

CONSTRUCTION NOTES.

INSULATION VALUES TO BR AD L1B 2010 EDITION IN EXISTING DWELLINGS
WALLS 0.28 W/m²K ROOFS 0.16 W/m²K FLOORS 0.22 W/m²K

Proposed ventilated "cold" roof, tiled, approx. 35 degree pitched roof over Proposed Extension: Pantiles to match existing, 38x25 treated timber battens, max span 600mm, on breather membrane.

Treated timber roof trusses at maximum 600mm centres, to truss manufacturer's details, including calculations to Building Control approval.

Cold loft void ventilated by the breather membrane, subject to approval, or by over-fascia vents or eaves vents if required.

Loft insulation between and over ceiling joists to be Knauf Earthwool Loftroll 270 glass-fibre insulation, 270mm thick,

(or Knauf Earthwool Loftroll 40 100mm thick plus Loftroll 44 170mm thick, or other similar glass fibre insulation manufacture, to approval)

Foil-faced plasterboard ceiling minimum 12mm with gypsum plaster skim coat finish, painted, fixed in accordance with manufacturer's instructions, plasterboard to be moisture-resisting to bathroom ceiling. Include loft hatch, installed to manufacturer's instructions.

Construction to achieve U-value of 0.16 W/m²K in accordance with Building Regulations Approved Document L1B 2010 Edition.

Proposed suspended timber floor construction, U value 0.22 W/m²K: Treated timber, suggested to be either minimum 16mm softwood boarding on timber joists 150x50 at 400mm centres, or minimum 19mm softwood boarding on 150x50 timber joists at 600centres, sizes and fixings subject to Engineer's details, to Building Control approval.

Double joists, or wider joist, under partition, to approval.

Minimum 110 mm Celotex XR4110 underfloor insulation between joists, for joists at minimum 400cc, (notional P/A value 1.0)

External soffit of foil faced moisture resisting 12mm plasterboard with gypsum plaster skim finish, or fireline board with vapour barrier, or similar external cladding material to approval.

Proposed cavity walls, to achieve U-value of 0.28 W/m²K.

Facing brickwork to match existing, **100mm cavity** with 100mm Knauf Insulation Earthwool Dritherm Cavity Slabs, 32 or 34 glass mineral wool, full fill, and inner 100mm medium or lightweight blockwork, (to suit loading) with lightweight plaster finish, or **85mm cavity** with 85mm Knauf Insulation Earthwool Dritherm Cavity Slabs, 32 or 34 glass mineral wool, full fill, (not 37 rockwool unless aircrete blockwork is used, and/or walls dry-lined) with lightweight plaster finish to inner face of walls. Blockwork subject to Engineer's details, to approval.

NOTES: BELOW GROUND DRAINAGE

ALL DRAINAGE WORK TO BE CARRIED OUT TO L.A. APPROVAL. DRAINAGE SHOWN SUBJECT TO L.A. APPROVAL.

REDUNDANT DRAINAGE TO BE REMOVED SHOWN DOTTED, WITH EXISTING CONNECTIONS TO PROPOSED

DRAINAGE TO BE BLOCKED UP WITH CONCRETE TO L.A. APPROVAL