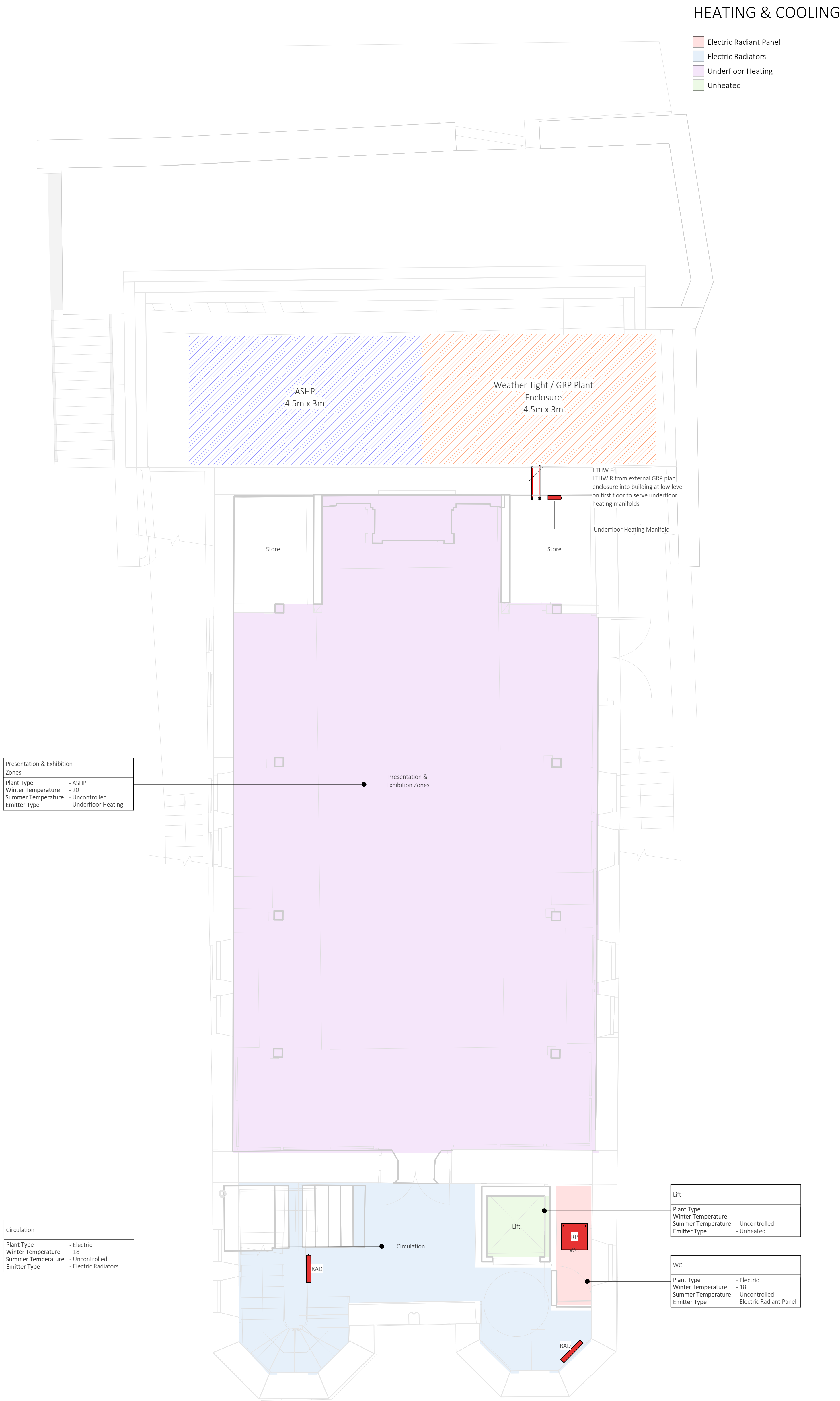
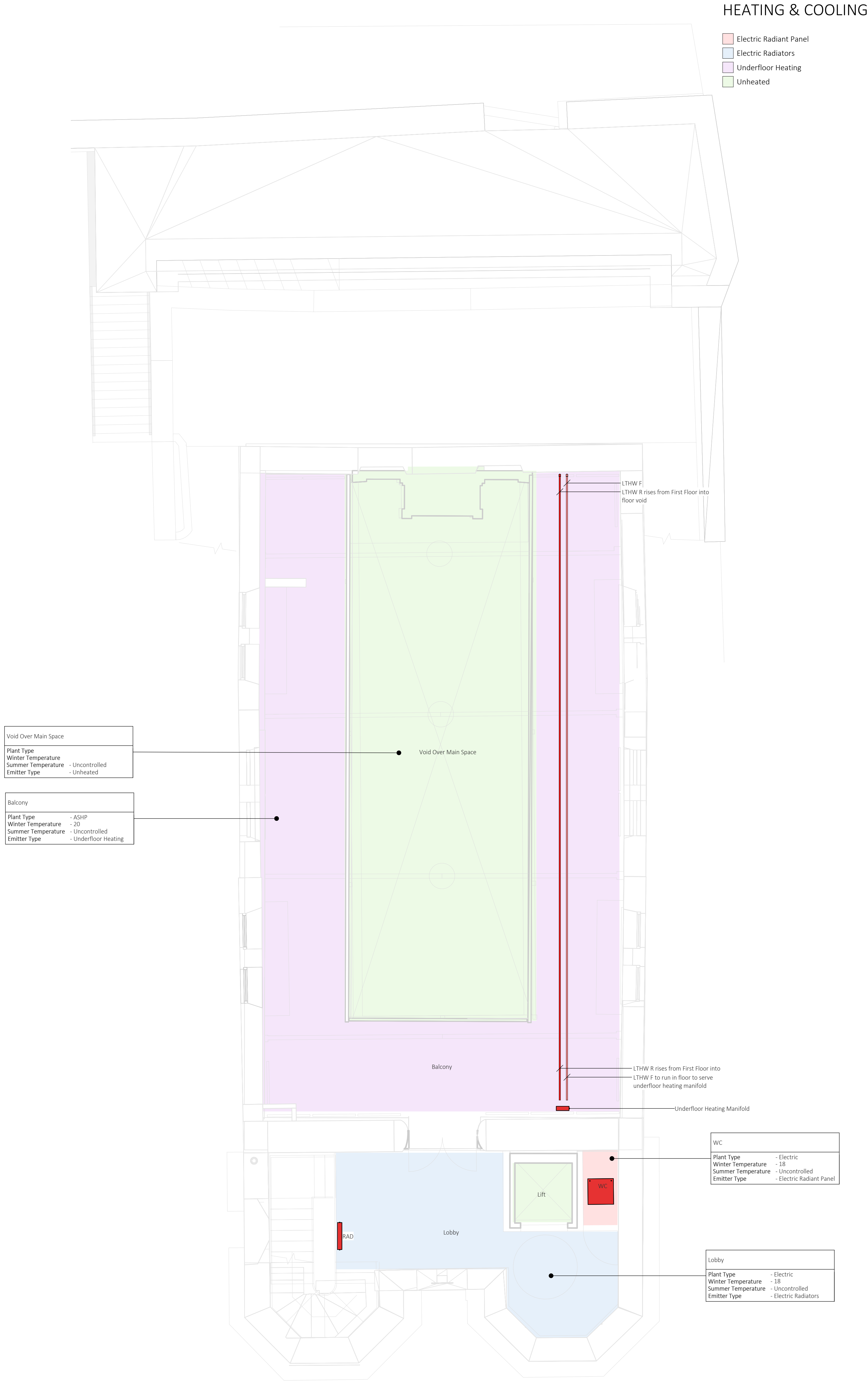


C:\Users\jshen\OneDrive\Documents\2324-HYD-XX-XX-ME-001_2_drawing\hvac\hvac.rvt

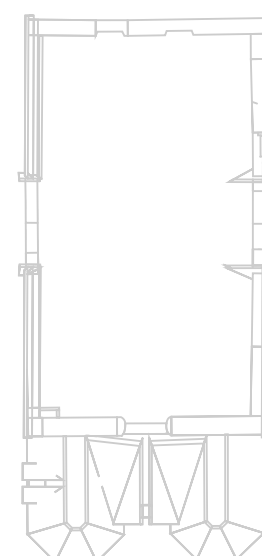
1 First Floor - Heating & Cooling
1 : 50



2 Second Floor - Heating & Cooling
1 : 50



KEY PLAN



NOTES

- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figure dimensions only are to be taken from this drawing.
- This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.
- All plant and equipment to be provided with local isolation to permit individual removal of each item.
- Contractor to agree all final locations of radiators with architect.
- Refrigerant tray shown indicative, final sizing by specialist.
- Any provisions for pipework expansion, pipework guides, and/or anchoring shall be determined by the services contractor based on coordinated construction layouts.
- Pipework to be insulated in accordance with the specification.
- The contractor shall install sufficient commissioning stations (or equivalent) to permit all systems to be fully balanced and commissioned in accordance with relevant publications by BSRIA and CIBSE.
- All low points shall have drain valves. All high points shall be fitted with Automatic Air Vents (AAVs).
- All isolation valves, control valves and servicing valves are to be located on the pipework within accessible positions.
- In all cases where pipes pass through walls and floors the services contractor shall provide and build in sleeves.
- The responsibility for the support of the entire pipework system and associated plant shall be that of the contractor.
- Gaps around services penetrations are to be fire stopped with intumescent mastic sealant.
- Any requirement for water hammer arrestors shall be determined by the contractor.
- All external heating pipework shall be trace heated and insulated to protect against freezing.
- All radiators within accessible areas are to include protective screening or be low surface temperature as per BS6800-2:2018.
- Refer to relevant schematics for valve arrangements.

REVISIONS

POI	Suitable for Review and Comment	13/03/24	AD	GH AH
Rev.	Revision Description	Date	Drawn By	Checked Approved By
			3rd Floor, Wharton Place Cardiff CF10 1G5 t: +44(0)2920 023665 e: cardiff@hydrock.com	

CLIENT

GWP Architect

PROJECT

Merthyr Synagogue

TITLE

Mechanical Services
Heating & Cooling Layout
First Floor & Second Floor

HYDRACK PROJECT NO.	SCALE @ AD	STATUS
28464	1 : 50	S3
STATUS DESCRIPTION	SUITABLE FOR REVIEW & COMMENT	REVISION
2324-HYD-XX-XX-DR-M-2501		P01