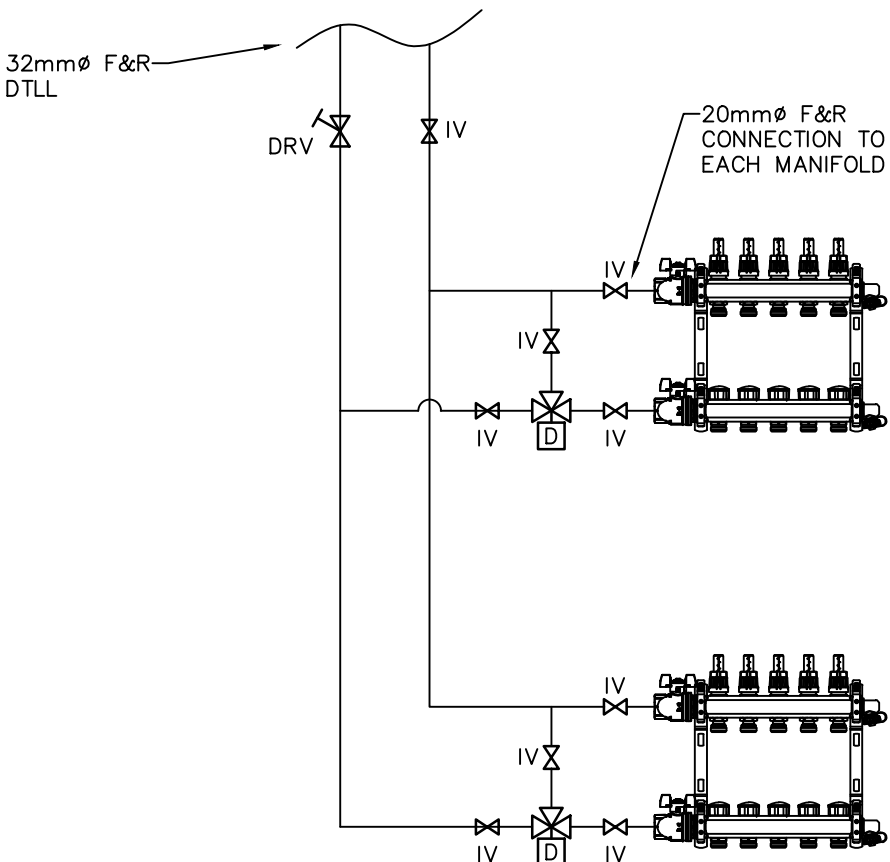
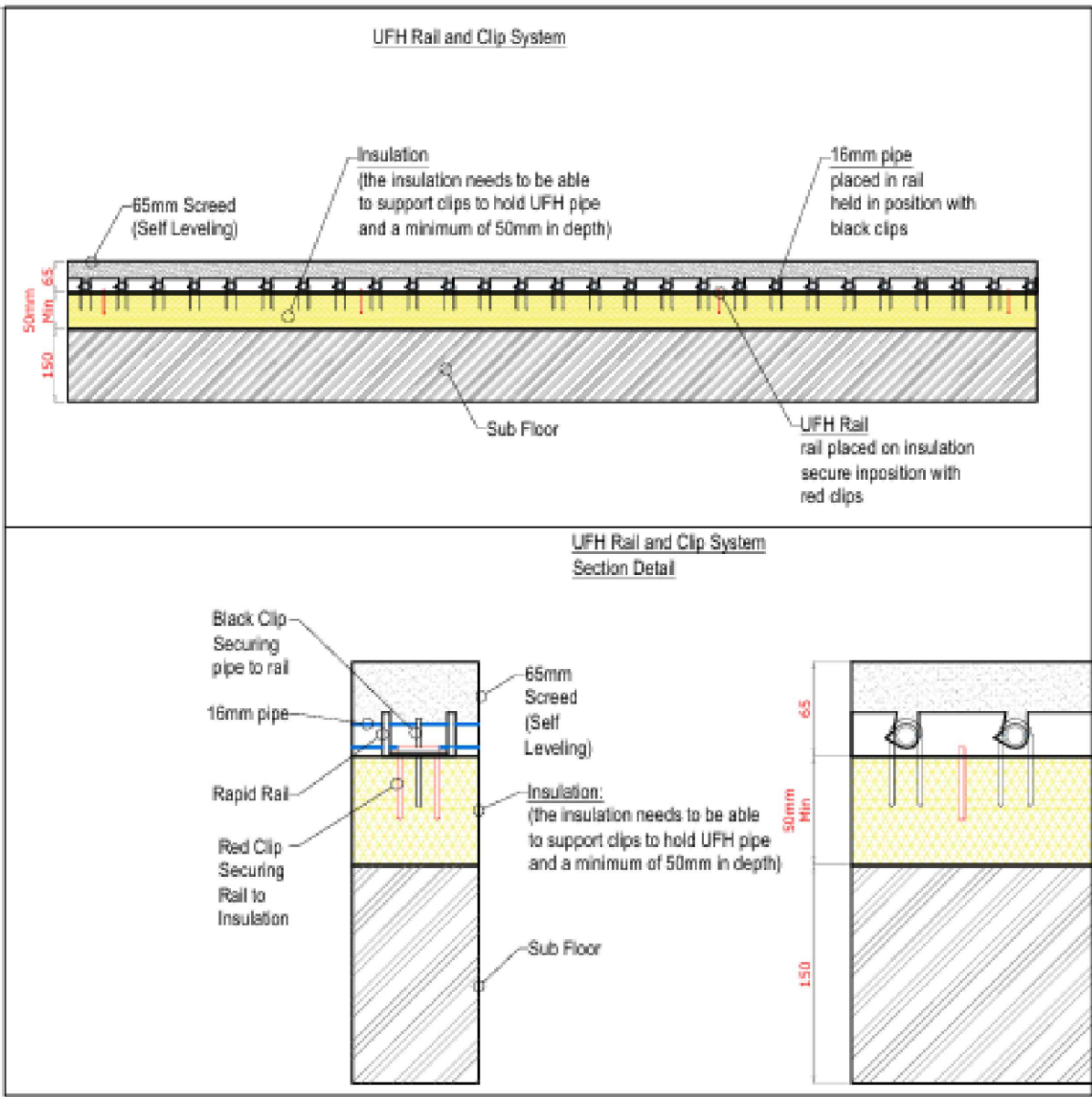
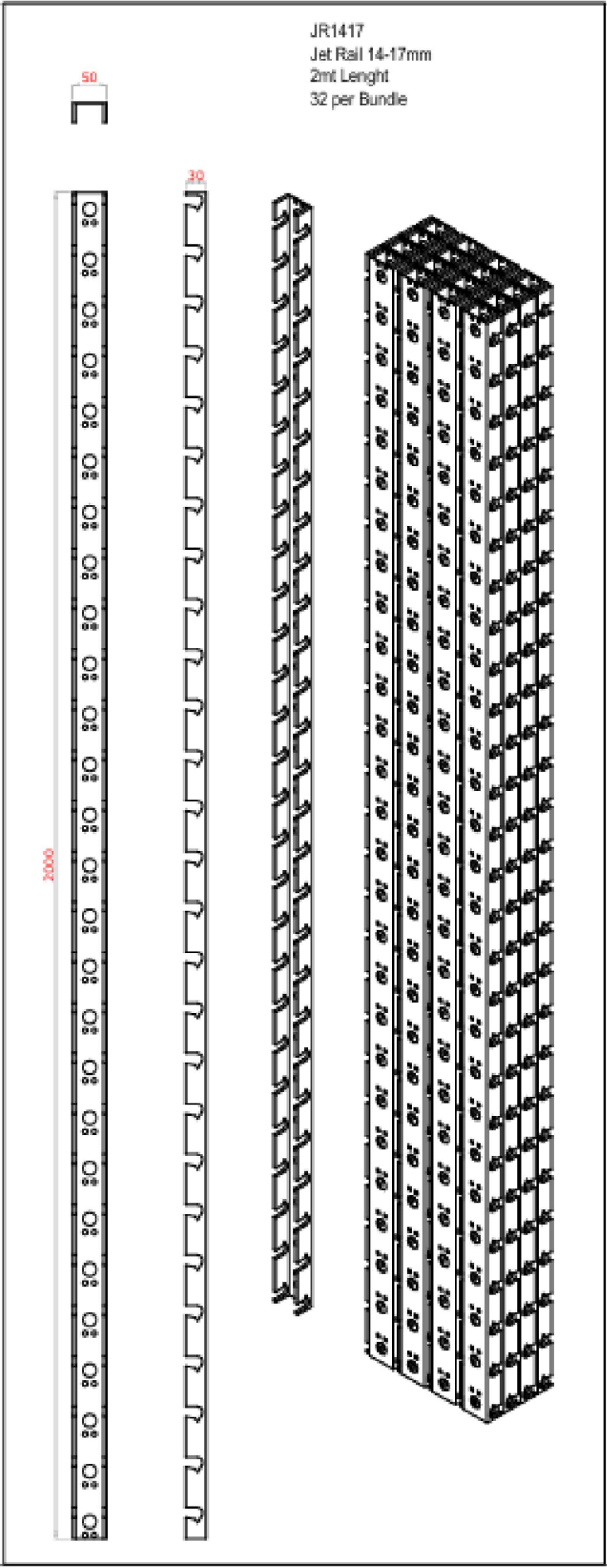
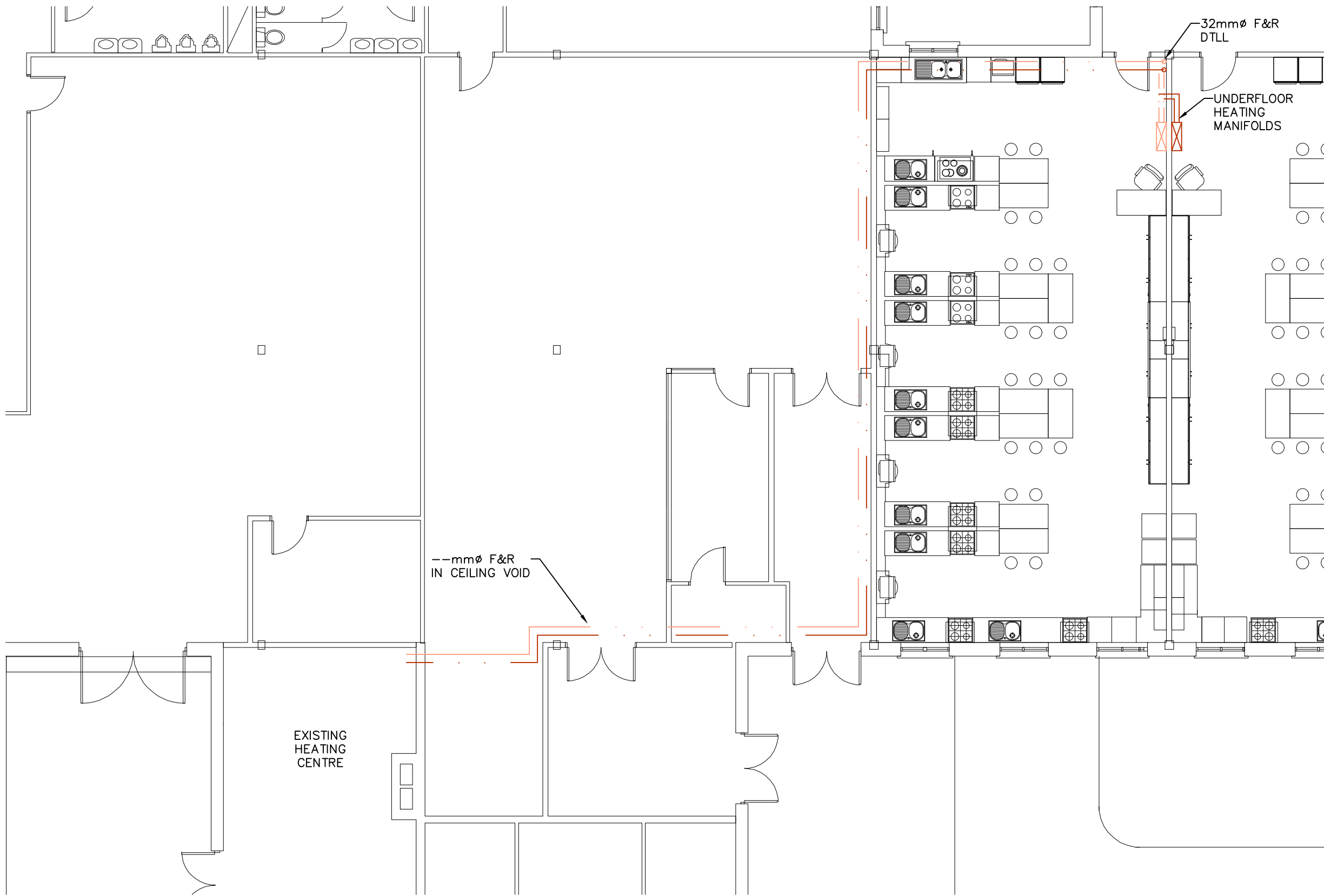


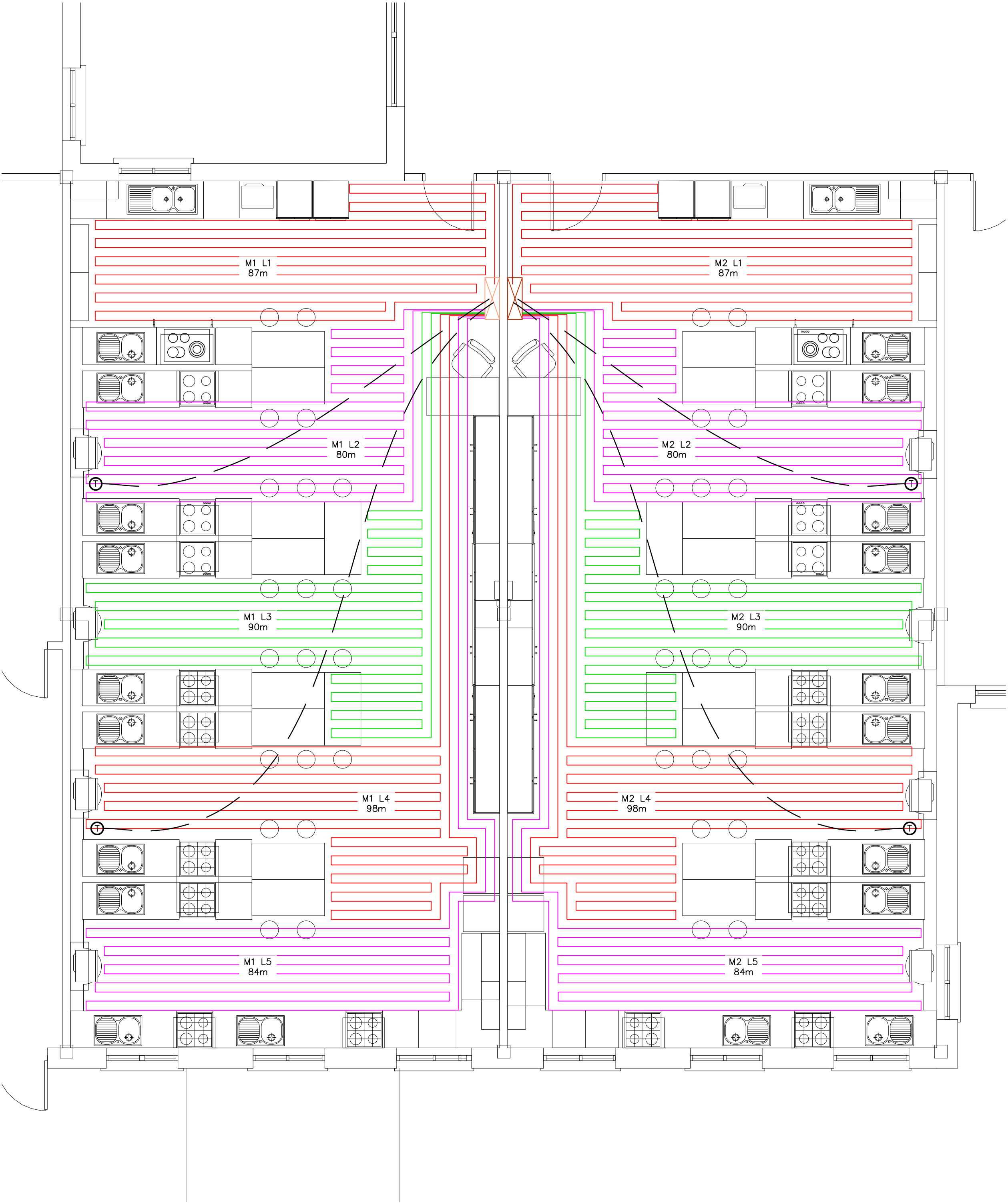
Loop Name	Lenght(m)	Area(m2)	Pipe Spacing	Heating Setpoint (°C)	Max. Load (kW)	UFH Output W/m²	(°C) Flow Temperature	(°C) Return Temperature	ΔT	Flow Rate
C Man 01 Loop 01	87	13	150mm	20	0.85	65	35	27	8	0.0251
C Man 01 Loop 02	80	12	150mm	20	0.78	65	35	27	8	0.0232
C Man 01 Loop 03	90	13	150mm	20	0.85	65	35	27	8	0.0251
C Man 01 Loop 04	98	15	150mm	20	0.98	65	35	27	8	0.0290
C Man 01 Loop 05	84	13	150mm	20	0.85	65	35	27	8	0.0251
C Man 02 Loop 01	87	13	150mm	20	0.85	65	35	27	8	0.0251
C Man 02 Loop 02	80	12	150mm	20	0.78	65	35	27	8	0.0232
C Man 02 Loop 03	90	13	150mm	20	0.85	65	35	27	8	0.0251
C Man 02 Loop 04	98	15	150mm	20	0.98	65	35	27	8	0.0290
C Man 02 Loop 05	84	13	150mm	20	0.85	65	35	27	8	0.0251



3 TYPICAL DETAIL OF UNDERFLOOR HEATING COMPONENTS/INSTALLATION



2 PART GROUND FLOOR PLAN



1 GROUND FLOOR PLAN OF UNDERFLOOR HEATING LAYOUT

NOTES

1. THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE THE PIPEWORK RUNS ON SITE WITH THE ELECTRICAL CONTRACTOR & AGREE THE TRUNKING & CABLE TRAY RUNS ETC PRIOR TO INSTALLATION
2. THE MECHANICAL CONTRACTOR SHALL SET OUT & AGREE ALL OPENINGS REQUIRED IN THE INTERNAL WALLS, FLOORS & CEILINGS WITH THE MAIN CONTRACTOR ON SITE FOR THE MECHANICAL SERVICES INSTALLATIONS
3. THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE THE MECHANICAL SERVICES INSTALLATION WITH THE RELEVANT ARCHITECTS & STRUCTURAL ENGINEERS DRAWINGS & IN PARTICULAR WITH THE ARCHITECTS DETAILED ROOM LAYOUTS PRIOR TO INSTALLATION
4. THE MECHANICAL CONTRACTOR SHALL CHECK ALL RADIATOR SIZES PRIOR TO ORDERING OF THE RADIATORS ETC TO ENSURE THAT THEY CAN BE ACCOMMODATED IN THE LOCATIONS AS INDICATED ON THE DRAWINGS

KEY

---	PIPEWORK BELOW FLOOR LEVEL
---	PIPEWORK AT LOW LEVEL
---	PIPEWORK AT HIGH LEVEL
---	PIPEWORK ABOVE CEILING LEVEL
IV	ISOLATING VALVE
EB	EXPANSION BELLOWS
AP	ANCHOR POINT
GB	GUIDE BRACKET
NR	NEW RADIATOR
LNR	NEW LST RADIATOR
ER	EXISTING RADIATOR
2PV	2-PORT MOTORISED VALVE
V2P	VALVES ON 2 PIPES

REV. BY: DATE: DESCRIPTION:

VOLUME A.3.1

DRAFT TENDER

PROJECT: CLIMATE ACTION - 3No SCIENCE LABORATORIES & 2No HOME ECONOMICS ROOM AT ST TIERNAN'S COMMUNITY SCHOOL, D16
TITLE: LAYOUT OF LPHW SPACE HEATING INSTALLATION - 2No HOME ECONOMIC ROOMS

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DESIGNED: JC DRAWN BY: LP DATE: JUNE 2026 SCALE: AS SHOWN	ARCH: PAUL DILLON ARCHITECTS, MAAM VALLEY, Co. GALWAY CHECKED BY:
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DRG.No. 6940/M56/01	REV. -
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