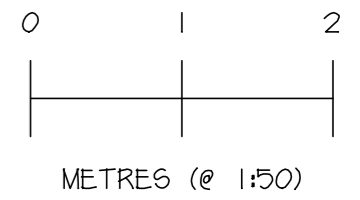


NOTES

All dimensions must be checked on site and not scaled from this drawing



Date	Revisions

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Client

Location

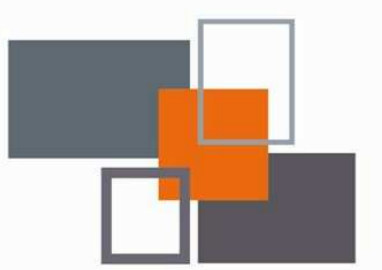
Proposal

Drawing Title

Scale

Date Drawn by

Drg No. Revision



MAKING PLANS
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TRADITIONAL ROOF:

INSTALL NEW TRADITIONAL 150X30MM RAFTERS AT 300 C/C WITH 100X50 COLLARS. (NOTE: ALL FULLY SPECIFIED BY THE STRUCTURAL ENGINEER)

TO SLOPING CEILING: INSTALL 1 LAYER OF CELOTEX TUFF-R GA3000Z INSULATION WHICH IS TO BE 140MM BETWEEN THE RAFTERS WITH 13MM PLASTERBOARD AND 6MM 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/M2K.

TO FLAT CEILING: INSTALL A MINIMUM OF 250MM TOTAL INSULATION GUILT WITHIN ROOF VOID, 100MM CROWN WOOL (0.040W/MK) OR EQUAL LAID BETWEEN CEILING JOISTS AND 150MM CROWN WOOL (0.040W/MK) OR EQUAL LAID PERPENDICULARLY OVER- U=0.16W/ MK. 12.5MM PLASTERBOARD AND 6MM FINISH TO UNDERSIDE. 50MM AIRFLOW IS TO BE MAINTAINED OVER WALL PLATES AND ACROSS RIDGE.

VELUX ROOFLIGHTS:

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

STRUCTURAL STUDWORK FRAMING:

USE 100 X 50MM STUDWORK FRAMING AT 300MM C/C WITH 18MM PLY FACE. INSTALL 100MM CELOTEX INSULATION BETWEEN FRAMING.

SECOND FLOOR (TO LOBBY):

125MM X 63MM C16 GRADE TIMBER FLOOR JOISTS AT MAXIMUM 450MM CENTRES SPANNING THE SHORTEST DISTANCE. 1 ROW OF STRUTTING WHERE SPANS EXCEED 2500 AND 2ND ROWS WHERE SPANS EXCEED 4500 OF EITHER 125 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. 100 MM ROCKWOOL INSULATION IN BETWEEN FLOOR JOISTS SUPPORTED OFF CHICKEN MESH ABOVE EXISTING PLASTERBOARD.

TRADITIONAL ROOF:

NEW ROOF TILES TO MATCH EXISTING, ON 25 X 38 6W TREATED TILING BATTENS ON MONOFORM 700 ROOFING MEMBRANE (MIN 150MM LAP). TRADITIONAL 200X50MM RAFTERS AT MAXIMUM 450MM CENTRES WITH 100X50 CEILING JOISTS AT 450MM CENTRES. 100X75MM WALL PLATE SECURED WITH 30X5 GALVANISED STEEL RESTRAINT STRAPS AT MAXIMUM 2000 CENTRES AND BRACING ALL TO B.S. 5286 & 5626.

INSTALL 175X63MM WALL PLATE BOLTED @ 400 C/C WITH 16MM DIA BOLTS INTO EXISTING WALL TO TAKE THE TOP OF THE NEW RAFTERS. INSTALL STAINLESS STEEL TRUSS CLIPS TO THE TOP OF THE RAFTER FIXED TO WALL PLATE.

TO SLOPING CEILING: INSTALL 1 LAYER OF CELOTEX TUFF-R GA3000Z INSULATION WHICH IS TO BE 140MM BETWEEN THE RAFTERS WITH 13MM PLASTERBOARD AND 6MM 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/M2K.

TO FLAT CEILING: INSTALL A MINIMUM OF 250MM TOTAL INSULATION GUILT WITHIN ROOF VOID, 100MM CROWN WOOL (0.040W/MK) OR EQUAL LAID BETWEEN CEILING JOISTS AND 150MM CROWN WOOL (0.040W/MK) OR EQUAL LAID PERPENDICULARLY OVER- U=0.16W/ MK. 12.5MM PLASTERBOARD AND 6MM FINISH TO UNDERSIDE. 50MM AIRFLOW IS TO BE MAINTAINED OVER WALL PLATES AND ACROSS RIDGE.

254 X 254 X 107 UC ALL FULLY DETAILED IN ENGINEERS CALCULATIONS

VELUX ROOFLIGHTS:

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

BRICK AND BLOCK CAVITY WALLS:

280MM CAVITY WALLS CONSTRUCTED WITH ANCON STAFFIX HRT4 STAINLESS STEEL WALL TIES AT 300 C/C HORIZONTALLY AND 450 C/C VERTICALLY STAGGERED. 300 C/C VERTICALLY AT REVEALS. 102MM FACING BRICK OUTER-LEAF, 85MM CAVITY FILLED WITH 75MM CROWN DRITHERM INSULATION AND 100MM DUROX GIPABLOC (AERATED BLOCKWORK) OR EQUAL APPROVED BY BUILDING INSPECTOR. INTERNALLY BLOCKWORK IS TO RECEIVE A 25MM OVER ALL DRYLINING PLASTERBOARD AND 6MM FINISH. ALL TO PROVIDE A MINIMUM U- VALUE OF 0.30 W/M2K.

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.

DOORS AND WINDOWS:

NEW WHITE UPVC WINDOW AND DOOR FRAMES WITH DOUBLE GLAZING UNITS INCORPORATING A 16MM AIR GAP BETWEEN GLASS WHICH IS TO BE ARGON GAS FILLED WITH A 'SOFT' LOW-E COATING (SUCH AS PILKINGTON 'K' GLASS OR SIMILAR) U=1.8W/M2K. ALL TO BE FULLY DRAUGHT PROOFED, TOUGHENED SAFETY GLASS TO BS.6206:1981 TO BE USED IN LOCATIONS SUCH AS DOORS ETC, AND SIDE LIGHTS, AND WHERE SILL IS BELOW 600MM AND IN DOORS 1500MM ABOVE FINISHED FLOOR LEVEL (ALL IN ACCORDANCE WITH PART N OF THE BUILDING REGULATIONS).

DAMP PROOF COURSE:

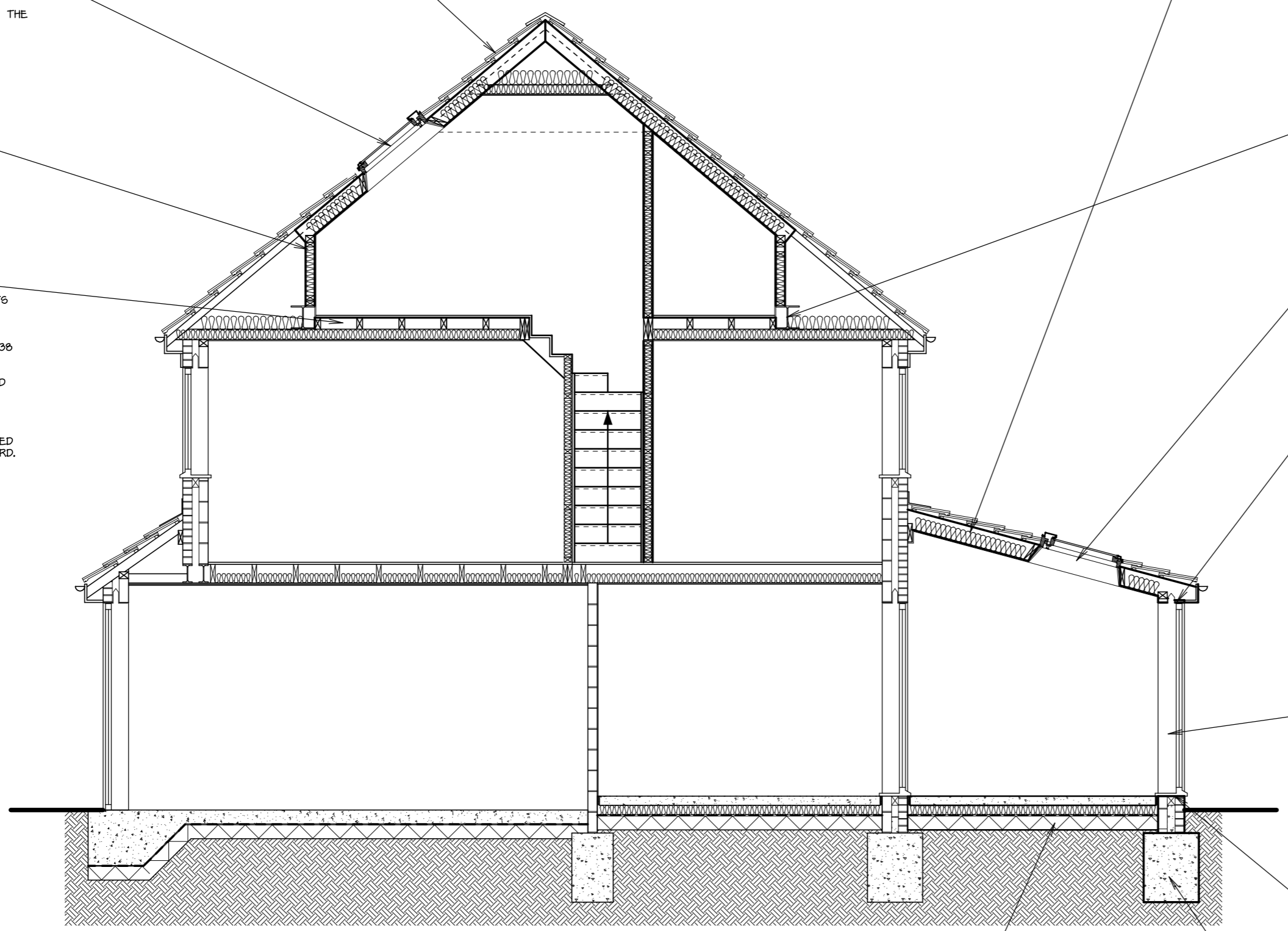
HORIZONTAL AND VERTICAL DAMP PROOF COURSE TO B.S. 743 VERTICAL DAMP PROOF COURSE TO ALL NEW OPENINGS, MINIMUM 150MM WIDE. HORIZONTAL DAMP PROOF COURSE TO BE CONTINUOUS WITH DAMP PROOF MEMBRANE IN THE FLOOR AND POSITIONED 150MM MINIMUM ABOVE FINISHED GROUND LEVEL. CAVITIES TO BE FILLED WITH A WEAK MIX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

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 6T4 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.

GROUND FLOOR SLAB:

INSTALL 100MM GRADE 6T2 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 HARDCORE, MIN 150MM OVER CLEARED TOPSOIL. ALL IS TO PROVIDE A MINIMUM U- VALUE OF 0.22W/M2K. LEVEL GOOD QUALITY BRICKWORK TO BOTH SKINS



PROPOSED SECTION THROUGH (1:50)