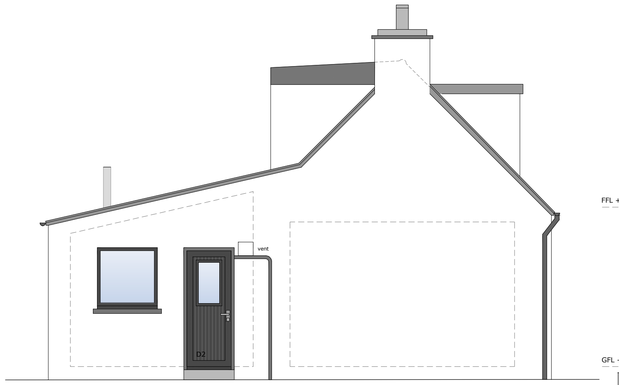
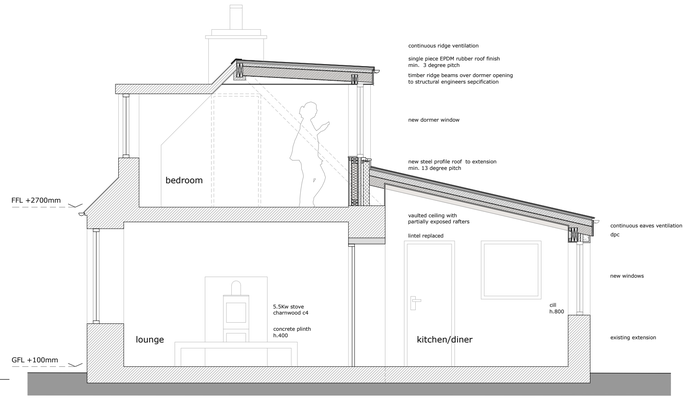
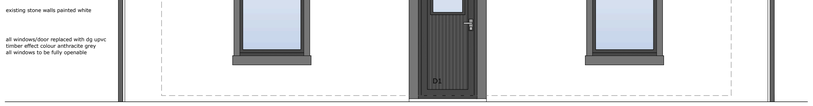
south-east facing elevation as proposed
scale 1:50 @ a1



north-east facing elevation as proposed
scale 1:50 @ a1

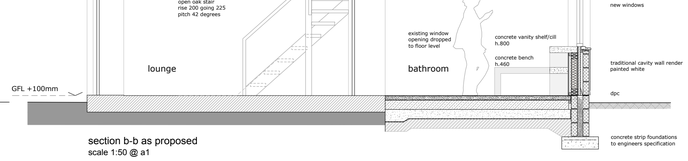


section a-a as proposed
scale 1:50 @ a1



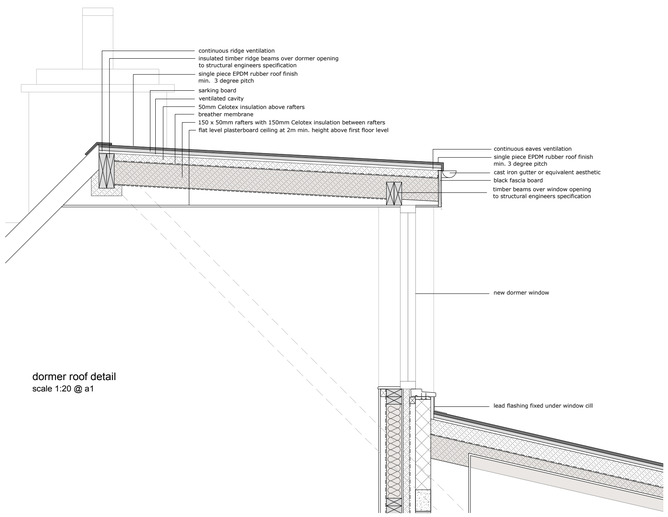
north-west facing elevation as proposed
scale 1:50 @ a1

south-west facing elevation as proposed
scale 1:50 @ a1

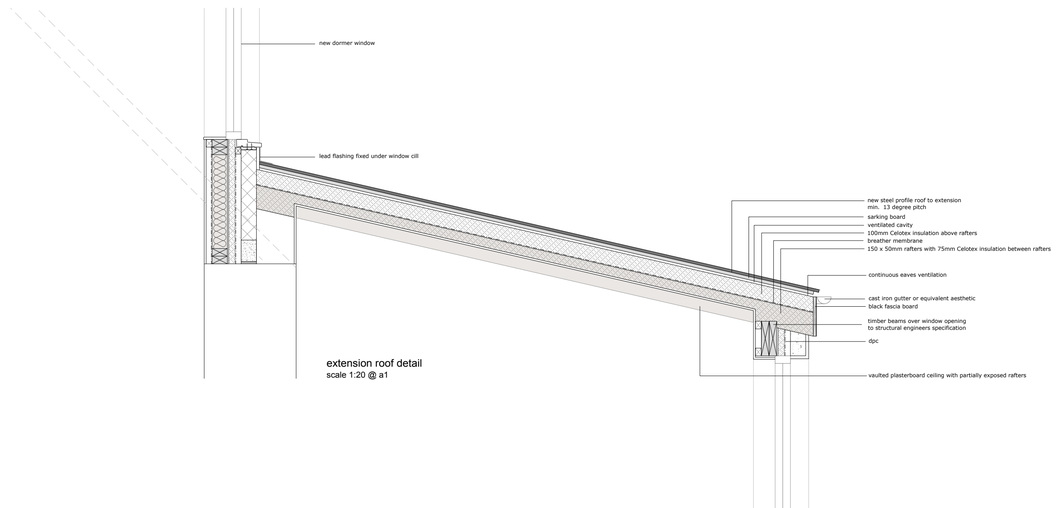


section b-b as proposed
scale 1:50 @ a1

0m 500cm 2.5m 5m



dormer roof detail
scale 1:20 @ a1



extension roof detail
scale 1:20 @ a1

NOTE:

All sizes to be taken and checked on site by the contractor prior to preparation of shop drawings or fabrication of parts.

This drawing should not be scaled. Any discrepancies to be brought to the immediate attention of the architectural designer.

NOTES

WALL CONSTRUCTION

New extension walls and dormer walls to be roughcast render finish to match existing extension, painted white, on 100mm blockwork, leaving 40mm cavity from internal leaf, Breather FR Foil Membrane by YBS Insulation, on 40mm Celotex CW4000 partial fill cavity insulation.

Internal leaf to consist of 9mm thick exterior grade treated plywood sheathing (WBP to BS 6566), on ex 100 x 50mm s.w. C16 stud framing at 600mm crs, with 100mm Celotex XR4000 insulation between studs, on 1 layer G66 MU polythene vapour barrier, 38 x 50mm battens to provide service void, on 12.5mm T & F plasterboard finish internally.

Specified extension and dormer wall construction to achieve **U-value 0.18 W/m²K**.
See U-value calculations for details.

NOTE: No change to existing walls or internal linings other than plasterboard finish to be made good and MDF timber paneling with groove effect to half level internally within lounge and bedroom on ground level. Original stone cottage painted white.

ROOF CONSTRUCTION

Single piece EPDM rubber roof finish to dormer (min. 3 degree pitch), on 150 x 22mm butt jointed sarking board, on ventilated cavity, on 50mm Celotex XR4000 insulation above rafters, on breather membrane, on 150 x 50mm manufactured roof rafters to BS 5268 part C at max 600mm crs, with 150mm Celotex XR4000 insulation between rafters, on 12.5mm plasterboard ceiling finish at flat level (min. headroom 2m from first floor level).

Anthracite Grey/Black treated steel profile roof to extension, on 150 x 22mm butt jointed sarking board, on ventilated cavity, on 100mm Celotex XR4000 insulation above rafters, on breather membrane, on 150 x 50mm manufactured roof rafters to BS 5268 part C at max 600mm crs, with 75mm Celotex XR4000 insulation between rafters, on 12.5mm plasterboard ceiling finish with partially exposed rafters internally.

Specified roof constructions to achieve **U-value 0.13 W/m²K**.
See U-value calculations for details.

GROUND FLOOR CONSTRUCTION

150mm compacted hardcore blinded with sand, 1200gauge (300mu) polythene damp proof membrane, 100mm C30 concrete floor slab reinforced with A142 mesh with 12mm fillabond around edges to allow for expansion, 150mm timber floor joists with 150mm Celotex XR4000 insulation between, electric under floor heating membrane, floor finish tbc.

Specified floor construction to achieve **U-value 0.18 W/m²K**.
See U-value calculations for details.

Electric under floor heating membrane to be laid in kitchen/diner also.

NEW INTERNAL PARTITION

One layer of 12.5mm plasterboard each side of 75 x 50mm timber studs at 600mm centres to provide 30 minutes fire resistance.

Moisture resistant wallboard to all wet area side of partitions, ie. en-suites, toilets, kitchen etc.

All partitions to be constructed in accordance with manufacturers written instructions and recommendations including junction details to avoid flanking, sealant and firestrips as indicated. Any alternative partition specification to be confirmed by the contractor as equal to the above and to meet with required fire resistance.

DRAINAGE

All existing drainage provisions to be checked fit for purpose and retained.
Contractor to investigate existing drainage system and complete design for connection of new foul drainage in accordance with BS EN 12056-1: 2000 and BS EN 12056-2: 2000 and wastewater drainage to be in accordance with BS EN 12056-2 2000.
Below ground drainage and sewer system to be designed and installed in accordance with BS EN 752: 2008 and comply with all Local Authority Bylaws.
All new drainage connected to existing soil stacks (where possible) and to comprise of the following :

WC's - 110mm dia. drainage pipework
WHB's - 32/40mm dia. drainage pipework
Sinks - 32/40mm dia drainage pipework

Anti-syphon traps to sinks, WHB's as necessary and air admittance valve at end of new drainage run.
All SVPs to have roddable access / cleaning eye at all bends in main runs.
Stub stacks to be provided where necessary with air admittance valve above the highest water level of the appliances it serves.
All pipework to be concealed and installed to allow adequate access for testing / maintenance.
Fire collar to be installed where pipes pass through fire rated wall or floor to maintain fire integrity. Slow bends to be installed where required.

HEATING SYSTEM

Storage heaters as existing to ground and first floor.
Heated towel rail to be added in new extension connecting to existing heating system.
Electric under floor heating membrane to be laid in kitchen/diner and bathroom.
Wood burning stoves for back up in lounge and ground floor bedroom.

NOTE: All internal electrical connections to be installed for future PV ground panels located to rear leading to battery in the shed supplying electricity to cottage with mains backup.

All setting out to be subject to detailed site survey by contractor prior to construction.

HEGER
ARCHITECTURE & DESIGN

35 LUNDY ROAD
INVERLOCHY
FORT WILLIAM
PH33 6AZ

t. +44 (0) 1397 70 4515
m. +44 (0) 7933 502 993
e. kirstinheger@gmail.com

Project: RENOVATION & EXTENSION TO EXISTING COTTAGE 11 CLOVULLIN, ARDGOUR, FORT WILLIAM PH33 7AB	Scale: 1:50@A1
	Date: 13/01/21
Client: MS CATHERINE COLLINS	Job No.: 202009
Title: ELEVATIONS AND SECTIONS AS PROPOSED	Dwg No.: CS02
	Drawn: KH
Issue Purpose: INFORMATION ONLY	Rev.: .