

TEM
Engineering and Management

PROJECT: Muckross Cottage

TEM CONTRACT No: 18622

Document Title:
Mechanical Equipment Schedule

Document Number: 18622-200-S2

T1	Issued for Tender	KC	03/07/26	LA	03/07/26	TOC	03/07/26		
Issue Rev	Issue or Revision Description	Origin By	Date	Chkd By	Date	Appd By	Date	Appd By	Date

Mechanical Equipment Schedule

Project: 18622 Muckross Cottage/ Revision T1

Tag	Location	Product Type	Product Description
Ventilation System			
EXC-01	Kitchen	Extract Hood	Extract Rate 260 m3/h
EF-01	Kitchen	ECOAIR DESIGN ECOWATT Extract Fan Ø100m D-DCV FAN WITH CONTINUOUS TRICKLE EXTRACT	Extract Rate 0.0097 m3/s/ and Boost flow 0.015 m3/s 35 Pa
EF-02	Utility Room	ECOAIR DESIGN ECOWATT Extract Fan Ø100m D-DCV FAN WITH CONTINUOUS TRICKLE EXTRACT	Extract Rate 0.0097 m3/s/ and Boost flow 0.015 m3/s 35 Pa
EF-03	Shower Room	ECOAIR DESIGN ECOWATT Extract Fan Ø100m D-DCV FAN WITH CONTINUOUS TRICKLE EXTRACT	Extract Rate 0.0097 m3/s/ and Boost flow 0.015 m3/s 35 Pa
EF-04	Ensuite Bathroom	ECOAIR DESIGN ECOWATT Extract Fan Ø100m D-DCV FAN WITH CONTINUOUS TRICKLE EXTRACT	Extract Rate 0.0097 m3/s/ and Boost flow 0.015 m3/s 60 Pa
WL - 01	Kitchen/Living	EXC-01 Wall mounted grille	Moulded Aluminium with 2mm mesh Stainless steel 304 insect screen & back draft shutter for cooker canopy 125mm x97mm
WL - 02	Kitchen/Living	EF-01 Wall mounted grille	Moulded Aluminium with 2mm mesh Stainless steel 304 insect screen 125mm x97mm
WL - 03	Utility Room	EF-02 Wall mounted grille	Moulded Aluminium with 2mm mesh Stainless steel 304 insect screen 125mm x97mm
WL - 04	Shower Room	EF-03 Wall mounted grille	Moulded Aluminium with 2mm mesh Stainless steel 304 insect screen 125mm x97mm
WL - 05	First Floor Toilet	EF-04 Wall mounted grille	Moulded Aluminium with 2mm mesh Stainless steel 304 insect screen 125mm x97mm
WL - 06	Kitchen / Living	Ø150 mm Passive Vent	200x200 mm External grille with vermin mesh & Internal Grille
WL - 07	GF Bedroom	Ø150 mm Passive Vent	200x200 mm External grille with vermin mesh & Internal Grille
WL - 08	Store Room	Ø150 mm Passive Vent	200x200 mm External grille with vermin mesh & Internal Grille

Tag	Location	Product Type	Product Description
WL - 09	Utility Room	ø150 mm Passive Vent	200x200 mm External grille with vermin mesh & Internal Grille
WL - 10	FF Bedroom	ø150 mm Passive Vent	Low profile vent slate, Driving rain and deluge rain resistant. ABS & VO fire retardant material, Complies with BS5250 & BS5534. C/W 4mm insect screen & Underlay opening protector. 500x250mm 150mm spigot
Heating System			
HP - 01 / IU-01	Private Open Space / Utility Room	Outdoor & Indoor units	Air-to-water Heat Pump (Output 9kW) Minimum Seasonal Space Heating efficiency of 122% and Minimum Water Heating Efficiency of 116%
Underfloor Heating	Ground Floor	Underfloor Heating to serve entire Ground Floor	
Radiator Schedule	Location: First Floor	Output W at Δt 30	Style: Stelrad Compact K3 - Height x Length
	Ensuite	492	600 x 400
	FF Bedroom	861	600 x 700
	Stairs	492	600 x 400
P-01	LPHW Primary Distribution	Twin Head VSD 1 ph	Pipe Size: 32mm / Peak Flow Rate 0.33 kg/s / Pressure 80 kPa
P-02	LPHW UFH Manifold Shunt	Single Head VSD 1 ph	Pipe Size: 25mm / Peak Flow Rate 0.213 kg/s / Pressure 60 kPa
TS-01	GF Shower Room	Wall Mounted Thermostat controlling 2 Port Actuator on Manifold	230V operated room thermostat with Controls interface to manifold actuated head.
TS-02	GF Kitchen	Wall Mounted Thermostat controlling 2 Port Actuator on Manifold	230V operated room thermostat with Controls interface to manifold actuated head.
TS-03	GF Living Room (Zone Stat)	Wall Mounted Thermostat controlling Zone Valve	230V operated programmable room thermostat with Controls interface to Zone Valve.
TS-04	GF Bedroom	Wall Mounted Thermostat controlling 2 Port Actuator on Manifold	230V operated room thermostat with Controls interface to manifold actuated head.
TS-05	GF Utility	Wall Mounted Thermostat controlling 2 Port Actuator on Manifold	230V operated room thermostat with Controls interface to manifold actuated head.

Tag	Location	Product Type	Product Description
TS-06	GF Store Room	Wall Mounted Thermostat controlling 2 Port Actuator on Manifold	230V operated room thermostat with Controls interface to manifold actuated head.
TS-07	FF Bedroom (Zone Stat)	Wall Mounted Thermostat controlling Zone Valve	230V operated programmable room thermostat with Controls interface to Zone Valve.
TS-08	Ensuite	Wall Mounted Thermostat controlling 2 Port Actuator on Manifold	230V operated room thermostat with Controls interface to manifold actuated head.
MCCP-01	Ground Floor	EPH R27 (2 Zone) Control Panel with GW01 Gateway	Motorised control valve will provide the zone control for each zone. Remote Network Gateway GW01 for App Control
Water Services System			
Water Tank	Utility Room	AquaBox System	Cylindrical Slimline (Fixed) Tank 300 Litres
Water Softener	Utility Room	PWS 8X35 Meter Controlled Water Softener	High performance water softener, for the above average household
IU-01	Utility Room	Indoor Unit	180 l Cylinder
P-03	CWST Booster Pump (supplied with Tank)	Stainless submersible with Pressure controlled VSD and flexible connection	Pipe Size: 25mm / Peak Flow Rate 0.4 kg/s / Pressure 105 kPa