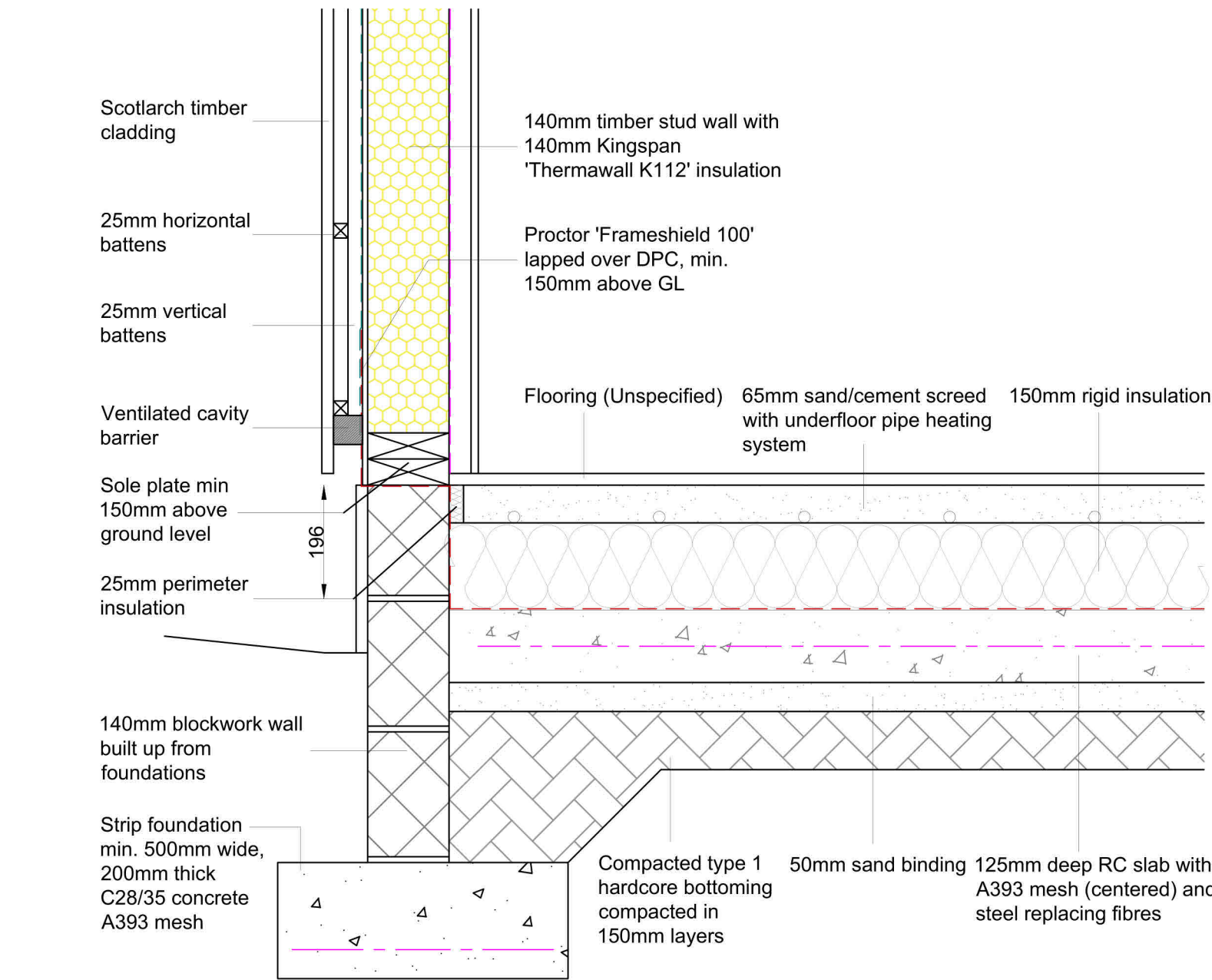


Detail 2 @ 1:10



Detail 1 @ 1:10

Rooflights

12no. Fakro Conservation Window FPP - V/C (660 x 978mm) rooflight, complete with flashing's etc to upstands, fitted strictly in accordance with the manufacturer's recommendations. All with max U-value of 1.2 W/sq.m.k

Cills

External cills to be precast granite to match existing, wrapped in DPC on all unexposed surfaces. Internal cills to be timber

Structural Protection

Short fire resistance duration (30 mins) to be provided to all elements of structure, via 12.5mm plasterboard, taped and filled

Cavity Barrier

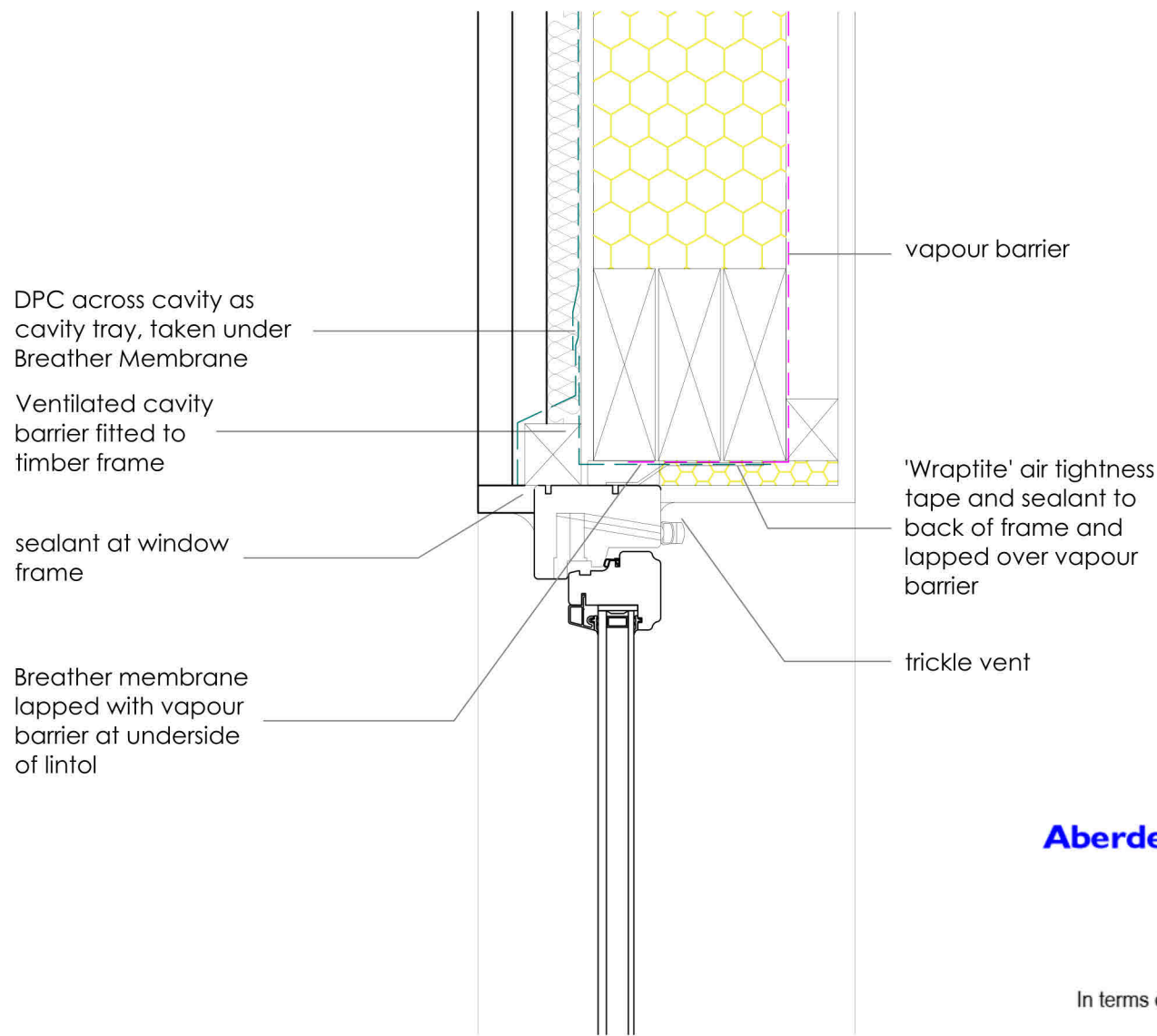
Rockwool SP Firestop OSCB, or similar approved; providing 120mins fire resistance. Cavity barriers to be provided at max. 10m intervals, at wall head/eaves, first floor levels, and around all openings

Thermal Bridging and Air Infiltration

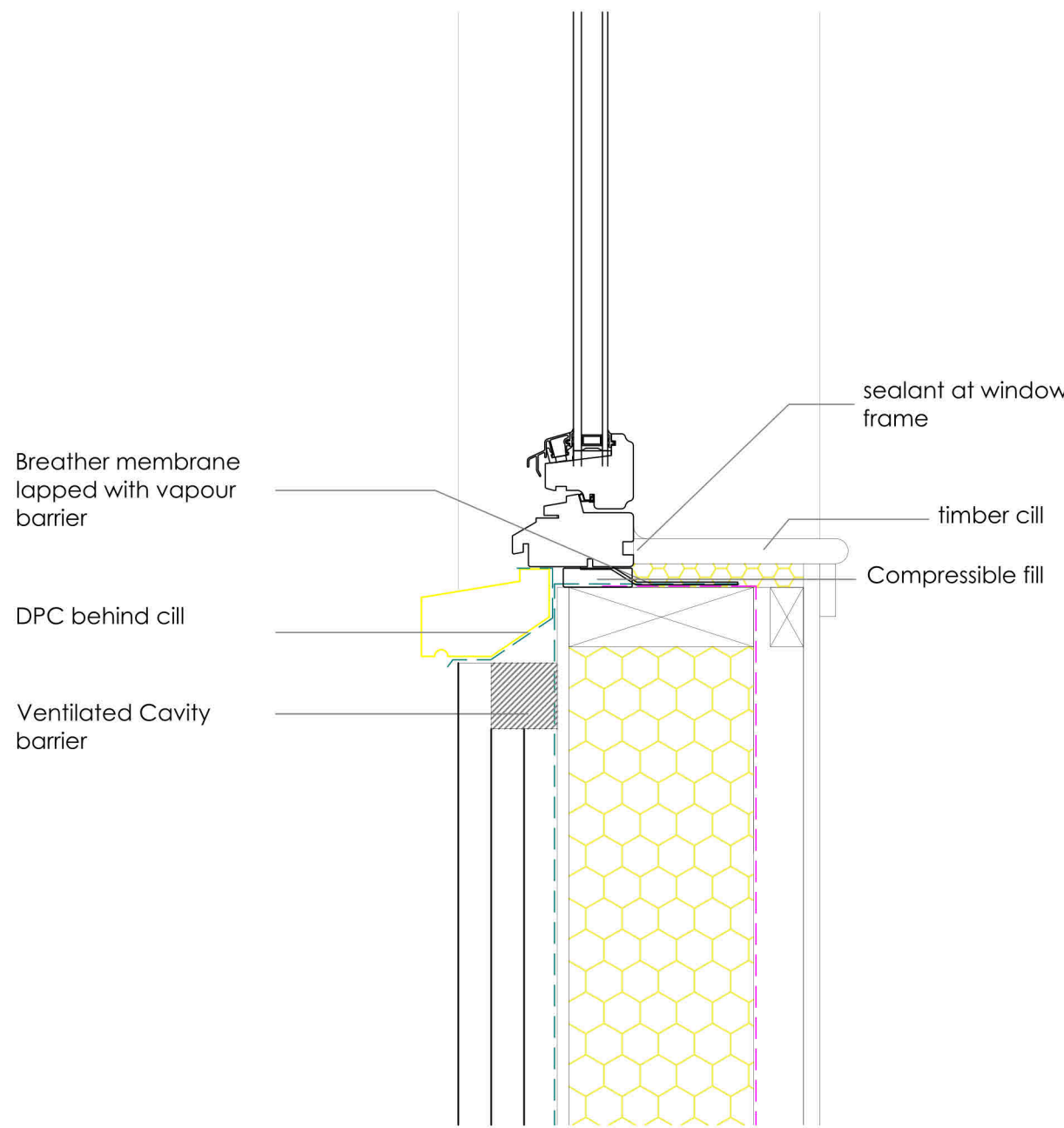
Care to be taken during construction to ensure that heat loss and thermal bridging and air infiltration is limited to comply with Section 6.2.10 of the Building Standards and as per the guidance set out in the BSD document 'Accredited Construction Details (Scotland) 2015'.

Insulation to be tightly fitted against and between construction elements, to eliminate gaps and prevent slump or movement that could degrade performance. Continuity of insulation to be maintained at junctions and around openings and service penetrations.

Continuous air barrier to be fitted to limit air infiltration as shown on details. All junctions and services penetrations to be taped and sealed.



Detail 4 @ 1:10



Detail 3 @ 1:10

Ground Floor Construction : CONCRETE FLOOR

150mm minimum hardcore, 50mm sand binding, 125mm RC concrete ground bearing in-situ structural slab with 1 no. layer A393 reinforced mesh centered, 1000 Gauge Visqueen DPM to be tied into wall waterproofing, 150mm Kingspan Kooltherm K103 Floorboard insulation, 65mm sand/cement screed with underfloor pipe heating system, with flooring as chosen by client.

Internal Timber Framing Construction : TIMBER KIT

Existing wall, 50mm cavity, Proctor 'Reflectatherm Plus' vapour barrier on 9mm sarking board, C16 44 x 140mm timber stud wall with 140mm Kingspan 'Thermawall K112' insulation between, Proctor 'Reflectatherm Plus' vapour barrier, 38mm service void and 12.5mm plasterboard to achieve a min 10kg/m²

External Wall Construction : TIMBER KIT/BLOCKWORK WALL

Scotlarch timber cladding, on 25mm timber battens, on 25mm timber battens, on 9.5mm external grade plywood sheathing, on 38 x 140mm (C16) studs at 600mm centres with 140mm Kingspan Thermawall K112 insulation between, vapour barrier control layer, 38mm service void and 12.5mm plasterboard.

Internal Wall Construction : TIMBER KIT

75x38mm (C16) timber studs at 600mm centers, with Rockwool acoustic insulation or similar approved which achieves a min 10-60kg/m² between, and 12.5mm plasterboard to achieve a min 10kg/m² both sides.

Roof Construction

New roof to be slate to match existing, on proctor roofshield breather membrane, on 25 x 38mm timber battens, on 22mm softwood (min of 2mm gap between boards) on TR26 47 x 195mm trusses at 600mm centres with 195mm Kingspan Thermapitch TP10 insulation between (rafters to be doubled up either side of Fakro Conservation Rooflights, with double bridles top and bottom), 25mm rigid insulation with 12.5mm plasterboard ceiling finish, rainwater goods to match existing.

Code 5 lead flashing.

Substructure Walls

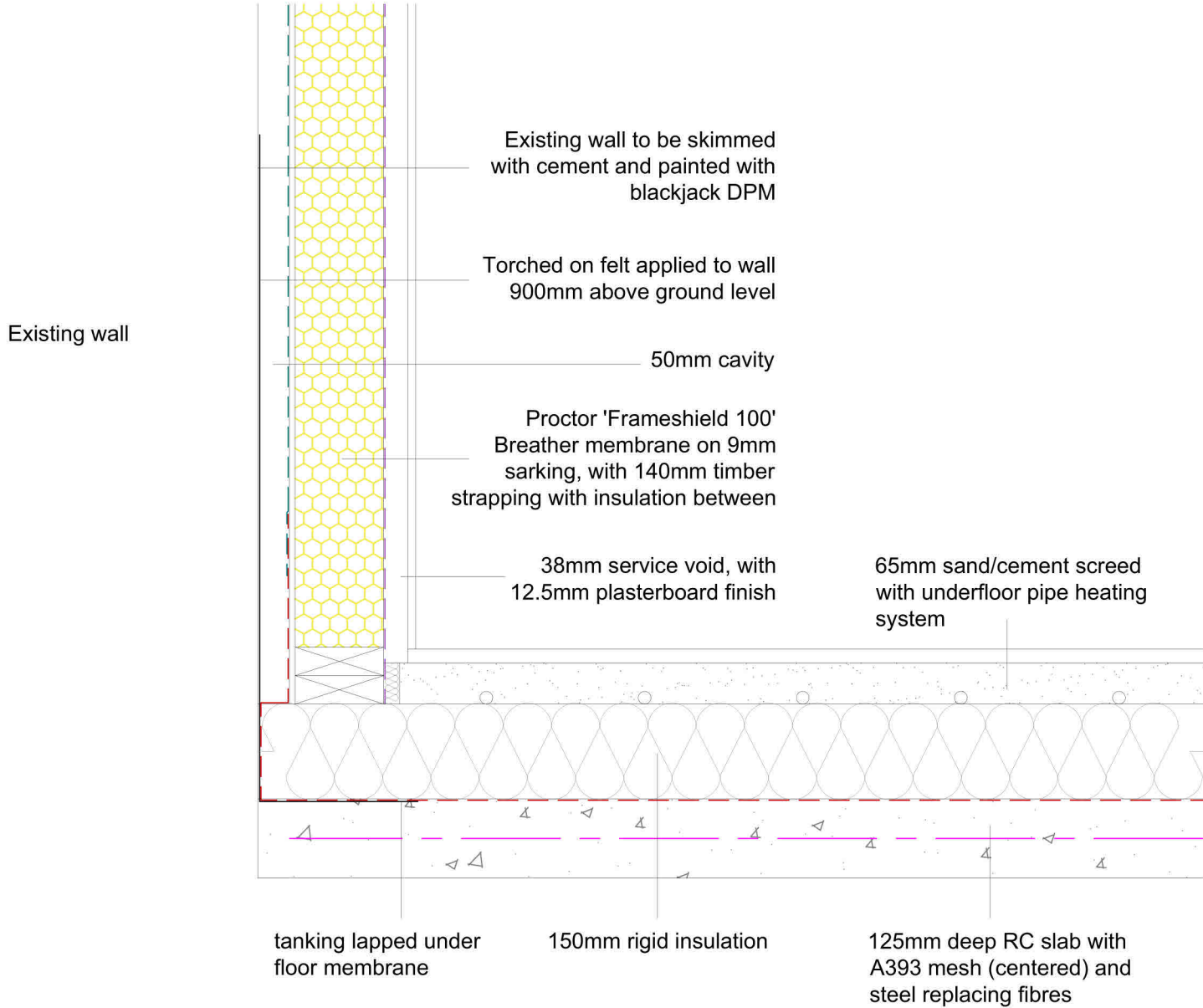
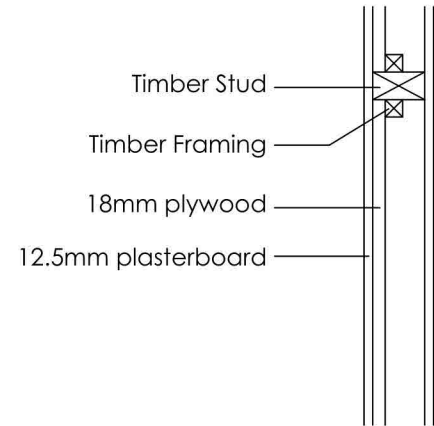
The substructure walling from foundation level to damp proof level to be cavity wall construction consisting of dense concrete block.

External walls, onto 140mm thick solid concrete blockwork sleeper walls onto reinforced concrete strip foundation, with 1no. layer A393 mesh bottom. Cavity to be filled to sub-floor level with mortar/lean mix concrete and weep holes. Minimum 450mm frost protection cover required above top of foundation.

Load bearing walls, onto slab, with 140mm thick solid concrete blockwork sleeper walls below onto reinforced concrete strip foundation, with 1no. layer A393 mesh bottom.

Robust Construction: SHOWER/BATHROOM

Accessible sanitary walls to be of robust construction in accordance with Section 3.12.3 of the Building Standards; The robust detail support should extend out to either the edge of an adjacent wall of min. 300mm past the edge of the fitment. It should also be min. 300mm from floor level up to 1.8m high.



Detail 3 @ 1:10

General Notes

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B	Drawing amendments	12.09.22
A	Drawing amendments	05.07.22
Rev.	Reason	Date

Project Name and Address
Conversion of Former Milking Parlour,
Keith Hall Estate,
Inverurie,
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Drawing Warrant Details	Sheet
Date 11/05/2022	BW4
Scale As Noted @ A1	