



new Celotex GA3000Z insulation, 50mm between and 35mm below rafters

ensure min. 50mm air space is maintained above insulation, incl. 5mm wide continuous at ridge via ventilating ridge tiles

fix ventilated roof tiles where ventilation is compromised

3 layers of HT elastomeric bituminous felt system bonded to 18mm external grade wbp decking on TA3080 Celotex roof insulation board on 1200g polythene vapour control layer on sw treated firrings laid to fall on 147x47mm SC3 sw treated joists at 450mm cts supported between new steel beam and off joist hangers over doubled up joists above window

new 12.5mm Gyproc Duplex plasterboard and skim ceiling finish

new steel beam to structural engineer's details to support ends of flat roof joists and with 100x75mm treated sw wallplate fixed over to support ends of trimmed rafters around dormers

new windows to be in upvc, double glazed using Pilkington K glass to achieve min. 2.0 u-value. Glazing less than 800mm above ffl to be toughened. Windows to give 1/20th floor area natural ventilation and have trickle vent capable of providing min. 8000mm sq. Windows to be adequately draught proofed to comply with Building Regulations requirements.

line of new/ existing purlin behind, supported off 75x75mm timber props

walls to dormers to consist of 100x50mm sw tanalised framework with vertical studs at 450mm centres and horizontal noggins at max. 900mm centres. Voids between studs to have 50mm thick Celotex GA3000Z insulation and 35mm externally. Finish internally to be Gyproc duplex plasterboard nailed through to studs with skim finish. Sheathing board externally to be 12mm external grade wbp. Vertical plain tiling externally to be on 38x25mm sw treated battens on 38x38mm sw treated counter battens on Tyvek or equal breather membrane. Secure code 4 lead flashing under abutments and dress down over tiles min. 150mm. Fix sw treated fillet to base to tilt eaves course in to correct plane and dress breather membrane over fillet. Fix eaves course tiles over

new 22mm flooring grade chipboard floor finish

Fix Glidevale MR50 Monovent or similar ventilator at abutments with code 4 lead flashing over

new upvc guttering, size to match existing, connected in to existing guttering

existing plasterboard ceiling to remain where possible, lay new 100mm Rockwool quilt insulation supported off chicken wire stapled to side of floor joists between new/ existing joists, all to provide 30 mins f.r. Where replaced, new ceiling to be 12.5mm plasterboard with skim finish

line of new 175x63mm floor joists at 400mm centres (see s.e. details), slotted between existing ceiling joists where possible

new steel beams to support new floor joists and props for purlins to structural engineer's details and intumescent coated to provide 30 mins f.r.

eaves vent to provide a min. of 25mm wide continuous strip

**plans people**  
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client	Proposed Loft Conversion
title	Proposed Detailed Section
<b>Building Regulations Drawing</b>	
scale: 1:20 @ A3	date: Jan 05
drawing no <b>2K421/18</b>	amendment