

Revision  
DRAWING No. A022/074/BR/04

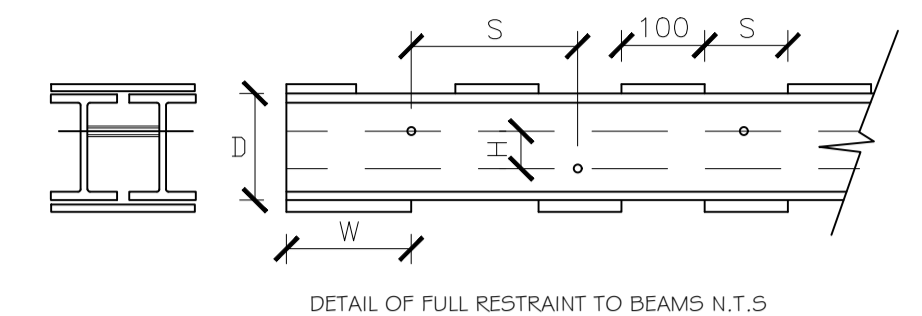
**DO NOT SCALE DIMENSIONS FROM DRAWING**

**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DO NOT SCALE FROM THIS DRAWING.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS AND DOCUMENTS. THE USER SHOULD CONSULT THE DRAWING ISSUE REGISTER FOR DETAILS.
4. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
5. THE ENGINEER/ARCHITECT SHOULD BE CONTACTED IMMEDIATELY IF THE ASSUMPTIONS USED IN THE DESIGN DIFFER TO THAT FOUND ON SITE.

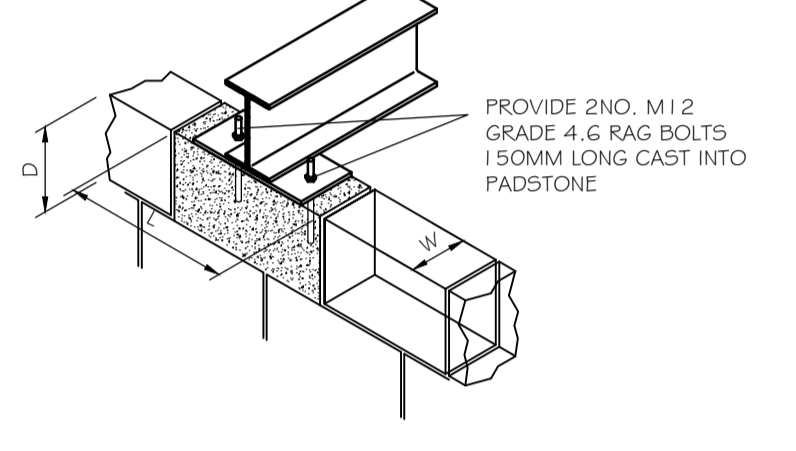
**ROOF CONSTRUCTION**

1. All roof construction to conform to Approved Document A1/1 Part B Table B2 of the Building Regulations
2. All timber to be tanalised or similarly treated against fungal growth and moisture resistance
3. All dimensions to be checked on site prior to fabrication.
4. All timber to be grade C16, unless otherwise specified
5. Insulation to flat ceilings with pitched roof to be 300mm-thk fibre glass rockwool, unless otherwise specified, to be laid 150mm & 150mm cross battens.
6. Insulation to inclined roof areas to reach U-value 0.18 to be 115mm Kingspan thermopatch TP10 zero oap between rafters and 37.5mm K18 Kingspan kooltherm under rafters, or 75mm Kingspan kooltherm between rafters & 62.5mm K18 Kingspan kooltherm under rafters, alternatively 150mm kooltherm 7K between rafters, in accordance with manufacturers recommendations, ensure continuous air gap of 25mm above insulation otherwise use breathable felt.
7. Ventilation to sloping ceiling at high level ridge vents at 20m c/c & 50mm constant cross flow ventilation, 25mm continuous eaves ventilation provided by eaves comb
8. Wall plate to be 100 x 75mm timber section mortar bedded to inner leaf and fixed with BAT straps VTI200mm at 1800mm c/c
9. 12.5mm thick plasterboard and Artex skin ceiling provided to soffit
10. All valleys to be boarded with 12mm thick external grade plywood lined with Code 4 lead to BS H Handbook.
11. Facia to be 225 x 25mm PAR timber section
12. Tiles to match existing, unless otherwise specified laid on 25 x 50mm tanalised timber battens at gauge specified by manufacturer on a sarking felt as supplied by MonoFlex or similar
13. Double & triple joists to be bolted together at 900mm c/c
14. Shallow pitched roof tiles to be fixed to tile battens on 2 layers of bituminous felt on 18 mm plywood boarding on rafters
15. Ensure 10mm continuous ventilation at ridge to pitched roofs, lean to roofs to relieve cavity tray & code 4 lead flashing to incorporate abutment ventilator to provide continuous 10mm ventilation & 25mm continuous ventilation at vented soffit.
14. Roof pitch refer to section



ALL STEELWORK TO BE IN PLACE BEFORE EXISTING WALL TO BE DEMOLISHED. EXISTING FIRST FLOOR TO BE SUITABLY PROPPED DURING STEEL INSTALLATION ALL TO SATISFACTION OF STRUCTURAL ENGINEER.

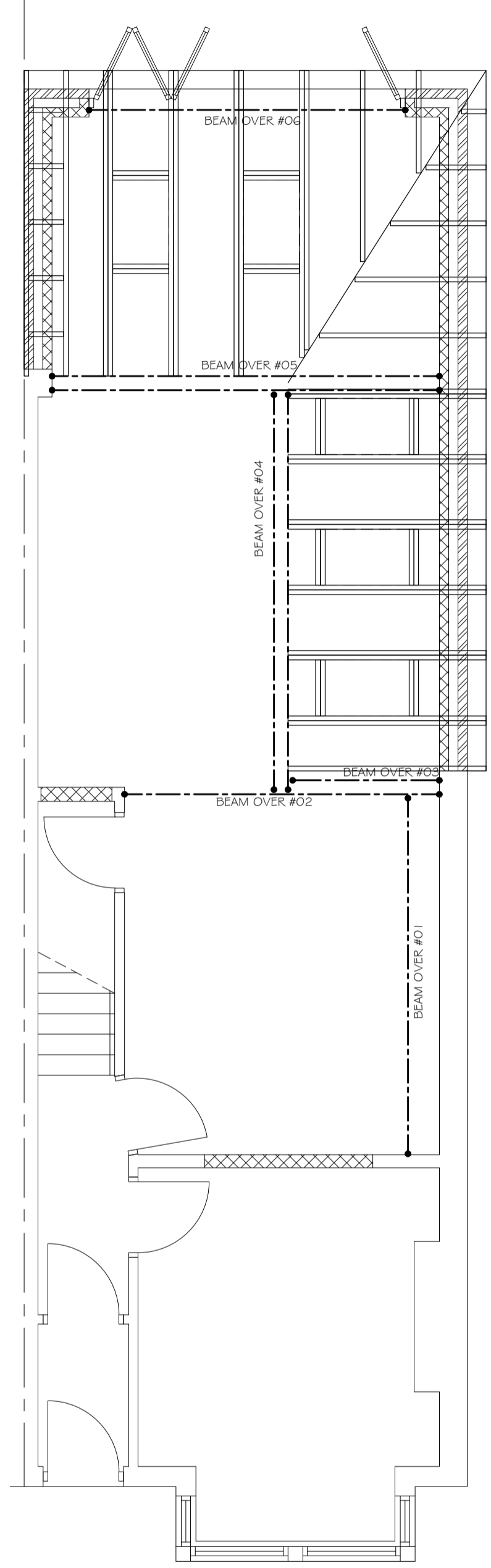
CONTRACTOR TO CHECK DESIGN LOADING ASSUMPTIONS ON SITE PRIOR TO REMOVAL OF WALLS. ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO ANY MANUFACTURE OF STEEL



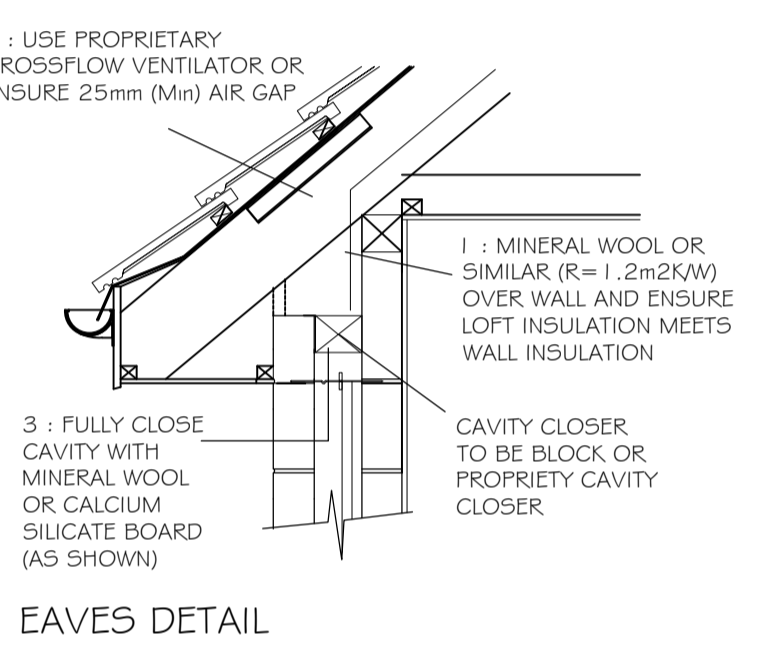
TYPICAL PADSTONE DETAIL

BEAM SCHEDULE						
BEAM No.	S/FAN	SECTION SIZE	REACTION L	REACTION R	PADSTONE SIZE LEFT	PADSTONE SIZE RIGHT
BEAM #01						
BEAM #02						
BEAM #03						
BEAM #04						
BEAM #05						
BEAM #06						

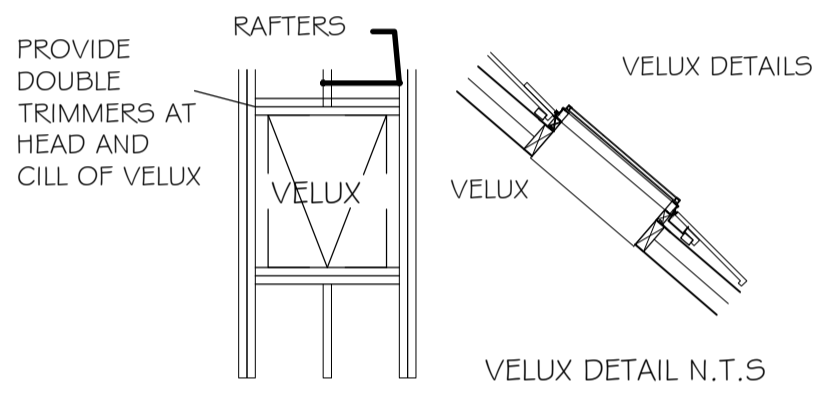
ALL REACTIONS ARE UNFACTORED  
 Nominal Padstones are to be C20 cast in situ conc 415mm(L)x100mm(W)x225mm(D)  
 BP.....Denotes 10mm thk plate welded to bottom flange  
 B.....Denotes beams battened together as detail  
 HD.....DENOTES HILTI HOLDING DOWN BOLTS REQUIRED AS PER DETAIL



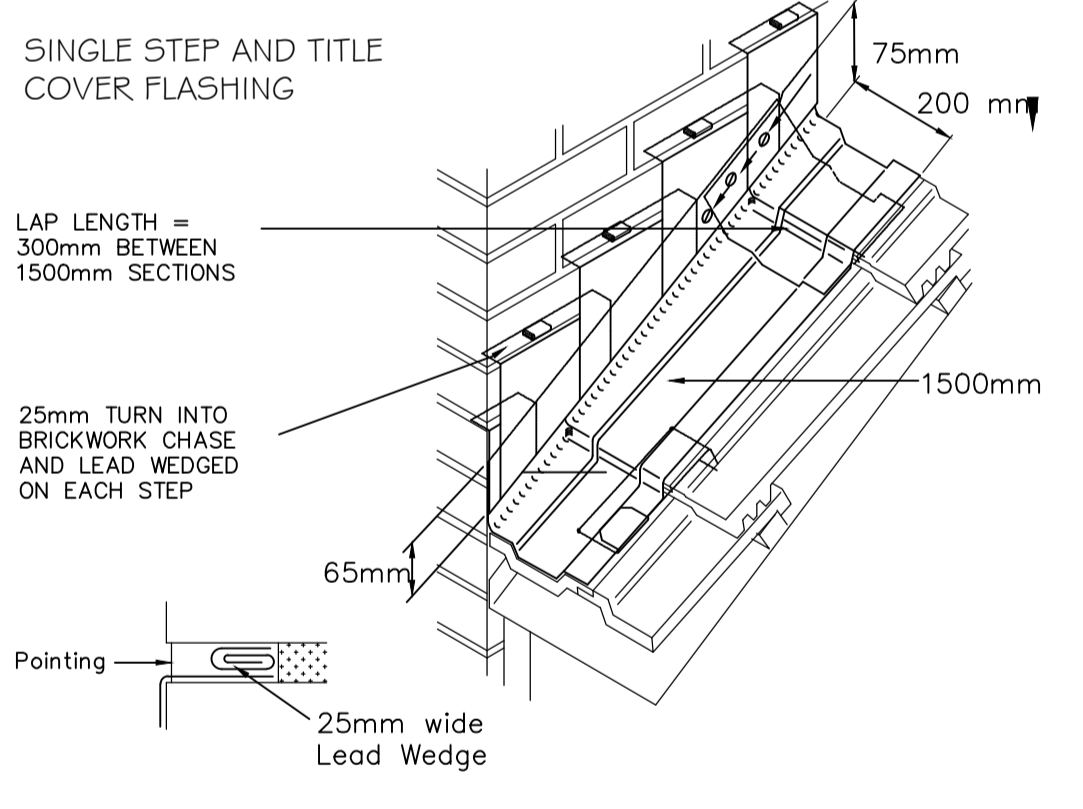
ROOF TIMBER GA SCALE 1:50



EAVES DETAIL



NOTE: ALL VELUX WINDOWS TO COMPLY WITH U=1.6W/M2K AND TO BE A-A RAITING

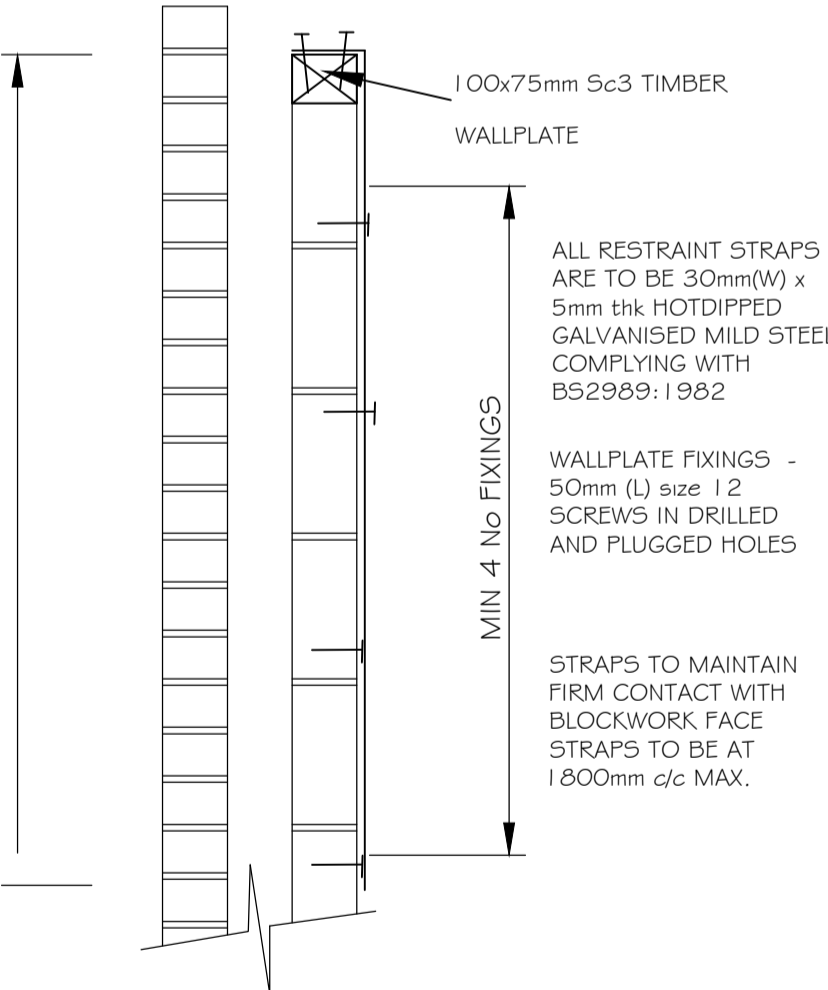


SINGLE STEP AND TITLE COVER FLASHING

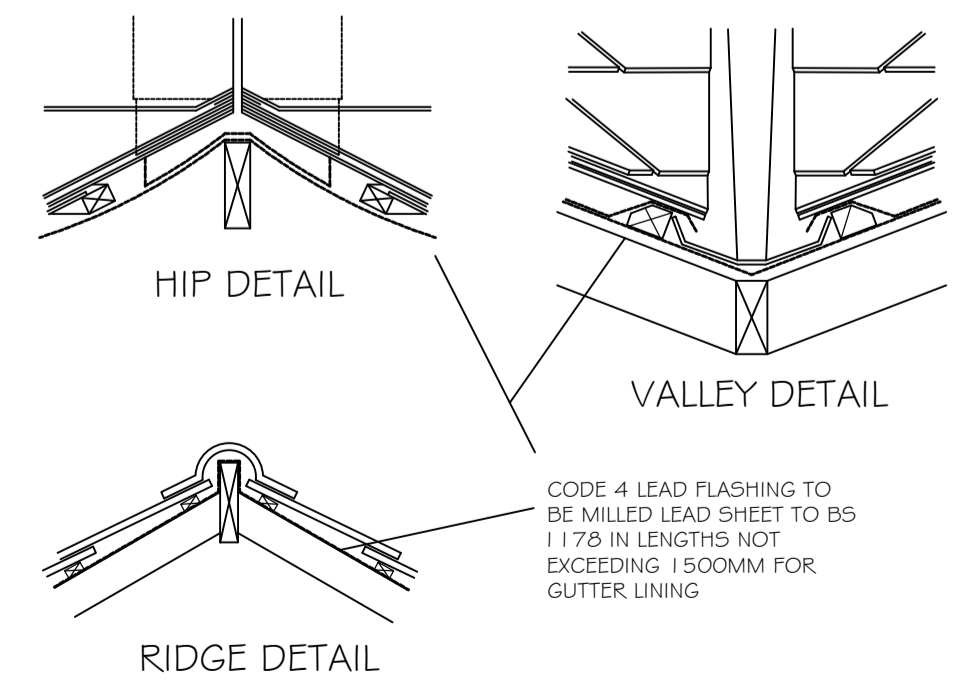
**TIMBER SIZES:**  
 22x150 LAYBOARDS  
 35x147 RIDGEBOARD  
 35x97 RAFTERS  
 35x97 JOISTS  
 2X47x147 HEADER  
 50x100 DORMER CHEEKS

ENSURE TILT FILLET HEIGHT IS AT LEAST EQUAL TO TOP OF THE BATTEN  
 WIDTH OF LINING PIECES WILL VARY DEPENDING ON CATCHMENT AREA, SEE PUBLICATION REFERENCE UPDATE 1.  
 GUTTER LININGS MINIMUM CODE 4 IN LENGTHS NOT EXCEEDING 1500MM  
 SLATERS FELT SHOULD TERMINATE OVER THE TOP OF THE LINING PIECES AT THE TILT FILLET  
 PATINATION OIL, CONSIDER USE TO REDUCE RISKS OF STAINING WHERE WATER FROM GUTTER MAY DISCHARGE OVER SURROUNDING ROOF

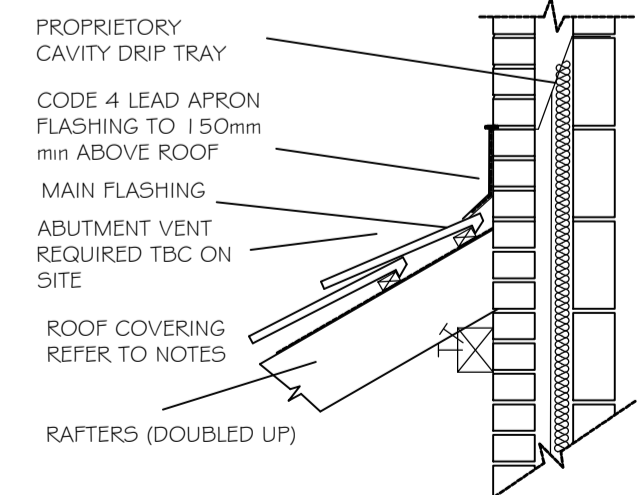
A (mm)	WITH BEDDED TILES	WITH UNBEDDED TILES OR SLATES
	Width of lead to line valley (mm approx.)	Width of lead to line valley (mm approx.)
100	500	400
125	525	425
150	550	450
200	600	500
250	650	550



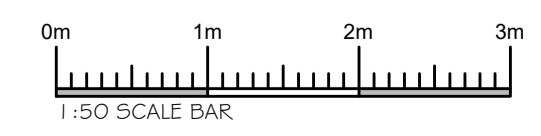
WALL PLATE DETAILS



RIDGE DETAIL



PITCHED ROOF TO WALL DETAIL



**TRADITIONAL ROOF CONSTRUCTION**  
 Member sizes as follows:-  
 Hips 38 x 250mm  
 Purlins 75 x 225mm @ 1200mm c/c  
 Ridge 44 x 175mm  
 Rafters 50 x 125mm @ 400mm c/c  
 Ceiling Rafters 50 x 75 mm @ 400mm c/c  
 Dragon ties provided at all hips

**STEELWORK**  
 1. All steelwork to be grade 43A in accordance with BS355, unless specified otherwise  
 2. The Contractor is to ensure all existing structure is adequately propped prior to forming new openings. Brickwork is to be wedged and packed with dry mix mortar and slates over new beams prior to the removal of the props.  
 3. Where so marked as battened together beams are to be secured together with M12 bolts in sleeves at 600mm c/c along web staggered top and bottom, together with 6mm thk x 125mm wide plate welded to top and bot. Flanges at 600mm c/c. Bearing plates to be 12mm thk minimum 450mm wide welded to bot flange.  
 4. All welds to be 6mm fillet welds unless specified otherwise.  
 5. All beams to be seated on minimum 100mm bearing on C20 cast in situ concrete padstones as shown on drawing. Nominal size to be 100mm thk x 225mm deep x 215mm long, ie 1# dense concrete block.  
 6. All proprietary systems to be fixed in accordance with manufacturers details and specifications  
 7. All steelwork to be free from rust and mill scale and shot blasted to standard SA. To be spray painted in the fabrication shop with 1No Coat of zinc rich primer, 30 microns, zincatech or similar. All chips and handling scars to be touched up on site when in position.  
 8. Fire resistance to be a minimum of 1 hour provided by 2 ply plasterboard and skin, with staggered joints; or an approved intumescent paint such as Nullifire or similar.  
 9. All steelwork joints to be detailed by steelwork fabricator, unless indicated on the drawing.  
 10. All bolts to be M12 4.6 Black bolts unless specified otherwise, to be spun hot dip galvanised.

Rev.	Amendments	Date	By
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PROJECT ADDRESS  
 10 HASLEMERE AVENUE, BLACKPOOL,  
 LANCASHIRE, FY3 9JG

PROJECT TITLE  
 REAR KITCHEN EXTENSION

DRAWING TITLE  
 PROPOSED ROOF TIMBER & STEELWORK SCHEDULE  
 (OPTION 2)

Client MR # MRS MAHONEY Scales@A1 1:50/100

Drawn JG Checked Date 12/04/22

DRAWING No. A022/074/BR/04 Revision

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