APPENDIX 02

Air Conditioning Installation - Seahorse and Orchid Wards at Cork University Hospital

SCHEDULE OF AIR-CONDITIONING SYSTEM FOR ORCHID WARD

Ref	Location:	Design Benchmark Model:	Cooling Capacity	Heating Capacity	Airflow	Dimensions:			Qty:
			kW	kW	m³/min	Height	Width	Depth	
System 1									
OW/AC/01	Consultants Examination room 1	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/AC/02	Consultants Examination room 2	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/AC/03	Consultants Examination room 3	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/AC/04	Consultants Examination room 4	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/AC/05	Consultants Examination room 5	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/AC/06	Consultants Examination room 6	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/AC/07	Consultants Examination room 7	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
OW/CON/01	Ground Floor Level	PURY-M200YNW-A1	22.4	25.0		1858	920	740	1
OW/HBC/01	Waiting Area	CMB-WM108V-AA	0.450(220V) / 0.460(230V) / 0.470(240V)			300	1520	630	1
M-NET Interface		MAC-334IF-E							
Central controller		AE-C400E							
MA remote controller	as above	PAR-CT01MAA-SB							7
System 2									
OW/AC/08	Consultants Examination Suite No. 6	MSZ-HR25VFK(Wireless)	2.5	3.2		280	838	228	
OW/CON/02	Roof Level	MUZ-HR25VF-E4							
Controllers	as above	PAR-33MAA-J							1
System 3									

OW/AC/09	Consultants Examination Suite No. 7	MSZ-HR25VFK(Wireless)							
OW/CON/03	Roof Level	MUZ-HR25VF-E4							
Controllers	as above	PAR-33MAA-J							

Notes:

1. All air conditioning units shall be as manufactured by Mitsubishi Electric or equivalent.
2. Condensate drain pumps, pipework and HepVo dry traps to be provided.
3. Contractor to allow for installation of all hydronic pipework, refrigerant pipework, controllers, condensate pipework and all power and control wiring required for a fully functionally system that can be linked to the existing system.
4. All hydronic pipework downstream of branch controllers shall be pre-insulated multilayer pipework with minimum 20mm insulation. Care shall be taken when installing hydronic pipeowrk to keep level and avoid airlocks. Auto air vents shall be installed at high point of loop.
5. All pipework and cabling between indoor and external units to be route on cable tray supplied by Air Conditioning installer
6. City Multi A/C system shall be supplied complete with AE-200E Touch Screen Centralised Controller and BMS interface module.
7. Contractor shall confirm ceiling fixing details with ceiling contractor prior to ordering
8. Branch controllers shall be complete with isolating valves and AAV's on all outgoing ways.

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05/10/2026

APPENDIX 01

Air Conditioning Installation - Seahorse and Orchid Wards at Cork University Hospital

SCHEDULE OF AIR-CONDITIONING SYSTEM FOR SEAHORSE WARD

Ref	Location:	Design Benchmark Model:	Cooling Capacity	Heating Capacity	Airflow	Dimensions:			Qty:
			kW	kW	m³/min	Height	Width	Depth	
System 1									
SHW/AC/01	Day Ward	PLFY-WL80VEM-E	9.0	10.0	15-18-21-23	298	840	840	1
SHW/AC/02	Day Ward Isolation	PKFY-WL32VLM-E	3.6	4.0	6.3-7.6-9.0-10.4	299	898	238	1
SHW/AC/03	Procedure Room FF_16	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/04	Day Ward	PLFY-WL80VEM-E	9.0	10.0	15-18-21-23	298	840	840	1
SHW/AC/05	Consultants Examination room FF_18	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/06	Consultants Examination room FF_19	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/07	Consultants Examination room FF_20	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/08	Consultants Examination room FF_21	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/HBC/01	Consultation Room FF_18	CMB-WM108V-AA	0.450(220V) / 0.460(230V) /			300	1520	630	1
SHW/AC/09	Consultants Examination room FF_22	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/10	Consultants Examination room FF_23	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/11	Consultants Examination room FF_24	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/12	Consultants Examination room FF_32	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/13	Consultants Examination room FF_33	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/14	Consultants Examination room FF_34	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/15	Consultants Examination room FF_35	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/AC/16	Nurse reception_58	PKFY-WL25VLM-E	2.8	3.2	4.0-5.4-7.0-8.4	299	773	238	1
SHW/HBC/02	Procedure Room FF_16	CMB-WM108V-AA	0.450(220V) / 0.460(230V) /			300	1520	630	1

SHW/CON/01	Roof Level	PURY-M500YNW-A1	56.0	63.0		1858	1750	740	1
M-NET Interface		MAC-334IF-E							
Central controller		AE-C400E							
MA remote controller	as above	PAR-CT01MAA-SB							15

Notes:

1. All air conditioning units shall be as manufactured by Mitsubishi Electric or equivalent.
2. Condensate drain pumps, pipework and HepVo dry traps to be provided.
3. Contractor to allow for installation of all hydronic pipework, refrigerant pipework, controllers, condensate pipework and all power and control wiring required for a fully functionally system that can be linked to the existing system.
4. All hydronic pipework downstream of branch controllers shall be pre-insulated multilayer pipework , and insulation thickness shall be as per manufactuer recommendation .
   Care shall be taken when installing hydronic pipeowrk to keep level and avoid airlocks. Auto air vents shall be installed at high point of loop.
5. All pipework and cabling between indoor and external units to be route on cable tray supplied by Air Conditioning installer
6. City Multi A/C system shall be supplied complete with AE-200E Touch Screen Centralised Controller and BMS interface module.
7. Contractor shall confirm ceiling fixing details with ceiling contractor prior to ordering
8. Branch controllers shall be complete with isolating valves and AAV's on all outgoing ways.

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