

Notes

1
STRIP FOUNDATION
Provide min 300mm x 600mm concrete foundation, concrete mix to conform to BS EN 206-1 and BS 8500-2. All foundations to be a minimum of 1000mm below ground level, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2004 Building Regulations A1/2 and BS 8004:1986 Code of Practice for Foundations. Ensure foundations are constructed below invert level of any adjacent drains. Base of foundations supporting internal walls to be min 600mm below ground level. Sulphate resistant cement to be used if required. Please note that should any adverse soil conditions be found or any major tree roots in excavations, the Building Control Officer is to be contacted and the advice of a structural engineer should be sought.

2
SOLID FLOOR INSULATION UNDER SLAB
To meet min U value required of 0.22 W/m²K
Solid ground floor to consist of 150mm consolidated well-rammed hardcore. Blinded with 50mm sand blinding. Provide a 1200mm gauge polythene DPM. DPM to be lapped in with DPC in walls. Floor to be insulated over DPM with minimum 100mm Kingspan / Ecotherm. 25mm insulation to continue around floor perimeters to avoid thermal bridging. A VCL should be laid over the insulation boards and turned up 100mm at room perimeters behind the skirting, all joints to be lapped 150mm and sealed, provide 100mm ST2 or Gen2 ground bearing slab concrete mix to conform to BS 8500-2 over VCL. Finish with 65mm sand/cement finishing screed with light mesh reinforcement. Where drain runs pass under new floor, provide A142 mesh 1.0m wide within bottom of slab min 50mm concrete cover over length of drain. Where existing suspended timber floor air bricks are covered by new extension, ensure cross-ventilation is maintained by connecting to 100mm dia UPVC pipes to terminate at new 65mm x 215mm air bricks built into new cavity wall with 100mm concrete cover laid under the extension. Ducts to be sleeved through cavity with cavity tray over.

8
New Flat Roof
To be (as engineers design if applicable) Single Ply EPDM rubber membrane laid in accord with manufacturers instructions and relevant code of practice on 18mm plywood or stirling board on firings to fall min 1:40 on 25mm counter batten on 200 x 50 mm sw flat roof joists @ 400ctr on 100 x 50 sw wall plate bedded level. 200mm vented soffit , min 225 mm fascia. Insulation to be 150 mm PIR insulation between joists underdrawn by Superquilt 10 or similar, counterbatten 25mm, 12.5 mm plasterboard & skim.

6
INTERNAL STUD PARTITIONS
100mm x 50mm softwood treated timbers studs at 400mm ctrs with 50 x 100mm head and sole plates and solid intermediate horizontal noggins at 1/3 height or 450mm. Provide min 10kg/m² density acoustic soundproof quilt tightly packed (eg. 100mm Rockwool or lowwool mineral fibre sound insulation) in all voids the full depth of the stud. Partitions built off doubled up joists where partitions run parallel or provide noggins where at right angles, or built off DPC on thickened concrete slab if solid ground floor. Walls faced throughout with 12.5mm plaster board with skim plaster finish. Taped and jointed complete with beads and stops.

Single Storey Rear Extension & 2nd Storey Extended Bedroom

Project

3 Oakwood Road
Chandlers Ford
SO53 1LW

Drawing Title
Proposed Floor Plans & Sections

Client

Mr & Mrs Champetier

Drawing No.

Ch/04/22 Rev C

Date

JAN 23

Drawn by

PD

Scale

1:50

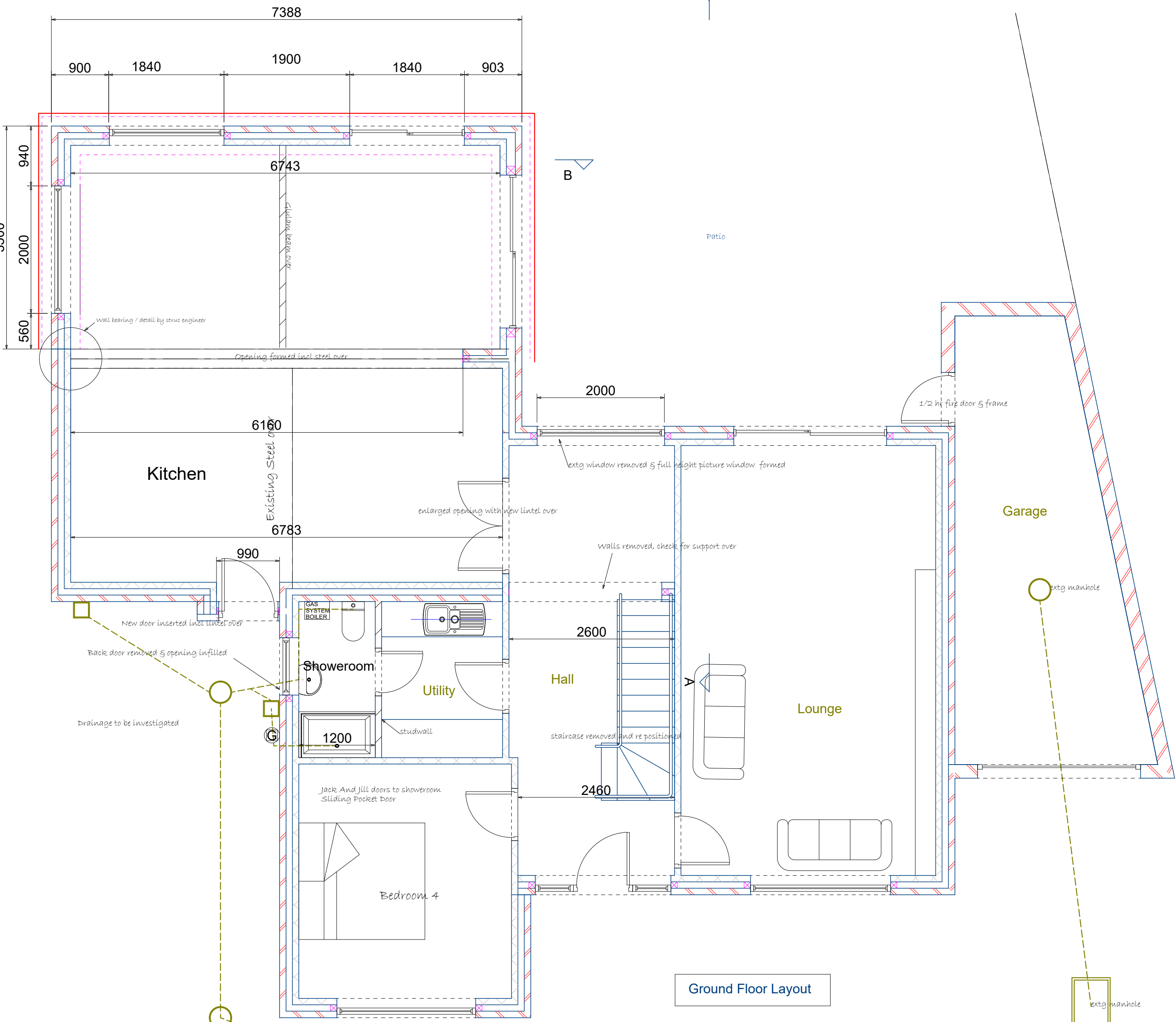
Checked by

PD

Page Size - A1

3000 mm

Company Address, Phone & Email



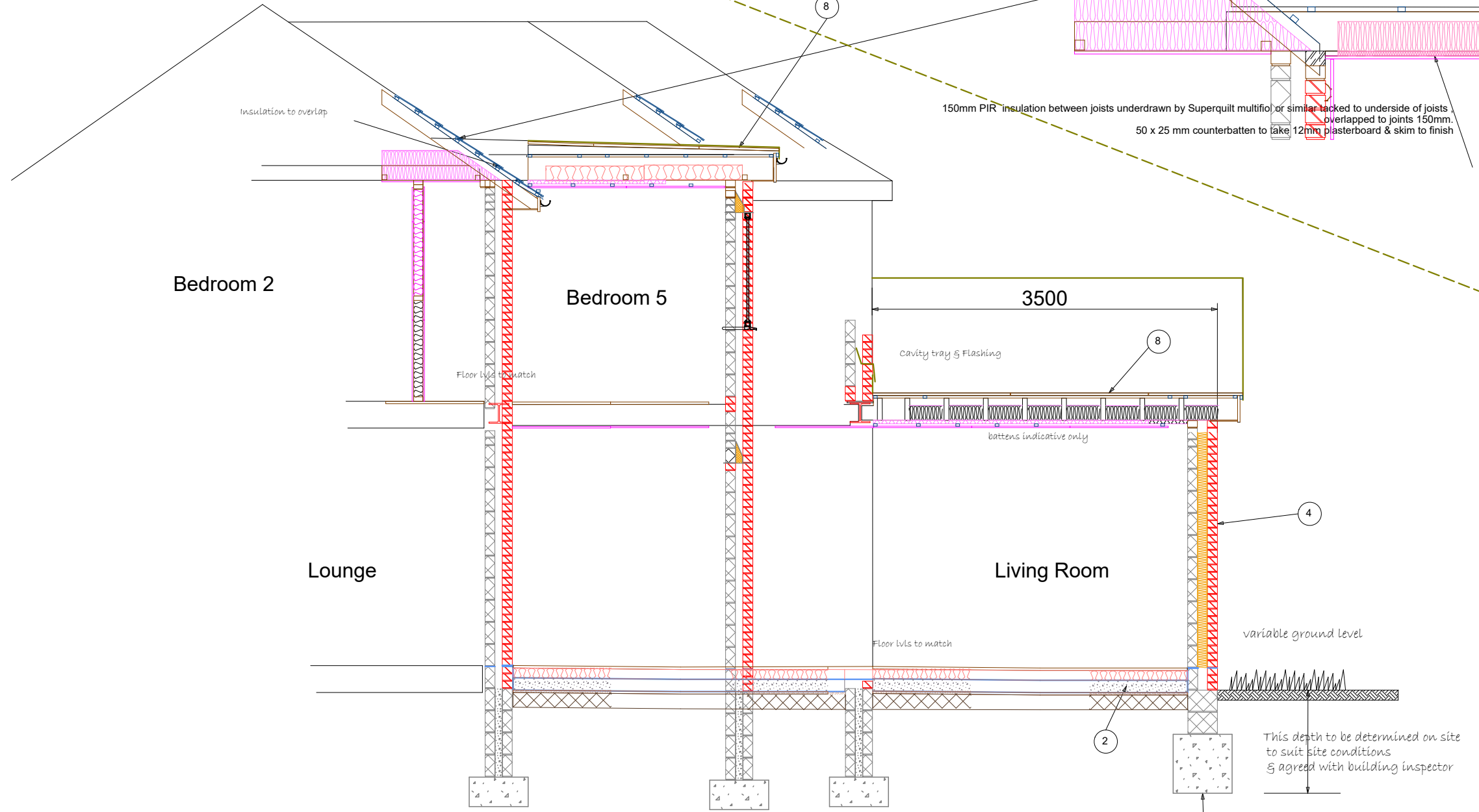
Ground Floor Layout

Enlarged Section Flat Roof to Sloping roof Abutment
Scale 1 : 25

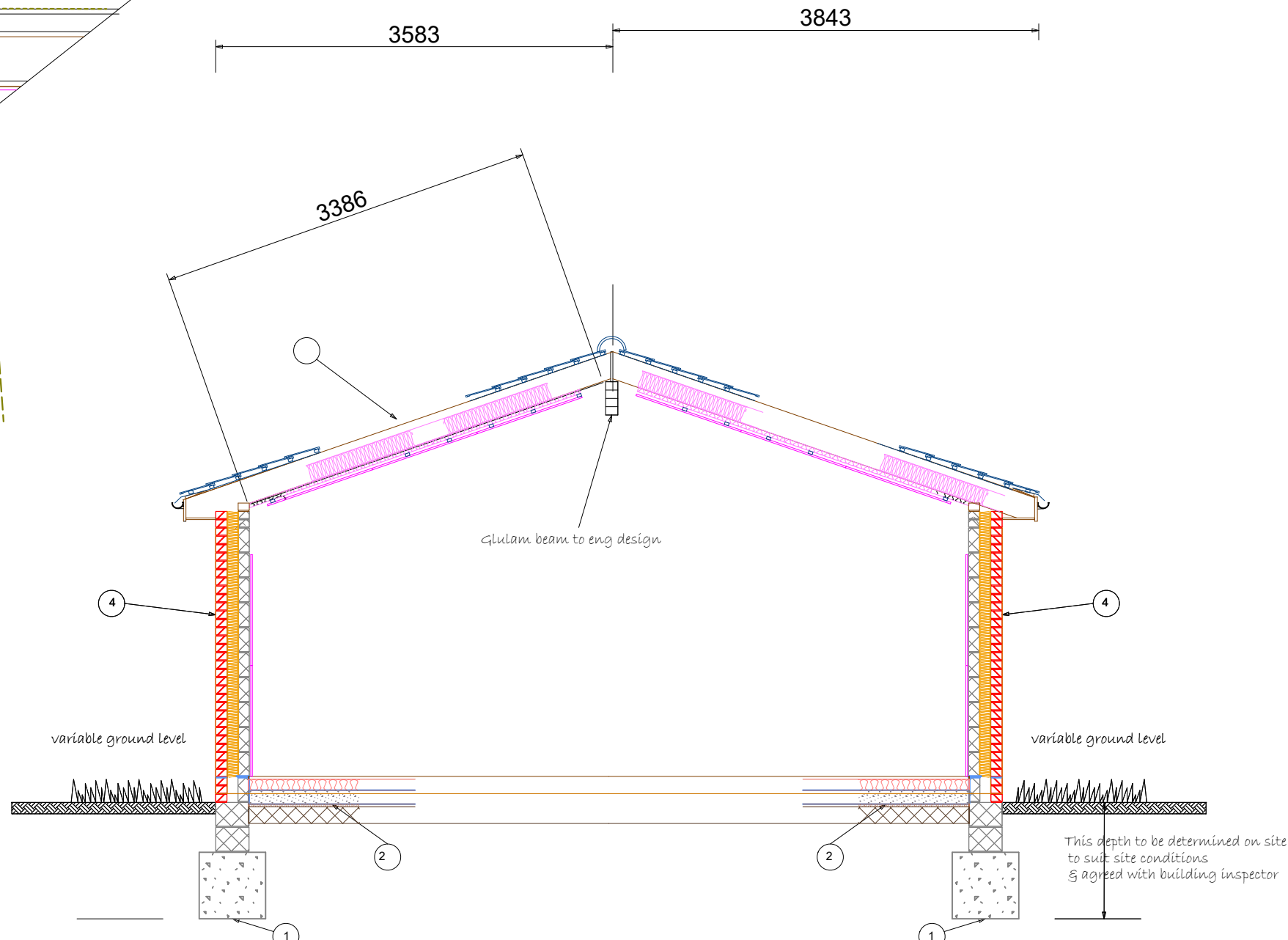
Cross flow ventilation maintained to flat roof by the air vent every 2.4 m or fixing a Manthorpe or similar over fascia vent to replace

Stirlingboard turned up the roof tiles min 300mm.
Epm turned up under roof tiles min 225mm

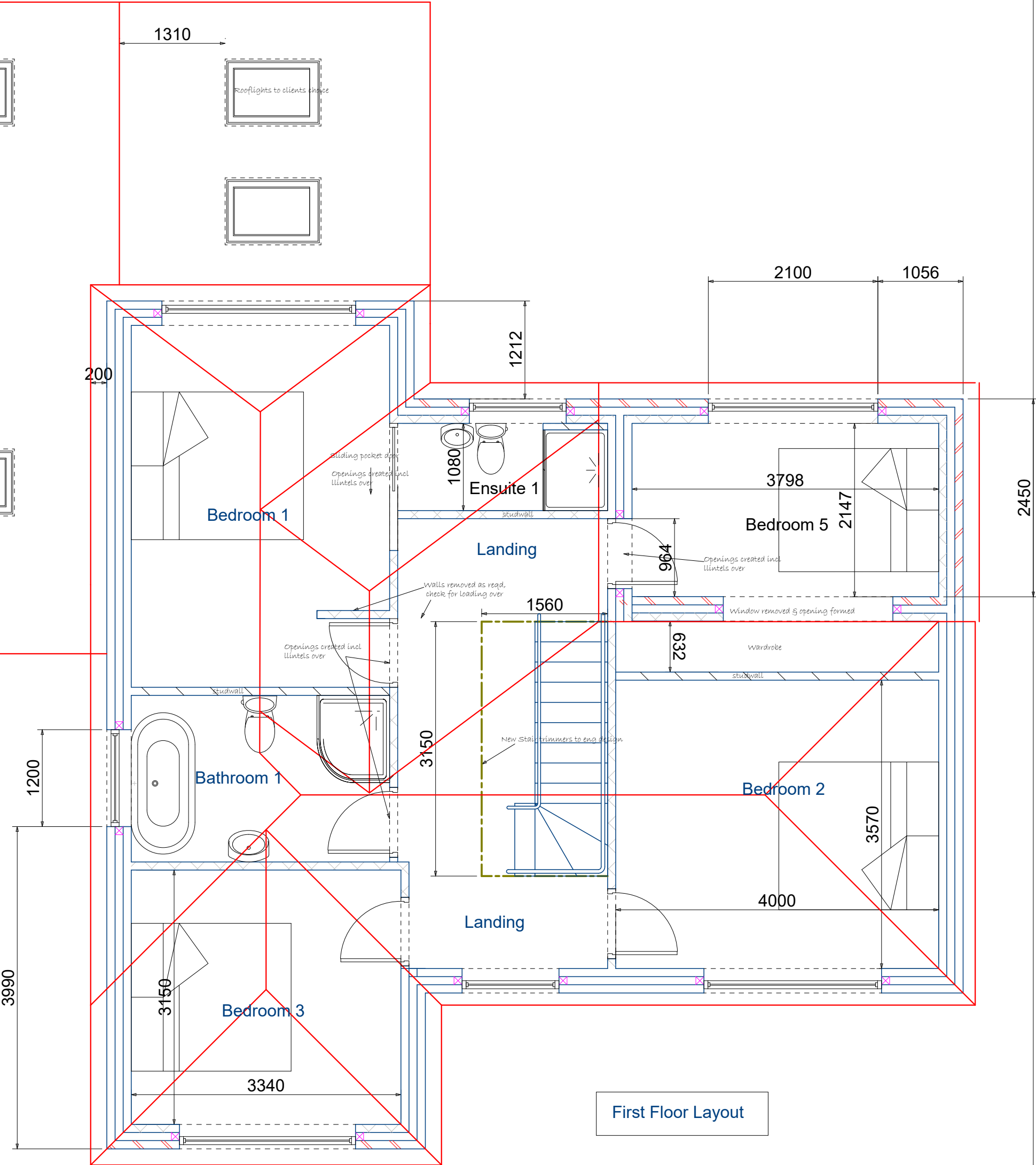
Rubber EPDM roof membrane on 18mm Stirlingboard on firing to fall on 25 x 50mm counterbatten on flat roof plate
Min 50mm air gap maintained above insulation



Section A - A



Section B - B



First Floor Layout