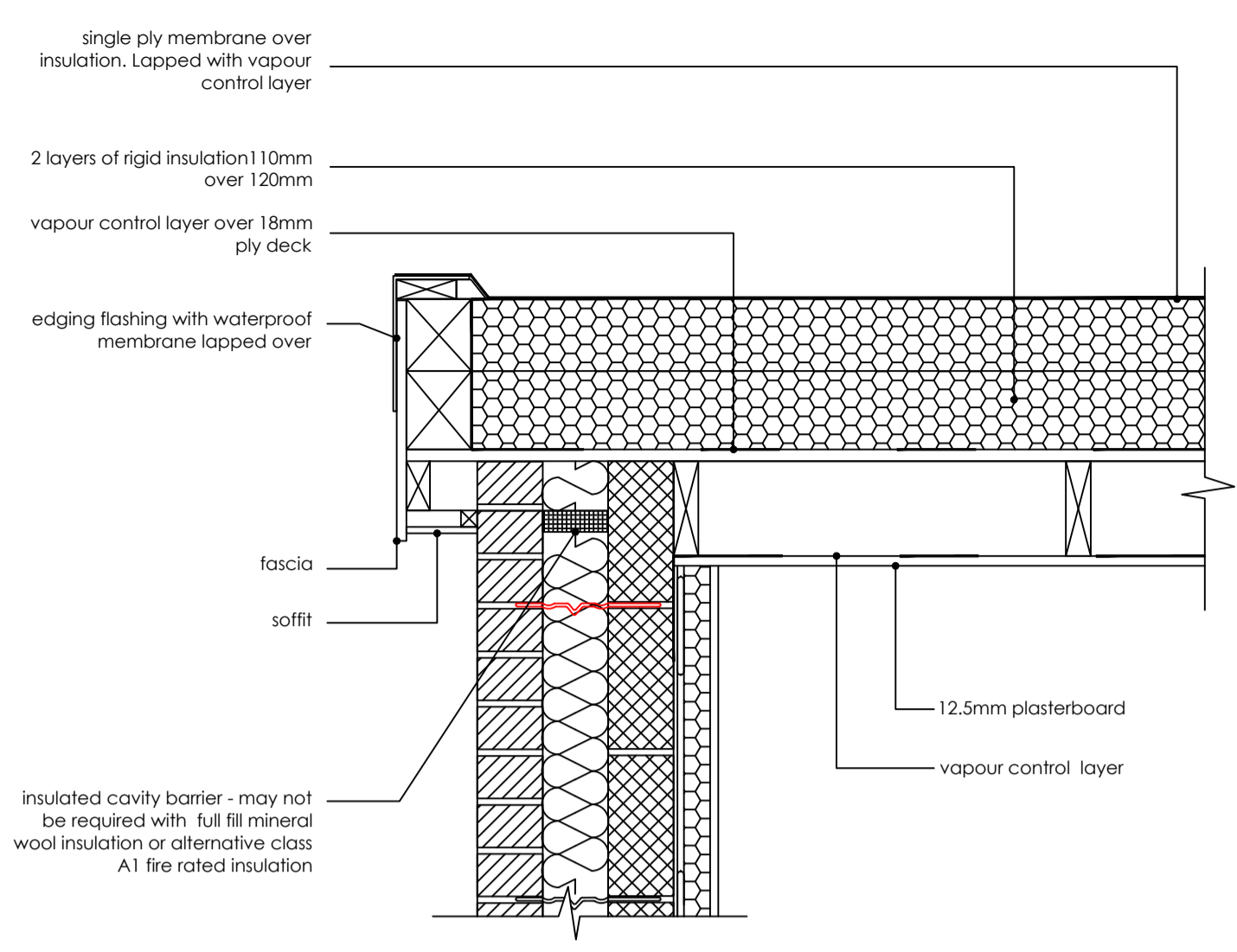


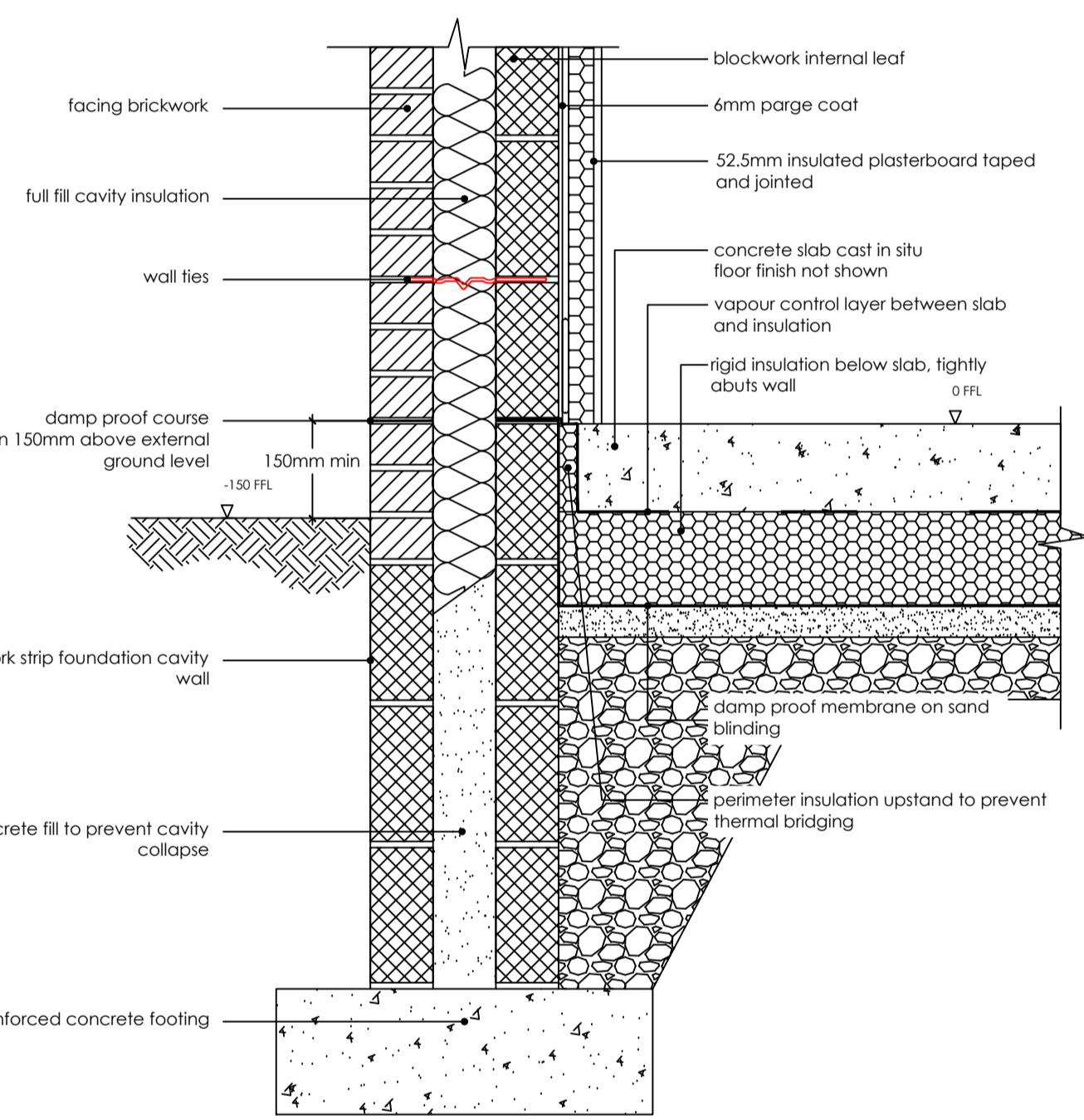
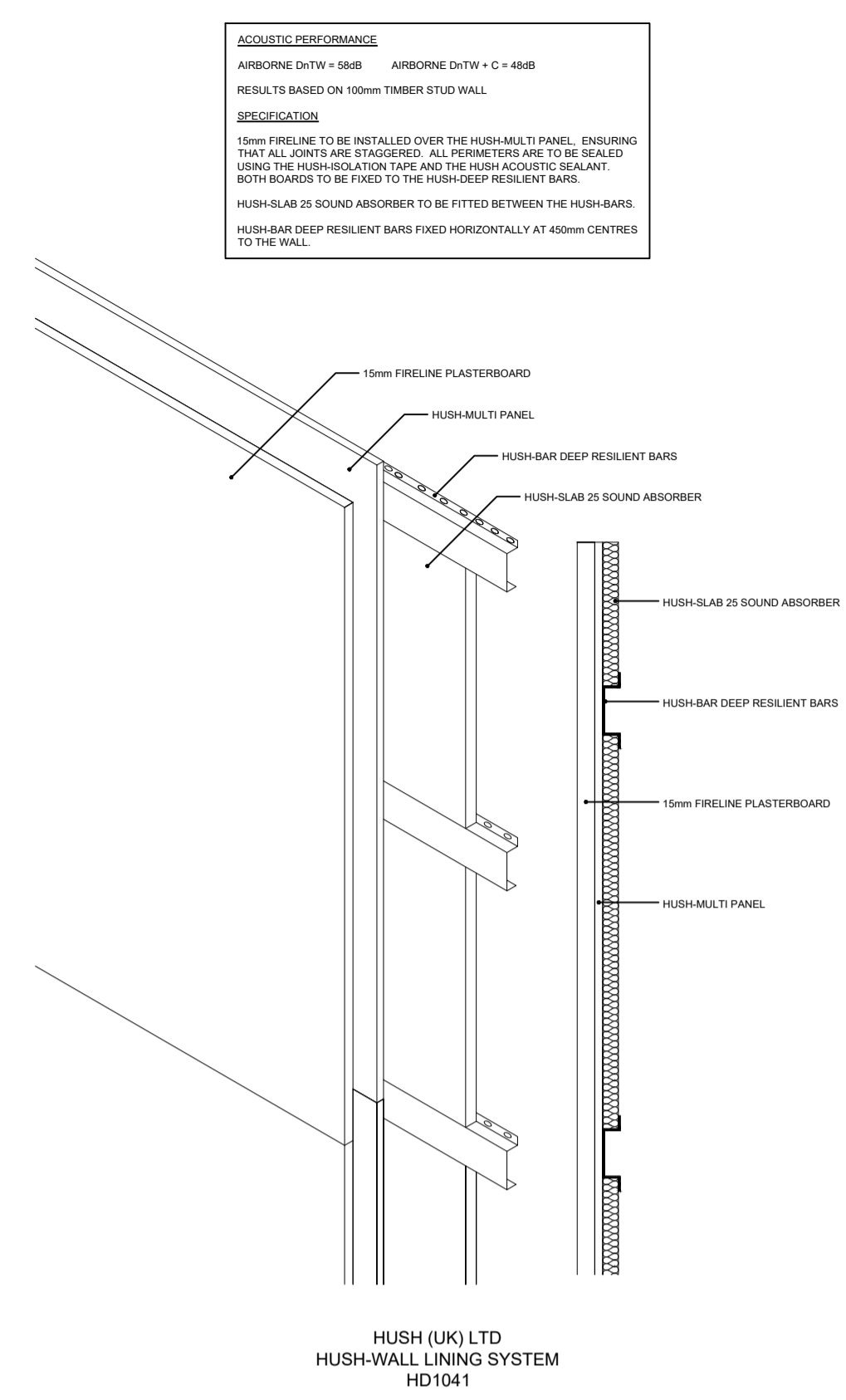
**M-W5** EXTERNAL MASONRY CAVITY WALL, Full fill, insulated service void

External wall to meet min. U-Value 0.18 W/m<sup>2</sup>K. Insulation thickness and specification according to project requirements. Insulated plasterboard cannot be used directly on non rendered solid masonry walls, where there is a risk of moisture penetration. Some insulated plasterboards integrate a vcl to prevent any moisture ingress and require boards to be taped similarly to a vcl layer. Check manufacturers instructions. Concrete block thickness, density and tie requirements are project specific and should be specified by the structural engineer. Parge coat thickness and specification in accordance with manufacturers recommendations.



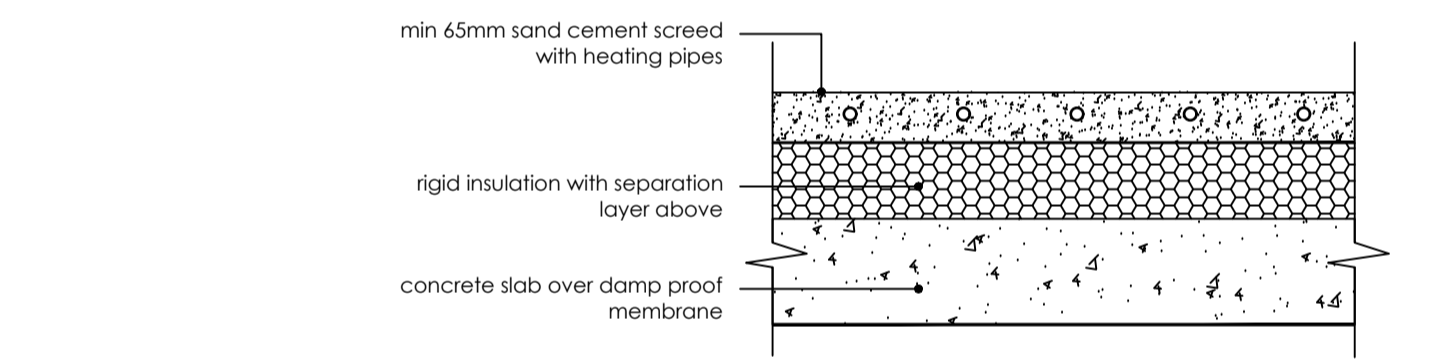
**M-R6A** MASONRY CAVITY WALL FLAT ROOF - VERGE DETAIL Warm roof - Insulation above roof deck

External wall to meet min. U-Value 0.18 W/m<sup>2</sup>K, flat roof to meet min. U-Value 0.11 W/m<sup>2</sup>K. Insulation thickness adjustable according to insulation specification and project requirements. Cavity barrier slows the spread of smoke and fire between the external wall and roof. Cavity barriers need to be fitted tightly, with no gaps however they can sometimes be omit if using fire class A1 full fill mineral wool insulation. Typical flat roof to detail shown. Thickness of roof build-up can be reduced through the use of vacuum insulation.



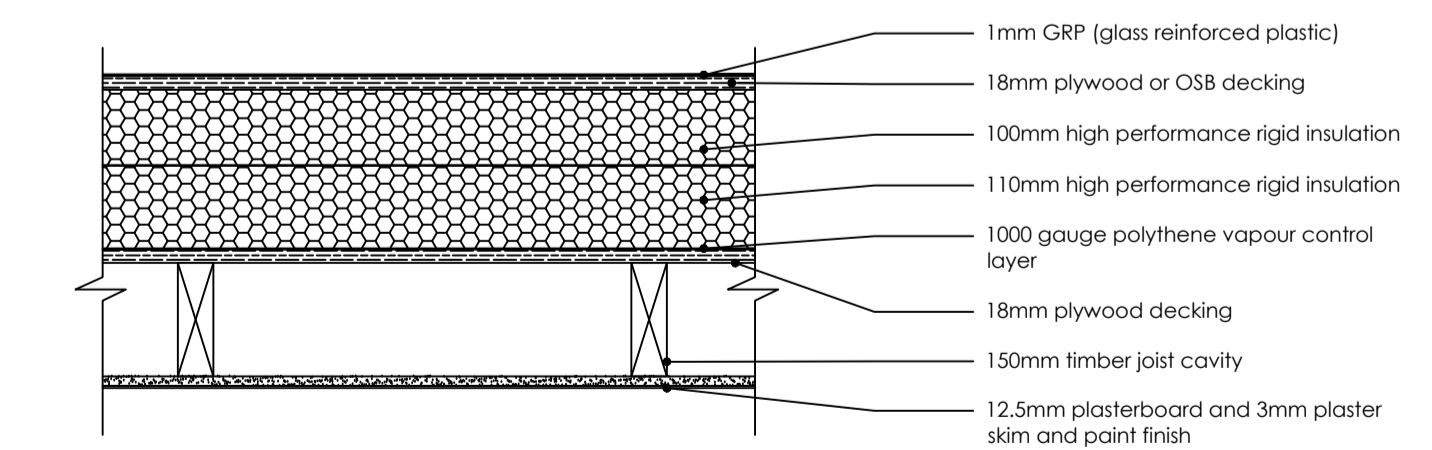
**M-G1A** EXTERNAL MASONRY CAVITY WALL, GROUND BEARING CONCRETE SLAB, INSULATION BELOW SLAB, CAVITY FOUNDATION WALL OPTION

Ground floor to meet min. U-Value 0.13 W/m<sup>2</sup>K. Perimeter strip of insulation abuts concrete slab and blockwork wall. Concrete slab ready to receive floor finish.



**M-G12** UNDERFLOOR HEATING Screed finish - insulation over slab

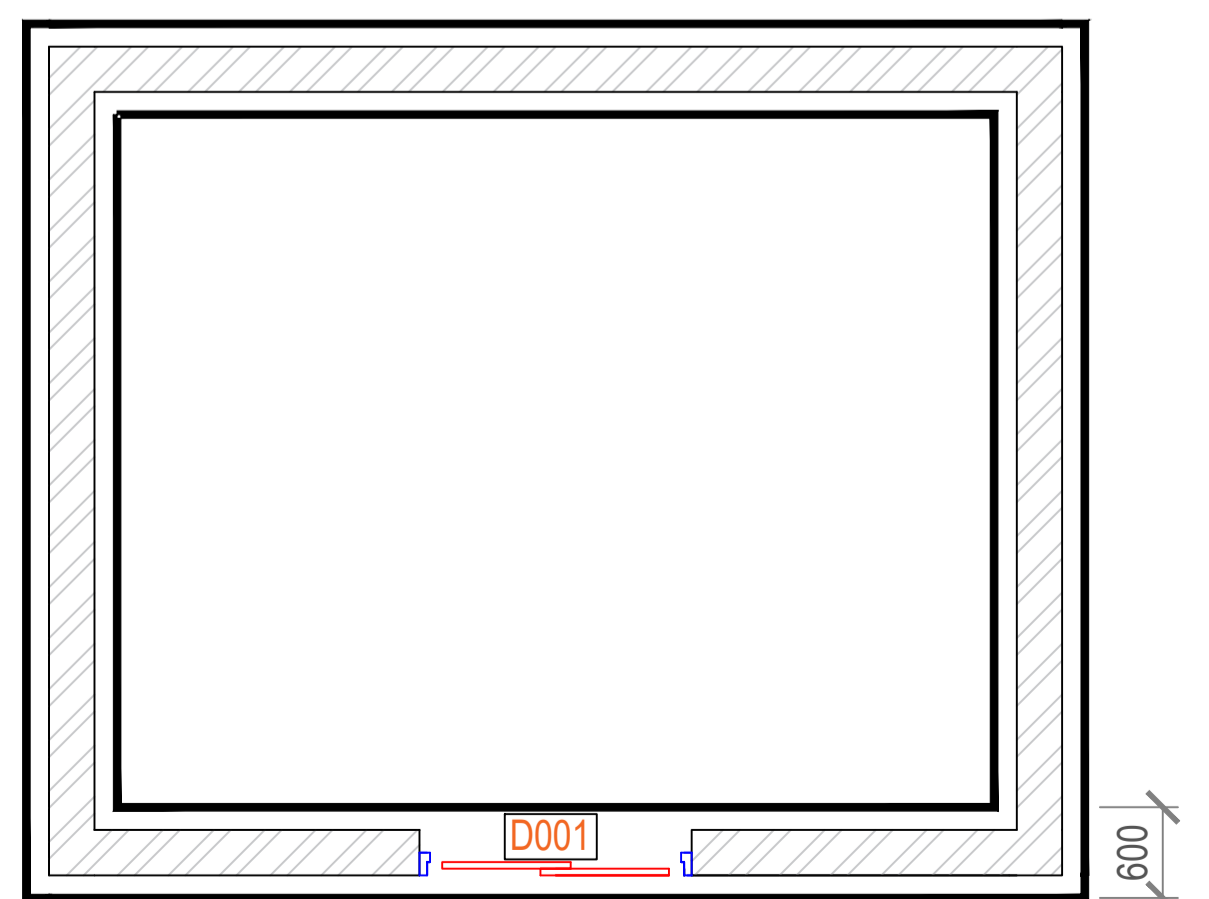
Underfloor heating design, layout and heating pipe specification according to project requirements and manufacturers recommendations. Consult underfloor heating manufacturers / suppliers for further information.



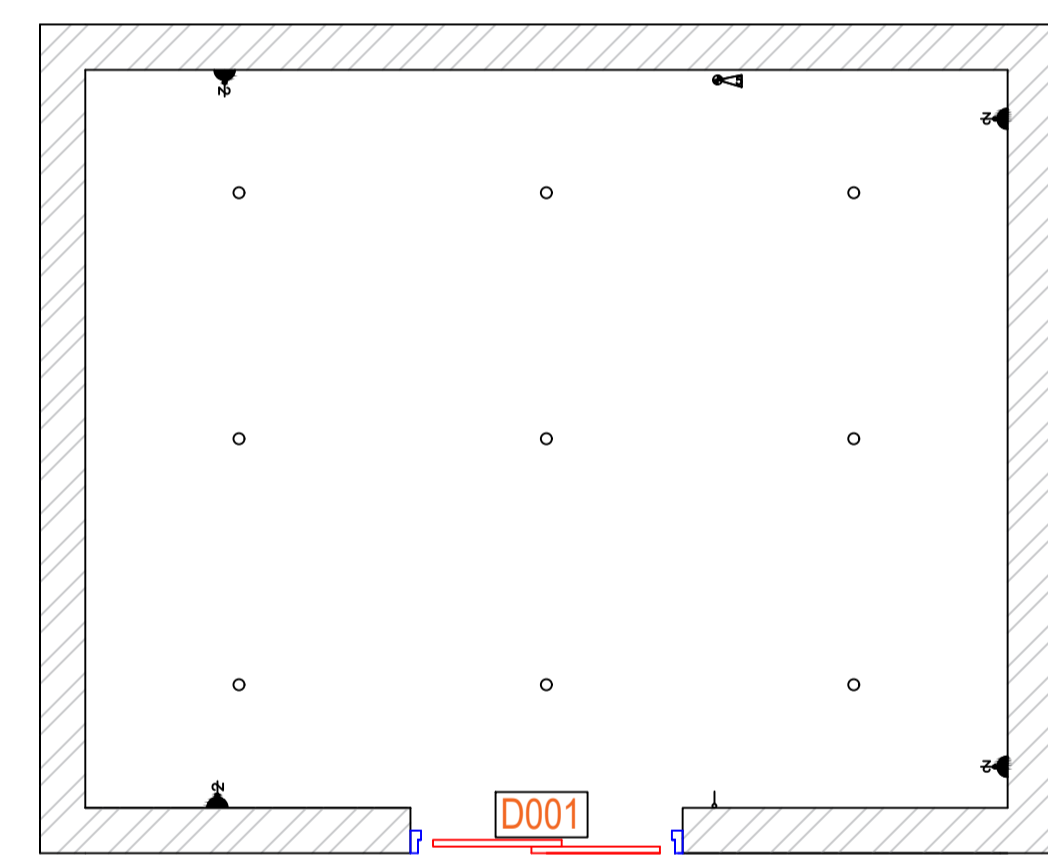
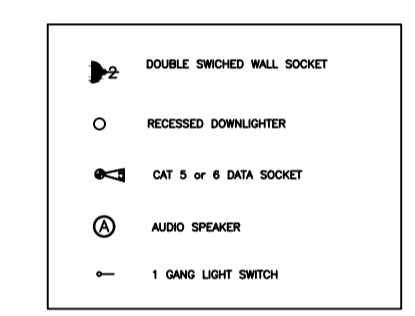
**DL-127** GRP flat roof - 0.11W/m<sup>2</sup>K high performance insulation

Detail notes: Typical GRP flat roof with high performance rigid insulation shown. Flat roof to meet min. U-Value 0.11 W/m<sup>2</sup>K. Insulation thickness adjustable according to insulation specification and project requirements. Vapour control layer specification according to insulation specification. All flat roofs should be designed with an incline according to BS 6229 & BS 8217: flat roofs should be designed with minimum falls of 1:40 to ensure a finished fall of 1:80 can be achieved, allowing for any inaccuracies in the construction. This applies to general roof areas along with any internal gutters.

C25 Concrete Strip Footing  
300mm thick x 600mm wide  
See Detail M-G1A

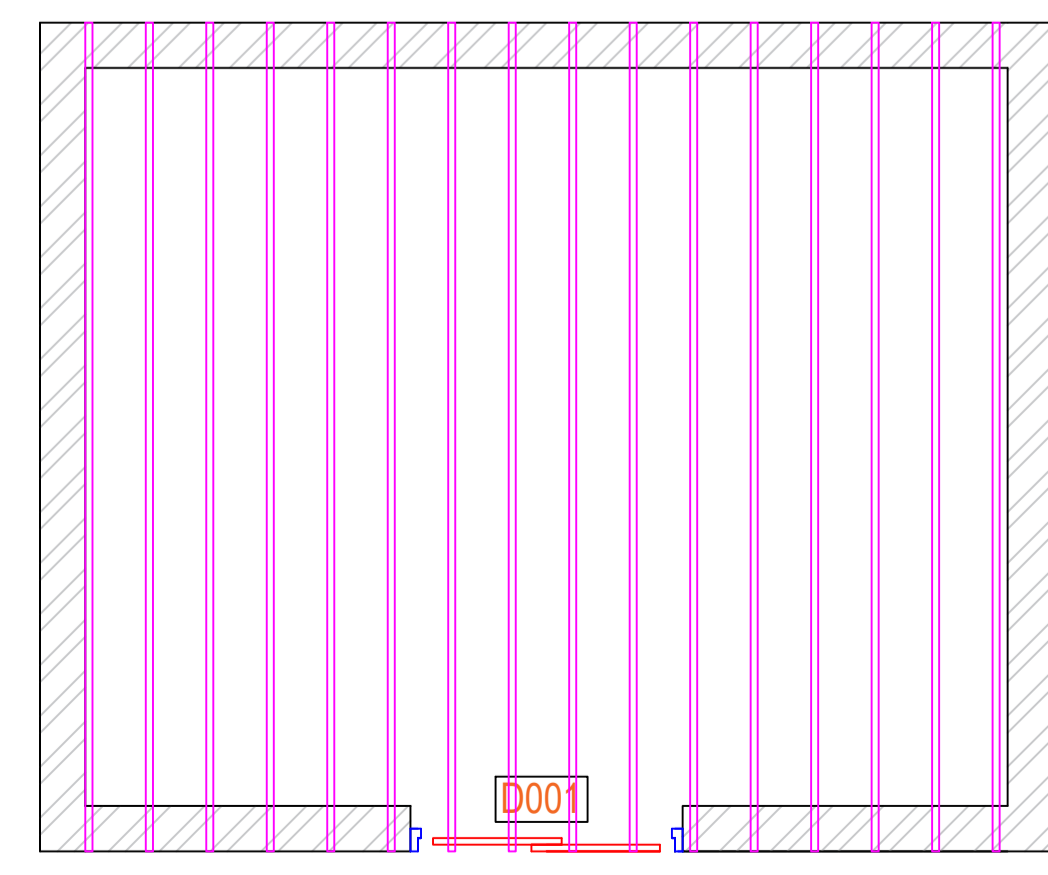


Proposed Foundation Plan  
Scale 1:50 @ A1



Proposed Electrical Plan  
Scale 1:50 @ A1

Roof Joist Strength Class C24  
47mm x 195mm  
Imposed Load not exceeding  
0.75 kN/m<sup>2</sup> @ 400c/c.



Proposed Roof Joist Plan  
Scale 1:50 @ A1

**NOTES**

LEVELS ARE RELATED TO O.D. (NEWLYN). ALL HATCH PATTERNS ARE REPRESENTATIVE OF SURFACE MATERIALS AND ARE FOR ILLUSTRATION ONLY. ACTUAL CONSTRUCTION MAY DIFFER.

ALL DIMENSIONS ARE APPROXIMATE DO NOT SCALE FROM THIS DRAWING UNLESS FOR PLANNING PURPOSES. FIGURED DIMENSIONS ONLY ARE TO BE USED.

ALL DIMENSIONS MUST BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY FABRICATION OR BUILDING WORKS.WHERE APPLICABLE, DIMENSIONS AND DETAILS ARE TO BE READ IN CONJUNCTION WITH SPECIALIST CONSULTANTS' DRAWINGS; ANY DISPARITY BETWEEN DRAWINGS IS TO BE BROUGHT TO THE ATTENTION OF AS ARCHITECTURAL SERVICES PRIOR TO THE COMMENCEMENT OF ANY FABRICATION OR BUILDING WORKS.THIS DRAWING IS THE PROPERTY OF AS ARCHITECTURAL SERVICES AND MAY NOT BE REPRODUCED WITHOUT THEIR PERMISSION.

APPLICATION TYPE:

PRE-CONSTRUCTION

PLANNING PERMISSION

BUILDING REGULATIONS

DRAFT ISSUE NO. 001

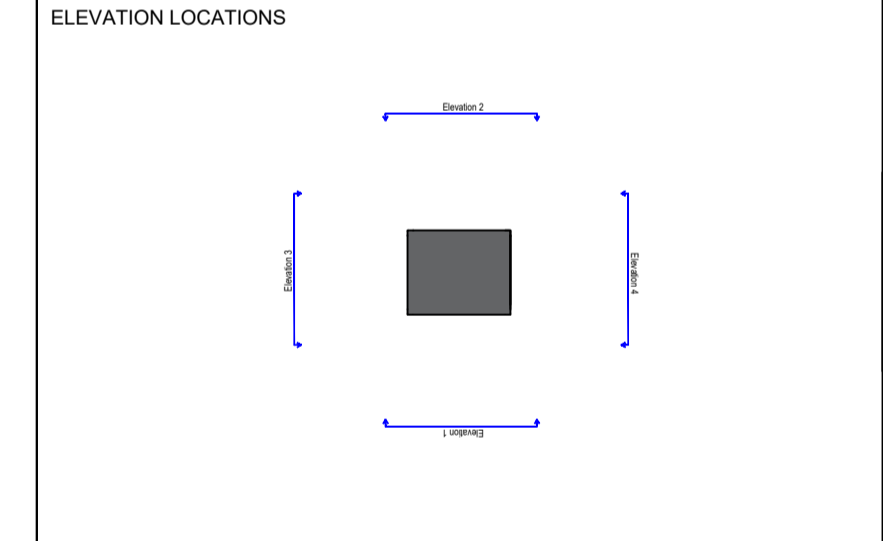
DRAFT ISSUE TYPE

CONCEPT DESIGN

DESIGN

TECHNICAL

CONSTRUCTION



CLIENT

Mr. Phil Goatley

PROJECT

28 Hall Close,  
Nafferton,  
YO25 4JN

DRAWING NO.

DWG-003 CONSTRUCTION DETAILS

SCALE	1:10 & 1:50 (UNLESS OTHERWISE STATED)	DRAWN	<input checked="" type="checkbox"/> AES	<input checked="" type="checkbox"/> LK
		CHECKED	<input type="checkbox"/> AS	<input type="checkbox"/> SS
SURVEYED	15/02/2024		<input checked="" type="checkbox"/> AES	
ISSUE DATE	15/03/2024		<input checked="" type="checkbox"/> AES	



ORIGINAL SIZE	JOB NO./DRAWING SHEET NO.	REV
A1	Job No. 0617 DWG-003 OF 003	A