

ROOF : MARLEY MODERN CONCRETE ROOF TILES WITH CLOAKED VERGE TO MATCH EXISTING ON 38x25mm TIMBER BATTENS ON BREATHABLE ROOFING FELT TO BS 747 GIVING THE NECESSARY VENTILATION WITH MINIMUM OVERLAP OF 600mm ALSO WITH MARLEY 25mm EAVES VENT SYSTEM FOR THROUGH VENTILATION. TRUSSED RAFTERS TO BE DESIGNED AND MANUFACTURED BY SPECIALIST SUPPLIER AND FITTED WITH 100x25mm LATERAL WIND BRACING AND SECURED TO 50x100mm TIMBER WALL PLATE WITH GALVANISED TRUSS CLIPS. ROOF INSULATION TO BE 300mm ROCKWOOL BATTIS LAID BETWEEN JOISTS GIVING A U-VALUE 0.16W/m²K OR LESS.

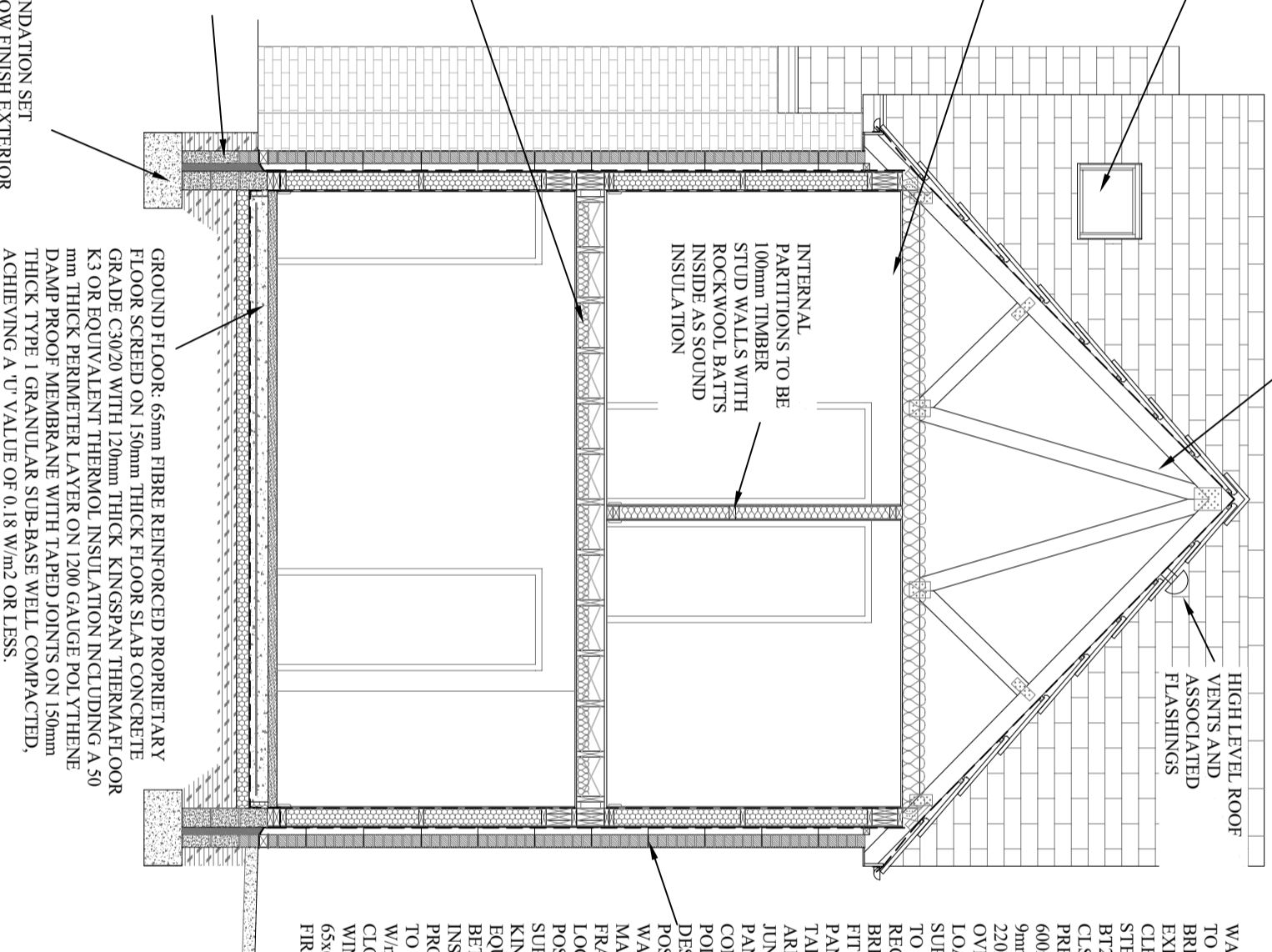
980x560mm VELUX OR EQUIVALENT SKYLIGHT WINDOWS ABOVE PROPOSED STAIR CASE

ALL CEILINGS TO HAVE 12.5mm PLASTERBOARD TO BE TAPED AT JOINTS AND 3mm THICK PLASTER. FOIL BACKED PLASTERBOARD TO BATHROOMS AND KITCHEN.

FLOOR TO CONSIST OF 18mm T&G WATER RESISTANT CHIPBOARD ON CLASS C16 MIN 38x170mm FLOOR JOISTS OR DEPTH TO MATCH EXISTING FLOOR DEPTH. DOUBLED UP UNDER PARTITION AT 400mm CENTRES. IN-CENTRIC GALVANISED STEEL HERRINGBONE STRUTTING AT MID POINTS AND TO INCLUDE SOUND INSULATION AS PART OF THE BUILDING REGS. ENDS OF JOISTS TO BE BUILT INTO TIMBER FRAME WALLS OR SUPPORTED BY GALVANISED HANGERS AND SPOITED BY UNIVERSAL BEAM DESIGNED BY OTHER.

WALL CONSTRUCTION: BELOW DPC - 100mm THICK 7N DENSE CONCRETE BLOCKWORK EXTERNAL SKIN WITH FACING BRICK BAND COURSE TO MATCH EXISTING INC WEEP HOLES AT GROUND LEVEL. 65mm CAVITY FILLED TO GROUND LEVEL WITH LEAN MIX CONCRETE AND 150mm THICK 7N DENSE CONCRETE BLOCKWORK INTERNAL SKIN.

600x300mm STRIP FOUNDATION SET MINIMUM 600mm BELOW FINISH EXTERIOR GROUND LEVEL CONCRETE GRADE C30/20.



HIGH LEVEL ROOF VENTS AND ASSOCIATED FLASHINGS

INTERNAL PARTITIONS TO BE 100mm TIMBER STUD WALLS WITH ROCKWOOL BATTIS INSIDE AS SOUND INSULATION

WALLS ABOVE GROUND LEVEL TO BE 100mm THICK FACING BRICKWORK TO MATCH EXISTING EXTERNAL SKIN. 65mm CLEAR CAVITY WITH STAINLESS STEEL WALL TIES AS CATNIC BT2-4 OR EQUIVALENT. 140x38mm CLS SOFTWOOD. VAC-VAC PRESERVATIVE TREATED AT 600mm CENTRES GENERALLY. 9mm BBA STERLING BOARD, 2 No. 220x45mm GRADE C24 SOFTWOOD OVER OPENINGS IN LOAD-BEARING WALLS. LINTOLS SUPPORTED ON CRIPPLE STUDS TO STRUCTURAL ENGINEER'S RECOMMENDATIONS. TYVEK BREAHER PAPER FACTORY FITTED TO EXTERNAL FACE OF PANELS. USING POLYPROPYLENE TAPE AND STAPLES. OVERLAPS ARE ALLOWED TO COVER THE JUNCTION WITH ADJOINING PANEL OR FLOOR CONSTRUCTION. THE VERTICAL POLYPROPYLENE TAPE DESIGNATED VERTICAL STUD POSITIONS. THE STAINLESS STEEL WALL TIES SECURING THE MASONRY TO THE TIMBER FRAME SHOULD ONLY BE LOCATED AT A VERTICAL STUD POSITION. DETAILED DESIGN BY SUPPLIER. INSULATED WITH KINGSPAN KOOKTHERM K8 OR EQUIVALENT 140mm THICK BETWEEN STUDS AND WITH INSULATED VERTICAL DAMP PROOFING AT OPENING REVEALS TO ACHIEVE A 'U' VALUE OF 0.15 W/m²K MIN. CAVITY TO BE CLOSED AT HIGHEST POINT AND WINDOWS AND DOORS WITH 65x65 mm TIMBER BATTEN AS FIRE STOP.

GROUND FLOOR: 65mm FIBRE REINFORCED PROPRIETARY FLOOR SCREED ON 150mm THICK FLOOR SLAB CONCRETE GRADE C30/20 WITH 120mm THICK KINGSPAN THERMAFLOOR K3 OR EQUIVALENT THERMOL INSULATION INCLUDING A 50 mm THICK PERIMETER LAYER ON 1200 GAUGE POLYTHENE DAMP PROOF MEMBRANE WITH TAPED JOINTS ON 150mm THICK TYPE 1 GRANULAR SUB-BASE WELL COMPACTED, ACHIEVING A 'U' VALUE OF 0.18 W/m² OR LESS.

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.

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| project title | drawing title | | scale | date | drawn | checked |
| PROPOSED EXTENSION & LOFT CONVERSION AT | CROSS SECTION B - B | | 1:50 @A3 | Nov'23 | | |
| 34 DRUM TOWER VIEW, CAERPHILLY. | | | project ref. | drawing no. | 107 | rev. |