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	Date	Revisions
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Client

Location

Proposal

Drawing Title

Scale

Date

Drawn by

Drg No.

Revision

**TRUSSED RAFTER ROOF:**

NEW ROOF TILES TO MATCH EXISTING, ON 25 x 38 SW TREATED TILING BATTENS ON MONOPERM 700 ROOFING MEMBRANE (MIN 150mm LAPS). NEW PRE-FABRICATED ROOF TRUSSES TO MANUFACTURERS SPECIFICATION AND DESIGN AT 600mm CENTRES. 100 x 75mm WALL PLATE SECURED WITH 30 x 3 GALVANISED STEEL RESTRAINT STRAPS AT MAXIMUM 2000 CENTRES AND BRACING ALL TO B.S 5268 & 5628.

TO SLOPING CEILING INSTALL 1 LAYER OF CELOTEX TUFF-R GA3000Z INSULATION WHICH IS TO BE 150mm BETWEEN THE RAFTERS WITH 13mm PLASTERBOARD AND SKIM FINISH TO THE UNDERSIDE. NOTE! MINIMUM 10mm AIR GAP IS TO BE MAINTAINED ABOVE THE INSULATION FOR VENTILATION PURPOSES. ALL TO PROVIDE A U-VALUE OF 0.2 W/m<sup>2</sup>K.

TO FLAT CEILING INSTALL A MINIMUM OF 300mm TOTAL INSULATION QUILT WITHIN ROOF VOID, 100MM CROWN WOOL (0.040W/m<sup>2</sup>K) OR EQUAL LAID BETWEEN CEILING JOISTS AND 150mm CROWN WOOL (0.040W/m<sup>2</sup>K) OR EQUAL LAID PERPENDICULARLY OVER. U=0.16W/m<sup>2</sup>K. 12.5mm PLASTERBOARD AND SKIM FINISH TO UNDERSIDE. 50mm AIRFLOW IS TO BE MAINTAINED OVER WALL PLATES AND ACROSS RIDGE.

**FIRST FLOOR:**

225mm x 50mm C16 GRADE TIMBER FLOOR JOISTS AT MAXIMUM 400mm CENTRES SPANNING THE SHORTEST DISTANCE. 1 ROW OF STRUTTING WHERE SPANS EXCEED 2500 AND 2ND ROWS WHERE SPANS EXCEED 4500 OF EITHER 175 x 38 SOLID STRUTTING OR 38 x 38 HERRINGBONE STRUTTING EQUALLY SPACED PERPENDICULAR TO JOIST SPAN. MIN 22mm TONGUE AND GROOVED WATER RESISTANT CHIPBOARD IS TO BE LAID OVER AND NAILED INTO JOISTS. ONE LAYER OF 12.5mm THICK PLASTERBOARD TO U/SIDE WITH TAPED AND SKIMMED JOINTS. 100mm ROCKWOOL INSULATION IN BETWEEN FLOOR JOISTS.

**BRICK AND BLOCK CAVITY WALLS:**

300mm CAVITY WALLS CONSTRUCTED WITH ANCON STAFFIX HRT4 STAINLESS STEEL WALL TIES AT 900 C/C HORIZONTALLY AND 450 C/C VERTICALLY STAGGERED, 300 C/C VERTICALLY AT REVEALS. 102mm FACING BRICK OUTER-LEAF, 100mm CAVITY FILLED WITH 75mm CROWN DRITHERM INSULATION AND 100mm DUROX SUPABLOC (AERATED BLOCKWORK) OR EQUAL APPROVED BY BUILDING INSPECTOR. INTERNALLY BLOCKWORK IS TO RECEIVE A 25mm OVER ALL DRYLINING PLASTERBOARD AND SKIM FINISH. ALL TO PROVIDE A MINIMUM U-VALUE OF 0.30 W/m<sup>2</sup>K.

CATNIC COUGAR 70/100 RANGE (OR SIMILAR APPROVED) LINTELS TO BE USED OVER NEW EXTERNAL OPENINGS WITH MIN 150mm END BEARINGS AND CAVITY TRAY OVER WITH WEEP HOLES BUILT INTO BRICKWORK JOINTS.

**TRENCH FILL FOUNDATIONS:**

TRENCH EXCAVATIONS MIN 1000MM DEEP AND 600mm WIDE FOR OUTER CAVITY WALLS AND 450mm WIDE FOR INTERNAL SINGLE SKIN LOAD BEARING WALLS. ALL DEPTHS TO BE APPROVED ON SITE BY THE BUILDING CONTROL OFFICER WHICH WILL BE DETERMINED BY THE GROUND CONDITIONS. GRADE ST4 TRENCH-FILL CONCRETE LAID TO MAX 150mm FROM FINISHED GROUND LEVEL GOOD QUALITY BRICKWORK TO BOTH SKINS UNDERGROUND OR SUITABLE ALTERNATIVE I.E. TRENCH BLOCK.

**VELUX ROOFLIGHTS:**

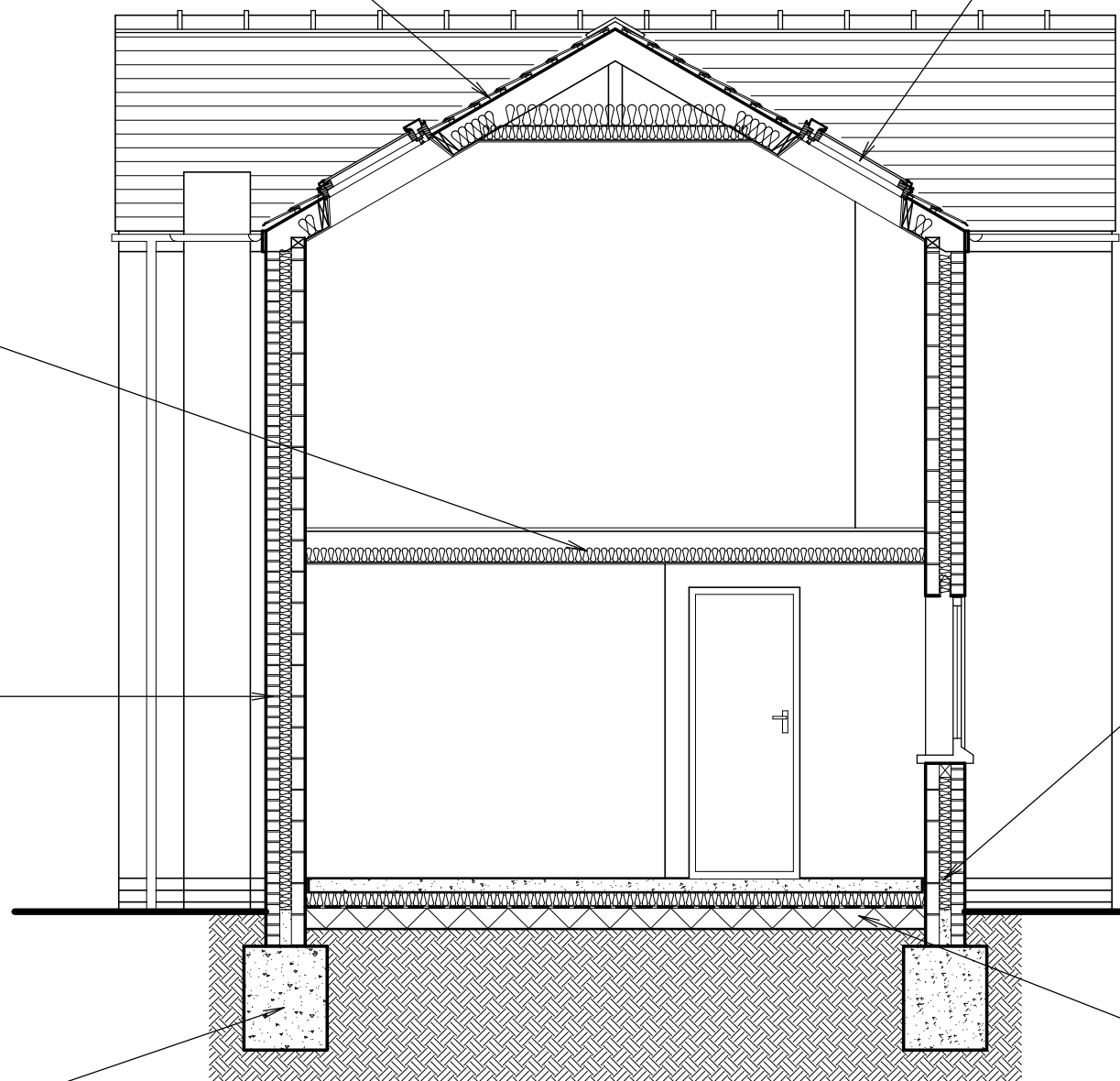
MANUALLY OPERATED VELUX ROOFLIGHTS FITTED INTO THE VAULTED ROOF WITH THE OPENING TRIMMED OUT AS MANUFACTURERS RECOMMENDATIONS AND THE APPROVAL OF THE BUILDING INSPECTOR.

**DAMP PROOF COURSE:**

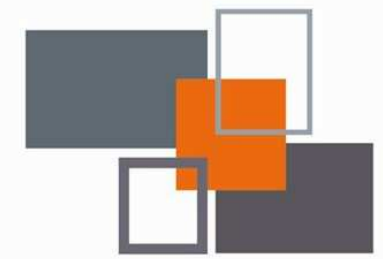
HORIZONTAL AND VERTICAL DAMP PROOF COURSE TO B.S. 743 VERTICAL DAMP PROOF COURSE TO ALL NEW OPENINGS, MINIMUM 150mm WIDE. HORIZONTAL DAMP PROOF COURSE TO BE CONTINUOUS WITH DAMP PROOF MEMBRANE IN THE FLOOR AND POSITIONED 150mm MINIMUM ABOVE FINISHED GROUND LEVEL. CAVITIES TO BE FILLED WITH A WEAK MIX CONCRETE 225mm BELOW DPC.

**GROUND FLOOR SLAB:**

INSTALL 100mm GRADE ST2 READY MIXED CONCRETE IN-SITU FLOOR SLAB - HAND FINISHED ON 80mm CELOTEX TUFF-R GA3000Z INSULATION ON 2000G POLYTHENE DPM MADE CONTINUOUS WITH DPC ON SAND-BLINDED WELL CONSOLIDATED HARDWARE, MIN 150mm OVER CLEARED TOPSOIL. ALL IS TO PROVIDE A MINIMUM U-VALUE OF 0.22W/m<sup>2</sup>K. LEVEL GOOD QUALITY BRICKWORK TO BOTH SKINS



PROPOSED SECTION THROUGH (1:50)



**MAKING PLANS**  
architecture

Ivy Lodge, Twyford Road, Willington, Derby. DE65 6DE  
T/F 01283 703160 E info@makingplans-architecture.co.uk  
W www.makingplans-architecture.co.uk