## 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 Febraury comments in amber

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

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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 by 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		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	
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
	·	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
	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.		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.	×	×	1
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.	✓	×	1
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.	No action required	×	×	1
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.	No action required	×	×	✓
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.	Now updated	×	×	1
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	×	×	1
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	1
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.	No action required	×	x	1
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	×	×	1
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.	No action required	×	×	1



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	×	×	1
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	×	×	1
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	×	×	1



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	×	×	1
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	×	×	<b>√</b>
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	×	×	<b>√</b>
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.	/	×	/
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	/
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	×	×	1



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NHSL Reference	NHSL Comment	Response	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	×	×	V
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	×	×	1
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	×	×	/
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 awaiting instruction to update drawings.	1	×	/
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.	1	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.	1	×	/
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.		×	/
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 awaiting instruction to update drawings.		×	/
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	×	×	✓

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	×	×	✓

## 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
- 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.

"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

- 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

HDU bed areas - Design Criteria - HBN 57 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-P1-032 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 operati

- 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 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.

- sion 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.
- 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 26 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.	Deptartment	Room Name G	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 Safety temp Notes	Normal	Night	Local	Standby	Colour render Contro	Plane
G-A1-002		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 Automa Control	Floor 0m
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	А	80 Automa Control	Floor 0m
G-A1-004		Processing Room	1 10.0	Diagnostic room	25	18	Warm Air - Reheat Battery	BMS Adjustable Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	F7	43	41	300	n/a	1000	А	80 Switch	General working plane 1m
G-A1-005		Changing Cubicles	1 4.0	Changing Facilities	28	18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	6	10	Negative to	G4	43	41	100	n/a	None	А	80 Automa Control	Floor 0m
G-A1-006		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	А	80 Switch	General working plane 1m
G-A1-007		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	А	80 Automa Control	Floor 0m
G-A1-008		Washdown Room	1 16.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-009		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	А	80 Automa Control	Floor 0m
G-A1-010		Laboratory - Near Patient Testing / Status	1 8.0	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	А	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	None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-012		Treatment Room 5: Dual Access	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	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	90 Switch	Bed / Trolley 1.45m
G-A1-016		Staff & Communication Base	1 16.0	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	А	80 Automa Control	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	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-018		Treatment Room 7: Dual Access	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	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	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	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	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	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-025		Treatment Room 14: Dual Access	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	А	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	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-028		Resuscitation Room: 2 places	1 50.0	Resusitation Bay	25	18	Radiant Panels	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and General Extract	10	6	Positive	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-029		Resuscitation Room: 2 places	1 50.0	Resusitation Bay	25	18	Radiant Panels	None	Yes	Ceiling Cassette - Chilled Water	Central Supply and General Extract	10	6	Positive	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-030		IPS Room	1 1.1	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	А	80 Automa Control	Floor 0m
G-A1-031		Body Viewing Room	1 10.0	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	А	80 Switch Dimme	Floor 0m
G-A1-032		Sitting Room	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	А	80 Switch	Floor 0m
G-A1-033		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	А	80 Automa Control	Floor 0m
G-A1-034		Store - Major Incident / Ambulance 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	А	80 Automa Control	Floor 0m
G-A1-035	A1 Emergency Department	Triage Room	1 16.0	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	А	80 Switch	Bed / Trolley 1.45m
G-A1-036		Reception:2 staff	1 16.0	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	А	80 Automa Control	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	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
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	None	None	0	0	Balanced	None	n/a	n/a	200	n/a	None	А	80 Automa Control	FIOOT Offi
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	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
G-A1-040		Store - Equipment & 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	А	80 Automa Control	Floor 0m
G-A1-041		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	А	80 Automa Control	Floor Um
G-A1-042		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	А	80 Automa Control	Floor 0m
G-A1-043		Female Staff Changing and Lockers: 30 places	1 16.0	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	А	80 Automa Control	Floor 0m
G-A1-044		Staff Shower: ambulant	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	А	80 Automa Control	Floor 0m
G-A1-045		Waiting Area inc Play Area	1 63.0	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	А	80 Switch	Floor 0m
G-A1-046		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	Α	80 Automa Control	Floor 0m
G-A1-047		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	А	80 Automa Control	Floor 0m
G-A1-048		Male Staff Changing Room and Lockers: 20 places	1 11.5	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	А	80 Automa Control	Floor 0m
G-A1-049		Staff Shower: ambulant	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	А	80 Automa Control	Floor 0m
G-A1-050		Consultant Office (6 person)	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	А	80 Automa Control	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	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	80 Automa Control	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	Ceiling Cassette - Chilled Water	Central Supply and Extract	6 people at 10 l/s per person (9ach)	6 people at 10 l/s per person (9ach)	Negative	G4	43	n/a	300	n/a	None	А	80 Automa Control	Desk 0.75 to 0.85m
G-A1-054		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	А	80 switch	Floor 0m
G-A1-055		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	А	80 Automa Control	Floor 0m
G-A1-056		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	А	80 Automa Control	Floor 0m

Room No.	Deptartment	Room Name Q	ty 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 Safety temp Notes	Normal lux	Night lux	Local lux		Colour	Control	Plane
G-A1-057		Medical Staff / Audit / Secy Office (3 Person)	1 17.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adi.	Yes	Ceiling Cassette - Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	80 A	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	А	80 A	Automatic	Floor 0m
G-A1-059		Store - Stock & Sterile Supplies	1 18.0	Storage Area Equipment	28	16	Radiant Panels	Remote Sensor	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 A	Automatic Controls	Floor 0m
G-A1-060		Treatment Room 3: Single Access	1 14.0	Treatment Room	25	18	Radiant Panels	Remote Sensor	Yes	Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	90	Switch	Bed / Trolley 1.45m
G-A1-061		Treatment Room 4: Single Access	1 14.0	Treatment Room	25	18	Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	90	Switch	Bed / Trolley 1.45m
G-A1-062		Treatment Room 2: Single Access	1 14.0	Treatment Room	25	18	Radiant Panels	Remote Sensor	Yes	Chilled Water Ceiling Cassette - Chilled Water	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	90	Switch	Bed / Trolley 1.45m
G-A1-063		Pantry - Staff / Patient	1 5.0	Pantry	28	18	Radiant Panels	Remote Sensor	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	25	18	Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	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	No	Chilled Water None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80 A	Automatic	Floor 0m
G-A1-066		Plaster Suite (2 bays)	1 24.0	Consulting Room	25	18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	3	3	Balanced	G4	43	41	300	n/a	1000	A		Switch	Bed / Trolley 1.45m
G-A1-067		WC - Wheelchair accessible	1 4.5	Toilet	28	18	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		utomatic	Floor 0m
G-A2-002		Single Bedroom 15 (RHSC)	1 17.0	Bedroom	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Switch /	Bed / Trolley 1.45m
G-A2-003		En-suite wheelchair-accessible WC,	4 4.5	Bathroom	28	20	Adjacent Space	Adj. None	No	Chilled Water None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		Dimmer automatic	Floor 0m
G-A2-004		Shower & wash Single Bedroom 19 (RHSC)	1 17.0	Bedroom	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A		Controls Switch /	Bed / Trolley 1.45m
G-A2-005		En-suite wheelchair-accessible WC,	1 4.5	Bathroom	28	20	Adjacent Space	Adj. None	No	Chilled Water None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		Dimmer Automatic	Floor 0m
		Shower & wash	1 17.0	Bedroom	28	18	Transfer Air  Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -		4	via ensuite		G4		41	100	riva E	300	A		Controls Switch /	Bed / Trolley 1.45m
G-A2-006		Single Bedroom 16 (RHSC)  En-suite wheelchair-accessible WC,	1 4.5				Adjacent Space	Adj.	No.	Chilled Water	Natural & Central Supply Air		via erisuite	Balanced	1	43			-/-		A	Δ	Dimmer automatic	·
G-A2-007		Shower & wash		Bathroom	28	20	Transfer Air	None Remote Sensor		None Ceiling Cassette -	Central Dirty Extract	0		Negative	None	43	41	200	n/a	None	+	80 A	Controls	Floor 0m
G-A2-008		Reception/Staff Base	1 6.0	Reception	28	18	Radiant Panels	Adj. Remote Sensor	Yes	Chilled Water Ceiling Cassette -	Central Supply Air	4	4	Balanced	G4	43	n/a	300	n/a	None	A	80	Controls Switch /	Desk 0.75 to 0.85m
G-A2-009		Single Bedroom 20 (RHSC)  En-suite wheelchair-accessible WC,	1 17.0	Bedroom	28	18	Radiant Panels  Adjacent Space	Adj.	Yes	Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	Δ	Dimmer	Bed / Trolley 1.45m
G-A2-010		Shower & wash	1 4.5	Bathroom	28	20	Transfer Air	None Remote Sensor	No	None	Central Dirty Extract	0 2 people at 10l/s/per	10 2 people at 10l/s/per person	Negative	None	43	41	200	n/a	None	A	80	Controls Switch /	Floor 0m
G-A2-011		Touchdown Base 4	4 2.0	staff base	28	18	Radiant Panels	Adj. Remote Sensor	No	None Ceiling Cassette -	Central Supply and Extract	person (16ach)	(16ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	A	80	Dimmer Switch /	Desk 0.75 to 0.85m
G-A2-012		Single Bedroom 17 (RHSC)  En-suite wheelchair-accessible WC.	1 17.0	Bedroom	28	18	Radiant Panels  Adjacent Space	Adj.	Yes	Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Dimmer	Bed / Trolley 1.45m
G-A2-013		Shower & wash	1 4.5	Bathroom	28	20	Transfer Air	None Remote Sensor	No	None Ceiling Cassette -	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Controls Switch /	Floor 0m
G-A2-014		Single Bedroom 21 (RHSC)  En-suite wheelchair-accessible WC,	1 17.0	Bedroom	28	18	Radiant Panels  Adjacent Space	Adj.	Yes	Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	80	Dimmer	Bed / Trolley 1.45m
G-A2-015		Shower & wash	1 4.5	Bathroom	28	20	Transfer Air	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80	Controls	Floor 0m
G-A2-016		Resuscitation Trolley Bay	1 1.0	Resus Trolley bay	28	16	Adjacent Space Transfer Air	None Romato Canana	No	None Comfort Cooled	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80	Controls Switch /	Floor 0m
G-A2-017		Single Bedroom 18 (RHSC)  En-suite wheelchair-accessible WC,	1 17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adj.	Yes	Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	А		Dimmer	Bed / Trolley 1.45m
G-A2-018		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	А	80	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	А		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	А	80 A	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	А	80	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	А	80	ontrols	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 A	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 A	Automatic Controls	Floor 0m
G-A2-025		Linen 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	А	80 A	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 10l/s/per person (11ach)	2 people at 10l/s/per person (11ach)	Balanced	G4	n/a	n/a	200/300	n/a	None	А		Switch / Dimmer	Desk 0.75 to 0.85m
G-A2-027		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	А	80 A	ontrols	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	А		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	А	80 A	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	А	80 A	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	А	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	А	80 A	utomatic 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	А		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	А		Automatic Controls	Floor 0m
G-A2-035		Single Bedroom 12 (RHSC)	1 17.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adi.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	А	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 None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	А		Automatic Controls	Floor 0m
G-A2-037		Single Bedroom 11 (RHSC)	1 17.0	Bedroom	28	18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	А		Switch / Dimmer	Bed / Trolley 1.45m
G-A2-038		En-suite wheelchair-accessible WC,	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	А		Automatic Controls	Floor 0m
G-A2-039		Shower & wash Treatment Room	1 16.0	Treatment Room	25	18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled Fresh Air	Central Supply Air	10	0	Positive	F7	43	41	500	n/a	1000	А	90	Switch	Bed / Trolley 1.45m
G-A2-040		Dining / Play Room	1 30.0	Common room/staff room/lounge	28	18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	6	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	Adj. None	Yes	Fresh Air Ceiling Cassette -	Central General Extract	0	6	Negative	G4	n/a	60	500	n/a	None	A			General working plane 1m
G-A2-042	Paediatric Acute	Single Bedroom 10 (RHSC)	1 17.0	Bedroom	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Chilled Water Comfort Cooled	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A	90	Switch /	Bed / Trolley 1.45m
	12 Receiving Unit - 34	3						Adj.		Fresh Air	Cappy, in	<u> </u>					<u> </u>		-		1 1		Dimmer	

Part	Room No.	Deptartment		Room Name Q	ty SOA	Room Function	Temp (max)	Temp (min)	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative	Min filtration	Surface	Water Safety	Normal lux	Night lux	Local		colour ender Contro	Plane
Part	G-A2-043	Beds	m - 54		1 4.5	Bathroom	(,	20	Adjacent Space	001111.01	(р. осоле)	(-) [)	(-) []	(46/11)	, ,	p.cccc			tomp itetee	- IUA	- IUX	iux	grado .	Automa	Floor 0m
Property of the Property of					1 17.0					Remote Sensor	Yes	Comfort Cooled		4	via ensuite				41		5	300	A	80 Switch	
Part				En-suite wheelchair-accessible WC,	1 4.5			20	Adjacent Space					0					41	200	n/a		A	Automa	
Part					1 58.5	Multi-bed Wards	28			Remote Sensor	Yes		Natural and Central Supply Air	4	via ensuite	positive to		43	41	100	5	300	А	80 Switch	Bed / Trolley 1.45m
Part	G-A2-047			WC Accessible	1 4.5	Toilet	28	18			No		Central Dirty Extract	0	10		None	43	41	200	n/a	None	А	80	Floor 0m
Part					1 6.0	Bathroom	28	20	Adjacent Space	None	No	None	Central Dirty Extract	0	10		None	43	41	200	n/a	None	А	Automa	Floor 0m
Part					1 2.0	staff base				Remote Sensor	No	None	-						n/a		n/a	None	А	Switch	
Part				Single Bedroom 8 (RHSC)	1 17.0	Bedroom		18	Radiant Panels	Remote Sensor	Yes		*** *	person (15 acn)	, ,	Balanced	G4	43	41		5	300	А	80 Switch	
Professor   Prof	-			En-suite wheelchair-accessible WC,	1 4.5	Bathroom		20		· ·	No			0			None	43	41	200	n/a	None	А	Automa	
Part					1 17.0				774110101741	Remote Sensor	Yes	Ceiling Cassette -							41				A	Switch	
Part				En-suite wheelchair-accessible WC,	1 4.5	Bathroom			Adjacent Space					0					41		n/a		A	Dimme	•
Part	-									Remote Sensor	Yes	Ceiling Cassette -	•	4		positive to			41		5		A	80 switch	
Part				En-suite wheelchair-accessible WC,	-				Adjacent Space					0					-		n/a			80 Automa	
Page					1 4.5				Adjacent Space		No		-	0									A	Control	_
Part					1 17.0					Remote Sensor	Yes	Comfort Cooled	-								5		A	Switch	
Part	-									,											n/a		-	Dimme	
Part										Remote Sensor		Comfort Cooled	-	-					-		5			Switch	
Process										,.				0					<del> </del>		n/a		-	Automa	•
Second													-	0	·		+						1	Automa	
Part	-				-									0	·				<del>                                     </del>				1	Control	
Section of the content of the cont					1 1.5					riaj.														Automa	
Part					1 6.0					, .aj.						_					n/a		-	Control	
Second										Adj.		Fresh Air									5		-	Dimme	
Part				Shower & wash	-				Transfer Air				-	-							n/a			Switch	
Second Column   Second Colum				- ' '						Adj.		Fresh Air							-		5		-	Automa	•
Color   Colo				Shower & wash	1 4.5				Transfer Air				,	·									-	Switch	
Part	-				1 2.0					Adj.			***	person (8ach)	(8ach)								-	80 Dimme	
Part						Bedroom						Fresh Air		4			+						A	80 Dimme	
Part				Shower & wash	1 4.5				Transfer Air				-	0							n/a		1	80 Control	
State   Stat	-			, ,	1 17.0	Bedroom					Yes		Natural & Central Supply Air	10		Balanced	G4				5	300		Dimme Automa	
Control   Cont					-	Bathroom			Transfer Air				Central Dirty Extract	0							n/a		-	Control	_
All				Isolation Bedroom Entrance Lobby	1 4.0	Isolation Lobby	28	18		Adjustable	Yes		Central Supply	46	0	Positive	F7	43	n/a		n/a	None	А	80 Control	Floor 0m
Part	A&B									Adj.	No			0							n/a		А	Control	_
March Confession Con	-			Patients' Assisted Bathroom	1 14.0	Bathroom	28	20			No		Central Dirty Extract	0	10	Negative		43	41	200	n/a	None	Α	Control	Floor 0m
Color   Colo	G-A2-077			Multi-Disciplinary Office	1 26.0	Multi Disciplinary Work Areas	28	18		Adj.	Yes	Chilled Water	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	None	Α	80	Desk 0.75 to 0.85m
Part	G-A2-078				1 9.0	Cellular / Ward Offices	28	18	Radiant Panels	Adj.	Yes	Chilled Water	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	Control	Desk 0.75 to 0.85m
Control   Cont	G-A2-079				1 10.0	Cellular / Ward Offices	28	18			Yes		Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	80 Control	Desk 0.75 to 0.85m
Part	G-A2-080				1 8.0	DSR	28	18			No		Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	А	80 Control	Floor 0m
Coloration   Col	G-A2-081				1 10.0	Cellular / Ward Offices	28	18			Yes		Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	80 Control	Desk 0.75 to 0.85m
Control   Cont	G-A2-082			Disposal Hold	1 10.0	Disposal Hold	28	16			No		Central Dirty Extract			Negative	None	43	n/a	200	n/a	None	А	80 Dimme	Floor 0m
Composition   Control	G-A2-083			Patient Interview Room	1 9.0	Meeting Room	25	18			Yes		Central Supply and Extract			Balanced	G4	43	n/a	300	n/a	None	Α	80 Control	Desk 0.75 to 0.85m
PABLIF Energency   PABLIF Ener	G-A2-084			Dirty Utility	1 14.0	Dirty utility	28	18			No		Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	А	80 Automa Control	Floor 0m
GAS-902   A3   Radiology Shared Support   Su	G-A3-001	PARU / Emer	gency /	Staff Room	1 80.0	Common room/staff room/lounge	28	18	Radiant Panels	Adj.	Yes	Fresh Air	Central Supply and Extract			Negative	G4	43	41	300	n/a	None	Α	80 Switch	Floor 0m
CA3-003   Meeting / Case Conference Room   1   32.0   Meeting Room   25   18   Radiant Panels   Remote Sensor   Yes   Celling Cassetter   Central Supply and Extract   Central Supply and Ex	G-A3-002	A3 Radiology S	hared	Seminar & Training Room	1 32.0	Meeting Room	25	18	Radiant Panels	Adj.	Yes	Chilled Water	Central Supply and Extract	person (9ach)	(9ach)	Balanced	G4	43	n/a	300	n/a	None	А	80 Automa Control	Desk 0.75 to 0.85m
February	G-A3-003			Meeting / Case Conference Room	1 32.0	Meeting Room	25	18	Radiant Panels	Adj.	Yes		Central Supply and Extract			Balanced	G4	43	n/a	300	n/a	None	А	80 Automa Control	Desk 0.75 to 0.85m
Sam Room   1   320   Common footn/staft room/lounge   28   18   Radiant Panels   Adj.   7es   Fresh Air   Central Supply and Extract   5   8   Negative   G4   43   41   300   n/a   None   A   80   Switch   Floor Om	1-B1-002			Retrieval Equipment Store	1 14.0	Storage Area Equipment	28	16	Radiant Panels	Adj.	No		Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 Automa Control	Floor 0m
1-91-004   Senior Nursing Office   1   10.0   Cellular / Ward Offices   28   18   Radiant Panels   Adj.   Yes   Chilled Water   Central Supply and extract   4   3   Positive   G4   43   n/a   400   n/a   None   A   80   Controls   Desk 0.75 to 0.85 m	1-B1-003			Staff Room	1 32.0	Common room/staff room/lounge	28	18	Radiant Panels	Adj.	Yes	Fresh Air	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	А		Floor 0m
1-B1-005   WC - Staff   1   3.0   Toilet   28   18   Transfer Air   None   No   None   Central Dirty Extract   0   10   Negative   None   43   41   200   n/a   None   A   80   Controls   Floor Om    -B1-006   WC - Staff   1   3.0   Toilet   28   18   Adjacent Space   None   No   None   Central Dirty Extract   0   10   Negative   None   43   41   200   n/a   None   A   80   Automatic   Transfer Air   Floor Om    -B1-007   Equipment Service Room   1   24.0   Small Workshop   28   18   Radiant Panels   Remote Sensor   Adj.   Fresh Air   Small Surply and Extract   4   6   Negative   G4   43   41   300   n/a   None   A   80   Switch   Desk 0.75 to 0.85m    -B1-008   IPS Room   1   3.0   IPS Room   Manufacturer   Dependant   Dependa	1-B1-004			Senior Nursing Office	1 10.0	Cellular / Ward Offices	28	18	Radiant Panels		Yes		Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80	Desk 0.75 to 0.85m
1   3.0   10lect   26   10   Transfer Air   Note   No   Note   Note   No   No   Note   No   No   Note   No   No   Note   No   No   No   No   No   No   No   N	1-B1-005			WC - Staff	1 3.0	Toilet	28	18		None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	А	80 Automa Control	Floor 0m
1-B1-007 Equipment Service Room 1 24.0 Small workshop 28 16 Radiant Parties Adj. 1-B1 08 Parties Parti	1-B1-006			WC - Staff	1 3.0	Toilet	28	18		None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	А	80 Automa Control	Floor 0m
1-51-008 Plan Ray (4 bods) 1 104.0 Multi-bod Wards 29 19 Padicat Papels Remote Sensor Vas Comfort Cooled Natural and Control Supply Air A Vas Control Supply Air A Va	1-B1-007			Equipment Service Room	1 24.0	Small Workshop	28	18	Radiant Panels		Yes		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 009 Chan Plan Pay (4 bods) 1 104 0 Multi-bed Wards 29 19 Paylingt Payals Remote Sensor Voc Comfort Cooled Natural and Control Supply Air 4 via agentity Description Could Natural Air 4 via agentity Description Could Natural Air 4 via agentity Descrip	1-B1-008			IPS Room	3.0	IPS Room			None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a 0	200	n/a	None	A	80 Automa Control	Floor 0m
	1-B1-009			Open Plan Bay (4 beds)	1 104.0	Multi-bed Wards			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		Bed / Trolley 1.45m

Room No.	Deptartment	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	Min filtration	Surface temp	Water Safety	Normal	Night	Local		olour Contro	Plane
1-B1-010	1	Gas Cylinder Store	1 2.0	Storage Area Med Gas	28	16	Frost protection	Room	No	None	Central General Extract	0	7	n/a	None	n/a	n/a	200	n/a	None	A	80 Automat	Floor 0m
1-B1-011		Multidisciplinary Work Area PICU	1 15.0	Multi Disciplinary Work Areas	28	18	Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	1000	A	80 Automat	Desk 0.75 to 0.85m
1-B1-012		Staff Base	1 12.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adi.	Yes	Chilled Water Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	80 Automat	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	А	80 Automat	C 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	To match total bedroom air	Positive	F7	43	n/a	200	n/a	None	А	80 Automat	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	А	80 Switch	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	А	80 Switch	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	А	80 Automat	Floor 0m
1-B1-019		Single Bed Cubicle	1 26.0	Bedroom	28	18	Radiant Panels	Remote Sensor	Yes	Ceiling Cassette - Chilled Water	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	А	80 Switch	Bed / Trolley 1.45m
1-B1-020		Single Bed Cubicle	1 26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adi.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	А	80 Switch	Bed / Trolley 1.45m
1-B1-021		Single Bed Cubicle	1 26.0	Bedroom	28	18	Radiant Panels	Remote Sensor Adi.	Yes	Comfort Cooled Fresh Air	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	А	80 Switch	Bed / Trolley 1.45m
1-B1-023		Staff Base	1 4.0	Cellular / Ward Offices	28	18	Radiant Panels	Remote Sensor Adi.	Yes	Comfort Cooled Fresh Air	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	А	80 Automat	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	А	80 Automat	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	А	80 Automat	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	А	80 Switch Dimme	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	А	80 Automat	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	А	80 Automat	Floor 0m
1-B1-029		Dirty Utility	1 19.0	Dirty utility	28	18	Adjacent Space Transfer Air	None	No	None	Central Dirty Extract	0	6	Negative	None	43	41	200	n/a	None	А	80 Automat	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	А	80 Automat	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	via ensuite	positive to ensuite	G4	43	41	100	5	300	А	80 switch dimme	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	А	80 Automat Control	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	А	80 Automat Control	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	А	80 Automat	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	А	80 Automat Control	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	А	80 Switch Dimme	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	via ensuite	Balanced	G4	43	41	100	5	300	А	80 Switch Dimme	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	А	80 Automat Control	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	А	80 Automat Control	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	6	0	Positive	G4	43	41	150	n/a	None	А	80 Automat	General working plane 1m
1-B1-042 <b>E</b>	PICU and HDU's - 24 Beds	Multidisciplinary Work Area HDU	1 15.0	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	1000	А	80 Automat	Desk 0.75 to 0.85m
1-B1-043		Laboratory	1 10.0	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	А	80 Switch	Desk 0.75 to 0.85m
1-B1-044		IPS Room	1 2.0	IPS Room	Manufacturer Dependant		None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a 0	200	n/a	None	А	80 Automat	Floor 0m
1-B1-045		Quiet / 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	А	80 Automat Control	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	А	80 Automat	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	5 people at 10 l/s per person (5ach)	5 people at 10 l/s per person (5ach)	Balanced	G4	43	n/a	300	n/a	None	А	80 Automat	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	А	80 Automat	Desk 0.75 to 0.85m
1-B1-049		Retrieval 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	А	80 Automat	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	А	80 Automat	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	А	80 Automat	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	А	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	А	80 Automat	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	А	80 Switch Dimme	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	А	80 Control	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	А	80 Automat	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	19 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	А	80 Automat	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	А	80 Automat	Floor 0m
1-B1-062		WC - Staff	1 3.0	Toilet	28	18	Adjacent Space Transfer Air	None Remote Sensor	No	None	Central Dirty Extract	0	10	Negative to	None	43	41	200	n/a	None	А	80 Automat	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	via ensuite	positive to ensuite	G4	43	41	100	5	300	А	80 switch dimme	Bed / Trolley 1.45m
1-B1-064		Dirty Utility	1 14.0	Dirty utility	28	18	Adjacent Space Transfer Air	None Pomoto Sonsor	No	None Comfort Cooled	Central Dirty Extract	0	6	Negative to	None	43	41	200	n/a	None	A	80 Automati	Floor Um
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	via ensuite	positive to ensuite	G4	43	41	100	5	300	A	80 switch dimme	Bed / Trolley 1.45m
1-B1-066		Clean Utility (Neo-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 Automati	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	6	n/a	None	n/a	n/a	200	n/a	None	А	80 Control	Floor 0m

Room No.	Deptartment	Room Name C	ty SOA	Room Function	Temp (max)	Temp	Heating Type	Heating Control	Cooling (present)	Cooling (type)	Ventilation (type)	Supply (ac/hr)	Extract (ac/hr)	Relative pressure	Min filtration	Surface temp	Water Safety	Normal	Night	Local	Standby	Colour	Control	Plane
1-B1-068		Baby Infant / Feeding Room	1 5.0	Baby Feeding	(max) 28	(min) 18	Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	(type) Central Supply Air	( <b>ac/nr</b> )	(ac/nr)	Positive	G4	43	41	100	n/a	None	grade	80 A	utomatic	Floor 0m
1-B1-069		Staff Base	1 6.0	Cellular / Ward Offices	28	18	Radiant Panels	Adj. Remote Sensor	Yes	Chilled Water Comfort Cooled	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A		Controls	Desk 0.75 to 0.85m
1-B1-071		Resuscitation Trolley Bay	1 1.0	Circulation Equipment Storage Bays	28	16	Adjacent Space	Adj. None	No	Fresh Air None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A		Controls	Floor 0m
1-B1-072		Play Specialist Base & Store	1 8.0	Storage Area Equipment	28	16	Transfer Air Radiant Panels	Remote Sensor	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	А	80 A	utomatic	Floor 0m
1-B1-073		Pantry / Milk Store	1 10.0	Pantry	28	18	Radiant Panels	Adj. Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	А	80	Controls Switch	Floor 0m
1-B1-074		En-suite wheelchair-accessible WC,	1 4.5	Bathroom	28	20	Adjacent Space Transfer Air	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	А	80 A	utomatic	Floor 0m
1-B1-075		Shower & wash Single Cot Cubicle	1 26.0	Bedroom	28	18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5	300	A		Switch /	Bed / Trolley 1.45m
1-B1-077		DSR	1 8.0	DSR	28	18	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	А	80 A	Dimmer	Floor 0m
1-B1-078		Relative Overnight Stay Room	1 10.0	Relatives Overnight Stay	28	20	Transfer Air Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	4	0	Positive	G4	43	41	100	n/a	None	A	,	Switch	Bed / Trolley 1.45m
1-B1-079		En-suite wheelchair-accessible WC,	1 6.0	Bathroom	28	20	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		utomatic	Floor 0m
1-B1-080		Shower & wash WC - Relatives	1 3.0	Toilet	28	18	Transfer Air Adjacent Space	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		Controls	Floor 0m
1-B1-082		Relative Overnight Stay Room	1 10.0	Relatives Overnight Stay	28	20	Transfer Air Radiant Panels	Remote Sensor	Yes	Comfort Cooled	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,	1 4.5	Bathroom	28	20	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		utomatic	Floor 0m
1-B1-084		Shower & wash  Relatives' Sitting Room	1 18.5	Common room/staff room/lounge	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Ceiling Cassette -	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A		Switch	Floor 0m
1-B1-090		Equipment Cleaning	1 7.8	DSR	28	18	Adjacent Space	Adj. None	No	Chilled Water None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A		utomatic	Floor 0m
3-C1.1-002		IPS Room	1 1.8	IPS Room	Manufacturer	Manufacturer	Transfer Air None	None	No	None	Central General Extract	0	3	Negative	None	43	n/a 0	200	n/a	None	A	80 A	Controls	Floor 0m
3-C1.1-003		Ward Management Office	1 9.0	Cellular / Ward Offices	Dependant 28	Dependant 18	Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	4	3	Positive	G4	43	n/a	400	n/a	None	A	80 A	Controls	Desk 0.75 to 0.85m
3-C1.1-004		Single Isolation Bedroom (RHSC)	1 19.0	Isolation Bedroom	28	21	Adjacent Space	Adj. BMS Adjustable	Yes	Fresh Air Comfort Cooled	Supply via lobby	10	0	Balanced	F7	43	41	100	5	300	A	80	Switch /	Bed / Trolley 1.45m
3-C1.1-005		En-suite trolley shower	1 8.5	Bathroom	28	20	Transfer Air Adjacent Space	Sensor None	No	Fresh Air None	Central Dirty Extract	0	26	Negative	None	43	41	200	n/a	None	A	80 A	Dimmer automatic	Floor 0m
3-C1.1-006		Isolation Bedroom Entrance Lobby	1 4.0	Isolation Lobby	28	18	Transfer Air Warm Air - Reheat	Local / BMS	Yes	Comfort Cooled	Central Supply	48	0	Positive	F7	43	n/a	200	n/a	None	A		Controls	Floor 0m
3-C1.1-000		Hoist Bay	1 3.0	Circulation Equipment Storage Bays	28	16	Battery Adjacent Space	Adjustable None	No	Fresh Air None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A		Controls automatic	Floor 0m
3-C1.1-008		Sitting Room / Lounge	1 16.0	Common room/staff room/lounge	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	6	8	Negative	G4	43	41	300	n/a	None	A		Controls Switch	Floor 0m
3-C1.1-009		Single Bedroom (RHSC)	1 19.0	Bedroom	28	18	Radiant Panels	Adj. Remote Sensor	Yes	Fresh Air Comfort Cooled	Natural & Central Supply Air	4	via ensuite	Balanced	G4	43	41	100	5 F	300	A		Switch /	Bed / Trolley 1.45m
3-C1.1-009		En-suite trolley shower	1 8.5	Bathroom	28	20	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		Dimmer automatic	Floor 0m
3-C1.1-010		Touchdown Base	1 2.0	staff base	28	18	Transfer Air Radiant Panels	Remote Sensor	No	None	Central Supply and Extract	1 person at 10l/s/per	1 person at 10l/s/per person	Balanced	G4	n/a	n/a	200/300	n/a	None	A		Controls Switch /	Desk 0.75 to 0.85m
-			1 1.0				Adjacent Space	Adj.	No	None		person (8ach)	(8ach) 3					200/300	n/a	None	A	80 A	Dimmer automatic	Floor 0m
3-C1.1-012 3-C1.1-013		Resuscitation Trolley Bay Single Bedroom (RHSC)	1 19.0	Resus Trolley bay	28	16	Transfer Air Radiant Panels	None Remote Sensor	Yes	Comfort Cooled	Central General Extract	4		Negative	None G4	43	n/a 41	100	11/a	300	A		Controls Switch /	Bed / Trolley 1.45m
3-C1.1-013			1 8.5	Bedroom			Adjacent Space	Adj.	No	Fresh Air None	Natural & Central Supply Air  Central Dirty Extract	0	via ensuite	Balanced	None None	43	41	200	n/a	None	A	80 A	Dimmer automatic	Floor 0m
3-C1.1-014		En-suite trolley shower  Single Bedroom (RHSC)	1 19.0	Bedroom	28	20	Transfer Air Radiant Panels	None Remote Sensor	Yes	Comfort Cooled	Natural & Central Supply Air	4	via ensuite	Negative Balanced	G4	43	41	100	- II/a	300	^	(	Controls Switch /	Bed / Trolley 1.45m
3-C1.1-015		En-suite trolley shower	1 8.5	Bathroom	28	20	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		Dimmer automatic	Floor 0m
3-C1.1-017		DSR	1 8.0	DSR	28	18	Transfer Air Adjacent Space	None	No	None	Central Dirty Extract	0	6	Negative	None	43	60	100	n/a	None	A		Controls automatic	Floor 0m
3-C1.1-018		4 Bed Room	1 58.5	Multi-bed Wards	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Natural and Central Supply Air	4	via ensuite	positive to	G4	43	41	100	5	300	A	(	Controls switch /	Bed / Trolley 1.45m
3-C1.1-019			1 6.0	Bathroom	28	20	Adjacent Space	Adj. None	No	Fresh Air None	Central Dirty Extract	0	10	ensuite Negative	None	43	41	200	n/a	None	A	(	dimmer automatic	Floor 0m
3-C1.1-020		Shower & wash WC Accessible	1 4.5	Toilet	28	18	Transfer Air Adjacent Space	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A		Controls	Floor 0m
3-C1.1-021		Dining / Play Room	1 20.0	Eating/Drinking	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	8 people at 10 l/s per	8 people at 10 l/s per person	Balanced	G4	43	41	300	n/a	None	A		Controls Switch	Floor 0m
3-C1.1-022		Store - Equipment	1 10.0	Storage Area Equipment	28	16	Radiant Panels	Adj. Remote Sensor	No	Fresh Air None	Central General Extract	person (4ach)	(4ach) 3	Negative	None	43	n/a	200	n/a	None	A		utomatic	Floor 0m
3-C1.1-023		Ward kitchen	1 12.0	Ward Kitchen	28	18	Adjacent Space	Adj. None	Yes	Ceiling Cassette -	Central General Extract	0	6	Negative	G4	n/a	60	500	n/a	None	A		Switch (	General working plane 1m
3-C1.1-024		Linen Bay (1 Trolley)	1 3.0	Linen Bay	28	16	Transfer Air Adjacent Space	None	No	Chilled Water None	Central Extract	0	3	Negative	None	43	n/a	200	n/a	None	A		utomatic	Floor 0m
3-C1.1-025		Store - General	1 18.0	Storage Area Equipment	28	16	Transfer Air Radiant Panels	Remote Sensor	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A		Controls automatic	Floor 0m
3-C1.1-026		WC - Staff	1 3.0	Toilet	28	18	Adjacent Space	Adj. None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80 A	Controls automatic	Floor 0m
3-C1.1-027		WC - Staff	1 3.0	Toilet	28	18	Transfer Air Adjacent Space	None	No	None	Central Dirty Extract	0	10	Negative	None	43	41	200	n/a	None	A	80 A	Controls automatic	Floor 0m
3-C1.1-028		Disposal Hold	1 10.0	Disposal Hold	28	16	Transfer Air Adjacent Space	None	No	None	Central Dirty Extract	0	6	Negative	None	43	n/a	200	n/a	None	A		Controls automatic	Floor 0m
3-C1.1-029		Mobile X-Ray/Ultrasound Bay	1 4.0	Circulation Equipment Storage Bays	28	16	Transfer Air Adjacent Space	None	No	None	Central General Extract	0	3	Negative	None	43	n/a	200	n/a	None	A	80 A	Controls automatic	Floor 0m
3-C1.1-030		Multi-disciplinary Office	1 18.0	Multi Disciplinary Work Areas	28	18	Transfer Air Radiant Panels	Remote Sensor	Yes	Comfort Cooled	Central Supply and Extract	4	4	Balanced	G4	43	n/a	400	n/a	None	A		Controls automatic	Desk 0.75 to 0.85m
3-C1.1-030		Reception / Staff Base	1 3.0	Reception	28	18	Radiant Panels  Radiant Panels	Adj. Remote Sensor	Yes	Fresh Air Ceiling Cassette -		4	4	Balanced	G4 G4	43	n/a n/a	300	n/a n/a	None	A		Controls automatic	Desk 0.75 to 0.85m
3-C1.1-031		Isolation Bedroom Entrance Lobby	1 4.0	Isolation Lobby	28	18	Warm Air - Reheat	Adj. Local / BMS	Yes	Chilled Water Comfort Cooled	Central Supply Air  Central Supply	48	0	Positive	F7	43	n/a n/a	200	n/a n/a	None	A		Controls automatic	Floor 0m
3-C1.1-032		Single Isolation Bedroom	1 17.0	Isolation Editori	28	21	Battery Adjacent Space	Adjustable BMS Adjustable	Yes	Fresh Air Comfort Cooled		10	To match total bedroom air	Balanced	F7	43	1/a 41	100	n/a 5	300	A	80	Controls Switch /	Bed / Trolley 1.45m
-		En-suite wheelchair-accessible WC,	1 17.0				Transfer Air Adjacent Space	Sensor		Fresh Air	Supply via lobby		volume				41					Δ	Dimmer automatic	
3-C1.1-034 3-C1.1-035		Shower & wash	1 4.5	Bathroom	28	20 18	Transfer Air Warm Air - Reheat	None Local / BMS	No Yes	None Comfort Cooled	Central Dirty Extract  Central Supply	38	0	Negative Positive	None F7	43	n/a	200	n/a n/a	None	A		Controls automatic	Floor 0m Floor 0m
-	Medical Inpatients - 23 Beds	Isolation Bedroom Entrance Lobby Single Isolation Bedroom	1 17.0	Isolation Lobby  Isolation Bedroom		21	Battery Adjacent Space	Adjustable BMS Adjustable	Yes	Fresh Air Comfort Cooled		10	0	Balanced	F7	43	1/a 41	100	n/a 5	300	A		Controls Switch /	Bed / Trolley 1.45m
3-C1.1-036 3-C1.1-037		En-suite wheelchair-accessible WC,	1 4.5	Bathroom	28	20	Transfer Air Adjacent Space	Sensor None	No	Fresh Air None	Supply via lobby  Central Dirty Extract	0	41	Negative	None	43	41	200	n/a	None	A		Dimmer automatic	Floor 0m
3-C1.1-037		Shower & wash Touchdown Base	1 2.0	staff base	28	18	Transfer Air Radiant Panels	Remote Sensor	No	None	Central Supply and Extract	1 person at 10l/s/per	1 person at 10l/s/per person	Balanced	G4	n/a	n/a	200/300	n/a n/a	None	A	80	Controls Switch /	Desk 0.75 to 0.85m
J J1.1-030	I	Todolidowii Dase	. 2.0	stati pase	40	10	regiant raneis	Adj.	INU	Notice	Ochical Supply and Extract	person (8ach)	(8ach)	Dalanceu	U4	II/a	11/4	200/000	ıva	140110	^	00 [	Dimmer	263K 0.73 to 0.03III