



(2) Ground Floor - Heating & Cooling

1 Lower Ground Floor - Heating & Cooling

S

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. Figured 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 Units (AAUs).

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 at low surface temperature as per BS8300-2:2018.

Refer to relevant schematics for valve arrangements.

IONS											
<table border="1"> <tr> <td>Suitable for Review and Comment</td> <td>13/03/24</td> <td>AD</td> <td>GH AH</td> </tr> <tr> <td>Revision Description</td> <td>Date</td> <td>Drawn By</td> <td>Checked Approved By</td> </tr> </table>				Suitable for Review and Comment	13/03/24	AD	GH AH	Revision Description	Date	Drawn By	Checked Approved By
Suitable for Review and Comment	13/03/24	AD	GH AH								
Revision Description	Date	Drawn By	Checked Approved By								
		3rd Floor, Wharton Place 13 Wharton St Cardiff CF10 1GS t: +44(0)2920 023665 e: cardiff@hydrock.com									
Hydrock											
WP Architect											
ECT											
erthyr Synagogue											
<p>mechanical Services heating & Cooling Layout ower Ground Floor & Ground Floor</p>											
OCK PROJECT NO. 464	SCALE @ A0 1 : 50										
US DESCRIPTION FITABLE FOR REVIEW & COMMENT		STATUS S3									
VING NO. 24-HYD-XX-XX-DR-M-2500		REVISION P01									