

Notes

Rev	Date	Drawn	Description	Ch'k'd
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Client :
**IRISH HERITAGE TRUST
STROKETOWN PARK, FAMINE MUSEUM
CO. ROSCOMMON**

Project :
**STROKETOWN PARK - HEATING CENTRE
PLANT ROOM**

Drawing Title :
PROPOSED LTHW SERVICES SCHEMATIC

Designed: CG	Drawn: CG	Date: JAN 2026
Eng Chk: MS	Dwg. Chk: JO'C	Scale: NTS @ A1
Project. No: 601.2.1		
Drawing No: SCH-M56-001	Status: Preliminary	Rev: 1

MONOBLOC AIR SOURCE HEAT PUMP SCHEDULE (OUTDOOR UNIT)					
SYSTEM REF	MODEL REF	DIMENSIONS (WxHxD)(mm)	WEIGHT (Kg)	DUTY (kW)	ELECTRICAL REQUIREMENTS (3Ph/400V/50Hz) START. CURRENT MAX.RUN CURRENT RCBO RATING
OD-01 - OD-02	MASTERTHERM-BOXAIR 90IP	2060x1070x1525	275	50	-A -A 63A

SCHEDULE OF PUMPS				
REF.	SERVICE	SERVICE (kg/s) (kPa)	ELECTRICAL SUPPLY	COMMENTS
P1	HEATING	1.094 80	240V/50Hz 0.57 kW FLC: 2.48A	CIRCULATING PUMP AS WILCO/GRUNDFOS OR EQUAL AND APPROVED. PUMP UNIT TO BE COMPLETE WITH A VARIABLE-SPEED MOTOR.
P2	HEATING	1.094 80	240V/50Hz 0.57 kW FLC: 2.48A	CIRCULATING PUMP AS WILCO/GRUNDFOS OR EQUAL AND APPROVED. PUMP UNIT TO BE COMPLETE WITH A VARIABLE-SPEED MOTOR.

MECHANICAL CONTRACTOR SCOPE OF WORKS

- OLD PLANT ROOM**
- ISOLATE, DISCONNECT, STRIP OUT & REPLACE OLD LPG BOILERS WITH A NEW PLATE HEAT EXCHANGER (PHE) AND CIRCULATING PUMP. EXISTING HEATING PIPEWORK TO BE CUT BACK AND MODIFIED TO SUIT. EXISTING RADIATORS TO BE RETAINED.
 - SUPPLY & INSTALL NEW HEATING DISTRIBUTION CCT - PIPEWORK, VALVES, TEMP STAYS WHICH ROUTES EXTERNALLY & CONNECTS BACK INTO THE MAIN PLANT ROOM.
 - SUPPLY & INSTALL NEW PRIMARY FLOW & RETURN PIPEWORK & ASSOCIATED VALVING INCLUDING CAPPED CONNECTIONS AT THE PROPOSED LOCATION OF THE ASHP.
 - ISOLATE, DISCONNECT & MODIFY EXISTING HEADER TO ALLOW FOR THE CONNECTION OF A BUFFER TANK AND ASHP.
 - SUPPLY & INSTALL 2x1000 ASHP'S AND CONTROL UNIT.
 - RE-BALANCE, COMMISSION & SET THE HEATING SYSTEM TO WORK.

NOTE: ALL ITEMS COLOURED ARE TO BE SUPPLIED & INSTALLED AS PART OF THESE WORKS

- LEGEND**
- IV - ISOLATING VALVE
 - CS - COMMISSIONING REGULATING VALVE WITH COMMISSIONING STATION
 - DRV - DOUBLE REGULATING VALVE
 - MV - 3 PORT MOTORISED VALVE
 - DOC - DRAIN OFF COCK
 - LSV - LOCKSHIELD VALVE
 - PRV - PRESSURE REDUCING VALVE
 - STR - STRAINER
 - T - TEMPERATURE GAUGE
 - P - PRESSURE GAUGE
 - F - FLOW
 - R - RETURN
 - NRV - NON RETURN VALVE
 - RV - LOCKSHIELD REGULATING VALVE
 - FC - FLEXIBLE CONNECTION
 - TS - THERMOSTAT (PIPE MOUNTED)
 - TP - TEST/BINDER POINT

