

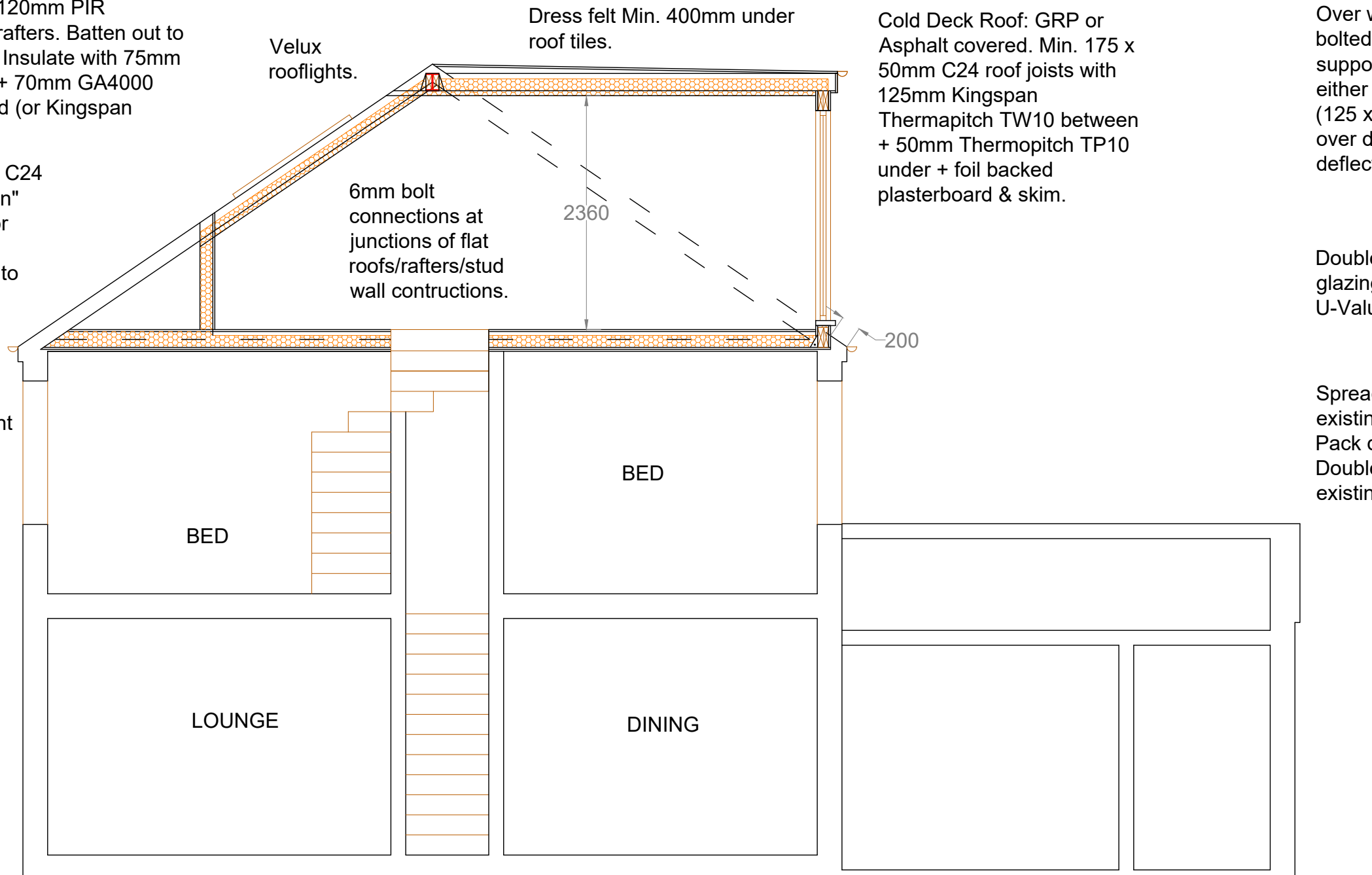
Sloping roof sections:
Breathable membrane with 120mm PIR insulation between existing rafters. Batten out to give rafter depth of 125mm. Insulate with 75mm GA4000 insulation between + 70mm GA4000 under +12.5mm plasterboard (or Kingspan TP10).

21mm T & G floorboards on C24 joists supported on "Simpson" strong tie hangers. New floor construction hung between existing ceiling construction to minimise floor depth.

Thruvent tiles at lower level. Number equivalent to continuous 25mm eaves vent and continuous proprietary vent Ridge tile system.

Firestop under beams with wire reinforced Rockwool. Sound insulation to new floors & internal walls.

100mm Kingspan K107 to roof void walls with 37.5mm Kooltherm K118 insulated plasterboard internally.



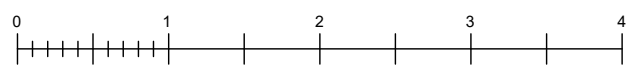
Cold Deck Roof: GRP or Asphalt covered. Min. 175 x 50mm C24 roof joists with 125mm Kingspan Thermapitch TW10 between + 50mm Thermopitch TP10 under + foil backed plasterboard & skim.

Over windows: 2 No. 150 x 50mm C24 bolted joists (at 900mm centres), supported on 2 150 x 50mm C24 studs either side. Window cill height 900mm. (125 x 6mm flitch plate recommended over doors or larger windows to limit deflection).

Double glazed windows with low E glazing. Whole unit to achieve a U-Value of 1.4W/m²K.

Spreader joists to be placed across all existing walls taking additional loads. Pack down new joists onto support walls. Double 100 x 50mm C24 joists on existing ceiling joists to spine wall.

Verify all dimensions on site before commencing any work or shop drawings. Allow 50mm for tolerance to all dimensions.



21 NORTH LANE., TEDDINGTON, TW11 0HJ

CLIENT: Mr Jonathan Boorman

SURVEY DATE: 08/08/22		ISSUE DATE: 11/01/22	
PROJECT: LOFT CONVERSION		DRAWN BY:CG	
DRAWING TITLE: PROPOSED LONGITUDINAL SECTION		REVISION: DATE:	
<input type="checkbox"/> Full planning	<input type="checkbox"/> Building Control	SCALE: 1:50 / A3	
<input type="checkbox"/> Prior Approval	<input type="checkbox"/> Draft	DWG NO: 07	
<input checked="" type="checkbox"/> Permitted Development	<input type="checkbox"/> Other		



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