. Trayley 1.45m	
1.1.1.104		Isolation Lobby	1	Isolation Lobby	25	18	Warm Air Return Filter	None	Yes	Central Locked Floor Air	Central Supply Air	24	0	Positive	17	43	41	200	n/a	None	A	80	Switch	1 floor 0m	
1.1.1.108		Physio Measure	1	Consulting Room	25	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	n/a	300	n/a	1.070	A	80	Switch	Bed. Trayley 1.45m
1.1.1.109		Touchdown Base	1	call base	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Central General Extract	0	0	negative (at higher ceiling 2.45m)	17	43	n/a	200/300	n/a	1.080	A	80	Switch Damper	Down 0.75 to 0.85m	
1.1.1.105		Corridor	1	Corridor	25	18	Radiant Panels	Removal Service Ad	No	None	None	0	0	n/a	None	42	n/a	220	n/a	None	A	80	Automatic Controls	1 floor 0m	
1.1.1.101		Corridor	1	Corridor	25	18	Radiant Panels	Removal Service Ad	No	None	None	0	0	n/a	None	42	n/a	220	n/a	None	A	80	Automatic Controls	1 floor 0m	
1.1.1.116		Switch Outboard	1	Switch Outboard	Not Controlled	Not Classified	None	None	No	None	None	0	0	n/a	None	43	n/a	130	n/a	None	A	80	Automatic Controls	1 floor 0m	
1.1.1.117		Switch Outboard	1	Switch Outboard	Not Controlled	Not Classified	None	None	No	None	None	0	0	n/a	None	43	n/a	130	n/a	None	A	80	Automatic Controls	1 floor 0m	
2.1.2.002		Disposal Hold	1	Disposal Hold	25	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.003		Linon Bay	1	Linon Bay	25	18	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	100 n/a	n/a	None	A	80	Alarm and Controls	1 floor 0m	
2.1.2.004		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.005		Shower Room on suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.006		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.007		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.008		Head Bay	1	Construction Equipment Storage Bays	25	15	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	270	n/a	None	A	80	Alarm and Controls	1 floor 0m	
2.1.2.009		Touchdown Base	1	call base	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Central Supply Air	0	0	Positive	17	43	n/a	200/300	n/a	1.080	A	80	Switch Damper	General working plane 1m	
2.1.2.010		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	6 via bathroom ingress	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.011		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.012		Store	1	Storage Area/Equipment	25	18	Radiant Panels	Removal Service Ad	No	None	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.013		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.014		Shower Room on suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.015		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.016		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.017		Touchdown Base	1	call base	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Central Supply Air	0	0	Positive	17	43	n/a	200/300	n/a	1.080	A	80	Switch Damper	General working plane 1m	
2.1.2.018		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.019		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.020		Reception Trolley Bay	1	Reception Trolley Bay	25	18	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Alarm and Controls	1 floor 0m	
2.1.2.021		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.022		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.023		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.024		Shower Room on suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.025		Touchdown Base	1	call base	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Central Supply Air	0	0	Positive	17	43	n/a	200/300	n/a	1.080	A	80	Switch Damper	General working plane 1m	
2.1.2.026		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.027		Shower Room on suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.028		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.029		Shower Room on suite	1	Bathroom	25	20	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.030		Dirty Utility	1	Dirty Utility	25	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.031		DDR	1	DDR	25	18	Adjustable Space Transfer Air	None	No	None	None	Central Dry Extract	0	0	Negative	None	43	40	130	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.032		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	
2.1.2.033		Shower Room on suite	1	Bathroom	25	20	Radiant Panels	Removal Service Ad	No	None	None	Central Dry Extract	0	via m.v. 10	Negative	None	43	41	200	n/a	None	A	80	Alarm and Controls	1 floor 0m
2.1.2.034		Single Bedroom	1	Bedroom	25	18	Radiant Panels	Removal Service Ad	Yes	Low Vent. Locked Floor Air	Natural & Central Supply Air	4	via m.v. 10	Balanced	17	43	41	130	n/a	300	A	80	Switch Damper	Bed. Trayley 1.45m	

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (max/min)	Cooling Type	Ventilation Type	Supply (ac ft)	Extract (ac ft)	Relative Humidity	Min. Noise	Surface Temp	Flow Temp	Barometric	Height	Local Use	Security grade	Control	Plano	
2.12.140		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Manual & Control Supply Air	0	no extract	Relative	67	43	41	130	5	300	A	80	Switch	Bed - Trolley 1.45m
2.12.141		Showers Room on site	1	Bathroom	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	10000 per 10	Negative	None	118	41	200	n/a	None	A	80	Switch	Floor 0m
2.12.142		Single Bedroom	1	Bedroom	20	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Control Supply and Extract	0	0 in bedroom and ensuite	Relative	67	43	41	130	5	300	A	80	Switch	Bed - Trolley 1.45m
2.12.143		Showers Room on site	1	Bathroom	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	118	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.144		Linen Bay	1	Linen Bay	20	16	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	108	n/a	100-1000	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.152		Physical Therapy	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Control Extract	0	0	Negative	None	43	n/a	300	n/a	1000	A	80	Switch	General working plans 1st
2.12.153		Store	1	Store	20	18	Adjustable Space Transfer Air	None	No	None	Extract General Extract	0	0	Negative	None	n/a	n/a	200-300	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.001		Corridor	1	Corridor	20	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.145		Corridor	1	Corridor	20	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.146		Corridor	1	Corridor	20	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.147		Corridor	1	Corridor	20	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	41	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.148		Corridor	1	Corridor	20	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.151		Corridor	1	Corridor	20	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.149		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.150		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
2.12.154		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	0	0	n/a	None	43	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.002		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.003		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.004		Nurse Base	1	Staff base	25	18	Radiant Panels	Remote Control	No	None	Control Supply and Extract	1 person at 10000 per person (typical)	1 person at 10000 per person (typical)	Relative	67	43	n/a	200-300	n/a	1000	A	80	Switch	Desk 0.75 to 0.85m
G.M1.005		WC - wheelchair accessible	1	Toilet	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	118	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.006		Linen Bay	1	Linen Bay	20	16	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	108	n/a	100	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.007		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.008		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.009		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.010		Ph.D. One Year Office (3 persons)	1	Callbox - Ward Office	20	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Positive	67	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.M1.011		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.012		Consult M&B Discussion	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Positive	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.013		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.014		Treatment Room with prep area	1	Treatment Room	25	18	Radiant Panels	Remote Control	Yes	WPA Mounted Unit	Control Supply Air	115	0	Positive	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.015		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.016		Clean Utility	1	Clean Utility	20	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Control Supply Air	0	0	Positive	67	43	41	130	n/a	None	A	80	Automatic Controls	General working plans 1st
G.M1.017		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.018		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.019		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.020		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.021		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.022		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.023		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.024		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.025		Consult Examination	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Relative	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.027		Consult M&B Discussion	1	Consulting Room	25	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Positive	67	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m
G.M1.029		Dirty Utility area etc	1	Dirty utility	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	118	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.029		Dietary Management Office	1	Callbox - Ward Office	20	18	Radiant Panels	Remote Control	Yes	Leading Luminaires Chilled Water	Control Supply and Extract	0	0	Positive	67	43	n/a	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
G.M1.031		Store Room	1	Staff base	20	18	Adjustable Space Transfer Air	None	No	None	Control Supply Air	0	0	Positive	67	n/a	n/a	200-300	n/a	1000	A	80	Switch	Desk 0.75 to 0.85m
G.M1.032		Main Waiting	1	Waiting Room	20	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Control Supply and Extract	20 person at 10000 per person (typical)	20 person at 10000 per person (typical)	Relative	67	43	n/a	300	n/a	None	A	80	Switch	Floor 0m
G.M1.034		WC - Staff	1	Toilet	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	118	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.035		WC - Staff	1	Toilet	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	118	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.036		Staff Room	1	Common room staff rest lounge	20	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Control Supply and Extract	0	0	Negative	67	43	41	300	n/a	None	A	80	Switch	Floor 0m
G.M1.037		Store Linen supplies, Equipment & Stationery	1	Storage Area Equipment	20	18	Radiant Panels	Remote Control	No	None	Control General Extract	0	0	Negative	None	43	n/a	300	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.038		Disposal Hold	1	Disposal Hold	20	18	Adjustable Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	118	41	200	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.039		WC Fully Accessible Changing Room	1	Changing Facilities	20	18	Radiant Panels	Remote Control	Yes	Comfort Control Fan Coil	Control General Extract	0	0	Negative to outside	None	43	41	130	n/a	None	A	80	Automatic Controls	Floor 0m
G.M1.040		Physical Measurement	1	Consulting Room	25	18	Radiant Panels	Remote Control	No	None	None	0	0	n/a	None	43	n/a	300	n/a	1000	A	80	Switch	Bed - Trolley 1.45m

A47224882

Room No	Department	Room Name	Qty	Room Function	Temp (heat)	Temp (cool)	Sealing Type	Sealing Control	Coating (applied)	Coating (type)	Weatherstripe (type)	Supply (cat no)	Extract (cat no)	Automa pressure	Min. extraction	Surface temp	Water temp	Humid. cat	Height (m)	Local fan	Staircase grade	Colour (code)	Control	Plane		
G M1 041	DCM Theravac	Store - Equipment - General	1	Storage Area-Equipment	25	16	Adaptive Space-Triples	None	No	None	Central General Extract	0	0	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On		
G M1 042		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	4 people at 10 l/s per person (Chilled Water)	2 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley - 1.5m		
G M1 043		Music Teaching Booth	1	Location Phone Booth	25	18	Adaptive Space-Triples	None	No	None	None	None	0	0	n/a	None	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On		
G M1 045		WC - Wheelchair accessible	1	Toilet	25	18	Adaptive Space-Triples	None	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
G M1 046		Medical Records Store	1	Cultural - Ward Offices	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Positive	17	43	41	400	n/a	None	A	80	Automa (Controls)	Desk 0.75 to 0.85m		
G M1 047		Enquiry - Information Desk - 1st floor	1	Reception	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	2 people at 10 l/s per person (Chilled Water)	2 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
G M1 048		Patent Advice Room	1	Mixing Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	4 people at 10 l/s per person (Chilled Water)	4 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
G M1 050		DOF	DOF	1	DOF	25	18	Adaptive Space-Triples	None	No	None	Central Dry Extract	0	0	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
G M1 051		Sub Working Area	1	Working Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	9 people at 10 l/s per person (Chilled Water)	9 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	None	A	80	Switch	Floor On		
G M1 052		Corridor	1	Corridor	25	18	Radiant Panels	Normal Service Air	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
G M1 053		Corridor	1	Corridor	25	18	Radiant Panels	Normal Service Air	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
G M1 030		Corridor	1	Corridor	25	18	Radiant Panels	Normal Service Air	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
G M1 048		Corridor	1	Corridor	25	18	Radiant Panels	Normal Service Air	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
G M1 052		Switch Cup	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	n/a	None	19	n/a	100	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 002		DCM Theravac	Staff Office	1	Cultural - Ward Offices	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Positive	17	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2 M2 003			Reception	1	Reception	25	18	Radiant Panels	Normal Service Air	Yes	Wall Mounted Unit	Central Dry Air	0	0	Positive	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2 M2 004			Interview Room	1	Mixing Room	25	18	Radiant Panels	Normal Service Air	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (Chilled Water)	4 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2 M2 005			Interview Room	1	Mixing Room	25	18	Radiant Panels	Normal Service Air	Yes	Wall Mounted Unit	Central Supply and Extract	4 people at 10 l/s per person (Chilled Water)	4 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2 M2 006			Waiting	1	Waiting Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	4 people at 10 l/s per person (Chilled Water)	4 people at 10 l/s per person (Chilled Water)	Balanced	17	43	41	300	n/a	None	A	80	Switch	Floor On	
2 M2 007			Aut. Entrance System - WC entrance	1	Toilet	25	18	Radiant Panels	Normal Service Air	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On
2 M2 008			Physio Treatment Room	1	Physiotherapy Studio	25	14	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	10	0	Positive	17	43	41	300	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 008			ADL kitchen	1	Kitchen	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central General Extract	0	0	Negative	None	19	n/a	300	n/a	None	A	80	Switch	General working plane 1m	
2 M2 010			Consult Examination	1	Consulting Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Balanced	17	43	41	300	n/a	1000	A	80	Switch	Bed - Trolley - 1.5m	
2 M2 011			End of line Free Treatment Room	1	Treatment Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply Air	10	0	Positive	17	43	41	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2 M2 012			Distended Free Treatment Room	1	Treatment Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply Air	10	0	Positive	17	43	41	500	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
2 M2 013	Staff lockers		1	Changing Facilities	25	18	Adaptive Space-Triples	None	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Positive	17	43	41	500	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 014	WC Accessible		1	Toilet	25	18	Adaptive Space-Triples	None	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 015	Staff Toilet		1	Toilet	25	18	Adaptive Space-Triples	None	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 016	Staff Toilet		1	Toilet	25	18	Adaptive Space-Triples	None	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 017	Changing Cubicles		1	Changing Facilities	25	18	Adaptive Space-Triples	None	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	0	Positive	17	43	41	100	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 018	Changing Cubicles		1	Changing Facilities	25	18	Adaptive Space-Triples	None	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	0	Positive	17	43	41	100	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 019	Changing Cubicles		1	Changing Facilities	25	18	Adaptive Space-Triples	None	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	0	Positive	17	43	41	100	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 020	Changing Cubicles		1	Changing Facilities	25	18	Adaptive Space-Triples	None	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	0	Positive	17	43	41	100	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 021	Store - General Equipment		1	Storage Area-Equipment	25	16	Radiant Panels	Normal Service Air	No	None	Central General Extract	0	0	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 022	Patent Table		1	Table	25	18	Adaptive Space-Triples	None	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 023	Multi Purpose Rehabilitation Room		1	Physiotherapy Studio	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	0	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor On		
2 M2 024	Store - General Equipment		1	Storage Area-Equipment	25	16	Radiant Panels	Normal Service Air	No	None	Central General Extract	0	0	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 025	Store - General Equipment		1	Storage Area-Equipment	25	16	Radiant Panels	Normal Service Air	No	None	Central General Extract	0	0	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 026	Corridor		1	Corridor	25	18	Radiant Panels	Normal Service Air	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M2 026	Switch Cupboard	1	Switch Cup	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	n/a	None	19	n/a	100	n/a	None	A	80	Automa (Controls)	Floor On		
2 M2 027	Programme Investigations Unit	Treatment Room	1	Treatment Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply Air	10	0	Positive	17	43	41	500	n/a	1000	A	80	Switch	Bed - Trolley - 1.5m		
2 M2 028		Treatment Area	1	Treatment Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply Air	10	0	Positive	17	43	41	500	n/a	1000	A	80	Switch	Bed - Trolley - 1.5m		
2 M2 029		Waiting area - 2 & 3 wheelchairs	1	Waiting Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	5	Balanced	17	43	41	300	n/a	None	A	80	Switch	Floor On		
2 M2 030		Corridor	1	Corridor	25	18	None	None	No	None	None	None	0	0	n/a	None	43	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M4 002	DCM Theravac	Waiting Area (D22)	1	Waiting Room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	5	5	Balanced	17	43	41	300	n/a	None	A	80	Switch	Floor On		
2 M4 003		Screening Office	1	Cultural - Ward Offices	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Positive	17	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
2 M4 004		Reporting Room	1	Cultural - Ward Offices	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Positive	17	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
2 M4 005		HDD Office	1	Cultural - Ward Offices	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Positive	17	43	41	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m		
2 M4 006		WC - wheelchair accessible (DCM)	1	Toilet	25	18	Adaptive Space-Triples	None	No	None	None	Central Dry Extract	0	10	Negative	None	19	n/a	200	n/a	None	A	80	Automa (Controls)	Floor On	
2 M4 007		Queue Room	1	Common room staff room lounge	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Negative	17	43	41	300	n/a	None	A	80	Switch	Floor On		
2 M4 008		EMG Room - Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Balanced	17	43	41	400	n/a	1000	A	80	Switch	General working plane 1m		
2 M4 009		EMG Room - Conduction Room	1	Diagnostic room	25	18	Radiant Panels	Normal Service Air	Yes	Leaking Labyrinth (Chilled Water)	Central Supply and Extract	0	0	Balanced	17	43	41	300	n/a	1000	A	80	Switch	General working plane 1m		

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (type)	Cooling (type)	Exhaust (type)	Supply (type)	Exhaust (cfm)	Relative Humidity	Min. Moisture	Surface Lev	Water Lev	Normal Lux	High Lux	Local Acc	Sound grade	Control	Notes		
2 MA 011	M1 DCH Neurophysiology	EMG Home Calibration Room	1	Diagnostic room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	1000	A	80	Switch Damaged	General working plane 1m	
2 MA 012		VTM Ambulatory Review Room	1	Diagnostic room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	1000	A	80	Switch Damaged	General working plane 1m	
2 MA 013		Central Physiological Room	1	Callista Ward Offices	29	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Positive	0.7	43	41	300	n.a.	None	A	80	Switch	Desk 0.75 to 0.85m	
2 MA 014		WC Staff	1	Table	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
2 MA 016		Store Pharmacy	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control AS	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
2 MA 017		EEG Recording Room	1	Diagnostic room	25	18	Warm Air Heated Battery	PHU Adjustable Space	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	1000	A	80	Switch Damaged	General working plane 1m	
2 MA 018		EEG Recording Room	1	Diagnostic room	25	18	Warm Air Heated Battery	PHU Adjustable Space	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	1000	A	80	Switch Damaged	General working plane 1m	
2 MA 019		EEG Recording Room	1	Diagnostic room	25	18	Warm Air Heated Battery	PHU Adjustable Space	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	1000	A	80	Switch Damaged	General working plane 1m	
2 MA 020		Control	1	Control	28	18	Radiant Panels	Remote Control AS	No	None	Central Supply	0	0	Positive	0.7	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
2 MA 021		Switch Outboard	1	Switch Out	Not Controlled	Not Controlled	None	None	No	None	None	0	0	0.6	None	43	41	100	n.a.	None	A	80	Auto and Controls	Floor 0m	
2 MA 022		Switch Outboard	1	Switch Out	Not Controlled	Not Controlled	None	None	No	None	None	0	0	0.6	None	43	41	100	n.a.	None	A	80	Auto and Controls	Floor 0m	
0 MA 001		M1 DCH Entrance	Reception Information Desk	1	Reception	28	18	underfloor heating	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply Air	4	4	Relative	0.7	43	41	300	n.a.	None	A	80	None	Desk 0.75 to 0.85m
0 MA 002	Drugs Entry		1	Caravan Area Entrance Lobby	28	18	underfloor heating	Remote Control AS	No	None	None	0	0	0.6	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
0 MA 003	WC - wheelchair accessible		1	Table	28	18	Radiant Panels	Remote Control AS	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
0 MA 004	WC Visitors		1	Table	28	18	Radiant Panels	Remote Control AS	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
0 MA 005	Wheelchair Bay		1	Crutches Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	None	0	0	0.6	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
0 MA 006	Waiting Mx Bay		1	Waiting Machine	28	18	underfloor heating	Remote Control AS	No	None	None	0	0	0.6	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
0 MA 007	Waiting Area		1	Waiting Room	28	18	underfloor heating	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	None	A	80	Switch	Floor 0m	
0 MA 008	Manifold		1	Manifold	Not Controlled	Not Controlled	None	None	No	None	None	0	0	0.6	None	100	41	100	n.a.	None	A	80	0.6	0.6	
2 MC 001	M2 DCH Ward North Records Support - M2		Staff Room	1	Common room staff room lounge	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	18 people at 18 to 20 per person (700)	18 people at 18 to 20 per person (700)	Relative	0.7	43	41	300	n.a.	None	A	80	Switch	Floor 0m
2 MC 002			Store & Co.	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control AS	No	None	Central Supply and Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m
2 MC 004		Disposal Hold - small	1	Disposal Hold	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
2 MC 005		DCR	1	USR	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	100	n.a.	None	A	80	Auto and Controls	Floor 0m	
2 MC 001		Control	1	Control	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	0.6	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 002	M1 DCH Ward North	Physio Clinician's Bay	1	Clinical Room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	300	n.a.	1000	A	80	Switch	Bed Tray 1.45m	
1 PA 003		Single Bedroom	1	Bedroom	28	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	100	n.a.	None	A	80	Switch	Floor 0m	
1 PA 004		E - suite WC - WHB	1	Tablet	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 005		Single Bedroom	1	Bedroom	28	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	100	n.a.	None	A	80	Switch	Floor 0m	
1 PA 006		E - suite WC - WHB	1	Tablet	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 007		Diag Room	1	Examination Room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Positive	0.7	43	41	500	n.a.	1000	A	80	Switch	Bed Tray 1.45m	
1 PA 008		Diag Room	1	Examination Room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Positive	0.7	43	41	500	n.a.	1000	A	80	Switch	Bed Tray 1.45m	
1 PA 009		Interview Room - DCU	1	Interview Room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	4 people at 12.15 per person (700)	4 people at 12.15 per person (700)	Relative	0.7	43	41	300	n.a.	None	A	80	Switch	Desk 0.75 to 0.85m	
1 PA 010		Single Bedroom	1	Bedroom	28	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Relative	0.7	43	41	100	n.a.	None	A	80	Switch	Floor 0m	
1 PA 011		E - suite WC - WHB	1	Tablet	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 012		SDCU Discharge Lounge	1	Common room staff room lounge	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Negative	0.7	43	41	300	n.a.	None	A	80	Switch	Floor 0m	
1 PA 013		WC - wheelchair accessible	1	Tablet	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 014		Interview Room - DCU	1	Interview Room	25	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	4 people at 12.15 per person (700)	4 people at 12.15 per person (700)	Relative	0.7	43	41	300	n.a.	None	A	80	Switch	Desk 0.75 to 0.85m	
1 PA 015		SDCU Dispensary	1	Clean Utility	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply Air	0	0	Positive	0.7	43	41	150	n.a.	None	A	80	Auto and Controls	General working plane 1m	
1 PA 016		Pharmacy - DCU	1	Pharmacy	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Negative	0.7	43	41	300	n.a.	None	A	80	Switch	Floor 0m	
1 PA 017		Wheelchair Parking Bay	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central Supply Air	0	0	Positive	0.7	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 018		Linen Bay	1	Linen Bay	28	18	Adjustable Space Transfer Air	None	No	None	None	0	0	0.6	None	43	41	100 (M1)	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 019		WC - Patients	1	Tablet	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 020		SDCU Floor Cap Staff Base Utility	1	Staff base	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Positive	0.7	43	41	200/300	n.a.	None	A	80	Switch Damaged	Desk 0.75 to 0.85m	
1 PA 021		Recovery Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply Air	0	0	Positive	0.7	43	41	150	n.a.	None	A	80	Auto and Controls	General working plane 1m	
1 PA 022		Recovery Dry Utility	1	Dry Utility	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	43	41	200	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 023		SDCU Recovery	1	Recovery Bay - Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	15	15	Relative	0.7	43	41	500	n.a.	1000	A	80	Switch Damaged	Bed Tray 1.45m	
1 PA 024		SDCU Recovery Room	1	Recovery Bay - Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	15	15	Relative	0.7	43	41	300	n.a.	None	A	80	Switch Damaged	Bed Tray 1.45m	
1 PA 025		SDCU Recovery Room	1	Recovery Bay - Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	15	15	Relative	0.7	43	41	300	n.a.	None	A	80	Switch Damaged	Bed Tray 1.45m	
1 PA 026		Linen Bay	1	Linen Bay	28	18	Adjustable Space Transfer Air	None	No	None	Central Supply Air	0	0	Positive	0.7	43	41	100 (M1)	n.a.	None	A	80	Auto and Controls	Floor 0m	
1 PA 027		Recovery Staff Base	1	Callista Ward Offices	28	18	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	0	0	Positive	0.7	43	41	100	n.a.	None	A	80	Switch Damaged	Desk 0.75 to 0.85m	
1 PA 028		Post Anesthetic Recovery	1	Recovery Bay - Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Lowest Limited Fresh Air	Central Supply and Exhaust	15	15	Relative	0.7	43	41	300	n.a.	None	A	80	Switch Damaged	Bed Tray 1.45m	

Room No	Department	Room Name	Dty	Room Function	Famp (sqft)	Femp (sqft)	Heating Type	Heating Control	Cooling (sqft)	Cooling Type	Envelope (sqft)	Supply (cfm)	Exhaust (cfm)	Active pressure	Air Min (ft/min)	Surface Temp	Water Temp	Humid. (gr)	Height (ft)	Latent (lb)	Standby grade	Color number	Contract	Phase	
1.F1.030		Recovery room post anesthesia 1 place	1	Recovery Bay - Recovery Room	25	20	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	None	A	90	Switch Damper	Bed - Trakley 1.45m	
1.F1.031		Recovery room post anesthesia 1 place	1	Recovery Bay - Recovery Room	25	20	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	None	A	90	Switch Damper	Bed - Trakley 1.45m	
1.F1.032		Operating Theatre	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	25	0	Positive	0.1	42	41	1000	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.033		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.034		Schubel (single)	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	12	Negative	None	n/a	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.035		Decision 1 Phone Booth	1	Cellular - Ward Office	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	2 people at 10 f/s per person (Trade)	0	12	Balanced	0.1	43	n/a	400	n/a	None	A	90	Adjustable Controls	Desk 0.75 to 0.85m
1.F1.036		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central General Exhaust	0	0	Negative	None	n/a	n/a	270	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.038		Scruble Pharmacy Store	1	Clean Utility	28	18	Adjustable Space Transfer Air	None	No	None	Central Supply Air	0	0	Positive	0.1	n/a	n/a	150	n/a	None	A	90	Adjustable Controls	General working plane 1m	
1.F1.039		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply Air	10	0	Positive	0.1	42	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.040		Ear Bay	1	Operating Theatre Suite	25	18	Radiant Panels	Remote Control	Yes	None	None	0	0	n/a	None	42	n/a	370	n/a	None	A	90	Adjustable Controls	Bed - Trakley 1.45m	
1.F1.041		Utility Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	39	Negative	None	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.042		Recovery Bay 10x10x10 (from recovered soft source utility DCS)	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central General Exhaust	0	0	Negative	None	n/a	n/a	270	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.043		4 Bay Untrasound	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central General Exhaust	0	0	Negative	None	n/a	n/a	270	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.044		Operating Theatre	1	Operating Theatre Suite	31	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	25	0	Positive	0.1	43	41	1000	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.045		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply Air	12	0	Positive	0.1	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.046		Schubel (single)	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	12	Negative	None	n/a	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.047		Recovery Bay	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.048		OSP	1	OSP	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	n/a	40	150	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.049		Clean Rooms Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply Air	0	0	Positive	0.1	43	n/a	270	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.050		Day Case Theatre	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	20	0	Positive	0.1	43	41	500	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.051		MRI Waiting	1	Cellular - Ward Office	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	0	0	Positive	0.1	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
1.F1.052		WC Rest	1	Rest	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	n/a	41	200	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.053		Staff Room	1	Common room with lounge	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	10 people at 10 f/s per person (Trade)	0	12	Balanced	0.1	42	41	370	n/a	None	A	90	Switch	Floor 0m
1.F1.054		Sub-Test Area	1	Waiting Room	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	0 people at 10 f/s per person (Trade)	0	12	Balanced	0.1	43	n/a	270	n/a	None	A	90	Adjustable Controls	Floor 0m
1.F1.055		Implant Holding Bay	1	Circulation Equipment Storage Bays	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply	0	0	Positive	0.1	43	41	200	n/a	None	A	90	Adjustable Controls	Bed - Trakley 1.45m	
1.F1.056		Implant Holding Bay	1	Circulation Equipment Storage Bays	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply	0	0	Positive	0.1	43	n/a	200	n/a	None	A	90	Adjustable Controls	Bed - Trakley 1.45m	
1.F1.057		Tooling Bay	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central Supply	0	0	Positive	0.1	n/a	n/a	200	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.058		Autoclave (Instruments Machine Room)	1	Operating Theatre Suite	35	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	0	0	Balanced	0.1	43	n/a	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.059		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply Air	12	0	Positive	0.1	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.060		Tooling Bay	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.061		WC - Wheelchair accessible	1	Rest	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	n/a	41	200	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.062		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	None	A	90	Switch	Bed - Trakley 1.45m	
1.F1.064		MRI Room	1	Diagnostic room	25	18	Warm Air - Remote Control	SM2 Adjustable	Yes	By Specialist	Central Supply and Exhaust	0.25 (Theatre above)	0	0	Positive	0.1	43	n/a	300	n/a	1000	A	90	Switch Damper	General working plane 1m
1.F1.065		Control Room - MRI	1	Cellular - Ward Office	28	18	Warm Air - Remote Control	SM2 Adjustable	Yes	By Specialist	Central Supply and Exhaust	0	0	Positive	0.1	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
1.F1.066		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.067		Ear Bay	1	Operating Theatre Suite	25	18	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	90	Adjustable Controls	Bed - Trakley 1.45m	
1.F1.068		Equipment Room - MRI	1	Storage Area Equipment	28	18	Adjustable Space Transfer Air	None	No	By Specialist	Central General Exhaust	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.069		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.070		Operating Theatre	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	25	0	Positive	0.1	43	41	1000	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.071		Schubel (single)	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	12	Negative	None	n/a	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.072		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply Air	12	0	Positive	0.1	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.073		Schubel (single)	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	12	Negative	None	n/a	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.074		Anaesthetic Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	15	15	Balanced	0.1	43	41	500	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.075		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply Air	10	0	Positive	0.1	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.076		Ear Bay	1	Operating Theatre Suite	25	18	Adjustable Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	90	Adjustable Controls	Bed - Trakley 1.45m	
1.F1.077		Utility Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	39	Negative	None	43	41	150	n/a	10,000 - 150,000	A	90	Switch	General working plane 1m	
1.F1.078		Operating Theatre	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	25	0	Positive	0.1	43	n/a	1000	n/a	10,000 - 150,000	A	90	Switch	Bed - Trakley 1.45m	
1.F1.079		Preparation Room	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central Supply Air	12	0	Positive	0.1	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.080		Schubel (single)	1	Operating Theatre Suite	25	18	warm air re AHU Battery	Local - SM2 Adjustable	Yes	Lowest Outside Fresh Air	Central General Exhaust	0	12	Negative	None	n/a	41	500	n/a	None	A	90	Switch	General working plane 1m	
1.F1.083		Decision 1 Phone Booth	1	Cellular - Ward Office	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	2 people at 10 f/s per person (Trade)	0	12	Balanced	0.1	43	n/a	400	n/a	None	A	90	Adjustable Controls	Desk 0.75 to 0.85m
1.F1.084		Image Intensifier Bay	1	Circulation Equipment Storage Bays	28	18	Adjustable Space Transfer Air	None	No	None	Central Dry Exhaust	0	0	Negative	None	n/a	n/a	270	n/a	None	A	90	Adjustable Controls	Floor 0m	
1.F1.085		Decision 1 Phone Booth	1	Cellular - Ward Office	28	18	Radiant Panels	Remote Control	Yes	Lowest Outside Fresh Air	Central Supply and Exhaust	2 people at 10 f/s per person (Trade)	0	12	Balanced	0.1	43	n/a	400	n/a	None	A	90	Adjustable Controls	Desk 0.75 to 0.85m

Room No.	Department	Room Name	Qty	Room Function	Time (hrs)	Temp (room)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac ft)	Extract (ac ft)	Relative pressure	Min. Mitigation	Surface Temp	Grout Temp	Normal Use	Height Use	Local Use	Standby grade	Colour render	Control	Phone	
1 PH 086	PH Operating Theatres & PHSC Surgical Dry Core Unit	Medical Lin Cabinet Store	1	Storage Area Med Gas	28	16	Adaptive Space Transfer Air	None	Yes	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr	
1 PH 087		Central Equipment Store	1	Storage Area Equipment	28	16	Robust Panels	Heimann Service Air	Yes	None	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 088		IPG Room	1	IPG Room	30	18	Adaptive Space Transfer Air	None	Yes	None	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 089		EDN Nurse Management Office	1	Cabaret Ward Office	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	3 people at 18 ft ³ per person (static)	3 people at 18 ft ³ per person (static)	Neutral	7.7	43	184	400	18	None	A	80	Switch	Desk 0.75 to 0.85m
1 PH 090		Dry Utility (Cabinet Storage & Wash)	1	Dry Utility	28	18	Robust Panels	Heimann Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 091		Operating Theatre	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	25	0	Positive	7.7	43	184	1000	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 092		Utility Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central General Extract	0	0	Positive	7.7	43	184	150	18	10,000 100,000	A	80	Switch	General working plane 1.9
1 PH 093		Anteoperative Procedures Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply Air	25	0	Positive	7.7	43	184	100	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 094		Anteoperative Procedures Central Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	300	18	10,000 100,000	A	80	Switch	Desk 0.75 to 0.85m
1 PH 095		Therapy Supply Store	1	Clean Utility	28	18	Adaptive Space Transfer Air	None	Yes	Lowest Limited Fresh Air	None	Central Supply Air	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	General working plane 1.9
1 PH 096		Soap Dispenser Bay	1	Clean Utility	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 098		WC Bath	1	Toilet	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 099		Shower (Surgical) Bay	1	Clean Utility	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply Air	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	General working plane 1.9
1 PH 100		Twinkle Staff Changing and Lockers	1	Changing Facilities	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	Floor Dr
1 PH 101		Change Room	1	OSR	28	18	Robust Panels	Heimann Service Air	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 102		Male Staff Changing and Lockers	1	General Facilities	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	Floor Dr
1 PH 103		Female Staff Changing and Lockers	1	General Facilities	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	Floor Dr
1 PH 104		Female Machine Washing Area	1	Dry Utility	28	18	Adaptive Space Transfer Air	None	Yes	Lowest Limited Fresh Air	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 105		Dry Utility	1	Dry Utility	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 106		Disposal Hold	1	Disposal Hold	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 107		Clean Utility	1	Clean Utility	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply Air	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	General working plane 1.9
1 PH 108		Manufacture Supply Bay	1	Recovery Bay	28	18	Adaptive Space Transfer Air	None	Yes	None	None	None	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 109		Laundry Bay	1	Laundry Bay	28	18	Adaptive Space Transfer Air	None	Yes	None	None	None	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 110		Recovery Bay (Surgical) Bay	1	Recovery Bay	28	20	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	15	0	Neutral	7.7	43	184	300	18	None	A	80	Automatic Controls	Bed Tray 1.45m
1 PH 111		Bath and shower area (Surgical) Bay	1	Cabaret Ward Office	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1 PH 112		Consulting Information & Changing Room	1	Consulting Room	25	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	300	18	1000	A	80	Switch	Bed Tray 1.45m
1 PH 113		IPG Room	1	IPG Room	30	18	Adaptive Space Transfer Air	None	Yes	None	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 114		Lockers, information & changing room	1	Consulting Room	25	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	300	18	1000	A	80	Switch	Bed Tray 1.45m
1 PH 115		Management administration office & communication base & staff	1	Reception	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	300	18	None	A	80	Switch	Desk 0.75 to 0.85m
1 PH 116		Lockers, information & changing room	1	Consulting Room	25	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	300	18	1000	A	80	Switch	Bed Tray 1.45m
1 PH 117		Reception / Office	1	Office	25	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	300	18	None	A	80	Switch	Desk 0.75 to 0.85m
1 PH 118		WC (Wholesale) accessible	1	Toilet	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 119		WC (Wholesale) accessible	1	Toilet	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central Dry Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 120		Dry Utility - 2 zones	1	Cabaret Ward Office	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	2 people at 18 ft ³ per person (static)	2 people at 18 ft ³ per person (static)	Neutral	7.7	43	184	400	18	None	A	80	Switch	Desk 0.75 to 0.85m
1 PH 121		Changing Cubicles	1	Changing Facilities	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Automatic Controls	Floor Dr
1 PH 122		Anteoperative Lounge	1	Common room staff room lounge	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Negative	7.7	43	184	300	18	None	A	80	Switch	Floor Dr
1 PH 123		Operating Theatre	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	25	0	Positive	7.7	43	184	1000	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 124		Utility Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central General Extract	0	0	Negative	7.7	43	184	500	18	None	A	80	Switch	General working plane 1.9
1 PH 125		Operating Theatre	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	25	0	Positive	7.7	43	184	1000	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 126		Anteoperative Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	15	15	Neutral	7.7	43	184	100	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 127		Scrub-up lounge	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central General Extract	0	0	Neutral	7.7	43	184	200	18	None	A	80	Switch	General working plane 1.9
1 PH 128		Preparation Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply Air	10	0	Positive	7.7	43	184	500	18	None	A	80	Switch	General working plane 1.9
1 PH 129		Exit Bay	1	Operating Theatre Suite	25	18	Adaptive Space Transfer Air	None	Yes	None	None	None	0	0	Neutral	7.7	43	184	250	18	None	A	80	Automatic Controls	Bed Tray 1.45m
1 PH 130		Preparation Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply Air	10	0	Positive	7.7	43	184	500	18	None	A	80	Switch	General working plane 1.9
1 PH 131		Scrub up lounge	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central General Extract	0	0	Negative	7.7	43	184	500	18	None	A	80	Switch	General working plane 1.9
1 PH 132		Anteoperative Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	15	15	Neutral	7.7	43	184	500	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 133		Anteoperative Room	1	Operating Theatre Suite	25	18	Warm or hot AHU Battery	Local (SB) Admittance	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	15	15	Neutral	7.7	43	184	500	18	10,000 100,000	A	80	Switch	Bed Tray 1.45m
1 PH 134		Office Suite Nurse Theatres	1	Cabaret Ward Office	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Switch	Desk 0.75 to 0.85m
1 PH 135		Image Transfer Bay	1	Clean Utility	28	18	Adaptive Space Transfer Air	None	Yes	None	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 136		Washroom (1) Phase Booth	1	Cabaret Ward Office	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	2 people at 18 ft ³ per person (static)	2 people at 18 ft ³ per person (static)	Neutral	7.7	43	184	400	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1 PH 137		Central Equipment Store	1	Storage Area Equipment	28	18	Robust Panels	Heimann Service Air	Yes	None	None	Central General Extract	0	0	Negative	None	18	18	200	18	None	A	80	Automatic Controls	Floor Dr
1 PH 138		Office Staff	1	Cabaret Ward Office	28	18	Robust Panels	Heimann Service Air	Yes	Lowest Limited Fresh Air	None	Central Supply and Extract	0	0	Positive	7.7	43	184	150	18	None	A	80	Switch	Desk 0.75 to 0.85m

Room No	Department	Room Name	Qty	Room Function	Floor (story)	Temp (max)	Humidity Type	Humidity Control	Cooling (present)	Cooling Type	Windows (type)	Supply (cfm)	Extract (cfm)	Relative pressure	Min. Airflow	Surface Temp	Water Temp	Recessed Air	Height (ft)	Local Air	Standby grade	Control number	Control	Panel
1.P1.143		Scrubbing/linen	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central General Exhaust	0	0	Negative	None	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.143		Preparation Room	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply Air	15	0	Positive	FT	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.151		Ear Box	1	Operating Theatre Suite	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	None	0	0	NA	None	43	41	300	NA	None	A	80	Automatic Control	Bed Tray 1.45m
1.P1.152		Ulna Room (interoperative)	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central General Exhaust	0	0	Negative	None	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.153		Preparation Room	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply Air	15	0	Positive	FT	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.154		Scrubbing/linen	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central General Exhaust	0	0	Negative	None	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.155		Operating Theatre	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	25	0	Positive	FT	43	41	1200	NA	10,000 - 100,000	A	90	Switch	Bed Tray 1.45m
1.P1.156		Anaesthetic Room	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	15	15	Balance	FT	43	41	100	NA	10,000 - 100,000	A	90	Switch	Bed Tray 1.45m
1.P1.156		Dry Storage Store	1	Dry Utility	25	19	Adjustable Space Transducer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.157		Shoe Locker	1	Storage Area Equipment	25	14	Adjustable Space Transducer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.161		Dispensary	1	Dispensary	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.162		Staff Reception Office - Control Bank	1	Reception	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	6	6	Positive	FT	43	41	300	NA	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.163		DSA	1	DSA	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	100	NA	None	A	80	Automatic Control	Floor On
1.P1.164		Changing Cubicles	1	Changing Facilities	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	5	4	Positive	FT	43	41	100	NA	None	A	80	Automatic Control	Floor On
1.P1.165		Changing Cubicles	1	Changing Facilities	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	5	4	Positive	FT	43	41	100	NA	None	A	80	Automatic Control	Floor On
1.P1.167		Changing Cubicles	1	Changing Facilities	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	5	4	Positive	FT	43	41	100	NA	None	A	80	Automatic Control	Floor On
1.P1.168		WC (wheelchair accessible)	1	Toilet	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.169		WC (wheelchair accessible)	1	Toilet	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.170		Immerse the Theatre Wall	1	Waiting Room	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	5	5	Balance	FT	43	41	300	NA	None	A	80	Switch	Bed Tray 1.45m
1.P1.171		WC Staff	1	Toilet	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.172		Charge Nurse Office	1	Office - Ward Office	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	4	3	Positive	FT	43	41	400	NA	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.173		Lockin Box	1	Changing Facilities	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	5	4	Positive	FT	43	41	100	NA	None	A	80	Automatic Control	Floor On
1.P1.174		General Office	1	General Ward Office	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	4	3	Positive	FT	43	41	400	NA	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.175		Reception	1	Reception	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply Air	5	0	Positive	FT	43	41	300	NA	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.176		Consult Examination	1	Consulting Room	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	3	3	Balance	FT	43	41	300	NA	1000	A	80	Switch	Bed Tray 1.45m
1.P1.177		Consult Examination	1	Consulting Room	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	3	3	Balance	FT	43	41	300	NA	1000	A	80	Switch	Bed Tray 1.45m
1.P1.178		Hand Washing/Play Area	1	Waiting Room	25	19	Radiant Panels	Remote Sensor AH	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	5	5	Balance	FT	43	41	300	NA	None	A	80	Switch	Bed Tray 1.45m
1.P1.179		WC (wheelchair accessible)	1	Toilet	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.180		WC Accessible	1	Toilet	25	19	Adjustable Space Transducer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.183		Anaesthetic Room	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	15	15	Balance	FT	43	41	500	NA	10,000 - 100,000	A	90	Switch	Bed Tray 1.45m
1.P1.184		Anaesthetic Room	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply and Exhaust	15	15	Balance	FT	43	41	500	NA	10,000 - 100,000	A	90	Switch	Bed Tray 1.45m
1.P1.185		Scrubbing/linen	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central General Exhaust	0	0	Negative	None	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.186		Ear Box (interoperative)	1	Operating Theatre Suite	25	19	Adjustable Space Transducer Air	None	No	None	None	0	0	NA	None	43	41	300	NA	None	A	80	Switch	Bed Tray 1.45m
1.P1.187		Ulna Room (interoperative)	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central General Exhaust	0	0	Negative	None	43	41	100	NA	None	A	90	Switch	General working plane 5m
1.P1.188		Toy Wash Store	1	Storage Area Equipment	25	16	Adjustable Space Transducer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.189		Closet (Equipment)	1	Storage Area Equipment	25	16	Adjustable Space Transducer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.190		Shoe Locker	1	Storage Area Equipment	25	16	Adjustable Space Transducer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.191		Anaesthetic Room	1	Operating Theatre Suite	25	19	warm air w/ AHU	Local (AHU) Adjustable	Yes	Control (Louver) Fresh Air	Central Supply Air	15	0	Positive	FT	43	41	500	NA	None	A	90	Switch	General working plane 5m
1.P1.197		W Store	1	Storage Area Equipment	25	14	Adjustable Space Transducer Air	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.001		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.019		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.027		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.042		Combed	1	Combed	25	19	None	None	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.062		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.062A		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.062B		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.110		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.114		Combed	1	Combed	25	19	None	None	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.115		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.125		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.126		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On
1.P1.142		Combed	1	Combed	25	19	Radiant Panels	Remote Sensor AH	No	None	None	0	0	NA	None	43	41	200	NA	None	A	80	Automatic Control	Floor On

Room No	Department	Room Name	Qty	Room Function	Temp (deg F)	Temp (deg C)	Heating Type	Heating Control	Cooling (tonnage)	Cooling (deg F)	Exhaust (deg F)	Exhaust (deg F)	Relative humidity	Min. Moisture	Surface Temp	Water Temp	Humid. (lb)	Light (lux)	Local (ft)	Security grade	Control	Plans	
1 P1 150		Control	1	Control	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 156		Control	1	Control	25	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 164		Control	1	Control	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 168		Control	1	Control	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 189		Control	1	Control	20	10	None	None	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 190		Control	1	Control	20	10	None	None	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 199		Control	1	Control	20	10	None	None	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 182		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	65	65	100	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 187A		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	65	65	100	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 133B		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	65	65	100	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 191		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	65	65	100	n/a	None	A	80	Automatic Controls	Floor Dr
1 P1 182		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	None	0	0	65	65	100	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 002		IPS Room	1	IPS Room	30	10	Indirect Space Transfer Air	None	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 003		Heads Change Room with Handwash	1	Toilet	20	10	Fluorescent Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 004		General 4 Bay Wash	1	Diagnostic room	25	10	Warm Air Heated Return	EMS Adaptive Control	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 005		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 006		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 007		Toilet Bay	1	10 cubicles 10 cubicles Storage Bays	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 008		Processing Area	1	Diagnostic room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 009		Acute Reception	1	Cellular Ward Office	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Switch Damper	Desk 0.75 to 0.85m	
G-Q1 010		Examination Room	1	Diagnostic room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	15	15	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 011		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 012		General 4 Bay Wash	1	Diagnostic room	25	10	Warm Air Heated Return	EMS Adaptive Control	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 013		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 014		Examination Room	1	Diagnostic room	25	10	Warm Air Heated Return	EMS Adaptive Control	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	15	15	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 015		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 016		Screening Room (Roentgen)	1	Diagnostic room	25	10	Warm Air Heated Return	EMS Adaptive Control	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 017		Preparation Room	1	Consulting Room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 018		Uninsulated Sub Wall	1	Waiting Room	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 019		WC - wheelchair accessible	1	Toilet	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	200	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 020		Patent Interview Room	1	Meeting Room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Dry Extract	0	0	65	65	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-Q1 021		Baby Changing	1	Baby Changing	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	400	n/a	None	A	80	Switch	Floor Dr
G-Q1 022		WC - wheelchair accessible	1	Toilet	20	10	Adaptive Space Transfer Air	None	No	None	None	None	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 023		Reception Office (3 desks)	1	Cellular Ward Office	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-Q1 024		Dirty Utility	1	Dirty Utility	20	10	Adaptive Space Transfer Air	None	No	None	None	None	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 025		Radiation Waste Store	1	Storage Area Equipment	20	10	Radiant Panels	Remote Control AS	No	None	None	None	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 027		Cold Washing Area	1	Washing Room	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 029		Preparation Room	1	Consulting Room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	1000	A	80	Switch	General working plane 1m	
G-Q1 029		WC - wheelchair accessible floor	1	Toilet	20	10	Adaptive Space Transfer Air	None	No	None	None	None	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 030		General Camera Admin Office	1	Cellular Ward Office	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-Q1 031		Medical Physics Office	1	Cellular Ward Office	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-Q1 032		General Camera Restroom	1	Cellular Ward Office	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Switch	Desk 0.75 to 0.85m	
G-Q1 033		Emergency Shower	1	Bathroom	20	10	Adaptive Space Transfer Air	None	No	None	None	None	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr
G-Q1 034		Hot Water Area	1	Washing Room	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 035		Injection Room	1	Consulting Room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	1000	A	80	Switch	General working plane 1m	
G-Q1 036		Reception Area	1	Reception Bay Reception Room	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	None	A	80	Switch Damper	Bed Trolley 1.45m	
G-Q1 037		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 039		General Camera	1	Diagnostic room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	
G-Q1 042		General Camera Control Area	1	Consulting Room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	0	0	65	65	400	n/a	1000	A	80	Switch	Bed Trolley 1.45m	
G-Q1 043		Changing Cubicles	1	Changing Facilities	20	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	5	4	65	65	400	n/a	None	A	80	Automatic Controls	Floor Dr	
G-Q1 044		General Camera	1	Diagnostic room	25	10	Radiant Panels	Remote Control AS	Yes	Leaving Lobbies (Chilled Water)	Central Supply and Exhaust	10	10	65	65	400	n/a	1000	A	80	Switch Damper	General working plane 1m	

Room No	Department	Room Name	Qty	Room Function	Temp (reqd)	Temp (act)	Heating Type	Heating Control	Cooling (reqd)	Cooling (type)	Windation (type)	Supply (act)	Exhaust (act)	Relative pressure	Air filtration	Surface Temp	Water Temp	Normal Lux	Height Lux	Local Lux	Stability grade	Color render	Control	Plane	
G-01-945	Radiology	Workshop Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	0	Positive	F7	43	41	300	n.a	1000	A	B0	Switch	General working plane 1m	
G-01-944		Shield Room (unshielded work)	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	0	Balanced	F7	43	41	300	n.a	1000	A	B0	Switch	Bed, Table 1.45m	
G-01-947		HR Working Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	n.a	300	n.a	None	A	B0	Switch	4.5m Om	
RHC - wheelchair accessible (not)		1	Exam	28	18	Adjustable Transducer Air	None	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-949		RHC - wheelchair accessible (not)	1	Table	28	18	Adjustable Transducer Air	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-950		Cold Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	n.a	300	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-952		Counting Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	40	500	n.a	None	A	B0	Switch	General working plane 1m	
G-01-953		DDR	1	DDR	28	18	Adjustable Transducer Air	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	40	400	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-954		Waiting Room - 4 person	1	Waiting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Exhaust	4 people at 10 l/s per person (table)	4 people at 10 l/s per person (table)	Balanced	F7	43	n.a	300	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-955		Waiting Room - 6 person	1	Waiting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-957		Other Clinical Staff Office (7 Person)	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6	4	Positive	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-958		Acute Reporting	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	10 people at 10 l/s per person (table)	10 people at 10 l/s per person (table)	Balanced	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-959		CT Room	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water & Ceiling Supplemental Heat	Central Supply and Exhaust	15	15	Balanced	F7	43	41	300	n.a	1500	A	B0	Switch, Fancoil	General working plane 1m	
G-01-963		Disabled Toilet	1	Toilet	25	18	Adjustable Transducer Air	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-962		RHC - Patients	1	Toilet	28	18	Adjustable Transducer Air	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om	
R-01-963		Linen Bay	1	Linen Bay	28	18	Adjustable Transducer Air	None	None	None	None	None	0	0	n.a	None	100	n.a	None	A	B0	Adjustable Controls	Floor Om		
G-01-964		Reclaimable Trolley Bay	1	Centralized Equipment Storage Bay	28	18	Adjustable Transducer Air	None	None	None	None	None	0	0	n.a	None	100	n.a	200	n.a	None	A	B0	Adjustable Controls	Floor Om
G-01-966		Preparation Room	1	Consulting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply AS	10	0	Positive	F7	43	41	300	n.a	1000	A	B0	Switch	General working plane 1m	
G-01-967		Disabled Toilet	1	Toilet	25	18	Adjustable Transducer Air	None	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om
G-01-968		Toilet	1	Toilet	28	18	Adjustable Transducer Air	None	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om
G-01-969		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-970		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-971		Control Room - CT	1	Cellular - Ward Offices	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Exhaust	3	4	Positive	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-972		Imaging Receiving	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
R-01-973		Acute Reporting	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-974		Consultant Office (5 person)	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6	4	Positive	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-975		Consultant Office (5 person)	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6	4	Positive	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-976		Ultrasound Admin Office	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	4	3	Positive	F7	43	n.a	400	n.a	1000	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-977		Admin Office	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	4	3	Positive	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-978		Waiting Area - Main Dept	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	11 people at 10 l/s per person (table)	11 people at 10 l/s per person (table)	Balanced	F7	43	n.a	300	n.a	None	A	B0	Switch	Floor Om	
G-01-979		Reception	1	Reception	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply AS	4	0	Positive	F7	43	n.a	300	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-980		Waiting Area	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	10 people at 10 l/s per person (table)	10 people at 10 l/s per person (table)	Positive	F7	43	n.a	300	n.a	None	A	B0	Switch	Floor Om	
G-01-981		Diaper Storage	1	Diagnostic room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	15	15	Balanced	F7	43	41	300	n.a	1000	A	B0	Switch, Fancoil	General working plane 1m	
G-01-982		Waiting Room - 4 person	1	Waiting Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Exhaust	4 people at 10 l/s per person (table)	4 people at 10 l/s per person (table)	Balanced	F7	43	n.a	300	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-983		Prep Room	1	Cellular - Ward Offices	28	18	Adjustable Transducer Air	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	n.a	400	n.a	None	A	B0	Adjustable Controls	Desk 0.75 to 0.85m	
G-01-984		Disposal Room	1	Disposal Room	28	18	Adjustable Transducer Air	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	n.a	200	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-986		Control Room - MRI	1	Cellular - Ward Offices	28	18	Radiant Panels	Remote Sensor AS	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	4	Positive	F7	43	n.a	400	n.a	None	A	B0	Switch	Desk 0.75 to 0.85m	
G-01-988		Imaging Receiving Bay	1	Centralized Equipment Storage Bay	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	10	4	Positive	F7	43	n.a	200	n.a	None	A	B0	Switch	Floor Om	
G-01-992		MRI Room	1	Diagnostic room	25	18	Water Air Heated Radiator	SDC Radiant Control	Yes	By Specialist	Central Supply and Exhaust	18	18	Balanced	F7	43	100	300	n.a	1000	A	B0	Switch, Fancoil	General working plane 1m	
G-01-994		Sub MRI	1	Waiting Room	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	6 people at 10 l/s per person (table)	6 people at 10 l/s per person (table)	Balanced	F7	43	n.a	200	n.a	None	A	B0	Switch	Floor Om	
R-01-995		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-996		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om	
RHC - wheelchair accessible		1	Toilet	28	18	Adjustable Transducer Air	None	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	41	200	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-998		Recovery Room	1	Recovery	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	15	15	Balanced	F7	43	41	300	n.a	None	A	B0	Switch	Floor Om	
G-01-999		Equipment Room	1	Storage Area Equipment	28	18	Adjustable Transducer Air	None	None	None	None	Central Supply and Exhaust	3	3	Negative	None	100	n.a	200	n.a	None	A	B0	Adjustable Controls	Floor Om
G-01-100		Equipment Room	1	Storage Area Equipment	28	18	Adjustable Transducer Air	None	None	None	None	Central Supply and Exhaust	0	0	Negative	None	100	n.a	200	n.a	None	A	B0	Adjustable Controls	Floor Om
G-01-102		DDR	1	DDR	28	18	Adjustable Transducer Air	None	None	None	None	Central Dry Exhaust	0	10	Negative	None	100	40	100	n.a	None	A	B0	Adjustable Controls	Floor Om
G-01-103		Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om	
G-01-104	Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om		
G-01-105	Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om		
G-01-106	Changing Cubicles	1	Changing Facilities	28	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply and Exhaust	5	4	Positive	F7	43	100	100	n.a	None	A	B0	Adjustable Controls	Floor Om		
G-01-108	Injection Room	1	Treatment Room	25	18	Radiant Panels	Remote Sensor AS	Yes	Low Voltage Chilled Water	Central Supply AS	15	0	Positive	F7	43	41	300	n.a	1000	A	B0	Switch	General working plane 1m		

A4722482

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Control Strategy	Control Type	Extraction Type	Supply (l/s)	Extract (l/s)	Relative Humidity	Min. Airflow	Surface Temp	Wire Temp	Harvested	Light Level	Local Use	Security grade	Control	Notes	
G-Q1 108		Ticket	1	Ticket	20	18	Adaptive Space Transfer Air	None	No	None	General Dry Extract	0	0	Negative	None	18	41	200	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 118		MRP Room	1	Diagnostic room	25	18	Warm Air Heated Battery	MSU Adjustable Battery	Yes	By Specialist	Central Supply and Extract	18	18	Neutral	F7	43	199	300	n/a	1000	A	90	Switch Damper	General working plane 1m
G-Q1 111		Control Room MRP	1	Control Room MRP	25	18	Radiant Panels	Radiant Panels	Yes	Controlled by specialist	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 112		Clean Utility	1	Clean Utility	25	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	6	6	Positive	F7	43	n/a	150	n/a	None	A	90	Automatic Controls	General working plane 1m
G-Q1 113		Dry Utility	1	Dry Utility	25	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	18	41	200	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 114		Store Room	1	Storage Area Equipment	20	18	Radiant Panels	Heated Space Ad	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 115		Asst Waiting Area	1	Waiting Room	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	4 people at 10 l/s per person (max)	4 people at 10 l/s per person (max)	Positive	F7	43	n/a	300	n/a	None	A	90	Switch	Floor on
G-Q1 116		Waiting Area	1	Waiting Room	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	4 people at 10 l/s per person (max)	4 people at 10 l/s per person (max)	Positive	F7	43	n/a	300	n/a	None	A	90	Switch	Floor on
G-Q1 120		MRP Reporting	1	Callular Ward Office	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	4 people at 10 l/s per person (max)	4 people at 10 l/s per person (max)	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 121		Baby Ward Feeding Room	1	Baby Feeding	20	18	Radiant Panels	Heated Space Ad	No	None	Central Dry Extract	0	0	Negative	None	43	41	150	n/a	None	A	90	Switch	Floor on
G-Q1 123		MRP Room	1	Diagnostic room	25	18	Warm Air Heated Battery	MSU Adjustable Battery	Yes	By Specialist	Central Supply and Extract	18	18	Neutral	F7	43	199	300	n/a	1000	A	90	Switch Damper	General working plane 1m
G-Q1 125		Equipment Room	1	Storage Area Equipment	20	18	Adaptive Space Transfer Air	None	Yes	Four Exhausts Close Control	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 126		Recovery Area 1 public	1	Treatment Room	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	10	10	Neutral	F7	43	n/a	500	n/a	None	A	90	Switch	Bed Trolley 1.45m
G-Q1 126		WC Wheelchair accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 127		WC Wheelchair accessible & change	1	Toilet	20	18	Radiant Panels	Radiant Panels	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 128		Accessories Changing Cubicles	1	Changing Facilities	20	18	Radiant Panels	Radiant Panels	Yes	Controlled by specialist	Central Supply and Extract	5	5	Positive	F7	43	100	n/a	None	A	90	Automatic Controls	Floor on	
G-Q1 129		Accessories Changing Cubicles	1	Changing Facilities	20	18	Radiant Panels	Radiant Panels	Yes	Controlled by specialist	Central Supply and Extract	5	5	Positive	F7	43	100	n/a	None	A	90	Automatic Controls	Floor on	
G-Q1 130		Induction Area 1 place	1	Treatment Room	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	10	10	Neutral	F7	43	n/a	500	n/a	1000	A	90	Switch	Bed Trolley 1.45m
G-Q1 131		Bed 1 WC	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 132		WC Wheelchair accessible	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 133		Equipment Room MRP	1	IT equipment (server room)	20	18	None	None	Yes	IT equipment Close Control	Local General Extract	0	0	Negative	None	n/a	n/a	300	n/a	None	A	90	Switch	Floor on
G-Q1 134		MRP Room	1	Diagnostic room	25	18	Warm Air Heated Battery	MSU Adjustable Battery	Yes	By Specialist	Central Supply and Extract	18	18	Neutral	F7	43	199	300	n/a	1000	A	90	Switch Damper	General working plane 1m
G-Q1 135		Control Room (IT MRP)	1	Callular Ward Office	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 136		IT Room	1	Diagnostic room	25	18	Warm Air Heated Battery	MSU Adjustable Battery	Yes	Controlled by specialist	Central Supply and Extract	18	18	Neutral	F7	43	199	300	n/a	1000	A	90	Switch Damper	General working plane 1m
G-Q1 137		Main Reception	1	Callular Ward Office	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	10 people at 10 l/s per person (max)	10 people at 10 l/s per person (max)	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 138		Resuscitation Utility Bay	1	Circulation Equipment Storage Bay	20	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	n/a	n/a	n/a	None	A	90	Auto and Controls	Floor on	
G-Q1 139		Linen Bay	1	Linen Bay	20	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	100-150	n/a	n/a	None	A	90	Auto and Controls	Floor on	
G-Q1 140		IPS Room	1	IPS Room	20	18	Adaptive Space Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 141		Dental Room	1	Consulting Room	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	10	10	Positive	F7	43	41	300	n/a	1000	A	90	Switch	Bed Trolley 1.45m
G-Q1 142		Thermal Hood	1	Thermal Hood	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 143		Start WC	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 144		Female Staff Changing and Lockers	1	Changing Facilities	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	5	5	Positive	F7	43	41	300	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 145		Trolley Bay	1	Circulation Equipment Storage Bay	20	18	Adaptive Space Transfer Air	None	Yes	Controlled by specialist	Central Supply and Extract	10 l/s to be removed	0	Positive	F7	43	n/a	200	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 146		Shift WC	1	Toilet	20	18	Adaptive Space Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	43	41	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 148		Store Room	1	Storage Area Equipment	20	18	Radiant Panels	Heated Space Ad	No	None	Central General Extract	0	0	Negative	None	43	n/a	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 149		Recovery Room 1 public	1	Queue Plan Office	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	10 people at 10 l/s per person (max)	10 people at 10 l/s per person (max)	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 150		Male Staff Changing and Lockers	1	Changing Facilities	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	5	5	Positive	F7	43	41	300	n/a	None	A	90	Auto and Controls	Floor on
G-Q1 151		Consultant Office (5 person)	1	Callular Ward Office	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 152		Admin Office	1	Callular Ward Office	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	6	6	Positive	F7	43	n/a	400	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 153		Reception Area	1	Reception	20	18	Radiant Panels	Heated Space Ad	Yes	Controlled by specialist	Central Supply and Extract	24 people at 10 l/s per person (max)	24 people at 10 l/s per person (max)	Positive	F7	43	n/a	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m
G-Q1 154		Shielded Space	1	Shielded Space	20	18	Radiant Panels	Heated Space Ad	No	None	Central Supply and Extract	6	6	Positive	F7	43	n/a	300	n/a	None	A	90	Switch	Floor on
G-Q1 163		Trolley Bay	1	Circulation Equipment Storage Bay	20	18	Adaptive Space Transfer Air	None	No	None	None	0	0	n/a	None	175	n/a	200	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 001		Corridor	1	Corridor	20	18	Radiant Panels	Heated Space Ad	No	None	None	0	0	n/a	None	43	41	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 002A		Corridor	1	Corridor	20	18	None	None	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 002B		Corridor	1	Corridor	20	18	Radiant Panels	Heated Space Ad	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 026		Corridor	1	Corridor	20	18	None	None	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 028		Corridor	1	Corridor	20	18	Radiant Panels	Heated Space Ad	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 046		Corridor	1	Corridor	20	18	Radiant Panels	Heated Space Ad	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 051		Corridor	1	Corridor	20	18	None	None	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 056		Corridor	1	Corridor	20	18	Radiant Panels	Heated Space Ad	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 065		Corridor	1	Corridor	20	18	None	None	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on
G-Q1 065A		Corridor	1	Corridor	20	18	None	None	No	None	None	0	0	n/a	None	43	40	300	n/a	None	A	90	Automatic Controls	Floor on

A4722482

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (approx)	Cooling (type)	Hydrosystem (type)	Supply (liters)	Extract (liters)	Relative pressure	Min. Moisture	Surface Temp	Water Temp	Normal Use	High Use	Local Use	Specialty	Colour render	Control	Plans	
B 53 013		Curbin Store	1	Storage Area (Equipment)	20	18	Radiant Panels	Remote Sensor Ad	No	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 53 001		Corridor	1	Corridor	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 53 016		Corridor	1	Corridor	20	18	Radiant Panels	Remote Sensor Ad	No	None	Central Supply Air	0	0	Positive	FF	42	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 53 030		Switch Cupboard	1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	NA	None	40	18	150	18	None	A	80	Automatic Controls	Floor Dr	
B 54 001	54	Storage/holding Area	1	Storage Area Equipment	20	18	Radiant Panels	Remote sensor Ad	No	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 54 002		Malcroom	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B 54 004		Office	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B 54 005		Formal Office	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B 54 006		Clothing In	1	Cellular Ward Office	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	400	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
B 54 012		Lobby	1	Lobby	Not Controlled	Not Controlled	None	None	Yes	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
2 55 002	55	Bay for Trolley Upright	1	Custom Equipment Storage Bay	20	18	Adjustable Speed Transfer Air	None	No	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
2 55 003		OSR	1	OSR	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	40	18	100	18	None	A	80	Automatic Controls	Floor Dr	
2 55 004		Male Staff Changing Station WC & Lockers	1	Changing Facilities	20	18	Radiant Panels	Remote Sensor Ad	Yes	Central Control Fresh Air	Central Supply and Extract	0	0	Positive	FF	40	18	100	18	None	A	80	Automatic Controls	Floor Dr	
2 55 005		Female Staff Changing Station WC & Lockers	1	Changing Facilities	20	18	Radiant Panels	Remote Sensor Ad	Yes	Central Control Fresh Air	Central Supply and Extract	0	0	Positive	FF	40	18	100	18	None	A	80	Automatic Controls	Floor Dr	
2 55 011		Corridor	1	Corridor	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
2 55 016		Corridor	1	Corridor	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 003	58	BBQ Room	1	BBQ Room	25	12	Radiant Panels	Remote sensor Ad	Yes	Wall Mounted	Central Supply and Extract	4	3	Positive	FF	40	18	300	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 004		Workshop (MFG)	1	Site of Workshop	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Negative	FF	40	18	300	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 006		Staff Change	1	Changing Facilities	20	18	Radiant Panels	Remote sensor Ad	Yes	Central Control Fresh Air	Central Supply and Extract	0	0	Positive	FF	40	18	100	18	None	A	80	Automatic Controls	Floor Dr	
B 58 007		Shower	1	Bathroom	20	20	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 008		Shower	1	Bathroom	20	20	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 009		Workshop (MFG)	1	Small Workshop	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Negative	FF	40	18	300	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 010		Staff WC	1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 011		Supervisors	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 012		Library/Reading	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Wall Mounted	Central Supply and Extract	2	3	Negative	FF	40	18	400	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 013		Office	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 014		Store	1	Storage Area (Equipment)	20	18	Radiant Panels	Remote sensor Ad	Yes	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 015		Contact Manager	1	Cellular Ward Office	20	18	Radiant Panels	Remote sensor Ad	Yes	Wall Mounted	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Switch	Desk 0.75 to 0.85m	
G 58 016		Office Reception	1	Cellular Office	20	18	Electric Heater	Remote sensor Ad	No	None	Central Supply and Extract	4	3	Positive	FF	40	18	400	18	None	A	80	Switch	Desk 0.75 to 0.85m	
B 58 017		Staff WC	1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
G 58 020		Room Cleaning Equipment	1	Storage Area Equipment	20	18	Radiant Panels	Remote sensor Ad	No	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 021		Staff WC	1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
G 58 022		R/C Staff	1	Toilet	20	18	Electric Heater	Remote sensor Ad	No	None	Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
G 58 023		Chemical Store	1	Storage Area (Equipment)	20	18	Electric Heater	Remote sensor Ad	No	None	Dry Extract	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
G 58 024		Trolley Holding Bay	1	Custom Equipment Storage Bay	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 025		Trolley Holding Bay	1	Custom Equipment Storage Bay	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
B 58 026		Staff Welfare	1	Common room staff room/Storage	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	12 people at 11.1 lit per person (Warm)	12 people at 11.1 lit per person (Warm)	Balance	FF	40	18	400	18	None	A	80	Switch	Floor Dr	
B 58 017		Corridor	1	Corridor	20	18	Radiant Panels	Remote sensor Ad	No	None	None	0	0	NA	None	40	18	300	18	None	A	80	Automatic Controls	Floor Dr	
4 57 002		57	Male WC	1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	100	18	None	A	80	Automatic Controls	Floor Dr
4 57 003			Female WC	1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	100	18	None	A	80	Automatic Controls	Floor Dr
4 57 004	Male WC		1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	100	18	None	A	80	Automatic Controls	Floor Dr	
4 57 007	Deposits Hall		1	Deposits Hall	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 57 008	Storage Decontamination		1	Storage Area Equipment	20	18	Radiant Panels	Remote sensor Ad	No	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 57 009	OSR		1	OSR	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	0	Negative	None	40	18	100	18	None	A	80	Automatic Controls	Floor Dr	
4 57 010	Restaurant		1	Eating/Drinking	20	18	Radiant Panels	Remote sensor Ad	Yes	Linking Control Chilled Water	Central Supply and Extract	100 people at 11.1 lit per person (Warm)	100 people at 11.1 lit per person (Warm)	Balance	FF	40	18	300	18	None	A	80	Switch	Floor Dr	
4 57 011	WC Accommodation		1	Toilet	20	18	Radiant Panels	Remote sensor Ad	Yes	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 57 001	Corridor		1	Corridor	20	18	Radiant Panels	Remote sensor Ad	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 57 005	Corridor		1	Corridor	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 57 012	Corridor		1	Corridor	20	18	Adjustable Speed Transfer Air	None	No	None	None	0	0	NA	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 57 012	Switch Cupboard		1	Switch Cupboard	Not Controlled	Not Controlled	None	None	No	None	None	0	0	NA	None	40	18	150	18	None	A	80	Automatic Controls	Floor Dr	
B 58 011	58	Trolley Holding Bay	1	Custom Equipment Storage Bay	20	18	Radiant Panels	Remote sensor Ad	No	None	Central General Extract	0	0	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	
4 58 001		WC Accommodation	1	Toilet	20	18	Adjustable Speed Transfer Air	None	No	None	Central Dry Extract	0	10	Negative	None	40	18	200	18	None	A	80	Automatic Controls	Floor Dr	

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (max)	Cooling (min)	Humidification (type)	Supply (air flow)	Extract (air flow)	Relative Humidity	Min. illumination	Surface Temp	Water Temp	Sound (db)	Height (m)	Level (m)	Staircase grade	Control number	Control	Phase
4.12.001.01		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.002.01		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.003.02		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.004.01		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.005.01		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.006.02		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.007.02		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.008		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.009.01		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.010.02		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.011		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.012		Room	1	Room	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Automatic Controls	Floor Dr
4.12.013.02		Room Plant	1	Room Plant	Not Controlled	Not Controlled	None	None	No	None	None	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.014		Gas Store	1	Gas Store	no	no	Electric Heater	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.015.01		Plant Room 01	1	Plant Room 01	Not Controlled	Not Controlled	None	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.016.02		Plant Room 02	1	Plant Room 02	Not Controlled	Not Controlled	None	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.017.02		Plant Room 03	1	Plant Room 03	Not Controlled	Not Controlled	None	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.018.02		Plant Room 04	1	Plant Room 04	Not Controlled	Not Controlled	None	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.019.02		Plant Room 05	1	Plant Room 05	Not Controlled	Not Controlled	None	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr
4.12.020.02		Plant Room 06	1	Plant Room 06	Not Controlled	Not Controlled	None	None	No	None	Natural	0	0	no	None	no	no	100	no	None	A	00	Switch	Floor Dr

Royal Hospital for Sick Children and Department for Clinical Neurosciences - Edinburgh

RHSC / DCN RDS Environmental Matrix

Updated to incorporate Board Comments and revised accommodation schedule.

WW-XX-XX-DC-XXX-001
Rev 11

25th October 2017

Dept Code	Index
~	Cover
~	Guidance Notes
~	Room Function Reference Sheet
~	Occupancy & Equipment Load Allowances
A1 - A4	Front Door - A&E / Assessment Ward
B1	Critical Care / HDU / Neonatal Surgery
C1 - C5	RHSC In Patient Pathway / Ward Care
D1 - D10	RHSC Ambulatory Care
E1	Pod
F1	Child and Adolescent Mental Health
G2 - G3	Clinical Support
H1 - H3	Academic
I1 - I2	Facilities / Infrastructure Support Services
J1 - J2	Patient / Family Support
K1 - K2	Family Facilities
L1 - L2	DCN In Patient Pathway / Ward Care
M1 - M4	DCN Support Space
N1	DCN Out Patient Departments
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Q1	Combined Radiology
R1 - R2	Office / Admin Support Services
S1 - S7	Combined Facilities / Infrastructure Support Services
T1	Plant
U1	Shelved Space

As per
MPX-GR-022871

RDD	
Irrevocable Design Data Section 5 of Schedule Part 6	
Board	
Name	B. CURRIE
Date	12/11/17
Sign	[Redacted]
Level	B
REFER TO MH-GR-005531	
In accordance with the levels stated out in clause 4 (Type of Review and Schedule Part 6) Review Procedure: Level 1: No comment Level 2: Issue subject to Amendment as noted Level 3: Subject to amendment as noted Level 4: Error	

Brookfield MULTIPLEX	BM
Built to outperform.	
Contractor Document Review RHSC & DCN Edinburgh	
A <input type="checkbox"/> No Comments B <input checked="" type="checkbox"/> Noted subject to comments revise and resubmit within 7 business days. C <input type="checkbox"/> Rejected - revise and resubmit within 7 business days	
BM Checked by:	[Redacted]
Date:	23/11/17
Brookfield Multiplex uses a submittal process to ensure the contractor's obligations and responsibilities conform with the other Contractors and specialist subcontractors design and the project agreement, Employer's Requirements and the contract and for ensuring that there are no ambiguities, omissions, inconsistencies or errors in the documents between and among the contractor and the other project documents.	

Rev 6. The following table indicates Board Comments, initial response together with the Environmental Matrix to reflect the following Board comments

	Item	Initial Response	Feed back	Reconciliation
1	Update the Environmental Matrix shall be updated by Project Co to reflect all the rooms and room types in the proposed Facility, this should be based on an updated Schedule of Accommodation that has been commented on separately by the Board. This also needs to reflect the names and room numbers in the GSU table.	Individual room numbering being applied.	OK	Agreed
2	Include the requirements contained in the Clinical Output Specification including but not limited to the requirement that theatre temperatures are to be able to be raised to 31°C for certain operations.	We have made reference to the figure of 31°C in the Guidance Notes. 'Theatre temperatures are to be able to be raised to 31°C for certain operations.'	Temperature control in theatres is covered in the Operational Design Notes V5 14th Oct2014 for RHSC Theatres 1 & 2. Operating theatres 1-P1-032 and 1-P1-044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C within a period of 2 hours. This manual control function shall be logged in the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the elevated temperature operation. THIS HOWEVER IS NOT NOTED ANYWHERE	This statement is now incorporated within the guidance notes of the matrix
3	Measures shall be assessed, modelled and implemented to demonstrate that the internal air temperature of the following room types to reduce the temperature control from 28°C to 25°C: Treatment Rooms, Consulting Rooms, Laboratory, Physiotherapy Studio, Recovery. These room shall not exceed the maximum acceptable level of 25°C for more than 50 hours per annum	The Temp (max) column within the table has been updated to 25°C for the agreed rooms 3.1- 3.5 above.	OK	Agreed
4	Detailed proposal awaited on bedroom ventilation to achieve balanced/ negative pressure relative to corridor.	The single bedrooms have had their ensuite extract increased to achieve a balance within the room, this has been noted within the matrix.	NOTE 26 AND VENTILATION TYPE HAVE NOT BEEN ALTERED.	Refer to Matrix
5	Colour rendering all stated as 80 where certain areas should be 90	Amended.	NEEDS TO BE CHECKED FOR ALL	Refer to Matrix
6	There also need to have a consistent approach e.g. guidance notes and ED body view room stated as 28-8. bereavement suite body view room stated as 25-8	The figure of 25-8 is now reflected within the matrix.	OK	Matrix now amended. See item 7 below.
7	Further discussion is required on the minimum temperate requirement for the Body View Room.	Awaiting confirmation on this one from the client, however discussion at the meeting on the 11/11/14 was that rather than take the room temperature down to 8°C which would require specialist cooling they would look at providing a cold blanket for the body and room temperatures would be retained as a normal room.	NHSL confirm following discussion with users that the use of a cooling blanket or cooling col for the body is appropriate and therefore there is no requirement to have the room at 8 degrees and 25°C is acceptable	Matrix amended to minimum temperature of 18°C in place of 8°C.



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
1	Technical Submittal MER-XX-SL-TS-015 appears to contradict environmental note 13 by way of radiant panel controls.	Note 13 has been deleted from the matrix and Mercury's technical submittal takes precedent.	Now updated	X	X	✓
2	1-B1-010 medical gas cylinder store. SHTM 02-01 states internal cylinders stores may require mechanical ventilation, please confirm no ventilation provided.	Extract ventilation has been provided. Matrix updated and drawings where appropriate.	Now updated	X	X	✓
3	IPS room max/min temperatures stated as "Manufacturer Dependant", this is not acceptable. temperatures to be stated. Room has 3ac/h mechanical extract therefore heating type should be Adjacent space transfer air and temperatures accordingly.	Room temperatures have been added. Adjacent space transfer air added into heating type.	Now updated	X	X	✓
4A	Isolation cubicles and bedrooms are not shown with any extract ventilation.	Extract rate and note added.	Now updated	X	X	✓
4B	Gowning lobby, supply stated as "in line with SHPN 04" and extract stated as "To match total bedroom air volume". design development review required.	Note removed and extract rate added.	Now updated	X	X	✓
5	Technical Submittal MER-XX-SL-TS-015 shows room 1-B1-057 with a radiant panel which contradicts Environmental Matrix room 1-B1-057 warm air reheat battery.	The air is heated by a heater battery which is BMS controlled as per the matrix.	No action required	X	X	✓
6	Where ventilation rates 10l/s per person are stated, room occupancy to be detailed and ventilation rates calculated.	These particular areas have been designed based on occupancies, occupancy figures and ventilation rates have been added to these areas to provide clarity.	Now updated	X	X	✓
7	1-B1-063 Stated as supply air 4ac/h, extract via en-suite. This room does not have en-suite facilities.	Room extract rate added.	Now updated	X	X	✓
8	1-B1-090 has an area of 8m2 which is not stated in the matrix. PCo to populate areas.	A review will be carried out and any blank GIFA rates will be noted - Updated schedule of accommodation required for this item.	Now updated	X	X	✓
9	3-C1 2-036 review ventilation type. only showing supply when 4ac/h supply and extract.	Ventilation type note amended to incorporate extract.	Now updated	X	X	✓

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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
10	Room 1-G3-003/005/007 bathroom temperatures stated as 28 / 20 with adjacent space transfer air from area with temperatures of 28 / 18	These bathrooms have their own radiant panel	Now updated	X	X	✓
11	Similarly isolation bedroom 3-C1 4-040, temperatures stated as 28 / 21 with adjacent space transfer air from area with temperatures of 28 / 18, ventilation described as "balanced".	The adjacent area, Lobby 3-C1 4-039 is heated via heater battery and will be at least 21°C. Matrix has been updated	Now updated	X	X	✓
12	3-C1.7-003, 004, 005 supply and extract "to suit location" not acceptable	Air change rates will be noted and the "to suit location" will be removed	Now updated	X	X	✓
13	G-D2-006 supply and extract "to suit location", statement "to suit location" is not acceptable.	Air change rates will be noted and the "to suit location" will be removed.	Now updated	X	X	✓
14	Theatre ventilation stated as "in line with SHTM 03-01" correct, this is a BCR requirement. However dental surgeries are not mentioned in SHTM 03-01, I would suggest SHPN 36 part 2. The required ventilation to be designed and detailed.	In line with the SHTM 03-01 removed and air change rates added.	Now updated	X	X	✓
15	1-H2-021 is currently labelled a single bedroom but it is an isolation room, review ventilation.	This room function was RFI'd and has been designed as an isolation room (matrix has been updated).	Now updated	X	X	✓
16	1-P1-003 and 005 are bedrooms, not bathrooms.	Bathroom changed to bedroom.	Now updated	X	X	✓
17	Kitchen states DW172 dependant, actual design detail to be added.	Design details will be noted and "DW172" will be removed.	Now updated	X	X	✓
18	Complete Estates SOA areas.	A review will be carried out and any blank GIFA rates will be noted.	Now updated	X	X	✓
19	Room B-S3-002 and 005 stated in Environmental Matrix as Adjacent Space Transfer Air, however shown with radiant panel on drawing.	Matrix will be updated with radiant panel noted	Now updated	X	X	✓

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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
20	ADB code reference should be confirmed.	ADB code reference is an unnecessary column for the use of this matrix so the column will be deleted from the environmental matrix.	Now updated	X	X	✓
21	Last column not filled. What does it refer to?	This column to the IET grouping but this column has now been superseded by the categorisation document. Column will be deleted from the environmental matrix.	Now updated	X	X	✓
22	B-S3-002 & B-S4-001 can min temp be increased to 18?	Temperature will be altered to 18°C	Now updated	X	X	✓
23	Disposal hold – can min temp be reduced to 16.	Sensor could be set to 16°C rather than 18°C but the reduction to the maximum temperature from 28°C to 25°C is problematic though so if required, cooling will be need to be added - Confirmed at meeting that 28°C is to be retained.	Now updated	X	X	✓
24	During a recent PG it was made clear that due to the nature of the research being carried out in the Clinical Research Department in rooms H2-013, 014, 016 and 020 the temperature cannot at any time exceed 25°C.	Cooling has been provided in H2-014, H2-016 and H2-020. H2-013 requires cooling. Matrix has been updated to reflect this but drawing requires updating.	Environmental Matrix updated and drawing to be updated	✓	X	✓
25	Further to the recent discussion regarding hepa filtration in the isolation rooms the matrix should have been updated to reflect this.	The matrix doesn't note HEPA filter requirements but all isolation rooms have the capability of HEPA filters being installed	No action required	X	X	✓
26	G-F1 Bedrooms with 6ac/h where most bedrooms are taken as 4ac/h.	This is a CAHMS bedroom so 6 AC/H has been utilised, reference to natural ventilation will be removed.	Now updated	X	X	✓
27	B-S4-004, no supply air	Supply air reference will be added.	Now updated	X	X	✓
28	G-S6-016, Cooling - Yes, Cooling Type - None.	Comfort cooled fresh air is now noted.	Now updated	X	X	✓
29	G-Q1-007, Cooling - No, Cooling Type - Comfort cooled fresh air	Cooling note removed	Now updated	X	X	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
30	G-Q1-161, Heating type – Adjacent space transfer air, supply at 10 l/s/p positive pressure, Diagnostic rooms, "To suit location"	This room is part of corridor and shares heating and ventilation with corridor.	No action required	X	X	✓
31	G-A1-004, supply 4 ac/h extract 3 ac/h positive, different to other diagnostic rooms.	We have treated this room like an office.	No action required	X	X	✓
32	Confirm where natural ventilation, i.e. 1-B1-063/065/067	Extent of ventilation clarified on schedule	Now updated	X	X	✓
33	3-C1 3-018, supply 4 ac/h extract 3 ac/h positive, different to other offices.	Air change rates utilised are in line with cellular offices	No action required	X	X	✓
34	1-L1-005 Resus area 30m2 with extract at 3 ac/h	This room has been updated on the matrix.	Now updated	X	X	✓
35	G-A1-028/029, Resus area with central general extract with supply at 10 ac/h extract at 6 ac/h	Ventilation type for these rooms has been updated in line with design.	Now updated	X	X	✓
36	Consider absence detection to all offices, meeting rooms and node rooms.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	X	X	✓
37	1-D3-002 Circulation Equipment Storage Bays, all others are presence detection.	Automatic controls added	Now updated	X	X	✓
38	Disposal hold, LG2 recommends 200 lux	100 lux will be changed to 200 lux	Now updated	X	X	✓
39	IPS rooms normal lux stated as n/a	200 lux will be added to the matrix.	Now updated	X	X	✓

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NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
40	G-F1-028, 030, 053, 045 and 1-L1-028 are described as offices but have local lux of 1000.	Local lux figures to be removed.	Now updated	X	X	✓
41	Anaesthetic rooms, LG2 recommends local lux 1000 and Ra 80	Ra 80 has been noted in the environmental matrix and 1000 lux is for local lighting but 500 lux is for general, all as noted in the environmental matrix.	No action required	X	X	✓
42	Theatre exit bays (transfers), LG2 recommends normal lux 300 local lux not required and Ra 80	500 lux will be dropped to 300 lux, Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	X	✓
43	Preparation rooms and scrub up, LG2 does not require local lux 10,000 – 100,000, or Ra 90.	Ra 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	X	✓
44	Theatre utility rooms, LG2 recommends local lux 100 – 150 and does not require local lux 10,000 – 100,000, or Ra 90.	500 lux will be dropped to 150 lux, RA 90 will be reduced to Ra 80 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	X	✓
45	Recovery areas, LG2 does not require local lux 1000 but does recommend Ra90.	RA 80 will be increased to Ra 90 and local lux will be removed.	Environmental Matrix updated and drawings to be updated	✓	X	✓
46	Nurse/touchdown bases not shown to have night lighting, confirm this achieved by dimming	All night lighting is achieved by dimmable fittings.	No action required	X	X	✓
47	Resus trolley bay 1-D1-009 to be as other trolley bays, Ra 80 and presence detection.	1-D1-009 will be updated to reflect other trolley bays.	To be updated	X	X	✓
48	Review colour rendering, e.g. theatre suite, prep, anaesthetic, scrub utility, exit bay all Ra 80. Review consult/ examination rooms to have the higher colour rendering of Ra 90. All to be as CIBSE LG2.	RA 90 is currently shown in theatres, preparation rooms, scrub rooms, utility rooms and exit bay. Anaesthetic room will be changed to Ra90 from Ra80. We feel that the consultant room are general treatment rooms so should remain as Ra80, where Ra90 is required, it will be achieved via the examination luminaire	Environmental Matrix updated and drawings to be updated	✓	X	✓
49	No absence detection or daylight control detailed included from drawings.	The lighting control has generally been described in the matrix as either presence or switched. If this is causing confusion the reference to presence could be renamed automatic. As a general note, automatic detection has been used in all suitable areas.	No action required	X	X	✓



NHSL Reference	NHSL Comment	Response	Environmental Matrix Status	Drawing Implication	FC Comment	Post FC Comment
50	Medical location column states "See Guidance Notes" for every entry and not mentioned in those guidance notes	This has been superseded by the risk profile document which sets out the medical grouping and classification. Column has been removed.	Now updated	X	X	

Environmental Matrix - Guidance Notes

1. This workbook is prepared for the Financial Close Stage as a master reference tool to replace ADB RDS MSE Sheets for the Environmental Criteria elements as described on these sheets.
2. The services matrices are produced from the Schedule of Accommodation Sheets.
3. The design of the HVAC systems to the theatres shall be in accordance with SHM 03 01.
4. Where radiant panels are indicated in any room in these matrices, detailed design development may remove the need for these without detriment to environmental temperatures. This design development is dependent on actual room layout, i.e. whether a room is located adjacent to an external wall, ground heating floor, roof surface or is external.
5. Ventilation air change rates and the use of natural ventilation in Patient Areas shall be reviewed throughout the detail design process to ensure a maximum external temperature of 25°C (dry bulb) is not exceeded during normal occupancy. This criteria shall also apply to cellular and room plan office spaces.
6. Maximum internal temperatures listed relate to normal occupancy and Summer Design Conditions. External Summer Conditions for Category Plant Specification is per SHM 2025 Exhibit 5-4.3 1kgds 25deg C db, 19deg C wb. External Winter Conditions as per CIBSE Guide A Table A 2.2 for locality +6°C for Heat Losses and as SHM 2025 for locality +10°C for AHU Ventilation Plant design.
7. Examination lamp notes where listed are provisional. Detailed requirements for direct mobile illumination will be detailed on drawings as agreed from signed off 1:50 RDS which shall take precedence over this schedule.
8. All lighting levels are derived from CIBSE Lighting Guide LG2.
9. Colour rendering refers to CIBSE Lighting Design Guide and will be applied throughout.
TBT: Natural
TCT: Enhanced to provide close as possible match to natural light for clinical purposes.
10. Thermoelectric Mixing Devices - SHM 04 01 Guidance shall be employed for specific TRV Type wetted Area Activity.
11. Standby Lighting as per Grade A throughout.
12. The internal temperature in naturally or mechanically ventilated rooms shall not exceed the maximum temperature as listed on these Environmental Matrices provided external summer design criteria is not exceeded.
13. Not Deleted.
14. Local Control BMS Temperature Sensors for direct mineral points and chilled water casework for hotspots shall be provided with local range adjustment in +2°C of BMS Set Point. BMS set point shall be adjustable via operator user dialogue through normal FM interfaces against the internal maximum and minimum range conditions.
The department will be comfort cooled and controlled on a zonal basis.
Central AHU to be provided with blank section for future provision of humidification.
15. **Typical bedroom** - Design Criteria - SHM 03 01 Clause 2.11 - internal temperatures in patient areas should not exceed 28°C db for more than 10 hrs per year. Appendix 1 SHM 03 01 gives 18°C to 28°C (oat range). HASL however require that the maximum external design temperature should not exceed 25°C for more than 50 hrs per year.
MDU bed areas - Design Criteria - MBN 57 gives specific guidance as well as SHM 03 01 Appendix 1 for air change rates: 1 Sachr SAE 18°C to 25°C control range. Capability shall be provided but not at the summer and winter external ambient design extremes against the internal maximum and minimum range conditions.
The department will be comfort cooled and controlled on a zonal basis.
Central AHU to be provided with blank section for future provision of humidification.
16. **Final theatre recovery areas** - Design Criteria - SHM 03 01 Appendix 1 for air change rates: 1 Sachr SAE 18°C to 25°C control range. Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions.
Critical Care areas - Design Criteria - SHM 03 01 Appendix 1 for air change rates: 1 Sachr SAE 18°C to 25°C control range. Capability shall be provided but not at the summer and winter external ambient design extremes against the maximum and minimum range conditions. HASL may require specific rooms to have a Control range up to 28°C.
Central AHU to be provided with blank section for future provision of humidification.
17. Corridor ventilation may be either mechanical or where the opportunity exists natural. To be determined during detailed design with due regard to clinical functionality.
18. **Single Room WC** - SHM 03 01 Appendix 1 suggests 3 Sachr extract air change rate only. We have applied 10 Sachr extract rate to provide a more robust range of extract.
19. **Diagnostic Rooms** - X Ray, CT Scanner, MRI Scanners, Gamma Camera - air change rates listed at Sachr. Actual air change rate must be derived through room heat gain analysis and actual equipment guidance.
20. **Operating Theatre Laminar Flow UCV Requirements** - Refer to Operational Policy Documents for specific theatres which require laminar flow UCV canopy style ventilation solution.
Central AHU to be provided with blank section for future provision of humidification.
Operating Theatres 1 P1 022 and 1 P1 044 shall operate normally as detailed in the Environmental Matrix. These rooms shall be provided with a manual control to raise the temperature to 31°C db in a period of 2 hours. This manual control function shall be logged on the BMS and the temperature requirements of the Environmental Matrix shall not apply for the duration of the manual temperature operation.
21. **Small workshop Areas** - Local Extract Ventilation (LEV) unit requirements to be determined from room equipment schedules.
22. **Note that Isolation Suite ventilation solutions for this project shall follow MBN 4 Supplement 1 Section 4 Item 4.8 Guidance** i.e. A common departmental AHU shall be employed to provide supply air ventilation and shall therefore employ duty & standby fans. Isolation Rooms En Suite Extracts shall be provided with an independent Isolation Room (ole) extract ventilation system. Isolation Rooms En Suite Extracts shall be provided with either externally located 3 mtr high exchange stack in a safe location or with extract fans (H16) within a safely change housing inside the building on the suction side of the fan. Heating & Cooling the Isolation Suites shall be provided via the ventilation system.
23. **Retal Provision** - Service provisions listed are infrastructure only for future fit out by retailer. Fire detection shall be provided to assist completion.
24. **Comfort Cooled Fresh Air** - Where noted as such on the matrix, these are provided via departmental air handling plant via chilled water cooling coils.
25. **Body View Rooms** - A cooling blanket or cooling coil shall be used in this room.
26. **Arts lecture rooms (17m db)** will be treated as sealed rooms with Supply air Sachr and Extract to match to achieve a balanced pressure.
27. **Single Bedrooms** - The design philosophy for ventilation is for a mixed operation where natural wind is encouraged when has benefit both physiological with users being party in control and from an energy stand point where mechanical ventilation is partly reduced 12.5m/s. This strategy results in zero pressure differential regime within the room where supply and extract is balanced. En suite dirty extract volume flow rate has been increased to achieve a balanced ventilation system.
28. Offices have been noted as being ADL but however have the ability through the FTK system to be dimmed to 300Lux.

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (l/s)	Extract (l/s)	Relative humidity	Min. (litres)	Surface temp	Walls temp	Normal l/s	Night l/s	Local l/s	Standby grade	Control	Control	Phone	
G.41.012	Emergency Department	Reception Desk	1	Reception Desk	24	18	Active Air Supply	None	No	None	Central Dry Extract	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry	
G.41.013		Store Medical Gas Cylinders	1	Storage Area (Gas Cyl)	24	18	Active Air Supply	None	No	None	Central General Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry	
G.41.014		Reception Room	1	Reception Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	1 person at 12 l/s per person (120)	0	None	None	19	19	270	0	None	A	BT	Switch	Control working plane 1m	
G.41.015		Changing Cubicles	1	Changing Facilities	24	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	5	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry	
G.41.016		Commons / Play Room	1	Quarantine room	23	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	8	0	None	None	19	19	350	0	None	A	BT	Automatic Controls	Control working plane 1m	
G.41.017		Entry 10A	1	Entry 10A	25	18	Radon Panels	None	No	None	None	None	0	0	None	None	21	20	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.018		Workshop Room	1	Workshop	24	18	Radon Panels	None	Yes	None	Central Dry Extract	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry	
G.41.019		ICU - Intensive Care Unit	1	ICU	24	18	Active Air Supply	None	No	None	None	Central Dry Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.020		ED Laboratory	1	Laboratory	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	6	0	None	None	19	19	500	0	None	A	BT	Switch	Control working plane 1m	
G.41.021		Commons / Play Room	1	Common Room	24	18	Radon Panels	None	No	None	None	None	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.022		Bay 5	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.023		Bay 11	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.024		Bay 6	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.025		Bay 13	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.026		Staff Store	1	Staff Store	24	18	Radon Panels	None	Yes	None	Central Supply and Exhaust	4 supply at 12 l/s per person (48)	4 supply at 12 l/s per person (48)	None	None	19	19	300	0	None	A	BT	Switch	Desk 0.75m x 0.85m	
G.41.027		Clean Utility	1	Storage Area (Equipment)	24	18	Active Air Supply	None	No	None	None	Central General Exhaust	0	0	None	None	19	19	300	0	None	A	BT	Automatic Controls	Floor Wet
G.41.028		Bay 7	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.029		Bay 12	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.030		Bay 8	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.031		Bay 11	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.032		Bay 9	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.033		Store Room	1	Storage Area (Equipment)	24	18	Radon Panels	None	No	None	None	Central General Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.034		Bay 10	1	Treatment Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply Air	10	0	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m	
G.41.035		Emergency Ambulance Entrance	1	Consultation Area - General (100)	25	18	Radon Panels	None	Yes	None	None	None	0	0	None	None	19	19	200	0	None	A	BT	Automatic Controls	Floor Dry
G.41.036		Reception 1	1	Reception Bay	25	21	Radon Panels	None	Yes	None	None	Central Supply and Exhaust	15	15	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m
G.41.037		Reception 2	1	Reception Bay	25	21	Radon Panels	None	Yes	None	None	Central Supply and Exhaust	15	15	None	None	19	19	500	0	None	A	BT	Switch	Bed - 1.75m x 0.85m
G.41.038		IPS Room	1	IPS Room	24	18	Active Air Supply	None	No	None	None	Central General Exhaust	0	0	None	None	19	19	200	0	None	A	BT	Automatic Controls	Floor Dry
G.41.039		Waiting Room	1	Waiting Room	25	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	8	0	None	None	19	19	270	0	None	A	BT	Switch	Floor Dry	
G.41.040		Waiting Room	1	Commons (with staff work lounge)	24	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	5	0	None	None	19	19	300	0	None	A	BT	Switch	Floor Dry	
G.41.041		ICU - Intensive Care Unit	1	ICU	24	18	Radon Panels	None	No	None	None	Central Dry Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.042		ICU - Intensive Care Unit	1	ICU	24	18	Radon Panels	None	No	None	None	Central Dry Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.043		Commons / Play Room	1	Changing Facilities	24	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	5	0	None	None	19	19	300	0	None	A	BT	Automatic Controls	Floor Dry	
G.41.044		Staff Store	1	Staff Store	24	20	Active Air Supply	None	No	None	None	Central Dry Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.045		Waiting Area for Play Area	1	Waiting Room	24	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	10 person at 12 l/s per person (120)	0	None	None	19	19	300	0	None	A	BT	Switch	Floor Dry	
G.41.046		Bay 14	1	Reception Room	25	18	Radon Panels	None	Yes	None	None	Central Dry Exhaust	0	0	None	None	19	19	300	0	None	A	BT	Switch	Floor Dry
G.41.047		Bay 15	1	Reception Room	24	18	Radon Panels	None	Yes	None	None	Central Dry Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.048		Staff Store	1	Changing Facilities	24	18	Radon Panels	None	Yes	CO2 Control	Central Supply and Exhaust	5	0	None	None	19	19	300	0	None	A	BT	Automatic Controls	Floor Dry	
G.41.049		Staff Store	1	Staff Store	24	20	Active Air Supply	None	No	None	None	Central Dry Exhaust	0	0	None	None	19	19	270	0	None	A	BT	Automatic Controls	Floor Dry
G.41.050		Consultation Reception	1	Consultation Reception	24	18	Radon Panels	None	Yes	None	None	Central Supply and Exhaust	4	0	None	None	19	19	300	0	None	A	BT	Switch	Desk 0.75m x 0.85m
G.41.051		Senior Charge Nurse Office	1	Consultation Reception	24	18	Radon Panels	None	Yes	None	None	Central Supply and Exhaust	4	0	None	None	19	19	300	0	None	A	BT	Switch	Desk 0.75m x 0.85m

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Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (max/min)	Control Type	Installation (date)	Supply (lit/hr)	Extract (lit/hr)	Relative humidity	Min. Humidity	Surface Temp	Water Temp	Humid. (lit/hr)	Height (m)	Local hot	Standby grade	Control number	Control	Phone
G.41.053		Interim Moving Room & periphery	1	Heating Room	25	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply and Extract	6 (max) at 10.5 (min) at 10.5	6 (max) at 10.5 (min) at 10.5	Relative	77	43	41	300	1.8	None	A	80	Switch	Desk 0.75 m x 0.75 m
G.41.054		Blow-off Box	1	Top Heating	20	18	Adjustable Space Transducer	None	No	None	None	0	0	7.8	None	4.8	41	100	0.8	None	A	80	Switch	Floor Box
G.41.055		WC Staff	1	toilet	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	10	10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.056		WC	1	WC	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	0	7.8	None	4.8	41	100	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.057		Interim Moving Room & periphery	1	Chiller Ward Office	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply and Extract	6	6	7.8	None	4.8	41	300	1.8	None	A	80	Switch	Desk 0.75 m x 0.75 m
G.41.058		WC Staff	1	toilet	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.059		Server Room & Server Supplies	1	Storage Area Equipment	20	18	Adjustable Space Transducer	None	No	None	Central General Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.060		Room 2	1	Treatment Room	25	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply Air	10	0	7.8	None	4.8	41	500	0.8	None	A	80	Switch	Bed Tray 1.45m
G.41.061		Room 3	1	Treatment Room	25	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply Air	100	0	7.8	None	4.8	41	500	0.8	None	A	80	Switch	Bed Tray 1.45m
G.41.062		Room 4	1	Treatment Room	25	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply Air	10	0	7.8	None	4.8	41	500	0.8	None	A	80	Switch	Bed Tray 1.45m
G.41.063		Flurry Staff - Flurry 1	1	Flurry	25	18	Adjustable Space Transducer	None	Yes	Cooling Custom Chilled Water	Central Supply and Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Switch	Floor Box
G.41.064		Room 3	1	Treatment Room	25	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply Air	10	0	7.8	None	4.8	41	500	0.8	None	A	80	Switch	Bed Tray 1.45m
G.41.065		Blow-off Box	1	Storage Area Equipment	20	18	Adjustable Space Transducer	None	No	None	Central General Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.066		Water Sink (2 days)	1	Water Sink (2 days)	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply and Extract	0	0	7.8	None	4.8	41	300	0.8	None	A	80	Switch	Bed Tray 1.45m
G.41.067		B/C - Interim Moving Room & periphery	1	toilet	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.072		Uphol 3 Bed Bay	1	Mobile 4 Bed Bay	20	18	Adjustable Space Transducer	None	No	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.073		Centre	1	Centre	20	18	Radburn Panels	Remote Control	Yes	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.074		Centre	1	Centre	20	18	Adjustable Space Transducer	None	No	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.075		Centre	1	Centre	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central General Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.076		Centre	1	Centre	20	18	Radburn Panels	Remote Control	Yes	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.077		Shower Lobby	1	Shower Lobby	20	18	Radburn Panels	Remote Control	Yes	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.078		Switch Cabinet	1	Switch Cabinet	20	18	Radburn Panels	Remote Control	Yes	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.079		Switch Cabinet	1	Switch Cabinet	20	18	Radburn Panels	Remote Control	Yes	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.41.080		Single Room 27	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.003		Room 27 - Ensuite	1	Bathroom	20	20	Radburn Panels	Remote Control	Yes	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.004		Single Room 28	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.005		Room 28 - Ensuite	1	Bathroom	20	20	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.006		Single Room 28	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.007		Room 29 - Ensuite	1	Bathroom	20	20	Radburn Panels	Remote Control	Yes	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.008		Reception	1	Reception	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply and Extract	6 (max) at 10.5 (min) at 10.5	6 (max) at 10.5 (min) at 10.5	Relative	77	43	41	300	1.8	None	A	80	Adjustable Controls	Desk 0.75 m x 0.75 m
G.42.009		Single Room 29	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.010		Room 29 - Ensuite	1	Bathroom	20	20	Radburn Panels	Remote Control	Yes	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.011		Two Bed Room Base 2	4	Bed Room	20	18	Radburn Panels	Remote Control	Yes	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Switch	General working phone box
G.42.012		Single Room 31	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.013		Room 31 - Ensuite	1	Bathroom	20	20	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.014		Single Room 30	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.015		Room 30 - Ensuite	1	Bathroom	20	20	Radburn Panels	Remote Control	Yes	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.016		Room Bay	1	Room 30 (bay)	20	18	Adjustable Space Transducer	None	No	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.017		Single Room 0	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Central Duty Extract	Natural & Central Supply Air	4	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.018		Room 4 - Ensuite	1	Bathroom	20	20	Radburn Panels	Remote Control	Yes	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	100	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.019		Single Room 5	1	Bedroom	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Natural & Central Supply Air	6	no extract	Relative	77	43	41	100	0.8	None	A	80	Switch	Bed Tray 1.45m
G.42.020		Room 5 - Ensuite	1	Bathroom	20	20	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	Minimum 10	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.021		General Utility	1	General Utility	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	Central Supply Air	0	0	7.8	None	4.8	41	100	0.8	None	A	80	Adjustable Controls	General working phone box
G.42.022		Early Lobby	1	Early Lobby	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	0	7.8	None	4.8	41	100	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.023		WC Staff	1	toilet	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.024		WC Visitors	1	toilet	20	18	Adjustable Space Transducer	None	No	None	Central Duty Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.025		Room Bay 11 (bay)	1	Storage Area Equipment	20	18	Adjustable Space Transducer	None	No	None	Central General Extract	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box
G.42.026		Transition Room 1	1	Room Bay	20	18	Radburn Panels	Remote Control	Yes	Cooling Custom Chilled Water	None	0	0	7.8	None	4.8	41	100	0.8	None	A	80	Switch	General working phone box
G.42.027		Room Bay	1	Transition Room 1 (bay)	20	18	Adjustable Space Transducer	None	No	None	None	0	0	7.8	None	4.8	41	200	0.8	None	A	80	Adjustable Controls	Floor Box

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pre-cool)	Cooling (re-cool)	Ventilation (type)	Supply (liters)	Exhaust (liters)	Relative humidity	Max Occupancy	Surface temp	Water temp	Normal lit	Height	Lot#	Standby grade	Colour render	Control	Phase	
G.42.018	Production Acute Receiving Unit - 31 Beds	Observation Bay	1	Adm Serv Work	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural and Central Supply Air	4	no exhaust	Optimal at 50%	1	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.019		Observation Bay - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.020		Observation Bay - Toilet	1	toilet	28	18	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.021		Single Room 1	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.022		Room 1 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.031		Single Room 2	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.034		Room 2 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.035		Single Room 3	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.036		Room 3 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.037		Single Room 4	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.038		Room 4 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.039		Treatment Room	1	Treatment Room	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply Air	18	0	Positive	FF	43	41	500	0.8	1000	A	80	Switch	Red - Testing 1.45m	
G.42.040		Doing - Phys Room	1	Common room with physio lounge	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply and Exhaust	7	8	Negative	FF	43	41	220	0.8	None	A	80	Switch	Flora Drs	
G.42.041		Ward Hubcom	1	Ward Hubcom	28	18	Radiant Panels	Remote Control AS	Yes	None	Central General Exhaust	0	0	Negative	None	43	41	500	0.8	None	A	80	Switch	Central air conditioning	
G.42.042		Single Room 7	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.043		Room 7 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.044		Single Room 8	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply and Exhaust Air	4	0	Negative	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.045		Room 8 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.046		Bay 2	1	Multi-bed wards	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural and Central Supply Air	4	no exhaust	Optimal at 50%	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.047		Bay 2 - Toilet	1	toilet	28	18	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.048		Bay 2 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.049		Touchdown Base 3	1	off base	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	0	None	43	41	200,300	0.8	1000	A	80	Switch Damper	Central working plane 1m	
G.42.050		Single Room 9	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.051		Room 9 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.052		Single Room 10	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.053		Room 10 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.054		Bay 1	1	Multi-bed wards	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural and Central Supply Air	4	no exhaust	Optimal at 50%	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.055		Bay 1 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.056		Bay 1 - Toilet	1	toilet	28	18	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.058		Single Room 11	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.059		Room 11 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.060		Single Room 12	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.061		Room 12 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.062		WC Sign	1	toilet	28	18	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.063		Comm Bay 1 - Toilet	1	Storage Area Equipment	28	18	Adm Serv Work	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.064		Store - Equipment	1	Storage Area Equipment	28	18	Adm Serv Work	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.065		Single Room 13	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.066		Room 13 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.067		Single Room 14	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.068		Room 14 - Ensuite	1	Bathroom	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.069		Touchdown Base 4	1	off base	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply Air	18	0	Positive	FF	43	41	200,300	0.8	1000	A	80	Switch Damper	Central working plane 1m	
G.42.070		Single Room 15	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Natural & Central Supply Air	4	no exhaust	Balanced	FF	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m	
G.42.071		Room 15 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.072		Single Room 17	1	Isolation Room	28	21	Adm Serv Work	Local EMSA Actuator Service	Yes	Control Control (Chilled Water)	Supply all beds	10	12	at the supply	Balanced	FFH	43	41	120	5	300	A	80	Switch Damper	Red - Testing 1.45m
G.42.073		Room 17 - Ensuite	1	Isolation Room	28	20	Adm Serv Work	None	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.074		Room 17 - Lobby	1	Isolation Lobby	28	21	Adm Serv Work	Adjustable	Yes	Supply Control (Chilled Water)	Central Supply	18	0	Positive	FFH	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.075		Store - General	1	Storage Area Equipment	28	18	Adm Serv Work	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	220	0.8	None	A	80	Alarm on Controls	Flora Drs	
G.42.076		Patients Attached Bedrooms	1	Bedroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Duty Extract	0	0	Negative	None	43	41	220	0.8	None	A	80	Switch	Flora Drs	
G.42.077	Phys Diagnostic Office	1	Phys Diagnostic Room A-Phys	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply and Exhaust	9	4	Positive	FF	43	41	300	0.8	None	A	80	Alarm on Controls	Desk 0.75 to 0.85m		
G.42.078	Senior Charge Nurse Office	1	General Ward Office	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply and Exhaust	9	5	Positive	FF	43	41	300	0.8	None	A	80	Switch	Desk 0.75 to 0.85m		
G.42.079	On Call Charge Nurse Office	1	General Ward Office	28	18	Radiant Panels	Remote Control AS	Yes	Supply Control (Chilled Water)	Central Supply and Exhaust	9	5	Positive	FF	43	41	300	0.8	None	A	80	Switch	Desk 0.75 to 0.85m		

Room No	Department	Room Name	Qty	Room Function	Temp (year)	Temp (week)	Heating Type	Heating Control	Cooling (year)	Cooling Type	Ventilation Type	Supply (liters/hr)	Extract (lit/hr)	Relative humidity	Min. Illuminance	Surface Temp	Water Temp	Normal Use	Height (m)	Local Use	Staircase	Colour code	Control	Plans	
0.42 080		DGR	1	DGR	28	18	Radon Panels	None	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
0.42 081		Control Room Office	1	Control Room Office	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	2	3	Positive	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
0.42 082		Exposure HAD	1	Exposure HAD	28	18	Radon Panels	None	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
0.42 083		Physics Interview Room	1	Meeting Room	25	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (Max)	6 people at 10 l/s per person (Max)	Relative Humidity	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
0.42 084		Dist. Lobby	1	Dist. Lobby	28	18	Advanced Supply Transpire Air	None	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
0.42 091		Control	1	Control	28	18	Radon Panels	Remote Control	No	None	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry
0.42 092		Control	1	Control	28	18	Radon Panels	Remote Control	No	None	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry
0.42 095		Control	1	Control	28	18	Advanced Supply Transpire	None	No	None	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry
0.42 096		Switch Cupboard	1	Switch Cupboard	Not Connected	Not Connected	None	None	No	None	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry
0.42 098		Switch Cupboard	1	Switch Cupboard	Not Connected	Not Connected	None	None	No	None	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry
0.42 099	Switch Cupboard	1	Switch Cupboard	Not Connected	Not Connected	None	None	No	None	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
0.43 001	A3 PAU Emergency Radiology Shared Support	Staff Room	1	Common room Staff work lounge	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	6	6	Negative	17	13	18	300	1.8	None	A	80	Switch	Floor Dry	
0.43 002		Service & Storage Room	1	Meeting Room	25	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	22 people at 10 l/s per person (Max)	22 people at 10 l/s per person (Max)	Relative Humidity	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
0.43 004		Locker	1	Locker	18	22	Radon Panels	Remote Control	No	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
0.43 005		Switch Cupboard	1	Switch Cupboard	Not Connected	Not Connected	None	None	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 002	A3 PAU Emergency Radiology Shared Support	Recovery Equipment Store	1	Storage Area Equipment	28	18	Advanced Supply Transpire Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 003		Staff Room	1	Common room Staff work lounge	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	6	6	Negative	17	13	18	300	1.8	None	A	80	Switch	Floor Dry	
1.81 004		Service Change Hand Office	1	Control Room Office	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	2	3	Positive	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
1.81 005		WC Staff	1	Toilet	28	18	Advanced Supply Transpire Air	None	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 006		WC Staff	1	Toilet	28	18	Advanced Supply Transpire Air	None	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 007		Equipment Service Room	1	Small Workshop	21	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	4	4	Negative	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
1.81 008		IPS Room	4	IPS Room	30	18	Advanced Supply Transpire Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 009		Bay 1	1	Multimed Ward	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Natural and Central Supply Air	4	7	positive	17	13	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 010		Dist. Corridor Store	1	Storage Area Med Gas	28	18	Advanced Supply Transpire Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 011		Multimed Ward Area (PC)	1	Multimed Ward Area	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	6	4	Positive	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
1.81 012		Staff Store 1	1	Control Room Office	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	2	3	Positive	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
1.81 014		Recovery Trolley Bay	1	Recovery Equipment Storage Bay	28	18	Advanced Supply Transpire Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 015		Lobby 5	1	Isolation Lobby	28	21	Warm Air - Remote Barriers	Adjustable	Yes	Common Control Fresh Air	Central Supply	50	40	Positive	17.6	16	18	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 016		Single Room 5 Isolation	1	Isolation Bedroom	26	21	Advanced Supply Transpire Air	SHU Adjustable Supply	Yes	Common Control Fresh Air	Supply via lobby	10	10	balanced	17.6	16	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 017		Single Room 6 Isolation	1	Isolation Bedroom	28	21	Advanced Supply Transpire Air	SHU Adjustable Supply	Yes	Common Control Fresh Air	Supply via lobby	16	16	balanced	17.6	16	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 018		Lobby 6	1	Isolation Lobby	28	21	Warm Air - Remote Barriers	Adjustable	Yes	Common Control Fresh Air	Central Supply	55	40	Positive	17.6	16	18	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 019		Single Room 7	1	Bedroom	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply & Extract	4	4	balanced	17	13	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 020		Single Room 7	1	Bedroom	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply & Extract	4	4	balanced	17	13	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 021		Single Room 8	1	Bedroom	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply & Extract	4	4	balanced	17	13	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 023		Staff Store 2	1	Control Room Office	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply and Extract	2	3	Positive	17	13	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m	
1.81 024		Recovery Trolley Bay	1	Recovery Equipment Storage Bay	28	18	Advanced Supply Transpire Air	None	No	None	None	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 025		Lobby 10	1	Isolation Lobby	28	21	Warm Air - Remote Barriers	Adjustable	Yes	Common Control Fresh Air	Central Supply	42	40	Positive	17.6	16	18	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 026		Single Room 10 Isolation	1	Isolation Bedroom	26	21	Advanced Supply Transpire Air	SHU Adjustable Supply	Yes	Common Control Fresh Air	Supply via lobby	10	10	balanced	17.6	16	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 027		Clean Lobby	1	Clean Lobby	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply Air	6	0	Positive	17	13	18	300	1.8	None	A	80	Automatic Controls	General working plane 1m	
1.81 028		Recovery Trolley Bay	1	Recovery Equipment Storage Bay	28	18	Advanced Supply Transpire Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 029		Clean Lobby	1	Clean Lobby	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	None	None	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry
1.81 030		Bay 1 (1 Trolley)	1	Bay	28	18	Advanced Supply Transpire	None	No	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 031		Bay 2	1	Multimed Ward	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply & Extract	4	1.6	positive	17	13	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m	
1.81 032		Patients Approved Bedroom	1	Bedroom	28	20	Radon Panels	Remote Control	No	None	Central DCH Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Switch	Floor Dry	
1.81 033		Lobby 16	1	Isolation Lobby	28	21	Warm Air - Remote Barriers	Adjustable	Yes	Common Control Fresh Air	Central Supply	45	40	Positive	17.6	16	18	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 034		Lower Bay (1 Trolley)	1	Lower Bay	28	18	Advanced Supply Transpire	None	No	None	None	0	0	0	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 035		Recovery Trolley Bay	1	Recovery Equipment Storage Bay	28	18	Advanced Supply Transpire Air	None	No	None	Central General Extract	0	0	Negative	None	18	10	300	1.8	None	A	80	Automatic Controls	Floor Dry	
1.81 036	Single Room 16 Isolation	1	Isolation Bedroom	26	21	Advanced Supply Transpire Air	SHU Adjustable Supply	Yes	Common Control Fresh Air	Supply via lobby	10	10	balanced	17.6	16	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m		
1.81 037	Single Room 17	1	Bedroom	28	18	Radon Panels	Remote Control	Yes	Water Cooling Chilled Water	Central Supply & Extract	4	4	balanced	17	13	18	300	1.8	None	A	80	Switch	Bed Tray 1.45m		

Room No.	Department	Room Name	On	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Year/Season (type)	Supply (cfm)	Exhaust (cfm)	Relative Humidity	Min. Stratification	Surface Temp	Water Temp	Natural Gas	Light Lux	Local Gas	Standby grade	Control vendor	Control	Flame
101-075	B1 HCU and HCU's 24 Bldgs	Staff Base 2	1	Staff Base	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	4	3	Negative	None	43	43	200-300	0.5	None	A	80	Switch Dedicated	General working plane hrs
101-076		Reculation Truck Bay	1	Reculation equipment Storage Bay	25	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	7	3	Negative	None	43	43	275	0.5	None	A	80	Automatic Controls	Floor On
101-077		Chem Lab 1	1	Chem Lab	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply Air	6	8	Positive	43	43	150	0.5	None	A	80	Automatic Controls	General working plane hrs	
101-078		Manufacturing by Wash Area HCU	1	Manufacturing by Wash Area	25	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	4	4	Positive	43	43	430	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-079		Laboratory	1	Laboratory	25	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	8	8	Balanced	43	43	520	0.5	None	A	80	Switch	General working plane hrs	
101-080		IPS Room	1	IPS Room	31	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	200	0.5	None	A	80	Automatic Controls	Floor On
101-081		Over-Pressure Room	1	Over-Pressure Room	25	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	3 people at 10 10 people at 15 10 people at 20	3 people at 10 10 people at 15 10 people at 20	Positive	43	43	300	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-082		Store - Equipment	1	Storage Area Equipment	25	18	Radiant Panels	Remote Control AS	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On
101-083		Family Resource Room	1	Meeting Room	25	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	3 people at 10 10 people at 15 10 people at 20	3 people at 10 10 people at 15 10 people at 20	Positive	43	43	370	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-084		Office Conference	1	Office - Meeting Office	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	4	Positive	43	43	300	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-085		Reception Desk	1	Office - Ward Office	24	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	4	Positive	43	43	300	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-086		Bar Supplies Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	3	Negative	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On
101-087		Data Manager & Operations Phone - Reception	1	Office - Ward Office	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	4	Positive	43	43	300	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-088		Waiting Area - Visitors	1	Waiting Room	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	5	5	Balanced	43	43	300	0.5	None	A	80	Switch	Floor On	
101-089		W/C - Wheelchair accessible	1	Restroom	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	200	0.5	None	A	80	Automatic Controls	Floor On
101-090		X-Ray Procedures	1	Diagnostic room	22	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	8	8	Balanced	43	43	370	0.5	None	A	80	Switch Dedicated	General working plane hrs	
101-091		Medical X-Ray Laboratory	1	Laboratory Equipment Storage Bay	25	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	0	Positive	43	43	270	0.5	None	A	80	Automatic Controls	Floor On	
101-092		Cardiac Lab LCC Bldg	1	Laboratory Equipment Storage Bay	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On
101-093		Cardiac Lab Room	1	Meeting Room	25	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	10 people at 10 10 people at 15 10 people at 20	10 people at 10 10 people at 15 10 people at 20	Positive	43	43	370	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-094		Operational Map	1	Operational Map	25	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	270	0.5	None	A	80	Automatic Controls	Floor On
101-095		W/C - Staff	1	Restroom	25	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On
101-096		Bas 3	1	Basement	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	4	3	Positive	43	43	170	0.5	200	A	80	Switch Dedicated	Basement - 1.85m	
101-097		Chem Lab 2	1	Chem Lab	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	8	Negative	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On
101-098		Reception Desk 4	1	Reception Desk	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	4	4	Balanced	43	43	430	0.5	300	A	80	Switch Dedicated	Basement - 1.85m	
101-099		Chem Lab 3	1	Chem Lab	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	5	5	Positive	43	43	150	0.5	None	A	80	Automatic Controls	General working plane hrs	
101-100		Medical Gas Store	1	Storage Area Medical Gas	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	6	Negative	None	43	43	200	0.5	None	A	80	Automatic Controls	Floor On
101-101		Baby Area - Pediatric Room	1	Baby Room	24	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	10	Negative	None	43	43	100	0.5	None	A	80	Switch	Floor On
101-102		Staff Base 4	1	Office - Ward Office	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	4	4	Positive	43	43	300	0.5	None	A	80	Switch	Deck 0.75 to 0.85m	
101-103		Reculation Truck Bay	1	Laboratory Equipment Storage Bay	28	18	Adjustable Ceiling Tumble Bar	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On
101-104		Pharmacy - Exam & Store	1	Storage Area Equipment	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	4	4	Positive	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-105		Pharmacy - Exam	1	Pharmacy	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	6	8	Negative	None	43	43	320	0.5	None	A	80	Switch	Floor On
101-106		Reception Desk 2 - Entrance	1	Reception	28	20	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	0	10	Negative	None	43	43	270	0.5	None	A	80	Automatic Controls	Floor On
101-107		Reception Desk 2	1	Reception	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Reception & Central Supply Air	4	4	Positive	43	43	170	0.5	300	A	80	Switch Dedicated	Basement - 1.85m	
101-108		OSR	1	OSR	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	6	Negative	None	43	43	170	0.5	None	A	80	Automatic Controls	Floor On
101-109	Reception Desk 1 - Entrance	1	Reception	28	20	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply Air	4	0	Positive	43	43	380	0.5	None	A	80	Switch	Basement - 1.85m		
101-110	Reception Desk 1 - Entrance	1	Reception	28	20	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	10	Negative	None	43	43	200	0.5	None	A	80	Automatic Controls	Floor On	
101-111	W/C - Reception	1	Restroom	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	3	Negative	None	43	43	270	0.5	None	A	80	Automatic Controls	Floor On	
101-112	Reception Desk 2 - Entrance	1	Reception	28	20	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply Air	6	4	Positive	43	43	180	0.5	None	A	80	Switch	Basement - 1.85m		
101-113	Reception Desk 2 - Entrance	1	Reception	28	20	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	10	Negative	None	43	43	270	0.5	None	A	80	Automatic Controls	Floor On	
101-114	Reception Desk 3 - Entrance	1	Reception	28	18	Radiant Panels	Remote Control AS	Yes	Water Cooled Fan Coil	Central Supply and Exhaust	6	8	Negative	None	43	43	370	0.5	None	A	80	Switch	Floor On	
101-115	Reception Desk 4 - Entrance	1	Reception	28	18	Adjustable Ceiling Tumble Bar	None	No	None	Central Supply and Exhaust	0	6	Negative	None	43	43	170	0.5	None	A	80	Automatic Controls	Floor On	
101-116	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	270	0.5	None	A	80	Automatic Controls	Floor On	
101-117	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-118	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-119	Combiner	1	Combiner	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-120	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-121	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-122	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-123	Combiner	1	Combiner	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-124	Combiner	1	Combiner	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-125	Combiner	1	Combiner	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	
101-126	Combiner	1	Combiner	28	18	None	None	No	None	None	0	0	None	None	43	43	250	0.5	None	A	80	Automatic Controls	Floor On	

Room No	Department	Room Name	Qty	Room Function	Floor (height)	Floor (level)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (sq ft)	Exhaust (sq ft)	Return (pressure)	Min. Airflow	Surface Temp.	Warm Temp.	Humid. (gr)	Height (ft)	Lot of (ft)	Slab/grd (grade)	Colour (code)	Control	Phone		
1-81-008		Corridor	1	Corridor	28	18	None	None	No	None	None	0	0	0	N/A	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
1-81-087		Corridor	1	Corridor	28	18	Radiant Panels	Remote Control	Yes	None	None	0	0	0	N/A	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
1-81-088		Corridor	1	Corridor	28	18	Radiant Panels	Remote Control	Yes	None	None	0	0	0	N/A	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
1-81-089		Swim Chubbard	1	Swim Chubbard	100	100	None	None	No	None	None	0	0	0	N/A	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1000		ITS Room	1	ITS Room	33	18	Adjustable Radiant Panels	None	No	None	Central General Exhaust	0	0	0	Negative	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1001		Server Change Room Office	1	Corridor - Ward Office	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	0	0	0	Positive	77	77	N/A	300	N/A	None	A	80	Switch	Desk @ 25 x 10 ft	
3-C1-1001		Single Room 4 (Transitional Care Bed)	1	Isolation Bedroom	28	21	Adjustable Radiant Panels	None	Yes	Variable Speed Fan	Central Supply and Exhaust	10	10	10	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1001		Room 4 - Ensuite	1	Bathroom	28	21	Adjustable Radiant Panels	None	Yes	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1001		Room 4 - Lobby	1	Isolation Lobby	28	21	Adjustable Radiant Panels	None	Yes	Variable Speed Fan	Central Supply	48	0	0	Positive	77	77	N/A	200	N/A	None	A	80	Switch	None	
3-C1-1001		Ward 4B	1	Isolation Subsequent Storage Room	28	18	Adjustable Radiant Panels	None	No	None	None	0	0	0	N/A	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1001		Waiting Room	1	Corridor - north stair room (entrance)	28	18	Radiant Panels	Remote Control	Yes	None	Central Supply and Exhaust	8	8	8	Negative	77	77	N/A	300	N/A	None	A	80	Switch	None	
3-C1-1001		Single Room 5 (Transitional Care Bed)	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8	8	8	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1010		Room 5 - Ensuite	1	Bathroom	29	20	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1011		Touchdown Room 2	1	Staff Base	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	1 person at 100 cfm per person	0	0	0	Positive	77	77	N/A	200-300	N/A	None	A	80	Switch	General working plane 10'
3-C1-1011		Phone Bay	1	Ensuite Lobby Area	28	18	Adjustable Radiant Panels	None	No	None	None	0	0	0	N/A	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1011		Single Room 6 (Transitional Care Bed)	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8	8	8	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1011		Room 5 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1011		Single Room 7 (Transitional Care Bed)	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8	8	8	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1011		Room 7 - Ensuite	1	Bathroom	29	20	Radiant Panels	Remote Control	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1011		NSR	1	NSR	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1011		Bay 2 (Beds 15-18)	1	Multi-bed Room	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8	8	8	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1011		Bay 2 - Ensuite	1	Bathroom	28	20	Radiant Panels	Remote Control	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1011		Bay 2 - Toilet	1	Toilet	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1021		Drug - Pharmacy	1	Drug Pharmacy	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8 person at 100 cfm per person	0	0	0	Negative	77	77	N/A	300	N/A	None	A	80	Switch	None
3-C1-1022		Store - Equipment	1	Storage Area - Equipment	28	18	Radiant Panels	Remote Control	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1023		Ward 4B	1	Ward 4B	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	0	0	0	Negative	None	N/A	N/A	200	N/A	None	A	80	Switch	General working plane 10'	
3-C1-1023		Lower Bay 1 - Trolley	1	Lower Bay	28	18	Adjustable Radiant Panels	None	No	None	None	0	0	0	N/A	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1023		Store - General	1	Storage Area - Equipment	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1023		WC - Staff	1	Toilet	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1023		WC - Staff	1	Toilet	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1023		Chemical Room	1	Equipment Room	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1023		Middle Bay 1 (Lobby/Entrance Bay)	1	ENTRANCE Lobby	28	18	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1030		SHAIS Outpatient Office	1	SHAIS Outpatient Office Area	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8	8	8	Positive	77	77	N/A	300	N/A	None	A	80	Switch	Desk @ 25 x 10 ft	
3-C1-1031		Reception - Staff Base	1	Reception	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply	1 person at 100 cfm per person	0	0	0	Positive	77	77	N/A	300	N/A	None	A	80	Switch	Desk @ 25 x 10 ft
3-C1-1032		Room 20 - Waiting	1	Isolation Lobby	28	21	Warm Air - Radiant Panels	Adjustable	Yes	Variable Speed Fan	Central Exhaust	8	8	8	Positive	77	77	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1032		Single Room 21	1	Isolation Bedroom	28	21	Adjustable Radiant Panels	None	Yes	Variable Speed Fan	Central Supply and Exhaust	10	10	10	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1032		Room 21 - Ensuite	1	Bathroom	28	21	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1032		Room 21 - Lobby	1	Isolation Lobby	28	21	Warm Air - Radiant Panels	Adjustable	Yes	Variable Speed Fan	Central Supply	38	0	0	Positive	77	77	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1032		Single Room 20	1	Isolation Bedroom	28	21	Adjustable Radiant Panels	None	Yes	Variable Speed Fan	Central Supply and Exhaust	10	10	10	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1032		Room 20 - Ensuite	1	Bathroom	28	20	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1032		Touchdown Room 1	1	Staff Base	28	18	Radiant Panels	Remote Control	No	None	Central Supply and Exhaust	8 person at 100 cfm per person	0	0	0	Negative	77	77	N/A	200-300	N/A	None	A	80	Switch	General working plane 10'
3-C1-1032		Room 19 - Lobby	1	Isolation Lobby	28	21	Warm Air - Radiant Panels	Adjustable	Yes	Variable Speed Fan	Central Supply	38	0	0	Positive	77	77	N/A	200	N/A	None	A	80	Automatic Controls	None	
3-C1-1040		Single Room 19	1	Isolation Bedroom	28	21	Adjustable Radiant Panels	None	Yes	Variable Speed Fan	Central Supply and Exhaust	10	10	10	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1041		Room 19 - Ensuite	1	Bathroom	28	20	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1042		Lower Lobby	1	Lower Lobby	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply	8	8	8	Positive	77	77	N/A	150	N/A	None	A	80	Automatic Controls	General working plane 10'	
3-C1-1043		Treatment Room	1	Treatment Room	35	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply	10	0	0	Positive	77	77	N/A	100	N/A	None	A	80	Switch	Bed - 3'x6' x 4 1/2'	
3-C1-1044		Day Lobby	1	Day Lobby	30	15	Adjustable Radiant Panels	None	No	None	Central Exhaust	0	0	0	Negative	None	N/A	N/A	100	N/A	None	A	80	Automatic Controls	None	
3-C1-1045		Touchdown Room 3	1	Staff Base	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply	8 person at 100 cfm per person	0	0	0	Positive	77	77	N/A	200-300	N/A	None	A	80	Switch	General working plane 10'
3-C1-1046		Bay 2 (Beds 19-18 and 13)	1	Multi-bed Room	28	18	Radiant Panels	Remote Control	Yes	Variable Speed Fan	Central Supply and Exhaust	8	8	8	Negative	77	77	N/A	100	5	20'	A	80	Switch	Bed - 3'x6' x 4 1/2'	

Medical Equipment
23 Beds

Room No.	Department	Room Name	Qty	Room Function	Temp (degF)	Temp (degC)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (cfm)	Exhaust (cfm)	Return pressure	No. litrons	Surface temp	Water temp	Normal Ice	Height (ft)	Local Ice	Standby grade	Carbon monoxide	Control	Alarm
3-C1-1502	Surgical Long Stay (rooms 1-15) 800	Bay 1 - Toilet	1	Toilet	29	16	Active and Under Transm Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1503		Bay 1 - En suite	1	Bedroom	24	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1504		Pattern Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Floor On
3-C1-1505		Pattern Assisted Room	1	Nursing Room	25	16	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Central Supply and Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Control working please Drs
3-C1-1506		Pattern Assisted Room 2	1	Nursing Room	29	16	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Central Supply and Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Control working please Drs
3-C1-1507		Single Room 8	1	Bedroom	25	16	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	150	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1508		Room 9 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1509		Single Room 8	1	Bedroom	28	19	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	150	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1510		Room 8 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1511		Single Room 3	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1512		Room 3 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1513		Single Room 1	1	Bedroom	29	16	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Central Supply and Exhaust	0	0	Negative	None	43	41	150	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1514		Room 1 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1515		Single Room 2	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1516		Room 2 - En suite	1	Bedroom	28	24	Adjustable Under Transm Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1517		Touchdown Base 3	1	Nursing Room	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	None	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Control working please Drs
3-C1-1518		Single Room 24	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1519		Room 24 - En suite	1	Bathroom	29	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1520		Single Room 23	1	Bedroom	29	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1521		Room 23 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1522		Single Room 22	1	Bedroom	29	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1523		Room 22 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1524		Single Room 21	1	Bedroom	29	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1525		Room 21 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1526		CC - lockers	1	Toilet	29	16	Adjustable Under Transm Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1527		Comdx	1	Comdx	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1528		Comdx	1	Comdx	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1529		Search Cabinet	1	Search Cabinet	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1530		Single Room 9	1	Bedroom	29	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1531		Room 10 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1532		Lower Bay	1	Lower Bay	29	16	Adjustable Under Transm	None	No	None	None	0	0	Negative	None	43	41	100-1400	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1533		Single Room 11	1	Bedroom	29	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1534		Room 11 - En suite	1	Bathroom	29	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1535		Single Room 12	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1536		Room 12 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1537		Touchdown Base 1	1	Nursing Room	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Central Supply and Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Control working please Drs
3-C1-1538		Single Room 13	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1539		Room 9 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1540		En suite	1	En suite	28	18	Adjustable Under Transm Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1541		OSR	1	OSR	28	18	Adjustable Under Transm Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1542		Single Room 14	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1543		Room 14 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1544		Heart Box	1	Operational equipment storage	28	16	Adjustable Under Transm	None	No	None	None	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On
3-C1-1545		Pattern Assisted Bathroom	1	Bathroom	28	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Floor On
3-C1-1546		Single Room 15	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m
3-C1-1547	Room 15 - En suite	1	Bathroom	29	20	Radiant Panels	Remote Control AS	Yes	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On	
3-C1-1548	Single Room 16	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse & Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m	
3-C1-1549	Room 15 - En suite	1	Bathroom	28	20	Adjustable Under Transm Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On	
3-C1-1550	Touchdown Base 2	1	Nursing Room	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	None	0	0	Negative	None	43	41	200	6.5	None	A	80	Switch	Control working please Drs	
3-C1-1551	Bay 2 (Beds 5-8)	1	Multi bed En suite	28	18	Radiant Panels	Remote Control AS	Yes	Cooling Unit with Chilled Water	Nurse and Central Supply Air	4	0	Negative	None	43	41	120	5	300	A	80	Switch	Bed - En suite 1.45m	
3-C1-1552	Bay 2 - Toilet	1	Toilet	28	18	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On	
3-C1-1553	Bay 1 - En suite	1	Bathroom	28	20	Radiant Panels	Remote Control AS	No	None	Central Daily Exhaust	0	0	Negative	None	43	41	200	6.5	None	A	80	Alarm All Controls	Floor On	

Room No	Department	Room Name	Qty	Room Function	Floor Area	Floor Level	Heating Type	Heating Control	Cooling (direct)	Cooling (indirect)	Exhaustion (type)	Supply (air lit)	Exhaust (air lit)	Response pressure	Min. temperature	Surface temp	Water temp	Normal Use	Height (m)	Local Use	Shading grade	Colour number	Control	Alarm	
D 01 020	RISC Main Department	Consulting Room 8	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 021		Consulting Room 9	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 022		Consulting Room 11	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 023		Consulting Room 10	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 024		Physical Measurement	1	Consulting Room	25	18	Radon Panels	Remote Control AS	No	None	None	0	0	0	None	41	41	320	18	1000	A	80	Switch	General working plane 1m	
D 01 024		Food Preparation Room	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	2 people at 1.5 per person (1.5m)	2 people at 1.5 per person (1.5m)	Return	17	43	41	320	18	1000	A	80	Switch	General working plane 1m	
D 01 025		Washing Area (no separate shower from Room)	1	Washing Room	25	18	Underfloor Heating	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	0	0	0	Return	17	43	41	320	18	None	A	80	Switch	Flora 0m
D 01 026		Baby Room - Feeding Room	1	Baby Feeding	28	18	Radon Panels	Remote Control AS	No	None	DRY Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m	
D 01 030		Supply Change	1	Waste Change	28	18	Radon Panels	Remote Control AS	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m	
D 01 031		Equipment - Camera Store	1	Storage Area Equipment	28	18	Radon Panels	Remote Control AS	No	None	Local General Exhaust	0	0	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 032		WC (no hot water supply)	1	Toilet	28	18	Radon Panels	Remote Control AS	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 033		Photometry Room	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	2 people at 1.5 per person (1.5m)	2 people at 1.5 per person (1.5m)	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 034		Mobile Food Box	1	Waste Area Equipment Storage Box	28	18	Radon Panels	None	No	None	None	0	0	0	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 035		Chemical Store	1	Storage Area	28	18	Radon Panels	Remote Control AS	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 036		Physical Measurement	1	Consulting Room	25	18	Radon Panels	Remote Control AS	No	None	None	0	0	0	None	43	41	320	18	1000	A	80	Switch	General working plane 1m	
D 01 037		Reception	1	Reception	28	18	Underfloor Heating	DRY Exhaust	Yes	ceiling lights (200W)	Central Supply and Exhaust	2 people at 1.5 per person (1.5m)	2 people at 1.5 per person (1.5m)	Return	17	43	41	320	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
D 01 038		Staff WC	1	Toilet	28	18	Underfloor Heating	Remote Control AS	No	None	None	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 040		Staff Office 3 (shared)	1	Conf. Room Offices	28	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	3	Positive	17	43	41	320	18	None	A	80	Automatic Controls	Desk 0.75 to 0.85m	
D 01 041		Parking Bay	1	Waste Area Equipment Storage Box	28	18	Radon Panels	None	No	None	None	0	0	0	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 042		Dr. & Assistant (no hot water supply)	1	Toilet	28	18	Radon Panels	None	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 043		ESR	1	ESR	28	18	Radon Panels	None	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m	
D 01 044		Food Prep Room	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	3	Positive	17	43	41	320	18	1000	A	80	Switch	Desk 0.75 to 0.85m	
D 01 045		Consulting Room 13	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	3	Positive	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 046		Consulting Room 18	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	3	Positive	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 047		Consulting Room 17	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	3	Positive	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 048		Consulting Room 16	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	3	Positive	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 051		Supply Change	1	Waste Change	28	18	Radon Panels	Remote Control AS	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m	
D 01 052		Baby Room - Feeding Room	1	Baby Feeding	28	18	Radon Panels	Remote Control AS	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m	
D 01 053		WC (no hot water supply)	1	Toilet	28	18	Radon Panels	None	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 054		Staff WC	1	Toilet	28	18	Radon Panels	None	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 055		Store Room	1	Storage Area Equipment	28	18	Radon Panels	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 056		Chemical Store	1	Storage Area	28	18	Radon Panels	Remote Control AS	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 057		ESR	1	ESR	28	18	Radon Panels	None	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m	
D 01 058		Physical Measurement	1	Waste Change	28	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	1	7	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 059		Food Prep Room	1	Storage Area Equipment	28	18	Radon Panels	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m	
D 01 060		Medical Reception	1	Staff Work Area	28	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	4	4	Negative	17	43	41	320	18	None	A	80	Switch	Desk 0.75 to 0.85m	
D 01 061		Consulting Room 12	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 062		Consulting Room 11	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 063		Consulting Room 10	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 064		Consulting Room 9	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m	
D 01 065	Physical Measurement	1	Consulting Room	25	18	Radon Panels	Remote Control AS	No	None	None	0	0	0	None	43	41	320	18	1000	A	80	Switch	General working plane 1m		
D 01 066	Appt Room 1	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m		
D 01 068	Equipment - Camera Store	1	Storage Area Equipment	28	18	Radon Panels	None	No	None	Central General Exhaust	0	0	Negative	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m		
D 01 070	Photometry Room	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	2 people at 1.5 per person (1.5m)	2 people at 1.5 per person (1.5m)	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m		
D 01 071	Appt Room 2	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	Red Trolley 1.45m		
D 01 072	Mobile Food Box	1	Waste Area Equipment Storage Box	28	18	Radon Panels	None	No	None	None	0	0	0	None	43	41	220	18	None	A	80	Automatic Controls	Flora 0m		
D 01 073	Baby Room - Feeding Room	1	Baby Feeding	28	18	Radon Panels	None	No	None	Central Dry Exhaust	0	10	Negative	None	43	41	120	18	None	A	80	Automatic Controls	Flora 0m		
D 01 074	Staff WC	1	Toilet	28	18	Radon Panels	None	No	None	None	0	0	0	None	43	41	1000	18	None	A	80	Automatic Controls	Flora 0m		
D 01 075	Physical Measurement	1	Consulting Room	25	18	Radon Panels	Remote Control AS	Yes	ceiling lights (200W)	Central Supply and Exhaust	3	3	Return	17	43	41	320	18	1000	A	80	Switch	General working plane 1m		

Room No.	Department	Room Name	Qty	Room Function	Usage (sq ft)	Usage (sq ft)	Building Type	Building Control	Building Control	Building Control	Ventilation (cfm)	Supply (cfm)	Exhaust (cfm)	Relative Humidity	Min. Humidity	Surface Temp	Water Temp	Humidity	Height	Local Air	Standby (hr)	Control	Control	Notes	
0101 026	Operations	Customer Enabled ATC	1	Light	26	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	Negative	None	43	41	200	4.4	None	0	90	Automated Controls	None On	
0101 027		Reception/Waiting Area	1	Light	24	16	Robot Panels	None	Yes	None	None	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On	
0101 028		File Processing Room	1	File Processing Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	General working plane 10'	
0101 029		Staff WC	4	WC	28	18	Robot Panels	None	Yes	None	None	0	0	0	Negative	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 030		LINE Box (1 Toilet)	1	Line Box	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 031		Clear Entry	1	Clear Entry	28	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	General working plane 10'
0101 032		Consulting Room 1	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 033		Training Room 1	1	Training Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 034		Consulting Room 2	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 035		Consulting Room 3	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 036		Consulting Room 4	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 037		Meeting Room	1	Meeting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	Red 1.75m to 1.85m
0101 038		Consulting Room 5	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 039		Consulting Room 6	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 040		Consulting Room 7	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	1000'	0	90	Switch	Red Tagging 1.45m
0101 041		Signal Change Horse Office	1	Office - Work Office	26	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red 1.75m to 1.85m
0101 042		Access Point 2 - Ethernet	1	Network	18	20	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 043		Corridor	1	Corridor	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 044		Corridor	1	Corridor	21	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 045		Corridor	1	Corridor	28	18	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 046		Corridor	1	Corridor	28	18	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 047		Corridor	1	Corridor	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 048		Switch Cabinet	1	Switch Cabinet	18	20	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 049		Switch Cabinet	1	Switch Cabinet	18	20	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0101 050		Storage	1	Storage	18	20	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 001	Cell Biology & Biophysics	Working Area	1	Working Room	26	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	None On
0102 002		Lab 1	1	Lab - Work Office	29	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red 1.75m to 1.85m
0102 003		WC Scan	1	WC	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 004		Central Pharmacy Extended Lab	1	Preparation Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m
0102 005		Estimation/Graph Lab	1	Diagnostic room	20	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	General working plane 10'
0102 006		PCR	1	PCR	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 007		Gene Equipment	1	Storage Area Equipment	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 008		EDS Preparation Room	1	Preparation Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m
0102 009		Admin Office	1	Cellular Work Office	28	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	Red 1.75m to 1.85m
0102 010		PCR/Prep Lab	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m
0102 011		Preparation/Prep Lab	1	Preparation Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m
0102 012		Central Stock Lab	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m
0102 013		Physical Measurement	1	Consulting Room	25	18	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	General working plane 10'
0102 014		Corridor	1	Corridor	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 015		Corridor	1	Corridor	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 016		Corridor	1	Corridor	28	18	Robot Panels	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 017		Corridor	1	Corridor	28	18	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 018		Corridor	1	Corridor	28	18	None	None	Yes	None	None	0	0	0	0	None	43	41	200	4.4	None	0	90	Automated Controls	None On
0102 019		Working Area	1	Working Room	28	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	None On
0102 020		ADP Room	1	Preparation Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m
0102 021	Test Room	1	Preparation Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red Tagging 1.45m	
0102 022	Storage Self Check	1	Cellular Work Office	28	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red 1.75m to 1.85m	
0102 023	Consulting Room 2	1	Consulting Room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	Red 1.75m to 1.85m	
0102 024	General Room 1	1	Diagnostic room	25	18	Robot Panels	None	Yes	None	Central Direct Exhaust	0	0	0	0	None	43	41	200	4.4	None	0	90	Switch	General working plane 10'	

Room No	Department	Room Name	Qty	Room Function	Temp (heat)	Temp (cool)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (l/s)	Extract (l/s)	Relative pressure	Min. vibration	Surface temp.	W/m² temp.	Normal use	Height use	Local use	Standby grade	Colour render	Control	Plane			
1.04.001	D4	Audiology	Consulting Room 1	1	Consulting Room	25	18	Warm Air Fan Coil Panels	BES Micro-logic Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.04.006			Control Room 2	1	Diagnostic room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	General working plane 1m			
1.04.009			Waiting Area	1	Waiting Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Floor 0m			
1.04.010			Work Room	1	Small Workshop	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.04.011			Store	1	Storage Area Equipment	28	18	Radon Panels	Radon Sensor	No	None	None	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.04.012			Mask Room	1	Small Workshop	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.04.013			Control	1	Control	28	18	None	None	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m
1.04.014			Control	1	Control	28	18	None	None	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m
1.04.015			Control	1	Control	28	18	None	None	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m
1.04.016			Control	1	Control	28	18	None	None	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m
1.05.001	D5	Physiotherapy	Denial Lab	1	Laboratory	25	18	Radon Panels	Radon Sensor	Yes	Wall Mounted Unit	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	General working plane 1m			
1.05.002			Control Room Denial Store	1	Control Unit	28	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Automatic Controls	General working plane 1m			
1.05.003			Supply 1	1	Denial Supply	25	18	Warm Air Fan Coil Panels	Adjustable	Yes	Common Control Room Air	10	10	Balanced	BT	18	18	200	1.8	10,000 - 100,000	A	90	Switch	Bed - Trolley 1.45m			
1.05.004			Extraction	1	Extraction	23	18	Radon Panels	Radon Sensor	No	None	Central Duty Extract	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.05.005			Extraction and Storage	1	Storage Area Equipment	28	18	Radon Panels	Radon Sensor	No	None	Central Duty Extract	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.05.006			Reception	1	Reception/Reception Room	25	20	Radon Panels	Radon Sensor	Yes	Common Control Room Air	15	15	Balanced	BT	18	18	200	1.8	None	A	90	Switch	Bed - Trolley 1.45m			
1.05.007			Supply 1	1	Denial Supply	25	18	Warm Air Fan Coil Panels	Adjustable	Yes	Common Control Room Air	10	10	Balanced	BT	18	18	200	1.8	10,000 - 100,000	A	90	Switch	Bed - Trolley 1.45m			
1.05.008			Supply 2	1	Denial Supply	25	18	Warm Air Fan Coil Panels	Adjustable	Yes	Common Control Room Air	10	10	Balanced	BT	18	18	200	1.8	10,000 - 100,000	A	90	Switch	Bed - Trolley 1.45m			
1.05.009			Supply 3	1	Denial Supply	25	18	Warm Air Fan Coil Panels	Adjustable	Yes	Common Control Room Air	10	10	Balanced	BT	18	18	200	1.8	10,000 - 100,000	A	90	Switch	Bed - Trolley 1.45m			
1.05.010			Control	1	Control	28	18	Radon Panels	Radon Sensor	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m
1.05.011	Control	1	Control	28	18	None	None	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.001	D6	RHSC Therapist	Extraction 1 Phone Booth	1	Cellular Ward Office	28	18	Radon Panels	None	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.002			Extraction 2 Phone Booth	1	Cellular Ward Office	28	18	Radon Panels	None	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.003			Extraction 3 Phone Booth	1	Cellular Ward Office	28	18	Radon Panels	None	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.004			Waiting Room 4	1	Waiting Room	25	18	Radon Panels	Radon Sensor	Yes	Wall Mounted Unit	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.005			Extraction 5 Phone Booth	1	Cellular Ward Office	28	18	Radon Panels	None	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.006			Waiting Room 6	1	Waiting Room	25	18	Radon Panels	Radon Sensor	Yes	Wall Mounted Unit	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.007			WC 701	1	WC	28	18	Radon Panels	None	No	None	Central Duty Extract	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.008			WC 702	1	WC	28	18	Radon Panels	None	No	None	Central Duty Extract	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.009			Extraction 8 Phone Booth	1	Cellular Ward Office	28	18	Radon Panels	None	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.010			Extraction 9 Phone Booth	1	Cellular Ward Office	28	18	Radon Panels	None	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.011			Store Pharmacy	1	Storage Area Equipment	28	18	Radon Panels	Radon Sensor	No	None	None	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.012			Management Office	1	Cellular Ward Office	28	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.013			MSL Staff Office Appearance Room	1	Cellular Ward Office	28	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.014			ESR	1	ESR	28	18	Radon Panels	None	No	None	Central Duty Extract	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.015			Equipment Disinfection Unit	1	Equipment Disinfection	28	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Automatic Controls	General working plane 1m			
1.06.016			Class Room 1	1	Diagnostic room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	General working plane 1m			
1.06.017			Class Room 2	1	Diagnostic room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	General working plane 1m			
1.06.018			Waiting Plus Area	1	Waiting Room	28	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Floor 0m			
1.06.019			Reception	1	Reception	28	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	Desk 0.75 to 0.85m			
1.06.020			WC Wheelchair accessible	1	WC	28	18	Radon Panels	None	No	None	Central Duty Extract	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.021			Front Reception Counter	1	Consulting Room	25	18	Radon Panels	Radon Sensor	Yes	Wall Mounted Unit	0	0	Balanced	BT	18	18	200	1.8	None	A	80	Switch	General working plane 1m			
1.06.022			1 Line Bay	1	1 Line Bay	28	18	Radon Panels	None	No	None	None	0	0	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m
1.06.023			Treatment Room 2	1	Treatment Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	10	0	Positive	BT	18	18	200	1.8	None	A	90	Switch	Bed - Trolley 1.45m			
1.06.024			Treatment Room 4	1	Treatment Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	10	0	Positive	BT	18	18	200	1.8	None	A	90	Switch	Bed - Trolley 1.45m			
1.06.025			Treatment Room 5	1	Treatment Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	10	0	Positive	BT	18	18	200	1.8	None	A	90	Switch	Bed - Trolley 1.45m			
1.06.026			Treatment Room 6	1	Consulting Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	10	0	Positive	BT	18	18	200	1.8	None	A	80	Switch	Bed - Trolley 1.45m			
1.06.027			Store Corridor	1	Storage Area Equipment	28	18	Radon Panels	None	No	None	None	0	0	Negative	None	18	18	200	1.8	None	A	80	Automatic Controls	Floor 0m		
1.06.028			Treatment Room 1B	1	Consulting Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	10	0	Positive	BT	18	18	200	1.8	None	A	80	Switch	Bed - Trolley 1.45m			
1.06.029			Treatment Room 7	1	Consulting Room	25	18	Radon Panels	Radon Sensor	Yes	Common Control Room Air	10	0	Positive	BT	18	18	200	1.8	None	A	80	Switch	Bed - Trolley 1.45m			

Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (liters)	Extract (liters)	Relative pressure	Min. Airflow	Surface temp	Water temp	Normal use	Height	Local use	Standby grade	Colour number	Control	Plans	
1.04.015	08	Senior Charge Nurse Office	1	Consult - Ward Office	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4	3	Positive	17	43	43	200	1.8	None	A	80	Switch	Desk 0.75m x 0.85m	
1.04.016		Bay 2	1	Patient Treatment Lounge	25	18	Radiant Panels	Remote sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	5	8	Negative	17	43	43	200	1.8	None	A	80	Switch	Bed - Trolley 1.45m	
1.04.017		Day Units	1	Day Unit	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	3	3	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.018		Reception Bay 1	1	Reception	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	None	None	0	0	0	17	43	43	200	1.8	None	A	80	Switch	Central reception desk 1.7m
1.04.019		Reception Bay 2	1	Reception	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	None	None	4	4	Neutral	17	43	43	200	1.8	None	A	80	Switch	Bed - Trolley 1.45m
1.04.020		Room 1 - En-suite	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	5	10	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.021		Parking Bay - Washroom	1	Car Wash and Washroom	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	5	5	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.022		Bay 7 - Wash 3/4	1	Washroom	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	None	None	4	4	Neutral	17	43	43	150	1.8	None	A	80	Automatic Controls	Bed - Trolley 1.45m
1.04.023		Bay 1 - En-suite	1	Washroom	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	None	None	4	4	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	None On
1.04.024		Shower Room 2	1	Washroom	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	None	None	4	4	Neutral	17	43	43	150	1.8	None	A	80	Switch	Bed - Trolley 1.45m
1.04.025		Room 2 - En-suite	1	Toilet	28	18	Radiant Panels	Remote Sensor A.S.	Yes	None	None	Central Supply and Extract	3	3	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	None On
1.04.026		Wash Bay	1	Wash Bay	28	18	Active and Passive Transpire Air	None	No	None	None	5	0	1.8	None	1.8	100	400	1.8	None	A	80	Automatic Controls	None On	
1.04.027		Store - General	1	Storage Area Equipment	21	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	3	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.028		WC - Staff	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.030		OSR	1	OSR	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.031	Combiner	1	Combiner	28	18	Radiant Panels	Remote Sensor A.S.	Yes	None	None	None	0	0	1.8	None	43	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.032	Combiner	1	Combiner	28	18	Radiant Panels	Remote Sensor A.S.	Yes	None	None	None	0	0	1.8	None	43	41	200	1.8	None	A	80	Automatic Controls	None On	
1.04.033	Switch Cabinet	1	Switch Cabinet	18	18	Combiner	None	None	None	None	0	0	1.8	None	1.8	40	150	1.8	None	A	80	Automatic Controls	None On		
0.14.001	08	Amputatory Care Shared Support	1	Concrete stairs staff entry storage	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	8	8	Negative	17	43	43	300	1.8	None	A	80	Switch	None On	
0.14.002	08	W.A. Functional Activity Zone	1	Reception	25	18	Overhead Heating	W.A. Activity Zone Sensors	Yes	None	None	0	0	1.8	None	42	41	400	1.8	None	A	80	Switch	None On	
0.14.003		BHSC OPD Reception	1	Reception	28	18	Overhead Heating	W.A. Activity Zone Sensors	Yes	None	None	0	0	1.8	None	41	41	300	1.8	None	A	80	Automatic Controls	Desk 0.75m x 0.85m	
0.14.004		BHSC OPD Wait & Sun Resting	1	Waiting Room	24	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	3 people @ 100 per person	2 people @ 100 per person	Neutral	17	43	43	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m	
0.14.005		Wheelchair Accessible	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	3	3	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
0.14.006		Wheelchair Accessible	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
0.14.007		W.A. Full Accessible (handicapped)	1	Toilet	28	18	Radiant Panels	Remote Sensor A.S.	Yes	None	None	Central Supply and Extract	0	0	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	None On
0.14.008		Wheelchair Accessible	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
0.14.009		OSR	1	OSR	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	40	200	1.8	None	A	80	Automatic Controls	None On	
0.14.010		W.A. Amputator	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	3	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
0.14.011		Wheelchair Accessible	1	Toilet	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On	
0.14.012		BHSC OPD Wait & Resting	1	Waiting Room	28	18	Overhead Heating	W.A. Activity Zone Sensors	Yes	None	None	0	0	1.8	None	41	41	300	1.8	None	A	80	Switch	None On	
0.14.013		Switch Cabinet	1	Switch Cabinet	18	18	Combiner	None	None	None	None	0	0	1.8	None	1.8	40	150	1.8	None	A	80	Automatic Controls	None On	
0.14.014		Switch Cabinet	1	Switch Cabinet	18	18	Combiner	None	None	None	None	0	0	1.8	None	1.8	40	150	1.8	None	A	80	Automatic Controls	None On	
0.14.015		Manifold	1	Manifold	18	18	Combiner	None	None	None	None	0	0	1.8	None	1.8	40	150	1.8	None	A	80	Automatic Controls	None On	
0.14.016		Manifold	1	Manifold	18	18	Combiner	None	None	None	None	0	0	1.8	None	1.8	40	150	1.8	None	A	80	Automatic Controls	None On	
0.14.017	Storage - Medical	1	Storage Area Equipment	28	18	Active and Passive Transpire Air	None	No	None	Central Supply and Extract	0	0	Negative	None	1.8	41	200	1.8	None	A	80	Automatic Controls	None On		
0.14.018	Senior Charge Nurse Office	1	Consult - Ward Office	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4	4	Positive	None	41	41	200	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
0.14.019	Meeting Room 3	1	Meeting Room	25	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4 people @ 100 per person each	4 people @ 100 per person each	Neutral	17	43	43	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
0.14.020	Meeting Room	1	Meeting Room	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4 people @ 100 per person each	0	Positive	17	43	43	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
0.14.021	Meeting Room 4	1	Meeting Room	25	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4 people @ 100 per person each	4 people @ 100 per person each	Neutral	17	43	43	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
0.14.022	Meeting Room 1	1	Meeting Room	25	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4 people @ 100 per person each	4 people @ 100 per person each	Neutral	17	43	43	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
0.14.023	Meeting Room 2	1	Meeting Room	25	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4 people @ 100 per person each	4 people @ 100 per person each	Neutral	17	43	43	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
0.14.024	Deliver - 1 Phone Room	1	Consult - Ward Office	28	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	4 people @ 100 per person each	2 people @ 100 per person each	Neutral	17	43	43	300	1.8	None	A	80	Automatic Controls	Desk 0.75m x 0.85m		
0.14.025	Waiting Area 2	1	Waiting Room	24	18	Radiant Panels	Remote Sensor A.S.	Yes	Unit Not Listed - Radiant Air	Central Supply and Extract	2 people @ 100 per person each	2 people @ 100 per person each	Neutral	17	43	43	300	1.8	None	A	80	Automatic Controls	None On		

Room No.	Department	Room Name	Qty	Room Function	Length (m)	Width (m)	Building Type	Heating Control	Cooling (m/s)	Lighting (m/s)	Windows (m²)	Supply (liters)	Extract (liters)	Relative humidity	Site location	Surface temp	Room No.	Height (m)	Local fan	Standby grade	Colour code	Control	Plane
G.F.1.011	#1 - CMMS - 12 Beds	Service - Photocopy	1	Storage Area Equipment	28	16	Resident Panels	None	No	None	Central General Extract	0	0	Negative	None	16	200	1.8	None	A	80	Automatic Controls	None On
G.F.1.012		Learning Teaching Office	3	Cellular - Ward Office	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	4	3	Positive	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.013		Multidisciplinary Office 1	1	Multidisciplinary Work Areas	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	5	4	Positive	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.014		Shower - WC - WHB accessible	1	Shower	28	20	Resident Panels	None	No	None	Central Dry Extract	0	10	Negative	None	11	200	1.8	None	A	80	Switch	None On
G.F.1.015		WC - Whichever accessibility	1	Toilet	28	19	Resident Panels	None	No	None	Central Dry Extract	0	10	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On
G.F.1.016		Plas Room	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	12 people at 11.5 per person (1400)	12 people at 11.5 per person (1400)	Balanced	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.020		Group Room 4	1	Meeting Room	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	12 people at 11.5 per person (1400)	12 people at 11.5 per person (1400)	Balanced	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.021		Screening Room	1	Diagnostic room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8 people at 11.5 per person (920)	8 people at 11.5 per person (920)	Balanced	F7	13	300	1.8	None	A	80	Switch	Central air conditioning plane on
G.F.1.022		Cafe Down Zone	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.023		Meeting Room 3	1	Meeting Room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8 people at 11.5 per person (920)	8 people at 11.5 per person (920)	Balanced	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.024		Group Room 3	1	Meeting Room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	12 people at 11.5 per person (1400)	12 people at 11.5 per person (1400)	Balanced	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.025		Meeting Room 2	1	Meeting Room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8 people at 11.5 per person (920)	8 people at 11.5 per person (920)	Balanced	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.027		Waiting Floor	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8	8	Negative	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.028		Multidisciplinary Office 2	1	Multidisciplinary Work Areas	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	4	4	Positive	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.029		Multidisciplinary Office 3	1	Multidisciplinary Work Areas	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	4	4	Positive	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.031		Waiting Room	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8 people at 11.5 per person (920)	8 people at 11.5 per person (920)	Balanced	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.032		Group Room 2	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8	8	Balanced	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.033		Art Store	1	Classroom	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	15 people at 11.5 per person (1725)	15 people at 11.5 per person (1725)	Balanced	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m
G.F.1.034		Library - Play Learning Room	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8	8	Negative	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.036		Living Room (Impressions & Day Room)	1	Living Dining	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	4	4	Balanced	F7	13	300	1.8	None	A	80	Switch	None On
G.F.1.037		Therapy Session	1	Work Station	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central General Extract	0	0	Negative	None	13	300	1.8	None	A	80	Switch	Central air conditioning plane on
G.F.1.038		WC - Whichever accessibility	1	Toilet	28	18	Resident Panels	None	No	None	Central Dry Extract	0	10	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On
G.F.1.039		Ward 10 Room	1	Ward 10 Room	28	18	Resident Panels	None	No	None	Central General Extract	0	0	Negative	None	13	300	1.8	None	A	80	Switch	Central air conditioning plane on
G.F.1.043		WC - Whichever accessibility	1	Toilet	28	18	Resident Panels	None	No	None	Central Dry Extract	0	10	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On
G.F.1.041		Waiting Area 1	1	Waiting Room	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	12 people at 11.5 per person (1400)	12 people at 11.5 per person (1400)	Balanced	F7	13	300	1.8	None	A	80	Automatic Controls	None On
G.F.1.042		DPH	1	DPH	28	18	Resident Panels	None	No	None	Central Dry Extract	0	0	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On
G.F.1.043		WC - Staff	1	Toilet	28	18	Resident Panels	None	No	None	Central Dry Extract	0	10	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On
G.F.1.044		Octagon 11 Phone Booth	1	Cellular - Ward Office	28	18	Resident Panels	Remote Control	Yes	WAF Mounted Unit	Central Supply and Extract	2 people at 11.5 per person (230)	2 people at 11.5 per person (230)	Balanced	F7	13	300	1.8	None	A	80	Automatic Controls	Desk 0.75 to 0.8m
G.F.1.045	Multidisciplinary Office - IDS	1	Multidisciplinary Work Areas	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	4	4	Positive	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m	
G.F.1.047	Reception Room 1	1	Common room staff rest lounge	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	0	0	Negative	F7	13	300	1.8	None	A	80	Switch	None On	
G.F.1.048	Group Room 1	1	Meeting Room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	4	4	Negative	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m	
G.F.1.049	Octagon 11 Phone Booth	1	Cellular - Ward Office	28	18	Resident Panels	Remote Control	Yes	WAF Mounted Unit	Central Supply and Extract	2 people at 11.5 per person (230)	2 people at 11.5 per person (230)	Balanced	F7	13	300	1.8	None	A	80	Automatic Controls	Desk 0.75 to 0.8m	
G.F.1.050	Small Treatment Room	1	Consulting Room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8	8	Positive	F7	13	300	1.8	None	A	80	Switch	Central air conditioning plane on	
G.F.1.051	Treatment Room	1	Treatment Room	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	10	0	Positive	F7	13	300	1.8	None	A	80	Switch	Bed - 1.8m x 0.8m	
G.F.1.052	Treatment Room 2	1	Group Room	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	8	8	Positive	F7	13	300	1.8	None	A	80	Automatic Controls	Central air conditioning plane on	
G.F.1.053	Multidisciplinary Office	1	Multidisciplinary Work Areas	28	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	4	4	Positive	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m	
G.F.1.054	Laundry Room	1	Laundry	28	18	Resident Panels	None	No	None	Central Supply and Extract	0	10	Negative	F7	13	300	1.8	None	A	80	Switch	None On	
G.F.1.056	Open Space	1	Waiting Room	29	18	Resident Panels	Remote Control	Yes	Supply - 1.2 m/s Exhaust - 1.2 m/s	Central Supply and Extract	0	0	Balanced	F7	13	300	1.8	None	A	80	Switch	None On	
G.F.1.057	Party	1	Party	29	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	6	6	Negative	F7	13	300	1.8	None	A	80	Switch	None On	
G.F.1.058	WC - Staff	1	Toilet	28	18	Resident Panels	None	No	None	Central Dry Extract	0	10	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On	
G.F.1.059	Dry Utility	1	Dry Utility	28	18	Resident Panels	None	No	None	Central Dry Extract	0	0	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On	
G.F.1.061	Disposal Hall	1	Disposal Hall	28	18	Resident Panels	None	No	None	Central Dry Extract	0	0	Negative	None	11	200	1.8	None	A	80	Automatic Controls	None On	
G.F.1.062	Staff Room	1	Reception	28	18	Resident Panels	Remote Control	Yes	Cooling Capacity - Chilled Water	Central Supply and Extract	2 people at 11.5 per person (230)	2 people at 11.5 per person (230)	Balanced	F7	13	300	1.8	None	A	80	Switch	Desk 0.75 to 0.8m	

Room No.	Department	Room Name	Qty	Room Function	Temp (req'd)	Temp (act)	Heating Type	Heating Control	Cooling (sprinkler)	Cooling (floor)	Ventilation (req'd)	Supply (act)	Exhaust (act)	Relative Humidity	Min. Airflow	Surface Temp	Water Temp	Normal Use	Height	LOCM Use	Standby grade	Column number	Control	Panel		
4401-031		Senior Academic Staff	1	Officer - Ward Office	20	19	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	4	3	Positive	RT	43	19.4	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		
4401-032		Senior Academic Staff	1	Officer - Ward Office	20	19	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	4	3	Positive	RT	43	19.4	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		
4401-033		AC - Reception	1	Reception	20	18	ABS and Solar Transpire Air	None	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs		
4401-035		Maternity - Photo room	1	Officer - Ward Office	20	18	ABS and Solar Transpire Air	None	Yes	None	Central Supply and Exhaust	4	3	Positive	RT	43	19.4	300	1.8	None	A	80	Automatic Controls	Desk 2.75 to 2.85m		
4401-036		Gas Store	1	Storage Area & Hot Gas	20	19	ABS and Solar Transpire Air	None	No	None	Central General Exhaust	0	3	Negative	None	43	19.4	250	1.8	None	A	80	Automatic Controls	Floor Drs		
4401-037		Corridor	1	Corridor	20	16	Radon Panels	Remote Sensor Ad	Yes	None	None	None	0	0	0	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs	
4401-038		Corridor	1	Corridor	20	16	Radon Panels	Remote Sensor Ad	Yes	None	None	None	0	0	0	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs	
4401-039		Corridor	1	Corridor	20	16	Radon Panels	Remote Sensor Ad	Yes	None	None	None	0	0	0	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs	
4401-040		Search Cabinet 8	1	Search Cabinet	18	18	Radon Panels	None	None	None	None	None	0	0	0	None	43	19.4	150	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-001		Clinical Research Facility	Specialist	1	Exposure Unit	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Duty Exhaust	0	8	Negative	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-002			Waiting Play Area	1	Waiting Room	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	5	Balanced	RT	43	19.4	300	1.8	None	A	80	Switch	Floor Drs	
4402-004			Reception	1	Reception	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	0	Positive	RT	43	19.4	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m	
4402-005			AC Reception - Patients	1	Reception	20	18	ABS and Solar Transpire Air	None	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-006			ESR	1	ESR	20	18	Radon Panels	Remote Sensor Ad	Yes	None	None	Central Duty Exhaust	0	6	Negative	None	43	19.4	300	1.8	None	A	80	Automatic Controls	Floor Drs
4402-007			Officer - Reception	1	Officer - Ward Office	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	4	3	Positive	RT	43	19.4	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m	
4402-008	Linen Box		1	Linen Box	20	16	Radon Panels	None	No	None	None	None	0	0	0	None	43	19.4	100 x 100	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-009	Consulting Room 2		1	Consulting Room	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	3	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Bed - Timber 1.85m		
4402-010	Consulting Room 1		1	Consulting Room	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	3	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Bed - Timber 1.85m		
4402-011	AC Staff		1	Staff	20	18	Radon Panels	Remote Sensor Ad	Yes	None	None	Central Duty Exhaust	0	10	Negative	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-012	Play		1	Play	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	8	Negative	None	43	41	300	1.8	None	A	80	Switch	Floor Drs		
4402-013	New Equipment		1	Storage Area & Equipment	20	16	Radon Panels	Remote Sensor Ad	Yes	None	Central General Exhaust	0	3	Negative	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-014	Play 1		1	Consulting Room	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	3	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Bed - Timber 1.85m		
4402-015	Play 1 - Ensuite		1	Bedroom	20	20	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-016	Simple Playroom		1	Dayroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	6	8	Balanced	RT	43	44	300	1.8	None	A	80	Switch	General working plane 1m		
4402-017	Day Unit		1	Day Unit	20	18	ABS and Solar Transpire Air	None	No	None	Central Duty Exhaust	0	6	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-018	Room 4 - Ensuite		1	Bedroom	20	20	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-020	Control Unit		1	Control Unit	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	6	10	Positive	RT	43	44	300	1.8	None	A	80	Automatic Controls	General working plane 1m		
4402-021	Stage Room 4		1	Isolation Breakroom	20	20	ABS Adjustable Transpire Air	None	Yes	Central General Exhaust	10	0	Positive	RT	43	44	300	5	300	A	80	Switch	Bed - Timber 1.85m			
4402-022	Room 5 - Ensuite		1	Bedroom	20	20	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-023	Room 6 - Lobby		1	Reception Lobby	20	20	Radon Panels	Remote Sensor Ad	No	None	Central Supply	0	0	Positive	RT	43	44	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-024	Stage Room 5		1	Bedroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	10	Balanced	RT	43	44	300	5	300	A	80	Switch	Bed - Timber 1.85m		
4402-028	Touch Screen Bar		1	Reception	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	0	Positive	RT	43	19.4	200	1.8	None	A	80	Switch	General working plane 1m		
4402-019	Corridor		1	Corridor	20	18	Radon Panels	Remote Sensor Ad	No	None	None	None	0	0	0	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-026	Corridor		1	Corridor	20	18	Radon Panels	Remote Sensor Ad	No	None	None	None	0	0	0	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs	
4402-029	Corridor	1	Corridor	20	18	Radon Panels	Remote Sensor Ad	No	None	None	None	0	0	0	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4402-025	Search Cabinet	1	Search Cabinet	18	18	Radon Panels	None	None	None	None	Central General Exhaust	0	0	Negative	None	43	19.4	100	1.8	None	A	80	Automatic Controls	Floor Drs		
4403-001	Clinical Education Suite	Scenario Room 1	1	Classroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	8	10	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		
4403-002		Control Room	1	Control Room	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	10	Balanced	RT	43	44	300	1.8	None	A	80	Switch	General working plane 1m		
4403-003		Storage	1	Storage Area - Equipment	20	18	Radon Panels	Remote Sensor Ad	No	None	Central General Exhaust	0	3	Negative	None	43	19.4	200	1.8	None	A	80	Automatic Controls	Floor Drs		
4403-004		Teaching Room 1	1	Classroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	8	10	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		
4403-005		Scenario Room 2	1	Classroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	8	10	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		
4403-006		AC - Reception	1	Reception	20	18	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs		
4403-007		AC - Reception	1	Reception	20	18	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs		
4403-008		AC - Reception	1	Reception	20	18	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	10	Negative	None	43	41	250	1.8	None	A	80	Automatic Controls	Floor Drs		
4403-010		Teaching Room 2	1	Classroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	8	10	Balanced	RT	43	44	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		
4403-011		Reception Box	1	Reception	20	18	Radon Panels	Remote Sensor Ad	No	None	None	None	0	0	0	None	43	41	100 x 100	1.8	None	A	80	Switch	Floor Drs	
4403-012		ESR	1	ESR	20	18	Radon Panels	Remote Sensor Ad	No	None	Central Duty Exhaust	0	0	Negative	None	43	41	150	1.8	None	A	80	Automatic Controls	Floor Drs		
4403-013		Maternity - Photo room & Staff	1	Classroom	20	18	Radon Panels	Remote Sensor Ad	Yes	None	Central Supply and Exhaust	3	4	Positive	RT	43	19.4	300	1.8	None	A	80	Switch	Desk 2.75 to 2.85m		

Room No.	Department	Room Name	Qty	Room Function	Area (sq ft)	Usage (times)	Building Type	Finishing Control	Coating (process)	Coating (type)	Insulation (Type)	Supply (rate ft)	Exhaust (rate ft)	Relative pressure	Min. Temperature	Surface Temp	Room Temp	Humidity (rel)	Height (ft)	Local Air	Priority grade	Control number	Control	Plans
140311	Main Executive Public Spaces	Public Space Executive Office	1	Cellular Ward Office	78	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140312		Meeting Room	1	Meeting Room	25	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140313		Service Room	1	Meeting Room	23	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140314		Managerial Admin Office	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140315		Corporate Office	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140316		Library	1	Library/Reading Room	26	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	300	64	None	A	80	Automatic Control	Floor On
140317		Control	1	Control	24	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140318		Control	1	Control	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140319		Control	1	Control	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140320		Control	1	Control	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140321	Main Executive Public Spaces	Reception Lobby	1	Reception Area	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140322		Wholesale Bay	1	Reception Area	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140323		Security Office	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140324		Printing Machine	1	Printing Machine	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	300	64	None	A	80	Automatic Control	Floor On
140325		Reception Information Desk	1	Reception	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140326		Postal Shop	1	Postal Shop	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	3	3	Balanced	67	63	64	300	64	None	A	80	Switch	Floor On
140327		Catering Shop	1	Catering Shop	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	3	3	Balanced	67	63	64	300	64	None	A	80	Switch	Floor On
140328		Waiting Area	1	Waiting Room	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Floor On
140329		Public Telephone Booth	1	Reception Phone Booth	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140330		WC Men	1	Restroom	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140331		WC Women	1	Restroom	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140332		WC Wheelchair Accessible	1	Restroom	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140333		Business Change History Change	1	History Change	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140334		DSR	1	DSR	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140335		Cellular Ward Office	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140336	Seed & Key Stores	DSR	1	DSR	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140337		Store - Misc	1	Storage Area Equipment	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140338		Store - Misc	1	Storage Area Equipment	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140339		Store - Misc	1	Storage Area Equipment	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140340		Store - Misc	1	Storage Area Equipment	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140341	Beverage Sun	Water	1	Reception Area	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140342		WC Wheelchair Accessible	1	Restroom	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140343		Waiting Room	1	Waiting Room	25	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Negative	67	63	64	300	64	None	A	80	Switch	Floor On
140344		Shops Room with Employee Bay	1	Shops Room with Employee Bay	26	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	300	64	None	A	80	Switch	Floor On
140345	Spiritual & Pastoral Care	Home Room	1	Home Room	25	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140346		Sanctuary	1	Sanctuary	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	300	64	None	A	80	Switch	Floor On
140347		Storage Area	1	Storage Area	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140348		Storage Area	1	Storage Area	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140349		Storage Area	1	Storage Area	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140350		Office	1	Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140351		Control	1	Control	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140352	Search/Clipboard	1	Search/Clipboard	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Positive	67	63	64	200	64	None	A	80	Automatic Control	Floor On	
140353	Meeting Rooms Family	Meeting Room Family 42m	1	Meeting Room	25	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140354		Meeting Room Family 42m	1	Meeting Room	25	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140355		Office 1	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140356		Office 2	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140357		Office 3	1	Cellular Ward Office	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	4	3	Positive	67	63	64	300	64	None	A	80	Switch	Desk 0.75 to 0.50m
140358		Waiting	1	Waiting Room	24	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	10 people at 1.1 sq ft per person (11 sq ft)	14 people at 1.1 sq ft per person (15 sq ft)	Balanced	67	63	64	300	64	None	A	80	Switch	Floor On
140359		Happy Changing Room	1	Happy Change	22	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On
140360	WC Wheelchair Accessible	1	Restroom	28	18	Robust Panels	Formic Laminate	Yes	Water Based	General Supply and Exhaust	0	0	Negative	67	63	64	200	64	None	A	80	Automatic Control	Floor On	

Room No	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (approved)	Cooling (typical)	Transmission Floor/ceiling	Supply (cfm)	Exhaust (cfm)	Return pressure	Min. Airflow	Surface temp	Water temp	Normal Use	Height	Local Use	Standby grade	Control	Phase			
041010	K1 Family Support	Reception Room	1	Meeting Room	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Balanced	0.1	43	45	200	9.5	None	A	01	Alarm in Controls	Desk 0.75 to 0.85m		
041011		Office 1	1	Callier, Ward Office	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Positive	0.1	43	45	200	9.5	None	A	01	Switch	Desk 0.75 to 0.85m		
041012		Office 2	1	Callier, Ward Office	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Positive	0.1	43	45	200	9.5	None	A	01	Switch	Desk 0.75 to 0.85m		
041013		Store	1	Storage Area (Living room)	25	18	Radiant Panels	Remote Control	Yes	None	None	Central Exhaust	0	3	Negative	None	43	45	200	9.5	None	A	00	Alarm in Controls	None On	
041014		Reception Room	1	Meeting Room	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Balanced	0.1	43	45	200	9.5	None	A	01	Alarm in Controls	Desk 0.75 to 0.85m		
041016		Emp in Lounge (Breakage Bt)	1	Common area staff rest lounge	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Negative	0.1	43	45	200	9.5	None	A	00	Switch	None On		
041017		Emp in Multi Purpose Room	1	Meeting Room	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Negative	0.1	43	45	200	9.5	None	A	01	Alarm in Controls	Desk 0.75 to 0.85m		
041018		WC Staff	1	Toilet	25	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
041019		Reception Bar	1	Tap Station	25	18	Radiant Panels	Remote Control	Yes	None	None	Central Exhaust	0	5	Negative	None	43	45	200	9.5	None	A	01	Switch	None On	
041021		Common Entry Therapy Room	1	Commons Room	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Balanced	0.1	43	45	200	9.5	None	A	01	Switch	Bed Tray 1.45m		
041022		Public Lounge Break area (Room 100)	1	Reception Area	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Balanced	0.1	43	45	200	9.5	None	A	01	Alarm in Controls	None On		
041023		Reception Office	1	Callier's Reception Office	25	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	00	Alarm in Controls	None On	
041024		Office 3	1	Callier, Ward Office	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Positive	0.1	43	45	200	9.5	None	A	01	Alarm in Controls	Desk 0.75 to 0.85m		
041025		WC Reception area (Rm 100)	1	Toilet	25	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
041026		DSA	1	DSA	25	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	5	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
041029		Diaper Mat	1	Diaper Mat	25	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	4	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
041030		Gender	1	Gender	25	18	Adaptive Toilet	None	Yes	None	None	None	0	0	0	0	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
041033		Gender	1	Gender	25	18	Radiant Panels	Remote Control	Yes	None	None	None	0	0	0	0	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
041037		Swan Goodard	1	Swan Goodard	25	18	None	None	Yes	None	None	None	0	0	0	0	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142057		K2	Reception Waiting	1	Waiting Room	25	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Central Supply and Exhaust	4	3	Balanced	0.1	43	45	200	9.5	None	A	00	Switch	None On	
142058			WC Female	1	Toilet	25	18	Adaptive Toilet	None	Yes	None	None	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142059			WC Male	1	Toilet	25	18	Adaptive Toilet	None	Yes	None	None	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142060			Change room (female)	1	Common area staff rest lounge	25	18	Radiant Panels	Remote Control	Yes	Common Control	Central Supply and Exhaust	4	3	Balanced	0.1	43	45	200	9.5	None	A	01	Switch	None On	
142061			WC (Reception area)	1	Toilet	25	18	Radiant Panels	Remote Control	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	00	Alarm in Controls	None On
142068			Family room for 4 persons and on suite	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m	
142069	En suite Shower WC WHB		1	Toilet	28	18	Radiant Panels	Remote Control	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142070	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Balanced	0.1	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142071	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142072	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142073	En suite Shower WC WHB		1	Toilet	28	18	Radiant Panels	Remote Control	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142074	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142075	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142076	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142077	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142078	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142079	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142080	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142081	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142082	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142083	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142084	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142085	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142086	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		
142087	En suite Shower WC WHB		1	Toilet	28	18	Adaptive Toilet	None	Yes	None	None	Central Exhaust	0	10	Negative	None	43	45	200	9.5	None	A	01	Alarm in Controls	None On	
142088	Family room for 4 persons and on suite		1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Wall Mounted Unit	Nature & Central Supply Air	4	10	Positive	None	43	45	200	9.5	None	A	00	Switch, Damper	Bed Tray 1.45m		

A47224882

Room No	Department	Room Name	Q2	Room Function	Temp (heat)	Temp (cool)	Heating Type	Heating Control	Cooling (approved)	Cooling (type)	Ventilation (type)	Supply (type)	Extract (rate)	Return pressure	Min. Airflow	Surface Temp	Wipe Temp	Normal Use	Height	Local Use	Standby grade	Colour render	Control	Plane	
1.1.105	DCN Adult Care 21 Beds	Institute Lightroom Room	1	Lightroom Room	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply Air	10	0	Positive	4.1	11	11	500	1.8	1000	A	80	Switch	Red Trolley 1.85m	
1.1.106		Single Room 2	1	Bedroom	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.107		Room 2 - Ensuite	1	Bathroom	28	22	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	10	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.108		Touchdown Base 1	1	CPM Base	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	2 people at 100 l/s per person (1.85m)	2 people at 100 l/s per person (1.85m)	Balanced	17	13	11	200	1.8	1000	A	80	Switch	General working plane 1m	
1.1.109		Receptionist Tidy Bay	1	Reception Tidy Bay	28	18	Active and Radiant Panels	None	No	None	None	None	0	0	0	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.110		Single Room 3	1	Bedroom	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.111		Room 3 - Ensuite	1	Bathroom	28	22	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.112		Waiting Area - visitors	1	Waiting Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	5	5	Balanced	17	13	11	300	1.8	None	A	80	Switch	None On	
1.1.113		Receptionist Tidy Bay	1	Receptionist Tidy Bay	28	18	Active and Radiant Panels	None	No	None	None	None	0	0	0	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.114		W.C. Receptionist Tidy Bay	1	W.C.	28	18	Active and Radiant Panels	None	No	None	None	Control Exhaust	0	10	Negative	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.115		Single Room 4	1	Bedroom	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.116		Room 4 - Ensuite	1	Bathroom	28	22	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.117		Single Room 5	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.118		Room 5 - Ensuite	1	Bathroom	28	22	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.119		Linear Bay	1	Linear Bay	28	18	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	0	3	Negative	None	11	11	100-1000	1.8	None	A	80	Automatic Controls	None On
1.1.120		Food Bay	1	Linear and Cupboard Storage Bay	28	18	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	0	3	Negative	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.121		Single Room 6	1	Bedroom	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.122		Room 6 - Ensuite	1	Bathroom	28	22	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.123		Staff Base 1	1	Cellular Ward Office	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	2 people at 100 l/s per person (1.85m)	2 people at 100 l/s per person (1.85m)	Balanced	17	13	11	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m	
1.1.124		Single Room 7	1	Bedroom	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.125		Room 7 - Ensuite	1	Bathroom	28	22	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.126		W.C. Receptionist Tidy Bay	1	W.C.	28	18	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	0	10	Negative	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.127		Power Room	1	Waiting Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	100 l/s per person (1.85m)	100 l/s per person (1.85m)	Balanced	17	13	11	300	1.8	None	A	80	Switch	None On	
1.1.128		W.C. Receptionist Tidy Bay	1	W.C.	28	18	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	0	10	Negative	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.129		Consulting Room 1	1	Consulting Room	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	3	3	Balanced	17	13	11	300	1.8	1000	A	80	Switch	Desk 0.75m x 0.85m	
1.1.130		Consulting Room 2	1	Consulting Room	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	3	3	Balanced	17	13	11	300	1.8	1000	A	80	Switch	Red Trolley 1.85m	
1.1.131		Consulting Room 3	1	Consulting Room	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	3	3	Balanced	17	13	11	300	1.8	1000	A	80	Switch	Red Trolley 1.85m	
1.1.132		Consulting Room 4	1	Consulting Room	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	3	3	Balanced	17	13	11	300	1.8	1000	A	80	Switch	Red Trolley 1.85m	
1.1.133		Entry Unit	1	Entry Unit	28	18	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	0	5	Negative	None	11	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.134		Single Room 23	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m	
1.1.135		Room 23 - Ensuite	1	Bathroom	28	22	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On
1.1.136		Touchdown Base 2	1	CPM Base	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	2 people at 100 l/s per person (1.85m)	2 people at 100 l/s per person (1.85m)	Balanced	17	13	11	200	1.8	1000	A	80	Switch	General working plane 1m	
1.1.137	Receptionist Tidy Bay	1	Waiting Room	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	4 people at 100 l/s per person (1.85m)	4 people at 100 l/s per person (1.85m)	Balanced	17	13	11	300	1.8	None	A	80	Automatic Controls	Desk 0.75m x 0.85m		
1.1.138	Single Room 24	1	Bedroom	25	19	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m		
1.1.139	Room 24 - Ensuite	1	Bathroom	28	22	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On	
1.1.140	Room 25 - Ensuite	1	Bathroom	28	22	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	5	Minimum 10	Negative	None	13	11	200	1.8	None	A	80	Automatic Controls	None On	
1.1.141	Single Room 25	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m		
1.1.142	Senior Charge Nurse Office	1	Cellular Ward Office	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	4	4	Positive	17	13	11	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
1.1.143	Clean Unit	1	Clean Unit	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply Air	6	0	Positive	17	13	11	150	1.8	None	A	80	Automatic Controls	General working plane 1m		
1.1.144	Staff Room	1	Common room staff members	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	5 people at 100 l/s per person (1.85m)	5 people at 100 l/s per person (1.85m)	Balanced	17	13	11	300	1.8	None	A	80	Switch	None On		
1.1.145	Multi-purpose Room	1	Multi Purpose Room	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	0	4	Positive	17	13	11	400	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
1.1.146	Ward 21 Bed	1	Ward 21 Bed	28	18	Active and Radiant Panels	None	No	None	Control Exhaust	Control Exhaust	0	9	Negative	None	11	11	500	1.8	None	A	80	Switch	General working plane 1m	
1.1.147	Touchdown Base 3	1	CPM Base	28	18	Active and Radiant Panels	None	No	Control Exhaust	Control Exhaust	0	2 people at 100 l/s per person (1.85m)	Negative	11	11	11	200	1.8	1000	A	80	Switch	General working plane 1m		
1.1.148	Teaching Room	1	Classroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Control Supply and Exhaust	2 people at 100 l/s per person (1.85m)	40 people at 100 l/s per person (1.85m)	Balanced	17	13	11	300	1.8	None	A	80	Switch	Desk 0.75m x 0.85m		
1.1.149	Entry Unit	1	Entry Unit	28	18	Radiant Panels	Remote Control	No	None	Control Exhaust	Control Exhaust	0	4	Negative	None	11	11	200	1.8	None	A	80	Automatic Controls	None On	
1.1.150	Single Room 7	1	Bedroom	28	18	Radiant Panels	Remote Control	Yes	Controlled Exhaust	Normal & Control Supply Air	4	4	Neutral	17	13	11	100	1.8	300	A	80	Switch	Red Trolley 1.85m		

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Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (pre-cool)	Cooling (night)	Refrigeration Type	Supply (liters/sec)	Exhaust (liters/sec)	Recovery (liters/sec)	Min. In-sulation	Surface Temp	Water Temp	Normal Use	Height (m)	Light (lux)	Stability grade	Colour number	Control	Notes
1.1.067		Room 7 - Ensuite	1	Bathroom	26	20	Radient Panels	None	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.068		Single Room 8	1	Bedroom	23	18	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply Air	10	10	Positive	1.8	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.069		Room 9 - Ensuite	1	Bathroom	26	20	Radient Panels	Remote Control	No	None	Central Daily Exhaust	0	41	None	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.070		Services Entrance/Quart Room	1	Moving Room	20	19	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply and Exhaust	4 people at 15 l/s per person each	4 people at 15 l/s per person each	Filtered	1.7	15	200	1.8	None	A	90	Automatic Controls	Desk 0.75m x 0.9m	
1.1.071		Lower Bay	1	Lower Bay	26	16	Adjustable Space Transducer	None	No	None	Central General Exhaust	0	0	Negative	None	1.8	1.8	190-198	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.072		WC Staff	1	toilet	26	18	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.073		WC Staff	1	toilet	26	18	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.074		Reception/Trinity Bay	1	Person 7 lobby Bay	26	16	Adjustable Space Transducer	None	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.075		Staff Base 2	1	Coffee, Staff Office	26	16	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply and Exhaust	0	0	Negative	1.7	15	200	1.8	None	A	90	Automatic Controls	Desk 0.75m x 0.9m	
1.1.076		Storage Consumables	1	Storage Area Equipment	26	16	Radient Panels	Remote Control	No	None	Central General Exhaust	0	0	Negative	1.7	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.077		Reception Room - Ensuite	1	Bathroom	26	20	Radient Panels	Remote Control	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.078		Lower Bay	1	Landscape/Landscape Storage Bay	26	16	Adjustable Space Transducer	None	No	None	Central General Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.079		WC Staff	1	toilet	26	18	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.080		WC Independent Whirlpool	1	toilet	26	18	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.081		Reception Overnight Stay Room	1	Reception Overnight Stay	26	20	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply Air	4	4	Positive	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.082		Single Room 21	1	Bedroom	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature & Central Supply Air	4	10-15 l/s	Balanced	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.083		Room 21 - Ensuite	1	Bathroom	26	20	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.084		Room 21 - Ensuite	1	Bathroom	26	20	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.085		Lower Bay	1	Landscape/Landscape Storage Bay	26	16	Adjustable Space Transducer	None	No	None	Central General Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.086A		Storage Equipment	1	Storage Area Equipment	26	16	Adjustable Space Transducer	None	No	None	Central General Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.086B		Storage Equipment	1	Storage Area Equipment	26	16	Adjustable Space Transducer	None	No	None	Central General Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.087		Room 20 - Ensuite	1	Bathroom	26	20	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply Air	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.088		Single Room 20	1	Bedroom	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature & Central Supply Air	4	10-15 l/s	Balanced	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.089		Teachroom Base 1	1	Staff base	26	18	Radient Panels	Remote Control	No	None	Central Supply and Exhaust	2 people at 10 l/s per person each	2 people at 10 l/s per person each	Filtered	1.7	15	200	1.8	None	A	90	Switch Damper	Control working plane 1m	
1.1.090		Storage Stationery	1	Storage Area Equipment	26	16	Radient Panels	Remote Control	No	None	Central General Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.091		Single Room 19	1	Bedroom	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature & Central Supply Air	4	10-15 l/s	Balanced	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.092		Room 19 - Ensuite	1	Bathroom	26	20	Radient Panels	Remote Control	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.093		Single Room 18	1	Bedroom	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature & Central Supply Air	4	10-15 l/s	Balanced	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.094		Room 18 - Ensuite	1	Bathroom	26	20	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.095		CSR	1	CSR	26	16	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.096		Reception Hub	1	Reception Hub	26	16	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.097		Bay 1	1	Staff and Ward	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature and Central Supply Air	4	10-15 l/s	Filtered	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.098		Bay 1 - Ensuite	1	Bathroom	26	20	Radient Panels	Remote Control	Yes	Central Exhaust	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.099		Bay 2	1	Staff and Ward	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature and Central Supply Air	4	10-15 l/s	Filtered	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.100		Bay 2 - Ensuite	1	Bathroom	26	20	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.101		Trainers Room	1	Trainers Room	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply Air	18	0	Positive	1.7	15	500	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.102		Room 8 - Lobby	1	Reception Lobby	26	20	Radient Panels	Remote Control	Yes	Central Exhaust	Central Supply Air	56	0	Positive	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.103		Physical Module	4	Changing Room	26	18	Radient Panels	Remote Control	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.104		Teachroom Base 4	1	Staff base	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Central General Exhaust	0	2 people at 10 l/s per person each	Negative	1.8	15	200	1.8	None	A	90	Switch Damper	Control working plane 1m	
1.1.105		Corridor	1	Corridor	26	18	Radient Panels	Remote Control	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.106		Corridor	1	Corridor	26	18	Radient Panels	Remote Control	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.107		Switch Cupboard	1	Switch Cupboard	26	18	Radient Panels	Remote Control	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.108		Switch Cupboard	1	Switch Cupboard	26	18	Radient Panels	Remote Control	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.109		Reception Hub	1	Reception Hub	26	16	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	0	Negative	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.110		Lower Bay	1	Lower Bay	26	16	Adjustable Space Transducer	None	No	None	None	0	0	None	1.8	1.8	190-198	1.8	None	A	90	Automatic Controls	Floor Dr.	
1.1.111		Single Room 7	1	Bedroom	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature & Central Supply Air	4	10-15 l/s	Balanced	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.112		Room 7 - Ensuite	1	Bathroom	26	20	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.113		Single Room 6	1	Bedroom	26	18	Radient Panels	Remote Control	Yes	Central Exhaust	Nature & Central Supply Air	4	10-15 l/s	Balanced	1.7	15	200	1.8	None	A	90	Switch Damper	Bed Trailing 1.45m	
1.1.114		Room 6 - Ensuite	1	Bathroom	26	20	Adjustable Space Transducer	None	No	None	Central Daily Exhaust	0	Minimum 10	Negative	None	1.8	15	200	1.8	None	A	90	Automatic Controls	Floor Dr.
1.1.115		Lower Bay	1	Landscape/Landscape Storage Bay	26	16	Adjustable Space Transducer	None	No	None	None	0	0	None	1.8	1.8	200	1.8	None	A	90	Automatic Controls	Floor Dr.	

Room No	Department	Room Name	On	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling Type	Exhaustion (type)	Supply (lit per sec)	Extract (lit per sec)	Reflow pressure	Min. (lit per sec)	Surface temp	Water temp	Barometric	Height	Local use	Standby grade	Colour number	Control	Plane	
2.12.007		Touchdown Base 3	1	office	24	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Central Supply Air	2 pumps at 110 l/sec (max) 120 l/sec	0	0	Positive	F2	43	14	200	1.8	None	A	81	Switch Damper	Control on hand plane 1m
2.12.016		Single Room 8	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.011		Room 9 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Negative	None	F2	43	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.012		Store	1	Storage Area (Closet)	28	16	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Negative	None	F2	43	14	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.013		Single Room 10	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.014		Room 10 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.015		Single Room 11	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.016		Room 11 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.017		Touchdown Base 3	1	office	24	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Central Supply Air	2 pumps at 110 l/sec (max) 120 l/sec	0	0	Positive	F2	43	14	200	1.8	None	A	81	Switch Damper	Control on hand plane 1m
2.12.018		Single Room 6	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.019		Room 6 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.020		Reception/Waiting Entry	1	Reception/Waiting Entry	28	16	Radon Panels	None	No	None	None	0	0	0	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.021		Single Room 12	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.022		Room 12 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.023		Single Room 3	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.024		Room 3 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.025		Touchdown Base 2	1	office	24	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Central Supply Air	2 pumps at 110 l/sec (max) 120 l/sec	0	0	Positive	F2	43	14	200	1.8	None	A	81	Switch Damper	Control on hand plane 1m
2.12.026		Single Room 14	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.027		Room 14 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.028		Single Room 4	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.029		Room 4 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.030		Entry Lobby	1	Entrance	28	18	Radon Panels	None	No	None	Central Duct Exhaust	0	0	0	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.031		OSR	1	OSR	21	19	Radon Panels	None	No	None	Central Duct Exhaust	0	0	0	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.032		Single Room 13	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.033		Room 13 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.034		Single Room 16	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.035		Room 16 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.036		Single Room 17	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.037		Room 17 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.038		Room 20 - Lobby	1	Reception/Waiting Entry	24	21	Radon Panels	None	No	None	Central Duct Exhaust	0	0	0	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.039		Single Room 20	1	Bedroom	28	20	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.040		Room 20 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	0	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.041		Single Room 2	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.042		Room 2 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.043		Single Room 7	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.044		Room 7 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.045		Touchdown Base 1	1	office	24	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Central Supply Air	2 pumps at 110 l/sec (max) 120 l/sec	0	0	Positive	F2	43	14	200	1.8	None	A	81	Switch Damper	Control on hand plane 1m
2.12.046		Single Room 18	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.047		Room 18 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.048		Single Room 19	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.049		Room 19 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.050		Single Room 5	1	Bedroom	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Return & Central Supply Air	4	4	no return	Balanced	F2	43	11	120	5	300	A	81	Switch Damper	Bed - Toplay 1.45m
2.12.051		Room 5 - Ensuite	1	Bathroom	28	20	Radon Panels	Remote Setpoint AS	No	None	Central Duct Exhaust	0	0	Minimum 15	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On
2.12.052		Clean Entry	1	Clean Entry	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Central Supply Air	0	0	0	Positive	F2	43	11	120	1.8	None	A	81	AUTO AIR Controls	Control on hand plane 1m
2.12.053		Intercom Room	1	Monitoring Room	28	18	Radon Panels	Remote Setpoint AS	Yes	Control Cooling Fresh Air	Central Supply and Fresh Air	4 pumps at 110 l/sec (max) 120 l/sec	4 pumps at 110 l/sec (max) 120 l/sec	Balanced	F2	43	1.8	120	1.8	None	A	81	Switch Damper	Desk 0.75 to 0.95m	
2.12.054		Entry Lobby	1	Entrance	28	18	Radon Panels	None	No	None	Central Duct Exhaust	0	0	0	Negative	None	1.8	11	200	1.8	None	A	81	AUTO AIR Controls	Floor On

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Room No.	Department	Room Name	Qty	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (prepaid)	Cooling (type)	Exhaustion (type)	Supply (liters)	Exhaust (liters)	Reflow process	SW (liters)	Surface temp	Water temp	Normal lit	Height	Lot #	Standby (code)	Colour number	Control	Panel	
2.12.100		Touchdown Base 5	1	Soft Bank	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply AS	2. Control of 12.5 per person 13.5m	2. Control of 12.5 per person 13.5m	Balance	RT	43	4.4	200.200	4.4	1000	A	80	Switch Damper	General working plane 1m	
2.12.101		Touchdown Base 4	1	Soft Bank	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply & Exhaust	2. Control of 12.5 per person 13.5m	2. Control of 12.5 per person 13.5m	Balance	RT	43	4.4	200.200	4.4	1000	A	80	Switch Damper	General working plane 1m	
2.12.102		Single Room 22	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.103		Room 22 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.104		Single Room 21	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.105		Room 21 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.106		Single Room 9	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.107		Room 9 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.108		Single Room 8	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.109		Room 8 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.110		Room 20 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.111		Single Room 20	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.112		Living Bar	1	Living Room / Supervisor Storage Room	28	18	Adjustable Space Transpire AS	None	No	None	Central Exhaust	0	0	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.113		Single Room 18	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.114		Room 18 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.115		Touchdown Base 3	1	Soft Bank	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply AS	2. Control of 10.5 per person 13.5m	0	Positive	RT	43	4.4	200.200	4.4	1000	A	80	Switch Damper	General working plane 1m	
2.12.117		Single Room 7	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.118		Room 7 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.119		Single Room 6	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.120		Room 6 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.121		Single Room 16	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.122		Room 16 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.123		Single Room 5	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.124		Room 5 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.125		Single Room 4	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.126		Room 4 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.127		Dry Utility	1	Dry Utility	28	18	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	0	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.128		OSM	1	OSM	24	18	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	0	Negative	None	4.4	4.4	100	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.129		Touchdown Base 2	1	Soft Bank	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply AS	2. Control of 10.5 per person 13.5m	0	Positive	RT	43	4.4	200.200	4.4	1000	A	80	Switch Damper	General working plane 1m	
2.12.130		Single Room 3	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.131		Room 3 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.132		Single Room 2	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.133		Room 2 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.134		Room 1 Lobby	1	Lobby / Elevator	28	24	Frame AS - Remote AS	Adjustable	Yes	Control Coolest Fresh Air	Central Supply	17	0	Positive	RT	44	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.135		Single Room 1	1	Bedroom	28	20	Adjustable Space Transpire AS	OSM Adjustment Control	Yes	Control Coolest Fresh Air	Supply AS/Frame	17	0	no exhaust	Balance	RT	44	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.138		Room 1 - Ensuite	1	Isolation - Shower - Rope Barrier	28	20	Adjustable Space Transpire AS	None	No	None	Duty Exhaust	0	0	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.139		Touchdown Base 1	1	Soft Bank	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply AS	2. Control of 10.5 per person 13.5m	0	Positive	RT	43	4.4	200.200	4.4	1000	A	80	Switch Damper	General working plane 1m	
2.12.139		Room 15 - Ensuite	1	Bathroom	28	20	Radical Panels	Remote Sensor AS	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.139		Single Room 16	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.140		Single Room 15	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Normal & Central Supply AS	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.141		Room 15 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	Minimum 10	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.142		Single Room 11	1	Bedroom	28	18	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply and Exhaust	4	4	no exhaust	Balance	RT	43	4.4	100	5	300	A	80	Switch Damper	Bed - Endley 1.45m
2.12.143		Room 17 - Ensuite	1	Bathroom	28	20	Adjustable Space Transpire AS	None	No	None	Central Duty Exhaust	0	0	Negative	None	4.4	4.4	200	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.144		Living Bar	1	Living Bar	28	18	Adjustable Space Transpire AS	None	No	None	Duty Exhaust	0	0	Negative	None	4.4	4.4	100	4.4	None	A	80	AJRM 300 Controls	Floor 0m	
2.12.152		Physical Mail room	1	Conveying Room	25	15	Radical Panels	Remote Sensor AS	Yes	Control Coolest Fresh Air	Central Supply and Exhaust	3	3	Balance	RT	43	4.4	200	4.4	None	A	80	Switch Damper	Bed - Endley 1.45m	
2.12.153		Shoe	1	Shoe	28	18	Radical Panels	Remote Sensor AS	None	No	None	Central Supply Exhaust	0	0	Negative	None	4.4	4.4	200.200	4.4	None	A	80	AJRM 300 Controls	Floor 0m

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Room No	Department	Room Name	Qty	Room Function	Area (sq ft)	Area (sq m)	Building Type	Building Material	Coating (Interior)	Coating (Exterior)	Insulation (Roof)	Supply (Air %)	Exhaust (Air %)	Relative Humidity	Min. Illumination	Surface Temp	Water Temp	Humidity (Rel)	Height (ft)	Local (ft)	Stability (grade)	Color (interior)	Control	Flow	
2.12.101		Corridor	1	Corridor	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	0	0	6.5	None	45	65	220	6.4	None	6	80	Automatic Control	Flow On	
2.12.143		Corridor	1	Corridor	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	0	0	6.5	None	45	65	200	6.4	None	6	80	Automatic Control	Flow On	
2.12.148		Corridor	1	Corridor	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	0	0	6.5	None	45	65	200	6.4	None	6	80	Automatic Control	Flow On	
2.12.147		Corridor	1	Corridor	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	0	0	6.5	None	45	65	200	6.4	None	6	80	Automatic Control	Flow On	
2.12.145		Corridor	1	Corridor	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	0	0	6.5	None	45	65	200	6.4	None	6	80	Automatic Control	Flow On	
2.12.151		Corridor	1	Corridor	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	0	0	6.5	None	45	65	200	6.4	None	6	80	Automatic Control	Flow On	
2.12.149		Switch Cup	1	Switch Cup	100	9.3	RC Composite	App. 1 inch thick	None	None	None	None	0	0	6.5	None	6.4	6.4	170	6.4	None	6	80	Automatic Control	Flow On
2.12.150		Switch Cup	1	Switch Cup	100	9.3	RC Composite	App. 1 inch thick	None	None	None	None	0	0	6.5	None	6.4	6.4	170	6.4	None	6	80	Automatic Control	Flow On
2.12.154		Switch Cup	1	Switch Cup	100	9.3	RC Composite	App. 1 inch thick	None	None	None	None	0	0	6.5	None	6.4	6.4	170	6.4	None	6	80	Automatic Control	Flow On
G.M. 000		Consulting Room 1 (Professional)	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m
G.M. 002		Consulting Room 7 (Professional)	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m
G.M. 004		Staff Room	1	Staff Room	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m
G.M. 005		WC - Mechanical accessible	1	WC	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On
G.M. 006		WC - Men	1	WC	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On
G.M. 007	Consulting Room 3 (Professional)	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 008	Physical Measurement	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	General working plane 1m	
G.M. 009	Consulting Room 4 (Professional)	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 010	File Cabinet Room Office 1	1	Cellular - Ward Office	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 011	Consulting Room 1	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 012	Consulting Room 10	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 013	Consulting Room 2	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 014	Consulting Room 19	1	Environment Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 015	Consulting Room 3	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 016	Office 101	1	Office	28	2.6	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 017	Consulting Room 4	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 018	Consulting Room 5	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 019	Consulting Room 6	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 020	Consulting Room 7	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 021	Consulting Room 8	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 022	Consulting Room 8	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 023	Consulting Room 10	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 024	Consulting Room 11	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 025	Consulting Room 12	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 027	Consulting Room 14	1	Consulting Room	25	2.3	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 028	Senior Change Home Office	1	Office	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 029	Outdoors Management Office	1	Cellular - Ward Office	28	2.6	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 031	Staff Room	1	Staff Room	28	2.6	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Positive	17	43	41	300	6.4	1000	6	80	Switch	Red - Supply 1.45m	
G.M. 033	Men Waiting	1	Waiting Room	28	2.6	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Balanced	17	43	41	300	6.4	1000	6	80	Switch	Flow On	
G.M. 034	WC - Men	1	WC	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 035	WC - Women	1	WC	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 036	Staff Room	1	Staff Room	28	2.6	Robust Panels	Reman Ceiling AG	Yes	Leaking Ceiling (Cold Water)	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 037	Men - Lined Support Programme & Station	1	Storage Area (Subsidiary)	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 038	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 039	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 040	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 041	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 042	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 043	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 044	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 045	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	
G.M. 046	Storage Area	1	Storage Area	28	2.6	Robust Panels	Reman Ceiling AG	Yes	None	None	Central Supply and Exhaust	3	3	Negative	None	6.4	6.4	200	6.4	None	6	80	Automatic Control	Flow On	

Room No.	Department	Room Name	Qty	Room Function	Temp (high)	Temp (low)	Heating Type	Heating Control	Cooling (space)	Cooling (type)	Exhaust (type)	Supply (type)	Exhaust (type)	Response (type)	Min. Return	Surface (type)	Flame (type)	Normal (type)	Height (type)	Exhaust (type)	Standby (type)	Control (type)	Control (type)	Plane
2-04-012	DCM Neurophysiology	CTEM Laboratory Review Room	1	Diagnostic room	25	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	19	81	300	1000	8	80	Switch Damper	General working plane 1m	
2-04-013		Office of Physiological Room	1	Office - Ward Offices	24	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	5	5	Positive	7.7	11	81	300	1000	8	80	Switch	Deck 0.75 to 0.85m	
2-04-014		ATC Room	1	Admin	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	10	Negative	None	11	81	300	1000	8	80	Automatic Controls	Floor On	
2-04-016		Store - Records	1	Storage Area Equipment	26	18	Radiant Panels	Remote Control AS	Yes	None	None	Central Exhaust	0	0	Negative	None	11	81	200	1000	8	80	Automatic Controls	Floor On
2-04-017		EEO Recording Room 3	1	Diagnostic room	25	18	Warm Air - Forced Bottom	HEAT Adjustment Sensor	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch Damper	General working plane 1m	
2-04-018		EEO Recording Room 4	1	Diagnostic room	25	18	Warm Air - Forced Bottom	HEAT Adjustment Sensor	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch Damper	General working plane 1m	
2-04-019		EEO Recording Room 5	1	Diagnostic room	25	18	Warm Air - Forced Bottom	HEAT Adjustment Sensor	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch Damper	General working plane 1m	
2-04-020		Control	1	Control	28	18	Radiant Panels	Remote Control AS	No	None	None	None	0	0	Negative	None	12	81	300	1000	8	80	Automatic Controls	Floor On
2-04-021		Control	1	Control	28	18	Radiant Panels	Remote Control AS	No	None	None	None	0	0	Positive	9.2	12	81	200	1000	8	80	Automatic Controls	Floor On
2-04-022		Switch Cabinet 1	1	Switch Cup	None	None	None	None	None	None	None	0	0	Negative	None	11	81	300	1000	8	80	Automatic Controls	Floor On	
2-04-022	Switch Cabinet 2	1	Switch Cup	None	None	None	None	None	None	None	0	0	Negative	None	11	81	300	1000	8	80	Automatic Controls	Floor On		
0-01-001	DCM Entrance	Reception - Infant Sun Deck	1	Reception	28	18	underfloor heating	HEAT Adjustment Sensor	Yes	Leading Ceiling Chilled Water	Central Supply Air	8	8	Balance	8.1	13	81	300	1000	8	80	None	Deck 1.75 to 0.85m	
0-01-002		Drainage Lobby	1	Children Areas - Entrance Lobby	28	Not Controlled	Warm Air Data Outlet	HEAT Adjustment Sensor	Yes	None	None	0	0	Negative	None	13	81	200	1000	8	80	Automatic Controls	Floor On	
0-01-003		WC - wheelchair accessible	1	Admin	28	18	Radiant Panels	Remote Control AS	No	None	Central Exhaust	0	10	Negative	None	13	81	300	1000	8	80	Automatic Controls	Floor On	
0-01-004		WC - Toilets	1	Admin	28	18	Radiant Panels	Remote Control AS	No	None	Central Exhaust	0	10	Negative	None	13	81	200	1000	8	80	Automatic Controls	Floor On	
0-01-005		Washing Bay	1	Entrance Footwear Storage Bay	28	18	underfloor heating	HEAT Adjustment Sensor	No	None	None	0	0	Negative	None	11	81	200	1000	8	80	Automatic Controls	Floor On	
0-01-006		Washing Machine	1	Washing Machine	28	18	underfloor heating	HEAT Adjustment Sensor	Yes	None	None	0	0	Negative	None	13	81	300	1000	8	80	Automatic Controls	Floor On	
0-01-007		Washing Area	1	Washing Room	28	18	underfloor heating	HEAT Adjustment Sensor	Yes	Central Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.1	13	81	300	1000	8	80	Switch	Floor On	
0-01-008		Mirrored	1	Mirrored	Not Controlled	Not Controlled	None	None	None	None	None	0	0	Negative	None	13	81	300	1000	8	80	Automatic Controls	Floor On	
2-02-001	DCM Ward - Health Records Support Unit	Staff Room	1	Common work/staff room lounge	28	18	Radiant Panels	Remote Control AS	Yes	Central Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch	Floor On	
2-02-002		Delta Bay	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control AS	No	None	Central Supply and Exhaust	0	0	Negative	None	12	81	200	1000	8	80	Automatic Controls	Floor On	
2-02-003		Change table room	1	Diagnostic room	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	0	Negative	None	11	81	300	1000	8	80	Automatic Controls	Floor On	
2-02-004		OSR	1	OSR	24	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	0	Negative	None	11	81	100	1000	8	80	Automatic Controls	Floor On	
0-02-001		Control	1	Control	28	18	Radiant Panels	Remote Control AS	No	None	None	0	0	Negative	None	13	81	300	1000	8	80	Automatic Controls	Floor On	
0-03-001	DCM Ward - Health Records Support Unit	Physical Measurement Bay	1	Consulting Room	25	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	3	3	Balance	7.2	13	81	300	1000	8	80	Switch	General working plane 0m	
0-03-002		Single Room 1	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch / Damper	Bed - Trailing 1.45m	
0-03-003		Room 1 - Ensuite	1	Bath	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	10	Negative	None	11	81	200	1000	8	80	Automatic Controls	Floor On	
0-03-004		Single Room 2	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch / Damper	Bed - Trailing 1.45m	
0-03-005		Room 2 - Ensuite	1	Bath	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	10	Negative	None	11	81	200	1000	8	80	Automatic Controls	Floor On	
0-03-006		Consulting Room 3	1	Consulting Room	25	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	4	3	Positive	7.7	13	81	300	1000	8	80	Switch	Bed - Trailing 1.45m	
0-03-007		Consulting Room 4	1	Consulting Room	25	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	4	3	Positive	7.7	13	81	300	1000	8	80	Switch	Bed - Trailing 1.45m	
0-03-008		Interview Room - (OSR)	1	Meeting Room	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch	Deck 0.75 to 0.85m	
0-03-009		Single Room 3 - Ensuite	1	Bathroom	24	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch / Damper	Bed - Trailing 1.45m	
0-03-010		Room 3 - Ensuite	1	Bath	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	10	Negative	None	11	81	200	1000	8	80	Automatic Controls	Floor On	
0-03-011		Discharge Lounge	1	Common room staff work lounge	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	0	0	Negative	None	13	81	300	1000	8	80	Switch	Floor On	
0-03-012		WC - wheelchair accessible	1	Bath	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	10	Negative	None	12	81	300	1000	8	80	Automatic Controls	Floor On	
0-03-013		Interview Room - (OSR)	1	Meeting Room	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Balance	8.7	13	81	300	1000	8	80	Switch	Deck 0.75 to 0.85m	
0-03-014		Single Utility (Support Unit)	1	Utility Utility	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply Air	8	0	Positive	6.7	13	81	150	1000	8	80	Automatic Controls	General working plane 1m	
0-03-015		Pantry (OSR)	1	Pantry	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	0	Negative	7.7	13	81	300	1000	8	80	Switch	Floor On	
0-03-016		Shower for Parking Bay	1	Shower for Equipment Storage Bay	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	0	Positive	7.7	13	81	200	1000	8	80	Automatic Controls	Floor On	
0-03-017		Green Bay	1	Green Bay	28	18	Adjustable Louver Translucent AS	None	No	None	None	None	0	0	Negative	None	11	81	100	1000	8	80	Automatic Controls	Floor On
0-03-018		WC - Toilets	1	Bath	28	18	Adjustable Louver Translucent AS	None	No	None	Central Exhaust	0	10	Negative	None	11	81	200	1000	8	80	Automatic Controls	Floor On	
0-03-019		Bed Room - (Support Unit)	1	Bedroom	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply and Exhaust	8	8	Positive	7.7	13	81	300	1000	8	80	Switch / Damper	Deck 0.75 to 0.85m	
0-03-020		Receiving Clean Utility	1	Clean Utility	28	18	Radiant Panels	Remote Control AS	Yes	Leading Ceiling Chilled Water	Central Supply Air	8	0	Positive	7.7	13	81	150	1000	8	80	Automatic Controls	General working plane 1m	

Room No	Department	Room Name	Qty	Room Function	Temp (heat)	Temp (cool)	Heating Type	Heating Control	Cooling (preheat)	Cooling (reheat)	Ventilation (type)	Supply (rate ft ³)	Exhaust (rate ft ³)	Relative pressure	Min. (Wetbulb)	Surface Temp	Water Temp	Normal (ft ³)	Height (ft)	Local (ft)	Standby grade	Colour (walls)	Control	Plane	
PH 021		Recovery Test Utility	1	Dirty Utility	78	78	Airflow Control Transpire Air	None	No	None	Control Units Exhaust	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 021		Recovery	1	Recovery Bay Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	15	13	Balanced	0.7	43	41	500	n/a	None	A	90	Switch Damper	Bed Tray 1.45m	
PH 021		Recovery Bay 1	1	Recovery Bay Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	15	13	Balanced	0.7	43	41	500	n/a	None	A	90	Switch Damper	Bed Tray 1.45m	
PH 026		Recovery Bay 19	1	Recovery Bay Recovery Room	25	20	Radiant Panels	Remote Control AS	No	Control Units Exhaust	Control Supply and Exhaust	15	13	Balanced	0.7	43	41	500	n/a	None	A	90	Switch Damper	Bed Tray 1.45m	
PH 027		Lean Bay	1	Lean Bay	29	18	Adaptive Control Transpire Air	None	No	None	Control Units Exhaust	0	0	Positive	0.7	n/a	n/a	100 (425)	n/a	None	A	90	4 Air Jet Controls	Flow On	
PH 028		Recovery Sort Area	1	Cellular Ward Office	29	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	4	3	Positive	0.7	41	41	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
PH 029		Post Op Recovery	1	Recovery Bay Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	15	12	Balanced	0.7	43	41	500	n/a	None	A	90	Switch Damper	Bed Tray 1.45m	
PH 031		Bay 5	1	Recovery Bay Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	15	13	Balanced	0.7	43	41	500	n/a	None	A	90	Switch Damper	Bed Tray 1.45m	
PH 032		Bay 6	1	Recovery Bay Recovery Room	25	20	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	15	13	Balanced	0.7	43	41	500	n/a	None	A	90	Switch Damper	Bed Tray 1.45m	
PH 032		Threat 30	1	Operating Threat Suite	21	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	25	0	Positive	0.7	43	41	1000	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 033		Analytical Room 30	1	Operating Threat Suite	22	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	15	15	Balanced	0.7	43	41	500	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 034		Scrub Room 30	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	0	12	Negative	None	n/a	41	300	n/a	None	A	90	Switch	General working plane 1m	
PH 035		Cellular 11 Phone Booth	1	Cellular Ward Office	28	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	0	0	Balanced	0.7	43	n/a	300	n/a	None	A	90	3 Air Jet Controls	Desk 0.75 to 0.85m	
PH 036		Image Intake Bay	1	Cellular Equipment Storage Bay	28	18	Adaptive Control Transpire Air	None	No	None	Control Units Exhaust	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	4 Air Jet Controls	Flow On	
PH 036		Scrub Plenum Bay	1	Clean Utility	21	18	Adaptive Control Transpire Air	None	No	None	Control Supply Air	0	0	Positive	0.7	n/a	n/a	350	n/a	None	A	90	Automatic Controls	General working plane 1m	
PH 039		Preparation Room 31	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply Air	10	0	Positive	0.7	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
PH 041		IT Bay	1	Operating Threat Suite	25	18	Radiant Panels	Remote Control AS	No	None	None	0	0	n/a	None	43	n/a	300	n/a	None	A	90	4 Air Jet Controls	Flow On	
PH 041		Joby Room	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control General Exhaust	0	39	Negative	None	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
PH 042		Bioscience Parking Bay	1	Cellular Equipment Storage Bay	28	18	Adaptive Control Transpire Air	None	No	None	Control General Exhaust	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 043		4 Way Lockup Bay	1	Cellular Equipment Storage Bay	28	18	Adaptive Control Transpire Air	None	No	None	Control General Exhaust	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	4 Air Jet Controls	Flow On	
PH 044		Threat 31	1	Operating Threat Suite	21	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	24	7	Positive	0.2	41	41	1000	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 045		Preparation Room 31	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply Air	10	0	Positive	0.7	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
PH 046		Scrub Room 31	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control General Exhaust	0	12	Negative	n/a	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
PH 047		Analytical Room 31	1	Operating Threat Suite	22	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	15	15	Balanced	0.7	43	41	500	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 048		CCP	1	CCP	28	18	Adaptive Control Transpire Air	None	No	None	Control Units Exhaust	0	0	Negative	None	n/a	50	100	n/a	None	A	90	Automatic Controls	Flow On	
PH 048		Clean Scrub Store	1	Storage Area Equipment	28	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply Air	0	0	Positive	0.7	43	n/a	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 050		Threat 32	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	25	7	Positive	0.7	43	41	500	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 051		MRP Personnel	1	Cellular Ward Office	28	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	4	3	Positive	0.7	43	n/a	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
PH 052		MR Room	1	Room	26	18	Adaptive Control Transpire Air	None	No	None	Control Units Exhaust	0	0	Negative	None	n/a	41	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 053		MR Room	1	General room with common lounge	26	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	15 people at 10 ft ³ per person each	30 people at 10 ft ³ per person each	Balanced	0.7	43	41	300	n/a	None	A	90	Switch	Flow On	
PH 054		Sub G at 415	1	Wetlab Room	18	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply and Exhaust	3 people at 10 ft ³ per person each	3 people at 10 ft ³ per person each	Balanced	0.7	43	n/a	300	n/a	None	A	90	4 Air Jet Controls	Flow On	
PH 055		Holding Bay 2	1	Cellular Equipment Storage Bay	28	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Units Exhaust	4	0	Positive	0.7	41	41	200	n/a	None	A	90	Automatic Controls	Bed Tray 1.45m	
PH 056		Holding Bay 1	1	Cellular Equipment Storage Bay	28	18	Radiant Panels	Remote Control AS	Yes	Control Units Exhaust	Control Supply	4	0	Positive	0.7	43	41	200	n/a	None	A	90	Automatic Controls	Bed Tray 1.45m	
PH 057		Tray Bay	1	Cellular Equipment Storage Bay	28	18	Adaptive Control Transpire Air	None	No	None	Control Supply	11	0	Positive	0.7	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 058		Antagonists Preparation Human Room	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	0	0	Balanced	0.7	43	n/a	300	n/a	None	A	90	Switch	General working plane 1m	
PH 059		Ango Preparation Room	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply Air	10	0	Positive	0.7	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
PH 060		Tray Bay	1	Cellular Equipment Storage Bay	28	18	Adaptive Control Transpire Air	None	No	None	None	0	0	n/a	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 061		MR Interceptor Accessible	1	Door	28	18	Adaptive Control Transpire Air	None	No	None	Control Units Exhaust	0	0	Negative	None	n/a	41	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 062		MR3 Preparation Room	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	15	12	Balanced	0.7	43	41	500	n/a	None	A	90	Switch	Bed Tray 1.45m	
PH 064		MR3	1	Diagnostic room	25	18	Warm air in AHU Battery	MR3 Adaptive Control	Yes	Cooling Battery	Control Supply and Exhaust	15 2.75 Therms Made	8	0	Positive	0.7	43	n/a	300	n/a	None	A	90	Switch Damper	General working plane 1m
PH 065		MR3 - Control Room	1	Cellular Ward Office	25	18	Radiant Panels	Remote Control AS	Yes	Wall Mounted Unit	Control Supply and Exhaust	4	3	Positive	0.7	43	n/a	300	n/a	None	A	90	Switch	Desk 0.75 to 0.85m	
PH 066		Ango Assessment Room	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	15	13	Balanced	0.7	43	41	500	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 067		4 of Bay 6	1	Operating Threat Suite	25	18	Adaptive Control Transpire Air	None	No	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	90	Automatic Controls	Bed Tray 1.45m	
PH 068		Equipping Room MR3	1	Storage Area Equipment	28	18	Adaptive Control Transpire Air	None	No	None	Control General Exhaust	0	0	Negative	None	n/a	n/a	200	n/a	None	A	90	Automatic Controls	Flow On	
PH 069		Analytical Room 3T	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	15	15	Balanced	0.7	43	41	500	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 071		Threat 3T	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply and Exhaust	25	7	Positive	0.7	43	n/a	1000	n/a	10 000 100 000	A	90	Switch	Bed Tray 1.45m	
PH 072		Scrub Room 3T	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control General Exhaust	0	12	Negative	None	n/a	41	300	n/a	None	A	90	Switch	General working plane 1m	
PH 073		Prep Room 3T	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control Supply Air	10	0	Positive	0.7	43	41	500	n/a	None	A	90	Switch	General working plane 1m	
PH 074		Scrub Room 3T	1	Operating Threat Suite	25	18	Warm air in AHU Battery	Adjustable	Yes	Control Units Exhaust	Control General Exhaust	0	12	Negative	None	n/a	41	300	n/a	None	A	90	Switch	General working plane 1m	

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Room No	Department	Room Name	Qty	Room Function	Temp (heat)	Temp (cool)	Heating Type	Heating Control	Cooling (pre-cool)	Cooling	Exhaust Type	Supply (per person)	Exhaust (per person)	Return port type	Min. Airflow	Surface Temp	Room Temp	Normal hrs	High hrs	Local fan	Standby grade	Control number	Control	Flow	
1.P1.011	Operating Theatres & RHSC Surgical Day Case Unit	Anaesthetic Room 25	1	Operating Theatre Suite	25	19	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	15	15	Return	2.7	22	22	1000	0.5	10000	100000	A	90	Switch	Red - Tealby 1.45m
1.P1.015		Prep Room 31	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	15	0	Positive	2.7	22	22	1000	0.5	None	0	90	Switch	General working plane fan	
1.P1.016		End Box 5	1	Operating Theatre Suite	25	18	Warm air on AHU Return	None	No	None	None	0	0	n.a.	None	n.a.	200	n.a.	None	0	90	Control	Red - Tealby 1.45m		
1.P1.017		Utility Room 5	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	0	30	Negative	None	25	22	500	n.a.	10000	100000	A	90	Switch	General working plane fan
1.P1.018		Theatre 28	1	Operating Theatre Suite	25	19	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	20	7	Positive	2.7	22	22	1000	n.a.	10000	100000	A	90	Switch	Red - Tealby 1.45m
1.P1.020		Prep Room 36	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	15	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Switch	General working plane fan	
1.P1.023		Scrub Room 38	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	0	12	Negative	None	1.8	22	1000	n.a.	None	0	90	Switch	General working plane fan	
1.P1.083		Detention 11 Shower Booth	1	Cellular Ward Offices	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	2 people @ 10 l/s per person (20 l/s)	2 people @ 10 l/s per person (20 l/s)	Return	2.7	22	22	1000	n.a.	None	0	90	Control	Down 0.75 to 0.50m	
1.P1.084		Image Membrane Bay	1	Cellular Ward Offices	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	2	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.085		Detention 11 Shower Booth	1	Cellular Ward Offices	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	2 people @ 10 l/s per person (20 l/s)	2 people @ 10 l/s per person (20 l/s)	Return	2.7	22	22	1000	n.a.	None	0	90	Control	Down 0.75 to 0.50m	
1.P1.086		Medical Gas Cylinder Store	1	Storage Area	28	14	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	2	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.087		Medical Equipment Store	1	Storage Area	28	14	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	2	Negative	None	n.a.	100	n.a.	None	0	90	Control	Down fan		
1.P1.088		IPC Room	1	IPC Room	30	19	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	2	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.089		DCN Management Office	1	Cellular Ward Offices	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	2 people @ 10 l/s per person (20 l/s)	2 people @ 10 l/s per person (20 l/s)	Return	2.7	22	22	1000	n.a.	None	0	90	Control	Down 0.75 to 0.50m	
1.P1.090		Life Line (airlock) and control room	1	Life Line	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	5	Negative	None	25	22	1000	n.a.	None	0	90	Control	Down fan	
1.P1.091		Theatre 28	1	Operating Theatre Suite	25	19	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	25	7	Positive	2.7	22	22	1000	n.a.	10000	100000	A	90	Switch	Red - Tealby 1.45m
1.P1.092		Utility Room 6	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	0	30	Negative	n.a.	25	22	1000	n.a.	10000	100000	A	90	Switch	General working plane fan
1.P1.093		Anaesthetic Procedures Room	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	25	0	Positive	2.7	22	22	1000	n.a.	10000	100000	A	90	Switch	Red - Tealby 1.45m
1.P1.094		Preparation for endoscopy theatre	1	Operating Theatre Suite	25	18	Warm air on AHU Return	Adjustable	Yes	Variable Volume	Local Exhaust	4	3	Positive	2.7	22	22	1000	n.a.	10000	100000	A	90	Control	Down 0.75 to 0.50m
1.P1.095		Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan	
1.P1.096		Image Membrane Bay	1	Cellular Ward Offices	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	10	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.098		IPC Staff	1	IPC Room	28	19	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	10	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.099		Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan	
1.P1.100		Endoscopy Theatre (1)	1	Changing Facilities	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	Down fan	
1.P1.101		Endoscopy Theatre (2)	1	Changing Facilities	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Negative	None	n.a.	100	200	n.a.	None	0	90	Control	Down fan	
1.P1.102		Life Line (Control) and Locker	1	Changing Facilities	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	Down fan	
1.P1.103		Forward Machine Washing Area	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.104		Oper. Utility	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.105		Oper. Utility	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.106		Oper. Utility	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan	
1.P1.107		Medical Gas Cylinder Store	1	Storage Area	28	14	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.108		Life Line	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Negative	None	n.a.	200	n.a.	None	0	90	Control	Down fan		
1.P1.109	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.110	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.111	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.112	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.113	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.114	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.115	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.116	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.117	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.118	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.119	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.120	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.121	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.122	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.123	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.124	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.125	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.126	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.127	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.128	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.129	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.130	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.131	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		
1.P1.132	Scrub Supplies Store	1	Oper. Utility	28	18	Radial Panels	Remote Control	Yes	Variable Volume	Local Exhaust	0	0	Positive	2.7	22	22	1000	n.a.	None	0	90	Control	General working plane fan		

Room No	Department	Room Name	CR	Room Function	Temp (year)	Temp (week)	Heating Type	Heating Control	Cooling (year)	Cooling (week)	Ventilation (year)	Supply (per sq ft)	Extract (per sq ft)	Relative Humidity	Min. Humidity	Surface Temp	Water Temp	Return Air	Height (ft)	Local Use	Standby grade	Control	Alarm	
1.P1.133		South Room 32	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	12	Negative	8	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.134		Prep Room 32	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply Air	11	0	Positive	87	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.135		End Bay	1	Operating Theatre Suite	25	18	Warm air in AHU Return	None	No	None	None	0	0	n/a	None	n/a	n/a	300	n/a	None	A	90	Automatic Controls	Bed Endbay 1.45m
1.P1.136		Prep Room 33	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply Air	11	0	Positive	87	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.137		South Room 33	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	12	Negative	8	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.138		Anaesthetic Room 33	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	15	15	Balanced	87	83	81	500	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.141		Endbay 34	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	29	7	Positive	87	83	n/a	1000	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.141		Anaesthetic Room 34	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	15	15	Balanced	87	83	81	500	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.142		RHC/PP Management Office	1	Cellular Ward Office	25	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	4	2	Positive	87	83	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.144		Inter-ward Bay	1	Corridor to patient storage Bay	23	n/a	Advanced DC Fan Transpire Air	None	No	None	Central General Exhaust	0	2	Negative	None	n/a	n/a	250	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.145		Daybay 14 Phone Room	1	Cellular Ward Office	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	Controlled at 13 people per person	Controlled at 13 people per person	Balanced	87	83	n/a	300	n/a	None	A	80	Automatic Controls	Desk 0.75 to 0.85m
1.P1.146		Clinical Equipment Store	1	Storage Area Equipment	23	18	Radfan Panels	Remote Control Adj	No	None	Central General Exhaust	0	3	Negative	None	82	n/a	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.147		Office Suite	1	Cellular Ward Office	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	8	6	Positive	87	83	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.148		South Room 34	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	12	Negative	8	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.149		Prep Room 34	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply Air	10	0	Positive	87	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.151		End Bay	1	Operating Theatre Suite	25	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	0	0	n/a	None	83	n/a	300	n/a	None	A	80	Automatic Controls	Bed Endbay 1.45m
1.P1.152		Utility Room	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	30	Negative	None	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.153		Prep Room 35	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply Air	10	0	Positive	87	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.154		South Room 35	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	12	Negative	8	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.155		Theatre 36	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	25	7	Positive	87	83	n/a	1000	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.156		Anaesthetic Room 35	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	15	15	Balanced	87	83	81	500	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.158		Dry Storage Store	1	Dry Storage	23	18	Advanced DC Fan Transpire Air	None	No	None	Central General Exhaust	0	3	Negative	None	n/a	81	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.159		Store - Washer	1	Storage Area Equipment	24	18	Advanced DC Fan Transpire Air	None	No	None	Central General Exhaust	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.161		Chlorine 40	1	Chemical Store	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	5	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.162		Staff Reception Unit - Central Room	1	Reception	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	8	4	Positive	87	83	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.163		OSR	1	OSR	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	6	Negative	None	n/a	80	300	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.164		Changing Cubicle 2	1	Changing Facilities	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	6	8	Positive	87	83	n/a	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.165		Changing Cubicle 1	1	Changing Facilities	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	5	8	Positive	87	83	n/a	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.167		Changing Cubicle 3	1	Changing Facilities	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	5	8	Positive	87	83	n/a	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.168		WC - Whichever accessible	1	Toilet	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	10	Negative	None	n/a	81	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.169		WC - Whichever accessible	1	Toilet	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	10	Negative	None	n/a	81	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.170		Intermediate Pre-Exhaust Wall	1	Waiting Room	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	5	5	Balanced	87	83	81	300	n/a	None	A	80	Switch	Bed Endbay 1.45m
1.P1.171		WC - Cor	1	Toilet	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	10	Negative	None	n/a	81	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.172		Senior Charge Nurse Office	1	Cellular Ward Office	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	4	3	Positive	87	83	n/a	200	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.173		Lock-in Bay	1	Changing Facilities	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	5	8	Positive	87	83	n/a	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.174		General Office	1	Cellular Ward Office	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	4	3	Positive	87	83	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.175		Reception	1	Reception	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply Air	3	0	Positive	87	83	n/a	300	n/a	None	A	80	Switch	Desk 0.75 to 0.85m
1.P1.176		Consulting Room 6	1	Consulting Room	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	3	3	Balanced	87	83	81	300	n/a	1000	A	80	Switch	Bed Endbay 1.45m
1.P1.177		Consulting Room 7	1	Consulting Room	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	3	3	Balanced	87	83	81	300	n/a	1000	A	80	Switch	Bed Endbay 1.45m
1.P1.178		Main Waiting Pk & Area	1	Waiting Room	23	18	Radfan Panels	Remote Control Adj	Yes	Controlled Exhaust	Central Supply and Exhaust	25 people at 15 per person min	25 people at 15 per person min	Balanced	87	83	n/a	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.179		WC - Whichever accessible	1	Toilet	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	10	Negative	None	n/a	81	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.180		WC - Accessible	1	Toilet	23	18	Advanced DC Fan Transpire Air	None	No	None	Central Dry Exhaust	0	10	Negative	None	n/a	81	400	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.181		Anaesthetic Room 36	1	Operating Theatre Suite	23	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	15	15	Balanced	87	83	81	500	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.184		Anaesthetic Room 37	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply and Exhaust	15	15	Balanced	87	83	81	500	n/a	10,000 - 100,000	A	90	Switch	Bed Endbay 1.45m
1.P1.185		South Room 38	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	12	Negative	None	83	81	500	n/a	None	A	90	Switch	General working plane 1m
1.P1.186		End Bay 1	1	Operating Theatre Suite	25	18	Advanced DC Fan Transpire Air	None	No	None	None	0	0	n/a	None	n/a	81	300	n/a	None	A	80	Switch	Bed Endbay 1.45m
1.P1.187		WC - Whichever accessible	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central General Exhaust	0	30	Negative	None	83	81	300	n/a	None	A	90	Switch	General working plane 1m
1.P1.189		Dry Wash Store	1	Storage Area Equipment	23	18	Advanced DC Fan Transpire Air	None	No	None	Central General Exhaust	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.190		Cleaner Lockers	1	Storage Area Equipment	23	18	Advanced DC Fan Transpire Air	None	No	None	Central General Exhaust	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.191		Store - Anaesthetic	1	Storage Area Equipment	23	18	Advanced DC Fan Transpire Air	None	No	None	Central General Exhaust	0	3	Negative	None	n/a	n/a	200	n/a	None	A	80	Automatic Controls	Flow 0m
1.P1.194		Prep Room 39	1	Operating Theatre Suite	25	18	Warm air in AHU Return	Adjustable	Yes	Controlled Exhaust	Central Supply Air	10	0	Positive	87	83	81	500	n/a	None	A	90	Switch	General working plane 1m

Room No	Department	Room Name	Qty	Room Function	Temp (heat)	Temp (cool)	Heating Type	Heating Control	Cooling (request)	Cooling (type)	Ventilation (type)	Supply (air lit)	Exhaust (air lit)	Recovery pressure	Min. (liters)	Surface temp	Water temp	Normal (lit)	Height (lit)	Local (lit)	Shading grade	Colour (number)	Control	Range
G-01-021		W.C. - Washroom - accessible	1	Toilet	23	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-031		Cellular - Ward Office	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ball Blowers Unit	Central Supply and Exhaust	4	2	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-031		Medical Physics Office	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	4	2	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-032		Radio Nuclear Imaging Reporting	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	4	2	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-033		Emergency Shower	1	Reception	24	20	Radant Panels	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-034		Hot Watering Area	1	Washing Rooms	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	8 people at 10 l/s per person (6.7)	8 people at 10 l/s per person (6.7)	Positive	0.7	43	18	300	1.8	None	A	80	Automatic Controls	Flow On
G-01-035		Radioactive Injection Room 1	1	Consulting Room	23	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply Air	10	6	Positive	0.7	43	18	300	1.8	1000	A	80	Switch	General working plane 1m
G-01-036		Recovery Area 1	1	Recovery Bay - Recovery Room	21	21	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	13	13	Balanced	0.7	41	17	500	1.4	None	A	80	Switch	Bed - Trolley 1.45m
G-01-037		Charging Cabinets	1	Charging Facilities	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	5	4	Positive	0.7	43	18	300	1.8	None	A	80	Automatic Controls	Flow On
G-01-038		Radio Nuclear Imaging 1	1	Exam room	22	18	Radant Panels	Remote Sensor Act	Yes	Ball Blowers Unit & Ceiling Suspended Unit	Central Supply and Exhaust	15	13	Balanced	0.7	41	17	300	1.8	1000	A	80	Switch	General working plane 1m
G-01-042		Control Room	1	Consulting Room	23	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	6	4	Positive	0.7	43	18	300	1.8	1000	A	80	Switch	Bed - Trolley 1.45m
G-01-043		Charging Room 2	1	Charging Facilities	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	5	4	Positive	0.7	43	18	300	1.8	None	A	80	Automatic Controls	Flow On
G-01-044		Radio Nuclear Imaging 2	1	Exam room	23	18	Radant Panels	Remote Sensor Act	Yes	Ball Blowers Unit & Ceiling Suspended Unit	Central Supply and Exhaust	15	13	Balanced	0.7	43	18	300	1.8	1000	A	80	Switch	General working plane 1m
G-01-045		Radioactive Injection Room 2	1	Consulting Room	23	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	10	6	Positive	0.7	43	18	300	1.8	1000	A	80	Switch	General working plane 1m
G-01-046		Break Room	1	Consulting Room	23	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	3	3	Balanced	0.7	43	18	300	1.8	1000	A	80	Switch	Bed - Trolley 1.45m
G-01-047		Hot Watering Area	1	Washing Rooms	23	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	8 people at 10 l/s per person (6.7)	8 people at 10 l/s per person (6.7)	Balanced	0.7	41	17	300	1.8	None	A	80	Automatic Controls	Flow On
G-01-048		W.C. - Washroom - accessible	1	Toilet	24	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-049		W.C. - Washroom - accessible	1	Toilet	22	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-050		Cold Watering Area	1	Washing Rooms	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	8 people at 10 l/s per person (6.7)	8 people at 10 l/s per person (6.7)	Balanced	0.7	41	17	300	1.8	None	A	80	Automatic Controls	Flow On
G-01-052		Radioactive Counting Laboratory	1	Laboratory	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	8 people at 10 l/s per person (6.7)	8 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	500	1.8	None	A	80	Switch	General working plane 1m
G-01-053		ESR	1	ESR	24	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-054		Mixing Room 1	1	Mixing Room	23	18	Radant Panels	Remote Sensor Act	Yes	Ball Blowers Unit	Central Supply and Exhaust	4 people at 10 l/s per person (6.7)	4 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-055		Mixing Room 2	1	Mixing Room	23	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	4 people at 10 l/s per person (6.7)	4 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-057		Open Office Staff Office - Reception	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	6	4	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-058		Acute Recovery	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	10 people at 10 l/s per person (6.7)	10 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-059		CT Room 1	1	Diagnostic room	23	18	Radant Panels	Remote Sensor Act	Yes	Ball Blowers Unit & Ceiling Suspended Unit	Central Supply and Exhaust	15	13	Balanced	0.7	41	17	300	1.8	1000	A	80	Switch	General working plane 1m
G-01-061		Unshared Toilet	1	Toilet	24	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-062		WC - Patients	1	Toilet	24	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-063		Linen Bay	1	Linen Bay	24	18	Advanced Solar Transducer Air	None	No	None	None	0	0	0	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-064		Receptionist Trolley Bay	1	Receptionist Trolley Bay	24	18	Advanced Solar Transducer Air	None	No	None	None	0	0	0	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-068		Preparation Room	1	Consulting Room	23	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply Air	10	6	Positive	0.7	43	18	300	1.8	1000	A	80	Switch	General working plane 1m
G-01-067		Exam Room	1	Toilet	24	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-068		Exam Room	1	Toilet	24	18	Advanced Solar Transducer Air	None	No	None	Central Daily Exhaust	0	0	Negative	None	18	17	200	1.8	None	A	80	Automatic Controls	Flow On
G-01-069		CT - Changing Cabinet 1	1	Charging Facilities	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	5	4	Positive	0.7	43	18	170	1.4	None	A	80	Automatic Controls	Flow On
G-01-070		CT - Changing Cabinet 2	1	Charging Facilities	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	5	4	Positive	0.7	43	18	170	1.4	None	A	80	Automatic Controls	Flow On
G-01-071		Control Room - CT	1	Cellular - Ward Office	23	18	Radant Panels	Remote Sensor Act	Yes	Ball Blowers Unit	Central Supply and Exhaust	8 people at 10 l/s per person (6.7)	8 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-072		Imaging Reporting	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	4 people at 10 l/s per person (6.7)	4 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-073		Queue Reception	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	4 people at 10 l/s per person (6.7)	4 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-074		Consultant Office - Specialist	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	4	4	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-075		Consultant Office - Specialist	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	6	4	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-076		Unshared Admin Office	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Common Control - Fresh Air	Central Supply and Exhaust	4	3	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-077		Admin Office	1	Cellular - Ward Office	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	6	4	Positive	0.7	43	18	300	1.8	None	A	80	Switch	Desk 0.75 to 0.85m
G-01-078		Washing Area - Men/Drop	1	Washing Rooms	24	18	Radant Panels	Remote Sensor Act	Yes	Ceiling Cassettes - Chilled Water	Central Supply and Exhaust	11 people at 10 l/s per person (6.7)	11 people at 10 l/s per person (6.7)	Balanced	0.7	43	18	300	1.8	None	A	80	Switch	Flow On

Room No.	Department	Room Name	Qty	Room Function	Area (sq ft)	Temp (sq ft)	Finishing Type	Finishing Material	Landfill (sq ft)	Ceiling Type	Insulation Type	Supply (sq ft)	Exhaust (sq ft)	Recovery (sq ft)	Min. Airflow	Surface Temp	Water Temp	Humidity (%)	Height (ft)	Leak (%)	Structural Grade	Control System	Control	Notes
01-0179	G1	Building	1	Reception	28	18	Robert Panels	Reman Ceiling	Yes	Light Concrete Chalk Wall	Central Supply Air	6	0	Positive	0.7	45	60	300	6.0	None	0	90	Switch	Desk 2.75 to 2.5m
01-080			1	Waiting Area	23	18	Robert Panels	Reman Ceiling	Yes	Code 2 Ceiling Chalk Wall	Central Supply and Exhaust	20 people at 10 l/s per person each	22 people at 10 l/s per person each	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Floor On
01-081			1	Trash/Storage room	23	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Chalk Wall	Central Supply and Exhaust	5	15	Balanced	0.7	45	45	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m
01-082			1	Meeting Room 2	21	18	Robert Panels	Reman Ceiling	Yes	Wall Mounted Unit	Central Supply and Exhaust	4 people at 10 l/s per person each	4 people at 10 l/s per person each	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Desk 1.75 to 1.5m
01-083			1	Production Room	23	18	Adaptive Space Translucent	None	No	None	Central General Exhaust	0	0	Negative	None	6.0	6.0	300	6.0	None	0	90	Automatic/Exhaust	Desk 1.75 to 1.5m
01-084			1	Display Room	23	18	Adaptive Space Translucent	None	No	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-085			1	MR 2 (Control Room - Access)	21	18	Robert Panels	Reman Ceiling	Yes	Wall Mounted Unit	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Switch	Desk 1.75 to 1.5m
01-086			1	Exponent Meeting Room	23	18	Robert Panels	Reman Ceiling	Yes	Light Concrete Chalk Wall	Central Supply and Exhaust	10	0	Positive	0.7	45	45	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-087			1	MR 4 (Control Room)	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	15	15	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m
01-088			1	Waiting Area	28	18	Robert Panels	Reman Ceiling	Yes	Central Ceiling Exhaust	Central Supply and Exhaust	4 people at 10 l/s per person each	4 people at 10 l/s per person each	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Floor On
01-089			1	Office 1	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-090			1	Office 2	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-091			1	WC - Men/Women accessible	28	18	Robert Panels	Reman Ceiling	Yes	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-092			1	Reception Area	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Floor On
01-093			1	Equipment Room 1 (Storage)	23	18	Adaptive Space Translucent	None	Yes	Filter Mounted Unit Chalk Wall 2	Central General Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-094			1	Equipment Room	23	18	Adaptive Space Translucent	None	Yes	Filter Mounted Unit Chalk Wall 2	Central General Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-095			1	DR	28	18	Adaptive Space Translucent	None	Yes	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-096			1	Office 3	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-097			1	Office 4	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-098			1	Office 5	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-099			1	Office 6	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-100			1	Adult Reception Room 1	23	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply Air	10	0	Positive	0.7	45	60	300	6.0	1000	0	90	Switch	Desk 1.75 to 1.5m
01-101			1	Form	28	18	Adaptive Space Translucent	None	No	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-102			1	MR 1	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m
01-103			1	MR 2 (Control Room)	23	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	6	0	Positive	0.7	45	60	300	6.0	None	0	90	Switch	Desk 1.75 to 1.5m
01-104			1	Inventory	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply Air	0	0	Negative	None	6.0	6.0	300	6.0	None	0	90	Automatic/Exhaust	General working plane 1m
01-105			1	Dr. Lab	28	18	Adaptive Space Translucent	None	No	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-106			1	Work Room	28	18	Robert Panels	Reman Ceiling	Yes	None	Central General Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-107			1	Adult Waiting Area	28	18	Robert Panels	Reman Ceiling	Yes	Central Ceiling Exhaust	Central Supply and Exhaust	4 people at 10 l/s per person each	4 people at 10 l/s per person each	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Floor On
01-108			1	Waiting Area	28	18	Robert Panels	Reman Ceiling	Yes	Central Ceiling Exhaust	Central Supply and Exhaust	4 people at 10 l/s per person each	4 people at 10 l/s per person each	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Floor On
01-109			1	MR Reporting	28	18	Robert Panels	Reman Ceiling	Yes	Light Concrete Chalk Wall	Central Supply and Exhaust	4 people at 10 l/s per person each	4 people at 10 l/s per person each	Balanced	0.7	45	60	300	6.0	None	0	90	Switch	Desk 1.75 to 2.5m
01-110			1	Ruby Inland Training Room	28	18	Robert Panels	Reman Ceiling	Yes	None	Local Dry Exhaust	0	0	Negative	None	6.0	6.0	300	6.0	None	0	90	Switch	Floor On
01-111			1	MR 1	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m
01-112			1	Equipment Room 2	23	18	Adaptive Space Translucent	None	Yes	Filter Mounted Unit Chalk Wall 2	Central General Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-113			1	Reception Area 1 (MR)	23	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch	Desk 1.75 to 1.5m
01-114			1	WC - Men/Women accessible	28	18	Adaptive Space Translucent	None	No	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-115			1	MR - Inland/Adaptive & Accessible	28	18	Robert Panels	Reman Ceiling	Yes	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On
01-116			1	Office 7 (Accessible)	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-117			1	Office 8 (Accessible)	28	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Automatic/Exhaust	Floor On
01-118			1	Induction Area 1 (MR)	23	18	Robert Panels	Reman Ceiling	Yes	Light Concrete Chalk Wall	Central Supply and Exhaust	15	15	Balanced	0.7	45	45	300	6.0	1000	0	90	Switch	Desk 1.75 to 1.5m
01-119	1	MR 1	23	18	Robert Panels	Reman Ceiling	Yes	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On		
01-120	1	WC - Men/Women accessible	28	18	Adaptive Space Translucent	None	No	None	Central Dry Exhaust	0	0	Negative	None	6.0	6.0	200	6.0	None	0	90	Automatic/Exhaust	Floor On		
01-121	1	Equipment Room 3 (MR)	23	18	Adaptive Space Translucent	None	Yes	Filter Mounted Unit Chalk Wall 2	Central General Exhaust	0	0	Negative	None	6.0	6.0	300	6.0	None	0	90	Automatic/Exhaust	Floor On		
01-122	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-123	1	Control Room (ET MR)	23	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	5	0	Positive	0.7	45	60	300	6.0	None	0	90	Switch	Desk 1.75 to 1.5m		
01-124	1	ET Floor	23	18	Robert Panels	Reman Ceiling	Yes	Lightwood Ceiling Exhaust	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-125	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-126	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-127	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-128	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-129	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-130	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		
01-131	1	MR Room	23	18	Robert Panels	Reman Ceiling	Yes	By Specialist	Central Supply and Exhaust	10	10	Balanced	0.7	45	60	300	6.0	1000	0	90	Switch/Exhaust	General working plane 1m		

Room No.	Department	Room Name	Qty	Room Function	Temp (req'd)	Temp (act)	Heating Type	Heating Control	Cooling (req'd)	Cooling (act)	Ventilation (req'd)	Supply (act)	Exhaust (act)	Relative humidity	Min. RH (act)	Surface Temp	Water Temp	Normal RH	Height (ft)	Local RH	Stability (grade)	Control System	Control	Phase
021012		Store R	1	Store R	70	70	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021013		Circular Work - Dry	1	Dry Lab	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021014		Circular Work - Dry	1	Dry Lab	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021015		Circular Work - Dry	1	Dry Lab	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021016		Gen'l Work	1	Storage Area Equipment	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021017		Gen'l Work	1	Storage Area Equipment	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021018		Gen'l Work	1	Storage Area Equipment	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021019		Gen'l Work	1	Storage Area Equipment	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021020		Gen'l Work	1	Storage Area Equipment	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021021		Gen'l Work	1	Storage Area Equipment	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021022		Medical Gas Cylinder Store	1	Boiler Room	60	60	Electric Heating	Remote Control	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021023		Plumbing Office	1	4th Floor Office	68	68	Ceiling Cooling Unit	Remote Control	Yes	Ceiling Cooling Unit	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021024		Cell Work	1	Control Room	68	68	None	None	Yes	None	None	0	0	0	None	70	None	20	7.5	None	A	None	None	
021025		Control	1	Control	28	18	Radiant Panels	Remote Control	Yes	Control Cooling	Central Supply	0	0	0	Positive	67	43	68	20	7.5	None	A	None	None
021026		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021027		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021028		Control	1	Control	28	18	Radiant Panels	Remote Control	Yes	Control Cooling	Central Supply	0.5	0	0	Positive	67	43	68	20	7.5	None	A	None	None
021029		Control	1	Control	28	18	Radiant Panels	Remote Control	Yes	Control Cooling	Central Supply	0	0	0	Positive	67	43	68	20	7.5	None	A	None	None
021030		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021031		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021032		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021033		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021034		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021035		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021036		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021037		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021038		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021039		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021040		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021041		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021042		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021043		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021044		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021045		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021046		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021047		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021048		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021049		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021050		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021051		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021052		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021053		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021054		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021055		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021056		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	
021057		Control	1	Control	28	18	Radiant Panels	Remote Control	No	None	None	0	0	0	None	43	68	20	7.5	None	A	None	None	

A47224882

Room No.	Department	Room Name	Qty	Room Function	Emp. seats	Emp. count	Building Type	Finishing Control	Closing (present)	Closing type	Minimum height	Supply (sq ft)	Extract (sq ft)	Return pressure	Min. velocity	Surface temp	Room temp	Normal hgt	Height hgt	Light hgt	Stability grade	Colour code	Control	Notes
1.0DR-016	Custodial Services	Corridor	1	Corridor	29	12	Adjacent Space Transfers	None	No	None	None	0	0	0	0	None	6.5	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-016		Corridor	1	Corridor	29	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-017		Corridor	1	Corridor	29	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-017		Corridor	1	Corridor	23	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-018		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-019		LP Lobby	1	LP Lobby	29	12	Adjacent Space Transfers	None	No	None	None	0	0	0	0	None	6.6	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-020		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-021		Corridor	1	Corridor	28	12	Adjacent Space Transfers	None	No	None	None	0	0	0	0	None	6.2	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-022		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-023		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-024		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-025		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-026		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-027		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-028		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-029		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-030		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-031		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-032		LP Lobby	1	LP Lobby	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-033		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-034		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-035		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-036		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-037		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-038		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-039		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-040		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-041		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-042		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-043		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-044		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-045		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-046		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-047		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-048		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-049		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-050		Corridor	1	Corridor	28	12	Robot Panels	Removal Control	No	None	None	0	0	0	0	None	6.1	200	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-051		Plant Room	1	Plant Room	100	100	None	None	No	None	Control Supply & Extract	0	0	0	0	None	7.7	100	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-052		1/N Plant Room-01	1	Plant Room	12	100	None	None	No	None	Return & Dedicated Supply	1*	1*	0	0	None	6.5	100	6.2	None	A	90	Adjacent Corridor	Flora Dr
1.0DR-053		1/N Plant Room-02	1	Plant Room	32	100	None	None	No	None	Return & Dedicated Supply	21	11	0	0	None	6.5	100	6.2	None	A	90	Adjacent Corridor	Flora Dr

**PROJECT | Edinburgh Royal Hospital for
Sick Children and
Department of Clinical Neurosciences**

**Review of 4 Bed Ward Ventilation
Design and the David
Rollason Associates Report**




This Version

Authored by:

name: Lindsay Wood
role: Associate
signed: _____

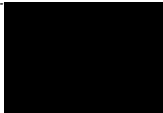
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1. EXECUTIVE SUMMARY

Multiplex (“MPX”) has provided a design for certain 4-bed areas in accordance with the relevant Room Data Sheets (RDS) and Environmental Matrix. The design positively pressurises those areas.

The Board provided a Reference Design (undertaken by Hulley and Kirkwood) which stated single bedrooms, and 4 bed areas would be positively pressurised.

We have reviewed communications from the Board and now from David Rollason Associates (DRA) that take a different view. What seems clear is that there is genuine dispute over the interpretation of the various guidance and recommendations surrounding bedroom and ward ventilation. In particular, whether the 4- bed areas should be treated as a single bedroom or like a ward. I have tried to use the neutral term “area” throughout this report.

SHTM 03-01 notes that although natural ventilation means that it is almost impossible to maintain consistent flow rates, it is normally acceptable for general areas including wards. This implies that ward pressure balances and ventilation rates within limits are not critical. There is no reason why this would not apply equally to 4 bed areas in my view.

The implication of SHTM 03-01 Appendix 1 is that general wards can be positively pressurised, and there is no reason why 4 bed areas would be treated different unless specifically provided for.

Should it be deemed that SHPN 04-01 applies to specific spaces, it refers to SHTM 2025 and, by implication, SHTM 03-01 for ventilation requirements. It also notes natural ventilation should be employed where appropriate and possible. It further notes air movement generally should be clean to dirty.

HBN 23, which is considered ‘Best practice Guidance’ in Scotland, follows terminology as SHPN 04-01, in that, it refers to SHTM 2025 and, by implication, SHTM 03-01 for ventilation requirements. It also notes natural ventilation should be employed where appropriate and possible. It further notes air movement generally should be clean to dirty.

SHFN 30 part A was previously referenced by the Board in communications, but is not by DRA. The requirements relating to ventilation in that guidance are unclear. However, the option to cohort patients with the same infection in multi bed rooms is mentioned, but goes on to state that the need for this should be considered at the design stage. Presumably if this was the intent, which is what DRA now imply, the Board should have made this known prior to Financial Close (FC).

The RDS and Environmental Matrix at FC stated the multi bed areas in question were to be positively pressurised, which aligned with the Reference Design Environmental Matrix. These documents were subject to review and approval. I would contend this is the normal way to consult with the Board on technical issues and that this was done. DRA are of the view that the Board challenged the design during the RDD process. However, in my view, it is to be noted that the comments made at the time of Financial Close on the Environmental Matrix related to “bedroom” ventilation and not the 4 bed areas now in question. I am reinforced in that regard because following that comment, MPX/Project Co responded to confirm that changes had been made to address single bedrooms. No feedback was returned at that time by the Board to say that MPX/Project Co had misunderstood the scope of the original comment.



2. INTRODUCTION

I was approached by Brodies LLP on behalf of MPX to review technical issues relating to the design and construction of the new Edinburgh Royal Hospital for Sick Children. I have experience designing to the various Scottish Health Technical Memoranda (SHTM), Scottish Health Planning Notes (SHPN) and other relevant standards which apply in this case.

I have been asked for my view on the following question:

“ Whether is your (DSSR) opinion the ventilation design for certain 4-bed wards is in accordance with MPX’s contractual obligations ? “

Since the instructions from Brodies LLP I have received a copy of a report by David Rollason of David Rollason Associates dated 1 November 2017. I have taken that document as a guide to what the Board now considered to be non-compliant and respond to it in this report.

This opinion has been written by Lindsay Wood BEng(Hons) CEng MCIBSE. I am a Chartered Engineer and an Associate within DSSR, a practice of consulting engineers offering specialist mechanical and electrical (M&E) engineering designs and advice. I have over 21 years’ experience of design of M&E services systems in hospitals and other buildings. My curriculum vitae is included in Appendix A.



3. LIMITATIONS OF THE REPORT

In the production of this report, a number of limitations apply relating to the available information that has been used to formulate a professional opinion on the compliance of the ventilation of the 4 bed areas. These limitations are detailed below:

- Detailed design drawings (layouts and schematics) and schedules of the ventilation installation have not provided or reviewed. In particular, we have not seen the drawings or schedules submitted for RDD purposes, and as such, cannot comment on their content.
- A Reference Design has been produced by the Board's Consultants – Hulley and Kirkwood, which was used to obtain bids for the Hospital project. Whilst we have not been provided with the full content of this reference design, we have been provided with a copy of the Reference Design Environmental Matrix Issue 3 (dated 19/09/12), and therefore our comments contained herein refer to this Environmental Matrix.



4. OUTLINE OF ISSUE

Reference is made to the report by David Rollason. That report concludes that MPX is in breach of its contractual obligations with regard to the design of certain 4-bed areas. The design by MPX positively pressures the areas and David Rollason/Board consider that balanced/negative pressure is required.

4.1. Reference Information

I have been given access to various pieces of reference material including contract documentation, design information and relevant contract correspondence. In addition, I have had access to the relevant healthcare standards when considering the issue.

For completeness, I have listed below the pieces of information that I have used in consideration of the technical issue in question.

4.1.1. Contract Documentation

Schedule Part 6 Section 3 (Board Construction Requirements) Revision I (herein referenced BCR)

Schedule Part 6 Section 6 (Room Data Sheets), consisting of:

HLM-SZ-SL-RD-400-001 Rev 01 (dated 18/09/14) – Room Data Sheets (RDS)

WW-XX-XX-DC-001 Env Matrix (no revision) – Environmental Matrix.

It is understood that the RDS and Environmental Matrix listed above were prepared by Project Co, in the response to an Environmental Matrix was produced as part of the Reference Design.

Reference Design Environmental Matrix (Hulley and Kirkwood) – 3rd Issue (dated 19/09/12)

4.1.2. RDD Information

WW-XX-XX-DC-001 Env Matrix Rev 05 – Environmental Matrix Status B with Board Comments dated 15/04/16

4.1.3. Contract Correspondence

MPX-GC-017577: Ventilation 4 bedded wards (dated 12/05/17)

R.A.M.-GC-000273: Re: ventilation – 4 bedded wards (dated 16/05/17)

R.A.M.-GC-000277: Re: ventilation – 4 bedded wards (dated 23/05/17)

MM-GC-002926: re: Bedroom Ventilation (dated 05/06/17)

R.A.M-GC-000278: Fwd: Bedroom Ventilation (dated 15/06/17)

TUV SUD Design Note – Accommodation Design Criteria – Single rooms and Multi Bed Wards (dated 21/02/17)

TUV SUD Paper – General Ward – Ventilation Amendment Proposal to Achieve Room Balance (dated 11/05/17)



4.1.4. Reference Documentation (Healthcare Standards)

SHTM 03-01 Part A – Ventilation of Healthcare Premises Part A (Design and Validation)

SHPN 04-01 – Adult In-Patient facilities

HBN 23 – Hospital Accommodation for Children and Young People

SHFN 30 Part A – Manual – Information for Design teams, Construction teams, Estates & Facilities, and Infection Prevention & Control teams



5. TECHNICAL DISCUSSION

5.1. Contractual Requirements

The BCR states a number of salient requirements as follows:

2.5 – Hierarchy of Standards. This section defines the hierarchy to be followed where there are contradictory standards referenced.

In particular it notes that “Where contradictory standards / advice are apparent within the terms of the Board’s Construction Requirements and the appendices.....then (1) the most onerous Standard / advice shall take precedence and (2) the most recent standard / advice shall take precedence”. When the more onerous requirement is to be used the Board will have the right to decide what constitutes the more onerous requirement”.

It further notes “In certain instances NHS publications include a number of options or alternative solutions. Where the Board has defined their preference specifically, Project Co shall adopt these preferences as a mandatory requirement. Where no Board preference is stated, Project Co shall engage the Board in the design development process to seek and incorporate the Board’s preference within the facilities.

3.6.3 - Room Data Sheets. This section states that “Project Co shall provide Facilities that, as a minimum, meet all the requirements specified in the Room Data sheets included in Section 6 (Room Data Sheets) of the Schedule part 6 (Construction matters) of the Project Agreement. Room Data Sheets not included in Section 6 (Room Data Sheets) of the Schedule part 6 (Construction matters) of the Project Agreement shall be provided through RDD.

8 - Mechanical & Electrical Engineering Requirements. This section opens with the statement “Project Co shall provide the Works to comply with the Environmental Matrix”.

8.2 – Infection Control. States that “Mechanical and Electrical equipment selections and designs shall take cognisance of HAI-SCRIBE in its entirety”.

8.5.2 – States a thermal comfort criteria of maximum temperature 25 deg C for patient and staff areas not to be exceeded for more than 50 hours per annum.

8.5.3 – Air Quality. This section notes that “Project Co shall provide natural ventilation wherever possible, except where.....e) Clinical requirements, as detailed in the Room Data Sheets, do not allow in areas such as isolation rooms, where positive or negative pressure are required...”.

Within the BCR, there does not appear to be specific or explicit reference to pressure regimes within the multi-bed areas which are subject to this dispute, nor do there appear to be any statements relating to the definition of, and related design criteria for, multi-bed areas, which I would expect to see if the Board had explicit requirements for these spaces. In the absence of any specific guidance in the BCR or RDS, I understand that MPX/WW have stated their proposed pressure regimes in their FC Environmental Matrix and Room Data Sheets.



5.2. Reference Design Environmental Matrix

A Reference Design has been produced by the Board's Consultants – Hulley and Kirkwood, which was used to obtain bids for the Hospital project.

Whilst we have not been provided with the full content of this reference design, we have been provided with a copy of the Reference Design Environmental Matrix Issue 3 (dated 19/09/12).

Within this document, there is a page which identifies room types and provides a reference template for each room type, which is then utilised as the basis for the individual Environmental criteria for each individual room. The relevant aspects of this are included below:

Room Function	Ventilation				
	Type	Supply ac/hr	Extract ac/hr	Relative Pressure	Min Filtration
Bedroom	Central Supply Air	4	0	Positive	G4
Multi-bed Wards	Central Supply Air	4	0	Positive	G4

The Reference Design Environmental Matrix also includes a page of guidance notes which include the following statement:

'This workbook is prepared for the Reference Design Stage as an easier reference tool to replace ADB RDS M&E Sheets for the Environmental Criteria elements as described on these sheets.'

The Reference Design Environmental Matrix has been used as the basis of the Environmental Criteria utilised by MPX and their designers when bidding for the Project.

It is noted that the information above includes positive pressure to both the single bedroom, and the multi-bed wards, which is the room type which has been applied to the 4 bed areas within the Reference Design Environmental Matrix.

It is further noted that the supply air requirements contained within the Reference Design Environmental Matrix are lower than those contained within SHTM 03-01 Part A (described in more detail in section 5.3.1).



5.3. Healthcare Standards Requirements

5.3.1. SHTM 03-01 Part A – Ventilation for Healthcare Premises – Design and Validation

This document is referenced by both SHFN 30 and SHPN 04-01 and so is significant in the discussion of ventilation configuration.

Reference is also made in some older SHPN / HBN documentation to SHTM 2025 (or HTM 2025 in the case of HBN). However, SHTM 2025 was superseded by SHTM 03-01 in Oct 2011, with the latest version available on the HFS website having been published in February 2014. Since SHTM 2025 (and HTM 2025) have been superseded, the design guidance which would be relevant to be applied would be SHTM 03-01.

In 2.3, SHTM 03-01 notes “As the motivating influences of natural ventilation are variable, it is almost impossible to maintain consistent flow rates and ensure that minimum ventilation rates will be achieved at all times this variability is normally acceptable for general areas including...general wards”.

Sections 2.6 to 2.9 discuss the use of Extract Ventilation systems, supply only ventilation, and supply and extract ventilation. None of these paragraphs reference single bed rooms, multi bed rooms or wards specifically, suggesting that a variety of solutions may be acceptable. Paragraph 2.8 Supply only ventilation does however reference Appendix 1 table A1 with respect to air change rates. An extract of table A1 is given below;

Table A1



It can be seen that General Wards can acceptably be provided with supply or natural ventilation, and that single rooms can be provided with supply, natural or extract ventilation. General wards have no pressure requirements, and single bed wards can be neutral or negatively pressurised. However given the statement in 2.3, should a specific pressure regime be critical in either of these room types, natural ventilation would not be an appropriate solution.

5.3.2. SHPN 04-01 – Adult in-patient facilities

As this document relates specifically to Adult in-patient facilities, its relevance may be subject to debate. However, the following items are worthy of note;

- 1.5 Presumption of single rooms, unless clinical reason for multi bedded rooms
- 1.7 Appear to use the terms “multi-bed rooms” & “multi bed wards” as interchangeable terms. 1.8 also refers.
- 3.10 This section notes that “The alternative to a single bed room is a multi-bed room. These will only occur in.....new build projects where a need has been established”.
- 4.19 Ventilation design should be in accordance with SHTM 2025, which is to be replaced by SHTM 03-01
- 4.20 Air movement induced by mechanical ventilation should be clean to dirty.
- 4.77 Where appropriate and possible, natural ventilation should be employed.
- 4.79 Energy recovery should be employed when possible and particularly in ventilation systems

5.3.3. HBN 23 - Hospital Accommodation for Children and Young People

HBN 23 is published for use in England, however, it is noted within the HFS publication list with a ‘*Status in NHS Scotland of ‘Best Practice Guidance’*” and as such is relevant to consider in relation to the discussions within this report. The following points are relevant to note;

- 3.136 notes number of bed areas and their configuration will depend on size of population and local knowledge of health needs
- 3.137 notes that 100% single rooms with en-suite offers maximum flexibility. For best practice 50% of rooms should be single.
- 3.138 Allocation of multiple bed areas is ultimately a local decision
- 3.138 Within HBN 23 there are various references to 4 bed wards (for example in the context of in-patient accommodation Para 3.138), as well as references to multi-bed rooms. As with SHPN04-01, these terms appear to be interchangeable through HBN 23, and without clear definition of each term
- 5.8 Where appropriate and possible, natural ventilation should be employed.
- 5.11 Where economically viable, energy recovery should be used on air conditioning and ventilation systems
- 5.53 Further reference to the use of natural ventilation
- 5.53 HBN 23 references HTM 2025 (since it is an English document), which by implication would mean that the relevant, current Scottish guidance would be SHTM03-01.



5.58 & 5.59 these infer that air movement induced by mechanical ventilation should be clean to dirty.

5.3.4. SHFN 30 part A

This document was previously referenced in correspondence from the Board that I've been provided with but is not relied upon by David Rollason of DRA. I have considered the document and do not think it provides the answer one way or another but is in my view more supportive of MPX. Clause 5.4 notes that "Multi bed rooms can also be used to cohort patients with the same infection.....The possible need for this should be considered at the design stage". There is again no reference to pressurisation in this clause. In fact clause 5.2 may be more relevant on this context; "The key to effective isolation on general wards is the provision of sufficient en-suite single-bed rooms to prevent patients known to be a risk for spreading infections being cared for in open ward areas.....

Most patients requiring segregation /isolation on general wards can be isolated effectively in en-suite single rooms". The implication here is that isolation of infectious patient is best dealt with in single bed rooms. If a different approach is being taken, and multi bed rooms are now being considered for that purpose that should have been considered at design stage, i.e. prior to FC.

Clause 6.10 notes that "The same basic principle applies for all clinical areas whereby positive pressurisation is maintained by providing supply ventilation in cleanest areas cascading to dirty areas where negative pressure will be achieved". Where single and multi-bed rooms are classed as clinical areas, we would contend that this principle is achieved, with supply air to rooms providing positive pressure cascading to corridors (less clean) and en-suites (dirty).

Finally it is significant that between 6.11 and 6.12, SHFN 30 notes "See Scottish Health Technical Memorandum 03-01 Parts A and B for comprehensive guidance on the design, installation and operation management of ventilation systems in healthcare premises". It is clear that SHFN 30 sets very general principles only and that SHTM 03-01 should be referenced for detail.

5.4. RDD Environmental Matrix

The RDS and Environmental Matrix submitted at Financial Close align with each other in stating the following:

- Single bedroom 4 ac/h supply ventilation providing balanced ventilation, noting that the reduction to 4 ac/h is to accommodate allowance for natural ventilation via openable window
- Multi bed wards 4 ac/h supply ventilation providing positive pressure ventilation, noting that the reduction to 4 ac/h is to accommodate allowance for natural ventilation via openable window

I understand that MPX and their designer WW, have assumed that the 4 bed areas are designed as multi-bed ward, and, in the absence of specific guidance, I would concur with this approach.

I note that the air changes within the WW Environmental Matrix are based on those noted in the Reference Design Environmental Matrix. Additionally, the guidance notes on this version of the Environmental Matrix also state that this is used to replace the ADB RDS M&E sheet for ease of reference.

There is additional notation (note 25) in the guidance section which highlights that the air change rates applied to single bedrooms relates to a mixed mode ventilation strategy which has been



applied for physiological benefits to the occupants of the space, and also for energy conservation purposes, which I would generally concur with.

My interpretation of the table contained within SHTM 03-01 Part A is that for single rooms, supply and/or natural and/or extract ventilation is appropriate. For general wards, supply and/or natural ventilation is appropriate. The implication here is that general wards will always be balanced or positively pressurised. Single bedrooms may be balanced or negatively pressurised.

The Board comment at FC states as follows:

'detailed proposal awaited on bedroom ventilation to achieve balanced / negative pressure relative to corridor'

In response to that MPX made alterations to the single bedroom arrangements. In the context of the requirement of SHTM 03-01, the details in the RDS and the later feedback returned on MPX's response, it is reasonable to assume that the Board comment was intended at that time to refer only to the single bed rooms in the Environmental Matrix and RDS. As above, changes were made by MPX to address the comments.



6. REVIEW OF THE DRA REPORT

I have reviewed the observations detailed in the DRA report dated 1 Nov 2017, and would comment as follows on the opinions offered:

Section 1 and 2 of the DRA report appear to be an introduction and summary of the design, therefore require no further comment.

Section 3 makes no mention of the Reference Design Environmental Matrix. It consequently takes no account that the Board's design was to pressurise the 4-bed areas in question.

Section 3 makes multiple reference to ADB sheets, but does not make any reference to the guidance notes within the Reference Design Environmental Matrix or later Environmental Matrix that state these documents are to be used in lieu of the ADB content for ease of reference. The reference to the PCP's needs to be read with that in mind, that the ADB sheets were being superseded by the engineering matrices.

Section 3 also makes reference to the comment returned by the Board on the Environmental Matrix but no explanation is provided about why that comment would have been taken as referring to the 4-bed areas. As I have set out, changes were made to the single bedrooms in response to the feedback received.

The DRA report does not appear to make reference to natural ventilation as a part of the design solution for these spaces. I believe this to be significant in the issue, and as such should be acknowledged. Whilst I have not been party to the full Reference Design content, I would expect (given experience on similar projects) that the Reference Design information is likely to have had a natural ventilation design strategy embedded within it. Also, the healthcare guidance in various locations (eg HBN 23 para 5.8; SHPN para 4.77; SHTM 03-01 Para 2.3) state that 'natural ventilation of rooms should be used wherever appropriate' or equivalent wording.

Similarly, the DRA report does not appear to make reference to HBN 23, which I believe is relevant guidance to consider in the context of this facility.



7. CONCLUSION

The parties have taken a different approach to whether the design should reflect that required for a single bedroom or a ward. There is nothing specific in the BCR's to assist with interpretation as to whether the area is a ward or bedroom.

In the absence of explicit requirements on the design criteria for 4 bed areas, I would concur with the approach taken by MPX in applying general ward design criteria from table A1 – recommended Air Change Rates from SHTM 03-01 Part A to the spaces designated as 4 bed areas, and indeed this has been outlined within the Financial Close documentation presented by ProjectCo.

David Rollason has placed some reliance on the ADB sheets, however, within both the Reference Design information, and MPX information, the Environmental Matrix explicitly states that it is being used for ease of reference to replace the ADB M&E sheets for environmental criteria. If there is conflict between the ADB sheets and RDS/Environmental Matrix then for ventilation requirements I would expect MPX to follow what is in the engineering documents. I note that the BCR's at Section 8 "Mechanical & Electrical Engineering Requirements" provides that "Project Co shall provide the Works to comply with the Environmental Matrix".

I do not consider that the NHS Requirements or Good Industry Practice leads to a different view in contrast to what is said by David Rollason. The NHS Requirements do not provide definitive guidance and in fact suggest that cohort of infection patients is best dealt with in single bed rooms.

In my experience the fact that the design of 4 bed areas, as it stands, provides a positive pressure to the corridor may be considered beneficial to some patient groups.



8. APPENDIX A - CURRICULUM VITAE : LINDSAY WOOD

	Name
	Lindsay Wood
	Current Position
	Associate
Education and Qualifications	
BEng (Hons), CEng	
Professional Memberships	
Chartered Engineer	
Chartered Institution of Building Services Engineers (MCIBSE) Member	
Low Carbon Energy Assessor (LCEA Scotland)	
DSSR Career Summary	
1996 - Present	Project Engineer to Associate

Overview

Lindsay is an Associate with DSSR. She has a mechanical background and has acted as the Lead Mechanical Engineer and Project Co-ordinator in a variety of projects within various sectors and has recently been the project co-ordinator on large scale education and healthcare projects. Lindsay has over 21 years experience in Building Services with DSSR and a Chartered Engineer for 10 Years.

Having developed expertise in the design of low energy educational buildings using IES Modelling as a tool to deliver optimum low energy design solutions, Lindsay will ensure that this experience is utilised for this project to ensure that the results influence the building design positively.

Relevant Experience

Bristol & Southmead Hospital

Project Co-ordinator on the redevelopment of existing hospital site with new buildings for Bristol and Southmead Hospital PPP 100,000m² of acute medical facilities.

NAHSW, Enniskillen

Mechanical Associate on the 63,000m² New Acute Hospital in Enniskillen, Northern Ireland. DSSR was responsible for the complete design of mechanical and electrical services throughout the hospital. The building uses passive environmental design to satisfy requirements for natural ventilation, access to daylight, sunlight and thermal comfort. With the use of low carbon and renewable energy systems complete with sophisticated Building Energy Management systems, the highly-efficient design makes the most of every unit of energy consumed.

Forth Valley Royal Hospital, Larbert

Project Co-ordinator responsible for delivery of mechanical design packages for new £260m Forth Valley Royal Hospital new build PPP project, including responsibility for co-located M&E design team. Part of this development included a dedicated Learning Centre incorporating 150 seat Lecture Theatre, Teaching / Seminar spaces and simulation Theatre & Ward Facilities.

Acorn Health Centre, Huntingdon

Project Co-ordinator and Senior Mechanical Engineer on new 5,000m² health facility in Huntingdon, comprising consulting space for health professionals, along with support offices and associated community facilities, including seminar / conference spaces.

Beatson Cancer Care Centre, Glasgow : £45m

Project Co-ordinator on the £45m Beatson Cancer Care Centre new build at Gartnavel Hospital, Glasgow with full occupancy achieved in 2007.

Mid Argyll Community Hospital, Lochgilphead

Project Co-ordinator on the Mid Argyll Community hospital project including Maternity, Geriatric & Dementia Care Facilities.

Sapley Sq, Huntingdon

Project Co-ordinator and Senior Mechanical Engineer on replacement shop units and community facility adjacent to main Acorn Health Facility.



9. APPENDIX B - CURRICULUM VITAE : BILL CHALMERS

	<p>Name: Bill Chalmers</p> <p>Current Position: Partner</p>
<p>Education and Qualifications BEng (Hons), CEng</p>	
<p>Professional Memberships Chartered Engineer Member of the Chartered Institution of Building Services Engineers (MCIBSE) Member of the Institute of Corrosion</p>	
<p>Career Summary 1980 - Present Trainee to Equity Partner</p>	

Overview

Bill was initially employed by DSSR in 1980 as an Apprentice Mechanical Engineer, progressing through the Firm to become an Equity Partner in 2007.

His experience in the property and construction industry ranges through all sectors. Bill has a wealth of experience in managing design and reporting teams on fast track projects.

Bill's key skills and experience are setting up resources and leading teams, formulating and agreeing project deliverables, responsibility for commercial agreements and undertakings and monitoring of DSSR service provision against agreed parameters, including schedule.

Bill is responsible for the Peer Review, QA and for DSSR Performance and Delivery.

Bill has also served as an External Assessor for the Building Services Degree Course at Glasgow Caledonian University.

Relevant Experience

Enniskillen Hospital, Ireland

Overseeing of Project on the 63,000m² New Acute Hospital in Enniskillen, Northern Ireland. DSSR was responsible for the complete design of mechanical and electrical services throughout the hospital.

Bristol and Southmead Hospital

Monitoring of DSSR service provision on key elements of the redevelopment of existing hospital site with new buildings for Bristol and Southmead Hospital PPP 100,000 m² of acute medical facilities.

Forth Valley Royal Hospital, Larbert, Stirling

Partner responsible for delivery of M&E Services on the new £260m Forth Valley Acute Hospital new build PPP project. Part of this development included a dedicated Learning Centre incorporating 150 seat Lecture Theatre, Teaching / Seminar spaces and simulation Theatre & Ward Facilities.

Beatson Phase 2 Development – the West of Scotland Cancer Care Unit

Management of Team on £45m New Build at Gartnavel Hospital, full occupancy achieved in June 2007.

New Glasgow Victoria and Stobhill Hospitals

Management of Team on £140m new build Ambulatory Care and Diagnostics Facility on 2 sites, plus 60 bed inpatient wards at Victoria Hospital.

Ravenscraig Phase 2

Partner responsible for the Ravenscraig Phase 2 Masterplan study with specific role of developing an energy strategy to support the proposed Phase 2 development of up to 1.5 million sq ft of mix use development including residential, retail, commercial and hotels etc.

Aggreko

Partner responsible for the new 50,000ft² state-of-the-art generator assembly facility for Aggreko Ltd. DSSR provided a full mechanical and electrical design service including modelling analysis for generator test bay environmental control and management of major P.U. diversion enabling works.

News International

Partner in charge of the major development for News International comprising detail design of services and key process interfaces for new press halls in Liverpool and London. These projects were valued at over £500 million and required extensive process design as well as considerable HVAC and Power design.

Offices at: Glasgow
T 0141 334 6161
F 0141 357 1993
E glasgow@dssr.co.uk

Harrogate
T 01423 520252
F 01423 520325
E harrogate@dssr.co.uk

London
T 020 8567 5621
F 020 8579 5649
E london@dssr.co.uk

Manchester
T 0161 872 4811
F 0161 872 7325
E manchester@dssr.co.uk

WW-XX-04-SH-524-006



Wallace Whittle

Schedule of Air Handling Unit 04-06

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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AHU Ref:	AHU 04-06	
Drawing Ref:	WW-Z3-04-PL-520-001	
Location:	Zone 2 Level 04 Ventilation Plantroom 3	
Areas Served:	Zone 4 Level 01 - PICU HDU (B1), Bereavement Suite (J1), Clinical Research Facility (H2)	
Manufacturer:	TBC	
Supply Section Components:	Inlet	c/w motorised damper. Include actuation.
	Access	Base panels suitable for internal access.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.
	LTHW Frost Coil	Air On/ Off: -10°C/ 5°C Duty: To be provided by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Panel Filter:	G4 filter fitted with external manometer.
	Rotary Thermal Wheel	Winter – On/ Off Coil Temperatures: 5°C/ TBC Summer – On/ Off Coil Temperatures: 26°C/ TBC Minimum Efficiency: 65% Variable speed controlled Include purge section

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction
F	06.11.2018	Information updated as per fan duties advised on 22.05.18

A47224882



WW-XX-04-SH-524-006



Wallace Whittle

Schedule of Air Handling Unit 04-06

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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	Supply Fan	Design duty: 5.396m ³ /s against 600 Pa external static pressure Run & Standby Plug Fans to be included in line with SHTM 03-01/ SHPN 04 – Supplement 1. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	CHW Cooling Coil	Air On/ Off: 26°C/ 18°C Duty: To be provide by manufacturer CHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	LTHW Heating Coil	Air On/ Off: TBC°C/ 18°C Duty: To be provide by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.
	Bag Filter	F7 filter fitted with external manometer.
	Outlet	c/w combined smoke and fire damper (CSFD). Include actuation.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction
F	06.11.2018	Information updated as per fan duties advised on 22.05.18

A47224882



WW-XX-04-SH-524-006



Wallace Whittle

Schedule of Air Handling Unit 04-06

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Extract Section Components:	Inlet	c/w motorised damper. Include actuation.								
	Access	Base panels suitable for internal access.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass								
	Panel Filter	G4 filter fitted with external manometer.								
	Extract Fan	Design duty: 4.252m ³ /s against 490 Pa external static pressure Run & Standby Plug Fans to be included in line with SHTM 03-01/ SHPN 04 – Supplement 1. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access.								
	Outlet	c/w motorised damper. Include actuation.								
Weight:	To be provide by manufacturer									
Induct Sound Power Levels dB re 1pW (to be provided by Manufacturer)		63	125	250	500	1k	2k	4k	8k	dB(A) @ 3m
	Breakout									TBC
	Intake									
	Supply									
	Extract									
Discharge										

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction
F	06.11.2018	Information updated as per fan duties advised on 22.05.18

A47224882



WW-XX-04-SH-524-006



Wallace Whittle

Schedule of Air Handling Unit 04-06

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Notes:

- The schedule has been produced from the available data and will be reviewed and updated as necessary as the T3 drawings are available.
- Units to be in compliance with the requirements of SHTM 03 including access sections and lights pre-wired to external isolator, inverter driven fans, etc.
- LTHW temperatures to heating coils shall be Flow 80°C/ 60°C Return. CHW temperatures to heating coils shall be Flow 6°C/ 12°C Return. Uplift from heating recovery to be taken into account for coil sizing.
- Ductwork installation to comply with DW144. Bends and tees to be provided with turning vanes. Ductwork connecting to the main runs shall be via shoe branches.
- AHU to be suitable for internal plantroom installation and double stacked.
- AHU Manufacturer to include for:-
 - Suitably sized glass traps
 - Bolting together of inspection/ validation of units on site.
- AHU's to be provided with the following:-
 - Casing Strength 2A
 - Thermal Bridging TB2
 - Air Leakage Class B
 - Motor Class EFF1
- Specific fan power (SFP) to be in compliance with the Building Regulations: Section 6.6.
- During the periods that AHU 04-06 requires to be switched off for general maintenance the following procedures shall be introduced to allow the supply ventilation system to the isolation suites to continue to operate under these circumstances;
 - AHU 04-06 follows procedures to switch off for maintenance with the CSFD on the AHU supply outlet closing.
 - 2 no. addressable combined smoke and fire dampers (CSFD's) close on the AHU general ductwork to direct supply air to the AHU 04-06 isolation rooms only.
 - The motorised damper situated on the maintenance/ by-pass branch opens to link AHU 04-06 with AHU 04-07 supply ductwork.
 - AHU 04-07 goes into 'Maintenance Mode' with the supply fan increasing in duty (+20% based on clean filters) to accommodate the additional supply duty required to serve the AHU 04-06 isolation rooms.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction
F	06.11.2018	Information updated as per fan duties advised on 22.05.18

A47224882



WW-XX-04-SH-524-006



Wallace Whittle

Schedule of Air Handling Unit 04-06

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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5. The combination of existing constant volume dampers (CVD's) to general areas & constant volume boxes (CVB's) to isolation rooms will operate as normal - maintaining the regulation of air flow rates to their respective departments/areas.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction
F	06.11.2018	Information updated as per fan duties advised on 22.05.18

A47224882





Attention:

Lead Document Controller

Project Name: RHSC

Project Address: RHSC & DCN Project Office
Little France Crescent
Edinburgh,
EH16 4TJ,
United Kingdom

Submittal No.: MER-XX-SL-TS-127
Re: AHU 04-07 & AHU 04-09 H8.1
Rev: 1
Date: 03-Mar-17

Brookfield MULTIPLEX		BM
CONTRACTOR DOCUMENT REVIEW RHSC & DCN		
A	<input type="checkbox"/>	No Comment
B	<input checked="" type="checkbox"/>	Noted subject to comments issued and resubmit within 7 Business Days
C	<input type="checkbox"/>	Rejected - [redacted] resubmit within 7 Business Days
BMCE CHECKED BY		[redacted]
DATE:		17/3/17
Brookfield Multiplex review status does not absolve the Consultant of its obligations with regard to coordination and conformity with the contract Agreements, Employer's Requirements and the cost Plan and for ensuring that there are no ambiguities, discrepancies, inconsistencies or omissions within this document or between it and any other design document.		

Dear Sirs,


Please find attached copy of the above mentioned Submittal as per the attached Submittal Form

Please revert with your comments/approval at your earliest convenience

Yours Sincerely,

Gearóid Murray

BOUVIÈRES - ES
STATIS C
TARS R/...
[redacted]

		MERCURY ENGINEERING		Technical Submittal Form	
Project No.		UK1.0003		Submittal No. MER-XX-SL-TS-127	
Project Title:		RHSC		Category TS	
				Rev: 1	
				Date 03-Mar-17	
Project No:		UK10003		Drawing	
Submittal No:		MER-XX-SL-TS-127		Technical	
Drg/Spec Section:		524- Ventilation			
Description:		AHU 04-07 & AHU 04-09 H8.1		X	
Enclosures	Rev	Description	Remarks		
1	0	Technical submittal comments form			
1	0	Technical submittal appraisal sheet			
1	0	BMCE TS Appraisal Sheet			
1	0	Wallace Whittle AHU Specification			
1	0	AHU Data sheets & Drawings			
1	0	Sandomental CE Certification			
1	0	Eurovent CE Certification			
1	0	AHU O&M			
Comments/Notes					
Issued by:		Gearóid Murray			
Received By:					

MER-XX_SL-TS-127	0	AHU 04-07 &AHU 04-09 H8.1	This company from their website does not appear to have a UK distribution network which will make spares difficult to obtain as they will all have to come from Portugal can we be advised where spares can be obtained from ex stock in the UK (before we fully comment on the document)	Bouygues meeting with Q-nis Friday 21/10/2016 17/11/16 Why is this still open. Please specify	OPEN		
			Full filter details required I.E. Bag filters do not list frame size and how many pockets for each bag filter size	Emails have been sent all data sent, Suppliers detail sent. Types sent. Closed	CLOSED	All data and pockets were emailed to Richard	17/11/16Why is this still open. Please specify FYI. because full info which would be required to order them has not been received, I have informed many times of the info which is required, Width - Height, Frame size, Number of pockets, Depth of pockets, synthetic or rigid for each filter SPEC SHEETS DO NOT CONTAIN ALL OF THIS INFO
			Identify which space is for future humidification and who's humidifier and type that space has been	3/11/16 Only in theatre AHU- last section on bottom of AHU as per manufacturing drawing	CLOSED		

		allowed for/ based upon			
		Confirm that all are twin motored and that the second motor in each position is a stand by.	3-11-16 These are called in the WW schedule. Not all AHU are Duty stand by. 17/11/16 Yes they are on standby but 6 AHU's not Duty standby AHU 04-01/02/03/04/05 & 02-01	CLOSED	
		Spares - Confirm that a spare inverter of each size, 10 door hinges of each size, 5 door catches of each size 1 heat wheel motor of each size and 1 heat wheel drive of each size will also be supplied as free issue spare as well as the already offered 1 motor of each size and a full set of panel and bag filters	3-11-16 Spares supplied. Spare hinges & handles, Approx 10 of each. Spare motor for thermal wheel is extra at a cost and inverters. A list to them of recommended spares to hold.	CLOSED	
		All controls, switches (dp) actuators etc are Schneider- please confirm	3-11-16 Schneider to provided equipment that is fitted to the AHUs 1. Damper Actuators 2. Differential 3. Pressure Switches 4. Frost Stat 5. Frost Averaging sensor 17/11/16 No not Inverters 22/11/16 Schneider invertors being provided	CLOSED	Inverters? We have been informed that all control in the AHU were Schneider

		From BIM Drawings are these AHU of a physical size that all component parts can be easily removed when they and all services are installed in situ I.E All Heat wheels and coils	All comments as per TS 84 & 89 3/11/16 Yes except for coils and thermal wheel. Coils will have to be disconnected and thermal wheel requires AHU to be separated to allow removal	CLOSED	All AHU's are designed to access and remove parts. 30/9/16	
		Confirm that all drip trays are of a corrosion resistant material I.E. Stainless steel	All comments as per TS 84 & 89 3/11/16 Yes 30/9/16. Its confirmed in email 26/10/2016	CLOSED	Yes 30/9/16	
		Confirm that all aspects of the AHUs Conform to SHTM 03	All comments as per TS 84 & 89 3/11/16 Yes 30/9/16. Its confirmed in email 26/10/2017	CLOSED	Yes 30/9/17	
		Are cooling coil condense trays insulated as per Spec	All comments as per TS 84 & 89 3/11/16 Yes 30/9/16. Its confirmed in email 26/10/2018Width of AHU	CLOSED	Yes 30/9/18	
		No maintenance manual included only a maintenance statement	All comments as per TS 84 & 89 Was included in TS085/089	CLOSED		
		Are the glass traps included as per WW spec (I.E. WW-XX-04-SH-524-*)	All comments as per TS 84 & 89 3/11/16 TBC BY WW 17/11/16 Yes Glass traps provided	CLOSED		
		Does not appear to be mention of Dial gauges across filters	All comments as per TS 84 & 89 3/11/16 Magnahelic gaiges included	CLOSED		

		Confirm BMS control strategy	The following items A/B will be fitted and wired on site. A. Supply/Extract Temperature B. Supply and Extract Static Pressure. They will be wiring the valve actuators for the Air Handling Units. 17/11/16 Why is this still open. Please specify. This is on a separate TS.	CLOSED	Because this is not the answer to the BMS scontrol strategy question /which ts is it now on But am now closing this as it should be in the BMS strategy docs
		Identify on drawing of AHU all components, Lighting and light switches, control panel,/ inverters, viewing ports etc/ add key	3-11-16 See AHU selection and manufacturing drawings. Manufacturer Drawings will be uploaded to Zutec. 17 These are identified on the tech sub drawings. Mail Sent 16/11/16. Pointing out each section in the AHU.	CLOSED	
		Will there be a smoke sensor in the supply as required by SHTM 03-01 , 6.21	All comments as per TS 84 & 89 17/11/16 Yes this will be on the Fire Alarm System	CLOSED	
		From BIM Drawings are these AHU of a physical size that all component parts can be easily removed when they and all services are installed in situ	All comments as per TS 84 & 89	CLOSED	
		Identify minimum maintenance space required to each aspect of the AHUs	All comments as per TS 84 & 89 3/11/16 Width of AHU	CLOSED	

Technical Submission Appraisal Sheet



Project:	RHSC & DCN
Contractor:	Mercury Engineering
Date:	03/03/2017
Tech Sub Item:	Air Handling Units- AHU 04-07 & 04-09
Revision:	1
Aconex Ref:	Schedule of Air Handling Unit

Product Data	Description		
Asset Description	Air Handling Units	Yes	No
Compliance Confirmation			If No, please confirm derogation
Asset Type (Generic Type)	Mechanical Services		
Make/Model	eSDM		
HLM Specification			
RBG Specification			
Wallace Whittle Specification	X		
Certificate of Conformity (CE Mark)	X		
SHTM	X		
Energy Characteristics (WW Model)	X		
Sample to be Issued			

Original Equipment Manufacturer	Description
Name	Sandometal
Contact	Jorge Duarte
Address	Estrada Nacional 10, km 127,600 2615-133 Alverca do Ribatejo – Portugal Q-nis: Unit B2, Colchester Business Centre, Wyncolls Road, Severalls Park, CO4 DUK

Sub Contractors are required to complete the attached template as part of their technical submissions to support asset, lifecycle, risk and facilities management activities.

Sub Contractors are asked to include performance characteristics and life expectancies for the product / system together with any associated critical components or finishes in compliance with the specification. Life expectancy requirements will be as stipulated in the technical documents. This information is to help inform lifecycle & strategic spare planning. The template also provides a schedule of documentation to be provided with the technical submittal (where applicable), which is intended to support the understanding, operation and maintenance of the premises and, crucially, to allow the client to build appropriate maintenance plans which will support the optimum operation and longevity of the asset. Actual hard data is to be included in the template to facilitate comparison and collation. **References to technical brochures or other documents are not acceptable.**

Sub-Contractors are required to confirm the warranty or guarantee details supporting their product or system including details of the warrantor or party underwriting the warranty. Bouygues E&S FM UK Limited will require to be named as the principal beneficiary of the warranty / guarantee.

Finally, where appropriate, the Sub-Contractor shall include a budget price for carrying out the first year's maintenance and include details of the scope of that service together with the number of visits proposed within the first year.

Warranty Terms	Description
----------------	-------------

Warranty Start Date	From PC
Warranty Expiry Date	1 Year from PC
Warrantor	Sandomental

Documentation to be Provided - Where Applicable	Comments
Maintenance Requirements & Frequencies	Technical Selection
Requirements for Statutory Inspection & Testing	As per O&M attached
Calibration Requirements & Tools & Frequency	As per O&M attached
Software (Future proofed/ non-closed protocol)	Open Protocol
Whole Life Performance Chart- Characteristic Curves	N/A
Lifting requirements	As per O&M attached
Technical Brochures-Documents	AHU Selection

Critical Components	Type	Service Life (Yrs)	Comments
Fans	Ziehl Abegg Plug fans		As per Technical information attached
Coils	Heating/cooling		As per Technical information attached
Thermal wheel	Rotary wheel		As per Technical information attached

Fuel Consumption	Rate	Example
Maximum Current Consumption	As per technical Sheet	Electricity (Kw)
Power Input - P1	As per technical Sheet	Gas (L/s)
		water (L/s)

Optimum Performance Benchmark	Output	Example
See AHU selections as attached	Will vary on AHU performance	Electrical Output (W)
See AHU selections as attached	Will vary on AHU performance	Air Flow Rate (Ltrs/s)
See AHU selections as attached	Will vary on AHU performance	Water Flow rate (Ltrs/s)
See AHU selections as attached	Will vary on AHU performance	Inlet Temperature (deg. C)
See AHU selections as attached	Will vary on AHU performance	Outlet Temperature (deg.C)
See AHU selections as attached	Will vary on AHU performance	Working pressure
See AHU selections as attached	Will vary on AHU performance	Maximum Power Output
See AHU selections as attached	Will vary on AHU performance	Working Head
See AHU selections as attached	Will vary on AHU performance	Heating Output
See AHU selections as attached	Will vary on AHU performance	Cooling Output
See AHU selections as attached	Will vary on AHU performance	Operating Speed

Safety Limits	Description	Examples
Liquid Temperature Range		Maximum Temperature
Maximum operating Pressure		Maximum Pressure
Maximum Flow Rate		
Maximum Head		

Fuel Requirements	Description	Examples
		Fuel Type
		Ignition Type
		Storage Type

Refrigerant Requirements	Description	Examples
		Refrigerant Type
		Refrigerant Class

Energy Efficiency	Description	Examples
	See AHU selections as attached	Coefficient of Performance
	See AHU selections as attached	Energy Efficiency rating
	See AHU selections as attached	Heat Transfer Coefficient
	See AHU selections as attached	Thermal Efficiency

Product Life Cycle (Years)	25 years
-----------------------------------	----------

First Year's Maintenance

Maintenance	Value
Price P.A	N/A. If required
No of Visits P.A	
Scope of Service	

Represents the price offered by Supplier at time of purchase, end user and supplier to negotiate and agree final price.

U81 AIR HANDLING UNITS**PRODUCTS**

Packaged supply and extract air handling plants shall be provided as defined in the schedules of equipment and as indicated on the drawings, or as defined further in this specification.

The air handling unit and fan supplier shall select the internal components of the plants, such that the overall system resistance does not result in system fan power being excessive.

Project Co. shall obtain from his proposed supplier calculations to demonstrate that the Building Regulation requirements for Specific Fan Power, etc are being met along with his technical submission.

All items of the AHU plant and system controls must be capable of being fully interrogated by the building management system through the independent network protocol.

310 AIR HANDLING UNITS

The supply and extract air handling plant shall in all respects comply and align with the requirements and recommendation detailed within the Health Technical Memoranda, in particular SHTM03-01 and 08-01, except where specifically noted within this specification.

The AHU shall be arranged so that the majority of items are under positive pressure. Any item of plant requiring a drain shall be on the positive pressure side of the fan.

AHU Plants shall be of a rigid, air tight, assembly and constructed in unitary form or consist of standard modular components, assembled to ensure even airflow throughout plant with no by-passing of active components. Sealing strips shall be provided between all component parts. Factory joints shall be fully tightened and all necessary sealing strips, nuts, bolts and washers etc. being provided for site made joints. The units shall be suitable for operating against closed dampers, i.e.no flow conditions during normal and fire operation. Panels penetrated by service pipes, electrical cables etc. shall be sealed together with all joints having an air leakage integrity at design pressure which is not less than the integrity of the associated ductwork systems.

The units shall incorporate gradual change section pieces between sections to minimise pressure drops, with spacing of components to manufacturer's recommendations to ensure satisfactory operation at each stage and allow access for inspection, cleaning and maintenance. The inside surfaces shall have smooth and easy clean finishes free from structural projection. The location of fan motor, fan belts, filters etc. shall be as detailed in the schedules and on the drawings.

All modular constructed plants shall be provided with purpose made base frames. Bases shall be of sufficient height to accommodate drainage traps from dehumidifiers, humidifiers etc. All plants shall be provided with sufficient access panels/doors and viewing windows to allow maintenance and repairs to be carried out. Coils used in air-handling units shall be rated in accordance with EN 1216. On larger plants, split/multiple coils shall be used.

Construction shall be such as to withstand maximum fan static pressure without deformation and with panel deflection of not more than 1/120 of maximum panel dimension under operating conditions.

Energy recovery shall be via a plate heat exchanger or thermal wheel (fitted with a purge sector), depending on the type of unit. Cleaning access shall be required to both sides of any energy-recovery device.

Where units incorporate recuperators or cooling coils, the internal surfaces of the units liable to be affected by any free water produced shall be protected by anti-corrosion paint (white). Such units shall have adequate drain trays to collect water; the drain trays shall be extended, or other means of collection shall be provided to ensure the removal of any water deposited or condensed in adjacent sections.

Trays collecting cooled water shall be insulated to prevent condensation on the outer surface. All the surfaces/features shall be suitable to withstand regular cleaning with a water solution containing 5ppm chlorine, such as 316 stainless steel. Internal sloping surfaces for humidifier and cooling coil sections to fall to drain. All drains shall be provided with glass U-traps suitable to withstand twice the negative/positive pressure produced by the fan and have a screwed access for cleaning and filling as indicated in TM13 (Minimising the risk of Legionnaire's disease) and as further defined in Department of Health Guidance Notes. Certified type test performance certificates shall be issued on completion of plant testing for fans, coils, filters and electric motors etc. Fire rating type test certificates shall be provided for filters. Individual pressure testing certificates shall be provided for coils. Specific fan performance curves shall be provided and these are to relate to the unit ESP with clean filters.

All wiring from fans is to be taken through the unit casing and a 2 metre tail left for connecting to inverters supplied by the controls specialist

Viewing ports and internal illumination shall be fitted to facilitate routine inspection of the AHU. Viewing ports should be at a convenient height so that temporary ladders are not required. Internal illumination should be provided by fittings to at least IP55 rating. Fittings shall be positioned so that they provide both illumination for inspection and task lighting. All of the lights in a unit shall be operated by a single switch.

320 AIR CONTROL DAMPERS

Motorised low leakage shut off dampers shall be located immediately behind the intake and discharge of each supply and extract system respectively. They shall be of the opposed blade type, opening through a full 90° and must close automatically in the event of power failure or plant shutdown to prevent any reversal of the system airflow.

A manually operated isolating damper should be installed between the main AHU and its distribution system to enable the unit to be isolated when cleaning is in progress.

- Function: Shut off.
 - Damper position: Dampers are to be rigid, with square connections fitted with end and edge seals of a flexible material and with minimal play in linkages. The leakage on shut-off should be less than 2%.
- Damper control: Motorized.
- Type: Multi-blade damper, opposed blade.
- Material: Manufacturer's standard.
- Ancillaries Locking device and Position indicator.

330 FILTERS

Filters shall be securely housed and sealed in well-fitting frames that minimise air by pass.

Mounting frames shall be designed so that the air flow pushes the filter into its housing to help minimise air bypass. Mounting frames shall be capable of being withdrawn so that the filter can be changed without having to reach into the unit.

Neither the filter media, nor any material used in the construction of the filters, shall be capable of sustaining combustion

All filters sections shall be provided with direct reading dial type gauges marked with clean and dirty sectors to visually show filter status.

A complete spare set of filters shall be provided at handover. Filter grades to be as schedule.

Refer to section U83.

340 HEAT RECOVERY

Heat recovery shall be provided to air handling units and be of the type as indicated on the schedules.

Refer to section U85.

350 HUMIDIFIERS

Space for future installation of packaged steam humidifiers shall be provided to air handling units as indicated on the schedules.

Space shall be included within Operating Theatre air handling units for the provision of humidification in the future.

Refer to section U86.

360 PREHEATERS

Duties as schedule.

Frost coils shall be plain tube without fins, where practical. Where this is not practical coils with fins at 6mm spacing shall be used.

Refer to section U84.

370 COOLING COILS

Duties as schedule.

Refer to section U84.

380 REHEATER

Duties as schedule.

Refer to Section U84.

390 FANS

Fans shall be selected to limit the total system (supply and extract fans) specific fan power, as described in the 'Non-Domestic Heating, Cooling and Ventilation Compliance Guide – Section 10. External system resistances for air handling units and fans are given in the schedule.

Fans shall be centrifugal fans with backward curved aerofoil blades, and give an efficiency of not less than 78%.

Fans shall be positioned to 'blow through' the central plant so that the cooling coil and humidifier drains shall be under positive pressure.

Where a centrifugal fan is located with an open intake, the clear distance between the suction opening and the nearest wall should be not less than half the diameter of the inlet. If two fans with free inlets are positioned within the same chamber, their adjacent suction openings should be at least 1 diameter apart.

Fan/s and drive/s shall be provided with mounting frames and isolation mountings.

Motors shall be located externally. On externally driven fans, drive connection or belts shall be provided with airtight seals to prevent leakage. Externally driven fans shall have suitable anti-vibration mountings and frame with flexible connections to the fan sections of the unit. Fan-drive trains, whether supply or extract, should be easily visible without the need to remove access covers.

Fan drives shall be protected by a mesh guard.

All fans shall be controlled by inverter speed control drives supplied by the controls specialist.

Fans shall be capable of being direct start with fixed speed and manual operation in the event of a computer control system failure or software fault.

Particularly attention shall be given to critical care systems serving operating suites, high dependency care units of any type, isolation facilities, laboratories and pharmaceutical production suites in this regard.

- Performance: In accordance with BS 6583.
- Type of fan: Centrifugal.
- Motor mounting: The fan motor shall be external to the air stream.
- Blow through units: Arrange section to allow uniform velocity profile downstream.

Refer to Section U82.

405 ATTENUATOR

Where attenuators are located within the air handling unit they shall be the same cross sectional area as the AHU and have diffusion plenums as necessary.

Cleaning access should be provided at both ends of any attenuator unit.

Attenuators shall meet SHTM03-01 and this specification.

The splitters shall be fitted with 0.8mm mild steel galvanised bull nosed entries and exits to reduce pressure drop.

Normally the attenuators shall be installed with the splitters in the vertical plane. However in some circumstances, i.e. close to a vertical bend it may be necessary to install with splitters horizontally. In those circumstances the splitters shall be suitably stiffened to prevent flexing and restriction of the airway.

Refer to section U87.

FABRICATION

Project Co. shall submit details of all mechanical equipment for comment and place orders in a timely fashion to ensure delivery as per programme

Project Co. shall protect the AHU's from damage or interference during the works.

The AHU's shall be blanked off when delivered to site to prevent dust entering the AHU.

Project Co. shall include for the services of the manufacturer's skilled services engineers to start up, test and check all the AHU's and controls. This shall include all tests to prove that all the AHU equipment is working with and responding to the clients BMS network and head end. The units when commissioned shall be "Set Up" to give maximum efficiency. The AHU's shall be witnessed by the Board before the plant shall be accepted from . Project Co. shall allow for instruction of the clients representative on the working of the equipment.

510 AIR HANDLING UNIT CASING CONSTRUCTION

Supply air handling plants shall be of a packaged construction with a double skin casing, complete with thermal/acoustic insulation material between the two skins. Units shall house filters, coils, fans and motorised inlet dampers, etc. Heat recovery devices shall also be incorporated as detailed in the AHU schedule.

Vibration isolation shall be provided in the form of spring anti-vibration mountings located under fan and motor bases with flexible connections from the fan discharge and the adjoining ductwork.

- Standard: To BS EN 1886.
- Details: is to submit shop drawings and details of dimensions and weight for review.
- Thermal performance of casing, to form part of the technical submission.
- Acoustic insulation of casing: To form part of the technical submission.
- Fire protection: To form part of the technical submission.
- Material: To form part of the technical submission.
 - Finish: To form part of the technical submission.
- Air handling unit feet: Base to suit AHU and depth of drain and pipe fall.
- is to allow space to integrate the BMS controls into each air handling unit, to serve that respective AHU, and liaise with the BMS Specialist to integrate this.

520 AIR HANDLING UNIT ACCESS

- General: Provide access openings and covers complete, including opening devices.
- Seal: To prevent excessive air leakage.
- Seal durability: For normal maintenance operations over at least 10 years.
- Access type: Access doors/hatches as appropriate and where indicated on the drawings or called for in SHTMs, shall be provided complete with handles, locks, keys and latches to the same standards of construction and finish of unit.

Where the unit is large enough for a maintenance engineer to enter the unit, facilities for local maintenance isolation of equipment and opening the doors from the inside shall be provided.

The doors should be large enough e.g. 500mm minimum to allow easy access. Items requiring infrequent access such as attenuators may be via bolted on, lift off panels All doors/panels shall be provided with seals to prevent air leakage.

Access shall be provided as a minimum to fan chamber, dampers, filters, humidifiers and both sides of heating and cooling coils.

Internal lights and double glazed viewing windows shall be provided into fan chambers, either sides of coils, humidifier sections and where indicated on the drawings. Fittings within the unit shall be to IP55 standard and be operated from a single switch. Additionally, the cladding shall be capable of being easily removed as is necessary to obtain access for necessary inspection and maintenance and also for removal of large items of equipment.

All necessary items shall be assembled by means of nuts, bolts, anti-vibration lock washers equal and approved quick release fastenings. Access doors on isolation suite extract shall have biohazard label affixed.

EXECUTION

610 COMPONENT ASSEMBLY

- Sealing: Provide gaskets between air handling unit sections to prevent air leakage from casing.
- Site drilling of air handling unit: Not permitted.

620A ACCESS

- Access space: Position air handling units to allow space for maintenance and access.

Access for servicing shall be as manufacture recommendations and drawings.

As a minimum Project Co. shall allow the width of the AHU for withdrawing the coils.

630 COIL INSTALLATION GENERALLY

- Venting and draining: Set out pipeline to and from the coils to allow venting and draining of the coils and piping.
- Support: Do not support pipeline and valves on coil connections.
- Access: Allow space to inspect and maintain the coils on both sides.

640 HOT WATER COILS INSTALLATION

- Expansion: Connect pipeline to allow free expansion of headers and tubes.

650A DRAIN LINES INSTALLATION

- All items of plant that could produce moisture must be provided with a drainage system.

The system shall comprise a drip tray, glass trap, air break and associated drainage pipework. All parts of the drainage system must comply with SHTM 03-01.

The drip-tray should be constructed of stainless steel, and be so arranged that it shall completely drain. To prevent 'pooling', it is essential that the drain connection should not have an up-stand; and that a slope of 1 in 20 in all directions should be incorporated to the drain outlet position. The tray must be completely accessible or, for smaller units, easily removable for inspection and cleaning.

Where traps are fitted to plant located outside or in unheated plant rooms trace heating shall be required. The trace heating must not raise the temperature of the water in the trap above 5°C.

660 SERVICES CONNECTIONS

- Entry points: Seal around electrical cable and pipeline entry points to prevent air leakage.
- Flexible cables: Provide between fan motor and local isolator.

670 ISOLATION OF AIR HANDLING UNITS

- Electrical connections: Provide means of isolating air handling units electrically.
- Pipe connections: Provide means of isolating pipelines to air handling units.
- Steam: Provide means of isolating steam to humidifier when access door is opened.

680 SUPPORT FOR AIR HANDLING UNITS

- Method: Purpose made raised frame, with sufficient clearance for drains and traps.

COMPLETION

During the flushing of the pipework system the AHU coil must be by passed or disconnected.

Under no circumstances shall flush through the coils

The units shall be supplied initially with one complete set of spare filters and a further set is to be offered for handover to the client at the end of the contract. This set should be carefully packed and labelled for each plant and filter type.

Alongside each filter gauge a permanent label is required with the following information:-

- Type (pre, bag, final etc.)
- Grade
- Size
- Clean PD (at full speed)
- Dirty PD (at full speed)

910 PRE-COMMISSIONING OF COILS

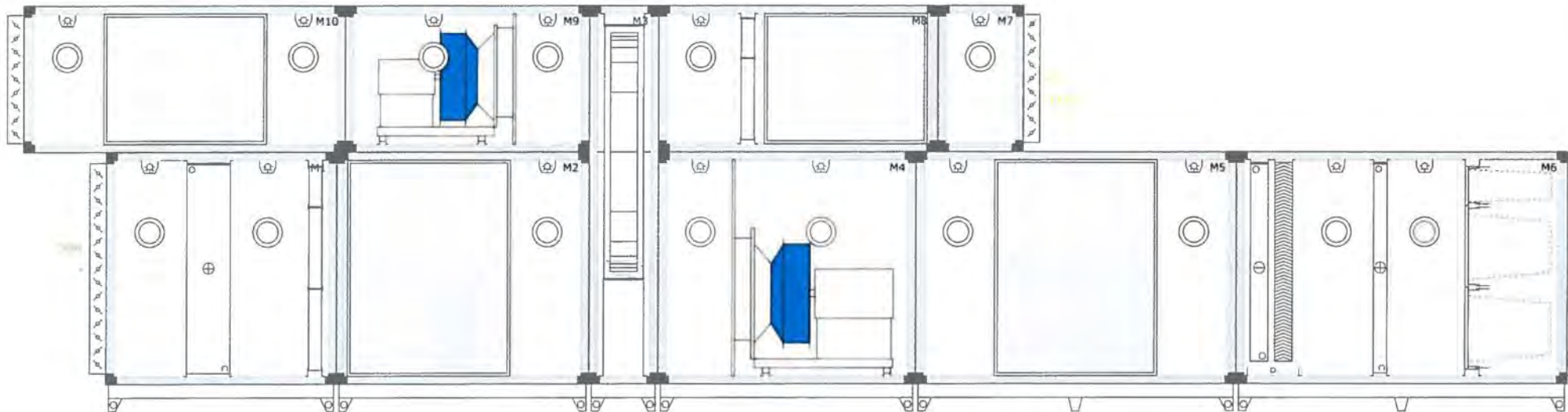
- Preparation:
 - Remove protective covering.
 - Check frost protection and drain if heat is not available in freezing conditions.
 - Straighten fins.
- Cleaning and chemical treatment: Use chemicals compatible with the materials in the coils.


920 AIR LEAKAGE TESTING

- Testing: In accordance with HEVAC Guide to air handling unit leakage testing.

930 TESTING

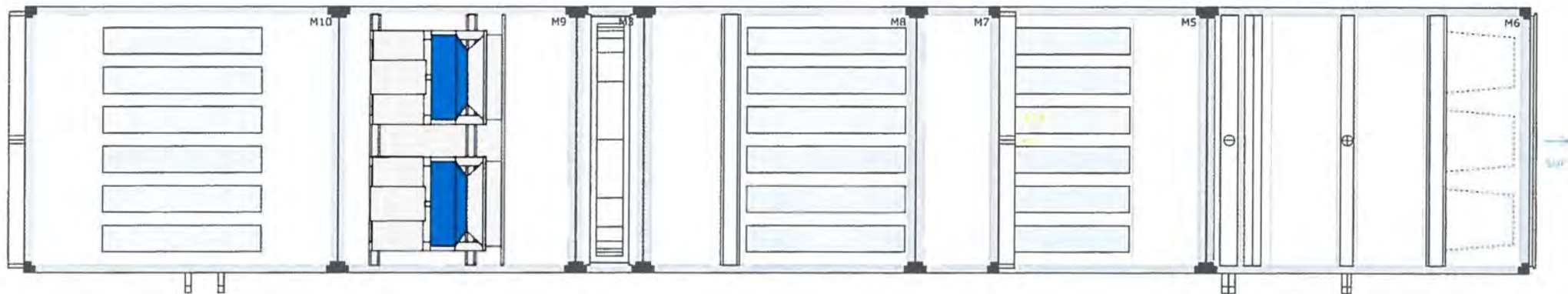
- Test location: On site before incorporation in works. (Selected factory testing/inspection may be carried out)
- Test results: Submit.




Side View		
	TITLE	SCALE
	Air Handling Unit AHU 04-07	W/S
	MODEL	eSDM 4/5
WORK NUMBER		O2013-870
WORK/LOCATION		RHSC and DCN / Edinburgh

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



Top View		
	TITLE	SCALE
	Air Handling Unit AHU 04-07	W/S
		MODEL
		eSDM 4/5
		WORK NUMBER
		02013-870
WORK/LOCATION	RHSC and DCN / Edinburgh	

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



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Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

Unit Dimensions (W × H × L)	2005 × 2975 × 11560	mm
Unit Weight (empty coils)	4537.9	kg (± 5%)
Unit Weight (with coils fully liquid loaded)	4669.5	kg (± 5%)

Classification of Unit - EN 1886:2007

Mechanical Stability	D1 (R)
Air leakage with -400 Pa	L1 (R)
Air Leakage with +700 Pa	L1 (R)
Filter Bypass Leakage	F9 (R)
Thermal Transmittance	T2 (M)
Thermal Bridging	TB2 (M)

	125	250	500	1k	2k	4k	8k	Hz
Acoustic Insulation (Dp)	5	7	8	10	12	15	22	dB (M)

EUROVENT Data

Designed for wet conditions	
Design Outdoor Temperature for Winter	-10.00 °C
Velocity in AHU cross section	1.75 m/s
Air Velocity Class (EN 13053:2006)	Class V2
Fan power input for Supply fan	1 X 9.36 kW
Fan power input for Extract fan	1 X 1,395 kW
Recovery Efficiency	68.5 %

(balanced air flows - EUROVENT RS 6/C/005-2016)



Module Dimensions

	Dimensions (W × H × L)	Weight
Module 1	2005 × 1700 × 1700 mm	521.4 kg
Module 2	2005 × 1700 × 1860 mm	473.7 kg
Module 3	2005 × 2775 × 510 mm	484.7 kg
Module 4	2005 × 1700 × 1900 mm	602.6 kg



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Group: Construction-Rev

	Dimensions (W × H × L)	Weight
Module 5	2005 × 1700 × 2360 mm	541.6 kg
Module 6	2005 × 1700 × 2450 mm	663.3 kg
Module 7	2005 × 1075 × 630 mm	102.6 kg
Module 8	2005 × 1075 × 2060 mm	393.8 kg
Module 9	2005 × 1075 × 1800 mm	341.9 kg
Module 10	2005 × 1075 × 2370 mm	412.4 kg

Noise levels

Sound power level	63	125	250	500	1k	2k	4k	8k	Hz	Total	
Supply air	71	62	57	52	32	9	18	20	dB	53	dB(A)
Outdoor air	59	62	54	47	33	14	23	27	dB	50	dB(A)
Sound break out Supply	81	85	81	83	79	75	67	57	dB	84	dB(A)
Exhaust air	61	52	50	48	29	8	17	26	dB	47	dB(A)
Extract air	55	45	41	36	17	0	5	13	dB	37	dB(A)
Sound break out Extract	72	69	65	69	62	55	45	35	dB	68	dB(A)
Sound break out	81	85	81	84	79	75	67	57	dB	84	dB(A)



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Supply Line Sections

1 Admission

Pressure Drop	4	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	4	Pa
Accessories	Manual Lever	

2 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



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Group: Construction-Rev

3 Coil

Heating

	Cu--FeZn P3012LAC 9R-46T-1695A 21C 1 1/4"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop	27.9	Pa
Air temperature before/after	-10.00/5.00	°C
Air relative humidity before/after	100.0/32.3	%
Capacity	94.85	kW
Interior Length	1695	mm
Interior Height	1380	mm
Air velocity (finned area)	2.00	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	4183.030	l/h
Fluid pressure drop	17.1800	kPa
Fluid velocity	0.51	m/s
Coil volume	0.088700	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	9.0	
Kvs (1.3 x Kv)	12.98	m ³ /h

4 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



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Group: Construction-Rev

5 Filter

Dimensioning pressure drop	54	Pa
Initial pressure drop/Final pressure	35 / 72.0	Pa
Velocity, face area	2.03	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	6 x [592x592] + 3 x [287 x 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class <small>(acc. to EUROVENT 4/11)</small>	N/A	

Accessories Differential Pressure Switch

6 Sound Attenuator

Pressure Drop								11	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material								Standard	
Configuration								100/200	
Baffle Length								1200	mm

7 Empty Section

Pressure Drop	3	Pa
Length	500	mm

Accessories Condensates Tray
Lighting
Inspection Visor



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Group: Construction-Rev

8 Heat Exchanger

Product Code **ST1-SL-W-1750-CS-200**
Rotary, Condensation

		Supply	Extraction	
WINTER	Pressure Drop	198.0	74.0	Pa
	Air Temperature (Entry/Exit)	5.00/10.37	20.00/5.68	°C
	Relative Humidity (Entry/Exit)	32.3/22.4	50.0/97.5	%
	Capacity	44.898		kW
	Temperature efficiency	35.8	95.5	%
	Condensates	0.000		l/h
SUMMER	Pressure Drop	198.0	74.0	Pa
	Air Temperature (Entry/Exit)	26.00/23.82	20.00/25.82	°C
	Relative Humidity (Entry/Exit)	52.0/59.2	50.0/35.2	%
	Capacity	14.397		kW
	Temperature efficiency	36.31	96.93	%
	Condensates	0.000		l/h
	Rotor Drive		None	

9 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



10 Twin Fan

The fan system effect is taken into account in the fan performances.

Direct Drive			
Impeller Type		ER71C-4DN.L7.1R	
Number Of Fans		2	
k-factor		490.0	
Air Flow		5.20	m ³ /s
Dynamic Pressure		83	Pa
Fan Static Pressure		1082	Pa
Internal Static Pressure		482	Pa
External Pressure		600	Pa
Total Pressure		1165	Pa
Fan Speed		1432	RPM
Total Efficiency Impeller		77	%
Fan ErP Class		2015 w/ freq. conv.	
<small>(Directive 2009/125/CE, Regulation UE 327/2011)</small>			
SFP		1800	W/(m ³ /s)
Absorbed Power		7.919	kW
Maximum Fan Speed		1850	RPM
Nominal Frequency		50.0	Hz
Operation Frequency		48.71	Hz
Max. Operating Frequency		63.0	Hz
Accessories		Frequency Inverter	
		Flexible Connector	
		Lighting	
		Inspection Visor	
Motor			
Motor Technology		AC - ZAmotbasic IE2	
Insulation Class		Thermistor, Thermal Class 155	
Ingress Protection		IP55	
Frame		180/IMB 3	
Nominal Power		18.5	kW
Speed Nominal		1470	RPM
Nominal Current		34.74	A
Voltage		3~400	V



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Group: Construction-Rev

Consumed Power

9.36 kW

(calculated considering frequency inverter)

11 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray Lighting Inspection Visor	

12 Sound Attenuator

Pressure Drop								11	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material Configuration								Standard	
Baffle Length								1200	mm

13 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray Lighting Inspection Visor	



14 Coil

Cooling

	Cu-CuSn-Inox304 P3012AR 3R-46T-1690A-3.0pa 23C 1 1/2"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop (Wet)	52.5	Pa
Pressure Drop (Dry)	31.3	Pa
Air temperature before/after	26.00/18.00	°C
Air relative humidity before/after	52.0/79.7	%
Total cooling capacity	62.3	kW
Sensible heat ratio	0.82	
Finned Length	1690	mm
Finned Height	1380	mm
Air velocity (finned area)	2.31	m/s
Condensate	15.000	l/h
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	6.00/12.00	°C
Fluid flow rate	8924.040	l/h
Fluid pressure drop	24.9300	kPa
Fluid velocity	0.99	m/s
Coil volume	0.033100	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	3.0	
Fin material	CU_SN	
Fin spacing	3	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	23.23	m ³ /h

15 Droplet Separator

Material	PP	
Model	PSG33	
Pressure Drop	12	Pa
Length	230	mm



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Group: Construction-Rev

16 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



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Group: Construction-Rev

17 Coil

Heating

	Cu-Cu-FeZn P60AC 1R-23T-1695A-2.5pa 4C 1 1/4"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop	10.5	Pa
Air temperature before/after	5.00/18.00	°C
Air relative humidity before/after	50.0/21.0	%
Capacity	82.33	kW
Finned Length	1695	mm
Finned Height	1380	mm
Air velocity (finned area)	2.10	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	3631.030	l/h
Fluid pressure drop	18.6700	kPa
Fluid velocity	1.31	m/s
Coil volume	0.012000	m ³
Connections side	Right	
Tube (Cu)	0.4	mm
No. of rows	1.0	
Fin material	CU	
Fin spacing	2.5	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	10.81	m ³ /h

18 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



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Group: Construction-Rev

19 Filter

Dimensioning pressure drop	73	Pa
Initial pressure drop/Final pressure	48 / 98.0	Pa
Velocity, face area	1.98	m/s
Filter class (EN 779:2012)	F7	
Filter Type	Bag	
Filter Size	6 × [592×592] + 3 × [287 × 592]	mm
Filter Energy Efficiency Class (acc. to EUROVENT 4/11)		

Accessories Differential Pressure Switch

20 Supply

Pressure Drop	0	Pa
Length	10	mm
Air Interfaces		
Connection Flange		
Pressure Drop	0	Pa
Length	50	mm



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

Extract Line Sections

21 Extraction

Pressure Drop	0	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	0	Pa
Accessories	Manual Lever	

22 Empty Section

Pressure Drop	3	Pa
Length	500	mm

Accessories

Condensates Tray
Lighting
Inspection Visor

23 Sound Attenuator

Pressure Drop								4	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material								Standard	
Configuration								100/200	
Baffle Length								1200	mm



24 Filter

Dimensioning pressure drop	67	Pa
Initial pressure drop/Final pressure	14 / 120.0	Pa
Velocity, face area	1.24	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	3 × [592×592] + 3 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class <small>(acc. to EUROVENT 4/11)</small>	N/A	

Accessories Differential Pressure Switch

25 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Lighting	
	Inspection Visor	

26 Heat Exchanger

The data for this section is displayed on the Supply line

27 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



28 Twin Fan

The fan system effect is taken into account in the fan performances.

Direct Drive		
Impeller Type	ER63C-4DN.H7.CR	
Number Of Fans	2	
k-factor	381.0	
Air Flow	1.94	m ³ /s
Dynamic Pressure	16	Pa
Fan Static Pressure	416	Pa
Internal Static Pressure	166	Pa
External Pressure	250	Pa
Total Pressure	432	Pa
Fan Speed	922	RPM
Total Efficiency Impeller	74	%
Fan ErP Class	2015 w/ freq. conv.	
<small>(Directive 2009/125/CE, Regulation UE 327/2011)</small>		
SFP	718	W/(m ³ /s)
Absorbed Power	1.129	kW
Maximum Fan Speed	1750	RPM
Nominal Frequency	50.0	Hz
Operation Frequency	31.68	Hz
Max. Operating Frequency	60.0	Hz
Accessories	Frequency Inverter	
	Flexible Connector	
	Lighting	
	Inspection Visor	
Motor		
Motor Technology	AC - Zamotbasic IE2	
Insulation Class	Thermistor, Thermal Class 155	
Ingress Protection	IP55	
Frame	132/IMB 3	
Nominal Power	7.5	kW
Speed Nominal	1455	RPM
Nominal Current	14.79	A
Voltage	3~400	V



Consumed Power

1.395 kW

(calculated considering frequency inverter)

29 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	

30 Sound Attenuator

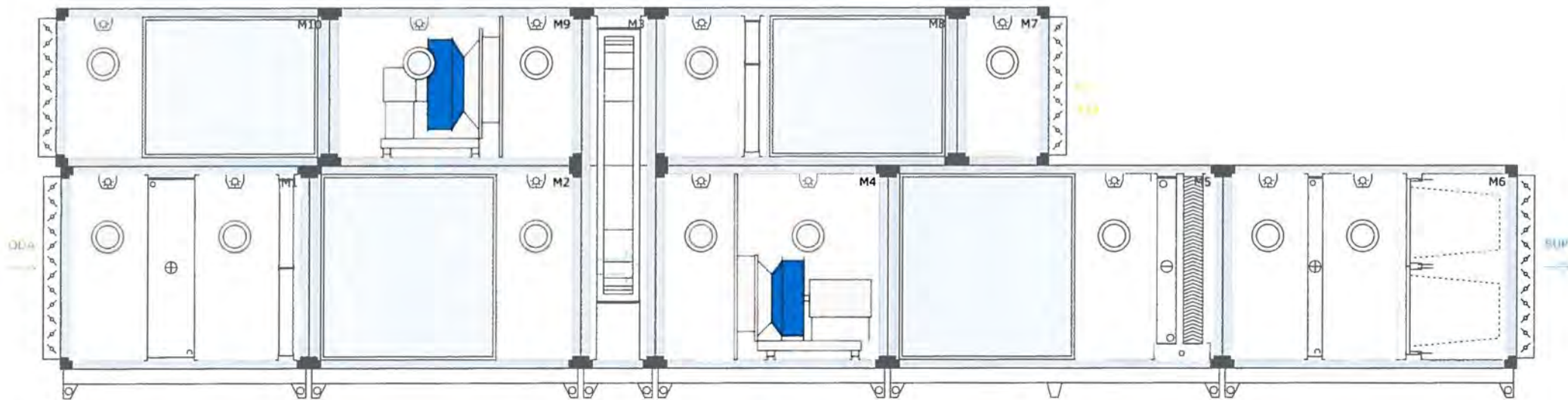
Pressure Drop		4	Pa						
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material									Standard
Configuration									100/200
Baffle Length									1200 mm


31 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	

32 Exhaustion

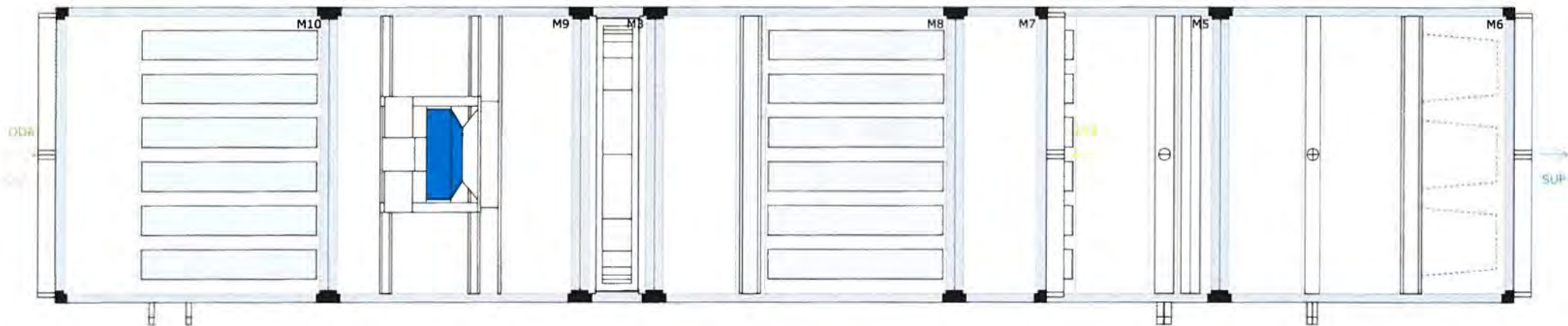
Pressure Drop	2	Pa
Length	10	mm
Air Interfaces		
External Damper		
Pressure Drop	2	Pa
Accessories	Manual Lever	



Side View		
	TITLE	SCALE
	Air Handling Unit AHU 04-09	W/S
		MODEL eSDM 3/5
		WORK NUMBER 02013-870
WORK/LOCATION:	RHSC and DCN / Edinburgh	

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



Top View		
	TITLE	SCALE
	Air Handling Unit AHU 04-09	W/S
		MODEL
		eSDM 3/5
		WORK NUMBER
		02013-870
WORK/LOCATION:	RHSC and DCN / Edinburgh	

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

Unit Dimensions (W × H × L)	2005 × 2655 × 10245	mm
Unit Weight (empty coils)	3902.8	kg (± 5%)
Unit Weight (with coils fully liquid loaded)	4004.8	kg (± 5%)

Classification of Unit - EN 1886:2007

Mechanical Stability	D1 (R)
Air leakage with -400 Pa	L1 (R)
Air Leakage with +700 Pa	L1 (R)
Filter Bypass Leakage	F9 (R)
Thermal Transmittance	T2 (M)
Thermal Bridging	TB2 (M)

	125	250	500	1k	2k	4k	8k	Hz
Acoustic Insulation (Dp)	5	7	8	10	12	15	22	dB (M)

EUROVENT Data

Designed for wet conditions	
Design Outdoor Temperature for Winter	-10.00 °C
Velocity in AHU cross section	1.64 m/s
Air Velocity Class (EN 13053:2006)	Class V2
Fan power input for Supply fan	2 X 3.124 kW
Fan power input for Extract fan	1 X 1.721 kW
Recovery Efficiency	69.9 %

(balanced air flows - EUROVENT RS 6/C/005-2016)



Module Dimensions

	Dimensions (W × H × L)	Weight
Module 1	2005 × 1380 × 1700 mm	447.9 kg
Module 2	2005 × 1380 × 1860 mm	415.2 kg
Module 3	2005 × 2455 × 510 mm	434.8 kg
Module 4	2005 × 1380 × 1590 mm	444.9 kg



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Group: Construction-Rev

	Dimensions (W × H × L)	Weight
Module 5	2005 × 1380 × 2290 mm	628.7 kg
Module 6	2005 × 1380 × 2020 mm	390.3 kg
Module 7	2005 × 1075 × 630 mm	102.6 kg
Module 8	2005 × 1075 × 2060 mm	393.8 kg
Module 9	2005 × 1075 × 1725 mm	282.9 kg
Module 10	2005 × 1075 × 1870 mm	361.7 kg

Noise levels

Sound power level	63	125	250	500	1k	2k	4k	8k	Hz	Total
Supply air	69	58	58	46	29	4	14	15	dB	51 dB(A)
Outdoor air	59	52	55	43	26	8	18	20	dB	47 dB(A)
Sound break out Supply	79	79	82	78	76	70	63	51	dB	80 dB(A)
Exhaust air	62	63	58	51	34	13	27	38	dB	53 dB(A)
Extract air	57	55	50	40	20	1	14	22	dB	44 dB(A)
Sound break out Extract	73	79	74	72	66	60	56	45	dB	73 dB(A)
Sound break out	80	82	83	79	76	70	64	52	dB	81 dB(A)



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

General Data

Inspection side	Right
Connections side	Right
Insulation Thickness	50 mm
Profile	Aluminium Thermal Break 60 mm
Insulation	Rockwool
External Material	Aluzinc
Internal Material	Aluzinc

	Supply	Extract
Air flow (1.204 kg/m³)	3.89 m ³ /s	2.61 m ³ /s
Face velocity (unit)	1.64 m/s	1.45 m/s
External Pressure	600 Pa	250 Pa
Filter	G4, F7	G4
Fan	74.9 %	67.3 %
	981 Pa	398 Pa
	1762 RPM	1241 RPM
Motor	2×7.5 kW	1×5 kW
	3~ 400/400 V	3~ 380/480 V
	2×14.79 A	1×8.00 A

SFP_v, (Clean load condition - EN 13779:2007)	1961 W/(m ³ /s)
SFP_g, (Design load condition - EN 13779:2007)	2049 W/(m ³ /s)
Heat Recovery	57.3 %

Heating 70.94 kW - Air -10.00/5.00 °C - Water 80.00/60.00 °C - 19.300 kPa - 3128.640 l/h
Pipe Connections 1" / 1"

Cooling 46.77 kW - Air 26.00/18.00 °C - Water 6.00/12.00 °C - 20.540 kPa - 6699.610 l/h
Pipe Connections 1 1/2" / 1 1/2"

Heating 61.58 kW - Air 5.00/18.00 °C - Water 80.00/60.00 °C - 20.540 kPa - 2715.760 l/h
Pipe Connections 1" / 1"



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Project: RHSC and DCN
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Group: Construction-Rev

Supply Line Sections

1 Admission

Pressure Drop	3	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	3	Pa
Accessories	Manual Lever	

2 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



3 Coil

Heating

	Cu--FeZn P3012LAC 9R-36T-1705A 15C 1"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop	25.5	Pa
Air temperature before/after	-10.00/5.00	°C
Air relative humidity before/after	100.0/32.3	%
Capacity	70.94	kW
Interior Length	1705	mm
Interior Height	1080	mm
Air velocity (finned area)	1.90	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	3128.640	l/h
Fluid pressure drop	19.3000	kPa
Fluid velocity	0.53	m/s
Coil volume	0.069000	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	9.0	
Kvs (1.3 x Kv)	9.16	m ³ /h

4 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



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Pos: AHU 04-09



Group: Construction-Rev

5 Filter

Dimensioning pressure drop	46	Pa
Initial pressure drop/Final pressure	31 / 62.0	Pa
Velocity, face area	1.89	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	6 × [592×592] + 0 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class <small>(acc. to EUROVENT 4/11)</small>	N/A	

Accessories

Differential Pressure Switch

6 Sound Attenuator

Pressure Drop								10	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material									Standard
Configuration									100/200
Baffle Length								1200	mm

7 Empty Section

Pressure Drop	3	Pa
Length	500	mm

Accessories

Condensates Tray
Lighting
Inspection Visor



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Group: Construction-Rev

8 Heat Exchanger

Product Code

ST1-N-W-1750-CS-200

Rotary, Condensation

		Supply	Extraction	
WINTER	Pressure Drop	126.0	82.0	Pa
	Air Temperature (Entry/Exit)	5.00/13.59	20.00/7.32	°C
	Relative Humidity (Entry/Exit)	32.3/18.2	50.0/99.4	%
	Capacity	48.060		kW
	Temperature efficiency	57.3	84.6	%
	Condensates	0.000		l/h
	SUMMER	Pressure Drop	126.0	82.0
Air Temperature (Entry/Exit)		26.00/22.50	20.00/25.16	°C
Relative Humidity (Entry/Exit)		52.0/64.1	50.0/36.6	%
Capacity		16.854		kW
Temperature efficiency		58.28	86.05	%
Condensates		0.000		l/h
Rotor Drive			None	

9 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



10 Fan

The fan system effect is taken into account in the fan performances.

Direct Drive		
Impeller Type	ER50C-4DN.H7.CR	
Number Of Fans	2	
k-factor	252.0	
Air Flow	3.89	m ³ /s
Dynamic Pressure	39	Pa
Fan Static Pressure	981	Pa
Internal Static Pressure	381	Pa
External Pressure	600	Pa
Total Pressure	1020	Pa
Fan Speed	1762	RPM
Total Efficiency Impeller	75	%
Fan ErP Class	2015 w/ freq. conv.	
<small>(Directive 2009/125/CE, Regulation UE 327/2011)</small>		
SFP	1606	W/(m ³ /s)
Absorbed Power	2.648	kW
Maximum Fan Speed	2470	RPM
Nominal Frequency	50.0	Hz
Operation Frequency	60.55	Hz
Max. Operating Frequency	85.0	Hz
Accessories	Frequency Inverter	
	Flexible Connector	
	Lighting	
	Inspection Visor	

Motor

Motor Technology	AC - Zamotbasic IE2
Insulation Class	Thermistor, Thermal Class 155
Ingress Protection	IP55
Frame	132/IMB 3
Nominal Power	2×7.5 kW
Speed Nominal	1455 RPM
Nominal Current	2×14.79 A
Voltage	3~400 V



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Group: Construction-Rev

Consumed Power

2x3.124 kW

(calculated considering frequency inverter)

11 Sound Attenuator

	Pressure Drop								9	Pa
	63	125	250	500	1k	2k	4k	8k	Hz	
Sound attenuation	9	20	21	28	42	58	42	28	dB	
Cleaning of the material									Standard	
Configuration									100/200	
Baffle Length									1200	mm

12 Empty Section

Pressure Drop	3	Pa
Length	500	mm

Accessories

Condensates Tray
Lighting
Inspection Visor



13 Coil

Cooling

	Cu-CuSn-Inox304 P3012AR 3R-36T-1690A-3.0pa 18C 1 1/2"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop (Wet)	48.8	Pa
Pressure Drop (Dry)	28.9	Pa
Air temperature before/after	26.00/18.00	°C
Air relative humidity before/after	52.0/79.6	%
Total cooling capacity	46.77	kW
Sensible heat ratio	0.81	
Finned Length	1690	mm
Finned Height	1080	mm
Air velocity (finned area)	2.21	m/s
Condensate	12.000	l/h
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	6.00/12.00	°C
Fluid flow rate	6699.610	l/h
Fluid pressure drop	20.5400	kPa
Fluid velocity	0.95	m/s
Coil volume	0.026000	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	3.0	
Fin material	CU_SN	
Fin spacing	3	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	19.21	m ³ /h

14 Droplet Separator

Material	PP	
Model	PSG33	
Pressure Drop	11	Pa
Length	230	mm



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Group: Construction-Rev

15 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



16 Coil

Heating

	Cu-Cu-FeZn P60AC 1R-18T-1705A-2.5pa 4C 1"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop	9.7	Pa
Air temperature before/after	5.00/18.00	°C
Air relative humidity before/after	50.0/21.0	%
Capacity	61.58	kW
Finned Length	1705	mm
Finned Height	1080	mm
Air velocity (finned area)	2.01	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	2715.760	l/h
Fluid pressure drop	20.5400	kPa
Fluid velocity	0.98	m/s
Coil volume	0.008700	m ³
Connections side	Right	
Tube (Cu)	0.4	mm
No. of rows	1.0	
Fin material	CU	
Fin spacing	2.5	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	7.71	m ³ /h

17 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



18 Filter

Dimensioning pressure drop	66	Pa
Initial pressure drop/Final pressure	44 / 88.0	Pa
Velocity, face area	1.84	m/s
Filter class (EN 779:2012)	F7	
Filter Type	Bag	
Filter Size	6 × [592×592] + 0 × [287 × 592]	mm
Filter Energy Efficiency Class <small>(acc. to EUROVENT 4/11)</small>		

Accessories

Differential Pressure Switch

19 Supply

Pressure Drop	1	Pa
Length	10	mm
Air Interfaces		
External Damper		
Pressure Drop	1	Pa
Accessories	Manual Lever	



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Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

Extract Line Sections

20 Extraction

Pressure Drop	0	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	0	Pa
Accessories	Manual Lever	

21 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray Lighting Inspection Visor	

22 Sound Attenuator

Pressure Drop								7	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material Configuration								Standard	
Baffle Length								1200	mm



23 Filter

Dimensioning pressure drop	36	Pa
Initial pressure drop/Final pressure	24 / 48.0	Pa
Velocity, face area	1.67	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	3 × [592×592] + 3 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class <small>(acc. to EUROVENT 4/11)</small>	N/A	

Accessories Differential Pressure Switch

24 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Lighting	
	Inspection Visor	

25 Heat Exchanger

The data for this section is displayed on the Supply line

26 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



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Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

27 Fan

The fan system effect is taken into account in the fan performances.

Direct Drive		
Impeller Type	ER56C-ZID.GL.CR	
Number Of Fans	1	
k-factor	308.0	
Air Flow	2.61	m ³ /s
Dynamic Pressure	46	Pa
Fan Static Pressure	398	Pa
Internal Static Pressure	148	Pa
External Pressure	250	Pa
Total Pressure	444	Pa
Fan Speed	1241	RPM
Total Efficiency Impeller (Incl. motor and inverter)	67	%
Fan ErP Class (Directive 2009/125/CE, Regulation UE 327/2011)	2015	
SFP	659	W/(m ³ /s)
Maximum Fan Speed	1750	RPM
Operation Frequency	50	Hz
Max. Operating Frequency	50	Hz
Accessories	Flexible Connector	
	Lighting	
	Inspection Visor	

Motor

Motor Technology	EC
Insulation Class	Thermistor, Thermal Class 155
Nominal Power	5 kW
Speed Nominal	1750 RPM
Nominal Current	8.00 A
Voltage	3~380/480 V
Consumed Power	1.721 kW



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

28 Sound Attenuator

	Pressure Drop							8	Pa	
	63	125	250	500	1k	2k	4k	8k	Hz	
Sound attenuation	9	20	21	28	42	58	42	28	dB	
Cleaning of the material								Standard		
Configuration								100/200		
Baffle Length								1200	mm	

29 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	

30 Exhaustion

Pressure Drop	3	Pa
Length	10	mm
Air Interfaces		
External Damper		
Pressure Drop	3	Pa
Accessories	Manual Lever	



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WW-XX-04-SH-524-007

Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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AHU Ref:	AHU 04-07	
Drawing Ref:	WW-Z3-04-PL-520-001	
Location:	Zone 2 Level 04 Ventilation Plantroom 3	
Areas Served:	Zone 3 Level 03 - Neuroscience (C1.3), Haematology/ Oncology Inpatients & Daycases (C1.4), Med/ Surg/ Neuro/ Haemo Shared Support (C1.5), Paediatric Neurophysiology (C1.7), Special Feeds Unit (C3), Shelled Space (U1)	
Manufacturer:	TBC	
Supply Section Components:	Inlet	c/w motorised damper. Include actuation.
	Access	Base panels suitable for internal access.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.
	LTHW Frost Coil	Air On/ Off: -10°C/ 5°C Duty: To be provided by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Panel Filter:	G4 filter fitted with external manometer.
	Rotary Thermal Wheel	Winter – On/ Off Coil Temperatures: 5°C/ TBC Summer – On/ Off Coil Temperatures: 26°C/ TBC Minimum Efficiency: 65% Variable speed controlled Include purge section

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

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WW-XX-04-SH-524-007



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Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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	Supply Fan	<p>Design duty: 5.201m³/s against 600 Pa external static pressure Future expansion/ isolation maintenance facility (+20%): 6.241m³/s – fan to be sized to meet this increased duty.</p> <p>Run & Standby Plug Fans to be included in line with SHTM 03-01/ SHPN 04 – Supplement 1. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.</p>
	Attenuator	<p>Integrated within AHU. Length: 1200mm</p>
	Access	<p>Base panels suitable for internal access Internal bulkhead light wired to switch View glass</p>
	CHW Cooling Coil	<p>Air On/ Off: 26°C/ 18°C Duty: To be provide by manufacturer CHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer</p>
	Access	<p>Base panels suitable for internal access Internal bulkhead light wired to switch View glass</p>
	LTHW Heating Coil	<p>Air On/ Off: TBC°C/ 18°C Duty: To be provide by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer</p>
	Access	<p>Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.</p>
	Bag Filter	<p>F7 filter fitted with external manometer.</p>
	Outlet	<p>c/w combined smoke and fire damper (CSFD). Include actuation.</p>

Revision Record:

Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

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WW-XX-04-SH-524-007



Wallace Whittle

Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Extract Section Components:	Inlet	c/w motorised damper. Include actuation.								
	Access	Base panels suitable for internal access.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass								
	Panel Filter	G4 filter fitted with external manometer.								
	Extract Fan	<p>Design duty: 1.943m³/s against 250 Pa external static pressure Future expansion: 2.523m³/s – fan to be sized to meet this increased duty.</p> <p>Run & Standby Plug Fans to be included in line with SHTM 03-01/ SHPN 04 – Supplement 1. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.</p>								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access.								
	Outlet	c/w motorised damper. Include actuation.								
	Weight:	To be provide by manufacturer								
Induct Sound Power Levels dB re 1pW (to be provided by Manufacturer)		63	125	250	500	1k	2k	4k	8k	dB(A) @ 3m
	Breakout									TBC
	Intake									
	Supply									
	Extract									
Discharge										

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

A47224882



WW-XX-04-SH-524-007



Wallace Whittle

Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Notes:

- The schedule has been produced from the available data and will be reviewed and updated as necessary as the T3 drawings are available.
- Units to be in compliance with the requirements of SHTM 03 including access sections and lights pre-wired to external isolator, inverter driven fans, etc.
- LTHW temperatures to heating coils shall be Flow 80°C/ 60°C Return. CHW temperatures to heating coils shall be Flow 6°C/ 12°C Return. Uplift from heating recovery to be taken into account for coil sizing.
- Ductwork installation to comply with DW144. Bends and tees to be provided with turning vanes. Ductwork connecting to the main runs shall be via shoe branches.
- AHU to be suitable for internal plantroom installation and double stacked.
- AHU Manufacturer to include for:-
 - Suitably sized glass traps
 - Bolting together of inspection/ validation of units on site.
- AHU's to be provided with the following:-
 - Casing Strength 2A
 - Thermal Bridging TB2
 - Air Leakage Class B
 - Motor Class EFF1
- Specific fan power (SFP) to be in compliance with the Building Regulations: Section 6.6.
- During the periods that AHU 04-07 requires to be switched off for general maintenance the following procedures shall be introduced to allow the supply ventilation system to the isolation suites to continue to operate under these circumstances;
 - AHU 04-07 follows procedures to switch off for maintenance with the CSFD on the AHU supply outlet closing.
 - 3 no. addressable combined smoke and fire dampers (CSFD's) close on the AHU general ductwork to direct supply air to the AHU 04-07 isolation rooms only.
 - The motorised damper situated on the maintenance/ by-pass branch opens to link AHU 04-07 with AHU 04-06 supply ductwork.
 - AHU 04-06 goes into 'Maintenance Mode' with the supply fan increasing in duty (+20% based on clean filters) to accommodate the additional supply duty required to serve the AHU 04-07 isolation rooms.
 - The combination of existing constant volume dampers (CVD's) to general areas & constant volume boxes (CVB's) to isolation rooms will operate as normal - maintaining the regulation of air flow rates to their respective departments/areas.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

A47224882



WW-XX-04-SH-524-009



Wallace Whittle

Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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AHU Ref:	AHU 04-09	
Drawing Ref:	WW-Z3-04-PL-520-001	
Location:	Zone 2 Level 04 Ventilation Plantroom 3	
Areas Served:	Zone 4 Level 04 - Classrooms (C5) & Clinical/ Management Suite (R1), Restaurant (S7)	
Manufacturer:	TBC	
Supply Section Components:	Inlet	c/w motorised damper. Include actuation.
	Access	Base panels suitable for internal access.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.
	LTHW Frost Coil	Air On/ Off: -10°C/ 5°C Duty: To be provide by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Panel Filter:	G4 filter fitted with external manometer.
	Rotary Thermal Wheel	Winter – On/ Off Coil Temperatures: 5°C/ TBC Summer – On/ Off Coil Temperatures: 26°C/ TBC Minimum Efficiency: 65% Variable speed controlled Include purge section

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

A47224882



WW-XX-04-SH-524-009



Wallace Whittle

Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Extract Section Components:	Supply Fan	Design Duty: 3.894m ³ /s against 600Pa external static pressure Future expansion/ isolation maintenance facility (+30%): 5.062m ³ /s - Fan to be sized to meet this increased duty. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	CHW Cooling Coil	Air On/ Off: 26°C/ 18°C Duty: To be provide by manufacturer CHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	LTHW Heating Coil	Air On/ Off: TBC°C/ 18°C Duty: To be provided by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Bag Filter	F7 filter fitted with external manometer.
	Outlet	c/w motorised damper. Include actuation.
	Inlet	c/w motorised damper. Include actuation.

Revision Record:

Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

A47224862





Wallace Whittle

WW-XX-04-SH-524-009

Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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	Access	Base panels suitable for internal access.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass								
	Panel Filter	G4 filter fitted with external manometer.								
	Extract Fan	Design Duty: 2.608m ³ /s against 250 Pa external static pressure Future Expansion: 3.390m ³ /s - Fan to be sized to meet this increased duty. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access.								
	Outlet	c/w motorised damper. Include actuation.								
	Weight:	To be provide by manufacturer								
	Induct Sound Power Levels dB re 1pW (to be provided by Manufacturer)		63	125	250	500	1k	2k	4k	8k
Breakout										TBC
Intake										
Supply										
Extract										
Discharge										

Revision Record:

Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

A47224882



WW-XX-04-SH-524-009



Wallace Whittle

Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Notes:

- The schedule has been produced from the available data and will be reviewed and updated as necessary as the T3 drawings are available.
- Units to be in compliance with the requirements of SHTM 03 including access sections and lights pre-wired to external isolator, inverter driven fans, etc.
- LTHW temperatures to heating coils shall be Flow 80°C/ 60°C Return. CHW temperatures to heating coils shall be Flow 6°C/ 12°C Return. Uplift from heating recovery to be taken into account for coil sizing.
- Ductwork installation to comply with DW144. Bends and tees to be provided with turning vanes. Ductwork connecting to the main runs shall be via shoe branches.
- AHU to be suitable for internal plantroom installation and double stacked.
- AHU Manufacturer to include for:-
 - Suitably sized glass traps
 - Bolting together of inspection/ validation of units on site.
- AHU's to be provided with the following:-
 - Casing Strength 2A
 - Thermal Bridging TB2
 - Air Leakage Class B
 - Motor Class EFF1
- Specific fan power (SFP) to be in compliance with the Building Regulations: Section 6.6.
- During the periods that AHU 04-08 requires to be switched off for general maintenance the following procedures shall be introduced to allow the supply ventilation system to the isolation suites to continue to operate under these circumstances.
 - AHU 04-08 follows procedures to switch off for maintenance with the CSFD on the AHU supply outlet closing.
 - 10 no. addressable combined smoke and fire dampers (CSFD's) close on the AHU general ductwork to direct supply air to the AHU 04-08 isolation rooms only.
 - The motorised damper situated on the maintenance/ by-pass branch opens to link AHU 04-08 with AHU 04-09 supply ductwork.
 - AHU 04-09 goes into 'Maintenance Mode' with the supply fan increasing in duty (+30% based on clean filters) to accommodate the additional supply duty required to serve the AHU 04-08 isolation rooms.
 - The combination of existing constant volume dampers (CVD's) to general areas & constant volume boxes (CVB's) to isolation rooms continue to regulate air flow rates to their respective departments/areas.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

A47224862





sandometal
Metalomecânica e Ar Condicionado, SA

MANUFACTURER STATEMENT
(Directive 2006/42/CE, Attachment II, Chapter A)



Manufacturer: SANDOMETAL – Metalomecânica e Ar Condicionado, S.A.
Address: Estrada Nacional 10, km127,6 – 2615-133 Alverca do Ribatejo – Portugal

Hereby declares that:
Air Handling Unit
Brand: SANDOMETAL
Model:
Serial Number:

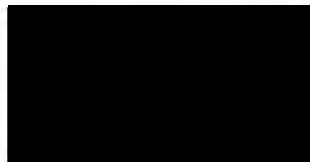
Complies with transposition of Directive 2006/42/EC into national law that is directly enforceable;
Complies with the stipulation of the following EC directives:
Electromagnetic Compatibility (EMC) Legislation, Directive 2004/108/EC
And that:

- Were observed the following parts/paragraphs of the harmonized standards
EN 60204-1:2005
EN ISO 13857:2008
- Were used the following parts and paragraphs of the harmonized standards
EN ISO 12100-1:2003
EN ISO 12100-2:2003
EN ISO 13857:2008

It was excluded from the scope of this statement the electrical power connections that is not manufactured or supplied by Sandometal. The same should be installed in accordance with the specifications stated in the Installation Manual

The Technical File is available for inspection at the Sandometal Head Quarters

Date: 19th November 2015



Director da Qualidade
(Hugo Alves)



Director Técnico
(Rui Santos)



Certification Diploma N° : 09.11.368

Eurovent Certita Certification certifies that

Air Handling Units

from

SANDOMETAL Metalomecanica e Ar Condicionado, SA

Located at

Estrada Nacional 10, km 127,6
2615-133 Alverca do Ribatejo, Portugal

Range

eSDM

Software for calculation of performances

SAHS 1.11.0.407

Trade name

SANDOMETAL

have been assessed according the requirements of following standard

OM-5-2015

The list of certified products is displayed at :

<http://www.eurovent-certification.com>

Manufacturing places

Castanheira do Ribatejo, Portugal

SANDOMETAL Metalomecanica e Ar Condicionado, SA

is authorised to use the EUROVENT CERTIFIED PERFORMANCE mark

in accordance with the rules specified in the Operational Manual

OM-5-2015

Erick MELQUIOND

President

Approval date : 2009/11/18

Re-checked on : 2015/09/22

Valid until : 2016/03/31

Transport, Installation and Maintenance Manual



Sandometal

Metalomecânica e Ar Condicionado, S.A.

Transport, Installation and Maintenance Manual for Air Handling Units

1 – Generalities

This manual contains all information requires for the correct transport, installation and maintenance of the Air Treatment Units Sandometal, further on mentioned as AHU. This manual and all information available from the suppliers of the various components, which is attached and an integral part of the manual, is all the information needed so that the specialized technicians can properly develop their functions.

On the outside of each motor is attached a plate containing the machine's characteristics. It only contains essential data such as serial number, AHU code, electric data and so on. Any additional information can be found in the documents available. If you need additional information or something isn't very clear, please contact Sandometal.

All AHU as well the line of components were manufactured according to the most rigorous processes of production, quality systems and quality guarantee. The project, tests, production and control is set considering the CE standards, and in particular regulations in force. All materials and components used in the AHU respect the same regulations.

These are high quality AHUs. If you follow the instructions carefully and strictly, the AHU can provide you economic flawless service for many years.

Read the instruction closely and review them before handling the AHU. Your AHU may not contain some detailed characteristics in this manual. Please contact Sandometal to get specific information concerning your AHU. In the manual you can find references to some components that are not applicable to your AHU.

You should consider the following instructions to assure a correct and safe installation, use and maintenance of the AHU. It is strongly recommended that all warnings and cautions described in the manual and in the AHU are respected. The non-fulfillment of these instructions can nullity the guaranty.

Remark: Sandometal will not be responsible for any modification such as alterations in any kind of accessory or modifications made to make possible the functioning of the AHU, by deleting security elements provided by the original manufacturers, done by the installer, user or other entity or person.

Transport, Installation and Maintenance Manual for Air Handling Units

Remark: Sandometal will decline responsibility for any damage or loss of profit than can result from utilization or any kind of derangement.

1.1 - Definitions

Installer – person or entity that makes the installation.

User – user is the person, entity or company that acquires or rents the AHU and that intends to use it for the purposes for which the AHU was designed for.

Installation technician – the physical person authorized by the installer to do the installation and do the first AHU start in the predetermined conditions. This person has specific formation and is qualified to do every installation work of the AHU in safety. This person is licensed to identify all riskiness resulting from the installation of the AHU.

Maintenance technicians – physical person that does the AHU maintenance; this means the person that keeps the AHU in good working conditions during the AHU lifetime. This person has specific formation and so he is qualified to realize every maintenance work necessary and is able to identify all risks evolving this task, and can avoid them.

Manufacturer – Sandometal SA

Supplier – any entity that provided an element integrated in the AHU

Installation – any action taken by the installer to put the AHU functioning in the provided conditions. The installation of the AHU should not be mistaken with the global HVAC system.

IAQ – Interior air quality

2 - Safety Considerations

The AHU (air treatment units) are complex machinery. Considering this, the installation and maintenance should have a special attention and the installation and use should only be performed by technicians (specialized in installation and maintenance – as described in the definition section) and familiar with the rules and national laws of security.

Be sure that the operators of the machine transporters have a valid driver's license

Attention: Sandometal will not be responsible for the nonfulfilment of the security rules. Sandometal declines any responsibility for damages caused by the misuse of AHU.

- The specialized technician should always wear adequate security clothes as for example: gloves, glasses, helmet, etc., as it is stipulated by the decree law 374/98 (CEE rule 686/89 modified by the rule 93/68/CEE; 93/95/CEE and 96/58/CE) and respective rules.

Transport, Installation and Maintenance Manual for Air Handling Units

- During the installation, all work should be done in total safety, in a clean and without obstacle spot.
- Always have in mind the valid legislation considering the use and eliminations of the package and products used for cleaning and maintenance of the AHU. Also regard the recommendations of the manufacturer for the products in question.
- You should always count with the safety teams necessary to avoid accidents in the installation spot as well the functioning regarding local rules.
- It is always obligatory to put a net or perforated panel when the air discharged is free, in order to avoid contact with the movable parts, and also avoiding accidents and damages of the AHU.
- Before connecting the AHU be sure that the various components and the entire system are in perfect conditions.
- Never touch or put yourself between movable parts
- Never lean on AHU or use it to climb/reach another locus.
- The accessories that are used to move the AHU should be used for this purpose only.

They should not be used to elevate the AHU when the AHU is connected to other equipments.

- Before starting any installation operation you should carefully verify all values of the characteristic plates.
- Transport the AHU and/or respective units as close as possible to the final installation area.
- In each water discharge pipe, put an adequate siphon. An inadequate siphon can compromise/endanger the IAQ.
- Wait 2 minutes before entering the ventilation section, so that the fans can stop completely.
- Before putting the fans working assure yourself that the damper flow are shut down. If they are open, it can originate an overcharge of the motor.
- It should not be possible to have access to the interior of the AHU without a special key/tool that only the technician of installation or maintenance should possess.
- All intervention should only be done when the installation is without electric current, and after being sure that the AHU can't be plug in, even accidentally.

Attention: the movable units of the fans are Very Dangerous

Transport, Installation and Maintenance Manual for Air Handling Units

Attention: while making the installation you should not do any usage or test without assuring that the fan is completely motionless. You should also guarantee that there is no explosive atmosphere risk during the work.

Attention: do not start any maintenance or cleaning work without assuring that the AHU is plugged out.

- Maintenance and replacement of any damaged pieces should only be done by specialized personnel, following the instructions of this manual.
- The spare parts should always correspond to the requisites established by the manufacturer.
- When unplugging the AHU please consider the valid legislation regarding pollution prevention.

Attention: When putting the machine in use, the installer and user should consider and prevent that all other types of risk related with the HVAC system. For example: risks related with the introduction of strange objects or other kind of risks regarding the admission of toxic or inflammable gases with high temperatures.

Note: Each AHU includes an instruction manual and the indications should be respected: Earth connection, electric cable connection and wire clamp follow rule EN 60204-1, using cable glands with IP protection.

Risk	Factors that determine a dangerous situation	Solution
Mechanical: dragging or imprisonment	Maintenance work done to the equipment	Placing the immovable protection that can only be removed with a special key
Electric: indirect contact	Abnormal electric discharge	Electric connection using a electric conductor, to assure the continuity of the circuit between the motor-fan system and the AHU box.
Mechanical	Faulty installation of the motor	Placing shock absorber to absorb vibrations
Mechanical: crushing, cut	Handling the AHU, maintenance work of the equipment	Place outlines and edges with smooth geometry (round shaped)
Mechanical:dragging, winding	Handling the AHU, maintenance work of the equipment	Paste a sticker indicating that there is the need to put the protection grid on all movable parts in case there is a air discharge. The grid should be fixed with screws, with square openings of 15mm on the side.

3 - Description and main characteristics.

Air handling units – are sets manufactured from a modular-type structure in aluminium or PVC and dual panels injected with polyurethane, that provides a low noise level and an excellent thermal insulation. Each module can contain one or more below mentioned sections, or combinations. This depends upon the purpose of the AHU and their needs concerning flow level, air quality, heat transfer rates, etc.

An AHU can have as main sections the following:

- Air entry section;
- Filter section;
- Humidifier section;
- Heat recovery section;
- Heat exchange section;
- Ventilation section;
- Mitigation section;
- Empty section;
- Free-cooling section;
- Mixing box.

Concerning the ventilation section, the AHU is delivered with “plug fan” fans or double- entry advanced and backing spades; with a direct coupled motor or with belt transmission and strained mechanism. They cover a wide range of flows that can go from 650m³/h upon a maximum of 77.500m³/h. The different series of AHU are designed and manufactured concerning the risk elimination, to fulfill the integrated security conditions and assure the maintenance of high standards of IAQ in the buildings.

When the configuration and the production process allows, Sandometal incorporates directly the most adequate safety devices. In case the conditions of the construction or the utilization do not permit the implementation of those devices in the factory, Sandometal has additional safety devices necessary to implement in the moment of the installation before getting into service. In each case Sandometal has a complete line of accessories to protect the AHU area that may endanger physical integrity of people.

The AHU design is focused on the IAQ. Between other solutions, the condensate trays are inclined in order to allow an appropriate outflow. The tray itself is movable so that the cleaning can be effectively done. It also allows a space to get access to the water coils in order to get them properly clean.

4 – Conformity

The AHU with the mark CE fulfill the legal formalities below:

- motor communitarian directive 98/37/CE;
- Low voltage directive 2006/05/CE;
- Electromagnetic communitarian directive 2004/108/CE;

And the following standards:

- EN ISO 12100-1:2003 (Ed.1) – Safety on machinery. Engine Motor safety. Basic concepts, main principles of conception for design. Part 1: Basic terminology, methodology.
- EN 60204-1:2005 – Motor safety. Safety on machinery – electric equipment of machinery. Main rules.
- NP EN 294:1996 (Ed. 1) – Motor safety. Safety on machinery. Safety distance to hinder that superior members do not reach dangerous areas.
- NP EN ISO 3744:1999 (Ed.1) – Acoustics. Determine the levels of acoustics output produced from the noise of the acoustic pressure. Skill method conditions that approach a free field to a plane reflector.
- ISO 14121 – 1:2007 – Safety of machinery- Risk assessment – Part 1: Principles

4.1 - Scope

These instructions are valid for all AHU

4.2 – Previously Confirmation

After checking the data concerning standard technical information, please check requested protection forms.

5 – Verification before the expedition

Before expedition all AHU go through a rigorous set of verifications listed below:

- Dimensional verifications to check if the present dimensions of the AHU corresponds to the dimensions described in the picture signed by the client;
- Visual inspection of the finishing;
- Verification to assure that all components are complete;
- Functional test to the electric motors and humidifier pumps;

Transport, Installation and Maintenance Manual for Air Handling Units

- Visual inspection to assure that the fan rotor is balanced;
- Tightness test to condensate trays;
- Visual inspection to assure the tightness of the flexible joints of the fans;
- Set registers to locked position;
- Set coils (only for medium and large size) for transport;
- Set vibration dampers of the fan (whenever necessary and regarding the kind of transport used);
- Clean the AHU inside;
- Put the identification plates;
- Put signs that indicate the unloading, the water connections, the electric connections and eye bolts

Remark: a special certificate can be issued concerning the verifications mentioned above upon request of the client.

6 - Transport, reception, storage and moving

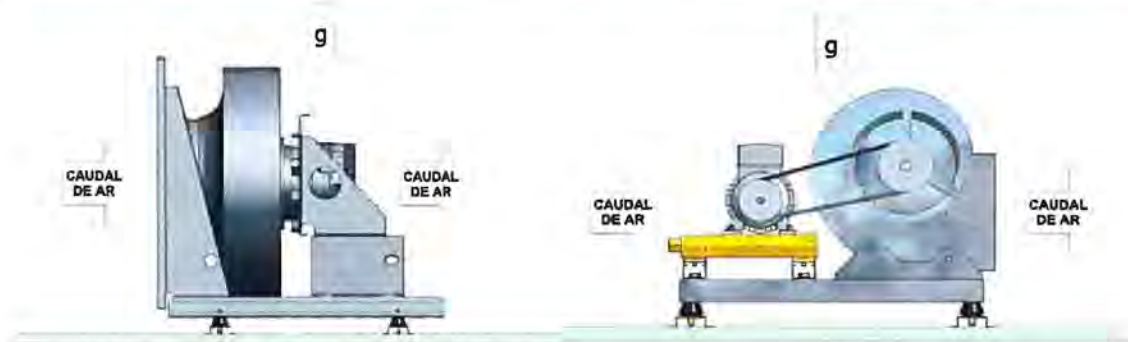
Remark: Sandometal will decline any responsibility if, eventually, damage should oucome from moving, transport or storage of AHU. Be sure that the operators of the machine transporters have a valid driver's license

6.1 – Transport

All AHU delivered are wrapped up in protective film, or in boxes or in normal or water resistant wooden grids, etc.

- The AHU can only be transported in their working position and no other. The shock absorbers of the motor-fan set just work when there is compression. Working position means the position that in the fan section causes compression on the shock absorbers of the fan support as seen in the next picture.

Transport, Installation and Maintenance Manual for Air Handling Units



- The AHU should be protected from damage and contamination.
- The components, that can't be installed in the AHU because of some specific request (structural, technical or because of the transport), will be sent, specially protected and will be described in the guide book.
- All units are divided in structural sections and delivered dismantled. Each section has maximum size of 2400mm (large) x 2500mm (high) and can be transported by truck.
- There is a special care while loading (truck or container). Every section that compose the units are handled and stored using specific separators to protect salient pieces as coil supports, grips, hinges and others

Attention: The transporter is responsible of accommodating the units in the transportation vehicle. For correct accommodation girdles should be used in order to avoid damages.

Attention: do not use the hinges or water connections of the unit as binding spots in any circumstance.

6.2 – Reception

Before unloading the units a careful inspection should be done to see if damage has occurred during the transportation. In case some damage is found, it should be reported to the transporter that will make an appointment on the delivery documents.

- After receiving the unit and before unloading all the material a visual check should be undertaken. Assure that the unit has not suffered any damage resulting from a crash or collision, which could affect the good functioning of the unit, during the transportation
- Check manually if the turbines spin freely, without imprisonment or collisions.
- Any damage found should be reported to the transporter that will accept the merchandise with reservation and make appointments in the delivery documents. At the same time a communication to Sandometal should be done.

Transport, Installation and Maintenance Manual for Air Handling Units

- You should be sure that the model received corresponds to the characteristics of the delivery note.
- You should verify if the data of the characteristic plate of the unit, and the registrations on the motor plate correspond to the electric installation, tension and frequency, etc.
- When the unit is delivered in more than one module, assure yourself that the material needed for a correct installation (screws, hardware, polyurethane sealant and others), is delivered with the unit. Those materials, are shipped in adequate packaging, from the factory.

6.3 - Moving

The AHU are equipped, in the standard version, with base and support feet. When requested, the AHU can also be equipped with a continual base support. In each situation were conceived special openings in order to introduce pipes for elevation with cables.

When moving the AHU you should always consider the adequate means concerning the weights involved, as established by the decree law 330/93 (rule 90/269/CEE), decree law 50/2005 rule 2001/45/CE) and afterwards amendments.

Remark: Set the cables as shown in the picture below. Put adequate length dividers to avoid that the cables damage the box when they are tied up. The distribution of weight should be equal. Be certain that the transporters have a valid driver's license.



- Low down the merchandise carefully avoiding sudden movements or worse. Possible chocks can affect the fans equilibrium.
- Pay attention to the corners and edges than can damage the machinery.
- Void uncontrolled rotations.
- Pay special attention while moving the load in order not to damage prominent pieces, as water entry/exit, handles, hinges, and others.

Transport, Installation and Maintenance Manual for Air Handling Units

When the support feet are installed, the AHU can be handled using a lift-truck, if the forks of the lift-truck have enough length.

Attention:

- Spread the forks as much as possible to balance the load.
- Dip the ends of the forks to avoid damaging the interior panels.

6.4 – Storage

If eventually the unit needs to be storage for a long period of time, before the installation, be sure that the local is sheltered from inclemency, clean and dry, protected from dust, solar light and contamination, far away from heat and vibration sources.

Remark: Sandometal will not assume any responsibility if the AHU suffer any damage resulting from incorrect unloading or inadequate protection against the forces of nature.

7 – AHU Identification

The AHU have an identification plate that contains the following information:

- Manufacturer
- Manufacturer address
- Model
- Client reference
- Pre-filter
- High level efficiency filter
- Absolute filter
- Number of rpm of the fan
- Air flow
- Available static pressure
- Cooling power
- Heating power
- Motor power
- Number of phase-frequency tension
- Serial number

Transport, Installation and Maintenance Manual for Air Handling Units

- Fabrication year

Remark: *to assure a quick response in case you need information, please tell us the serial number of your AHU, when you contact Sandometal.*

8- Installation and Commissioning

8.1 – Safety

Never start the installation of the AHU without reading and understanding chapter 2 – Safety Considerations.

8.2 - Selection of the installation location

Attention: *when installing the AHU be sure that the location is easily accessible in order to do maintenance work.*

- Assure yourself that the chosen location allows a simple unloading of the motor and accessories. This means that there should be any obstacles that hinder the movement of the material needed to install.
- Be sure that the support surface can support the weight of the AHU and will not cause vibrations.
- Be sure that the surface is perfectly horizontal in order to allow the correct linkage of the various sections of the AHU, if necessary.
- Be sure that the AHU is perfectly leveled, using, if necessary the tabs under the supports, assuring that the doors open completely and the compartments remain dry.
- Never place the AHU in rooms that have the chance to introduce strange objects or in which exist inflammable gases or acids, aggressive or corrosive substances that can irretrievably damage the various components of the AHU.
- In case the AHU is suspended from the ceiling, all section that compose the AHU should be suspended from the ceiling to because of the weights. Pay special attention to the alignment between sections.
- Before putting the fan in function verify the involving area. The pieces that are loose or can be loose, may be dragged in the air flow and cause serious damage.

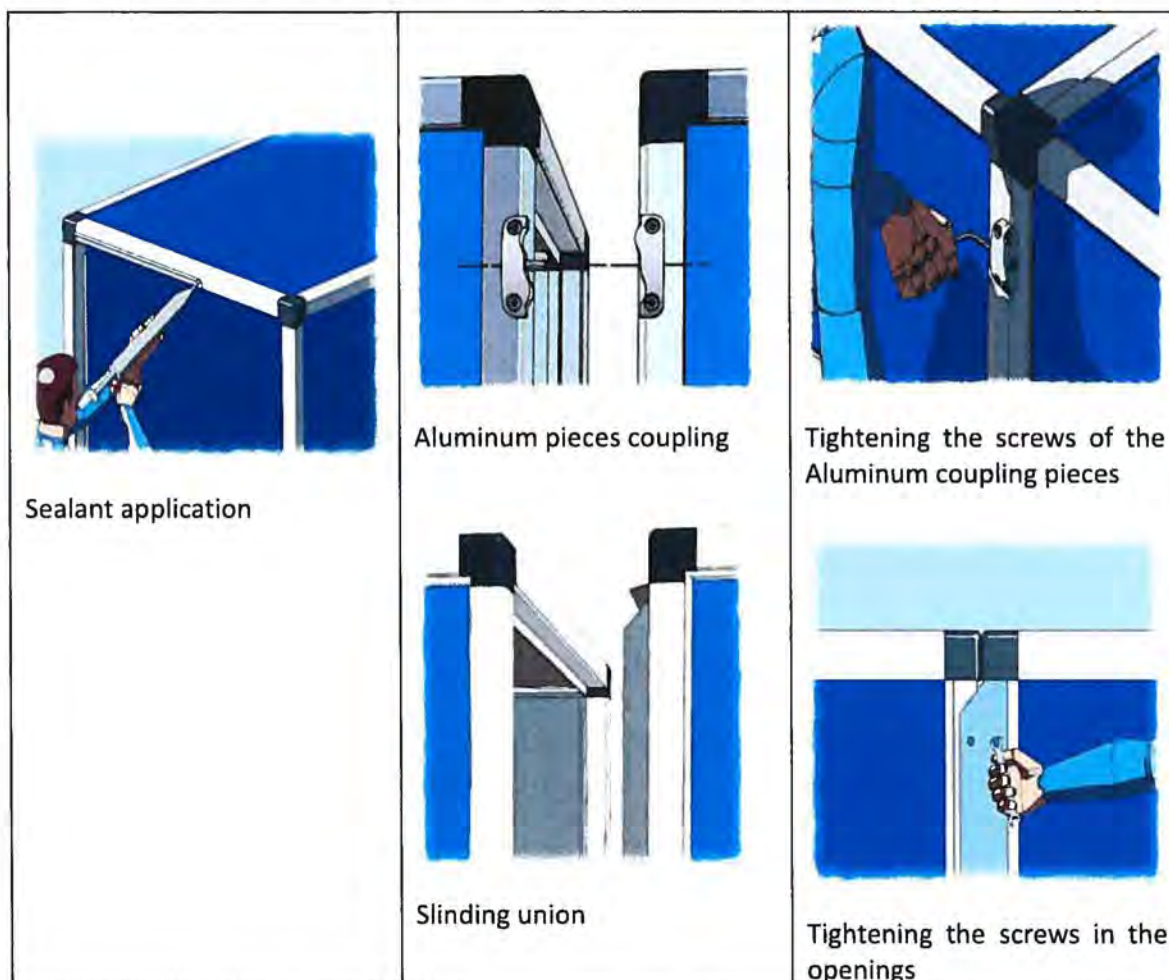
The set motor-fan and the movable pieces of the AHU have their own vibration shock absorbers, and are dynamically isolated from the structure.

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8.3 – Union of the section

To assure a total isolation when the AHU is completely assembled, a sliding union made of plate or a union made by coupling various pieces of aluminum, can also be used as a guide to connect the different sections.

In the picture above show the two coupling processes of the AHU modules:



To assemble the AHU modules look at above images the follow the procedure:

- Be sure that the support surface is leveled
- Apply polyurethane sealant in all perimeter of the union
- Join all the sections using the sliding union
- Tight the screws in the openings. The screws should be tighten from the inside of the AHU, using the inspection doors to grant access or removing the lateral panels next to the union, according to dimensions or configurations of the AHU

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8.4 - Ground connection/surface support

The AHU have motors that need to be installed in horizontal surface. This allows the set motor-fan to stay in a horizontal position upon the dampers, assuring that the tension is pure pressure.

- Pay special attention to the fan while installation, in order to avoid mechanical damage.
- The fixed openings of the AHU (arrangement as well as measures) are standardized and calculated in order to allow the safety and stability needed. That's why the AHU should always be fixed using adequate screws and washers, using all openings available.

To assure a good installation you should consider the following:

- The spacing measures should be adequate in order to avoid interferences between the AHU and the surrounding space. The door that allows to visit the inside of the AHU should always be accessible, in order to allow maintenance operations.
- The measures between openings for fixation should be the same as the ones present in the AHU
- Use adequate tools in a convenient way so that no kind of tension should be made on the components structure.

8.5 – Pipe connections

Remark: The AHU cannot function if the fan exits are not in pipe connections or if they are not protected with a safety net, as the standards recommend.

- The pipe connection should only be done by specialized personnel.
- The pipes should have dimension according to the capacities of the system and the characteristics of the fan. A incorrect calculation of the dimension of the pipe can result in a loss of reduced charge and increase the potency absorbed by the motor and this leads to an increase of velocity of the motor. This leads the motor to a collapse or lead to an activation of the safety system
- To avoid the formation of condensation and to reduce the level of noise, the pipes should be isolated and have a mechanic lining.
- The continuity between the pipe and the AHU should be done by an earth cable.

Remark: high velocity flow can make noise.

8.6 – Water connections

The incorrect installation and incorrect water connections can compromise the right functioning of the entire system or worse, cause irreversible damage to the AHU. These operations should be done by the installation technician.

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8.6.1 - Water connection to the coils



- The AHU are equipped with coils with male thread.
- The installation and the pipe connection are operations that can compromise the good functioning of the unit or worse, cause irreversible damage to the AHU.

Attention: the entry and exit of the water should be installed in order to allow the exchange between counter-current heat and between air and liquid (that flows in the interior of the battery, which can be water or a mixture from water and anti-coagulant), with entry in the base and exit on top. For this reason there is always needed approval from the structured pictures that put in evidence the connection sides.

The AHU have also special plates that indicate the water entry and exit.

- The steam coils have the entry on top and the exit of the condense liquid in the base. The coils are always delivered with counter-current flow.
- The direct expansion coils have welded connections.
- The connection should be tight carefully to avoid damage.
- The path to the pipes should be conceived in order that there is no obstruction when the coils or the filter of the AHU is withdrawn, and to assure access to the inspection doors.
- Support the pipes adequately outside the AHU in order to avoid weight on the coils.
- The isolation should be leaned on the panel to avoid burns/condensation risks.
- Install On-Off valves to isolate the coil from the remaining circuit, in case of special maintenance.

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- If the installation is made in a particularly cold location and there is no plan for installing an anti-freezing device or the addition of an anti-coagulant, empty the system if it will be inactive for long periods of time.
- Withdraw, when planned, the lock nuts for transportation in order to replace the slack, and so ensure the expansion of the pipes.

Attention: Always use two pipe-wrenches when tightening the coil pipes, to avoid strain (twisting/pressure) and that could damage the pipes inside the AHU.

8.6.2 - Water connections to the humidifier

Proceed as the manual of the humidifier manufacturer describes.

8.6.3 - Sewage connections



Connect the discharge of each condensation tray to the sewer directly or using pipes.

- Install an adequate siphon in each discharge pipe to avoid that air enters in the depression system and stops the correct drainage of water. An inadequate siphon also avoids infiltration of bad odours (ex. Trap with ball backstop).
- The dimension and construction of the siphon should obey the following formula: $H \geq P$: P corresponds to the static pressure of the fan in mmHg, equals the millimeters of water column.
- You should pay attention to the measures of the sum of the measures A and B represented in the image. The ideal is that this value is superior to the one of C to avoid lowering the surface of the AHU or altering the base of support of the AHU (quota A) because of the dimensions of the siphon.
- The siphon should be installed with a cover for the lower extraction point of the air, and should permit a easy dismantling and complete cleaning.

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- The path through the condensation drainage should always be inclined to the exterior.
- Assure yourself if the drainage pipe of the condensation does not force the AHU discharge.

Attention: an inadequate siphon originates odors that will be harmful to the IAQ.

8.7 – Electric connections

Attention: all electric connections should respect the provision of the directives of low tension and the directive electromagnetic compatibility, as well as other local rules considered relevant.

Attention: before starting any operation please be certain that the main power source is shut down.

The AHU are powered by electricity, so they necessarily need to be connected to an electrical board. This board should have the potency feed adequate to the AHU requisites (see characteristic plate from the machine).

- The electric connection should be done by specialized personnel.
- The electric board should have components that allow the command of the machine (start and stop).
- Verify if the tension and frequency shown in the plate of the AHU correspond to the power feed.
- All commands should be identified with subtitles in order to avoid confusion or misunderstandings by using Portuguese language or the standard symbology used.
- The electric board should have a general electric cut device with blocking possibility, in order to assure all safety conditions while during the maintenance and functioning in normal conditions.
- The power line of the fan motor should have a magneto-thermal protection system or similar to eliminate any overload charge, power interruption or voltage drop. The same system should not allow a sudden start of the motor.
- All commands should have an ergonomic position and should not be in dangerous locations. They shouldn't allow a sudden start of the machine.
- Connect the AHU and all components with an electric cable adequate to the installed voltage and respecting the regulations in force.
- The section of cables should grant that the drop of voltage while starting, between the source and the machine, should always be 3% inferior to the nominal value.
- Never use adapters, multiple plugs and/or extensions in the main feed voltage of the AHU.

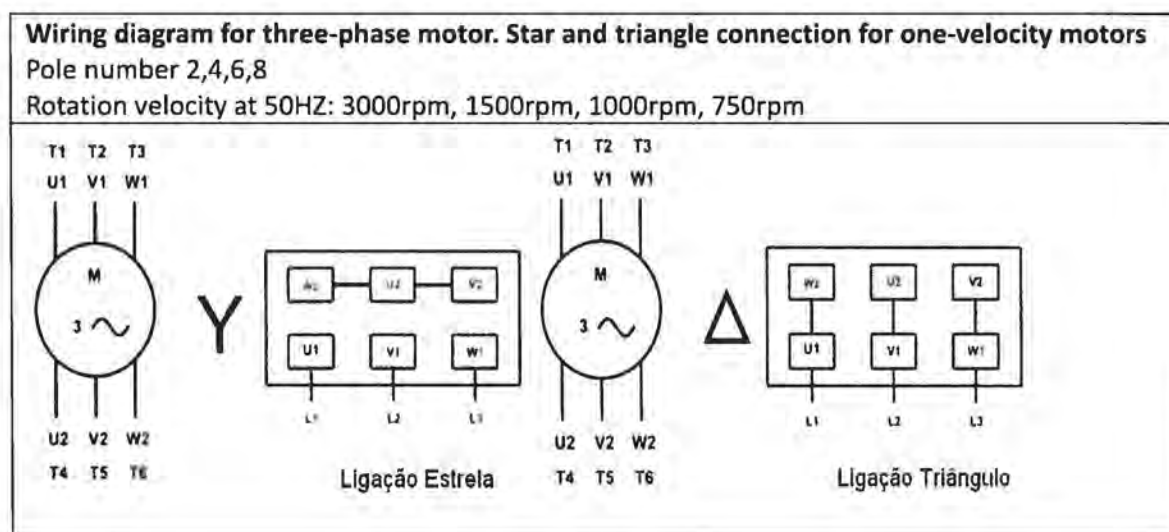
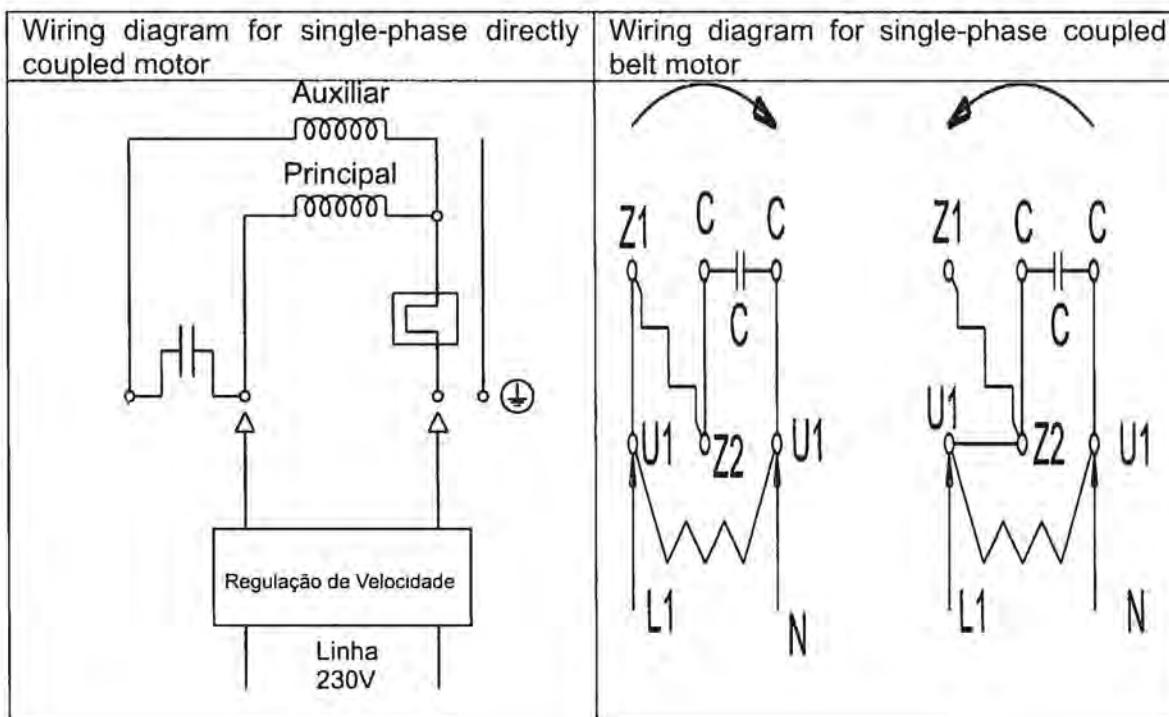
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- The electric continuity between the AHU and the soil should be done by an earth cable.
- In case the motors are connected to a frequency converter, please see the instructions manual of the converter along with this information.

8.7.1 - Motor connections in the ventilation section

Attention: the electricity work should be done by an installation technician. Before connecting the motors read the furnished manual.

Attention: The electric feed should be off, while doing the motor connections. After the motor is connected, and being sure that the electric feed is off, assure yourself that the terminals and the earth connection are properly done.

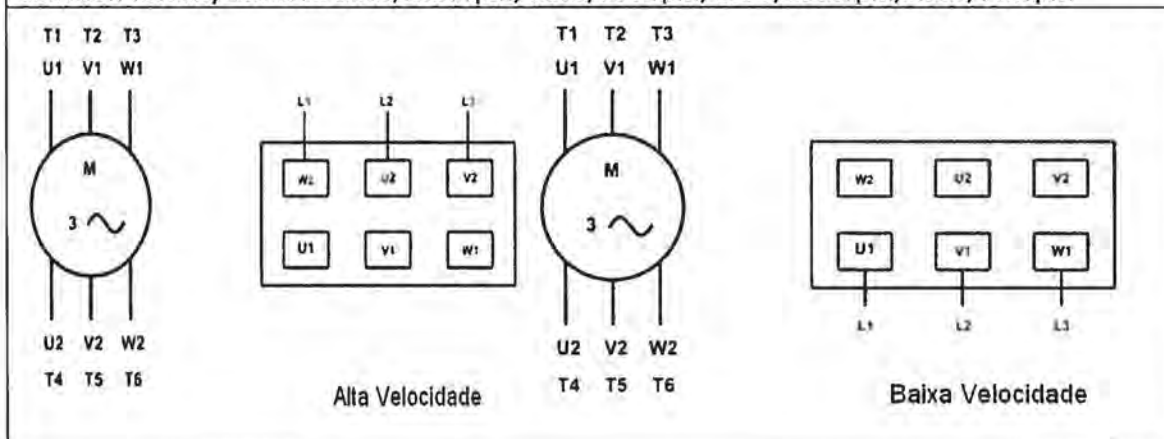


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Wiring diagram for three-phase motor. Connection for two velocity motors, two separate windings.

Pole number 2/6, 2/8, 4/6, 6/8

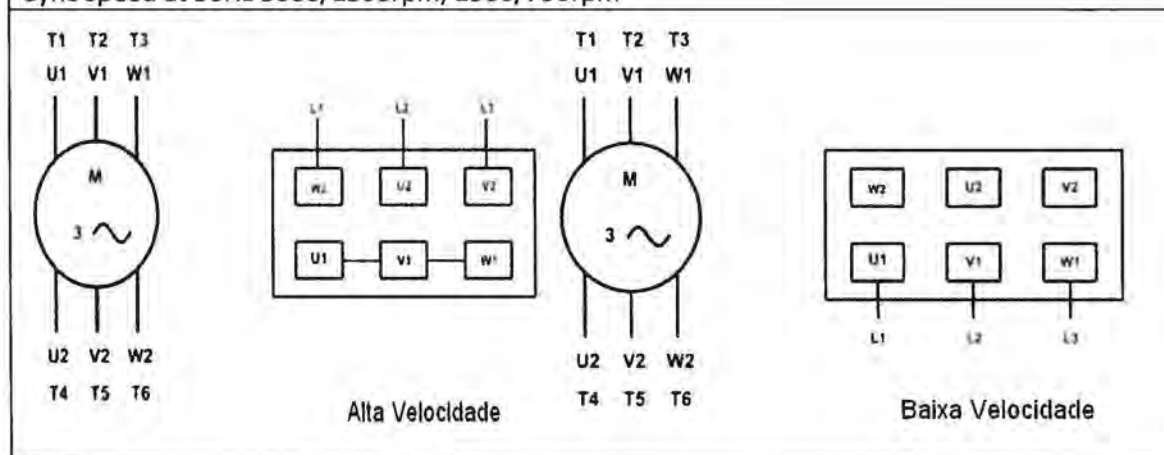
Rotation velocity at 50Hz: 3000/1000rpm, 3000/750 rpm, 1500/1000rpm, 1000/750rpm



Wiring diagram for three-phase motor. Connection DAHLANDAR for two velocity motors, square binary.

Pole numbers 2/4, 4/8

Sync speed at 50Hz 3000/1500rpm, 1500/750rpm



To connect the motor, pay attention to the schemes above and proceed as follows:

- Disassemble the cover of the wire-clamp box and prepare the disposition of the same in order to do a correct connection. To do the connection you should follow the schemes above.
- You will also find a connection scheme inside the wire-clamp box or on the manual send by the motor manufacturer.
- After connecting the fan motors, verify carefully if the connections of the terminal block are adequate for the voltage of the source feed.

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8.7.2 - Electric testing

Attention: The electricity work should be done by an installation technician.

The AHU are electric tested by Sandometal, according to the rule EN 60204-1:2005: isolation resistance and dielectric rigidity. After the installation is complete, the installer should do a test to the continuity protection circuit, in order to assure the conformity with the rule mentioned above.

8.8 - Verifications before start

While installing the AHU do not use tools of abrasive cut to assure the indoor air quality. The interior of the AHU should be cleaned and vacuumed before the first start.

8.8.1 - Mechanical verifications

- Be certain that the machine is correctly fixed to the soil/surface support.
- Assure yourself that the protection of the movable parts is in the right place.
- Be sure that the danger signs are in the right place.
- Be certain that the characteristic plate is in adequate conditions.
- After the installation of the AHU be sure that the turbines can twist freely and without any obstacle.
- Be sure that there are no strange objects inside the AHU either upstream or downstream.
- Be sure that the sewage connections are well executed, and can assure a correct drainage of the condensed.
- Be certain that the dampers mechanism functions properly.
- Be sure that the pre-filters are correctly installed.
- Assure yourself that the connections to the conducts are properly executed.
- Be certain that the fan spins in the right direction, which is indicated by an arrow on the volute or on a special label.
- In case the AHU uses a fan with belt drive you should follow the indications of point 10.4.4 – fan section (pulleys and tightening of the belts).

Attention: the movable components of the AHU are VERY DANGEROUS elements.

8.8.2 – Electric verifications

Attention: The electricity work should be done by an installation technician.

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- Be sure that the electric cable is the right one.
- Be certain that the electric feed cable has no interference or possibility of collision with the spinning components of the fan and the movable couplings.
- Assure yourself that the electric connection to the voltage board is correct.
- Be sure that the electric components are connected and with the right voltage, such as the safety micro-switchers on the door, lights, humidifier pumps, etc. the fan can only function with the right voltage indicated on the characteristic plate of the motor. Verify if the technical characteristics of the plate are the same of electric feed net, V voltage, Hz frequency. Maximum variations in voltage: $\pm 3\%$, in frequency: $\pm 1\%$.
- Be sure that the structure of the AHU is connected to the earth.
- Be certain that the electric system is correctly protected according to the rules in force.

8.9 - Instructions before starting the AHU for the first time

Attention: before starting the fans close the flow registers.

Attention: the first start is done without filters.

8.9.1 –First start

Attention: The electricity work should be done by an installation technician.

Attention: before starting the fans close the flow registers.

- Be sure that the motor connections were done in conformity with the point 8.7.1 - motor connections in the ventilation section.
- Connect to electricity and start the fan.
- Be certain that the fan spins in the right direction (which is indicated by an arrow on the volute or on a special label). If the direction of the spin isn't right, you should switch one or more phases in order to correct the direction of the spin.
- Always complete gradually the initiation period. Start with the registers closed and open them gradually after some minutes (the necessary time for the change star/triangle) until the conditions of the project are achieved.
- Verify if the siphons, which should be installed in every discharge, can empty the condensate trays.
- Test the correct functioning of all stopping emergency devices. Test the correct functioning of the safety/protection devices.

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- Be sure that the motor consumption (intensity A) is adequate and equivalent to the nominal intensity of the motor, which characteristics are on the plate stuck on the motor box.

Attention: *Test the correct functioning of all stopping emergency devices.*

Remark: *it is convenient to make a check of the consumption after the first hour, and inspect also the fixation and tightening of the screws. Also check the tension and alignment of the transmission belt, if that should be the case, as it is described in the MAINTENANCE chapter.*

Remark: *After the first start a cleaning should be done to the interior of the AHU. Avoid the use of abrasive and aggressive substances on the surface.*

8.10 – Filters

Attention: *the filters are placed after the first start and a complete cleaning.*

- To reduce the undesired waste of the non-reutilized filters, those will be delivered packaged and should be installed on the AHU by the installer. After the first start you should install the filters carefully, taking into consideration the application and condition of the joints, to avoid a bypass to the filter.

9 – Putting into operation

The AHU should have a diary where the first entrance should be the date which the AHU started to function. This diary should be kept in good conditions by the installation technician. The technician should write down the date of every intervention, the cause of the intervention, a list of the procedures, the dates of the inspections done, the regular maintenance services and any other record considered relevant for the good functioning of the AHU and the maintenance of the IAQ of the local that the AHU serves.

This will create the history of the AHU that will be very important in the future. Attached to this diary should be a copy of this manual, a description of the AHU function in the HVAC system, a scheme of the HVAC system where the AHU is inserted and it can also be useful to have a copy of the existing pipeline networks of the AHU.

- The panels/doors should always be in the right place while the AHU is functioning with the condition that the doors are always fixed/closed with the means supplied originally or exact the same installed in the same way as the original ones.

Attention: *the expression fixed/closed meant above makes reference to a blocking situation to any strange personnel that could have access to the AHU. So there will be no possibility for someone to have access to the interior, unless they have a special tool/key, which shouldn't be easily accessible to anyone.*

If a failure of the equipment occurs or there is the suspicion of a failure, the AHU should be stopped immediately until a maintenance technician can check the failure or do the repair.

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10 – Maintenance

Attention: all maintenance work should only be done when the AHU is plugged off. Verify if the AHU can't be connected to the electricity, even by accident.

The user must assure that all maintenance services are done. The maintenance work should only be done by the maintenance technician. Please consult all the suppliers documents annexed to this manual, for specific maintenance works of the different components of the AHU.

- Consult the machine diary and this manual before doing any maintenance work.
- Write down all necessary and relevant information, all procedures done and the dates in which the maintenance and inspection work occurred.
- Always wear gloves to protect the hands while doing the maintenance work.
- Always use adequate tools to do the maintenance work.
- In case the panels need to be removed, the electric feed source has to be isolated from the AHU.
- In case it is very windy please pay attention when removing the panels/doors of the AHU

The number of times and the frequency of an adequate maintenance work depend principally from the quality of the liquids treated: air and water.

The air can be particularly harmful for the AHU if it contains significant amounts of pollutants or aggressive substances, as for example:

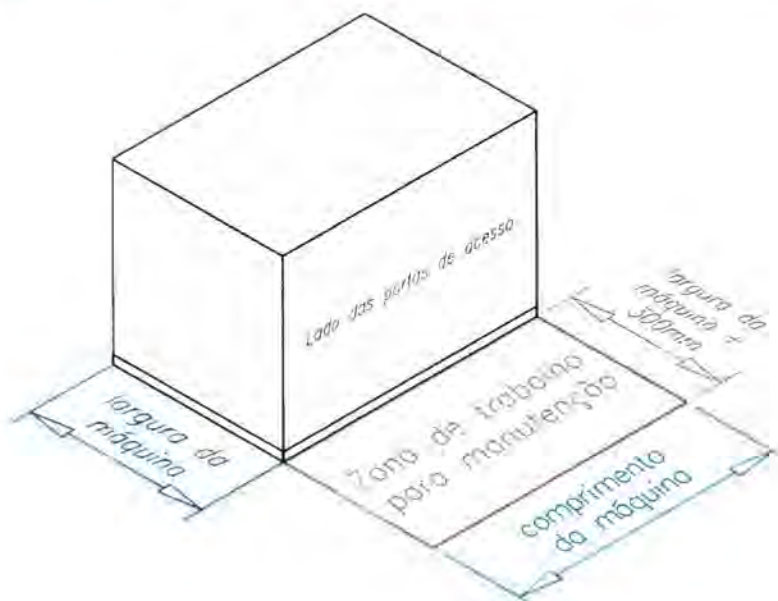
- Industrial discharges;
- Salinity;
- Chemical gases;
- Heavy dust.

Those substances when entering in contact whit the interior and exterior of the AHU, through the air flow or direct exposure, can in time and when there is insufficient and irregular maintenance cause structural and functional deterioration of the AHU.

10.1 – Location reserve

For each maintenance work should be reserved an area located exactly in front of the access doors of the machine as shown in the image below:

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10.2 – “LOCK-OUT TAG-OUT” procedure

Attention: the maintenance technician should be the only authorized person to do the maintenance work and also the one to do the “LOCK-OUT TAG-OUT” procedure.

Any maintenance work always isolate the AHU from any electric feed source and remind that the machine is in maintenance:

10.2.1 –Lock procedure

- Notify all persons affected by the lock system.
- Find all electric feed sources of the machine.
- Disconnect the machine locking (LOCK) all electric feed devices, using the energetic isolation system.
- Leave a note (TAG) near the lock, saying that the machine is in maintenance.
- Free the AHU from any accumulated energy.
- Commute all machine control devices between on and off to be sure that the machine does not work.
- After verifying, leave all devices in the off position.

Attention: only the authorized person can do the locking and put the tag and it is only this person that can undo it. If it is you that did the locking and put the tag, only you can take them away. If this person isn't available to undo the locking and take the tag from its place, only the direct supervisor can do it, and the supervisor has to apply his own locking.

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Attention: wait 2 minutes before entering in the ventilation section, in order to allow the ventilation circuit to stop completely. Always take into account that the fans, even when they are electrically stopped, can spin and cause serious damage.

10.2.2 – Unlock procedures

- Verify if all tools, pieces, etc. were removed from the machine after maintenance.
- Put all safety protections back in place.
- Be sure that there are no persons near the machine.
- Remove all locking devices.
- Connect the energy feed to restore the machine potency.
- Verify all operating modes of the machine, testing all functions dependent from the electric energy.

10.3 – Cleaning

Attention: All cleaning procedures should be done with adequate individual equipment such as waterproof apron, long barrel gloves and glasses.

The cleaning should be done using a wet rag with a non-aggressive detergent for stainless steel, galvanized steel, PVC or the environment. A common dishwasher detergent is adequate.

10.4 – Specific procedures

The AHU diary should be filled.

Next you will find a list of the inspection services and maintenance to be done, and the frequency of the same services. The frequency of the services depends on the kind of installation you have and should be evaluated by the maintenance technician. The services should also be adequate to kind of effective use and installation area. The verifications done before the AHU is put in functioning should be the ones you should do after a long period of inactivity.

10.4.1 – Circulation registers

Component to be inspected and procedure	Frequency
The registers of extruded aluminum with PVC gears, if they don't have pieces susceptible to rust, do not need a special maintenance, only a simple normal cleaning.	Yearly
The outside registers need a more frequent maintenance.	Quarterly

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10.4.2 Filters sections

Attention: Before doing the maintenance of the filters section, close all registers of the machine in order to avoid contaminating the nearby areas.

The AHU should never function without filters. The good maintenance of this section is essential to assure the IAQ. It deserves a special attention because it is a critical section.

The loss of load of the filters increases proportionally as the filters become dirty according to the dust concentration or the air pollutants.

There are filters than can be washed; but there are others such as the filters with filter blankets that can only be shaken, vacuumed or blown. Each of these operations does not give the filter the filter capacity that it had at the beginning. After some time the filter has to be substituted. The right time to do the operations described above can be simplified if the AHU is installed with a pressure switch. If there are no alarms indicating the state of clogging, the frequency of substitution or vacuuming of the filters is described in the following paragraphs. It can be monthly or fortnightly if the air is especially dirty. It can be adapted to the local characteristics.

Have special attention when you reinstall the filters in order to avoid a bypass to the filters.

Component to be inspected and procedure	Medium-frequency	Final loss of charge recommended (Pa)
<p>Pre-pleated synthetic reusable filters (G3/G4):</p> <p>The cleaning should be realized:</p> <ul style="list-style-type: none"> Shake the filters; With compressed air or vacuum. <p>The substitution should be decided by the maintenance technician. But, if the filter remains blackish after cleaning and the filter blanket is not transparent when put in counter-light, the substitution should be done.</p>	Monthly	150 Pa
<p>Pre-pleated metallic filters (G2)</p> <p>The cleaning should be realized:</p> <ul style="list-style-type: none"> Washing with hot water and detergent (degreasing products) and then immerse in mineral oil. 	Monthly	150 Pa
<p>Flexible and rigid bag filters (F5-F9)</p> <p>These filters can not be reused, they have to be replaced. The joints should be carefully verified if the assure yourself that they are sealed. They should be replaced if necessary. The clamping springs should avoid bypasses.</p> <p>When you withdraw the dirty bags, close the suction side in order to avoid spreading the dust inside. In this case the normal installation of the filter allows removing the bag on the suction side, except in cases where the configuration or dimensions of the AHU won't allow it.</p>	According to the limit loss of charge	F5-F7 250Pa F8-F9 350Pa

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Absolute Filters (H10 – H14) See bag filters. Withdraw only from the suction side.	According to the limit loss of charge	400Pa
Activated carbon cartridges filters The efficiency of the carbon can't be easily defined. This efficiency is measured according to the carbon concentration, the kind of pollutant as well the quantity of carbon used. So the duration of the filter can't be easily measured. The carbon should be replaced according to the maintenance technician's opinion, based on the hours of functioning and any calculations done in the conception of the system.	When the filter is unable to capture odors	The loss of charge is constant

10.4.3 – Humidifier sections

Attention: the collect condensate trays of the AHU that have pulverization humidifiers (air washers) are areas where Legionella can be developed. This is a reason why the flow of condensates should be effective and a regular cleaning should be done.

Component to be inspected and procedure	Medium-frequency
Humidification with evaporation panel and recirculation pump Read the suppliers manual on the humidification system	See suppliers information
Humidification in the humidifier nucleus in open circuit Read the suppliers manual on the humidification system	See suppliers information
Steam humidification with immersed electrode Read the suppliers manual on the humidification system	See suppliers information
Humidification with water and compressed air Read the suppliers manual on the humidification system	See suppliers information
Condensation Trays Attention: the collect condensate trays of the AHU that have pulverization humidifiers (air washers) are areas where Legionella can be developed. This is a reason why the flow of condensates should be effective and a regular cleaning should be done. The condensate trays should be cleaned periodically to remove any deposits or dirt. The trays are usually installed under the cooling coil, the heat exchangers and in the humidification sections. The accumulation of dirt can be corrosive to the tray steel and can also clog the flow. Wash with a water jet and dry the tray with a cloth. To empty the tray in the humidification section with a pump, loosen the flow pipe.	Monthly

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10.4.4 – Ventilation sections

Attention: before doing any operation on the motor-fan set, check if the feed source is shut down. Wait 2 minutes before entering in the ventilation section, in order to allow the ventilation circuit to stop completely.

Attention: the spinning components of the fans are very dangerous.

Attention: a degraded belt in use can contaminated the air, degrading the IAQ.

Component to be inspected and procedure	Medium-frequency
<p>Plug-fan fan To do the maintenance to this fan, please see the indications on the instructions manual of the manufacturer.</p> <p>Centrifugal fans The fans, because of their functional design and robust conception, have a reduced maintenance for their correct use. The turbines are balanced with precision level G=6,3, according to the rule ISO 1940/1 and the residual imbalance is between the admissible tolerances. The metallic components are protected against oxidation because they have galvanized finishing. As it is a spinning machine, there are external agents that need you to have minimum necessary precautions of maintenance in order to get efficiency in a continuous way.</p> <p>With the fan off, check if the fan rotor is centered on the axis, if the blades do not touch the volute and if the blades are tightened and do not vibrate. To avoid these situations the coils should be cleaned three in three months, because the dust and the waste deposited on the blades, diminish the efficiency and cause a progressive imbalance that affects the functioning of the set.</p> <p>The phenomenon described above can take place in time, because, for example, of the metal waste in the pipes or because of the natural looseness of the setscrews. Verifications can be done by spinning the rotor manually.</p> <p>The ball bearings used on the smaller standard fans are radial self-aligning ball bearings, with seals and lubricant for all lifecycle and so does not need maintenance. Theoretically, in normal functioning conditions they have a 20.000 hours lifecycle.</p> <p>Check if the motor-fan set is correctly installed with the vibration damper supports and check if the supports are in proper, efficient conditions.</p> <p>High vibrations are a danger symptom. The best way for defining if the variations found in the smoothness functioning is to measure the mechanical vibrations in the bearings and in the activation motors, with accelerometers. The safest way to define those vibrations is to compare medium values for periods of time. In case the values vary in an evident way, possible causes</p>	Monthly

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should be investigated. The causes can be: dirt in the turbine or one or more blades are broken or damaged. If it is dirt, you should clean them and rebalance. If the blades are broken or damaged, please contact or technical services.

Attention: The fans with a lubrication system have an informative tag where is written what kind of lubricant is to be used on startup. The same lubricant is recommended for the maintenance lubrications.

Component to be inspected and procedure

Medium-frequency

Bearings

Monthly

Ball – bearings are spheres used in standard fans and lubricated for the entire lifecycle, even though it is advised to switch them after their completed 20 000 hours of effective functioning. The ball-bearings are easily recognizable because they don't have grease nipples.

Attention: when switching the ball-bearings adequate tools in order not to damage the axis or the seals of the bearings.

To avoid damage and premature stops, the bearings should be inspected with regularity. Avoid entering strange objects, dirt and humidity. Pay special attention to noises or increase of temperature. Usually those are alert signs.

The ball-bearings with lubricated junctions are factory lubricated and don't need to be additionally lubricated before start.

The table below shows the lubrication breaks, based on the functioning conditions:

Temperature	Local functioning conditions		
	Clean	Dusty	Dusty and with humidity
To 50° C	Do not lubricate	12 months	4 months
To 70° C	12months	4 months	1 month
To 100° C	6 months	2 months	15 days
To 120° C	2 months	15 days	5 days
To 150° C	15 days	5 days	2 days
To 180° C	7 days	2 days	1 day
To 200° C	3 days	1 day	1 day

The lubricants with adequate characteristics include: Alvania R2 – Shell, Mobilix 2 – Mobil, Beacon 2 – It. Add lubricant until it appears on the outside of the seal.

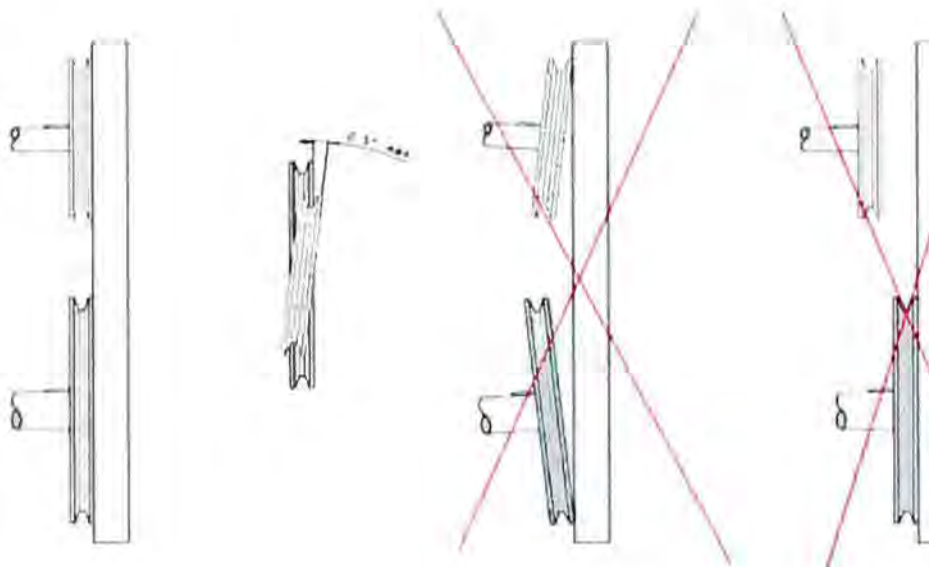
IMPORTANT: AFTER A LONG PERIOD FUNCTIONING, THE LUBRICANT

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SHOULD BE COMPLETELY REPLACED, ADDING NEW LUBRICANT UNTIL THE OLD ONE, LOOKING DARKISH AND LIQUEFIED, COMES OUT.

Pulleys

For the AHUs that, in the fan section, use belt drives, is recommended to tune the alignment of the pulleys and verify the state of the cotter-spin, shaft and key way. The misalignment of the pulleys reduces significantly the lifecycle of the belts. The main causes of misalignment are those shown in the image below:



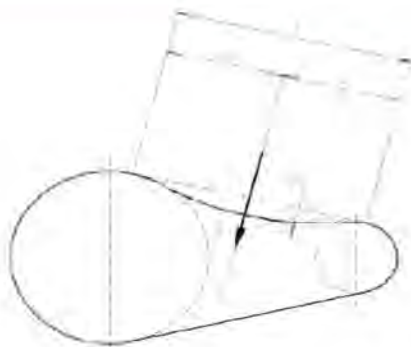
- Misplaced pulleys the shafts.
- The shaft, driving and driven.
- Not leveled shafts.

To inspection the alignment a ruler is necessary. Align the ruler with the outside of both pulleys as shown in the image above. The misalignment exists when the back of the ruler isn't completely lean to the back of the pulleys.

Transport, Installation and Maintenance Manual for Air Handling Units

Component to be inspected and procedure	Medium-frequency
<p>V-belts</p> <p>ATTENTION: a damaged belt in use can contaminate the air and degrades the IAQ.</p> <p>Verify the conservation state of the belt. Replace or tune as described in the following paragraphs. In case there are more than one belt in use in the motor-fan connection, replace the entire set as soon as one is damaged.</p> <p>The low tension is the more adequate. It won't let the belt slide when in is functioning in all capacity.</p> <p>An excessive tension increases the load on the supporters (it can damage the supporters); a low tension allows the belt to slide and wear out the surrounding elements.</p> <p>When necessary switch the belts by lots (very identical manufacturing characteristics). You can switch belts isolated. The placing should not be done in an isolated way or forced in order to avoid damages on the belts.</p> <p>To assure the correct functioning of the belt and consequently of the turbine, the belts must be tuned. The belt can be tune through a parallel movement of the support plate of the motor on the rails. You should always consider the alignment of the v-belt pulleys (see previous point). The right tension of the belt is calculated based on the distance and the deflection force, with a help of a dynamometer.</p> <p>Material needed for tension adjustments of the belt:</p> <ul style="list-style-type: none"> • A ruler which size is superior than the distance between the pulleys axis; • A 200mm ruler; • An adequate dynamometer. 	<p>Monthly</p>

Transport, Installation and Maintenance Manual for Air Handling Units



To verify the tension of the belts do as follows (see the image above):

- Measure the T distance between the centers of the two pulleys.
- Apply the F force on the center of each belt to assure a "V" equal to 1,5mm for 100mm from T (distance between axes). Measure the F force and verify if it is among the limits allowed, as shown in the table above.
- Calculate the sag in millimeters according to the following formula, knowing that for each 100mm of distance between axes the sag is 1,5mm (T-distance between axes in millimeters)

$$F=1,5 \times (T/100) \text{mm}$$

- Measure in the middle of "T" free measure, perpendicular, the force necessary to deflect the belt a dimension "f" from 1,5mm for each 100mm of "T".
- Next compare the result to the dynamometer value (F) with F' and F'' of the following table:

Transport, Installation and Maintenance Manual for Air Handling Units

Belt type	External diameter of the minor pulley (mm)	RPM of the minor pulley	Minimal F' force (Newton)	Maximal F'' force (Newton)
SPZ	50 to 90	1200 to 5000	10	15
	100 to 150	900 to 1800	20	30
	155 to 180	600 to 1200	25	35
SPA	90 to 145	900 to 1800	25	35
	150 to 195	600 to 1200	30	45
	200 to 250	400 to 900	35	50
SPB	170 to 235	900 to 1800	35	45
	250 to 320	600 to 1500	40	60
	330 to 400	400 to 900	45	65
SPC	250 to 320	900 to 1800	70	100
	330 to 400	600 to 1200	80	115
	440 to 520	400 to 900	90	130

- The value measured by F should be between F' and F''. If $F < F'$ it is necessary to increase the tension in the belt. If $F > F''$ it is necessary to diminish the tension in the belt, because the belt is too tight.
- The belts lose tension as time goes by, especially during the first hours of functioning, because of the elasticity of the rubber. So the tension of the belts needs to be controlled and regularly corrected when needed. Before starting the functioning for the first time it is necessary to tune the tension of the belts for a value 1,3 times superior to "f" shown in the tables. The tension of the belts should be checked regularly and always after the first eight hours of functioning. The correction of the tension assures a long lifetime of the belt and also eliminates annoying noises.
- For afterwards packaging the belt should be adjusted according to the values indicated on the table above and with regularity depending on the conditions of functioning.

Remark: high tension reduces the belt's lifecycle, can cause deformations on the fan and motor shafts as well as cause overcharge or deteriorate the bearings

- While verifying the tightening of the belts, check also if the bearings of the fan do not expel liquefied mass: this situation, along with the high temperature of the bearings ($>60^{\circ}\text{C}$), detectable by touch, is a defect symptom.
- Periodically verify the tightening of the belts and adjust them if necessary.

Transport, Installation and Maintenance Manual for Air Handling Units

- The belts should be replaced in case of excessive wear, reduction of size or rupture.

Component to be inspected and procedure	Medium-frequency
<p>motor</p> <p>The motors used o the AHUs were studied in order to have a long lifecycle, if functioning in normal conditions.</p> <p>The motor should be kept clean. The deposition of the dust between the cooling fins is the cause of heating and causes motor breakdowns. You should clean the motor in order to avoid faults.</p>	Quarterly
<p>It is advisable to check the connections of the wire clamp box to verify the correct tightening of nuts and bolts and the condition connection cables.</p>	Annually

10.4.5 - Heat recovery sections

Component to be inspected and procedure	Medium-frequency
<p>Recovery plates</p> <p>See the manual of the recovery plate's supplier.</p>	See suppliers information
<p>Rotary recovery</p> <p>See the manual of the rotary recovery supplier.</p>	See suppliers information

10.4.6 – Diverse verifications

<p>Verify the conditions of the electric cables. Tight all the screws again.</p> <p>Verify if the vibration dampers supporters, the panels and the inspection doors do not have leaks.</p> <p>Verify if there are water leaks in the deposits and secondary distribution</p> <p>Check all screwed connections, nuts, phalanges and water connections that can become loosen because of the vibrations.</p>	Quarterly
--	-----------

Transport, Installation and Maintenance Manual for Air Handling Units

10.5 – Final considerations

- The verifications done before the first start of the AHU should be repeated after long periods of inactivity. When assembling the fan again follow all procedures and instructions that are in the Installation and Commissioning chapter.

11 – Solving problems

Anomaly	Possible causes	Checking	Possible solution
Incorrect energy used by the motor	Excessive flow	Flow, static pressure and fan velocity	Diminish the velocity of the fan, increase loss of charge and close the registers
Excessive air flow	Loss of charge in the net of low conducts	Flow, static pressure and fan velocity	Diminish the velocity of the fan.
	Inspection doors open or lack of panels.	Check doors and panels	Close the doors and panels
	The filters are not in place	Verify the filters section	Place the filters
Insufficient air flow	Loss of charge in the excessive distribution system	Flow, static pressure and fan speed.	Increase the fans speed according to the motor potency and maximum velocity of the fan, adjusting the variable pitch pulley.
	Dirty filters and/or obstructed coils and/or obstructed humidifier agent and/or obstructed air circuits (popes, grids, etc.)	Clean the components	Clean
	Uncorrected leveled registers	Register	Tune the register
	Faults in the fan transmission	Belts	Replace the belts
	The rotor spins in the wrong direction	Use visually the arrow of the volute	Change the electric connections of the motor
Noise	Excessive flow	Flow	Reduce flow
	Wear or rupture of the bearings	Bearings, conditions of the fan and bearings; check the tension of the transmission belts; too tight belts can cause this problem.	Replace bearings and damaged pieces
	Unbalanced fan	Vibrations on the	Replace fan

Transport, Installation and Maintenance Manual for Air Handling Units

		base	
	Magnetic howl of the motor	Net tension	Restore the correct net tension
	Strange material in the volute	fan	Remove the strange objects and verify the damages.
Water haul	Excessive flow	Flow	Reduce flow
	Obstructed siphon	Siphon obstruction	Clean siphon
	No siphon	Presence of the siphon	Put a siphon
Excessive wear of the belts	Sliding of the belts	Belts tension	Tight bearings
	Uneveled pulleys	Flatness of the pulleys	Level pulleys
Desired Exit temperature not reached	Excessive air flow	Air flow	Reduce flow
	Entry air temperature not checked	Check air entry temperature	Increase circulation
	Presence of air in the coil	Purge	Purger
	Insufficient water flow	Water flow	Increase flow
	Insufficient air temperature	Water entry temperature	Increase temperature
The register won't open	Locked	Register gear	Repair the gears and remove strange objects
		Register box outside the miter	Adjust the registers box in order to put in miter again.
		Register axis	Fix the axis to the register blades with nut or tightening screw.

Remark: as the AHU are always part of the HVAC system, many problems can depend on the system and not on the AHU.

12 – Accessories

A Sandometal AHU is presented as shown in chapter 3 **description and main characteristics**. The optional accessories are the following:

- Lights
- Inspection display
- Safety switchers (micro-switchers on the doors)
- Lock

Transport, Installation and Maintenance Manual for Air Handling Units

- Differential manometer
- Differential pressure switch
- Manual regulation of the register
- Exterior anti-rain grid (for AHU that will be installed in the exterior)
- Inclemency covers
- Frequency converter
- Electric board
- Sandometal control

The AHU are conceived to function in all kinds of installations, low, high or medium dimensions, industrial, public, commercial or private buildings, since they possess the conditions listed in the chapter **installation and commissioning**.

13 – Spare parts

- If any piece has to be replaced, please contact our after-sales services

13.1 – Replacement pieces

Next we present a list of all pieces that need to be replaced according to the period of functioning.

Description of the replacement pieces	Set ×1 year	Set ×3 year	Set ×5 year
Belts (for each fan)	1	3	5
Pre-filter cell <G4	6	12	24
Bag filter till F9	6	12	30
Absolute filter till H14	6	12	30
Carbon filter	2	6	10
Evaporative panel coated with cellulose	0	1	2
Evaporative panel coated with PVC	0	1	2
Evaporative panel coated with fiberglass	1	1	1
Motor bearings	1	1	2
fan bearings	1	1	2
Humidification pump	1	1	1
Pressure switch	1	1	1
Pressure indicator	1	1	2

Transport, Installation and Maintenance Manual for Air Handling Units

Remark: the pieces above refer to normal project conditions.

14 – Dismantlement

Attention: the recollect symbol of the different European countries is on the tag of the machines characteristics, indicating that the product should be recollect separately.

This product was conceived to be recollect separately in an appropriate recollection area. Don't treat it as domestic waist.

In the end of its lifecycle, the AHU should be dismantled as the rules in standard.

In the construction of the AHU the following materials were used: galvanized plate and/or plastic coated and/or pre-coated and/or steel; aluminum; copper; polyurethane and/or mineral wool; plastic; PVC.

Besides the structural components an AHU has also electric or electronic components, and so must be taken into consideration the Law-decree 174/2005, considering the electric or electronic equipment waste.

When deactivate the AHU consider the law-decree 174/2005 considering the electric or electronic equipment waste.

Remark: to obtain more information contact the seller or the local authorities responsible for the waste management.

Remark: some technical or commercial considerations can have reflections on the alterations of some dimensions, performance or any other technical aspect of the machine. Sandometal reserves the right to do those alterations without previous notice.

Director-General Health & Social Care and
Chief Executive NHSScotland
Paul Gray



Scottish Government
Riaghaltas na h-Alba
gov.scot

██████████
██████████

NHS Chief Executives

Copy to Directors of Estates

25 January 2019

Dear Colleague

Queen Elizabeth University Hospital – follow up actions

This letter sets out actions following the meeting of the Strategic Facilities Group on Wednesday 23 January. There are a number of controls that I would like you to confirm are in place and working effectively:

- All plant rooms must be secure and have adequate access controls in place at all times;
- All plant rooms maintained clean and free of vermin;
- Standard Operating Procedures for the management of plant rooms are in place and being followed;
- All critical ventilation systems inspected and maintained in line with 'Scottish Health Technical Memorandum 03-01: Ventilation for healthcare premises'.

I have asked Health Facilities Scotland to co-ordinate the responses and would ask that you reply to ██████████ copied to ██████████ by Friday 1 February.

In addition to these control measures, the Strategic Facilities Group has undertaken to share best practice on relevant Standard Operating Procedures and anti-pest management. The Ventilation Group, which reports direct to the Scottish Engineering and Technology Advisory Group (SETAG), is also considering urgently whether SHTM 03-01 needs to be revised and updated in view of recent developments. I will ensure that you are kept in touch with any changes to that.

Yours sincerely

██████████

Paul Gray

190131 IHSL.NHSL PLant Rooms.Ventilation Systems

To: Brian Currie
Lothian Health Board
Waverley Gate
2-4 Waterloo Place
Edinburgh
EH1 3EG

31st January 2019

Dear Sirs,

**"Re-Provision of RHSC and DCN at Little France
Plant Rooms + Ventilation Systems**

Further to your letter dated 28th January 2019 enclosing a letter from the Director - General Health & Social Care and Chief Executive NHSScotland please find our responses on the items listed relative to the construction and operational phases.

All Plant rooms must be secure and have adequate access controls in place at all times

Construction: - All plant rooms are secure with a procedure in place for entry and undertaking works.

Operations: - All plantroom access will be strictly controlled by the Helpdesk and Appointed Person (AP), Competent Person (CP) or Responsible Person (RP) depending on the works to be completed within. The key sets will be strictly managed with Permit to Access / Permit to Work control measures in place.

All plant rooms maintained clean and free of vermin

Construction: - All plant rooms are maintained clean and vermin free

Operations: - All plant rooms will be maintained clean and monitored for vermin activity. Vermin activity will be reported to the Board in line with the FM Service Matrix.

Standard Operating Procedure for the management of plant rooms are in place and being followed

Construction: - Procedures during the construction phase differ from those in the operational phase, however during the construction phase these have been in line with good industry practice.

Operations: - All Standard Operating Procedures for plant room works will be in place and align with the equipment within the locations.

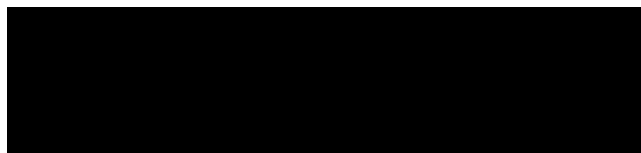
All critical ventilation systems inspected and maintained in line with 'Scottish Health Technical Memorandum 03-01: Ventilation for healthcare premises

Construction: - All ventilation systems have been designed, installed and commissioned in line with SHTM 03-01 as required, systems are maintained in such a manner which allows handover at actual completion to meet SHTM 03/01 standards.

Operations: - All critical ventilation systems will be inspected and maintained in line with 'Scottish Health Technical Memorandum 03-01: Ventilation for healthcare premises.

We confirm the necessary controls are in place and working effectively.

Yours faithfully



Wallace Weir
Project Co Representative

190313 IHSL.LHB Assurance

Brian Currie
Board's Representative
Lothian Health Board
Waverley Gate
2-4 Waterloo Place
Edinburgh EH1 3EG

13th March 2019

Dear Sirs

Re-Provision of RHSC and DCN at Little France Assurance

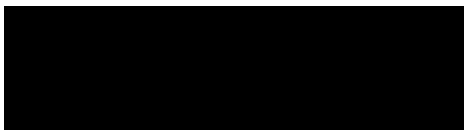
All references in this letter to the "Project Agreement" are references to the Project Agreement entered into between Lothian Health Board (the "Board") and IHS Lothian Limited ("Project Co") dated 12 and 13 February 2015, as amended by an amendment agreement between the Board and Project Co dated 19 December 2018, and a settlement and supplemental agreement between the Board and Project Co dated 22 February 2019 (the "Settlement Agreement").

Further to your letter dated 12 February 2019 requesting our written assurances, we can confirm the following:

1. The engineering systems are designed and have / are being installed and commissioned to meet the relevant Project Agreement standards.
2. The project has been managed on site to procure the safety, quality and compliance of the engineering systems in accordance with the Project Agreement.
3. The engineering systems have been commissioned and validated in accordance with the Project Agreement.
4. Project Co's staff and contractors involved in installing, commissioning and operating the engineering systems are trained and qualified in accordance with the Project Agreement.
5. The engineering systems handed over at the Actual Completion Date were designed and constructed to meet the specified requirements set out in the Project Agreement.
6. The engineering systems will be maintained and operated in accordance with the Project Agreement.
7. The engineering systems are maintainable and have been constructed within the Project Agreement parameters with regard to operating cost, reliability and efficacy.

8. As at the Actual Completion Date, the records of construction and as fitted documents are complete (save for those varied under the Settlement Agreement), and are stored and managed in accordance with the Project Agreement.

Yours faithfully,



Wallace Weir
For and on behalf of IHS Lothian Limited

cc.
LTA - Currie & Brown
IT - Arcadis



**Add value.
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RHSC DCN

Review of Ventilation
Provisions for (B1) PICU and
HDU Departments

July 2019

Issue / Revision Record

Issue	Date	By	Checked	Comment
1	15.07.19	SMcK	BR	Issue 1

WW24i



We aim to be the pre-eminent provider of quality building services solutions and the best to work with, in the view of our clients, partners and colleagues. We believe in a sustainability led approach to design for the benefit of our clients and the world we live in.

It is our ultimate goal to work closely with our fellow professionals and clients to minimise carbon emissions and to deliver a better environment for us all to live in.

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1.0 Introduction

Following a review of the installed ventilation systems of the Hospital NHSL have stated that the design standards for rooms: -

1 – B1 - 009	4 bed
1 – B1 - 019	1 bed
1 – B1 – 020	1 bed
1 – B1 – 021	1 bed
1 – B1 – 031	4 bed
1 – B1 – 037	1 bed
1 – B1 – 063	4 bed
1 – B1 – 065	4 bed
1 – B1 – 076	1 cot

Are not in compliance with SHTM-03-01 specifically Appendix 1 row of table as below.

Application	Ventilation	a/c hour	Pressure	Filter	Noise	Temperature	Comments
Critical care areas	S	10	+10	F7	30	18-25	Isolation Rooms may be -ve press

We have therefore carried out a full review of the standards quoted along with other requirements as briefed.

Section 2 of this report records our findings.

2.0 Review of Relevant Standards

2.1 The Clinical Output Based Specification for B1 Critical Care refers to a number of design guidance documents the ones relating to engineering services being:

HBN 23 – Hospital Accommodation for children and young people

HBN 57 – Now superseded by HBN 04 – 02 Critical Care Units

SHTM 2025 – now superseded by SHTM 03 – 01 – Ventilation for Healthcare premises

SHFN 30 Version 3 – Infection control in the built environment Design & Planning

2.2 Clinical Output Based Specification for B1 Critical Care.

In addition to the referenced document there are notes on Page 14 for “lobbied single bed isolation cubicles”. This is exactly what we have provided.

Single cubicles are also mentioned but with no detailed ventilation requirements, in terms of air changes nor pressure

2.3 HBN – 04 – 02 Critical Care Units

Section 6 of this document explains the requirement for Isolation Rooms however with no particular detail of actual performance criteria, hence our RFI query and accepted guidance (25/09/15 Acconex correspondence MM-RTRFI-000088, see Appendix).

2.4 SHTM – 03 – 01 – Ventilation for Healthcare premises.

Our interpretation of the line being quoted here is that it pertains to Isolation Rooms conditions within the Critical Care Area as referenced by the Isolation Room reference in the Comments Column of Appendix 1 of SHTM 03-01.

Ward Isolation Rooms are referenced in the table as being referenced in SHPN 4 Supplement 1. This document specifically refers to design standards for Isolation Rooms with En-Suite Facilities (see Appendix).

The Isolation Rooms in the PICU and HDU areas do not have En-Suite facilities as such, there is no system performance guidance other than the line referenced in SHTM 03 – 01 which we have utilised for design.

Application	Ventilation	a/c hour	Pressure	Filter	Noise	Temperature	Comments
Critical care areas	S	10	+10	F7	30	18-25	Isolation Rooms may be -ve press

We had also, during the design period, specifically raised this with NHSL, refer to Acconex of 25/09/2015 (see Appendix) who agreed with our approach here.

2.5 SHFN 30 Version 3 – Infection Control in the Built Environment

Whilst this document gives good guidance on general design principles and practices, it doesn't specifically provide technical guidance e.g. air change rates etc. which are referenced to SHTM 2025 (superseded by SHTM 03 – 01).

2.6 Information Exchange during design process

In addition to the specific RFI re isolation rooms as previously noted we would also record that both the single and the 4 room areas have been subject of detailed review involving NHSL

Further the services levels to the rooms in question are all as per the original Client provided Environmental Matrix in terms of supply air changes with no positive pressurisation figure ever being noted.

We carried out various exercises including all parties during the Construction period when Air change rates post FBC were discussed and reviewed. The current design reflects the agreements and directions agreed from these reviews. For example refer to Acconex NHSL-GC-002953 12 April 2018 (see Appendix) where NHSL confirmed which of the 4 bed areas were to be installed to achieve 4 Air Changes, this includes rooms currently under review.

3.0 Implications of Suggested Criteria

At the meeting held on 12th July NHSL confirmed that they wished these areas to be designed to 10A/C and 10 Pa positive pressure in these rooms.

We advised at that time that if this is a definitive instruction then in our opinion extensive alterations not only to the ventilation installation but the building fabric, fittings and layouts would be necessary, including:

- 1) Ventilation distribution and fittings as installed is not suitable for this volume increase – Additional AHU, new ductwork, grillage, pressure currently stabilisers etc. would need to be considered. This would also impact on electrical, heating and cooling distribution systems.
- 2) Ceiling is unsuitable for 10 Pa and would require to be replaced
- 3) Windows – currently openable – are not suitable and would require replacement
- 4) Light fittings also unsuitable for 10 Pa, replacements required
- 5) Existing ceiling track and pendants would require review but possibly as unlikely to be suitable for 10 Pa
- 6) If 10 Pa is to be maintained in the rooms as suggested, to maintain the integrity of pressure this would require pressure loss protection at opening doors. This would normally involve some form of airlock potentially with Interlocking doors.

4.0 Conclusions

From our detailed study of available design guidance we can find no information to support the statement that compliance with SHTM 03-01 requires these room to have 10 Air Change and 10Pa positive pressurisation.

However, if it is NHSL's preference to now modify the design standards. We can of course do this, however if 10 air change is required it will require extensive alterations, replacement and additions to the ventilation systems currently installed.

Should the requirement for the additional pressure also be required then this could result in extensive remodelling of the department as per Section 3 of this report.

5.0 Appendix

The following extracts from relevant guidance documents are included these being:

1. Clinical Output Based Specification for B1 Critical Care – Page 14 & 15
2. Appendix 1 from SHTM 03 – 01
3. SHPN4 Supplement 1 – Page 5 Paragraph 2.5
4. Acconex of 25/09/2015 refers to RFI confirming services required to Isolations Rooms are in accordance with our design.
5. Acconex of 12/04/18 confirms rooms which are required to have 4 Air Changes which is in line with current provisions.

1. Clinical Output Based Specification for B1 Critical Care – Page 14 & 15

2. Appendix 1 from SHTM 03 – 01

3. SHPN4 Supplement 1 – Page 5 Paragraph 2.5

4. Acconex of 25/09/2015 refers to RFI confirming services required to Isolations Rooms are in accordance with our design.

5. Acconex of 12/04/18 confirms rooms which are required to have 4 Air Changes which is in line with current provisions.



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Edinburgh RHSC-DCN

Critical Care Department
Briefing Review

April 2022



Issue / Revision Record

Issue	Date	By	Checked	Comment
1	08.04.22	SMCK	BR	Initial Report

We aim to be the pre-eminent provider of quality building services solutions and the best to work with, in the view of our clients, partners and colleagues. We believe in a sustainability led approach to design for the benefit of our clients and the world we live in.

It is our ultimate goal to work closely with our fellow professionals and clients to minimise carbon emissions and to deliver a better environment for us all to live in.

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1.0 Introduction

This Report examines the Client's briefing for the Critical Care Department at Edinburgh's RHSC-DCN Hospital, with particular regard to Ventilation and Pressurisation conditions. The documents being reviewed comprising the H&K Reference Design Briefing Environmental Matrix and accompanying Guidance notes.

These documents have been reviewed along with any referenced documentation and commentary provided against any additional Ventilation Performance guidance contained within.

2.0 Executive Summary

From our Review of all referenced documents, we have not found any guidance with regards to ventilation rates other than that provided for Neutropenic Patient Ward and Isolation Rooms the latter of which confirms the requirement for pressurised lobbies to +10 Pa and 10 A/C per hour.

We would also advise that the Client NHSL was given numerous opportunities to comment on the bedroom air change rates being provided within this Department and never advised that these should be treated any differently from sleeping accommodation throughout the Hospital at 4 A/C per hour mechanical Supply and notional balanced pressure with no defined or monitored value.

3.0 Briefing Information

3.1 Environmental Matrix Table

Within this Table the Client has briefed 4 A/C per hour Positive pressure but no defined value for PICU 4 Beds with the exception of Single Bed Isolation Cubicle, which is noted as HBN 04 Dependant, Neonatal HDU Single Bed Cubicle 4 A/C per hour.

Throughout this Table only Isolation Cubicles and associated Gowning Lobbies are quoted as HBN 04 dependant.

3.2 Guidance Notes

Within the Guidance Notes clauses Notes 1,15 and 21 make reference to HDU (High Dependency Unit) and PICU (Paediatric Intensive Care Unit) and advise as below:

Note 1. This workbook is prepared for the Reference Design Stage as an easier reference tool to replace ADB RDS M+E sheets for the Environmental Criteria elements as described on these sheets.

Note 15 (part) HDU Bed Areas - Design Criteria - HBN 57 gives specific guidance as well as SHTM 03-01 esp Appendix1 for air changes -10 A/C per hour Supply,18 to 25°C **control Range**

Note 21 Note that Isolation Suite ventilation provisions for this project shall follow HBN 04 Supplement 1 Section 4 Item 4.8 Guidance

4.0 Reference Documents

In carrying out this review we have examined the following referenced Documents, copies of which are attached within the Appendix:

- B1 Critical Care Clinical Output based Specification
- H&K Reference Design Briefing Environmental Matrix as per Contract briefing document with guidance notes
- HBN 04-02 Critical Care Units
- HBN 57 Critical Care (old doc)
- SHPN 04 Supplement Isolation suites
- HTM 2025 (old doc)
- SHTM 03-01 Appendix 1: Table A1
- HBN 04 Supplement 1
- Ward Layout Drawing
- HBN 23 Hospital Accommodation for children and young people (not referenced)

5.0 Commentary

We have noted our comments against each of the referenced Documents below.

Critical Care Clinical Output Specification SEPT 2014

This is the particular Client Department Specification within which the only reference to ventilation is on Page 14 of this document which refers to lobbied Single Bed Isolation Rooms and confirms positive pressure lobbies to be provided.

Reference Data is recorded in Section 1.9 and includes:

HBN 57 Facilities for Critical Care (See Below)
SHTM 2025 Ventilation (See Below)

H&K Reference Design Briefing Environmental Matrix as per Contract briefing document with guidance notes

As per the notes above only Isolation Suites Section 1.8 are referenced differently from other patient accommodation and on the notes we have extracted the references to various Guidance Documentation.

These are HBN 57 (see Below) SHTM 03-01 Table 1 (See Below) and HBN 04 Supplement 1 (see below).

HBN 04-02 Critical Care Units OCT 2014

Section 4 Page 7 Whole unit planning and Design considerations makes passing mention of ventilation but no defined standards.

Section 6 Clinical Spaces Notes 6.1 to 6.9 details Isolation Rooms and their ventilation. There does not appear to be any other reference to ventilation of patient areas with 4.4 repeating the 10 A/C per hour and +10 Pa guidance for the lobby. There does not appear to be any guidance on A/C per hour or pressure for other than the Isolation Rooms.

HBN 57 Critical Care (old doc) 2003

Section 8 Engineering Requirements includes for Ventilation sec 8.42 talks about a balanced Supply and Extract but also refers to each bedroom having a lobby which we would translate as Isolation Facilities see section 8.50.

SHPN 04 Supplement Isolation facilities in Acute Settings Sept 2008

Sec 2.5 defines two Isolation facilities.

Enhanced single room with en-suite facilities.

Enhanced single room with en -suite facilities and ventilated bed access lobby (isolation suite).

Neither of which are applicable as generally the rooms in Critical Care **we are looking at don't have en-suite** facilities. However, ignoring this, the document states that the Enhanced Single Room need only have extract ventilation.

Section 4 Page 15, describes Ventilation for an Isolation Suite.

HTM 2025 (old) 1994

Section 2 refers to Provision of Ventilation in Healthcare Buildings and gives a general description of various ventilation systems.

Section 6 Special Ventilation Systems does not appear to have specific guidance for Critical Care Areas.

SHTM 03-01 Table1

Refers to Critical Care Areas at 10A/C per hour with +10 Pa and has a specific note re Isolation Rooms. Where as Isolation Rooms also on the table are referred to HBN 04-01, see note above where HBN 04-01 refers specifically to Isolation Rooms with en-suites.

SHPN 04 Supplement 1 Isolation Facilities in Acute Settings Sept 2008

Again, this refers to rooms with en-**suite facilities which isn't what we have**, and A/C per hour and pressure are for lobbied Isolation Suites not Bedrooms.

Ward Layout Drawing

This drawing is provided for general guidance to the Department layout.

Health Building Note 23 Hospital Accommodation for Children and young people 2004

Whilst this document **doesn't appear to be referenced in the** H&K Reference Design Briefing Environmental Matrix and cross referencing notes we felt it appropriate to include within this review.

Section 5, page 51 refers to Engineering Services and cross references HBN 57 for Critical Care page 51 and 5.60 page 55 for Isolation rooms.

Again, no other reference appears to be given to bedrooms requiring 10 A/C per hour and +10 Pa pressure.

6.0 Conclusions

From our review of all of the referenced documents we can find no reference to providing 10 A/C per hour and +10 Pa positive pressure for any other area of patient accommodation other than those associated with Isolation Suites and Neutropenic Wards.

We would suggest that if higher Air Change Rates were a Client requirement they were never requested within the briefing documentation.

7.0 Appendices

- B1 Critical Care Clinical Output based Specification
- H&K Reference Design Briefing Environmental Matrix as per Contract briefing document with guidance notes
- HBN 04-02 Critical Care Units
- HBN 57 Critical Care (old doc)
- SHPN 04 Supplement Isolation suites
- HTM 2025 (old doc)
- SHTM 03-01 Appendix 1: Table A1
- HBN 04 Supplement 1
- Ward Layout Drawing
- HBN 23 Hospital Accommodation for children and young people (not referenced)

B1 Critical Care Clinical Output based Specification

H&K Reference Design Briefing Environmental Matrix as per Contract briefing document with guidance notes

HBN 04-02 Critical Care Units

HBN 57 Critical Care (old doc)

SHPN 04 Supplement Isolation suites

HTM 2025 (old doc)

SHTM 03-01 Appendix 1: Table A1

HBN 04 Supplement 1

Ward Layout Drawing

HBN 23 Hospital Accommodation for children and young people (not referenced)



**Add value.
Inspire trust.**

Aberdeen Office
166 Great Western Road
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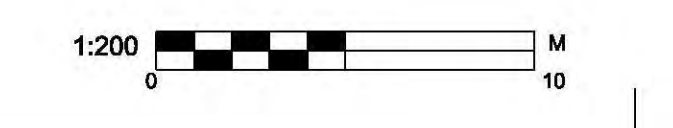




- LEGEND**
- CENTRAL SUPPLY AND EXTRACT
 - CENTRAL SUPPLY AIR
 - CENTRAL GENERAL EXTRACT
 - CENTRAL DIRTY EXTRACT
 - HB4 DEPENDANT
 - IN LINE WITH SHFM 03-01
 - NATURAL VENT



FIRST FLOOR - VENTILATION STRATEGY
Re-provision of RHSC and DCN at Little France
 Commercially in Confidence



Date: 19/11/2013
 Scale: 1:200 @ A0
 Drawing No.:
 Rev: FT
 WW-SZ-01-PL-524-001

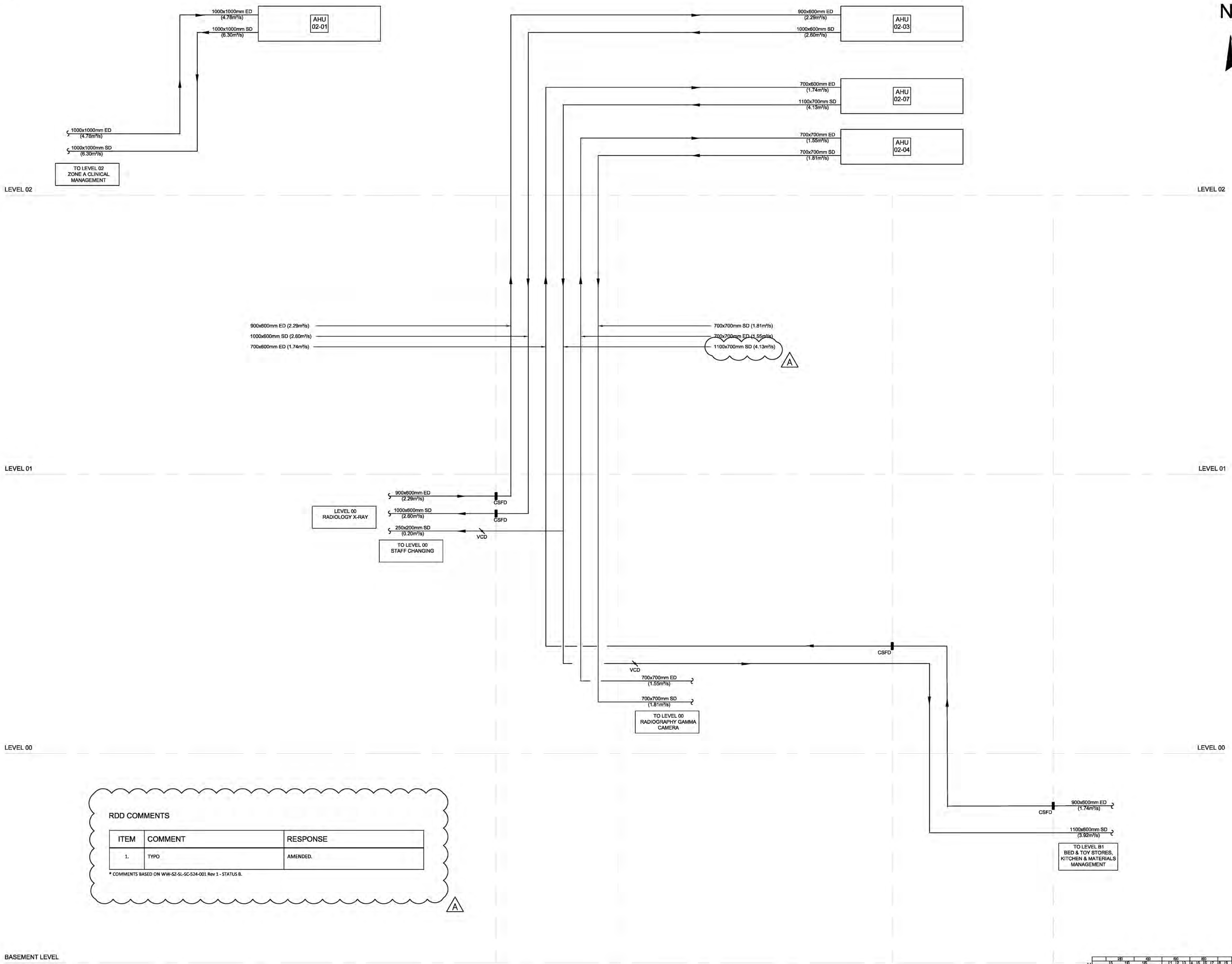


Notes
 Check all dimensions on site. Do not scale from this drawing. Report any discrepancies and omissions to drawing originator. This Drawing is Copyright ©

Page 565

Designer Identification of Hazard Risk

- ⊗ Indicates a Residual Risk requiring a Compulsory Action
- ⊕ Indicates a Residual Risk for information
- ⊖ Indicates a Residual Risk requiring a Prohibitive Action
- ⚠ Indicates a Residual Risk as a Warning



- LEGEND
- SUPPLY DUCT
 - EXTRACT DUCT
 - DIRTY EXTRACT DUCT
 - SD - SUPPLY DUCT
 - ED - EXTRACT DUCT
 - DE - DIRTY EXTRACT DUCT
 - AHU - AIR HANDLING UNIT
 - DEF - DIRTY EXTRACT FAN
 - FD - FIRE DAMPER
 - CSFD - COMBINED SMOKE & FIRE DAMPER
 - VCD - VOLUME CONTROL DAMPER

Rev	Date	Description	By	App'd
A	02/09/2016	ISSUED FOR T3 CONSTRUCTION	JS/DM	BR/AW
1	13/05/2016	ISSUED FOR INFORMATION	LM/DM	BR/AW

Revisions

Project

Re-provision of RHSC and DCN at Little France



Title

ZONE 3 LEVEL 2 PLANTROOM VENTILATION SCHEMATIC SHEET 1

Drawing No.	Revision
WW-SZ-SL-SC-524-001	A

Scale @ A1 Date

N.T.S. @ A1 APRIL 2016

INFORMATION



RDD COMMENTS

ITEM	COMMENT	RESPONSE
1.	TYP0	AMENDED.

* COMMENTS BASED ON WW-SZ-SL-SC-524-001 Rev 1 - STATUS B.

RISER V4
 (REFER TO DRAWING WW-Z3-SL-DT-630-005)

RISER M1
 (REFER TO DRAWING WW-Z3-SL-DT-630-001)

Scale	1:1000	1:500	1:250	1:125
Horizontal	10	20	40	80
Vertical	10	20	40	80

WW-Z4-03-SH-524-005



Schedule of Extract Grilles – Zone 4-2 Level 03

Project No:	G1547
-------------	-------

Project Name:	RHSC & DCN
---------------	------------

Project Stage:	Construction
----------------	--------------

Reference	Room Name	Room No.	Airflow Rate (l/s)	Max Pressure Drop (Pa)	Max Sound Pressure (dB(A))	Extract Grille Model No.
EG01	Ward Management Office	3-C1.1-003	21	15	30	Spigot Connection: 125mmØ
EG02	Hoist Bay	3-C1.1-007	10	15	30	Spigot Connection: 100mmØ
EG03	Sitting Room / Lounge	3-C1.1-008	101	15	30	Spigot Connection: 250mmØ
EG04	Parking Bay	3-D9-021	25	15	30	Spigot Connection: 125mmØ
EG05	Store – General	3-D9-027	16	15	30	Spigot Connection: 100mmØ
EG06	Pantry	3-D9-014	49	15	30	Spigot Connection: 160mmØ
EG07	Ward Management Office	3-D9-015	20	15	30	Spigot Connection: 125mmØ
EG08	Patient Treatment Lounge	3-D9-016	191	15	30	Spigot Connection: 355mmØ
EG09	Consult / Exam	3-D9-011	35	15	30	Spigot Connection: 160mmØ
EG10	Waiting Play Area	3-D9-010	90	15	30	Spigot Connection: 250mmØ

Revision Record:		
Rev	Date	Description
A	20.08.2015	Construction
B	11.11.2015	Construction
C	07.03.2016	Construction
D	22.11.2016	Construction
E	04.09.2017	Construction
F	08.05.2018	Construction
G	22.11.2018	Construction





WW-Z4-03-SH-524-005

Schedule of Extract Grilles – Zone 4-2 Level 03

Project No:	G1547
-------------	-------

Project Name:	RHSC & DCN
---------------	------------

Project Stage:	Construction
----------------	--------------

Reference	Room Name	Room No.	Airflow Rate (l/s)	Max Pressure Drop (Pa)	Max Sound Pressure (dB(A))	Extract Grille Model No.
EG11	Office and Storage 2 Staff	3-D9-007	40	15	30	Spigot Connection: 160mmØ
EG12	Reception	3-D9-003	10	15	30	Spigot Connection: 100mmØ
EG13	Interview / Quiet Room	3-D9-006	40	15	30	Spigot Connection: 160mmØ
EG14	Waiting Room	3-D9-002	90	15	30	Spigot Connection: 250mmØ
EG15	Grab & Go	3-C2-002	Grill Omitted through MVC 044A			
EG16	Seminar Room	3-C2-004	90	15	30	Spigot Connection: 250mmØ
EG17	Seminar Room	3-C2-004	90	15	30	Spigot Connection: 250mmØ
EG18	Staff Room	3-C2-005	149	15	30	Spigot Connection: 300mmØ
EG19	Staff Room	3-C2-005	149	15	30	Spigot Connection: 300mmØ
EG20A	Multi Bed Room	3-D9-022	46	15	30	Spigot Connection: 150mmØ

Revision Record:		
Rev	Date	Description
A	20.08.2015	Construction
B	11.11.2015	Construction
C	07.03.2016	Construction
D	22.11.2016	Construction
E	04.09.2017	Construction
F	08.05.2018	Construction
G	22.11.2018	Construction



WW-Z4-03-SH-524-005



Schedule of Extract Grilles – Zone 4-2 Level 03

Project No:	G1547
-------------	-------

Project Name:	RHSC & DCN
---------------	------------

Project Stage:	Construction
----------------	--------------

Reference	Room Name	Room No.	Airflow Rate (l/s)	Max Pressure Drop (Pa)	Max Sound Pressure (dB(A))	Extract Grille Model No.
EG20B	Multi Bed Room	3-D9-022	46	15	30	Spigot Connection: 150mmØ
EG21	Bay 1 (Beds 10-14)	3-C1.1-046	64	15	30	Spigot Connection: 200mmØ
EG22	Bay 2 (Beds 15-18)	3-C1.1-018	62	15	30	Spigot Connection: 200mmØ
EG23	IPS Room	3-C1.1-002	13	15	30	Spigot Connection: 100mmØ

Notes:

1. Grilles to be manufactured by Solid Air Ltd/ Mr Vent or approved equivalent.
2. Grilles to be selected based on swirl diffuser type unless otherwise noted.
3. Grille surface finish shall be pure white. RAL Colour 9010.
4. Grilles to be provided with side entry lined plenum boxes.
5. Grille selections to take cognisance of ceiling types as per the latest architectural layouts.
6. Final Selections subject to review and confirmation from TUV SUD Wallace Whittle.
7. Text highlighted in red denotes changes made from previous schedule issue.

Revision Record:		
Rev	Date	Description
A	20.08.2015	Construction
B	11.11.2015	Construction
C	07.03.2016	Construction
D	22.11.2016	Construction
E	04.09.2017	Construction
F	08.05.2018	Construction
G	22.11.2018	Construction





Attention:

Lead Document Controller

Project Name: RHSC

Project Address: RHSC & DCN Project Office
Little France Crescent
Edinburgh,
EH16 4TJ,
United Kingdom

Submittal No.: MER-XX-SL-TS-127
Re: AHU 04-07 & AHU 04-09 H8.1
Rev: 1
Date: 03-Mar-17


Dear Sirs,

Please find attached copy of the above mentioned Submittal as per the attached Submittal Form

Please revert with your comments/approval at your earliest convenience

Yours Sincerely,

Gearóid Murray

		MERCURY ENGINEERING		<u>Technical Submittal Form</u>	
Project No.		UK1.0003		Submittal No. MER-XX-SL-TS-127	
Project Title:		RHSC		Category TS	
				Rev: 1	
				Date 03-Mar-17	
Project No:		UK10003		Drawing	
Submittal No:		MER-XX-SL-TS-127		Technical	
Drg/Spec Section:		524- Ventilation			
Description:		AHU 04-07 & AHU 04-09 H8.1		X	
Enclosures	Rev	Description	Remarks		
1	0	Technical submittal comments form			
1	0	Technical submittal appraisal sheet			
1	0	BMCE TS Appraisal Sheet			
1	0	Wallace Whittle AHU Specification			
1	0	AHU Data sheets & Drawings			
1	0	Sandomental CE Certification			
1	0	Eurovent CE Certification			
1	0	AHU O&M			
Comments/Notes					
Issued by:		Gearóid Murray			
Received By:					

Technical Submission Appraisal Sheet



Project:	RHSC & DCN
Contractor:	Mercury Engineering
Date:	03/03/2017
Tech Sub Item:	Air Handling Units- AHU 04-07 & 04-09
Revision:	1
Aconex Ref:	Schedule of Air Handling Unit

Product Data	Description		
Asset Description	Air Handling Units	Yes	No
Compliance Confirmation			If No, please confirm derogation
Asset Type (Generic Type)	Mechanical Services		
Make/Model	eSDM		
HLM Specification			
RBG Specification			
Wallace Whittle Specification	X		
Certificate of Conformity (CE Mark)	X		
SHTM	X		
Energy Characteristics (WW Model)	X		
Sample to be Issued			

Original Equipment Manufacturer	Description
Name	Sandometal
Contact	Jorge Duarte
Address	Estrada Nacional 10, km 127,600 2615-133 Alverca do Ribatejo – Portugal Q-nis: Unit B2, Colchester Business Centre, Wyncolls Road, Severalls Park, CO4 QUT

Sub-Contractors are required to complete the attached template as part of their technical submissions to support asset, lifecycle, risk and facilities management activities.

Sub-Contractors are asked to include performance characteristics and life expectancies for the product / system together with any associated critical components or finishes in compliance with the specification. Life expectancy requirements will be as stipulated in the technical documents. This information is to help inform lifecycle & strategic spare planning. The template also provides a schedule of documentation to be provided with the technical submittal (where applicable), which is intended to support the understanding, operation and maintenance of the premises and, crucially, to allow the client to build appropriate maintenance plans which will support the optimum operation and longevity of the asset. Actual hard data is to be included in the template to facilitate comparison and collation. References to technical brochures or other documents are not acceptable.

Sub-Contractors are required to confirm the warranty or guarantee details supporting their product or system including details of the warrantor or party underwriting the warranty. Bouygues E&S FM UK Limited will require to be named as the principal benefactor of the warranty / guarantee.

Finally, where appropriate, the Sub-Contractor shall include a budget price for carrying out the first year's maintenance and include details of the scope of that service together with the number of visits proposed within the first year.

Warranty Terms	Description
----------------	-------------

Warranty Start Date	From PC
Warranty Expiry Date	1 Year from PC
Warrantor	Sandomental

Documentation to be Provided - Where Applicable	Comments
Maintenance Requirements & Frequencies	Technical Selection
Requirements for Statutory Inspection & Testing	As per O&M attached
Calibration Requirements & Tools & Frequency	As per O&M attached
Software (Future proofed/ non-closed protocol)	Open Protocol
Whole Life Performance Chart- Characteristic Curves	N/A
Lifting requirements	As per O&M attached
Technical Brochures-Documents	AHU Selection

Critical Components	Type	Service Life (Yrs)	Comments
Fans	Ziehl Abegg Plug fans		As per Technical information attached
Coils	Heating/cooling		As per Technical information attached
Thermal wheel	Rotary wheel		As per Technical information attached

Fuel Consumption	Rate	Example
Maximum Current Consumption	As per technical Sheet	Electricity (Kw)
Power Input - P1	As per technical Sheet	Gas (L/s)
		water (L/s)

Optimum Performance Benchmark	Output	Example
See AHU selections as attached	Will vary on AHU performance	Electrical Output (W)
See AHU selections as attached	Will vary on AHU performance	Air Flow Rate (Ltrs/s)
See AHU selections as attached	Will vary on AHU performance	Water Flow rate (Ltrs/s)
See AHU selections as attached	Will vary on AHU performance	Inlet Temperature (deg. C)
See AHU selections as attached	Will vary on AHU performance	Outlet Temperature (deg.C)
See AHU selections as attached	Will vary on AHU performance	Working pressure
See AHU selections as attached	Will vary on AHU performance	Maximum Power Output
See AHU selections as attached	Will vary on AHU performance	Working Head
See AHU selections as attached	Will vary on AHU performance	Heating Output
See AHU selections as attached	Will vary on AHU performance	Cooling Output
See AHU selections as attached	Will vary on AHU performance	Operating Speed

Safety Limits	Description	Examples
Liquid Temperature Range		Maximum Temperature
Maximum operating Pressure		Maximum Pressure
Maximum Flow Rate		
Maximum Head		

Fuel Requirements	Description	Examples
		Fuel Type
		Ignition Type
		Storage Type

Refrigerant Requirements	Description	Examples
		Refrigerant Type
		Refrigerant Class

Energy Efficiency	Description	Examples
	See AHU selections as attached	Coefficient of Performance
	See AHU selections as attached	Energy Efficiency rating
	See AHU selections as attached	Heat Transfer Coefficient
	See AHU selections as attached	Thermal Efficiency

Product Life Cycle (Years)	25 years
-----------------------------------	----------

First Year's Maintenance

Maintenance	Value
Price P.A	N/A. If required
No of Visits P.A	
Scope of Service	

Represents the price offered by Supplier at time of purchase, end user and supplier to negotiate and agree final price.

U81 AIR HANDLING UNITS**PRODUCTS**

Packaged supply and extract air handling plants shall be provided as defined in the schedules of equipment and as indicated on the drawings, or as defined further in this specification.

The air handling unit and fan supplier shall select the internal components of the plants, such that the overall system resistance does not result in system fan power being excessive.

Project Co. shall obtain from his proposed supplier calculations to demonstrate that the Building Regulation requirements for Specific Fan Power, etc are being met along with his technical submission.

All items of the AHU plant and system controls must be capable of being fully interrogated by the building management system through the independent network protocol.

310 AIR HANDLING UNITS

The supply and extract air handling plant shall in all respects comply and align with the requirements and recommendation detailed within the Health Technical Memoranda, in particular SHTM03-01 and 08-01, except where specifically noted within this specification.

The AHU shall be arranged so that the majority of items are under positive pressure. Any item of plant requiring a drain shall be on the positive pressure side of the fan.

AHU Plants shall be of a rigid, air tight, assembly and constructed in unitary form or consist of standard modular components, assembled to ensure even airflow throughout plant with no by-passing of active components. Sealing strips shall be provided between all component parts. Factory joints shall be fully tightened and all necessary sealing strips, nuts, bolts and washers etc. being provided for site made joints. The units shall be suitable for operating against closed dampers, i.e.no flow conditions during normal and fire operation. Panels penetrated by service pipes, electrical cables etc. shall be sealed together with all joints having an air leakage integrity at design pressure which is not less than the integrity of the associated ductwork systems.

The units shall incorporate gradual change section pieces between sections to minimise pressure drops, with spacing of components to manufacturer's recommendations to ensure satisfactory operation at each stage and allow access for inspection, cleaning and maintenance. The inside surfaces shall have smooth and easy clean finishes free from structural projection. The location of fan motor, fan belts, filters etc. shall be as detailed in the schedules and on the drawings.

All modular constructed plants shall be provided with purpose made base frames. Bases shall be of sufficient height to accommodate drainage traps from dehumidifiers, humidifiers etc. All plants shall be provided with sufficient access panels/doors and viewing windows to allow maintenance and repairs to be carried out. Coils used in air-handling units shall be rated in accordance with EN 1216. On larger plants, split/multiple coils shall be used.

Construction shall be such as to withstand maximum fan static pressure without deformation and with panel deflection of not more than 1/120 of maximum panel dimension under operating conditions.

Energy recovery shall be via a plate heat exchanger or thermal wheel (fitted with a purge sector), depending on the type of unit. Cleaning access shall be required to both sides of any energy-recovery device.

Where units incorporate recuperators or cooling coils, the internal surfaces of the units liable to be affected by any free water produced shall be protected by anti-corrosion paint (white). Such units shall have adequate drain trays to collect water; the drain trays shall be extended, or other means of collection shall be provided to ensure the removal of any water deposited or condensed in adjacent sections.

Trays collecting cooled water shall be insulated to prevent condensation on the outer surface. All the surfaces/features shall be suitable to withstand regular cleaning with a water solution containing 5ppm chlorine, such as 316 stainless steel. Internal sloping surfaces for humidifier and cooling coil sections to fall to drain. All drains shall be provided with glass U-traps suitable to withstand twice the negative/positive pressure produced by the fan and have a screwed access for cleaning and filling as indicated in TM13 (Minimising the risk of Legionnaire's disease) and as further defined in Department of Health Guidance Notes. Certified type test performance certificates shall be issued on completion of plant testing for fans, coils, filters and electric motors etc. Fire rating type test certificates shall be provided for filters. Individual pressure testing certificates shall be provided for coils. Specific fan performance curves shall be provided and these are to relate to the unit ESP with clean filters.

All wiring from fans is to be taken through the unit casing and a 2 metre tail left for connecting to inverters supplied by the controls specialist

Viewing ports and internal illumination shall be fitted to facilitate routine inspection of the AHU. Viewing ports should be at a convenient height so that temporary ladders are not required. Internal illumination should be provided by fittings to at least IP55 rating. Fittings shall be positioned so that they provide both illumination for inspection and task lighting. All of the lights in a unit shall be operated by a single switch.

320 AIR CONTROL DAMPERS

Motorised low leakage shut off dampers shall be located immediately behind the intake and discharge of each supply and extract system respectively. They shall be of the opposed blade type, opening through a full 90° and must close automatically in the event of power failure or plant shutdown to prevent any reversal of the system airflow.

A manually operated isolating damper should be installed between the main AHU and its distribution system to enable the unit to be isolated when cleaning is in progress.

- Function: Shut off.
 - Damper position: Dampers are to be rigid, with square connections fitted with end and edge seals of a flexible material and with minimal play in linkages. The leakage on shut-off should be less than 2%.
- Damper control: Motorized.
- Type: Multi-blade damper, opposed blade.
- Material: Manufacturer's standard.
- Ancillaries Locking device and Position indicator.

330 FILTERS

Filters shall be securely housed and sealed in well-fitting frames that minimise air by pass.

Mounting frames shall be designed so that the air flow pushes the filter into its housing to help minimise air bypass. Mounting frames shall be capable of being withdrawn so that the filter can be changed without having to reach into the unit.

Neither the filter media, nor any material used in the construction of the filters, shall be capable of sustaining combustion

All filters sections shall be provided with direct reading dial type gauges marked with clean and dirty sectors to visually show filter status.

A complete spare set of filters shall be provided at handover. Filter grades to be as schedule.

Refer to section U83.

340 HEAT RECOVERY

Heat recovery shall be provided to air handling units and be of the type as indicated on the schedules.

Refer to section U85.

350 HUMIDIFIERS

Space for future installation of packaged steam humidifiers shall be provided to air handling units as indicated on the schedules.

Space shall be included within Operating Theatre air handling units for the provision of humidification in the future.

Refer to section U86.

360 PREHEATERS

Duties as schedule.

Frost coils shall be plain tube without fins, where practical. Where this is not practical coils with fins at 6mm spacing shall be used.

Refer to section U84.

370 COOLING COILS

Duties as schedule.

Refer to section U84.

380 REHEATER

Duties as schedule.

Refer to Section U84.

390 FANS

Fans shall be selected to limit the total system (supply and extract fans) specific fan power, as described in the 'Non-Domestic Heating, Cooling and Ventilation Compliance Guide – Section 10. External system resistances for air handling units and fans are given in the schedule.

Fans shall be centrifugal fans with backward curved aerofoil blades, and give an efficiency of not less than 78%.

Fans shall be positioned to 'blow through' the central plant so that the cooling coil and humidifier drains shall be under positive pressure.

Where a centrifugal fan is located with an open intake, the clear distance between the suction opening and the nearest wall should be not less than half the diameter of the inlet. If two fans with free inlets are positioned within the same chamber, their adjacent suction openings should be at least 1 diameter apart.

Fan/s and drive/s shall be provided with mounting frames and isolation mountings.

Motors shall be located externally. On externally driven fans, drive connection or belts shall be provided with airtight seals to prevent leakage. Externally driven fans shall have suitable anti-vibration mountings and frame with flexible connections to the fan sections of the unit. Fan-drive trains, whether supply or extract, should be easily visible without the need to remove access covers.

Fan drives shall be protected by a mesh guard.

All fans shall be controlled by inverter speed control drives supplied by the controls specialist.

Fans shall be capable of being direct start with fixed speed and manual operation in the event of a computer control system failure or software fault.

Particularly attention shall be given to critical care systems serving operating suites, high dependency care units of any type, isolation facilities, laboratories and pharmaceutical production suites in this regard.

- Performance: In accordance with BS 6583.
- Type of fan: Centrifugal.
- Motor mounting: The fan motor shall be external to the air stream.
- Blow through units: Arrange section to allow uniform velocity profile downstream.

Refer to Section U82.

405 ATTENUATOR

Where attenuators are located within the air handling unit they shall be the same cross sectional area as the AHU and have diffusion plenums as necessary.

Cleaning access should be provided at both ends of any attenuator unit.

Attenuators shall meet SHTM03-01 and this specification.

The splitters shall be fitted with 0.8mm mild steel galvanised bull nosed entries and exits to reduce pressure drop.

Normally the attenuators shall be installed with the splitters in the vertical plane. However in some circumstances, i.e. close to a vertical bend it may be necessary to install with splitters horizontally. In those circumstances the splitters shall be suitably stiffened to prevent flexing and restriction of the airway.

Refer to section U87.

FABRICATION

Project Co. shall submit details of all mechanical equipment for comment and place orders in a timely fashion to ensure delivery as per programme

Project Co. shall protect the AHU's from damage or interference during the works.

The AHU's shall be blanked off when delivered to site to prevent dust entering the AHU.

Project Co. shall include for the services of the manufacturer's skilled services engineers to start up, test and check all the AHU's and controls. This shall include all tests to prove that all the AHU equipment is working with and responding to the clients BMS network and head end. The units when commissioned shall be "Set Up" to give maximum efficiency. The AHU's shall be witnessed by the Board before the plant shall be accepted from . Project Co. shall allow for instruction of the clients representative on the working of the equipment.

510 AIR HANDLING UNIT CASING CONSTRUCTION

Supply air handling plants shall be of a packaged construction with a double skin casing, complete with thermal/acoustic insulation material between the two skins. Units shall house filters, coils, fans and motorised inlet dampers, etc. Heat recovery devices shall also be incorporated as detailed in the AHU schedule.

Vibration isolation shall be provided in the form of spring anti-vibration mountings located under fan and motor bases with flexible connections from the fan discharge and the adjoining ductwork.

- Standard: To BS EN 1886.
- Details: is to submit shop drawings and details of dimensions and weight for review.
- Thermal performance of casing, to form part of the technical submission.
- Acoustic insulation of casing: To form part of the technical submission.
- Fire protection: To form part of the technical submission.
- Material: To form part of the technical submission.
 - Finish: To form part of the technical submission.
- Air handling unit feet: Base to suit AHU and depth of drain and pipe fall.
- is to allow space to integrate the BMS controls into each air handling unit, to serve that respective AHU, and liaise with the BMS Specialist to integrate this.

520 AIR HANDLING UNIT ACCESS

- General: Provide access openings and covers complete, including opening devices.
- Seal: To prevent excessive air leakage.
- Seal durability: For normal maintenance operations over at least 10 years.
- Access type: Access doors/hatches as appropriate and where indicated on the drawings or called for in SHTMs, shall be provided complete with handles, locks, keys and latches to the same standards of construction and finish of unit.

Where the unit is large enough for a maintenance engineer to enter the unit, facilities for local maintenance isolation of equipment and opening the doors from the inside shall be provided.

The doors should be large enough e.g. 500mm minimum to allow easy access. Items requiring infrequent access such as attenuators may be via bolted on, lift off panels All doors/panels shall be provided with seals to prevent air leakage.

Access shall be provided as a minimum to fan chamber, dampers, filters, humidifiers and both sides of heating and cooling coils.

Internal lights and double glazed viewing windows shall be provided into fan chambers, either sides of coils, humidifier sections and where indicated on the drawings. Fittings within the unit shall be to IP55 standard and be operated from a single switch. Additionally, the cladding shall be capable of being easily removed as is necessary to obtain access for necessary inspection and maintenance and also for removal of large items of equipment.

All necessary items shall be assembled by means of nuts, bolts, anti-vibration lock washers equal and approved quick release fastenings. Access doors on isolation suite extract shall have biohazard label affixed.

EXECUTION

610 COMPONENT ASSEMBLY

- Sealing: Provide gaskets between air handling unit sections to prevent air leakage from casing.
- Site drilling of air handling unit: Not permitted.

620A ACCESS

- Access space: Position air handling units to allow space for maintenance and access.

Access for servicing shall be as manufacture recommendations and drawings.

As a minimum Project Co. shall allow the width of the AHU for withdrawing the coils.

630 COIL INSTALLATION GENERALLY

- Venting and draining: Set out pipeline to and from the coils to allow venting and draining of the coils and piping.
- Support: Do not support pipeline and valves on coil connections.
- Access: Allow space to inspect and maintain the coils on both sides.

640 HOT WATER COILS INSTALLATION

- Expansion: Connect pipeline to allow free expansion of headers and tubes.

650A DRAIN LINES INSTALLATION

- All items of plant that could produce moisture must be provided with a drainage system.

The system shall comprise a drip tray, glass trap, air break and associated drainage pipework. All parts of the drainage system must comply with SHTM 03-01.

The drip-tray should be constructed of stainless steel, and be so arranged that it shall completely drain. To prevent 'pooling', it is essential that the drain connection should not have an up-stand; and that a slope of 1 in 20 in all directions should be incorporated to the drain outlet position. The tray must be completely accessible or, for smaller units, easily removable for inspection and cleaning.

Where traps are fitted to plant located outside or in unheated plant rooms trace heating shall be required. The trace heating must not raise the temperature of the water in the trap above 5°C.

660 SERVICES CONNECTIONS

- Entry points: Seal around electrical cable and pipeline entry points to prevent air leakage.
- Flexible cables: Provide between fan motor and local isolator.

670 ISOLATION OF AIR HANDLING UNITS

- Electrical connections: Provide means of isolating air handling units electrically.
- Pipe connections: Provide means of isolating pipelines to air handling units.
- Steam: Provide means of isolating steam to humidifier when access door is opened.

680 SUPPORT FOR AIR HANDLING UNITS

- Method: Purpose made raised frame, with sufficient clearance for drains and traps.

COMPLETION

During the flushing of the pipework system the AHU coil must be by passed or disconnected.

Under no circumstances shall flush though the coils

The units shall be supplied initially with one complete set of spare filters and a further set is to be offered for handover to the client at the end of the contract. This set should be carefully packed and labelled for each plant and filter type.

Alongside each filter gauge a permanent label is required with the following information:-

- Type (pre, bag, final etc.)
- Grade
- Size
- Clean PD (at full speed)
- Dirty PD (at full speed)

910 PRE-COMMISSIONING OF COILS

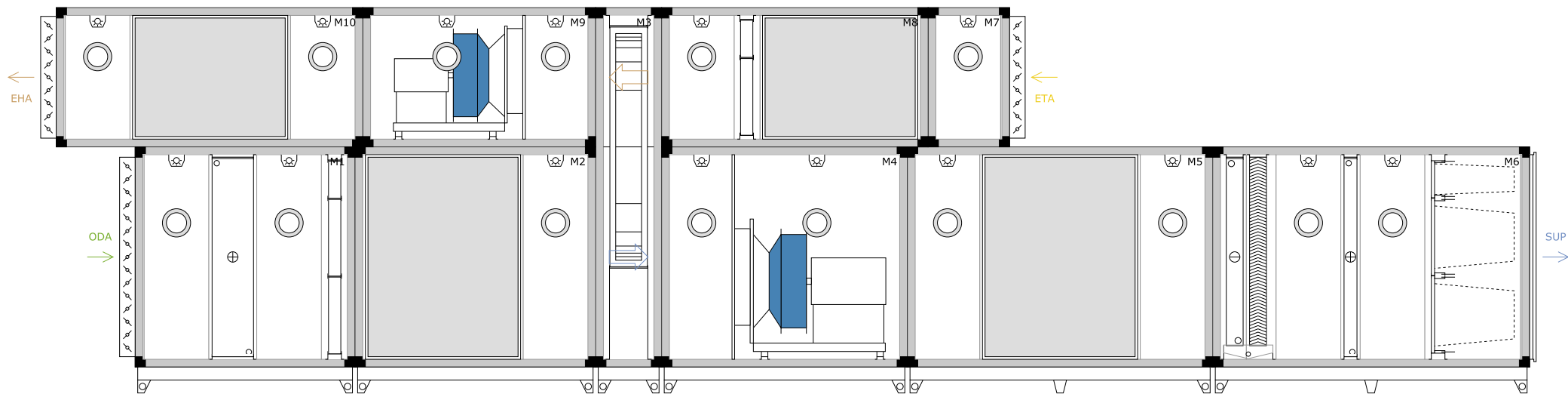
- Preparation:
 - Remove protective covering.
 - Check frost protection and drain if heat is not available in freezing conditions.
 - Straighten fins.
- Cleaning and chemical treatment: Use chemicals compatible with the materials in the coils.


920 AIR LEAKAGE TESTING

- Testing: In accordance with HEVAC Guide to air handling unit leakage testing.

930 TESTING

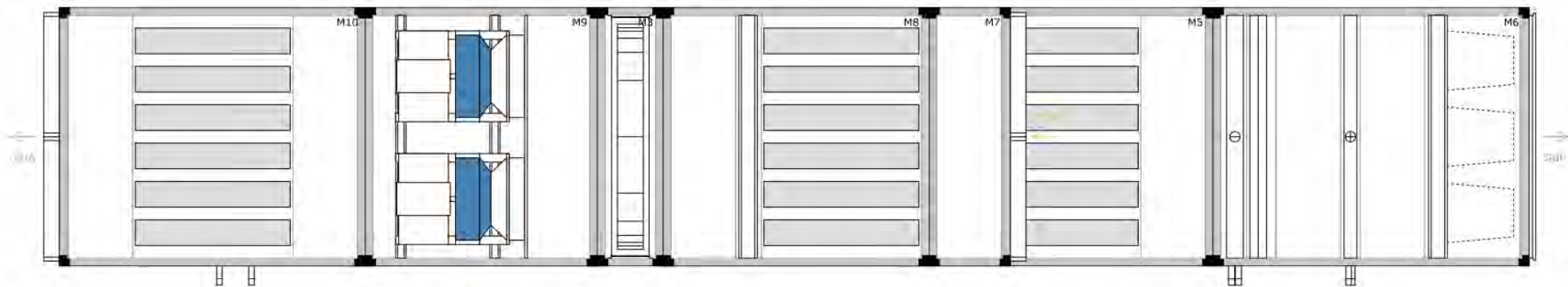
- Test location: On site before incorporation in works. (Selected factory testing/inspection may be carried out)
- Test results: Submit.




Side View		
	TITLE:	Air Handling Unit AHU 04-07
	SCALE:	W/S
	MODEL:	eSDM 4/5
	WORK NUMBER:	02013-870
WORK/LOCATION:		RHSC and DCN / Edinburgh

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



Top View		
	TITLE:	Air Handling Unit AHU 04-07
	SCALE:	W/S
	MODEL:	eSDM 4/5
	WORK NUMBER:	02013-870
WORK/LOCATION:		RHSC and DCN / Edinburgh

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

Unit Dimensions (W × H × L)	2005 × 2975 × 11560	mm
Unit Weight (empty coils)	4537.9	kg (± 5%)
Unit Weight (with coils fully liquid loaded)	4669.5	kg (± 5%)

Classification of Unit - EN 1886:2007

Mechanical Stability	D1 (R)
Air leakage with -400 Pa	L1 (R)
Air Leakage with +700 Pa	L1 (R)
Filter Bypass Leakage	F9 (R)
Thermal Transmittance	T2 (M)
Thermal Bridging	TB2 (M)

	125	250	500	1k	2k	4k	8k	Hz
Acoustic Insulation (Dp)	5	7	8	10	12	15	22	dB (M)

EUROVENT Data

Designed for wet conditions	
Design Outdoor Temperature for Winter	-10.00 °C
Velocity in AHU cross section	1.75 m/s
Air Velocity Class (EN 13053:2006)	Class V2
Fan power input for Supply fan	1 X 9.36 kW
Fan power input for Extract fan	1 X 1.395 kW
Recovery Efficiency	68.5 %
(balanced air flows - EUROVENT RS 6/C/005-2016)	



Module Dimensions

	Dimensions (W × H × L)	Weight
Module 1	2005 × 1700 × 1700 mm	521.4 kg
Module 2	2005 × 1700 × 1860 mm	473.7 kg
Module 3	2005 × 2775 × 510 mm	484.7 kg
Module 4	2005 × 1700 × 1900 mm	602.6 kg



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

	Dimensions (W × H × L)	Weight
Module 5	2005 × 1700 × 2360 mm	541.6 kg
Module 6	2005 × 1700 × 2450 mm	663.3 kg
Module 7	2005 × 1075 × 630 mm	102.6 kg
Module 8	2005 × 1075 × 2060 mm	393.8 kg
Module 9	2005 × 1075 × 1800 mm	341.9 kg
Module 10	2005 × 1075 × 2370 mm	412.4 kg

Noise levels

Sound power level	63	125	250	500	1k	2k	4k	8k	Hz	Total	
Supply air	71	62	57	52	32	9	18	20	dB	53	dB(A)
Outdoor air	59	62	54	47	33	14	23	27	dB	50	dB(A)
Sound break out Supply	81	85	81	83	79	75	67	57	dB	84	dB(A)
Exhaust air	61	52	50	48	29	8	17	26	dB	47	dB(A)
Extract air	55	45	41	36	17	0	5	13	dB	37	dB(A)
Sound break out Extract	72	69	65	69	62	55	45	35	dB	68	dB(A)
Sound break out	81	85	81	84	79	75	67	57	dB	84	dB(A)



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

General Data

Inspection side	Right
Connections side	Right
Insulation Thickness	50 mm
Profile	Aluminium Thermal Break 60 mm
Insulation	Rockwool
External Material	Aluzinc
Internal Material	Aluzinc

	Supply	Extract
Air flow (1.204 kg/m³)	5.20 m ³ /s	1.94 m ³ /s
Face velocity (unit)	1.75 m/s	1.08 m/s
External Pressure	600 Pa	250 Pa
Filter	G4, F7	G4
Twin Fan	76.5 %	74.3 %
	1082 Pa	416 Pa
	1432 RPM	922 RPM
Motor	2×18.5 kW	2×7.5 kW
	3~ 400/400 V	3~ 400/400 V
	1×34.74 A	1×14.79 A

SFP_v, (Clean load condition - EN 13779:2007)	1957 W/(m ³ /s)
SFP_E, (Design load condition - EN 13779:2007)	2068 W/(m ³ /s)
Heat Recovery	35.8 %

Heating	94.85 kW - Air -10.00/5.00 °C - Water 80.00/60.00 °C - 17.180 kPa - 4183.030 l/h
Pipe Connections	1 1/4" / 1 1/4"
Cooling	62.3 kW - Air 26.00/18.00 °C - Water 6.00/12.00 °C - 24.930 kPa - 8924.040 l/h
Pipe Connections	1 1/2" / 1 1/2"
Heating	82.33 kW - Air 5.00/18.00 °C - Water 80.00/60.00 °C - 18.670 kPa - 3631.030 l/h
Pipe Connections	1 1/4" / 1 1/4"



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

Supply Line Sections

1 Admission

Pressure Drop	4	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	4	Pa
Accessories	Manual Lever	

2 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



3 Coil

Heating

	Cu--FeZn P3012LAC 9R-46T-1695A 21C 1 1/4"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop	27.9	Pa
Air temperature before/after	-10.00/5.00	°C
Air relative humidity before/after	100.0/32.3	%
Capacity	94.85	kW
Interior Length	1695	mm
Interior Height	1380	mm
Air velocity (finned area)	2.00	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	4183.030	l/h
Fluid pressure drop	17.1800	kPa
Fluid velocity	0.51	m/s
Coil volume	0.088700	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	9.0	
Kvs (1.3 x Kv)	12.98	m ³ /h

4 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



5 Filter

Dimensioning pressure drop	54	Pa
Initial pressure drop/Final pressure	35 / 72.0	Pa
Velocity, face area	2.03	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	6 × [592×592] + 3 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class (acc. to EUROVENT 4/11)	N/A	

Accessories Differential Pressure Switch

6 Sound Attenuator

Pressure Drop								11	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material								Standard	
Configuration								100/200	
Baffle Length								1200	mm

7 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray Lighting Inspection Visor	



8 Heat Exchanger

Product Code

ST1-SL-W-1750-CS-200

Rotary, Condensation

		Supply	Extraction	
WINTER	Pressure Drop	198.0	74.0	Pa
	Air Temperature (Entry/Exit)	5.00/10.37	20.00/5.68	°C
	Relative Humidity (Entry/Exit)	32.3/22.4	50.0/97.5	%
	Capacity	44.898		kW
	Temperature efficiency	35.8	95.5	%
	Condensates	0.000		l/h
SUMMER	Pressure Drop	198.0	74.0	Pa
	Air Temperature (Entry/Exit)	26.00/23.82	20.00/25.82	°C
	Relative Humidity (Entry/Exit)	52.0/59.2	50.0/35.2	%
	Capacity	14.397		kW
	Temperature efficiency	36.31	96.93	%
	Condensates	0.000		l/h
	Rotor Drive		None	

9 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



10 Twin Fan

The fan system effect is taken into account in the fan performances.

Direct Drive		
Impeller Type	ER71C-4DN.L7.1R	
Number Of Fans	2	
k-factor	490.0	
Air Flow	5.20	m ³ /s
Dynamic Pressure	83	Pa
Fan Static Pressure	1082	Pa
Internal Static Pressure	482	Pa
External Pressure	600	Pa
Total Pressure	1165	Pa
Fan Speed	1432	RPM
Total Efficiency Impeller	77	%
Fan ErP Class	2015 w/ freq. conv.	
<small>(Directive 2009/125/CE, Regulation UE 327/2011)</small>		
SFP	1800	W/(m ³ /s)
Absorbed Power	7.919	kW
Maximum Fan Speed	1850	RPM
Nominal Frequency	50.0	Hz
Operation Frequency	48.71	Hz
Max. Operating Frequency	63.0	Hz
Accessories	Frequency Inverter	
	Flexible Connector	
	Lighting	
	Inspection Visor	
Motor		
Motor Technology	AC - ZAmotbasic IE2	
Insulation Class	Thermistor, Thermal Class 155	
Ingress Protection	IP55	
Frame	180/IMB 3	
Nominal Power	18.5	kW
Speed Nominal	1470	RPM
Nominal Current	34.74	A
Voltage	3~400	V



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

Consumed Power

9.36 kW

(calculated considering frequency inverter)

11 Empty Section

Pressure Drop

3 Pa

Length

500 mm

Condensates Tray

Accessories

Lighting

Inspection Visor

12 Sound Attenuator

Pressure Drop

11 Pa

63 125 250 500 1k 2k 4k 8k Hz

Sound attenuation

9 20 21 28 42 58 42 28 dB

Cleaning of the material

Standard

Configuration

100/200

Baffle Length

1200 mm

13 Empty Section

Pressure Drop

3 Pa

Length

500 mm

Condensates Tray

Accessories

Lighting

Inspection Visor



14 Coil

Cooling

	Cu-CuSn-Inox304 P3012AR 3R-46T-1690A-3.0pa 23C 1 1/2"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop (Wet)	52.5	Pa
Pressure Drop (Dry)	31.3	Pa
Air temperature before/after	26.00/18.00	°C
Air relative humidity before/after	52.0/79.7	%
Total cooling capacity	62.3	kW
Sensible heat ratio	0.82	
Finned Length	1690	mm
Finned Height	1380	mm
Air velocity (finned area)	2.31	m/s
Condensate	15.000	l/h
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	6.00/12.00	°C
Fluid flow rate	8924.040	l/h
Fluid pressure drop	24.9300	kPa
Fluid velocity	0.99	m/s
Coil volume	0.033100	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	3.0	
Fin material	CU_SN	
Fin spacing	3	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	23.23	m ³ /h

15 Droplet Separator

Material	PP	
Model	PSG33	
Pressure Drop	12	Pa
Length	230	mm



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Pos: AHU 04-07



Group: Construction-Rev

16 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



17 Coil

Heating

Cu-Cu-FeZn P60AC 1R-23T-1695A-2.5pa 4C 1 1/4" R


Selection Criteria	Air Outlet Temperature	
Pressure Drop	10.5	Pa
Air temperature before/after	5.00/18.00	°C
Air relative humidity before/after	50.0/21.0	%
Capacity	82.33	kW
Finned Length	1695	mm
Finned Height	1380	mm
Air velocity (finned area)	2.10	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	3631.030	l/h
Fluid pressure drop	18.6700	kPa
Fluid velocity	1.31	m/s
Coil volume	0.012000	m ³
Connections side	Right	
Tube (Cu)	0.4	mm
No. of rows	1.0	
Fin material	CU	
Fin spacing	2.5	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	10.81	m ³ /h

18 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



19 Filter

Dimensioning pressure drop	73	Pa
Initial pressure drop/Final pressure	48 / 98.0	Pa
Velocity, face area	1.98	m/s
Filter class (EN 779:2012)	F7	
Filter Type	Bag	
Filter Size	6 × [592×592] + 3 × [287 × 592]	mm
Filter Energy Efficiency Class (acc. to EUROVENT 4/11)		

Accessories

Differential Pressure Switch

20 Supply

Pressure Drop	0	Pa
Length	10	mm
Air Interfaces		
Connection Flange		
Pressure Drop	0	Pa
Length	50	mm



Extract Line Sections

21 Extraction

Pressure Drop	0	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	0	Pa
Accessories	Manual Lever	

22 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray Lighting Inspection Visor	

23 Sound Attenuator

Pressure Drop									4	Pa
	63	125	250	500	1k	2k	4k	8k		Hz
Sound attenuation	9	20	21	28	42	58	42	28		dB
Cleaning of the material									Standard	
Configuration									100/200	
Baffle Length									1200	mm



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Project: RHSC and DCN
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Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

24 Filter

Dimensioning pressure drop	67	Pa
Initial pressure drop/Final pressure	14 / 120.0	Pa
Velocity, face area	1.24	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	3 × [592×592] + 3 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class <small>(acc. to EUROVENT 4/11)</small>	N/A	

Accessories Differential Pressure Switch

25 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Lighting	
	Inspection Visor	

26 Heat Exchanger

The data for this section is displayed on the Supply line

27 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



28 Twin Fan

The fan system effect is taken into account in the fan performances.

Direct Drive			
Impeller Type		ER63C-4DN.H7.CR	
Number Of Fans		2	
k-factor		381.0	
Air Flow		1.94	m ³ /s
Dynamic Pressure		16	Pa
Fan Static Pressure		416	Pa
Internal Static Pressure		166	Pa
External Pressure		250	Pa
Total Pressure		432	Pa
Fan Speed		922	RPM
Total Efficiency Impeller		74	%
Fan ErP Class		2015 w/ freq. conv.	
<small>(Directive 2009/125/CE, Regulation UE 327/2011)</small>			
SFP		718	W/(m ³ /s)
Absorbed Power		1.129	kW
Maximum Fan Speed		1750	RPM
Nominal Frequency		50.0	Hz
Operation Frequency		31.68	Hz
Max. Operating Frequency		60.0	Hz
Accessories		Frequency Inverter	
		Flexible Connector	
		Lighting	
		Inspection Visor	
Motor			
Motor Technology		AC - Zamotbasic IE2	
Insulation Class		Thermistor, Thermal Class 155	
Ingress Protection		IP55	
Frame		132/IMB 3	
Nominal Power		7.5	kW
Speed Nominal		1455	RPM
Nominal Current		14.79	A
Voltage		3~400	V



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 4/5
Pos: AHU 04-07



Group: Construction-Rev

Consumed Power

1.395 kW

(calculated considering frequency inverter)

29 Empty Section

Pressure Drop

3 Pa

Length

500 mm

Accessories

Condensates Tray

Lighting

Inspection Visor

30 Sound Attenuator

Pressure Drop

4 Pa

	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB

Sound attenuation

Cleaning of the material

Configuration

Baffle Length

Standard

100/200

1200 mm

31 Empty Section

Pressure Drop

3 Pa

Length

500 mm

Accessories

Condensates Tray

Lighting

Inspection Visor

32 Exhaustion

Pressure Drop

2 Pa

Length

10 mm

Air Interfaces

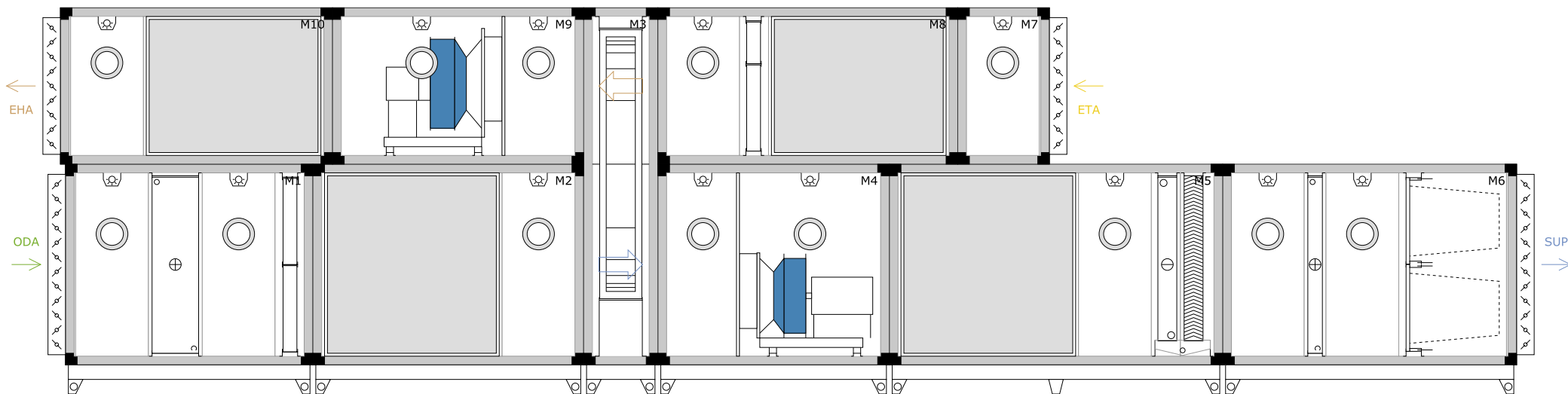
External Damper


Pressure Drop

2 Pa

Accessories

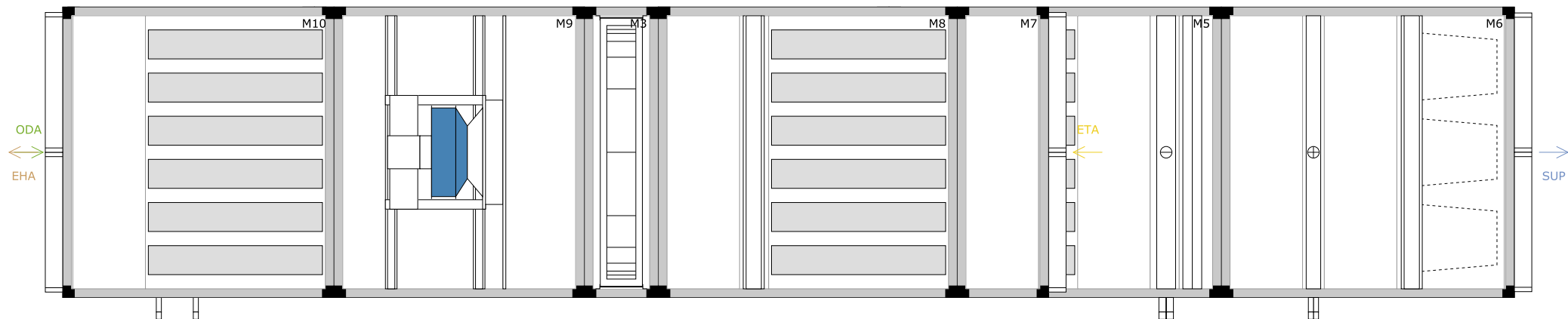
Manual Lever




Side View		
	TITLE:	Air Handling Unit AHU 04-09
	SCALE:	W/S
	MODEL:	eSDM 3/5
WORK/LOCATION:	RHSC and DCN / Edinburgh	
WORK NUMBER:	02013-870	

Aluminium Thermal Break 60 mm
A47224882

Aluzinc / Aluzinc



Top View		
	TITLE:	Air Handling Unit AHU 04-09
	SCALE:	W/S
	MODEL:	eSDM 3/5
WORK/LOCATION:		RHSC and DCN / Edinburgh
WORK NUMBER:		02013-870

Aluminium Thermal Break 60 mm
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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

Unit Dimensions (W × H × L)	2005 × 2655 × 10245	mm
Unit Weight (empty coils)	3902.8	kg (± 5%)
Unit Weight (with coils fully liquid loaded)	4004.8	kg (± 5%)

Classification of Unit - EN 1886:2007

Mechanical Stability	D1 (R)
Air leakage with -400 Pa	L1 (R)
Air Leakage with +700 Pa	L1 (R)
Filter Bypass Leakage	F9 (R)
Thermal Transmittance	T2 (M)
Thermal Bridging	TB2 (M)

	125	250	500	1k	2k	4k	8k	Hz
Acoustic Insulation (Dp)	5	7	8	10	12	15	22	dB (M)

EUROVENT Data

Designed for wet conditions	
Design Outdoor Temperature for Winter	-10.00 °C
Velocity in AHU cross section	1.64 m/s
Air Velocity Class (EN 13053:2006)	Class V2
Fan power input for Supply fan	2 X 3.124 kW
Fan power input for Extract fan	1 X 1.721 kW
Recovery Efficiency	69.9 %

(balanced air flows - EUROVENT RS 6/C/005-2016)



Module Dimensions

	Dimensions (W × H × L)	Weight
Module 1	2005 × 1380 × 1700 mm	447.9 kg
Module 2	2005 × 1380 × 1860 mm	415.2 kg
Module 3	2005 × 2455 × 510 mm	434.8 kg
Module 4	2005 × 1380 × 1590 mm	444.9 kg



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

	Dimensions (W × H × L)	Weight
Module 5	2005 × 1380 × 2290 mm	628.7 kg
Module 6	2005 × 1380 × 2020 mm	390.3 kg
Module 7	2005 × 1075 × 630 mm	102.6 kg
Module 8	2005 × 1075 × 2060 mm	393.8 kg
Module 9	2005 × 1075 × 1725 mm	282.9 kg
Module 10	2005 × 1075 × 1870 mm	361.7 kg

Noise levels

Sound power level	63	125	250	500	1k	2k	4k	8k	Hz	Total
Supply air	69	58	58	46	29	4	14	15	dB	51 dB(A)
Outdoor air	59	52	55	43	26	8	18	20	dB	47 dB(A)
Sound break out Supply	79	79	82	78	76	70	63	51	dB	80 dB(A)
Exhaust air	62	63	58	51	34	13	27	38	dB	53 dB(A)
Extract air	57	55	50	40	20	1	14	22	dB	44 dB(A)
Sound break out Extract	73	79	74	72	66	60	56	45	dB	73 dB(A)
Sound break out	80	82	83	79	76	70	64	52	dB	81 dB(A)



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Project: RHSC and DCN
Installation Place: Edinburgh
Work Number: O2013-870
Model: eSDM 3/5
Pos: AHU 04-09



Group: Construction-Rev

General Data

Inspection side	Right
Connections side	Right
Insulation Thickness	50 mm
Profile	Aluminium Thermal Break 60 mm
Insulation	Rockwool
External Material	Aluzinc
Internal Material	Aluzinc

	Supply	Extract
Air flow (1.204 kg/m³)	3.89 m ³ /s	2.61 m ³ /s
Face velocity (unit)	1.64 m/s	1.45 m/s
External Pressure	600 Pa	250 Pa
Filter	G4, F7	G4
Fan	74.9 %	67.3 %
	981 Pa	398 Pa
	1762 RPM	1241 RPM
Motor	2×7.5 kW	1×5 kW
	3~ 400/400 V	3~ 380/480 V
	2×14.79 A	1×8.00 A

SFP_v, (Clean load condition - EN 13779:2007)	1961 W/(m ³ /s)
SFP_E, (Design load condition - EN 13779:2007)	2049 W/(m ³ /s)
Heat Recovery	57.3 %

Heating 70.94 kW - Air -10.00/5.00 °C - Water 80.00/60.00 °C - 19.300 kPa - 3128.640 l/h
Pipe Connections 1" / 1"

Cooling 46.77 kW - Air 26.00/18.00 °C - Water 6.00/12.00 °C - 20.540 kPa - 6699.610 l/h
Pipe Connections 1 1/2" / 1 1/2"

Heating 61.58 kW - Air 5.00/18.00 °C - Water 80.00/60.00 °C - 20.540 kPa - 2715.760 l/h
Pipe Connections 1" / 1"



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Group: Construction-Rev

Supply Line Sections

1 Admission

Pressure Drop	3	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	3	Pa
Accessories	Manual Lever	

2 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



3 Coil

Heating

	Cu--FeZn P3012LAC 9R-36T-1705A 15C 1"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop	25.5	Pa
Air temperature before/after	-10.00/5.00	°C
Air relative humidity before/after	100.0/32.3	%
Capacity	70.94	kW
Interior Length	1705	mm
Interior Height	1080	mm
Air velocity (finned area)	1.90	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	3128.640	l/h
Fluid pressure drop	19.3000	kPa
Fluid velocity	0.53	m/s
Coil volume	0.069000	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	9.0	
Kvs (1.3 x Kv)	9.16	m ³ /h

4 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



5 Filter

Dimensioning pressure drop	46	Pa
Initial pressure drop/Final pressure	31 / 62.0	Pa
Velocity, face area	1.89	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	6 × [592×592] + 0 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class (acc. to EUROVENT 4/11)	N/A	

Accessories Differential Pressure Switch

6 Sound Attenuator

Pressure Drop								10	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material								Standard	
Configuration								100/200	
Baffle Length								1200	mm

7 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



8 Heat Exchanger

Product Code **ST1-N-W-1750-CS-200**

Rotary, Condensation

		Supply	Extraction	
WINTER	Pressure Drop	126.0	82.0	Pa
	Air Temperature (Entry/Exit)	5.00/13.59	20.00/7.32	°C
	Relative Humidity (Entry/Exit)	32.3/18.2	50.0/99.4	%
	Capacity	48.060		kW
	Temperature efficiency	57.3	84.6	%
	Condensates	0.000		l/h
SUMMER	Pressure Drop	126.0	82.0	Pa
	Air Temperature (Entry/Exit)	26.00/22.50	20.00/25.16	°C
	Relative Humidity (Entry/Exit)	52.0/64.1	50.0/36.6	%
	Capacity	16.854		kW
	Temperature efficiency	58.28	86.05	%
	Condensates	0.000		l/h
	Rotor Drive		None	

9 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



10 Fan

The fan system effect is taken into account in the fan performances.

Direct Drive			
Impeller Type		ER50C-4DN.H7.CR	
Number Of Fans		2	
k-factor		252.0	
Air Flow		3.89	m ³ /s
Dynamic Pressure		39	Pa
Fan Static Pressure		981	Pa
Internal Static Pressure		381	Pa
External Pressure		600	Pa
Total Pressure		1020	Pa
Fan Speed		1762	RPM
Total Efficiency Impeller		75	%
Fan ErP Class		2015 w/ freq. conv.	
<small>(Directive 2009/125/CE, Regulation UE 327/2011)</small>			
SFP		1606	W/(m ³ /s)
Absorbed Power		2.648	kW
Maximum Fan Speed		2470	RPM
Nominal Frequency		50.0	Hz
Operation Frequency		60.55	Hz
Max. Operating Frequency		85.0	Hz
Accessories		Frequency Inverter	
		Flexible Connector	
		Lighting	
		Inspection Visor	
Motor			
Motor Technology		AC - Zamotbasic IE2	
Insulation Class		Thermistor, Thermal Class 155	
Ingress Protection		IP55	
Frame		132/IMB 3	
Nominal Power		2×7.5	kW
Speed Nominal		1455	RPM
Nominal Current		2×14.79	A
Voltage		3~400	V



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Group: Construction-Rev

Consumed Power 2x3.124 kW

(calculated considering frequency inverter)

11 Sound Attenuator

Pressure Drop								9	Pa
	63	125	250	500	1k	2k	4k	8k	Hz
Sound attenuation	9	20	21	28	42	58	42	28	dB
Cleaning of the material	Standard								
Configuration	100/200								
Baffle Length	1200								mm

12 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray Lighting Inspection Visor	



13 Coil

Cooling

	Cu-CuSn-Inox304 P3012AR 3R-36T-1690A-3.0pa 18C 1 1/2"	R
Selection Criteria	Air Outlet Temperature	
Pressure Drop (Wet)	48.8	Pa
Pressure Drop (Dry)	28.9	Pa
Air temperature before/after	26.00/18.00	°C
Air relative humidity before/after	52.0/79.6	%
Total cooling capacity	46.77	kW
Sensible heat ratio	0.81	
Finned Length	1690	mm
Finned Height	1080	mm
Air velocity (finned area)	2.21	m/s
Condensate	12.000	l/h
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	6.00/12.00	°C
Fluid flow rate	6699.610	l/h
Fluid pressure drop	20.5400	kPa
Fluid velocity	0.95	m/s
Coil volume	0.026000	m ³
Connections side	Right	
Tube (Cu)	0.35	mm
No. of rows	3.0	
Fin material	CU_SN	
Fin spacing	3	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	19.21	m ³ /h

14 Droplet Separator

Material	PP	
Model	PSG33	
Pressure Drop	11	Pa
Length	230	mm



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Group: Construction-Rev

15 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



16 Coil

Heating

Cu-Cu-FeZn P60AC 1R-18T-1705A-2.5pa 4C 1" R

Selection Criteria	Air Outlet Temperature	
Pressure Drop	9.7	Pa
Air temperature before/after	5.00/18.00	°C
Air relative humidity before/after	50.0/21.0	%
Capacity	61.58	kW
Finned Length	1705	mm
Finned Height	1080	mm
Air velocity (finned area)	2.01	m/s
Fluid type	Water	
Glycol Percentage	0.0	%
Fluid temperature inlet/outlet	80.00/60.00	°C
Fluid flow rate	2715.760	l/h
Fluid pressure drop	20.5400	kPa
Fluid velocity	0.98	m/s
Coil volume	0.008700	m ³
Connections side	Right	
Tube (Cu)	0.4	mm
No. of rows	1.0	
Fin material	CU	
Fin spacing	2.5	mm
Fin thickness	0.1	mm
Kvs (1.3 x Kv)	7.71	m ³ /h

17 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	




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Group: Construction-Rev

18 Filter

Dimensioning pressure drop	66	Pa
Initial pressure drop/Final pressure	44 / 88.0	Pa
Velocity, face area	1.84	m/s
Filter class (EN 779:2012)	F7	
Filter Type	Bag	
Filter Size	6 × [592×592] + 0 × [287 × 592]	mm
Filter Energy Efficiency Class (acc. to EUROVENT 4/11)		

Accessories Differential Pressure Switch

19 Supply

Pressure Drop	1	Pa
Length	10	mm
Air Interfaces		
External Damper		
Pressure Drop	1	Pa
Accessories	Manual Lever	



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Group: Construction-Rev

Extract Line Sections

20 Extraction

Pressure Drop	0	Pa
Length	10	mm

Air Interfaces

External Damper

Pressure Drop	0	Pa
Accessories	Manual Lever	

21 Empty Section

Pressure Drop	3	Pa
Length	500	mm

Accessories

Condensates Tray
Lighting
Inspection Visor

22 Sound Attenuator

Pressure Drop									7	Pa
	63	125	250	500	1k	2k	4k	8k		Hz
Sound attenuation	9	20	21	28	42	58	42	28		dB
Cleaning of the material									Standard	
Configuration									100/200	
Baffle Length									1200	mm



23 Filter

Dimensioning pressure drop	36	Pa
Initial pressure drop/Final pressure	24 / 48.0	Pa
Velocity, face area	1.67	m/s
Filter class (EN 779:2012)	G4	
Filter Type	Pleated	
Filter Size	3 × [592×592] + 3 × [287 × 592]	mm
Filter Thickness	95	mm
Filter Energy Efficiency Class (acc. to EUROVENT 4/11)	N/A	

Accessories Differential Pressure Switch

24 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Lighting	
	Inspection Visor	

25 Heat Exchanger

The data for this section is displayed on the Supply line

26 Empty Section

Pressure Drop	3	Pa
Length	500	mm
Accessories	Condensates Tray	
	Lighting	
	Inspection Visor	



27 Fan

The fan system effect is taken into account in the fan performances.

Direct Drive		
Impeller Type	ER56C-ZID.GL.CR	
Number Of Fans	1	
k-factor	308.0	
Air Flow	2.61	m ³ /s
Dynamic Pressure	46	Pa
Fan Static Pressure	398	Pa
Internal Static Pressure	148	Pa
External Pressure	250	Pa
Total Pressure	444	Pa
Fan Speed	1241	RPM
Total Efficiency Impeller (incl. motor and inverter)	67	%
Fan ErP Class (Directive 2009/125/CE, Regulation UE 327/2011)	2015	
SFP	659	W/(m ³ /s)
Maximum Fan Speed	1750	RPM
Operation Frequency	50	Hz
Max. Operating Frequency	50	Hz
Accessories	Flexible Connector	
	Lighting	
	Inspection Visor	

Motor

Motor Technology	EC	
Insulation Class	Thermistor, Thermal Class 155	
Nominal Power	5	kW
Speed Nominal	1750	RPM
Nominal Current	8.00	A
Voltage	3~380/480	V
Consumed Power	1.721	kW



28 Sound Attenuator

	Pressure Drop								8	Pa
	63	125	250	500	1k	2k	4k	8k	Hz	
Sound attenuation	9	20	21	28	42	58	42	28	dB	
Cleaning of the material									Standard	
Configuration									100/200	
Baffle Length									1200	mm

29 Empty Section

Pressure Drop								3	Pa
Length								500	mm
Accessories								Condensates Tray	
								Lighting	
								Inspection Visor	

30 Exhaustion

Pressure Drop								3	Pa
Length								10	mm
Air Interfaces									
External Damper									
Pressure Drop								3	Pa
Accessories								Manual Lever	

WW-XX-04-SH-524-007



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Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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AHU Ref:	AHU 04-07	
Drawing Ref:	WW-Z3-04-PL-520-001	
Location:	Zone 2 Level 04 Ventilation Plantroom 3	
Areas Served:	Zone 3 Level 03 - Neuroscience (C1.3), Haematology/ Oncology Inpatients & Daycases (C1.4), Med/ Surg/ Neuro/ Haemo Shared Support (C1.5), Paediatric Neurophysiology (C1.7), Special Feeds Unit (C3), Shelled Space (U1)	
Manufacturer:	TBC	
Supply Section Components:	Inlet	c/w motorised damper. Include actuation.
	Access	Base panels suitable for internal access.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.
	LTHW Frost Coil	Air On/ Off: -10°C/ 5°C Duty: To be provided by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Panel Filter:	G4 filter fitted with external manometer.
	Rotary Thermal Wheel	Winter – On/ Off Coil Temperatures: 5°C/ TBC Summer – On/ Off Coil Temperatures: 26°C/ TBC Minimum Efficiency: 65% Variable speed controlled Include purge section

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

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Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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	Supply Fan	<p>Design duty: 5.201m³/s against 600 Pa external static pressure Future expansion/ isolation maintenance facility (+20%): 6.241m³/s – fan to be sized to meet this increased duty.</p> <p>Run & Standby Plug Fans to be included in line with SHTM 03-01/ SHPN 04 – Supplement 1. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.</p>
	Attenuator	<p>Integrated within AHU. Length: 1200mm</p>
	Access	<p>Base panels suitable for internal access Internal bulkhead light wired to switch View glass</p>
	CHW Cooling Coil	<p>Air On/ Off: 26°C/ 18°C Duty: To be provide by manufacturer CHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer</p>
	Access	<p>Base panels suitable for internal access Internal bulkhead light wired to switch View glass</p>
	LTHW Heating Coil	<p>Air On/ Off: TBC°C/ 18°C Duty: To be provide by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer</p>
	Access	<p>Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.</p>
	Bag Filter	<p>F7 filter fitted with external manometer.</p>
	Outlet	<p>c/w combined smoke and fire damper (CSFD). Include actuation.</p>

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

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Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Extract Section Components:	Inlet	c/w motorised damper. Include actuation.								
	Access	Base panels suitable for internal access.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass								
	Panel Filter	G4 filter fitted with external manometer.								
	Extract Fan	<p>Design duty: 1.943m³/s against 250 Pa external static pressure Future expansion: 2.523m³/s – fan to be sized to meet this increased duty.</p> <p>Run & Standby Plug Fans to be included in line with SHTM 03-01/ SHPN 04 – Supplement 1. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.</p>								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access.								
	Outlet	c/w motorised damper. Include actuation.								
Weight:	To be provide by manufacturer									
Induct Sound Power Levels dB re 1pW (to be provided by Manufacturer)		63	125	250	500	1k	2k	4k	8k	dB(A) @ 3m
	Breakout									TBC
	Intake									
	Supply									
	Extract									
Discharge										

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

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Schedule of Air Handling Unit 04-07

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Notes:

- The schedule has been produced from the available data and will be reviewed and updated as necessary as the T3 drawings are available.
- Units to be in compliance with the requirements of SHTM 03 including access sections and lights pre-wired to external isolator, inverter driven fans, etc.
- LTHW temperatures to heating coils shall be Flow 80°C/ 60°C Return. CHW temperatures to heating coils shall be Flow 6°C/ 12°C Return. Uplift from heating recovery to be taken into account for coil sizing.
- Ductwork installation to comply with DW144. Bends and tees to be provided with turning vanes. Ductwork connecting to the main runs shall be via shoe branches.
- AHU to be suitable for internal plantroom installation and double stacked.
- AHU Manufacturer to include for:-
 - Suitably sized glass traps
 - Bolting together of inspection/ validation of units on site.
- AHU's to be provided with the following:-
 - Casing Strength 2A
 - Thermal Bridging TB2
 - Air Leakage Class B
 - Motor Class EFF1
- Specific fan power (SFP) to be in compliance with the Building Regulations: Section 6.6.
- During the periods that AHU 04-07 requires to be switched off for general maintenance the following procedures shall be introduced to allow the supply ventilation system to the isolation suites to continue to operate under these circumstances;
 - AHU 04-07 follows procedures to switch off for maintenance with the CSFD on the AHU supply outlet closing.
 - 3 no. addressable combined smoke and fire dampers (CSFD's) close on the AHU general ductwork to direct supply air to the AHU 04-07 isolation rooms only.
 - The motorised damper situated on the maintenance/ by-pass branch opens to link AHU 04-07 with AHU 04-06 supply ductwork.
 - AHU 04-06 goes into 'Maintenance Mode' with the supply fan increasing in duty (+20% based on clean filters) to accommodate the additional supply duty required to serve the AHU 04-07 isolation rooms.
 - The combination of existing constant volume dampers (CVD's) to general areas & constant volume boxes (CVB's) to isolation rooms will operate as normal - maintaining the regulation of air flow rates to their respective departments/areas.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	01.06.2016	Construction
E	23.02.2017	Construction

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Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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AHU Ref:	AHU 04-09	
Drawing Ref:	WW-Z3-04-PL-520-001	
Location:	Zone 2 Level 04 Ventilation Plantroom 3	
Areas Served:	Zone 4 Level 04 - Classrooms (C5) & Clinical/ Management Suite (R1), Restaurant (S7)	
Manufacturer:	TBC	
Supply Section Components:	Inlet	c/w motorised damper. Include actuation.
	Access	Base panels suitable for internal access.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access. Internal bulkhead light wired to switch. View glass.
	LTHW Frost Coil	Air On/ Off: -10°C/ 5°C Duty: To be provide by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Panel Filter:	G4 filter fitted with external manometer.
	Rotary Thermal Wheel	Winter – On/ Off Coil Temperatures: 5°C/ TBC Summer – On/ Off Coil Temperatures: 26°C/ TBC Minimum Efficiency: 65% Variable speed controlled Include purge section

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

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Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Extract Section Components:	Supply Fan	Design Duty: 3.894m ³ /s against 600Pa external static pressure Future expansion/ isolation maintenance facility (+30%): 5.062m ³ /s - Fan to be sized to meet this increased duty. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.
	Attenuator	Integrated within AHU. Length: 1200mm
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	CHW Cooling Coil	Air On/ Off: 26°C/ 18°C Duty: To be provide by manufacturer CHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	LTHW Heating Coil	Air On/ Off: TBC°C/ 18°C Duty: To be provided by manufacturer LTHW Flow rate: To be provided by manufacturer Connection Size: To be provided by manufacturer
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass
	Bag Filter	F7 filter fitted with external manometer.
	Outlet	c/w motorised damper. Include actuation.
Inlet	c/w motorised damper. Include actuation.	

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

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Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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	Access	Base panels suitable for internal access.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access Internal bulkhead light wired to switch View glass								
	Panel Filter	G4 filter fitted with external manometer.								
	Extract Fan	Design Duty: 2.608m ³ /s against 250 Pa external static pressure Future Expansion: 3.390m ³ /s - Fan to be sized to meet this increased duty. Fitted with inverter speed control Electrical Supply: 415V/ 3ph/ 50Hz Power: To be provided by manufacturer FLC: To be provided by manufacturer SC: To be provided by manufacturer Internal bulkhead light wired to switch. View glass.								
	Attenuator	Integrated within AHU. Length: 1200mm								
	Access	Base panels suitable for internal access.								
	Outlet	c/w motorised damper. Include actuation.								
Weight:	To be provide by manufacturer									
Induct Sound Power Levels dB re 1pW (to be provided by Manufacturer)		63	125	250	500	1k	2k	4k	8k	dB(A) @ 3m
	Breakout									TBC
	Intake									
	Supply									
	Extract									
Discharge										

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

A47224882



WW-XX-04-SH-524-009



Wallace Whittle

Schedule of Air Handling Unit 04-09

Project No:	G1547	Project Name:	RHSC &DCN	Project Stage:	Construction
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Notes:

1. The schedule has been produced from the available data and will be reviewed and updated as necessary as the T3 drawings are available.
2. Units to be in compliance with the requirements of SHTM 03 including access sections and lights pre-wired to external isolator, inverter driven fans, etc.
3. LTHW temperatures to heating coils shall be Flow 80°C/ 60°C Return. CHW temperatures to heating coils shall be Flow 6°C/ 12°C Return. Uplift from heating recovery to be taken into account for coil sizing.
4. Ductwork installation to comply with DW144. Bends and tees to be provided with turning vanes. Ductwork connecting to the main runs shall be via shoe branches.
5. AHU to be suitable for internal plantroom installation and double stacked.
6. AHU Manufacturer to include for:-
 - Suitably sized glass traps
 - Bolting together of inspection/ validation of units on site.
7. AHU's to be provided with the following:-
 - Casing Strength 2A
 - Thermal Bridging TB2
 - Air Leakage Class B
 - Motor Class EFF1
8. Specific fan power (SFP) to be in compliance with the Building Regulations: Section 6.6.
9. During the periods that AHU 04-08 requires to be switched off for general maintenance the following procedures shall be introduced to allow the supply ventilation system to the isolation suites to continue to operate under these circumstances.
 1. AHU 04-08 follows procedures to switch off for maintenance with the CSFD on the AHU supply outlet closing.
 2. 10 no. addressable combined smoke and fire dampers (CSFD's) close on the AHU general ductwork to direct supply air to the AHU 04-08 isolation rooms only.
 3. The motorised damper situated on the maintenance/ by-pass branch opens to link AHU 04-08 with AHU 04-09 supply ductwork.
 4. AHU 04-09 goes into 'Maintenance Mode' with the supply fan increasing in duty (+30% based on clean filters) to accommodate the additional supply duty required to serve the AHU 04-08 isolation rooms.
 5. The combination of existing constant volume dampers (CVD's) to general areas & constant volume boxes (CVB's) to isolation rooms continue to regulate air flow rates to their respective departments/areas.

Revision Record:		
Rev	Date	Description
A	10.08.2015	Construction
B	10.02.2016	Construction
C	09.05.2016	Construction
D	23.02.2017	Construction

A47224882





sandometal[®]
Metalomecânica e Ar Condicionado, SA

MANUFACTURER STATEMENT
(Directive 2006/42/CE, Attachment II, Chapter A)



Manufacturer: SANDOMETAL – Metalomecânica e Ar Condicionado, S.A.
Address: Estrada Nacional 10, km127,6 – 2615-133 Alverca do Ribatejo – Portugal

Hereby declares that:
Air Handling Unit
Brand: SANDOMETAL
Model:
Serial Number:

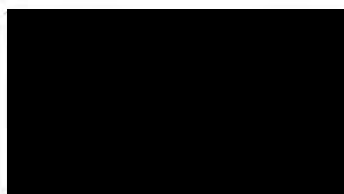
Complies with transposition of Directive 2006/42/EC into national law that is directly enforceable;
Complies with the stipulation of the following EC directives:
Electromagnetic Compatibility (EMC) Legislation, Directive 2004/108/EC
And that:

- Were observed the following parts/paragraphs of the harmonized standards
EN 60204-1:2005
EN ISO 13857:2008
- Were used the following parts and paragraphs of the harmonized standards
EN ISO 12100-1:2003
EN ISO 12100-2:2003
EN ISO 13857:2008

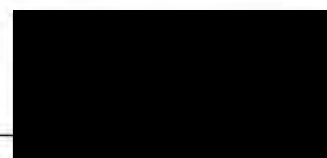
It was excluded from the scope of this statement the electrical power connections that is not manufactured or supplied by Sandometal. The same should be installed in accordance with the specifications stated in the Installation Manual

The Technical File is available for inspection at the Sandometal Head Quarters

Date: 19th November 2015



Director da Qualidade
(Hugo Alves)



Director Técnico
(Rui Santos)

Certification Diploma N° : 09.11.368

Eurovent Certita Certification certifies that

Air Handling Units

from

SANDOMETAL Metalomecanica e Ar Condicionado, SA

Located at

Estrada Nacional 10, km 127,6
2615-133 Alverca do Ribatejo, Portugal

Range

eSDM

Software for calculation of performances

SAHS 1.11.0.407

Trade name

SANDOMETAL

have been assessed according the requirements of following standard

OM-5-2015

The list of certified products is displayed at :

<http://www.eurovent-certification.com>

Manufacturing places

Castanheira do Ribatejo, Portugal

SANDOMETAL Metalomecanica e Ar Condicionado, SA

is authorised to use the EUROVENT CERTIFIED PERFORMANCE mark

in accordance with the rules specified in the Operational Manual

OM-5-2015

Erick MELQUIOND

President



A47224882

Approval date : 2009/11/18

Re-checked on : 2015/09/22

Valid until : 2016/03/31

Transport, Installation and Maintenance Manual



Sandometal

Metalomecânica e Ar Condicionado, S.A.

Transport, Installation and Maintenance Manual for Air Handling Units

1 – Generalities

This manual contains all information requires for the correct transport, installation and maintenance of the Air Treatment Units Sandometal, further on mentioned as AHU. This manual and all information available from the suppliers of the various components, which is attached and an integral part of the manual, is all the information needed so that the specialized technicians can properly develop their functions.

On the outside of each motor is attached a plate containing the machine's characteristics. It only contains essential data such as serial number, AHU code, electric data and so on. Any additional information can be found in the documents available. If you need additional information or something isn't very clear, please contact Sandometal.

All AHU as well the line of components were manufactured according to the most rigorous processes of production, quality systems and quality guarantee. The project, tests, production and control is set considering the CE standards, and in particular regulations in force. All materials and components used in the AHU respect the same regulations.

These are high quality AHUs. If you follow the instructions carefully and strictly, the AHU can provide you economic flawless service for many years.

Read the instruction closely and review them before handling the AHU. Your AHU may not contain some detailed characteristics in this manual. Please contact Sandometal to get specific information concerning your AHU. In the manual you can find references to some components that are not applicable to your AHU.

You should consider the following instructions to assure a correct and safe installation, use and maintenance of the AHU. It is strongly recommended that all warnings and cautions described in the manual and in the AHU are respected. The non-fulfillment of these instructions can nullity the guaranty.

Remark: Sandometal will not be responsible for any modification such as alterations in any kind of accessory or modifications made to make possible the functioning of the AHU, by deleting security elements provided by the original manufacturers, done by the installer, user or other entity or person.

Transport, Installation and Maintenance Manual for Air Handling Units

Remark: Sandometal will decline responsibility for any damage or loss of profit than can result from utilization or any kind of derangement.

1.1 - Definitions

Installer – person or entity that makes the installation.

User – user is the person, entity or company that acquires or rents the AHU and that intends to use it for the purposes for which the AHU was designed for.

Installation technician – the physical person authorized by the installer to do the installation and do the first AHU start in the predetermined conditions. This person has specific formation and is qualified to do every installation work of the AHU in safety. This person is licensed to identify all riskiness resulting from the installation of the AHU.

Maintenance technicians – physical person that does the AHU maintenance; this means the person that keeps the AHU in good working conditions during the AHU lifetime. This person has specific formation and so he is qualified to realize every maintenance work necessary and is able to identify all risks evolving this task, and can avoid them.

Manufacturer – Sandometal SA

Supplier – any entity that provided an element integrated in the AHU

Installation – any action taken by the installer to put the AHU functioning in the provided conditions. The installation of the AHU should not be mistaken with the global HVAC system.

IAQ – Interior air quality

2 - Safety Considerations

The AHU (air treatment units) are complex machinery. Considering this, the installation and maintenance should have a special attention and the installation and use should only be performed by technicians (specialized in installation and maintenance – as described in the definition section) and familiar with the rules and national laws of security.

Be sure that the operators of the machine transporters have a valid driver's license

Attention: Sandometal will not be responsible for the nonfulfilment of the security rules. Sandometal declines any responsibility for damages caused by the misuse of AHU.

- The specialized technician should always wear adequate security clothes as for example: gloves, glasses, helmet, etc., as it is stipulated by the decree law 374/98 (CEE rule 686/89 modified by the rule 93/68/CEE; 93/95/CEE and 96/58/CE) and respective rules.

Transport, Installation and Maintenance Manual for Air Handling Units

- During the installation, all work should be done in total safety, in a clean and without obstacle spot.
- Always have in mind the valid legislation considering the use and eliminations of the package and products used for cleaning and maintenance of the AHU. Also regard the recommendations of the manufacturer for the products in question.
- You should always count with the safety teams necessary to avoid accidents in the installation spot as well the functioning regarding local rules.
- It is always obligatory to put a net or perforated panel when the air discharged is free, in order to avoid contact with the movable parts, and also avoiding accidents and damages of the AHU.
- Before connecting the AHU be sure that the various components and the entire system are in perfect conditions.
- Never touch or put yourself between movable parts
- Never lean on AHU or use it to climb/reach another locus.
- The accessories that are used to move the AHU should be used for this purpose only.

They should not be used to elevate the AHU when the AHU is connected to other equipments.

- Before starting any installation operation you should carefully verify all values of the characteristic plates.
- Transport the AHU and/or respective units as close as possible to the final installation area.
- In each water discharge pipe, put an adequate siphon. An inadequate siphon can compromise/endanger the IAQ.
- Wait 2 minutes before entering the ventilation section, so that the fans can stop completely.
- Before putting the fans working assure yourself that the damper flow are shut down. If they are open, it can originate an overcharge of the motor.
- It should not be possible to have access to the interior of the AHU without a special key/tool that only the technician of installation or maintenance should possess.
- All intervention should only be done when the installation is without electric current, and after being sure that the AHU can't be plug in, even accidentally.

Attention: the movable units of the fans are Very Dangerous

Transport, Installation and Maintenance Manual for Air Handling Units

Attention: while making the installation you should not do any usage or test without assuring that the fan is completely motionless. You should also guarantee that there is no explosive atmosphere risk during the work.

Attention: do not start any maintenance or cleaning work without assuring that the AHU is plugged out.

- Maintenance and replacement of any damaged pieces should only be done by specialized personnel, following the instructions of this manual.
- The spare parts should always correspond to the requisites established by the manufacturer.
- When unplugging the AHU please consider the valid legislation regarding pollution prevention.

Attention: When putting the machine in use, the installer and user should consider and prevent that all other types of risk related with the HVAC system. For example: risks related with the introduction of strange objects or other kind of risks regarding the admission of toxic or inflammable gases with high temperatures.

Note: Each AHU includes an instruction manual and the indications should be respected: Earth connection, electric cable connection and wire clamp follow rule EN 60204-1, using cable glands with IP protection.

Risk	Factors that determine a dangerous situation	Solution
Mechanical: dragging or imprisonment	Maintenance work done to the equipment	Placing the immovable protection that can only be removed with a special key
Electric: indirect contact	Abnormal electric discharge	Electric connection using a electric conductor, to assure the continuity of the circuit between the motor-fan system and the AHU box.
Mechanical	Faulty installation of the motor	Placing shock absorber to absorb vibrations
Mechanical: crushing, cut	Handling the AHU, maintenance work of the equipment	Place outlines and edges with smooth geometry (round shaped)
Mechanical:dragging, winding	Handling the AHU, maintenance work of the equipment	Paste a sticker indicating that there is the need to put the protection grid on all movable parts in case there is a air discharge. The grid should be fixed with screws, with square openings of 15mm on the side.

3 - Description and main characteristics.

Air handling units – are sets manufactured from a modular-type structure in aluminium or PVC and dual panels injected with polyurethane, that provides a low noise level and an excellent thermal insulation. Each module can contain one or more below mentioned sections, or combinations. This depends upon the purpose of the AHU and their needs concerning flow level, air quality, heat transfer rates, etc.

An AHU can have as main sections the following:

- Air entry section;
- Filter section;
- Humidifier section;
- Heat recovery section;
- Heat exchange section;
- Ventilation section;
- Mitigation section;
- Empty section;
- Free-cooling section;
- Mixing box.

Concerning the ventilation section, the AHU is delivered with “plug fan” fans or double- entry advanced and backing spades; with a direct coupled motor or with belt transmission and strained mechanism. They cover a wide range of flows that can go from 650m³/h upon a maximum of 77.500m³/h. The different series of AHU are designed and manufactured concerning the risk elimination, to fulfill the integrated security conditions and assure the maintenance of high standards of IAQ in the buildings.

When the configuration and the production process allows, Sandometal incorporates directly the most adequate safety devices. In case the conditions of the construction or the utilization do not permit the implementation of those devices in the factory, Sandometal has additional safety devices necessary to implement in the moment of the installation before getting into service. In each case Sandometal has a complete line of accessories to protect the AHU area that may endanger physical integrity of people.

The AHU design is focused on the IAQ. Between other solutions, the condensate trays are inclined in order to allow an appropriate outflow. The tray itself is movable so that the cleaning can be effectively done. It also allows a space to get access to the water coils in order to get them properly clean.

4 – Conformity

The AHU with the mark CE fulfill the legal formalities below:

- motor communitarian directive 98/37/CE;
- Low voltage directive 2006/05/CE;
- Electromagnetic communitarian directive 2004/108/CE;

And the following standards:

- EN ISO 12100-1:2003 (Ed.1) – Safety on machinery. Engine Motor safety. Basic concepts, main principles of conception for design. Part 1: Basic terminology, methodology.
- EN 60204-1:2005 – Motor safety. Safety on machinery – electric equipment of machinery. Main rules.
- NP EN 294:1996 (Ed. 1) – Motor safety. Safety on machinery. Safety distance to hinder that superior members do not reach dangerous areas.
- NP EN ISO 3744:1999 (Ed.1) – Acoustics. Determine the levels of acoustics output produced from the noise of the acoustic pressure. Skill method conditions that approach a free field to a plane reflector.
- ISO 14121 – 1:2007 – Safety of machinery- Risk assessment – Part 1: Principles

4.1 - Scope

These instructions are valid for all AHU

4.2 – Previously Confirmation

After checking the data concerning standard technical information, please check requested protection forms.

5 – Verification before the expedition

Before expedition all AHU go through a rigorous set of verifications listed below:

- Dimensional verifications to check if the present dimensions of the AHU corresponds to the dimensions described in the picture signed by the client;
- Visual inspection of the finishing;
- Verification to assure that all components are complete;
- Functional test to the electric motors and humidifier pumps;

Transport, Installation and Maintenance Manual for Air Handling Units

- Visual inspection to assure that the fan rotor is balanced;
- Tightness test to condensate trays;
- Visual inspection to assure the tightness of the flexible joints of the fans;
- Set registers to locked position;
- Set coils (only for medium and large size) for transport;
- Set vibration dampers of the fan (whenever necessary and regarding the kind of transport used);
- Clean the AHU inside;
- Put the identification plates;
- Put signs that indicate the unloading, the water connections, the electric connections and eye bolts

Remark: a special certificate can be issued concerning the verifications mentioned above upon request of the client.

6 - Transport, reception, storage and moving

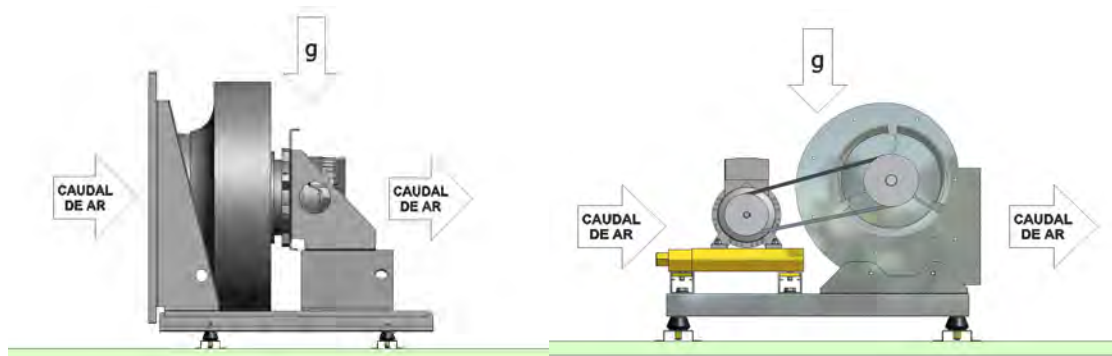
Remark: Sandometal will decline any responsibility if, eventually, damage should oucome from moving, transport or storage of AHU. Be sure that the operators of the machine transporters have a valid driver's license

6.1 – Transport

All AHU delivered are wrapped up in protective film, or in boxes or in normal or water resistant wooden grids, etc.

- The AHU can only be transported in their working position and no other. The shock absorbers of the motor-fan set just work when there is compression. Working position means the position that in the fan section causes compression on the shock absorbers of the fan support as seen in the next picture.

Transport, Installation and Maintenance Manual for Air Handling Units



- The AHU should be protected from damage and contamination.
- The components, that can't be installed in the AHU because of some specific request (structural, technical or because of the transport), will be sent, specially protected and will be described in the guide book.
- All units are divided in structural sections and delivered dismantled. Each section has maximum size of 2400mm (large) x 2500mm (high) and can be transported by truck.
- There is a special care while loading (truck or container). Every section that compose the units are handled and stored using specific separators to protect salient pieces as coil supports, grips, hinges and others

Attention: The transporter is responsible of accommodating the units in the transportation vehicle. For correct accommodation girdles should be used in order to avoid damages.

Attention: do not use the hinges or water connections of the unit as binding spots in any circumstance.

6.2 – Reception

Before unloading the units a careful inspection should be done to see if damage has occurred during the transportation. In case some damage is found, it should be reported to the transporter that will make an appointment on the delivery documents.

- After receiving the unit and before unloading all the material a visual check should be undertaken. Assure that the unit has not suffered any damage resulting from a crash or collision, which could affect the good functioning of the unit, during the transportation
- Check manually if the turbines spin freely, without imprisonment or collisions.
- Any damage found should be reported to the transporter that will accept the merchandise with reservation and make appointments in the delivery documents. At the same time a communication to Sandometal should be done.

Transport, Installation and Maintenance Manual for Air Handling Units

- You should be sure that the model received corresponds to the characteristics of the delivery note.
- You should verify if the data of the characteristic plate of the unit, and the registrations on the motor plate correspond to the electric installation, tension and frequency, etc.
- When the unit is delivered in more than one module, assure yourself that the material needed for a correct installation (screws, hardware, polyurethane sealant and others), is delivered with the unit. Those materials, are shipped in adequate packaging, from the factory.

6.3 - Moving

The AHU are equipped, in the standard version, with base and support feet. When requested, the AHU can also be equipped with a continual base support. In each situation were conceived special openings in order to introduce pipes for elevation with cables.

When moving the AHU you should always consider the adequate means concerning the weights involved, as established by the decree law 330/93 (rule 90/269/CEE), decree law 50/2005 rule 2001/45/CE) and afterwards amendments.

Remark: Set the cables as shown in the picture below. Put adequate length dividers to avoid that the cables damage the box when they are tied up. The distribution of weight should be equal. Be certain that the transporters have a valid driver's license.



- Low down the merchandise carefully avoiding sudden movements or worse. Possible chocks can affect the fans equilibrium.
- Pay attention to the corners and edges than can damage the machinery.
- Void uncontrolled rotations.
- Pay special attention while moving the load in order not to damage prominent pieces, as water entry/exit, handles, hinges, and others.

Transport, Installation and Maintenance Manual for Air Handling Units

When the support feet are installed, the AHU can be handled using a lift-truck, if the forks of the lift-truck have enough length.

Attention:

- Spread the forks as much as possible to balance the load.
- Dip the ends of the forks to avoid damaging the interior panels.

6.4 – Storage

If eventually the unit needs to be storage for a long period of time, before the installation, be sure that the local is sheltered from inclemency, clean and dry, protected from dust, solar light and contamination, far away from heat and vibration sources.

Remark: Sandometal will not assume any responsibility if the AHU suffer any damage resulting from incorrect unloading or inadequate protection against the forces of nature.

7 – AHU Identification

The AHU have an identification plate that contains the following information:

- Manufacturer
- Manufacturer address
- Model
- Client reference
- Pre-filter
- High level efficiency filter
- Absolute filter
- Number of rpm of the fan
- Air flow
- Available static pressure
- Cooling power
- Heating power
- Motor power
- Number of phase-frequency tension
- Serial number

Transport, Installation and Maintenance Manual for Air Handling Units

- Fabrication year

Remark: to assure a quick response in case you need information, please tell us the serial number of your AHU, when you contact Sandometal.

8- Installation and Commissioning

8.1 – Safety

Never start the installation of the AHU without reading and understanding chapter 2 – Safety Considerations.

8.2 - Selection of the installation location

Attention: when installing the AHU be sure that the location is easily accessible in order to do maintenance work.

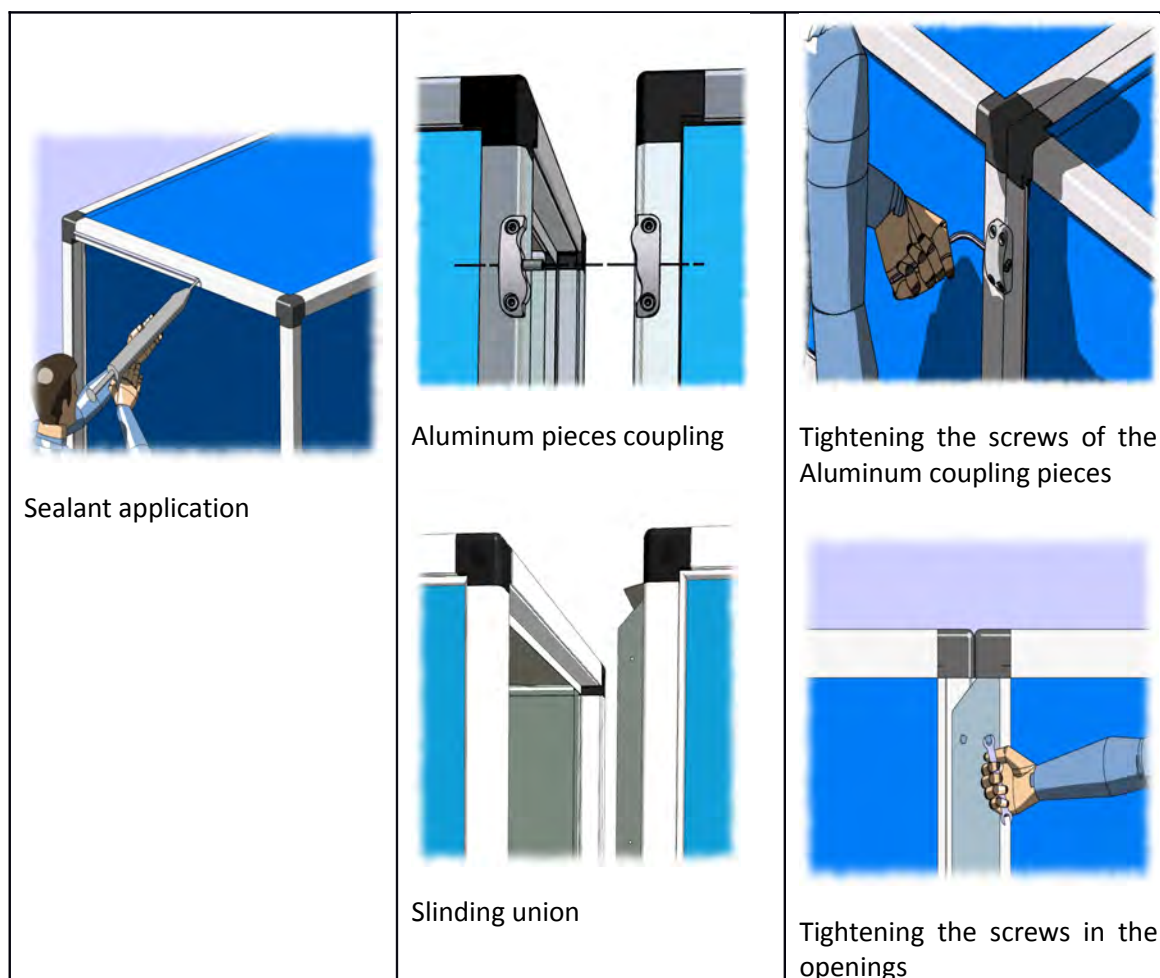
- Assure yourself that the chosen location allows a simple unloading of the motor and accessories. This means that there should be any obstacles that hinder the movement of the material needed to install.
- Be sure that the support surface can support the weight of the AHU and will not cause vibrations.
- Be sure that the surface is perfectly horizontal in order to allow the correct linkage of the various sections of the AHU, if necessary.
- Be sure that the AHU is perfectly leveled, using, if necessary the tabs under the supports, assuring that the doors open completely and the compartments remain dry.
- Never place the AHU in rooms that have the chance to introduce strange objects or in which exist inflammable gases or acids, aggressive or corrosive substances that can irretrievably damage the various components of the AHU.
- In case the AHU is suspended from the ceiling, all section that compose the AHU should be suspended from the ceiling to because of the weights. Pay special attention to the alignment between sections.
- Before putting the fan in function verify the involving area. The pieces that are loose or can be loose, may be dragged in the air flow and cause serious damage.

The set motor-fan and the movable pieces of the AHU have their own vibration shock absorbers, and are dynamically isolated from the structure.

8.3 – Union of the section

To assure a total isolation when the AHU is completely assembled, a sliding union made of plate or a union made by coupling various pieces of aluminum, can also be used as a guide to connect the different sections.

In the picture above show the two coupling processes of the AHU modules:



To assemble the AHU modules look at above images the follow the procedure:

- Be sure that the support surface is leveled
- Apply polyurethane sealant in all perimeter of the union
- Join all the sections using the sliding union
- Tight the screws in the openings. The screws should be tighten from the inside of the AHU, using the inspection doors to grant access or removing the lateral panels next to the union, according to dimensions or configurations of the AHU

Transport, Installation and Maintenance Manual for Air Handling Units

8.4 - Ground connection/surface support

The AHU have motors that need to be installed in horizontal surface. This allows the set motor-fan to stay in a horizontal position upon the dampers, assuring that the tension is pure pressure.

- Pay special attention to the fan while installation, in order to avoid mechanical damage.
- The fixed openings of the AHU (arrangement as well as measures) are standardized and calculated in order to allow the safety and stability needed. That's why the AHU should always be fixed using adequate screws and washers, using all openings available.

To assure a good installation you should consider the following:

- The spacing measures should be adequate in order to avoid interferences between the AHU and the surrounding space. The door that allows to visit the inside of the AHU should always be accessible, in order to allow maintenance operations.
- The measures between openings for fixation should be the same as the ones present in the AHU
- Use adequate tools in a convenient way so that no kind of tension should be made on the components structure.

8.5 – Pipe connections

Remark: The AHU cannot function if the fan exits are not in pipe connections or if they are not protected with a safety net, as the standards recommend.

- The pipe connection should only be done by specialized personnel.
- The pipes should have dimension according to the capacities of the system and the characteristics of the fan. A incorrect calculation of the dimension of the pipe can result in a loss of reduced charge and increase the potency absorbed by the motor and this leads to an increase of velocity of the motor. This leads the motor to a collapse or lead to an activation of the safety system
- To avoid the formation of condensation and to reduce the level of noise, the pipes should be isolated and have a mechanic lining.
- The continuity between the pipe and the AHU should be done by an earth cable.

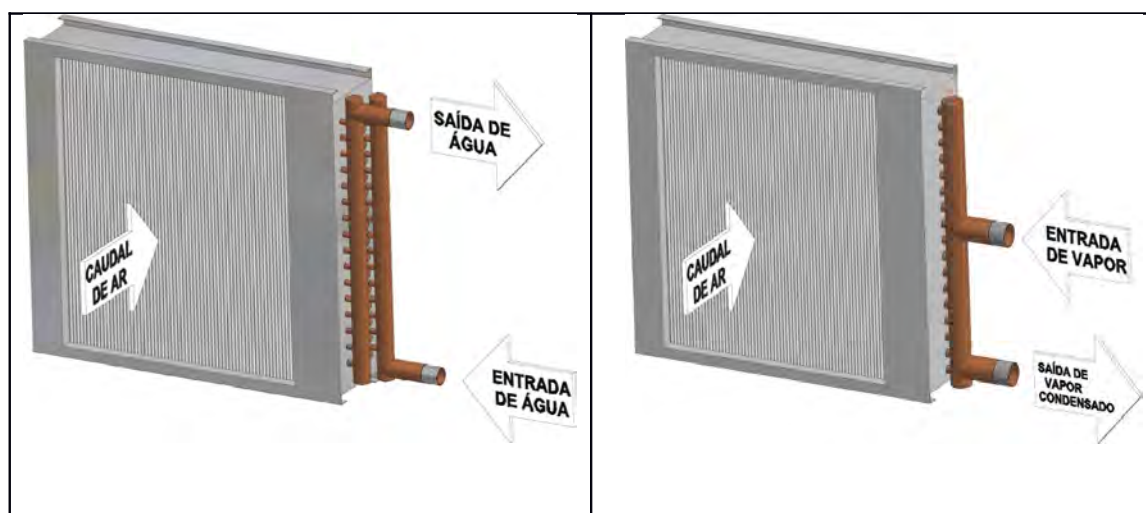
Remark: high velocity flow can make noise.

8.6 – Water connections

The incorrect installation and incorrect water connections can compromise the right functioning of the entire system or worse, cause irreversible damage to the AHU. These operations should be done by the installation technician.

Transport, Installation and Maintenance Manual for Air Handling Units

8.6.1 - Water connection to the coils



- The AHU are equipped with coils with male thread.
- The installation and the pipe connection are operations that can compromise the good functioning of the unit or worse, cause irreversible damage to the AHU.

Attention: the entry and exit of the water should be installed in order to allow the exchange between counter-current heat and between air and liquid (that flows in the interior of the battery, which can be water or a mixture from water and anti-coagulant), with entry in the base and exit on top. For this reason there is always needed approval from the structured pictures that put in evidence the connection sides.

The AHU have also special plates that indicate the water entry and exit.

- The steam coils have the entry on top and the exit of the condense liquid in the base. The coils are always delivered with counter-current flow.
- The direct expansion coils have welded connections.
- The connection should be tight carefully to avoid damage.
- The path to the pipes should be conceived in order that there is no obstruction when the coils or the filter of the AHU is withdrawn, and to assure access to the inspection doors.
- Support the pipes adequately outside the AHU in order to avoid weight on the coils.
- The isolation should be leaned on the panel to avoid burns/condensation risks.
- Install On-Off valves to isolate the coil from the remaining circuit, in case of special maintenance.

Transport, Installation and Maintenance Manual for Air Handling Units

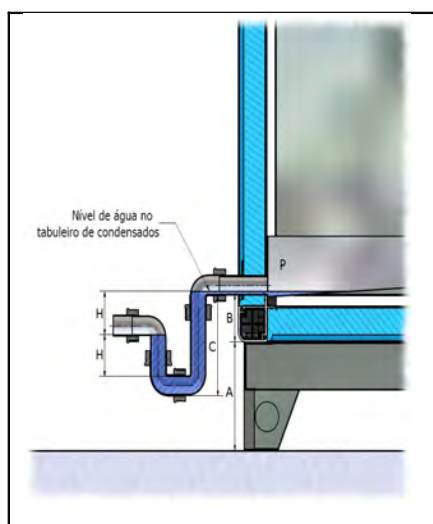
- If the installation is made in a particularly cold location and there is no plan for installing an anti-freezing device or the addition of an anti-coagulant, empty the system if it will be inactive for long periods of time.
- Withdraw, when planned, the lock nuts for transportation in order to replace the slack, and so ensure the expansion of the pipes.

Attention: Always use two pipe-wrenches when tightening the coil pipes, to avoid strain (twisting/pressure) and that could damage the pipes inside the AHU.

8.6.2 - Water connections to the humidifier

Proceed as the manual of the humidifier manufacturer describes.

8.6.3 - Sewage connections



Connect the discharge of each condensation tray to the sewer directly or using pipes.

- Install an adequate siphon in each discharge pipe to avoid that air enters in the depression system and stops the correct drainage of water. An inadequate siphon also avoids infiltration of bad odours (ex. Trap with ball backstop).
- The dimension and construction of the siphon should obey the following formula: $H \geq P$: P corresponds to the static pressure of the fan in mmHg, equals the millimeters of water column.
- You should pay attention to the measures of the sum of the measures A and B represented in the image. The ideal is that this value is superior to the one of C to avoid lowering the surface of the AHU or altering the base of support of the AHU (quota A) because of the dimensions of the siphon.
- The siphon should be installed with a cover for the lower extraction point of the air, and should permit a easy dismantling and complete cleaning.

Transport, Installation and Maintenance Manual for Air Handling Units

- The path through the condensation drainage should always be inclined to the exterior.
- Assure yourself if the drainage pipe of the condensation does not force the AHU discharge.

Attention: an inadequate siphon originates odors that will be harmful to the IAQ.

8.7 – Electric connections

Attention: all electric connections should respect the provision of the directives of low tension and the directive electromagnetic compatibility, as well as other local rules considered relevant.

Attention: before starting any operation please be certain that the main power source is shut down.

The AHU are powered by electricity, so they necessarily need to be connected to an electrical board. This board should have the potency feed adequate to the AHU requisites (see characteristic plate from the machine).

- The electric connection should be done by specialized personnel.
- The electric board should have components that allow the command of the machine (start and stop).
- Verify if the tension and frequency shown in the plate of the AHU correspond to the power feed.
- All commands should be identified with subtitles in order to avoid confusion or misunderstandings by using Portuguese language or the standard symbology used.
- The electric board should have a general electric cut device with blocking possibility, in order to assure all safety conditions while during the maintenance and functioning in normal conditions.
- The power line of the fan motor should have a magneto-thermal protection system or similar to eliminate any overload charge, power interruption or voltage drop. The same system should not allow a sudden start of the motor.
- All commands should have an ergonomic position and should not be in dangerous locations. They shouldn't allow a sudden start of the machine.
- Connect the AHU and all components with an electric cable adequate to the installed voltage and respecting the regulations in force.
- The section of cables should grant that the drop of voltage while starting, between the source and the machine, should always be 3% inferior to the nominal value.
- Never use adapters, multiple plugs and/or extensions in the main feed voltage of the AHU.

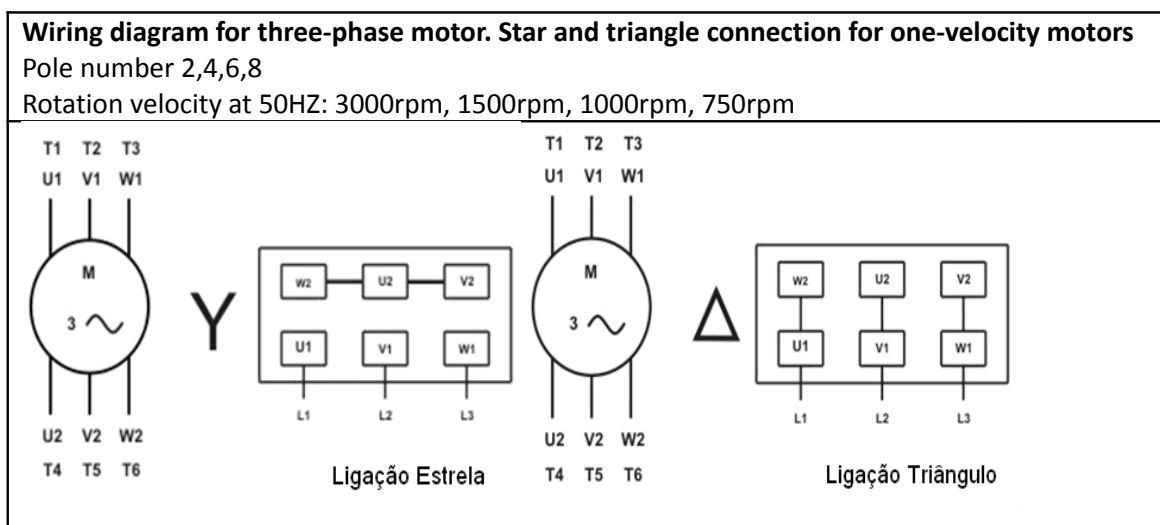
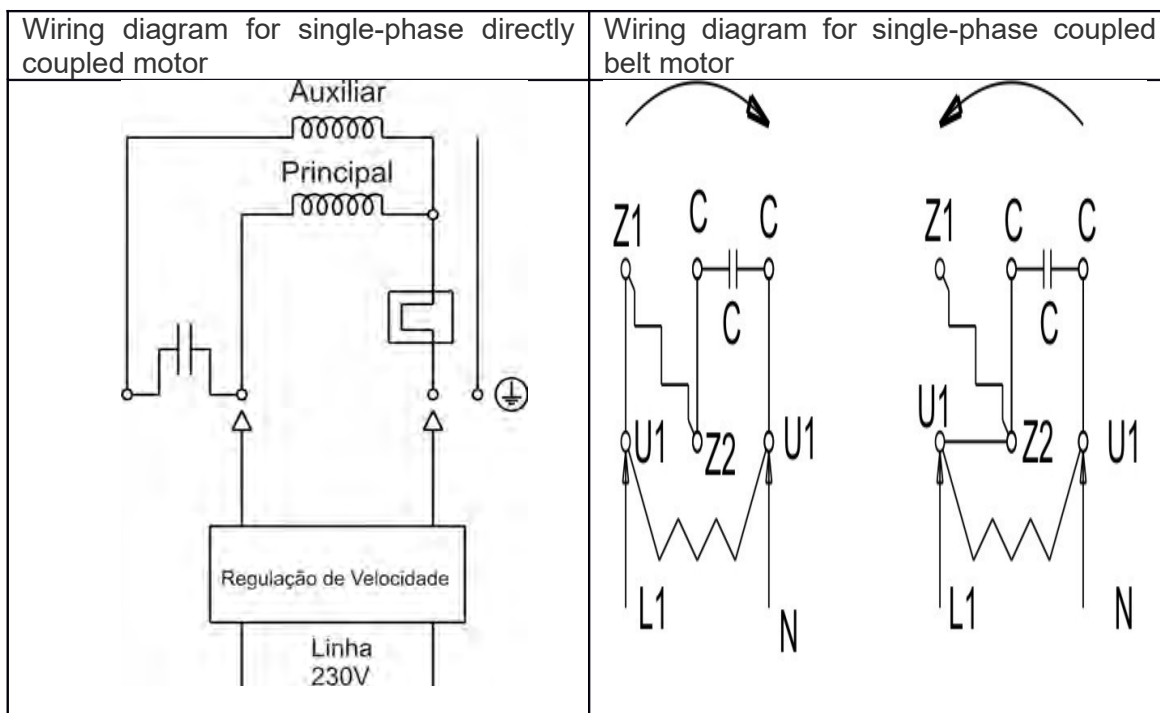
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- The electric continuity between the AHU and the soil should be done by an earth cable.
- In case the motors are connected to a frequency converter, please see the instructions manual of the converter along with this information.

8.7.1 - Motor connections in the ventilation section

Attention: the electricity work should be done by an installation technician. Before connecting the motors read the furnished manual.

Attention: The electric feed should be off, while doing the motor connections. After the motor is connected, and being sure that the electric feed is off, assure yourself that the terminals and the earth connection are properly done.

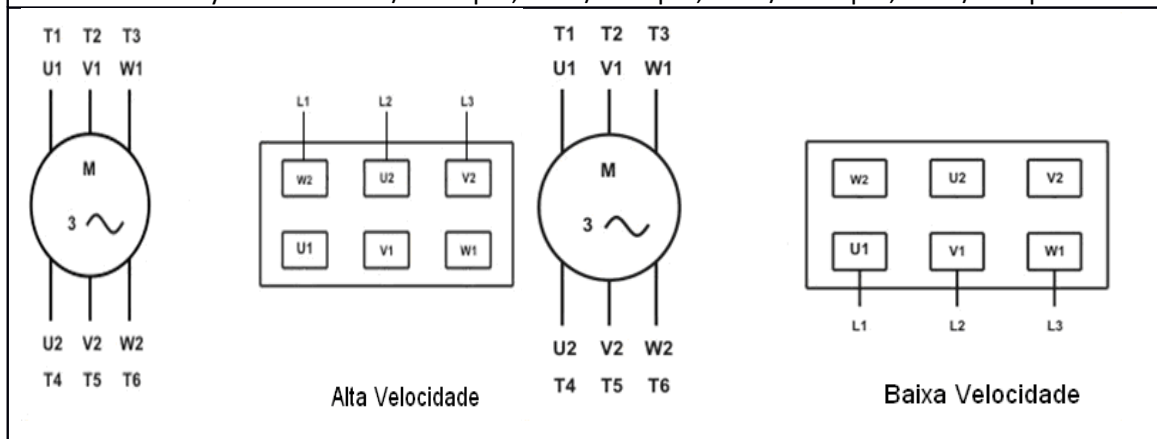


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Wiring diagram for three-phase motor. Connection for two velocity motors, two separate windings.

Pole number 2/6, 2/8, 4/6, 6/8

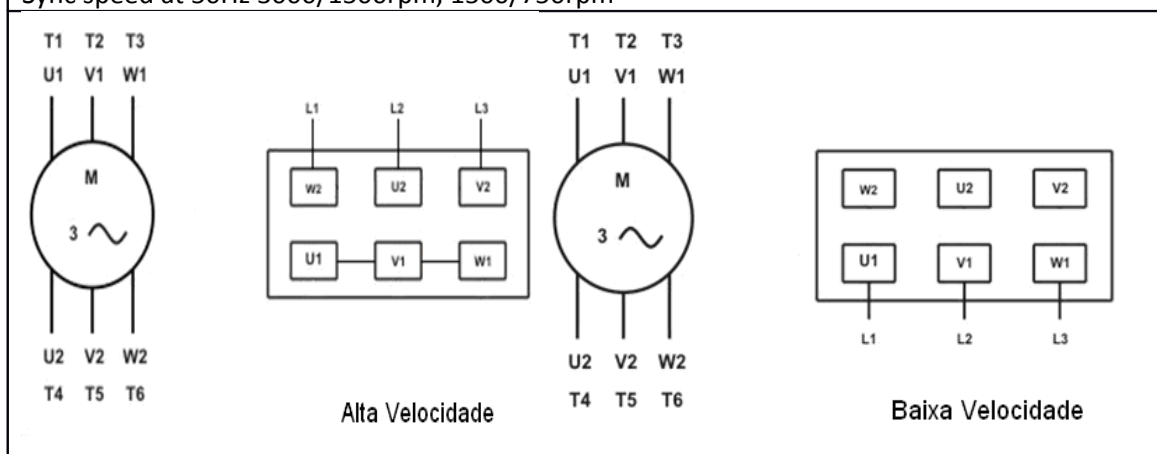
Rotation velocity at 50Hz: 3000/1000rpm, 3000/750 rpm, 1500/1000rpm, 1000/750rpm



Wiring diagram for three-phase motor. Connection DAHLANDAR for two velocity motors, square binary.

Pole numbers 2/4, 4/8

Sync speed at 50Hz 3000/1500rpm, 1500/750rpm



To connect the motor, pay attention to the schemes above and proceed as follows:

- Disassemble the cover of the wire-clamp box and prepare the disposition of the same in order to do a correct connection. To do the connection you should follow the schemes above.
- You will also find a connection scheme inside the wire-clamp box or on the manual send by the motor manufacturer.
- After connecting the fan motors, verify carefully if the connections of the terminal block are adequate for the voltage of the source feed.

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8.7.2 - Electric testing

Attention: The electricity work should be done by an installation technician.

The AHU are electric tested by Sandometal, according to the rule EN 60204-1:2005: isolation resistance and dielectric rigidity. After the installation is complete, the installer should do a test to the continuity protection circuit, in order to assure the conformity with the rule mentioned above.

8.8 - Verifications before start

While installing the AHU do not use tools of abrasive cut to assure the indoor air quality. The interior of the AHU should be cleaned and vacuumed before the first start.

8.8.1 - Mechanical verifications

- Be certain that the machine is correctly fixed to the soil/surface support.
- Assure yourself that the protection of the movable parts is in the right place.
- Be sure that the danger signs are in the right place.
- Be certain that the characteristic plate is in adequate conditions.
- After the installation of the AHU be sure that the turbines can twist freely and without any obstacle.
- Be sure that there are no strange objects inside the AHU either upstream or downstream.
- Be sure that the sewage connections are well executed, and can assure a correct drainage of the condensed.
- Be certain that the dampers mechanism functions properly.
- Be sure that the pre-filters are correctly installed.
- Assure yourself that the connections to the conducts are properly executed.
- Be certain that the fan spins in the right direction, which is indicated by an arrow on the volute or on a special label.
- In case the AHU uses a fan with belt drive you should follow the indications of point 10.4.4 – fan section (pulleys and tightening of the belts).

Attention: the movable components of the AHU are VERY DANGEROUS elements.

8.8.2 – Electric verifications

Attention: The electricity work should be done by an installation technician.

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- Be sure that the electric cable is the right one.
- Be certain that the electric feed cable has no interference or possibility of collision with the spinning components of the fan and the movable couplings.
- Assure yourself that the electric connection to the voltage board is correct.
- Be sure that the electric components are connected and with the right voltage, such as the safety micro-switchers on the door, lights, humidifier pumps, etc. the fan can only function with the right voltage indicated on the characteristic plate of the motor. Verify if the technical characteristics of the plate are the same of electric feed net, V voltage, Hz frequency. Maximum variations in voltage: $\pm 3\%$, in frequency: $\pm 1\%$.
- Be sure that the structure of the AHU is connected to the earth.
- Be certain that the electric system is correctly protected according to the rules in force.

8.9 - Instructions before starting the AHU for the first time

Attention: before starting the fans close the flow registers.

Attention: the first start is done without filters.

8.9.1 –First start

Attention: The electricity work should be done by an installation technician.

Attention: before starting the fans close the flow registers.

- Be sure that the motor connections were done in conformity with the point 8.7.1 - motor connections in the ventilation section.
- Connect to electricity and start the fan.
- Be certain that the fan spins in the right direction (which is indicated by an arrow on the volute or on a special label). If the direction of the spin isn't right, you should switch one or more phases in order to correct the direction of the spin.
- Always complete gradually the initiation period. Start with the registers closed and open them gradually after some minutes (the necessary time for the change star/triangle) until the conditions of the project are achieved.
- Verify if the siphons, which should be installed in every discharge, can empty the condensate trays.
- Test the correct functioning of all stopping emergency devices. Test the correct functioning of the safety/protection devices.

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- Be sure that the motor consumption (intensity A) is adequate and equivalent to the nominal intensity of the motor, which characteristics are on the plate stuck on the motor box.

Attention: *Test the correct functioning of all stopping emergency devices.*

Remark: *it is convenient to make a check of the consumption after the first hour, and inspect also the fixation and tightening of the screws. Also check the tension and alignment of the transmission belt, if that should be the case, as it is described in the MAINTENANCE chapter.*

Remark: *After the first start a cleaning should be done to the interior of the AHU. Avoid the use of abrasive and aggressive substances on the surface.*

8.10 – Filters

Attention: *the filters are placed after the first start and a complete cleaning.*

- To reduce the undesired waste of the non-reutilized filters, those will be delivered packaged and should be installed on the AHU by the installer. After the first start you should install the filters carefully, taking into consideration the application and condition of the joints, to avoid a bypass to the filter.

9 – Putting into operation

The AHU should have a diary where the first entrance should be the date which the AHU started to function. This diary should be kept in good conditions by the installation technician. The technician should write down the date of every intervention, the cause of the intervention, a list of the procedures, the dates of the inspections done, the regular maintenance services and any other record considered relevant for the good functioning of the AHU and the maintenance of the IAQ of the local that the AHU serves.

This will create the history of the AHU that will be very important in the future. Attached to this diary should be a copy of this manual, a description of the AHU function in the HVAC system, a scheme of the HVAC system where the AHU is inserted and it can also be useful to have a copy of the existing pipeline networks of the AHU.

- The panels/doors should always be in the right place while the AHU is functioning with the condition that the doors are always fixed/closed with the means supplied originally or exact the same installed in the same way as the original ones.

Attention: *the expression fixed/closed meant above makes reference to a blocking situation to any strange personnel that could have access to the AHU. So there will be no possibility for someone to have access to the interior, unless they have a special tool/key, which shouldn't be easily accessible to anyone.*

If a failure of the equipment occurs or there is the suspicion of a failure, the AHU should be stopped immediately until a maintenance technician can check the failure or do the repair.

10 – Maintenance

Attention: all maintenance work should only be done when the AHU is plugged off. Verify if the AHU can't be connected to the electricity, even by accident.

The user must assure that all maintenance services are done. The maintenance work should only be done by the maintenance technician. Please consult all the suppliers documents annexed to this manual, for specific maintenance works of the different components of the AHU.

- Consult the machine diary and this manual before doing any maintenance work.
- Write down all necessary and relevant information, all procedures done and the dates in which the maintenance and inspection work occurred.
- Always wear gloves to protect the hands while doing the maintenance work.
- Always use adequate tools to do the maintenance work.
- In case the panels need to be removed, the electric feed source has to be isolated from the AHU.
- In case it is very windy please pay attention when removing the panels/doors of the AHU

The number of times and the frequency of an adequate maintenance work depend principally from the quality of the liquids treated: air and water.

The air can be particularly harmful for the AHU if it contains significant amounts of pollutants or aggressive substances, as for example:

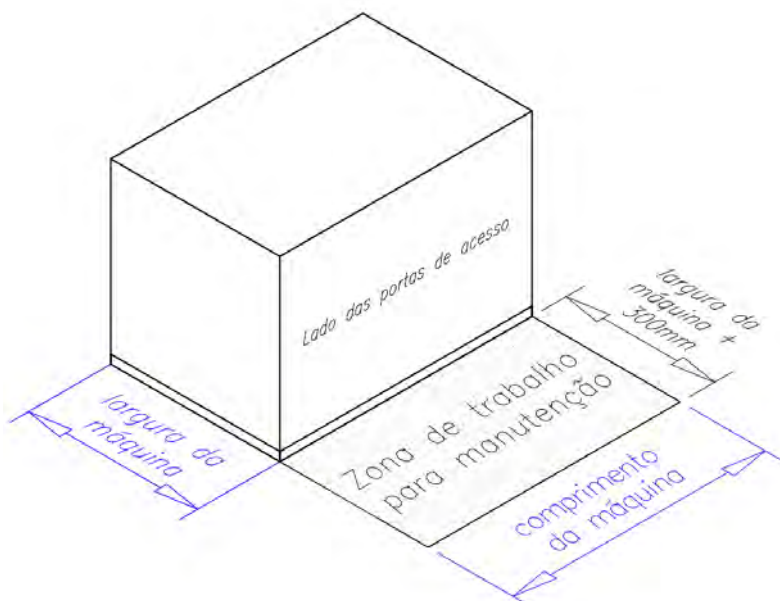
- Industrial discharges;
- Salinity;
- Chemical gases;
- Heavy dust.

Those substances when entering in contact with the interior and exterior of the AHU, through the air flow or direct exposure, can in time and when there is insufficient and irregular maintenance cause structural and functional deterioration of the AHU.

10.1 – Location reserve

For each maintenance work should be reserved an area located exactly in front of the access doors of the machine as shown in the image below:

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10.2 – “LOCK-OUT TAG-OUT” procedure

Attention: the maintenance technician should be the only authorized person to do the maintenance work and also the one to do the “LOCK-OUT TAG-OUT” procedure.

Any maintenance work always isolate the AHU from any electric feed source and remind that the machine is in maintenance:

10.2.1 –Lock procedure

- Notify all persons affected by the lock system.
- Find all electric feed sources of the machine.
- Disconnect the machine locking (LOCK) all electric feed devices, using the energetic isolation system.
- Leave a note (TAG) near the lock, saying that the machine is in maintenance.
- Free the AHU from any accumulated energy.
- Commute all machine control devices between on and off to be sure that the machine does not work.
- After verifying, leave all devices in the off position.

Attention: only the authorized person can do the locking and put the tag and it is only this person that can undo it. If it is you that did the locking and put the tag, only you can take them away. If this person isn't available to undo the locking and take the tag from its place, only the direct supervisor can do it, and the supervisor has to apply his own locking.

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Attention: wait 2 minutes before entering in the ventilation section, in order to allow the ventilation circuit to stop completely. Always take into account that the fans, even when they are electrically stopped, can spin and cause serious damage.

10.2.2 – Unlock procedures

- Verify if all tools, pieces, etc. were removed from the machine after maintenance.
- Put all safety protections back in place.
- Be sure that there are no persons near the machine.
- Remove all locking devices.
- Connect the energy feed to restore the machine potency.
- Verify all operating modes of the machine, testing all functions dependent from the electric energy.

10.3 – Cleaning

Attention: All cleaning procedures should be done with adequate individual equipment such as waterproof apron, long barrel gloves and glasses.

The cleaning should be done using a wet rag with a non-aggressive detergent for stainless steel, galvanized steel, PVC or the environment. A common dishwasher detergent is adequate.

10.4 – Specific procedures

The AHU diary should be filled.

Next you will find a list of the inspection services and maintenance to be done, and the frequency of the same services. The frequency of the services depends on the kind of installation you have and should be evaluated by the maintenance technician. The services should also be adequate to kind of effective use and installation area. The verifications done before the AHU is put in functioning should be the ones you should do after a long period of inactivity.

10.4.1 – Circulation registers

Component to be inspected and procedure	Frequency
The registers of extruded aluminum with PVC gears, if they don't have pieces susceptible to rust, do not need a special maintenance, only a simple normal cleaning.	Yearly
The outside registers need a more frequent maintenance.	Quarterly

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10.4.2 Filters sections

Attention: Before doing the maintenance of the filters section, close all registers of the machine in order to avoid contaminating the nearby areas.

The AHU should never function without filters. The good maintenance of this section is essential to assure the IAQ. It deserves a special attention because it is a critical section.

The loss of load of the filters increases proportionally as the filters become dirty according to the dust concentration or the air pollutants.

There are filters than can be washed; but there are others such as the filters with filter blankets that can only be shaken, vacuumed or blown. Each of these operations does not give the filter the filter capacity that it had at the beginning. After some time the filter has to be substituted. The right time to do the operations described above can be simplified if the AHU is installed with a pressure switch. If there are no alarms indicating the state of clogging, the frequency of substitution or vacuuming of the filters is described in the following paragraphs. It can be monthly or fortnightly if the air is especially dirty. It can be adapted to the local characteristics.

Have special attention when you reinstall the filters in order to avoid a bypass to the filters.

Component to be inspected and procedure	Medium-frequency	Final loss of charge recommended (Pa)
<p>Pre-pleated synthetic reusable filters (G3/G4):</p> <p>The cleaning should be realized:</p> <ul style="list-style-type: none"> • Shake the filters; • With compressed air or vacuum. <p>The substitution should be decided by the maintenance technician. But, if the filter remains blackish after cleaning and the filter blanket is not transparent when put in counter-light, the substitution should be done.</p>	Monthly	150 Pa
<p>Pre-pleated metallic filters (G2)</p> <p>The cleaning should be realized:</p> <ul style="list-style-type: none"> • Washing with hot water and detergent (degreasing products) and then immerse in mineral oil. 	Monthly	150 Pa
<p>Flexible and rigid bag filters (F5-F9)</p> <p>These filters can not be reused, they have to be replaced. The joints should be carefully verified if the assure yourself that they are sealed. They should be replaced if necessary. The clamping springs should avoid bypasses.</p> <p>When you withdraw the dirty bags, close the suction side in order to avoid spreading the dust inside. In this case the normal installation of the filter allows removing the bag on the suction side, except in cases where the configuration or dimensions of the AHU won't allow it.</p>	According to the limit loss of charge	F5-F7 250Pa F8-F9 350Pa

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Absolute Filters (H10 – H14) See bag filters. Withdraw only from the suction side.	According to the limit loss of charge	400Pa
Activated carbon cartridges filters The efficiency of the carbon can't be easily defined. This efficiency is measured according to the carbon concentration, the kind of pollutant as well the quantity of carbon used. So the duration of the filter can't be easily measured. The carbon should be replaced according to the maintenance technician's opinion, based on the hours of functioning and any calculations done in the conception of the system.	When the filter is unable to capture odors	The loss of charge is constant

10.4.3 – Humidifier sections

Attention: the collect condensate trays of the AHU that have pulverization humidifiers (air washers) are areas where Legionella can be developed. This is a reason why the flow of condensates should be effective and a regular cleaning should be done.

Component to be inspected and procedure	Medium-frequency
Humidification with evaporation panel and recirculation pump Read the suppliers manual on the humidification system	See suppliers information
Humidification in the humidifier nucleus in open circuit Read the suppliers manual on the humidification system	See suppliers information
Steam humidification with immersed electrode Read the suppliers manual on the humidification system	See suppliers information
Humidification with water and compressed air Read the suppliers manual on the humidification system	See suppliers information
Condensation Trays <i>Attention: the collect condensate trays of the AHU that have pulverization humidifiers (air washers) are areas where Legionella can be developed. This is a reason why the flow of condensates should be effective and a regular cleaning should be done.</i> The condensate trays should be cleaned periodically to remove any deposits or dirt. The trays are usually installed under the cooling coil, the heat exchangers and in the humidification sections. The accumulation of dirt can be corrosive to the tray steel and can also clog the flow. Wash with a water jet and dry the tray with a cloth. To empty the tray in the humidification section with a pump, loosen the flow pipe.	Monthly

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10.4.4 – Ventilation sections

Attention: *before doing any operation on the motor-fan set, check if the feed source is shut down. Wait 2 minutes before entering in the ventilation section, in order to allow the ventilation circuit to stop completely.*

Attention: *the spinning components of the fans are very dangerous.*

Attention: *a degraded belt in use can contaminated the air, degrading the IAQ.*

Component to be inspected and procedure	Medium-frequency
<p>Plug-fan fan To do the maintenance to this fan, please see the indications on the instructions manual of the manufacturer.</p> <p>Centrifugal fans The fans, because of their functional design and robust conception, have a reduced maintenance for their correct use. The turbines are balanced with precision level G=6,3, according to the rule ISO 1940/1 and the residual imbalance is between the admissible tolerances. The metallic components are protected against oxidation because they have galvanized finishing. As it is a spinning machine, there are external agents that need you to have minimum necessary precautions of maintenance in order to get efficiency in a continuous way.</p> <p>With the fan off, check if the fan rotor is centered on the axis, if the blades do not touch the volute and if the blades are tightened and do not vibrate. To avoid these situations the coils should be cleaned three in three months, because the dust and the waste deposited on the blades, diminish the efficiency and cause a progressive imbalance that affects the functioning of the set.</p> <p>The phenomenon described above can take place in time, because, for example, of the metal waste in the pipes or because of the natural looseness of the setscrews. Verifications can be done by spinning the rotor manually.</p> <p>The ball bearings used on the smaller standard fans are radial self-aligning ball bearings, with seals and lubricant for all lifecycle and so does not need maintenance. Theoretically, in normal functioning conditions they have a 20.000 hours lifecycle.</p> <p>Check if the motor-fan set is correctly installed with the vibration damper supports and check if the supports are in proper, efficient conditions.</p> <p>High vibrations are a danger symptom. The best way for defining if the variations found in the smoothness functioning is to measure the mechanical vibrations in the bearings and in the activation motors, with accelerometers. The safest way to define those vibrations is to compare medium values for periods of time. In case the values vary in an evident way, possible causes</p>	Monthly

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should be investigated. The causes can be: dirt in the turbine or one or more blades are broken or damaged. If it is dirt, you should clean them and rebalance. If the blades are broken or damaged, please contact or technical services.

Attention: The fans with a lubrication system have an informative tag where is written what kind of lubricant is to be used on startup. The same lubricant is recommended for the maintenance lubrications.

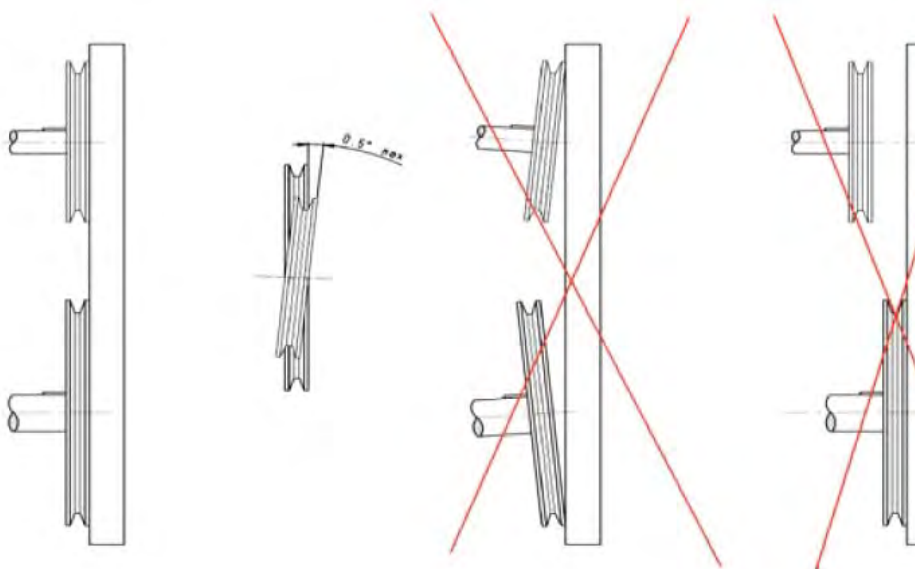
Component to be inspected and procedure	Medium-frequency																																			
<p>Bearings</p> <p>Ball – bearings are spheres used in standard fans and lubricated for the entire lifecycle, even though it is advised to switch them after their completed 20 000 hours of effective functioning. The ball-bearings are easily recognizable because they don't have grease nipples.</p> <p>Attention: when switching the ball-bearings adequate tools in order not to damage the axis or the seals of the bearings.</p> <p>To avoid damage and premature stops, the bearings should be inspected with regularity. Avoid entering strange objects, dirt and humidity. Pay special attention to noises or increase of temperature. Usually those are alert signs.</p> <p>The ball-bearings with lubricated junctions are factory lubricated and don't need to be additionally lubricated before start.</p> <p>The table below shows the lubrication breaks, based on the functioning conditions:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Temperature</th> <th colspan="3" style="text-align: center;">Local functioning conditions</th> </tr> <tr> <th style="text-align: center;">Clean</th> <th style="text-align: center;">Dusty</th> <th style="text-align: center;">Dusty and with humidity</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">To 50° C</td> <td style="text-align: center;">Do not lubricate</td> <td style="text-align: center;">12 months</td> <td style="text-align: center;">4 months</td> </tr> <tr> <td style="text-align: center;">To 70°C</td> <td style="text-align: center;">12months</td> <td style="text-align: center;">4 months</td> <td style="text-align: center;">1 month</td> </tr> <tr> <td style="text-align: center;">To 100° C</td> <td style="text-align: center;">6 months</td> <td style="text-align: center;">2 months</td> <td style="text-align: center;">15 days</td> </tr> <tr> <td style="text-align: center;">To 120° C</td> <td style="text-align: center;">2 months</td> <td style="text-align: center;">15 days</td> <td style="text-align: center;">5 days</td> </tr> <tr> <td style="text-align: center;">To 150° C</td> <td style="text-align: center;">15 days</td> <td style="text-align: center;">5 days</td> <td style="text-align: center;">2 days</td> </tr> <tr> <td style="text-align: center;">To 180° C</td> <td style="text-align: center;">7 days</td> <td style="text-align: center;">2 days</td> <td style="text-align: center;">1 day</td> </tr> <tr> <td style="text-align: center;">To200° C</td> <td style="text-align: center;">3 days</td> <td style="text-align: center;">1 day</td> <td style="text-align: center;">1 day</td> </tr> </tbody> </table> <p>The lubricants with adequate characteristics include: Alvania R2 – Shell, Mobilix 2 – Mobil, Beacon 2 – It. Add lubricant until it appears on the outside of the seal.</p> <p>IMPORTANT: AFTER A LONG PERIOD FUNCTIONING, THE LUBRICANT</p>	Temperature	Local functioning conditions			Clean	Dusty	Dusty and with humidity	To 50° C	Do not lubricate	12 months	4 months	To 70°C	12months	4 months	1 month	To 100° C	6 months	2 months	15 days	To 120° C	2 months	15 days	5 days	To 150° C	15 days	5 days	2 days	To 180° C	7 days	2 days	1 day	To200° C	3 days	1 day	1 day	Monthly
Temperature		Local functioning conditions																																		
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To 150° C	15 days	5 days	2 days																																	
To 180° C	7 days	2 days	1 day																																	
To200° C	3 days	1 day	1 day																																	

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SHOULD BE COMPLETELY REPLACED, ADDING NEW LUBRICANT UNTIL THE OLD ONE, LOOKING DARKISH AND LIQUEFIED, COMES OUT.

Pulleys

For the AHUs that, in the fan section, use belt drives, is recommended to tune the alignment of the pulleys and verify the state of the cotter-pin, shaft and key way. The misalignment of the pulleys reduces significantly the lifecycle of the belts. The main causes of misalignment are those shown in the image below:



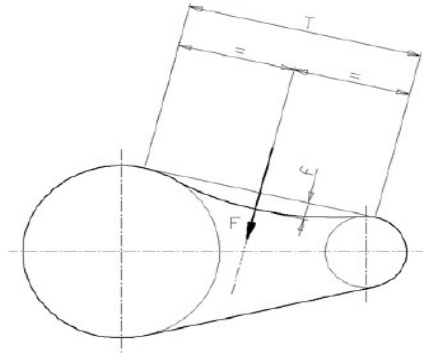
- Misplaced pulleys the shafts.
- The shaft, driving and driven.
- Not leveled shafts.

To inspection the alignment a ruler is necessary. Align the ruler with the outside of both pulleys as shown in the image above. The misalignment exists when the back of the ruler isn't completely leant to the back of the pulleys.

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Component to be inspected and procedure	Medium-frequency
<p>V-belts</p> <p><i>ATTENTION: a damaged belt in use can contaminate the air and degrades the IAQ.</i></p> <p>Verify the conservation state of the belt. Replace or tune as described in the following paragraphs. In case there are more than one belt in use in the motor-fan connection, replace the entire set as soon as one is damaged.</p> <p>The low tension is the more adequate. It won't let the belt slide when in is functioning in all capacity.</p> <p>An excessive tension increases the load on the supporters (it can damage the supporters); a low tension allows the belt to slide and wear out the surrounding elements.</p> <p>When necessary switch the belts by lots (very identical manufacturing characteristics). You can switch belts isolated. The placing should not be done in an isolated way or forced in order to avoid damages on the belts.</p> <p>To assure the correct functioning of the belt and consequently of the turbine, the belts must be tuned. The belt can be tune through a parallel movement of the support plate of the motor on the rails. You should always consider the alignment of the v-belt pulleys (see previous point). The right tension of the belt is calculated based on the distance and the deflection force, with a help of a dynamometer.</p> <p>Material needed for tension adjustments of the belt:</p> <ul style="list-style-type: none"> • A ruler which size is superior than the distance between the pulleys axis; • A 200mm ruler; • An adequate dynamometer. 	Monthly

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To verify the tension of the belts do as follows (see the image above):

- Measure the T distance between the centers of the two pulleys.
- Apply the F force on the center of each belt to assure a “V” equal to 1,5mm for 100mm from T (distance between axes). Measure the F force and verify if it is among the limits allowed, as shown in the table above.
- Calculate the sag in millimeters according to the following formula, knowing that for each 100mm of distance between axes the sag is 1,5mm (T-distance between axes in millimeters)

$$F=1,5 \times (T/100) \text{mm}$$

- Measure in the middle of “T” free measure, perpendicular, the force necessary to deflect the belt a dimension “f” from 1,5mm for each 100mm of “T”.
- Next compare the result to the dynamometer value (F) with F’ and F” of the following table:

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Belt type	External diameter of the minor pulley (mm)	RPM of the minor pulley	Minimal F' force (Newton)	Maximal F'' force (Newton)
SPZ	50 to 90	1200 to 5000	10	15
	100 to 150	900 to 1800	20	30
	155 to 180	600 to 1200	25	35
SPA	90 to 145	900 to 1800	25	35
	150 to 195	600 to 1200	30	45
	200 to 250	400 to 900	35	50
SPB	170 to 235	900 to 1800	35	45
	250 to 320	600 to 1500	40	60
	330 to 400	400 to 900	45	65
SPC	250 to 320	900 to 1800	70	100
	330 to 400	600 to 1200	80	115
	440 to 520	400 to 900	90	130

- The value measured by F should be between F' and F''. If $F < F'$ it is necessary to increase the tension in the belt. If $F > F''$ it is necessary to diminish the tension in the belt, because the belt is too tight.
- The belts lose tension as time goes by, especially during the first hours of functioning, because of the elasticity of the rubber. So the tension of the belts needs to be controlled and regularly corrected when needed. Before starting the functioning for the first time it is necessary to tune the tension of the belts for a value 1,3 times superior to "f" shown in the tables. The tension of the belts should be checked regularly and always after the first eight hours of functioning. The correction of the tension assures a long lifetime of the belt and also eliminates annoying noises.
- For afterwards packaging the belt should be adjusted according to the values indicated on the table above and with regularity depending on the conditions of functioning.

Remark: high tension reduces the belt's lifecycle, can cause deformations on the fan and motor shafts as well as cause overcharge or deteriorate the bearings

- While verifying the tightening of the belts, check also if the bearings of the fan do not expel liquefied mass: this situation, along with the high temperature of the bearings ($>60^{\circ}\text{C}$), detectable by touch, is a defect symptom.
- Periodically verify the tightening of the belts and adjust them if necessary.

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<ul style="list-style-type: none"> The belts should be replaced in case of excessive wear, reduction of size or rupture. 	
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Component to be inspected and procedure	Medium-frequency
<p>motor</p> <p>The motors used o the AHUs were studied in order to have a long lifecycle, if functioning in normal conditions.</p> <p>The motor should be kept clean. The deposition of the dust between the cooling fins is the cause of heating and causes motor breakdowns. You should clean the motor in order to avoid faults.</p>	Quarterly
<p>It is advisable to check the connections of the wire clamp box to verify the correct tightening of nuts and bolts and the condition connection cables.</p>	Annually

10.4.5 - Heat recovery sections

Component to be inspected and procedure	Medium-frequency
<p>Recovery plates</p> <p>See the manual of the recovery plate's supplier.</p>	See suppliers information
<p>Rotary recovery</p> <p>See the manual of the rotary recovery supplier.</p>	See suppliers information

10.4.6 – Diverse verifications

<p>Verify the conditions of the electric cables. Tight all the screws again.</p> <p>Verify if the vibration dampers supporters, the panels and the inspection doors do not have leaks.</p> <p>Verify if there are water leaks in the deposits and secondary distribution</p> <p>Check all screwed connections, nuts, phalanges and water connections that can become loosen because of the vibrations.</p>	Quarterly
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10.5 – Final considerations

- The verifications done before the first start of the AHU should be repeated after long periods of inactivity. When assembling the fan again follow all procedures and instructions that are in the Installation and Commissioning chapter.

11 – Solving problems

Anomaly	Possible causes	Checking	Possible solution
Incorrect energy used by the motor	Excessive flow	Flow, static pressure and fan velocity	Diminish the velocity of the fan, increase loss of charge and close the registers
Excessive air flow	Loss of charge in the net of low conducts	Flow, static pressure and fan velocity	Diminish the velocity of the fan.
	Inspection doors open or lack of panels.	Check doors and panels	Close the doors and panels
	The filters are not in place	Verify the filters section	Place the filters
Insufficient air flow	Loss of charge in the excessive distribution system	Flow, static pressure and fan speed.	Increase the fans speed according to the motor potency and maximum velocity of the fan, adjusting the variable pitch pulley.
	Dirty filters and/or obstructed coils and/or obstructed humidifier agent and/or obstructed air circuits (popes, grids, etc.)	Clean the components	Clean
	Uncorrected leveled registers	Register	Tune the register
	Faults in the fan transmission	Belts	Replace the belts
	The rotor spins in the wrong direction	Use visually the arrow of the volute	Change the electric connections of the motor
Noise	Excessive flow	Flow	Reduce flow
	Wear or rupture of the bearings	Bearings, conditions of the fan and bearings; check the tension of the transmission belts; too tight belts can cause this problem.	Replace bearings and damaged pieces
	Unbalanced fan	Vibrations on the	Replace fan

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		base	
	Magnetic howl of the motor	Net tension	Restore the correct net tension
	Strange material in the volute	fan	Remove the strange objects and verify the damages.
Water haul	Excessive flow	Flow	Reduce flow
	Obstructed siphon	Siphon obstruction	Clean siphon
	No siphon	Presence of the siphon	Put a siphon
Excessive wear of the belts	Sliding of the belts	Belts tension	Tight bearings
	Uneveled pulleys	Flatness of the pulleys	Level pulleys
Desired Exit temperature not reached	Excessive air flow	Air flow	Reduce flow
	Entry air temperature not checked	Check air entry temperature	Increase circulation
	Presence of air in the coil	Purge	Purger
	Insufficient water flow	Water flow	Increase flow
	Insufficient air temperature	Water entry temperature	Increase temperature
The register won't open	Locked	Register gear	Repair the gears and remove strange objects
		Register box outside the miter	Adjust the registers box in order to put in miter again.
		Register axis	Fix the axis to the register blades with nut or tightening screw.

Remark: as the AHU are always part of the HVAC system, many problems can depend on the system and not on the AHU.

12 – Accessories

A Sandometal AHU is presented as shown in chapter 3 **description and main characteristics**. The optional accessories are the following:

- Lights
- Inspection display
- Safety switchers (micro-switchers on the doors)
- Lock

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- Differential manometer
- Differential pressure switch
- Manual regulation of the register
- Exterior anti-rain grid (for AHU that will be installed in the exterior)
- Inclemency covers
- Frequency converter
- Electric board
- Sandometal control

The AHU are conceived to function in all kinds of installations, low, high or medium dimensions, industrial, public, commercial or private buildings, since they possess the conditions listed in the chapter **installation and commissioning**.

13 – Spare parts

- If any piece has to be replaced, please contact our after-sales services

13.1 – Replacement pieces

Next we present a list of all pieces that need to be replaced according to the period of functioning.

Description of the replacement pieces	Set ×1 year	Set ×3 year	Set ×5 year
Belts (for each fan)	1	3	5
Pre-filter cell <G4	6	12	24
Bag filter till F9	6	12	30
Absolute filter till H14	6	12	30
Carbon filter	2	6	10
Evaporative panel coated with cellulose	0	1	2
Evaporative panel coated with PVC	0	1	2
Evaporative panel coated with fiberglass	1	1	1
Motor bearings	1	1	2
fan bearings	1	1	2
Humidification pump	1	1	1
Pressure switch	1	1	1
Pressure indicator	1	1	2

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Remark: the pieces above refer to normal project conditions.

14 – Dismantlement

Attention: the recollect symbol of the different European countries is on the tag of the machines characteristics, indicating that the product should be recollect separately.

This product was conceived to be recollect separately in an appropriate recollection area. Don't treat it as domestic waist.

In the end of its lifecycle, the AHU should be dismantled as the rules in standard.

In the construction of the AHU the following materials were used: galvanized plate and/or plastic coated and/or pre-coated and/or steel; aluminum; copper; polyurethane and/or mineral wool; plastic; PVC.

Besides the structural components an AHU has also electric or electronic components, and so must be taken into consideration the Law-decree 174/2005, considering the electric or electronic equipment waste.

When deactivate the AHU consider the law-decree 174/2005 considering the electric or electronic equipment waste.

Remark: to obtain more information contact the seller or the local authorities responsible for the waste management.

Remark: some technical or commercial considerations can have reflections on the alterations of some dimensions, performance or any other technical aspect of the machine. Sandometal reserves the right to do those alterations without previous notice.



Scottish Hospitals Inquiry

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