Roof construction - concrete interlocking roof tiles to match existing on 38x25mm. sw. battens on breathable roofing felt 125x50mm. sw. rafters @ 400m.m. centres 150x50m.m. sw. ceiling joists @ 400mm. cnts 270mm fibreglass insulation 12.5mm. plaster board skim coated max 'U' value 0.16W/m²C°.

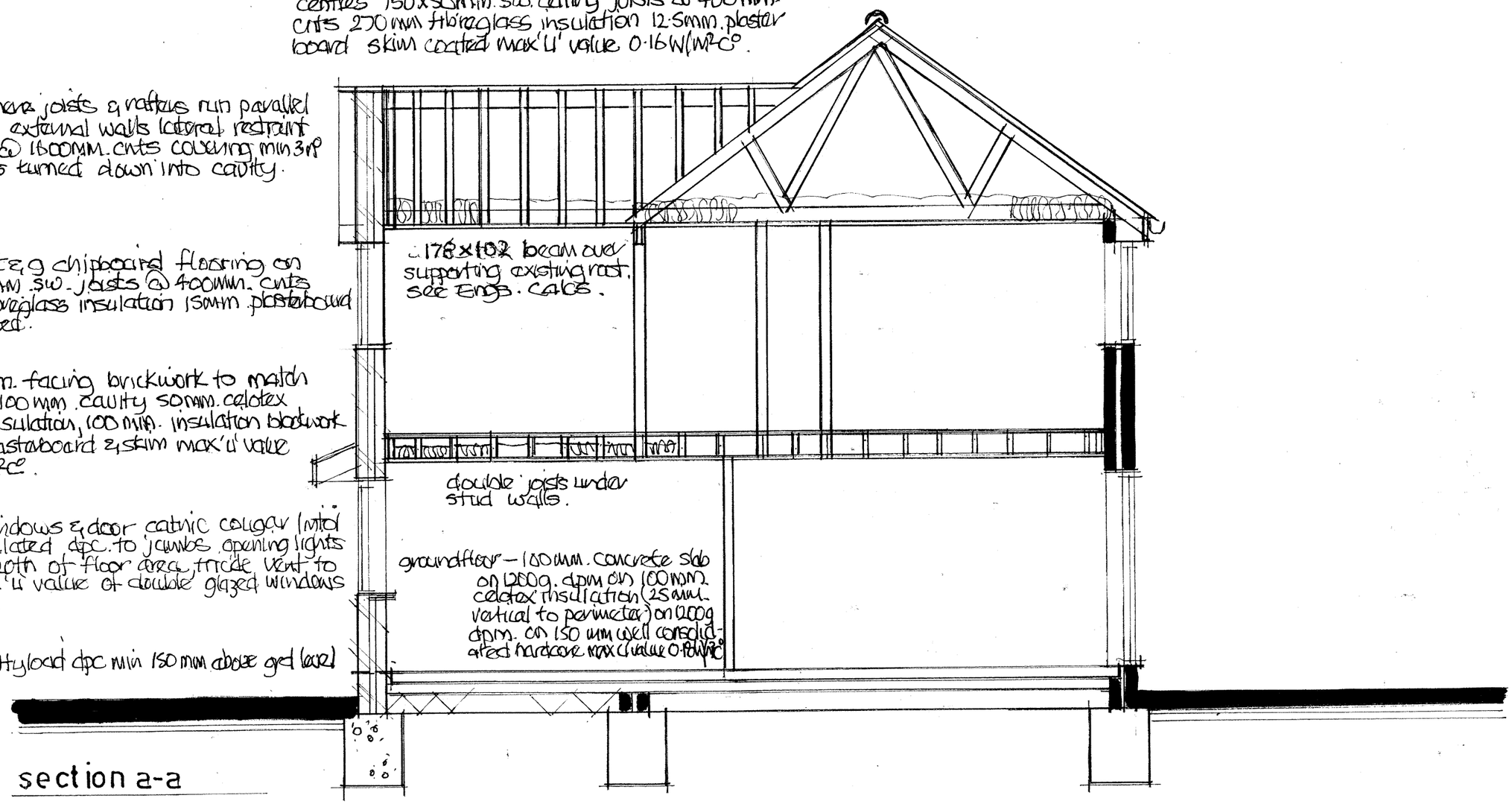
Lateral restraint - where joists & rafters run parallel with external walls lateral restraint ties @ 1800mm. cnts covering min 3nr joists turned down into cavity.

first floor - 22mm. t&g chipboard flooring on 200x50mm. sw. joists @ 400mm. cnts 100.mm fibreglass insulation 15mm. plasterboard skim coated.

cavity wall - 100 m.m. facing brickwork to match existing 100 mm. cavity 50mm. celotex cavity insulation, 100 m.m. insulation blockwork 15mm. plasterboard & skim max 'U' value 0.25W/m²C°.

windows - UPVC windows & door catnic cougar lintol over insulated dpc. to jambs opening lights equal to 1/20th of floor area, trickle vent to head max 'U' value of double glazed windows 1.8W/m²C°.

Hyload dpc min 150 mm above ged level




section a-a

foundations - 600mm. wide concrete trench fill foundations to L.A. approved depth, actual size & depth to suit site ground conditions.

Proposed two storey front extension at n°15 Ascot Road, Horton Heath, Hants.

drawing n° AR00 2
scale 1:50