

Electrical Legend - electrical installation should be in accordance with BS:7671

- 1 way switch
- pendant light fitting
- recessed downlighter
- 2 gang switched socket outlet above worktop level (white finish)
- 2 gang switched socket outlet (white finish, 450mm AFFL)
- cooker/washing machine control unit with 1 gang switched socket
- telephone point
- tv point
- external light
- smoke detector
- heat detector
- carbon monoxide detector
- extractor fan
- consumer unit/meter

Internal Door Schedule

Number	Width(mm)	Height(mm)	Note
GF1	726	1980	
GF2	726	1980	lockable

Window/Door Schedule (All Windows & Doors Double Glazed)
Windows to be Secured by Design and accredited to PAS 24 for door sets or BS:7950 for windows

Number	Width(mm)	Height(mm)	Type
W1	650	1000	Fully Reversible
W2	650	1000	Fully Reversible
W3	780	1400	Velux MK08
W4	780	1400	Velux MK08
W5	780	1400	Velux MK08
D1	1800	2100	double patio doors fully glazed

Ground floor area = 38sqm

NOTE: all external dimensions taken to inside face of structural frame internal dimensions taken to inside finished wall

NOTE: extension roof 45 degree pitch

NOTE: all glazing within 800mm of finished floor level will be designed to resist human impact as set out in BS 6262: Part 4: 2005

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.
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NOTES

WALL CONSTRUCTION
Extension clad in 20mm vertical larich, on 50mm timber battens, on 25mm counter battens.
Internal leaf to consist of Breather FR Foil Membrane by YBS Insulation, on 9mm thick exterior grade treated plywood sheathing (WBP to BS 6566), on ex 150 x 50mm s.w. C16 stud framing at 600mm c/s, with 150mm Frametherm insulation quilt inset between studs, on 1 layer G66 MU polythene vapour barrier, on 25mm Celotex FR5000, on 38 x 50mm battens to provide service void, on 12.5mm T & F plasterboard finish internally.
Specified extension wall construction to achieve U-value 0.17 W/m²K.
See U-value calculations for details.

ROOF CONSTRUCTION
Natural slate roof to extension, on 1 layer Roofshield on 150 x 22mm butt jointed sarking board on manufactured roof trusses/battens to BS 5268 part C at max 600mm c/s, with 200mm rigid insulation board, on 2 layers 12.5mm T & F plasterboard finish internally.
Glulam ridge beams to vaulted ceilings and trusses partially exposed within vaulted ceilings, as shown in drawings.
Specified roof construction to achieve U-value 0.15 W/m²K.
See U-value calculations for details.

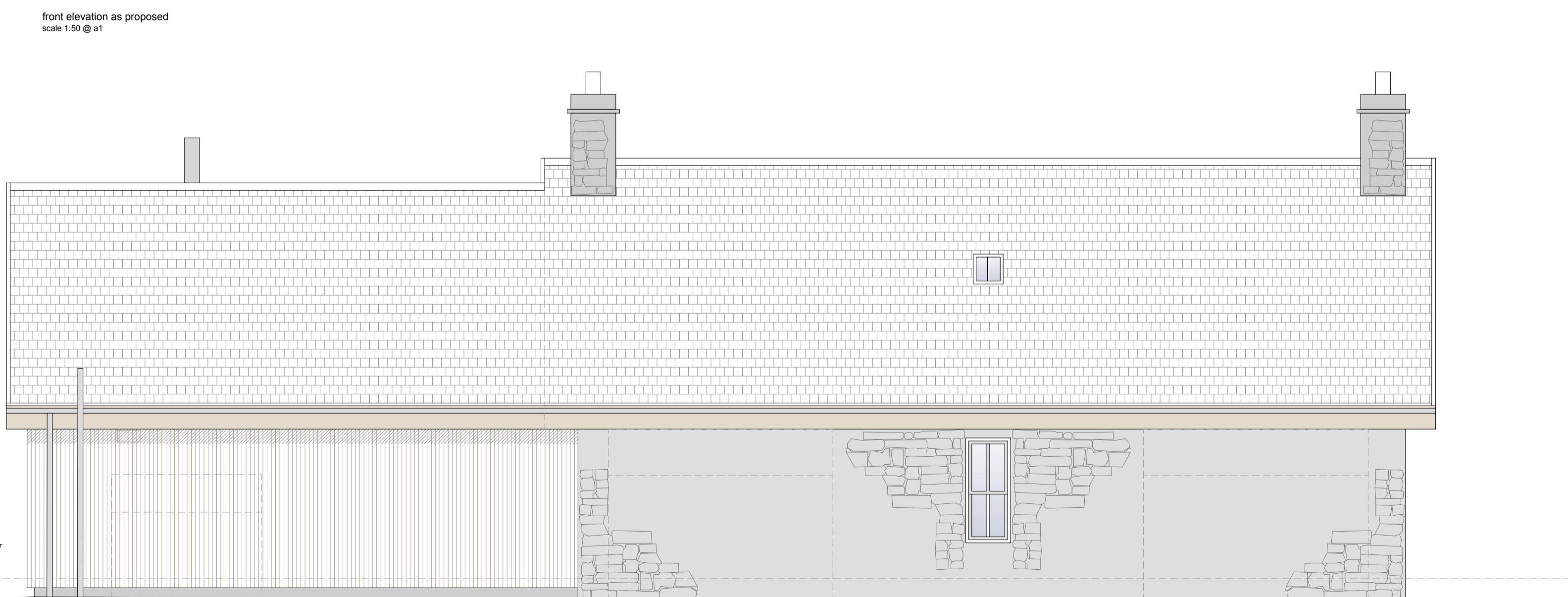
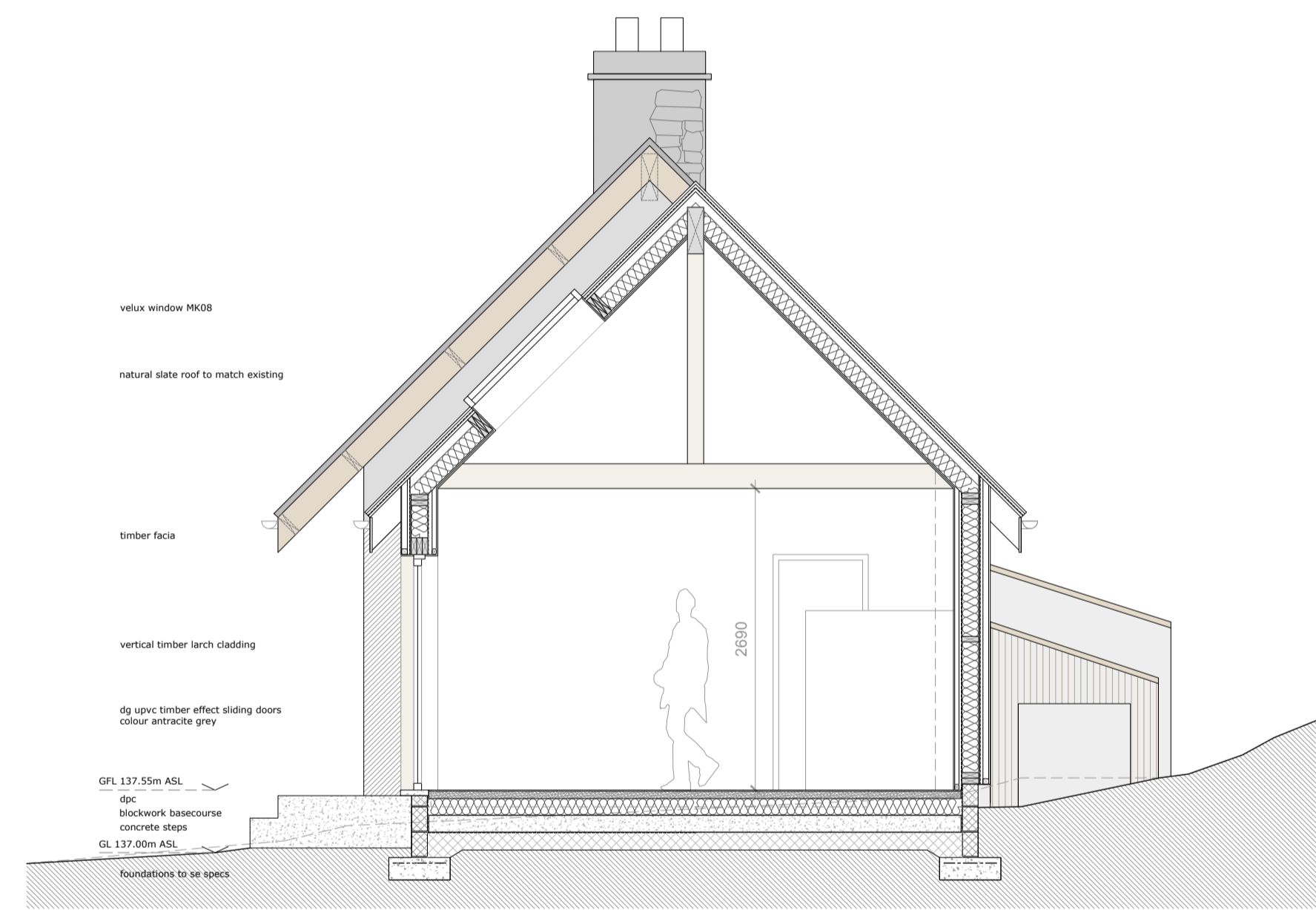
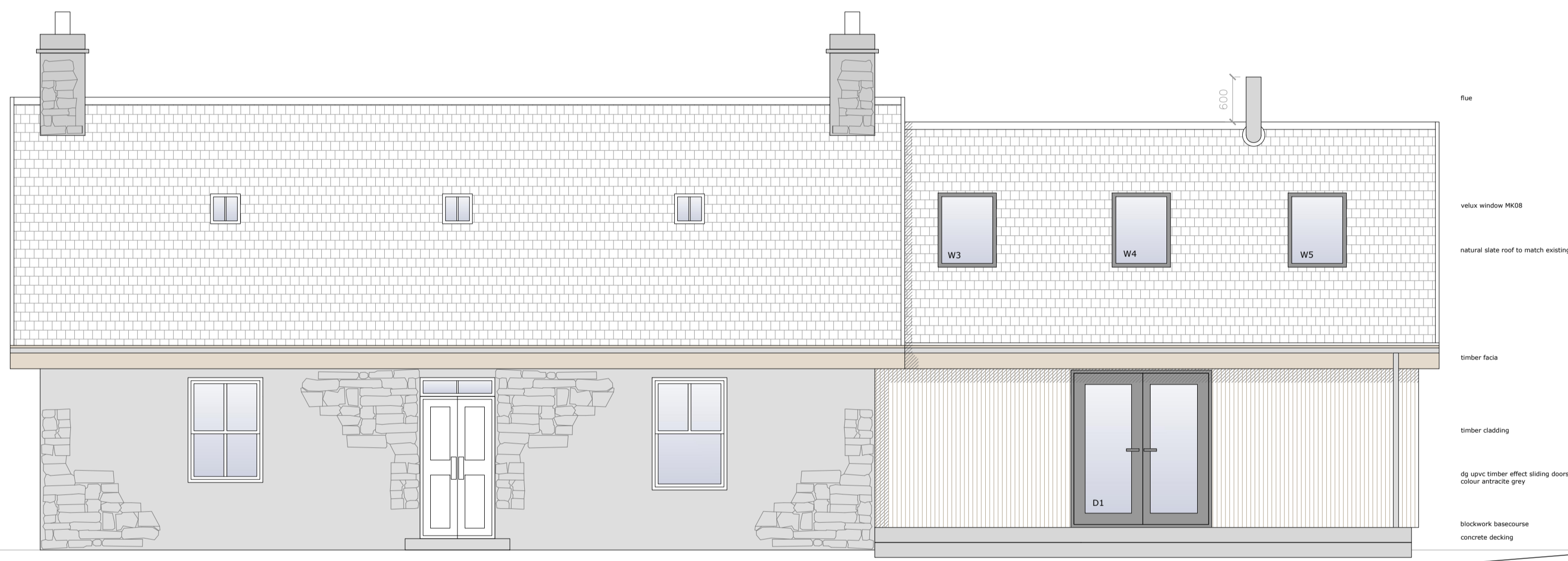
GROUND FLOOR CONSTRUCTION
150mm compacted hardcore blinded with sand, 1200gauge (300mu) polythene damp proof membrane, 150mm C30 concrete floor slab reinforced with A142 mesh with 12mm filabond around edges to allow for expansion, 200mm rigid insulation board, 65mm concrete screed, floor finish tbc.
Specified floor construction to achieve U-value 0.18 W/m²K.
See U-value calculations for details.

MEZZANINE STORAGE FLOOR CONSTRUCTION
22mm chipboard on 230 x 50mm solid timber trusses/joists at 600mm c/s, on 1 layer 12.5mm plasterboard to GF ceiling.

NEW INTERNAL PARTITION
One layer of 12.5mm gyproc wallboard each side of 75mm gyproc pyroframe 75 x 50 'U' 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, gyproc ceiling and gyproc 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
WB's - 32/40mm dia. drainage pipework
Sinks - 32/40mm dia drainage pipework
Anti-siphon traps to sinks, WHBS as necessary and air admittance valve at end of new drainage run.
All SVP's to have rotable 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. Slove bends to be installed where required.

HEATING SYSTEM
Radiators to extension connecting to existing heating system. Electric heating powered by pump loop from the wind turbine.
Wood burning stove for back up. Charmwood C-Four 4.9kW.
All setting out to be subject to detailed site survey by contractor prior to construction.



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Project	COTTAGE EXTENSION BE-ACH, LOCHALINE, PA80 5XD	Scale	1:50@A1
Client	MR TOBY ROBINSON	Date	18/11/20
Title	EXTENSION DRAWINGS AS PROPOSED	Job No.	202007
Issue Purpose	BUILDING WARRANT	Dwg No.	BW01
		Drawn	KH
		Rev.	B