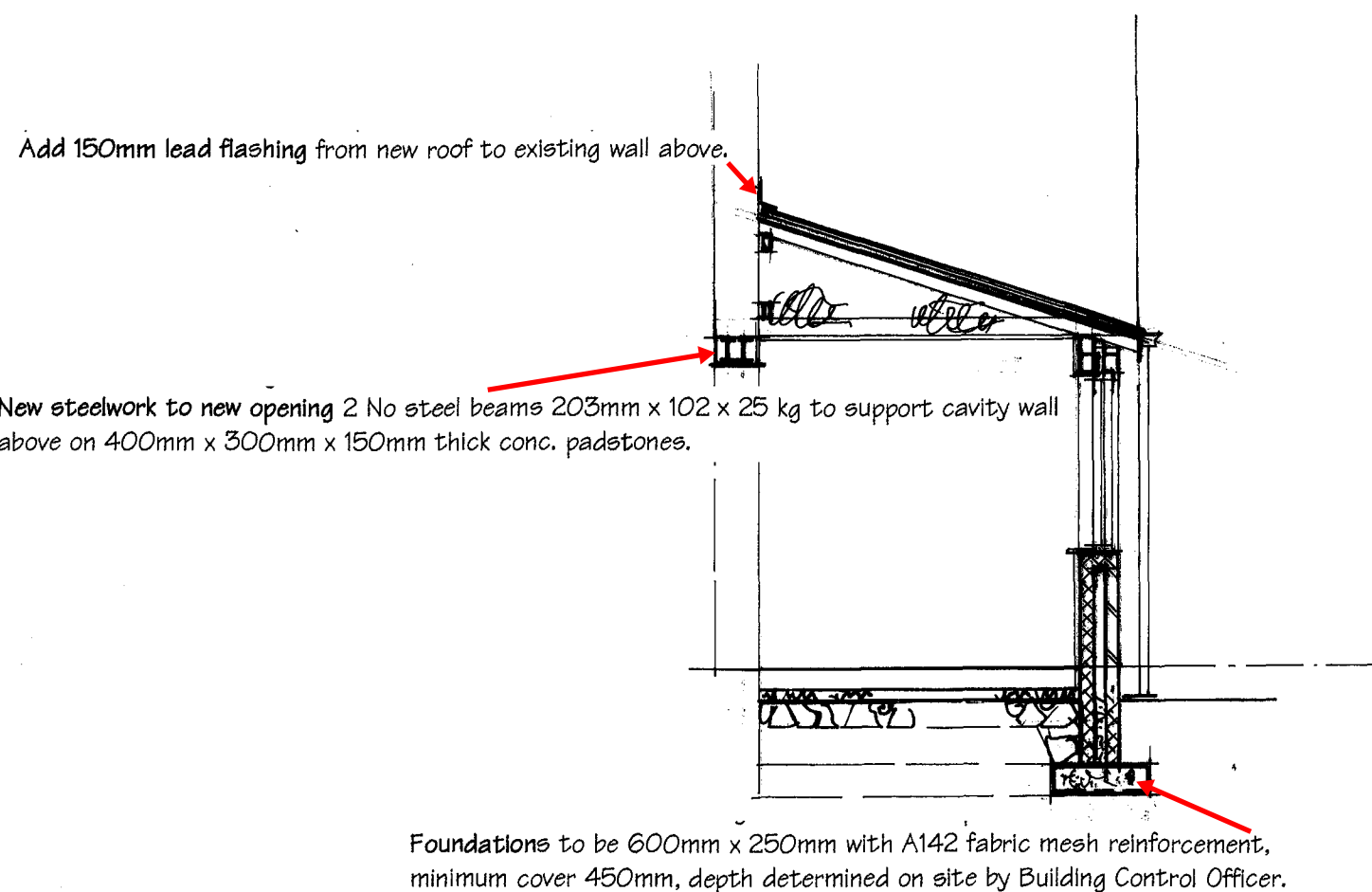




SECTION THROUGH EXTENSION

New Lean-to Pitched Roof: dark grey concrete Redland 'Low pitch' roof tile to 17.5 degree pitch. colour to match existing roof, onto 50 x 30 sw timber battens on 1 layer felt on 150mm x 50mm sw timber rafters and ceiling joists @ 400c/c onto 100mm x 75mm timber wallplate strapped to blocks with 32 x 6 mild steel straps @ 1200c/c. 2 ridge vents to ventilate roof space. Ex 200mm x 25mm sw timber fascia board with 125mm pvc gutter on brackets to 75mm RWP run to existing rain water gulley to front of house. Pvc soffitt from fascia to wall with 25mm 'permavent' to ventilate roofspace. Insulate roof space.

Add 150mm lead flashing from new roof to existing wall above.

Ceiling to be 10mm foil backed plaster board to finish. 300mm glass fibre quilt insulation to roof laid in two layers of 150mm and 150mm Or 100mm 'Kingspan' insulation

New Walls to be 100mm light buff facing brickwork to match existing, 100mm cavity & 100mm 'Celcon' or similar thermal blocks with 50mm 'kingspan' or similar approved insulation panels. 6 wall ties per sq. metre @ 450mm c/c vertical up reveals of walls with patent rigid cavity closers. New walls to be bonded into existing, cavities to be made continuous. DPC min 150mm above ground level. 12mm 2 coat plaster with 125 x 20 skirting board. Re-use existing window with new (or existing) steel catnic lintel above.

New windows to have d.g. units, 20mm cavity, to U value of 1.6 W/m²K. 2500mm² trickle vent.

New steelwork to new opening 2 No steel beams 203mm x 102 x 25 kg to support cavity wall above on 400mm x 300mm x 150mm thick conc. padstones.

Fire protection to steel with 2 skins of 12mm plasterboard & skim.

Wall up existing openings with 100mm celcon blocks with 12mm plaster both sides + skirting board.

All electrics designed, installed & comply with Part P & to the satisfaction of the BCO on site. certified by specialist to IEE standards. Energy efficient light bulbs used in 3:4 ratio.

Add 60 litres/sec mechanical extract fan to kitchen if deemed necessary.

New Ground floor Patent tile/laminate floor finish on 150mm concrete slab with A142 mesh to top, on 75mm 'kingspan' insulation on 2000g 'visqueen' on 25mm sand blinding on min 150mm hardcore. Add radon landfill gas barriers to footprint of extension.

Foundations to be 600mm x 250mm with A142 fabric mesh reinforcement, minimum cover 450mm, depth determined on site by Building Control Officer.

Any drains below extension to be bridged over with 150mm x 100mm r.conc. lintels to relieve any pressure, and to be encased in 150mm 'P' gravel.

All works to comply with current Building Regulations and to be To the satisfaction of the Building Control Officer