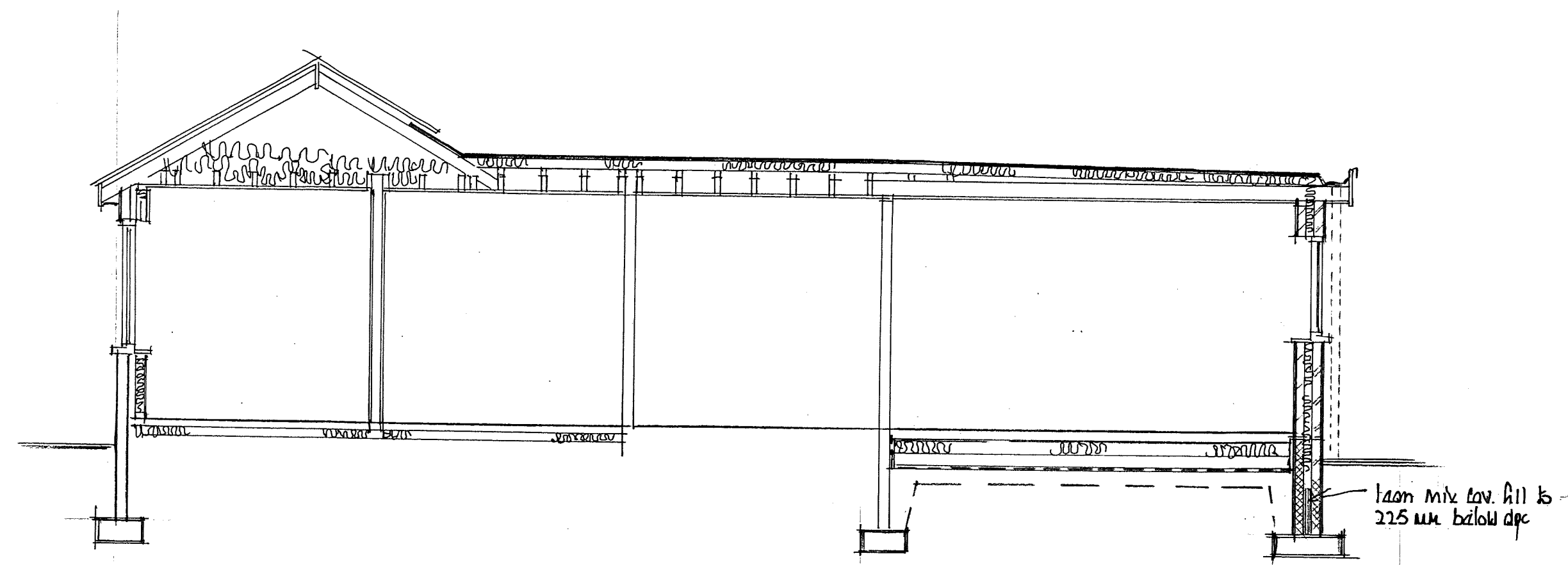
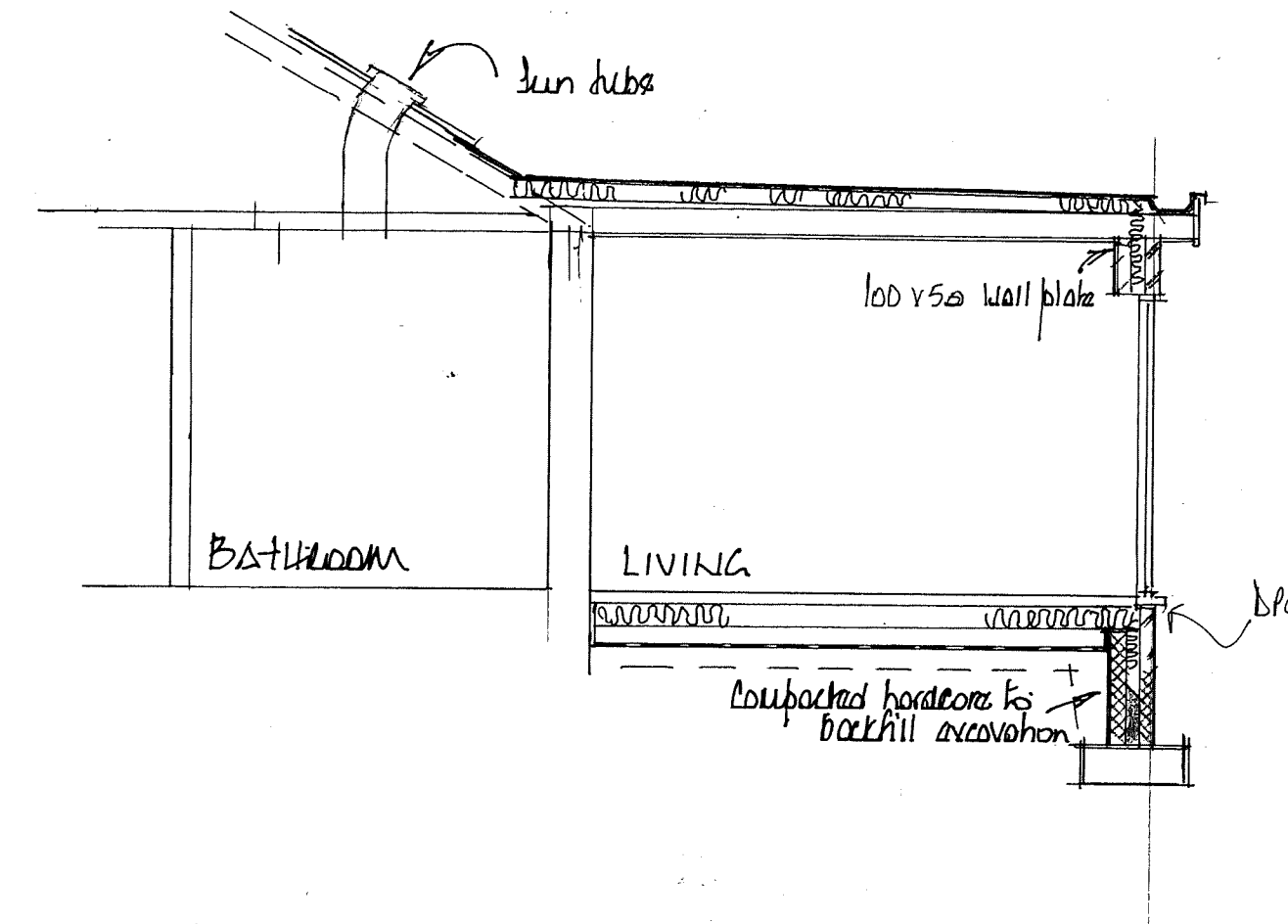
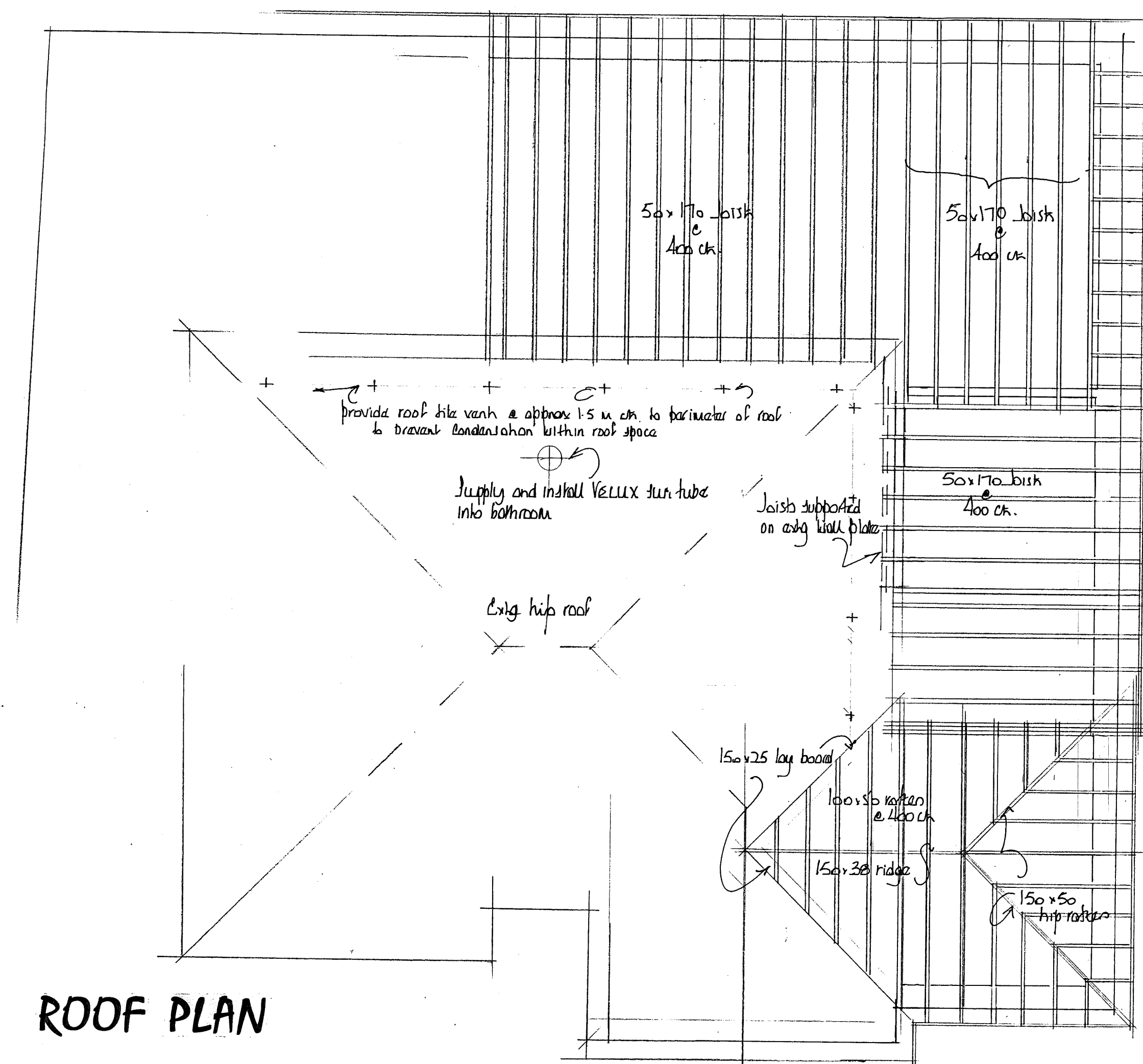




SECTION A - A



B - B



ROOF PLAN

ROOF CONSTRUCTION

Tiles
The roof is to be covered with interlocking concrete tiles to match existing and laid to gauge in accordance with manufacturer's instructions and specifications.

Battens
Approved quality tanal s/w battens, 38 x 50mm, are to be laid to a gauge to suit the tiles and fixed with 90 x 3.35mm nails. Battens should be at least 1.2m in length and should be of sufficient length to be supported at each end and intermediately by at least 3 rafters, trusses or walls. Butt joints over intermediate supports should be staggered and the ends must be sawn.

Underlay
Approved breathable membrane, ie Tyvak or similar, is to be laid over the rafters lapped 150mm at the joints and secured with clout nails. The underlay should extend over the fascia board and into the eaves gutter. In order to prevent water traps behind the fascia it is recommended that a strip of 6mm marine plywood is provided to support the underlay. The ply is to be laid over the rafters and under the roofing felt positioned as close as possible to the last tiling batten and secured to the fascia.

Eaves
Eaves are to be formed with standard size tiles. Provide Ryton over fascia ventilator ref OFV1000, Ryton combed bird/insect and vermin guard (if necessary) in conjunction with Ryton Rafter Roll, RRV250 to enable adequate ventilation to the roof space. Eave tiles must be laid at the same pitch as the main body of tiling and should overhang the fascia by an amount sufficient to ensure that the water discharges into the centre of the gutter.

Ridge
The ridge is to be covered with segmental ridge tiles of the same colour as the main body of tiling, unless specified otherwise, and secured using a proprietary ventilated dry ridge system having ventilation equivalent to a continuous 6mm gap.

Valleys
Valleys are to be formed with proprietary grp valley supported by boards with the adjacent tiling neatly cut and bedded onto plain tile slips leaving a clear channel approx. 125mm wide.

Mortar
All bedding mortar is to consist of 3 parts sharp sand to 1 part Portland cement and should be struck off to give a smooth face and pointed in one operation.

Insulation
220mm Knauf Omnitroll Roll 34 (lambda +0.034W/mK) between the ceiling joists with a further layer of 220mm laid at right angles over the top to give a U value of 0.08W/mK.

Ceilings
15mm plasterboard, fixed in accord with manufacturer's instructions with all necessary noggins etc. and skim finish.

Rainwater Goods

Supply and fix 64mm pvc downpipes securely clipped to walls at 1800mm cts with all necessary offsets, swannecks, adaptors etc. and taken into 100mm diam. upturned bend at base.

Strapping
Where rafters and flat roof joists run parallel to walls they are to be strapped at 1800mm cts. Straps to be fixed to a min. 3No. rafters etc., having noggled between beforehand, and hooked into the cavity a min 150mm. Similar straps to be used at 1800mm cts. to hold down the wall plate. Straps to be 30 x 6mm galv. m.s.

FLAT ROOF CONSTRUCTION

Supply and lay High Performance felting system, 1st layer 3G vented, 2nd & 3rd layer Ruberoid SBS Sanded Fully bonded with hot bitumen including dressing felt to edges, drips, flashing, abutments (dressed 150mm up abutments) etc all as required. All detail work in high performance elastomeric felt. Final layer of felt to be coated with gritting adhesive and chippings set in. Roof covering to be dressed up pitched roof a min 450mm cts. 130MM Thermaroof TR26 insulation Polythene vapour control layer Plywood decking laid over firrins (having a fall of 1:80) on 50/75 x 170mm joists at 400 centres 15mm plasterboard, taped joints and skim finish

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Extension and alterations
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Drawing
Roof plan and sections

Scale
1 : 50, 1:100

Date
July 2024

Dwg No.
REV

1228/03