Completion Criteria

2	-A -A	-	ltem No
DESIGN	The Design and the Works	GENERAL	Element of the Works
	The Works have been designed and the Works completed so that the Works: (a) meet the requirements of Project Co.'s Proposals (Schedule 8 part 4), (b) are in accordance with the terms of Schedule 8 Parts 3 and 4, including energy performance; and (c) satisfies the requirements of the Trust's Construction Requirements; and the obligations in subparagraph (a), (b) and (c) above are independent obligations, including all as built drawings and associated documentation.		Completion Standard
	This completion criteria shall be deemed satisfied when 2.1 – 12.4 are satisfied.		Completion Criteria
	Covered within our methodology for 2.1 – 12.4		Independent Tester's Methodology (to be completed by the IT)

	2.2	2.1	Item No
	Design Data	Design Data in Constructing the Works	Element of the Works
	Compliance with Level A RDD items or Level B 'amendments as noted' are satisfied and no Level C or D matters are outstanding.	Design Data used in constructing the Works comply with the Project Documents; in particular, that it is based on that reviewed for Clinical Functionality and/or that subsequently developed under RDD.	Completion Standard
	This completion criteria shall be deemed satisfied when 2.1 and 2.3 – 12.4 are satisfied.	This completion criteria shall be deemed satisfied when 2.2 – 12.4 are satisfied.	Completion Criteria
Otherwise covered within our methodology for 2.1 & 2.3 – 12.4	Monitor RDD progress / completion status. Within our quarterly QA auditing we will review the implementation of the Design Quality Plan, which will encompass a review of the preparation and approval of the detailed working drawing and specifications.	Covered within our methodology for 2.2 – 12.4	Independent Tester's Methodology (to be completed by the IT)

	2.4	Item No
	7	
	Departmental and Room Inter-Relationships, Access Points and Adjacencies.	Element of the Works
	Compliance with the floor layouts shown on the Drawings.	Completion Standard
In determining whether this completion criteria has been met, the Independent Tester will be required to carry out a random sample of not less than 50% of the rooms that have a 1:200 scale drawing applicable to it, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces will be tested.	The departmental and room inter relationships, access points and adjacencies in the Facility comply with the 1:200 scale drawings included in Project Co.'s Proposals.	Completion Criteria
Within this review will be incorporated a check of departmental and room interrelationships, access points and adjacencies as included in the Project Co.'s Proposals. At a later stage our review of construction compliance against 1:200 drawings will precede our detailed Room Checks.	Within our quarterly QA auditing we will review the implementation of the Design Quality Plan, which will encompass a review of the preparation and approval of the detailed working drawing and specifications.	Independent Tester's Methodology (to be completed by the IT)

2.5 9.5.m.5.70	No E
Room Design: Content, Layout, Internal Room Elevations, Ceiling Layouts, Size and Shape of all Spaces.	Element of the Works
Compliance with contents listed on Room Data Sheets and 1:50 Drawings.	Completion Standard
The content, layout, internal room elevations, ceiling layouts (where identified), size and shape of rooms in the Facility comply with the 1:50 scale drawings included in Project Co.'s Proposals as developed in accordance with the Reviewable Design Data. In determining whether this completion criteria has been met, the Independent Tester will be required to carry out a random sample of mot less than 50% of the rooms that have a 1:50 scale drawing applicable to it, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces will be	Completion Criteria
Within our quarterly QA auditing we will review the implementation of the Design Quality Plan, which will encompass a review of the preparation and approval of the 1:50 drawings for compliance with the RDD. We will conduct detailed room checks to validate compliance of the completed works with design data. We will random sample at least 50% of rooms and 100% of theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces, capturing samples of every room type specified.	Independent Tester's Methodology (to be completed by the IT)

ώ,	ယ		ltem No
Health and Safety File	DOCUMENTATION		Element of the Works
Satisfaction of CDM Co- ordinator			Completion Standard
The Health and Safety File satisfies the CDM Co-ordinator. This completion criteria shall be deemed satisfied by Project Co producing written confirmation from the CDM Co-ordinator		tested.	Completion Criteria
Monitor the preparation of the Health and Safety File to assess suitability and confirm acceptable format with the Planning Supervisor. Sample and assess the Development Control Plan and/or method statements for compatibility with the Health and Safety File; this			Independent Tester's Methodology (to be completed by the IT)

3.2 P	No In
Planning Conditions	Element of the Molks
Satisfaction of planning authority	Completion Standard
The planning conditions satisfy the relevant planning authority. This completion criteria shall be deemed satisfied by Project Co producing written confirmation from the relevant Planning Authority confirming that each of the planning conditions, relevant to construction, (as set out in Clause 16.2 and Schedule 8 Part 1 of this Agreement and for which Project Co is responsible for satisfying) have been	confirming satisfaction with the draft health and safety file which will be made available immediately prior to the Completion Date.
Our checklist will include a section on Planning Conditions. This will be established immediately to record reserved matters and to monitor their "close out". We will maintain a separate file to record all correspondence with the Planning Authority; this will identify milestones and major approvals.	Methodology (to be completed by the IT) will demonstrate that the file is project specific rather than simply generic.

		No Item
Building Control (Approved Inspector)		Element of the Works
Compliance of Works with all applicable building regulations		Completion Standard
The Facility is compliant with all applicable building regulations. This completion criteria shall be deemed satisfied by Project Co producing written confirmation from the Approved Inspector HCD confirming such compliance.	met.	Completion Criteria
Similar approach will be used to that for Item 3.2 above. In addition to the initial approval, the process of on-going notices, inspections, approvals and variations to design will be monitored and recorded.		Independent Tester's Methodology (to be completed by the IT)

3.5	3.4	ltem No
Health Building Notes.	Fire Safety. HTM 81 - 87 Trust Fire. Strategy / Project Co.'s Fire Strategy.	Element of the Works
Compliance with notes	Satisfaction of the Approved Inspector that the requirements set out in the Trust's / Project Co.'s Fire Strategies have been met	Completion Standard
The Facility is in compliance with the health building notes.	The Approved Inspector is satisfied that the requirements set out in the Trust's / Project Co.'s Fire Strategies have been met.	Completion Criteria
We would seek Design Team confirmation that the design achieves compliance. In addition we will conduct our own desk top review against the HBN requirements and subsequently through site examinations / observations we will validate compliance with the design.	Similar approach will be used to that for Item 3.3 above, but noting that we will maintain a focus upon fire safety matters throughout the construction we would typically engage with the Fire Officer during the build to 'compare notes' and understand any concerns.	Independent Tester's Methodology (to be completed by the IT)

3. 6	Item No
Health Technical Memoranda (HTMs), including Fire Practice Notes (FPNs).	Element of the Works
Compliance with HTMs and FPNs	Completion Standard
The design of the Facility complies with the elements of the HTMs and FPNs referred to in Appendix A to the Trust's Construction Requirements which are mandatory as each have been amended and / or derogated from pursuant to Document 7.2F — The Technical Compliance Document. This completion criteria will be deemed satisfied insofar as the design is included within Project Co.'s Proposals.	Completion Criteria
We would seek Design Team confirmation that the design achieves compliance. In addition we will conduct our own desk top review against the HTM and FPN requirements and subsequently through site examinations / observations we will validate compliance with the design.	Independent Tester's Methodology (to be completed by the IT)

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Item	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's
No				Methodology (to be completed by the IT)
3.7	British Standards, European Standards, DIN Standards, Codes of Practice and Acts of	Compliance with standard	The design of the Facility complies with the elements of the British Standards,	We would seek Design Team confirmation that the design achieves compliance.
	Parliament.		European Standards, DIN Standards, Codes of Practice and Act of	In addition we will conduct our own desk top review against the standards and subsequently
	,		of Practice and Act of Parliaments. This completion criteria will	standards and subsequently through site examinations / observations we will validate
			be deemed satisfied insofar as the design is	compliance with the design.
			Co.'s Proposals.	
3.8	Radiation Protection	The Ionising Radiation	The Facility complies	Review accordance with relevant
	Requirement.	(Medical Exposure)	with lonising Radiation	standards and documentation.
		Regulations 2000 (together with notes on good practice)	(Medical Exposure) Regulations 2000	This is to be achieved through
		incorporating its approved	((together with notes on	and interface with Contractor /
		Code of Practice (ACOP).	good practice)	design team and through
		Act (RSA) 1993 and	approved Code of	observations where we will
		subsequent changes, the	Practice 9ACOP)). The	validate compliance.
		Medicines Act 1968, The	Radioactive Substances	
		Health Act 2006, High Activity	Act (RSA) 1993 (and	Throughout the construction we
		Sealed Source (HASS)	subsequent changes),	would typically engage with the
		Dental Guidance Notes	The Health Act 2006,	'compare notes' and understand
		(MDGNs)	High Activity Sealed	

Item No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
		National/International (IPEM)	Source (HASS) Regulations, the Medical and Dental Guidance Notes (MDGNs) National/International (IPEM).	any concerns
3.9	Air Quality (Operating Theatres and Cath Laboratories).	Environmental Sampling to HTM 03-01	The air quality (in the operating theatres and cath laboratories comply with the environmental sampling (HTM 03-01).	We will conduct our own desk top review of the air handling system design, site witness the commissioning of the systems, conduct a room check of the built fabric, and review the test certification / sampling records for each of the operating theatres and cath laboratories.
3.10	Environmental Health Office (EHO) Approval.	Building Control sign off	See 3.3.	We will maintain a separate file to record all relevant correspondence and monitor the closing out of any matters arising and the receipt of written confirmation from the Approved Inspector that the facility is

4.1.4	4.1.3	Item No
Wind Resistance.	Resistance to Water Penetration.	Element of the Works
In accordance with BS EN 12211:2000.	In accordance with BS 8000	Completion Standard
The design of the Facilities relating to its wind resistance is in accordance with BS EN	The design of the Facilities relating to its resistance to water penetration is in accordance with BS8000. This completion criteria will be deemed satisfied insofar as the design is included within Project Co.'s Proposals.	Completion Criteria
As for 4.1.3	For roof and cladding systems we would expect that manufacturer representatives would attend site to ensure that accredited installers are working correctly. We would seek site of their reports, and ultimately Certification. Throughout construction we will also be observing the attention to detail, with particular emphasis applied to the interfaces between different components, e.g. where a window meets a cladding panel. We will pay particular attention to single ply membrane roof construction if adopted, and would review electrostatic or flood testing of completed works.	Independent Tester's Methodology (to be completed by the IT)

4.2.1	4.2	Item No
Light Levels Through Windows At Lower Levels In Courtyards.	Windows.	Element of the Works
Project Co design proposals approved before FC.	Thermal requirements, air infiltration, resistance to water penetration and wind resistance covered as part of Building Envelope in item 2.1 above)	Completion Standard
The light levels through the windows at the lower levels in the courtyards are compliant with the Project Co Proposals approved before	The windows thermal requirements, air infiltration, resistance to water penetration and wind resistance comply with HTM 57, the Building Regulations Approved Documents, BS 6375-1 Part 1, BS EN ISO 10077-2 and the requirements of CWCT (Centre for Window & Cladding Technology) technical notes.	Completion Criteria
Compliance with the Project Co.'s Proposals will be validated by the witnessing of light level testing in the relevant areas.	Review in accordance with relevant standards and documentation. This is to be achieved through both a desk top exercise and subsequent site examinations / observations. Within our room Checks we will validate operability and maximum opening restrictions.	Independent Tester's Methodology (to be completed by the IT)

No No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
			Financial Close.	
4.3	INTERNAL WALLS PARTITIONS			
4.3.1	Components/Assembly.	Components are obtained from prescribed manufacturer and assembled in a manner in accordance with the specification and the manufacturer instructions and BS5234, BS8212, BS7364	The components are obtained from a prescribed manufacturer and assembled in a manner in accordance with the specification and the manufacturer instructions and BS5234, BS8212 and BS7364.	Material sourcing will part of our QA Audit. Correct assembly is an item which we observe during our periodic site inspections, including appropriate support frame, panel build up and focus upon detail at soffit and walls.
4.3.2	Acoustic Performance.	Compliance with standard BS 5821 Part 1 1984 and BS 2750 Part 3 and 4 1980.	The acoustic performance of the Facility is in compliance with the standards set out in BS 5821 Part 1 1984 and BS 2750 Part 3 and 4 1980.	As part of 4.3.1 we pay particular attention to adherence to design detailing specified with the Acoustic Report (e.g. avoiding back to back electrical sockets). We will review the test methodology and challenge test locations if appropriate. Witnessing of testing and review of resultant report / certification

4.4.1	4.4		4.3.3		ltem No
Fire Resistance.	CEILINGS		Fire Performance.		Element of the Works
Constructed to achieve design standards in accordance with Schedule 8 Parts 3 and 4			Check and confirm that perimeter sealing has been completed to the required standard including around services penetrations and other perforations to maintain required levels of fire resistance		Completion Standard
The Facility has been constructed to achieve the fire resistance design standards in accordance with Schedule 8 Parts 3 and 4.			The perimeter sealing has been completed to the required standard (including around services penetrations and other perforations) to maintain the required levels of fire resistance.		Completion Criteria
Material sourcing will part of our QA Audit. Correct assembly is an item which we observe during our periodic site inspections, including appropriate support frame, panel build up and focus upon detail at walls.		We will interface as appropriate with the Trust Fire Officer to 'compare notes' on this item.	We examine this detailing during our periodic inspections throughout the build and then recapture through review and sampling of the Void Closure process.	against design criteria.	Independent Tester's Methodology (to be completed by the IT)

4.4.3	4.4.2	Item No
Access Panel Sealing.	Acoustic Performance.	Element of the Works
Check that access panels in plasterboard ceilings have mastic seal at perimeter in locations defined on project	Constructed to achieve design standards	Completion Standard
The access panels in the plasterboard ceilings have a mastic seal at the perimeter in the	The acoustic performance in the Facility complies with the 1:50 scale drawings included in Project Co.'s Proposals as developed in accordance with the Reviewable Design Data. In determining whether this completion criteria has been met, the Independent Tester will be required to carry out a random sample of not less than 50% of the rooms that have a 1:50 scale drawing applicable to it, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces with 15 ach/hr and Sleep study bedrooms will be tested.	Completion Criteria
Sample checking of construction against specified standards. We will add to our Room Check	As part of 4.4.1 we pay particular attention to adherence to design detailing specified with the Acoustic Report. As part of Room Checking we will validate correct ceiling type installed. We will review the Acoustic test methodology and challenge test locations if appropriate. Witnessing of testing and review of resultant report / certification against design criteria.	Independent Tester's Methodology (to be completed by the IT)

No		4.4.4	4.5	4.6	4.6.1
Element of the Works		Construction of Ceilings.	Stair Ramps Balustrades.	DOORS - HTM 58	Fire Resistance Test Certification.
Completion Standard	Co.'s drawings (high hygiene areas)	Check that ceilings have been completed to specified standard and BS 8290 Parts 1, 2 and 3 1991	In accordance with British standards listed in Schedule 8 Parts 3 and 4 and relevant Laws.		In accordance with Schedule 8 Parts 3 and 4
Completion Criteria	locations defined on the Project Co.'s drawings (e.g. high hygiene areas).	The ceilings have been completed to the standard specified in BS 8290 Parts 1, 2 and 3 1991	The stairs, ramps and balustrades are constructed in accordance with the British standards listed in Schedule 8 Parts 3 and 4 along with the relevant laws.		The doors shall be constructed in accordance with
Independent Tester's Methodology (to be completed by the IT)	template. NB We anticipate that these checks will predominantly be required within the 100% Room Check spaces.	Material sourcing will part of our QA Audit. Correct assembly is an item which we observe during our periodic site inspections, including appropriate support frame, panel build up and focus upon detail at walls.	Sample checking of construction against specified standards and statutory requirements.		Inspect the installed works for compliance as part of our Room Checks – door type, seals, gaps,

No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's
				Methodology (to be completed by the IT)
			Schedule 8 Parts 3 and 4 to achieve fire resistance test certification.	labelling, and closers. Confirm receipt of relevant test certification.
4.6.2	Acoustic Performance Test Certification.	In accordance with Schedule 8 Parts 3 and 4	The doors shall be constructed in accordance with Schedule 8 Parts 3 and 4 to achieve acoustic performance test certification.	As per 4.4 .2
4.7	IRONMONGERY - HTM 59			Visual check and record certification.
47.1	Keylock Suiting / Programming.	Lock operation works. Suiting / Programming is correct	The locks in the Facility shall be fully operational and the suiting / programming in the Facility are correct.	Test keys in lock and sample reconcile with suiting schedules. 50% witness check.
4.8	Fixtures & Fittings.	Complete and fully operational	The fixtures and fittings are complete and fully operational.	This will be undertaken as part of our Room Checks to validate compliance to 1:50 drawings and associated schedules.
4.9	Individual Rooms.	Compliance with RDS and	See 2.5.	Further to the RDD review a physical check of at least 50% of

ltem No	Element of the Works	Completion Standard 1:50 loaded plans	Comp	Completion Criteria
		1:50 loaded plans		
4.10	Wayfinding / Signage.	Complete including lighting in accordance with Schedule 8 Parts 3 and 4	The signage shall be complete (including lighting) and construction accordance with Schedule 8 Parts 3 a 4.	The signage shall be complete (including lighting) and constructed in accordance with Schedule 8 Parts 3 and 4.
			į	
U I	M&E OUTPUT SPECIFICATION			
5.1	PUBLIC HEALTH ENGINEERING			
5.1.1	External Drainage	As BS EN 752:2008	The external drainage system shall comply	I drainage I comply

Item No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
	System.		with BS EN 752:2008.	completion against specified standards and capacities, including appropriate interfacing with existing estate. Checking will encompass completeness, integrity and cleanliness testing, including confirmation of CCTV examinations.
5.1.2	Internal Drainage System.	AS BS EN 12056:2000	The internal drainage system shall comply with BS EN 12056:2000.	Sample checking of construction against specified standards. Witness pressure testing and confirm accessibility of rodding eyes.
5.1.3	Sanitary Fittings.	In accordance with Schedule 8 Parts 3 and 4	The sanitary fittings shall comply with Schedule 8 Parts 3 and 4.	This will be undertaken as part of our Room Checking programme to validate compliance with 1:50 drawings and associated schedules.
5.1.4	Mounting Heights.	In accordance with Schedule 8 Parts 3 and 4	The mounting heights shall comply with Schedule 8 Parts 3 and 4.	This will be undertaken as part of our Room Checking programme to validate compliance with 1:50 drawings and associated schedules.
5.1.5	Taps/Showers Overflows:	In accordance with Schedule	The taps / shower overflows shall comply	Although included within our room checking we typically

6.3	6.2	6.1	6		Item No
Commissioning Method Statements and Programme.	Quality Of M&E Systems Workmanship.	M&E Systems, Materials, Plant And Components.	M&E ENGINEERING	Operation.	Element of the Works
In accordance with Schedule 8 Parts 3 and 4 and Appendix 7	In accordance with Schedule 8 Parts 3 and 4	In accordance with Schedule 8 Parts 3 and 4		8 Parts 3 and 4	Completion Standard
The commissioning method statements and programme shall comply with Schedule 8 Parts 3 and 4 and Appendix 7.	The quality of the M&E systems workmanship shall comply with Schedule 8 Parts 3 and 4	The M&E systems, materials, plant and components shall comply with Schedule 8 Parts 3 and 4.		with Schedule 8 Parts 3 and 4.	Completion Criteria
Desktop review, workshop analysis and working with Commissioning manager to develop a suitable programme and associated test methodologies.	Sample checking of construction against specified standards as part of our periodic site inspections and then by sampling sub-Contractors QA pre testing of installed works.	Review accordance with relevant standards and documentation. This is to be achieved through both a desk top exercise and site examinations / observations of each system.		undertake a separate 100% witness to validate contractor test records of tap & shower temps and anti-scald operation.	Independent Tester's Methodology (to be completed by the IT)

Item No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
6.4	MECHANICAL PIPELINES FOR WATER			
6.4.1	Sectional Pressure Testing.	Schedule 8 Parts 3 and 4	The sectional pressure testing of the mechanical pipelines for water shall comply with Schedule 8 Parts 3 and 4.	Review 100% results and 50% witness of system tests.
6.4.2	Flushing and Cleaning. Chemical Closing.	Schedule 8 Parts 3 and 4	The flushing and cleaning / chemical closing elements of the mechanical pipelines for water shall comply with Schedule 8 Parts 3 and 4.	Review 100% results and 50% witness of system tests.
6.4.3	Balancing of Water Flow Rates And Rooms.	As per Schedule 8 Parts 3 and 4 and data sheets	The balancing of water flow rates for the mechanical pipelines for water shall comply with Schedule 8 Parts 3 and 4 and the data sheets.	Review 100% results and 50% witness of system tests.
6.4.4	Quality of Specialist Water (e.g. RO, DI etc.)	Schedule 8 Parts 3 and 4	The specialist water (e.g. RO, DI etc.) shall comply with the quality requirements in	Review 100% results and 100% witness of system tests.

ltem No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
			Schedule 8 Parts 3 and 4.	
6.5	DUCTWORK AND AIR FLOW SYSTEMS			
6.5.1	Sectional Pressure Testing.	Schedule 8 Parts 3 and 4	The sectional pressure testing of the ductwork and airflow systems shall comply with Schedule 8 Parts 3 and 4.	Review 100% results and 50% witness of system tests, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces will be witnessed.
6.5.2	Cleaning.	Schedule 8 Parts 3 and 4	The cleaning elements of the ductwork and airflow systems shall comply with Schedule 8 Parts 3 and 4.	Review 100% results and 50% witness of system tests, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces will be witnessed.
6.5.3	Balancing Of Air Flow Rates.	As relevant CIBSE commissioning codes listed in Schedule 8 Parts 3 and 4	The balancing of water flow rates of the ductwork and airflow systems shall comply with the relevant CIBSE commissioning codes listed in Schedule 8 Parts 3 and 4.	Review 100% results and 50% witness of system tests, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces will be witnessed.

	6.6.2	6.6.1	6.6	0.5. 4.	Item No
	Purity and Flow Rates.	Sectional Pressure Testing.	MEDICAL GAS PIPELINES	Actual Flow Rates And Noise Levels.	Element of the Works
	Schedule 8 Parts 3 and 4	Schedule 8 Parts 3 and 4		As relevant CIBSE commissioning codes listed in Schedule 8 Parts 3 and 4	Completion Standard
1	The purity and flow rates of the medical gas pipelines shall comply with Schedule 8 Parts 3 and 4.	The sectional pressure testing of the medical gas pipelines shall comply with Schedule 8 Parts 3 and 4.		The actual flow rates and noise levels of the ductwork and airflow systems shall comply with the relevant CIBSE commissioning codes listed in Schedule 8 Parts 3 and 4.	Completion Criteria
Review 100% results and 50% witness of system tests.	In this area we will stress the importance of the involvement of the Trust QA Pharmacist and the medical gas AP.	In this area we will stress the importance of the involvement of the Trust QA Pharmacist and the medical gas AP. Review 100% results and 50% witness of system tests.		Review 100% results and 50% witness of system tests, save that all theatres, Cath Labs, Hybrid Theatres, ITU and CCU spaces will be witnessed.	Independent Tester's Methodology (to be completed by the IT)

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Item	No	6.6.3		6.7		6.8	6.8.1	
Element of the Works		Anti-Confusion Tests		Packaged Plant (e.g. Boilers, Chillers, Generators, Medical Gases).		BUILDING MANAGEMENT SYSTEMS	Operability.	
Completion Standard		Schedule 8 Parts 3 and 4		To manufacturers requirements, CIBSE, IET and HTM recommendations and requirements			CIBSE, IET and manufacturers requirements	
Completion Criteria		The anti-confusion tests of the medical gas pipelines shall comply with Schedule 8 Parts 3 and 4.		The packaged plan (e.g. boilers, chillers, generators and medical gasses) shall comply with the manufacturer's	requirements, CIBSE, IET and HTM recommendations and requirements.		The operability of the building management systems shall comply with CIBSE, IET and the manufacturer's requirements.	
Independent Tester's	Methodology (to be completed by the IT)	In this area we will stress the importance of the involvement of the Trust QA Pharmacist and the medical gas AP.	Review 100% results and 100% witness of tests.	In this area we will stress the importance of the involvement of the Trust QA Pharmacist and the medical gas AP.	Review 100% results and 50% witness of tests.		Review of design & Description of Operations. Review QA documentation. Sample contractors pre-testing and 50% witness on final testing	

No 6.8.2	Element of the Works Optimising Energy
6.8.2	Optimising Energy Efficiency.
6.9	HV Systems.
6.10	LV Systems (including Final Circuits).

Item	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's
No				Methodology (to be completed by the IT)
6.11	Lighting and Emergency	As defined in Schedule 8	The lighting and	Checking of design against PA.
	Lignung.	Parts 3 and 4	comply with Schedule 8 Parts 3 and 4.	Sample witness of lighting lux levels and functionality of controls.
				100% QA check and 100% Emergency lighting check.
6.12	Fire Alarm.	BS 5839, HTM 82 and Schedule 8 Parts 3 and 4	The fire alarms shall comply with BS 5839, HTM 82 and Schedule 8 Parts 3 and 4.	Checking of design against PA. 100% witness of system to confirm functionality against Cause & effect matrix, confirming integrity of installed components and correct interfacing to associated systems. Validate resilience & recovery from power fail
6.13	Nurse Call and other Communication Systems.	As defined in Schedule 8 Parts 3 and 4	The nurse call systems (and other communication systems) shall comply with Schedule 8 Parts 3 and 4.	Checking of design against PA. 50% witness of system against Cause & Effect matrix to confirm functionality, and to confirm integrity of installed components. Validate resilience & recovery from power fail

Item No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
6.14	Lightning Protection.	BS 6651:1999	The lighting protection shall comply with BS 6651:1999.	Review accordance with relevant standards and documentation. This is to be achieved through
				both a desk top exercise and 50% site witness of field testing of the completed system.
6.15	Security Systems And CCTV Installations.	As defined in Schedule 8 Parts 3 and 4	The security systems and CCTV installations comply with Schedule 8	Checking of design against PA, scenario testing and observations.
			Parts 3 and 4.	Review QA documentation and selectively witness test systems.
				100% witness staff attack system.
				50% witness access control system to confirm functionality of field devices and head end, and
				components (common soft spot).
				View camera type and locations, and witness to validate functionality of head and

No			Company	Methodology (to be completed by the IT)
				recording facilities against specified standards. Witness integration of camera system to associated security systems including staff attack.
				Review confirmation that meets PSDB Secure by Design requirements. Validate resilience & recovery from power fail Checking of design against output specifications – scenario testing and observations.
6.16 Site W	Site Wide Infrastructure.	In accordance with Schedule 8 Parts 3 and 4	The site wide infrastructure complies with Schedule 8 Parts 3 and 4.	This is captured within our responses to individual systems.
6.17 Lift Installati Categories)	Lift Installations (all Lift Categories).	Schedule 8 Part 3 HTM 08-02 BS 5655 BS/EN/81 BS 846-1	The lift installations (including all lift categories) comply with HTM 08-02, BS 5655, BS/EN/81, BS 846-1 and Schedule 8 Parts 3 and 4.	Review accordance with relevant standards and documentation through both a desk top exercise and site examinations / observations. Validate load testing performed and 100% witness the functional operation prior to handover, including external interfaces inc Fire Alarm

Item No	Element of the Works	Completion Standard	Completion Criteria	Independent Tester's Methodology (to be completed by the IT)
				and Red Care. Check Insurance Certificate in place
7	CIVIL AND STRUCTURAL OUTPUT SPECIFICATION			
7.1	Any Required Load Restriction Signage.	In accordance with the Civil and Structural Engineering Output specifications	The load restriction signage complies with the Civil and Structural Output Specifications.	Validate 100% signage installed as per output specification.
7.2	All Civil And Structural Elements.	Visible elements apparently generally in accordance with the relevant design drawings	The visible civil and structural elements generally comply with the relevant design drawings.	This will be undertaken as part of our periodic site inspections, and where appropriate also incorporated within Room Checks.
8	COMPUTER NETWORK AND TELEPHONY SERVICES OUTPUT SPECIFICATION			
8.1	Main Component Selections, Including Telephone Switch Routers and Switchers	To be in accordance with Schedule 8 Parts 3 and 4.	The main component selections (including telephone switches, routers and switchers)	Validate installed equipment in accordance with Schedule 8 via desktop review and site inspection. Consider and

Itom	Element of the Works	Completion Standard	Completion Outcome	Indiana da da Tantana
No o				Methodology (to be completed by the IT)
	etc.		comply with Schedule 8 Parts 3 and 4.	respond to any comments from Trust IT personnel.
8.2	Backbone Cabling.	In accordance with Schedule 8 Parts 3 and 4	The backbone cabling complies with Schedule 8 Parts 3 and 4.	We will review 100% QA results and witness test 50% fibre backbone cabling performance.
ω	Hub Rooms and Cabinets.	In accordance Schedule 8 Parts 3 and 4	See 2.5.	Room check 100% data rooms to validate construction, finish, and performance of cooling systems. Issue Beneficial Access certification.
8.4	Cabling and Outlets.	As per Schedule 8 Parts 3 and 4	The cabling and outlets comply with Schedule 8 Parts 3 and 4.	We will review 100% QA results and witness test 50% copper cabling from cabinet to outlet, validating Pass / Fail results; cable lengths; correct cable and outlet identification; outlet shutter operation; and cable segregation and bend radii.
ى ن	IM&T Installation.	In accordance with Schedule 8 Parts 3 and 4	The IM&T installations comply with Schedule 8 Parts 3 and 4.	Our validation will apply to the Passive elements of the system as described within 8.1 to 8.4. WE understand that Active components will be Trust responsibility to supply, install, commission and provide

8.10		8.7	Item No
Network Performance Test.	CCTV.	Telephone System.	Element of the Works
As defined in Schedule 8 Parts 3 and 4	As defined in Schedule 8 Parts 3 and 4	As defined in Schedule 8 Parts 3 and 4	Completion Standard
The network performance tests comply with Schedule 8 Parts 3 and 4.	The CCTV's comply with Schedule 8 Parts 3 and 4.	The telephone systems comply with Schedule 8 Parts 3 and 4.	Completion Criteria
We will review QA results and witness a network performance test prior to PC and not less than 3.5 months after PC. Testing to validate network coverage, data capacity and speed.	View all camera type and locations, and 100% witness to validate functionality of head end and recording facilities including resilience under power fail, against specified standards. Witness integration of camera system to associated security systems including staff attack. Review confirmation that system meets PSDB Secure by Design requirements.	appropriate certification. As noted within 8.10 we will witness network performance testing. We will review 100% QA results and witness a network performance test prior to PC	Independent Tester's Methodology (to be completed by the IT)

9.1.2	9.1.1	9.1	9	ltem No
Watering Points.	Steps and Ramps Rises, Going, Gradients, Balustrades and Handrails.	Hard Landscaping Generally.	EXTERNAL WORKS OUTPUT SPECIFICATION	Element of the Works
Fully operational	In accordance with Building Control approval.	Complete in accordance with Schedule 8 Parts 3 and 4		Completion Standard
The watering points are operational.	The steps, ramp rises, going gradients, balustrades, and handrails comply with the building control approval. This completion criteria shall be deemed satisfied by Project Co producing written confirmation from the Approved Inspector HCD confirming such compliance.	The hard landscaping complies with Schedule 8 Parts 3 and 4.		Completion Criteria
Review QA and confirm operation of watering points.	Review accordance with Building Control requirements. We will review these aspects within our periodic site visits with objective of early identification of issues. At completion we will review Approved Inspector Certificate.	Review QA records and sample check construction against Schedule 8 requirements.		Independent Tester's Methodology (to be completed by the IT)