

PART 8 OF THE SCHEDULE

This is part 8 of the Schedule comprising Construction Matters referred to in the Project Agreement relating to the design, financing and construction of, and the provision of services at Gartnavel Royal Hospital

between

Greater Glasgow Health Board

and

Robertson Health (Gartnavel) Limited

PART 8 OF THE SCHEDULE

Part 1 : Planning Permission/ Consents

1. Full Planning Permission
2. Listed Building Consent (incl Demolition)
3. Demolition Warrant
4. HSE Notification & Method Statement for removal of Asbestos containing Materials

PART 8 OF THE SCHEDULE

Part 2: Safety During Construction

- 1 In this Part 2 of Schedule 8 and wherever used elsewhere in this Agreement:
 - 1.1 "CDM Regulations" means the Construction (Design and Management) Regulations 1994 (and "CDM Regulation" shall be construed accordingly); and
 - 1.2 "the client", and "the Executive" shall have the same meanings as are ascribed to them in the CDM Regulations.
- 2 In so far as not already done, within twenty (20) Business Days of the date of execution of this Agreement, Project Co shall make and serve on the Executive a declaration pursuant to and in the form (if any) required by CDM Regulation 4 that Project Co will act as the client in relation to the Works for all the purposes of the CDM Regulations. Project Co shall forthwith send a copy of the declaration to the Board's Representative and upon receipt of notice from the Executive that it has received the declaration Project Co shall send a copy of such notice to the Board's Representative. During the Project Term, Project Co shall not, and shall not seek to, withdraw, terminate or in any manner derogate from its declaration that it will act as, and its acceptance of its responsibilities as, the client in relation to the Works for all the purposes of the CDM Regulations. During the Project Term Project Co will, as and when required, serve upon the Executive such further declarations under CDM Regulation 4 as may be necessary in order to procure that in respect of the Works and the provision of the Services Project Co will act as the client for all the purposes of the CDM Regulations.
- 3 Project Co warrants that it has the competence, resources and capacity to, and shall, observe, perform and discharge or shall procure the observance, performance and discharge of:
 - 3.1 all the obligations, requirements and duties of the client arising under the CDM Regulations in connection with the Works and, where necessary, the provision of the Services; and
 - 3.2 any obligations incumbent on the client under any Code of Practice for the time being approved by the Health and Safety Commission pursuant to the Health and Safety at Work etc. Act 1974 issued in connection with the CDM Regulations.
- 4 Project Co shall issue to the Board's Representative within five (5) Business Days of its delivery to Project Co, one electronic copy (on computer disk, tape or other format) of each and every health and safety file to be prepared by it pursuant to the CDM Regulations in relation to the Works and the Services and electronic or paper copies of every amendment or update made to such file during the Project Term.

PART 8 OF THE SCHEDULE

Part 3 : Board's Construction Requirements

PART 8 OF THE SCHEDULE

Part 4 : Project Co Proposals

PART 8 OF THE SCHEDULE

PART 5: REVIEWABLE DESIGN DATA

Ref	Sample	Drawing	Other	Description	Anticipated Submission of Documents in week numbers.	Selection period
SAMPLES						
	*	*		Roof Cladding and detail	10	10 Business days
	*	*		Windows and Screens inc ironmongery	12	10 Business days
				External Cladding	12	10 Business days
	*			Internal finishes	30	10 Business days
	*			External and Internal Doors (with ironmongery)	24	10 Business days
	*			Typical switch, socket and outlet details	4	10 Business days
	*			Security/safety screw details	4	10 Business days
	*			Typical anti-ligature arrangements for components	12	10 Business days
	*	*		Panic Alarm Components	16	10 Business days
	*	*		Heating Installation	16	10 Business days
GENERAL INFORMATION						
		*		1:50 loaded floor plans: (only those confirmed as Status B pre-Financial Close)	FC	10 Business days
		*		1:50 Reflected ceiling Plans showing all lights, engineering fittings and ceiling mounted equipment : agreed areas	FC (Basic layout - Further info wk 16)	10 Business days
			*	Planning Condition Responses	Ongoing	10 Business days
		*		1:200 Detailed Landscape Plans for all areas including levels, planting details, kerbs, paths and lighting	FC (Basic layout - Further info wk 12)	10 Business days

		*		1:50 Retaining/boundary wall details	6	10 Business days
			*	NBS Specification (all elements) NBS Specifications are not appropriate for most Civil and structural works. Separate Specifications will be issued for the various elements of these works	16 - 24	10 Business days
		*		Main Entrance Details	26	10 Business days
	*	*	*	Internal doors and screens	24	10 Business days
	*	*		Internal signage	40	10 Business days
		*		External signage	40	10 Business days
		*		Interior Design Proposals	30	10 Business days
	*		*	Ironmongery schedule and samples	24	10 Business days
	*		*	Finishes schedule (floor and wall finishes - brochures and samples)	30	10 Business days
		*	*	Co-ordinated security systems narrative and drawing identifying all camera positions and door locking/control mechanisms + integration with other systems	16	10 Business days
			*	Hard Landscaping -including external furniture provisions	12	10 Business days
		*		Heating Panels	16	10 Business days
		*		Grilles and Diffusers	16	10 Business days
				FIXTURES & FITTING		
	*		*	Tapware	20	10 Business days
	*		*	Light fittings	20	10 Business days
	*		*	Main Public light fittings	20	10 Business days
	*		*	Light fittings in clinical areas	20	10 Business days

			*	External/Internal signage	40	10 Business days
	*		*	Light switches and sockets	4	10 Business days
			*	Furniture	30	10 Business days
			*	Nurses station	40	10 Business days
	*		*	Kitchen Units	30	10 Business days
		*		Reception Desk	40	10 Business days
			*	Wall Protection	30	10 Business days
			*	Bed head arrangement	N/A	10 Business days
	*		*	Sanitary Fittings and associated fixtures	20	10 Business days
	*		*	All ProjectCo Equipment (provide brochures and samples of all proposed equipment)	30	10 Business days
ENGINEERING SERVICES						
Primary distribution for all areas indicating main distribution routes and plant locations with respect to the following services:						
		*		LPHW heating	TBA	10 Business days
		*		Domestic water services	TBA	10 Business days
		*		Ventilation	TBA	10 Business days
		*		Lighting and power	TBA	10 Business days
		*		Fire alarms	TBA	10 Business days
		*		Voice & Data	TBA	10 Business days
		*		Nurse call/	TBA	10 Business days
		*		IT	TBA	10 Business days

Performance data of engineering services:						
			*	Thermal performance of the building elements	TBA	10 Business days
			*	Condensation predictions under design conditions	TBA	10 Business days
			*	Ventilation strategy both natural and mechanical, how it works in a secure environment Model simulation to prove design option	TBA	10 Business days
			*	Lighting levels	TBA	10 Business days
			*	A prediction of energy targets at each stage of the design at Financial Close.	TBA	10 Business days
			*	Plant loads and how these are distributed round the building.	TBA	10 Business days

Detail layouts for all areas for the following services:						
		*		Plant rooms and supporting schematics	TBA	10 Business days
		*		Heating	TBA	10 Business days
		*		Domestic water services	TBA	10 Business days
		*		Ventilation	TBA	10 Business days
		*		Lighting & power	TBA	10 Business days
		*		Fire alarms	TBA	10 Business days
		*		Voice & Data	TBA	10 Business days
		*		Nurse call/entertainment	TBA	10 Business days
		*		Specialist	TBA	10 Business days
		*		Security (incl CCTV and Staff Attack systems)	TBA	10 Business days
External services drawings indicating all new works and site modifications, routes of all new and diverted services encompassing the following services (including supporting calculations):						
		*		Gas	TBA	10 Business days

Gartnavel Royal Hospital

		*		Electrical supplies	TBA	10 Business days
		*		Water supplies inc fire main	TBA	10 Business days
		*		Street Lighting	TBA	10 Business days
		*		Security	TBA	10 Business days
		*		Car parking	TBA	10 Business days
		*		Footpaths and Bicycle Paths (incl bicycle storage)	TBA	10 Business days
		*		Foul and surface water drainage	TBA	10 Business days
		*		Fire alarms	TBA	10 Business days

PART 8 OF THE SCHEDULE

Part 6 : Room Data Sheets

PART 8 OF THE SCHEDULE

Part 7 : Thermal and Energy Efficiency Testing Procedure

1 Thermal Efficiency

- 1.1 Project Co will monitor the thermal efficiency of the facility through a combination of measurement data derived from the building management system ("BMS") and physical monitoring undertaken by Project Co personnel.
- 1.2 Project Co will configure the BMS (in accordance with its capabilities detailed in the Contractors Proposals) to provide complete continuous internal thermal data on a zone basis within the facility. The BMS will also be configured (in accordance with its capabilities detailed in the Contractor's Proposals) to trigger automatic alarms if maximum or minimum temperature thresholds are exceeded in any zone monitored by the BMS.
- 1.3 Project Co personnel will measure, using calibrated instruments, the internal ambient temperature in degrees Celsius of an indicative sample of Functional Units, to be agreed with the Board, in accordance with the monitoring process detailed in Schedule 14, Part 2 Utilities and Energy Efficiency Method Statement.
- 1.4 In the event that the measured internal ambient temperature exceeds maximum or falls below the minimum permitted temperature thresholds Project Co personnel will log the Failure Event with the Estates Management Service Helpdesk and initiate corrective action in accordance with the Response and Rectification times prescribed in the Schedule 14. The data recorded for each sample Functional Unit in the event of a Service Failure Event will include but not be limited to the date, unit reference, time measurement taken, internal ambient temperature measurement in degrees Celsius, serial number of measurement instrument, suspected cause of internal ambient temperature exceeding permitted thresholds, action required to bring internal ambient temperature within permitted thresholds, internal ambient temperature in degrees Celsius at Rectification of the Service Failure Event.

2 Energy Efficiency

- 2.1 Project Co will regularly monitor utility meter readings in accordance with Para 6.3.1 of Part 3 of Part 8 of the Schedule and compare utilities consumption against predicted, or historic, consumption levels. This will permit abnormal consumption patterns to be identified and action if appropriate to be taken.
- 2.2 Project Co will produce in accordance with Para 6.3.1 of Part 3 of Part 8 of the Schedule monthly and annual energy reports for submission to the Board, in a format to be agreed no later than six (6) months prior to Service Commencement. The reports will include but not be limited to details of the monitoring process, utility meter readings and energy consumption for each utility service on a consumption against target basis.

PART 8 OF THE SCHEDULE

Part 8 : Quality Plans (Design and Construction)