

Ventilated Standing Seam Roof
to achieve U-value 0.16W/m²K

Rheinzink standing seam cladding on vapozinc structured underlay on 18mm WPB plywood boards. Nails to fix boards countersunk to avoid contact with zinc.

50-50mm firrings to create fall and ensure continuous ventilation at top and bottom of roof. Nail penetrations when fixing battens to rafters to be tape and sealed.

Pro Clima Solitex Plus Breather membrane, overlaps taped and sealed.

200mm sw rafters infilled with 200mm Rockwool Flexi insulation on 220mm deep joists with 60mm Rockwool Flexi between, resting on 25x38mm sw battens to create service zone.

Pro Clima Intello VCL, edges and overlaps taped and sealed with Pro Clima Tescon Vana adhesive tape.

12.5mm plasterboard and skim coat finish

Roof Drainage

Ply lined drainage channel with Epdm rubber roof covering. Depth to be a minimum of 150mm and width to be a minimum of 250mm wide, as per Rheinzink recommendations.

DPC supported over type J cavity support and closer

Stone Wall
to achieve U-value 0.24W/m²K

150mm Natural Stone, to match existing

Stainless steel timber frame ties at either; a horizontal spacing of 900mm, and vertical spacing of 450mm; or no less than 2.5 ties per sqm. Installation of ties adjacent to openings, movement joints and verges - ties should be no more than 300mm apart vertically and within 225mm of all vertical edges. Ties to have a minimum embedment depth of 50mm.

SureCav 50 panel to create 50mm cavity

Pro Clima Solitex Plus Breather membrane

12mm OSB Sheathing

89mm timber studs at 400c/c infilled with 90mm Rockwool Flexi insulation

47x50mm vertical battens at 400c/c infilled with 50mm Rockwool Flexi insulation to create service zone

12.5mm plasterboard and skim coat finish

Proposed Foundations

Trench Fill foundations to Structural Engineers design.

Ground Floor
to achieve U-value 0.20W/m²K

22mm Floor finish allowance

75mm screed with under floor heating

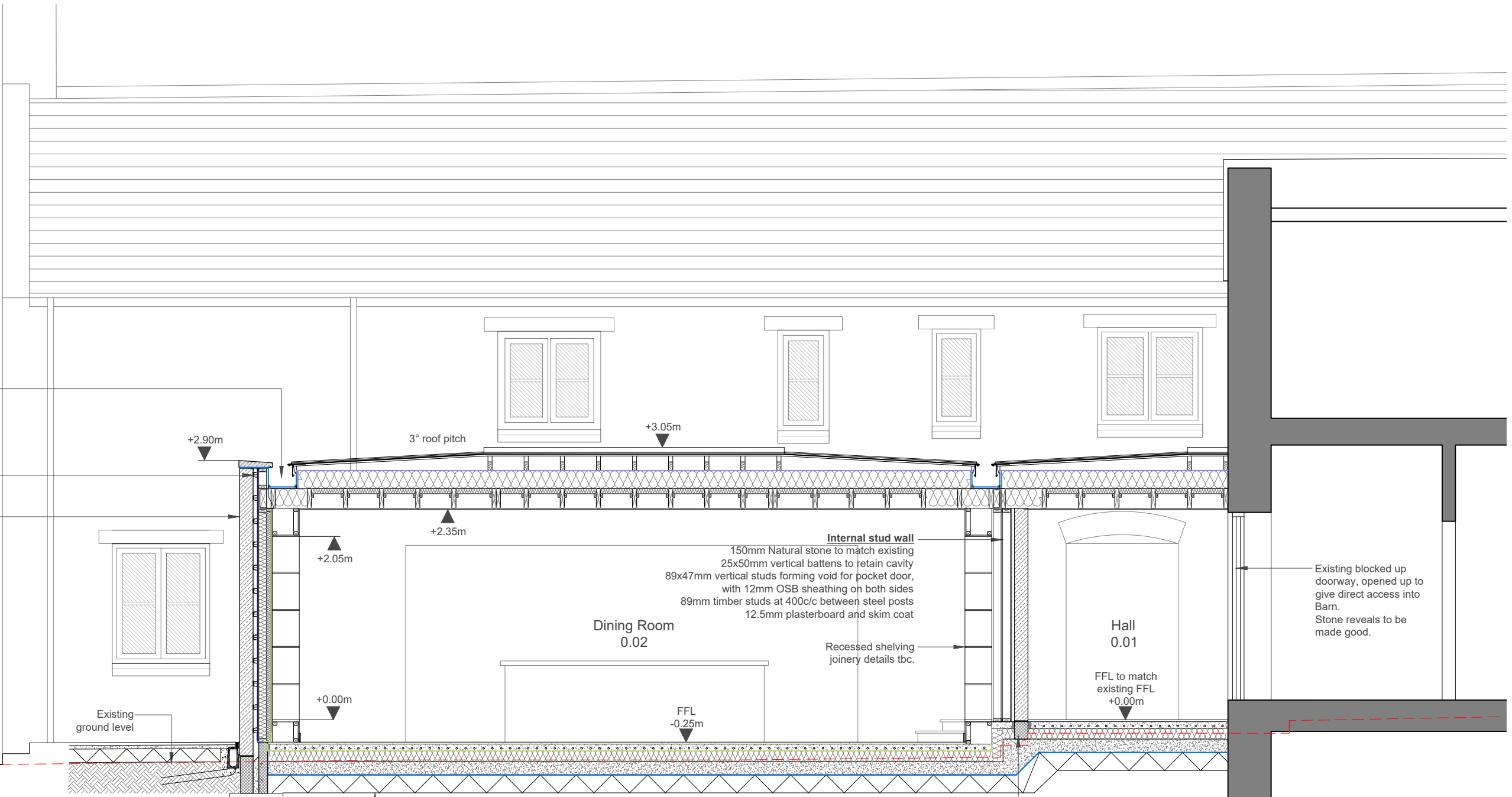
500 gauge VCL

120mm Thermal Rockfloor

150mm Ground bearing concrete slab to structural engineers specification

1200 gauge DPM on sand blinding

Hardcore



Existing blocked up doorway, opened up to give direct access into Barn. Stone reveals to be made good.

Existing Foundations

Strategy for existing foundations as per Structural Engineers Drawings. Depth of foundations to be confirmed following trial pits.



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Rookery Farm

revision	drawn/check	date	title	Proposed Section B-B
A - amended following building control feedback	CS/MG	07.04.22	date	01.03.2022
A - client amendments	CS/MG	27.05.22	scale	1:50@A3
			drawn/checked	CS/MG
			drg	1559/261 rev B

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