

TRUSSED RAFTERS - INSULATION AT CEILING LEVEL

ROOF TYPE : DUO PITCH 35 DEGREE, TRUSSED RAFTER OVERHANG TO MATCH EXTG HOUSE
THE TRUSSED RAFTER & JOIST SUPPLIER TO PROVIDE DETAILS & SUPPORTING CALCULATIONS ALL IN ACCORDANCE WITH BS 5268.
SOFT WOOD TO BE PRESERVED WITH 'VASCOL' ORGANIC SOLVENT PRESERVATIVE OR SIMILAR APPROVED.
TIMBERS TO BE FIXED TO 50 x 100 WALL PLTS WHICH SHOULD BE BEDDED IN MORTAR & FIXED WITH 1000 mm GALVANIZED MILD STEEL STRAPS TO INNERLEAF BLOCKWORK.
LAY REDLAND SPIRTECH 250 BREATHABLE MEMBRANE ON RAFTERS WITH 150mm HORIZ. & 450mm VERT. LAPPED JOINTS LAID TO DRIP INTO EAVES GUTTER & SECURED WITH CLOUT NAILS INSERT 100mm THICK 'ROCKWOOL ROLLBATTS' BETWEEN C/JOISTS WHICH SHOULD BE EXTENDED OVER EXTERNAL WALLS & 200mm THK. ROCKWOOL ROLLBATTS OVER AT RIGHT ANGLES AT CEILING LEVEL TO GIVE A 'U' VALUE NOT EXCEEDING 0.18 W/M²K
ACCESS TO ROOF SPACE VIA NEW TRAP DOOR WITH 50*125 TRIMMING TILES TO BE MATCHING COLOUR & TYPE OF EXTG. BUILDING & BE TO THE APPROVAL OF THE LOCAL AUTHORITY.
TILES & BATTENS TO BE FIXED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS/GUIDELINES (BS:5534)
RIDGE TILES TO BE BEDDED IN MORTAR (1:3 CEMENT/SAND) OR PREFERABLY BE MECHANICALLY FIXED.
NOTE: ANY FAILURE TO ADHERE TO BS 5534 COULD RESULT IN THE ROOF BEING EXCLUDED FROM A WARRANTY COVER.

FLAT ROOF - SINGLE PLY MEMBRANE

CLASSIC BOND 1.2mm & 1.5mm ROOFING MEMBRANES NON-REINFORCED EPDM BASED ELASTOMERIC HOMOGENOUS ROOF COVERINGS.
MAY BE USED FOR NEW SINGLE PLY ROOF CONSTRUCTION OR RE-ROOFING APPLICATIONS.
FLAT ROOF COVERING TO ACHIEVE A SURFACE SPREAD OF FLAME RATING MINIMUM A-C OR B
NO SPECIAL EQUIPMENT REQUIRED FOR INSTALLATION.
EPDM HAS MORE THAN 50 YEARS OF PROVEN PERFORMANCE.
INSTALLATION AS PER THE MANUFACTURERS SPECIFICATION
LAY ON CELOTEX XR4000 INSULATION 140 mm THICK.
LAY 1000g POLYTHENE VAPOUR CONTROL BARRIER ON 20mm PLYWOOD DECK. LAID TO FALLS 1:60 ON FIRRINGS.
ON 125*50 (C24) FLAT ROOF JOISTS AT 400mm CTRS.
FIXED TO WALL PLTS WITH 'BAT' FRAMING ANCHORS OR SIMILAR APPROVED.
FLAT ROOF JOISTS TO BE FIXED TO 50*100 WALL PLTS WHICH SHOULD BE FIXED BY GALVANISED MILD STEEL STRAPS TO INNERLEAF.
FINISH WITH 12.5mm PLASTERBOARD & A COAT OF PLASTER.
TO GIVE A 'U' VALUE NOT TO EXCEED 0.15 W/M²K.

100mm CAVITY WALL (RENDERED)

CAVITY WALL WITH TIES TO BS 1243
BUILT IN AT 750mm HORIZ. & 450mm VERT. STAGGERED.
AT OPENINGS & CORNERS 300mm VERT.
ALL CAVITIES ARE TO BE MAINTAINED. THE LEAN-MIX CONCRETE CAVITY FILL AT BASE, NOT TO BE WITHIN 225mm OF DPC.
BUILT IN THERMALITE 100mm 3.6 N/mm² BLOCK OUTER SKIN & RENDERED 100mm CAVITY WITH ROCKWOOL INSULATION FULL CAVITY FILL AND 100 mm THERMALITE 3.6 N/mm² BLOCK INNER SKIN IN MORTAR DESIGNATION III POINTED AS WORK PROCEEDS TO GIVE A 'U' VALUE NOT EXCEEDING 0.18 W/M²K.
CLOSE TOP OF ALL NEW CAVITY WALLS WITH NON-COMBUSTIBLE MATERIAL.
CONTINUOUS RUNS OF BRICKWORK IN BUILDINGS REQUIRE MOVEMENT JOINTS AT 10/12 METRES. THE JOINT WIDTH IN (mm) SHOULD BE AT LEAST EQUAL TO THE JOINT SPACING IN (m)
PROVIDE 'THERMABATE' OR SIMILAR INSULATED CAVITY CLOSURES AROUND ALL OPENINGS FOR DOORS AND WINDOWS.
DPC TO BE 'VISQUEEN' BRICKGRIP TO BS 6515 OR SIMILAR APPROVED & BE A MINIMUM OF 150mm ABOVE GROUND LEVEL.
DPC ALSO TO ALL VERT. & HORIZ. OPENINGS.
'CATNIC' OR SIMILAR APPROVED GALVANIZED STEEL LINTELS OVER NEW OPENINGS, SELECTED FROM MANUFACTURERS LOAD/SPAN TABLES WITH MINIMUM END BEARINGS OF 150 mm, INSULATED TO AVOID COLD BRIDGING.
LATERAL RESTRAINTS TO BRICKWORK TO BE PROVIDED BY GALVANIZED MILD STEEL STRAPS, FIXED ACROSS JOISTS AT CEILING LEVEL AT 1200 mm CENTRES. SIMILAR RESTRAINTS TO BE PROVIDED AT ROOF VERGE AT 2000 mm CENTRES.

FOUNDATIONS

THE CONTRACTOR SHOULD ASCERTAIN GROUND CONDITIONS IN CONJUNCTION WITH THE BUILDING INSPECTOR BEFORE WORK COMMENCES, BY DIGGING TEST HOLES
CONCRETE DEEP STRIP FOUNDATIONS 600 x 250 (1:3:6 MIX) UNDER ALL CAVITY WALLS, INTERNAL LOAD BEARING PARTITIONS AND NON-LOADBEARING MASONRY PARTITIONS.
DEPTH TO BE A MINIMUM OF 1000mm BELOW GROUND LEVEL OR TO SUIT GROUND CONDITIONS & BE AGREED BY THE LOCAL AUTHORITY
TRENCHES ARE TO BE BACKFILLED INTERNALLY WITH CONCRETE TO AVOID SETTLEMENT OCCURRING AROUND PERIMETER OF G/FLOOR SLAB.
"CELCON" FOUNDATION BLOCKS BELOW DPC LEVEL

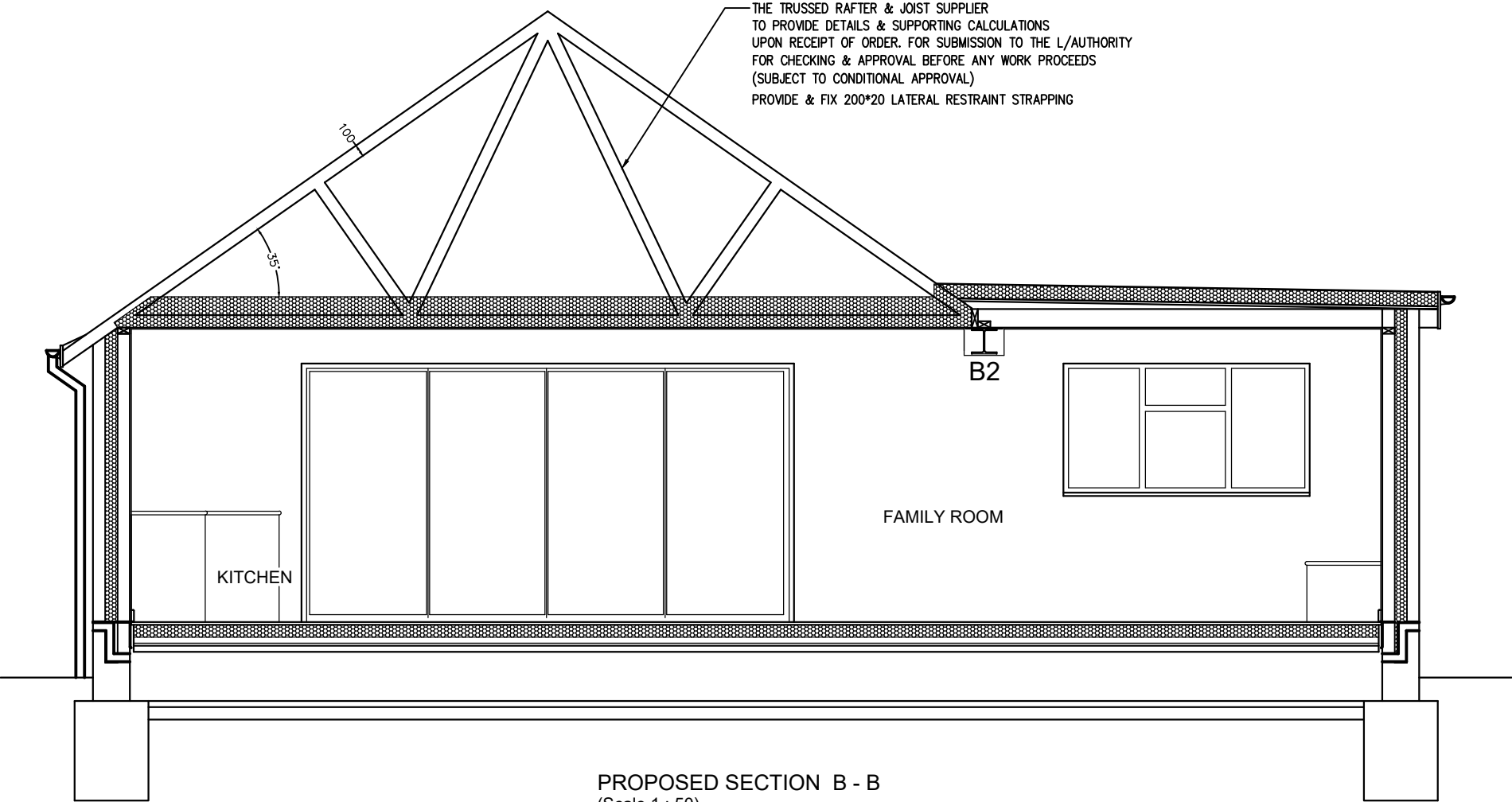
FOUNDATIONS TO EXISTING WALLS TAKING ADDITIONAL LOADS ARE TO BE EXPOSED AND UNDERPINNED IF DEEMED NECESSARY BY THE LOCAL AUTHORITY BUILDING CONTROL INSPECTOR

PRECAUTIONS TO BE TAKEN WHEN DRAINS ARE LAID CLOSE TO THE BUILDING (REFER TO BUILDING REGS.)

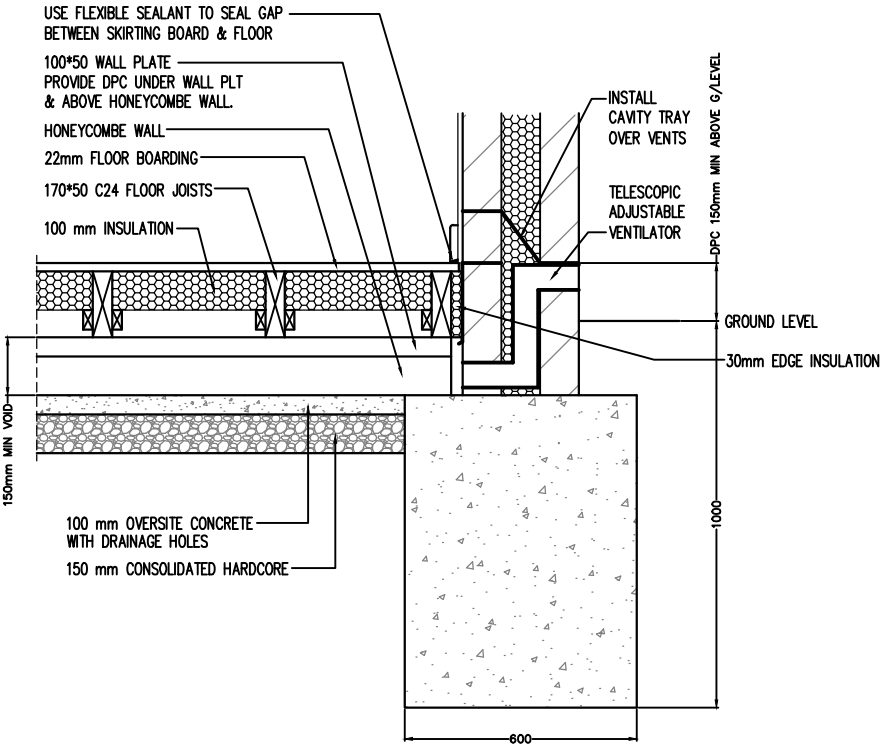
SUSPENDED GROUND FLOOR

EXCAVATE TOP SOIL & REMOVE ALL VEGETATION
LAY HARDCORE (MIN 100mm CONSOLIDATED THICK LAYER) BLINDED WITH 25mm SHARP SAND.
COVER WITH 50mm OVERSITE CONCRETE
HONEYCOMB SLEEPER WALLS FROM ENGINEERING BRICKS POSITION AS SHOWN ON DRAWINGS
100*50 WALL PLT. BEDDED IN MORTAR TO HONEYCOMB WALLS
PROVIDE DPC BETWEEN WALL PLT. & HONEYCOMBE WALL.
50*170 (C24) FLOOR JOISTS AT 400mm CTRS
INSTALL JOIST SADDLE CLIPS (MAX 1000mm CTRS)
INSERT 100mm THK. 'CELOTEX' GA4000 INSULATION BOARDS TO GIVE A U VALUE NOT EXCEEDING 0.18 W/M²K
INSULATE GAPS BETWEEN JOISTS & WALLS TO PREVENT HEAT BRIDGING
LAY 22mm T & G FLOORING GRADE CHIPBOARD (MOISTURE RESISTANT IN BATHROOMS, WC's AND OTHER WET AREAS)
VENTILATE SPACE UNDER FLOOR VIA AIR BRICKS, PROVIDING A MINIMUM OF 3000mm² PER METRE RUN

NOTE UNDERSIDE OF FLOOR JOISTS TO CONCRETE 150mm MINIMUM
UNDERSIDE OF WALL PLT. TO CONCRETE 75mm MINIMUM



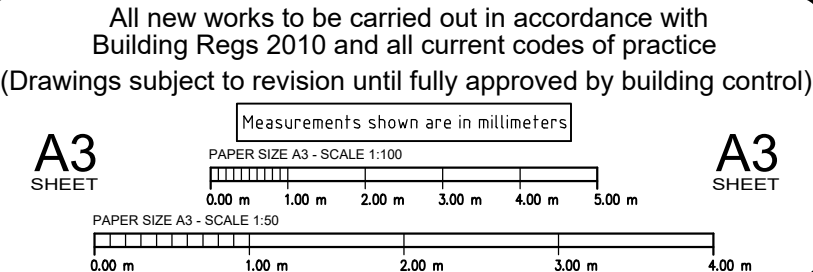
PROPOSED SECTION B - B
(Scale 1 : 50)



TIMBER SUSPENDED GROUND FLOOR
(Scale 1 : 20)

Rev Date Description

This drawing is intended for Planning & Building Regulation applications only & is not a detailed working drawing.
Building works not to commence until the necessary Planning & Building control approvals have been granted.
Contractors, subcontractors & suppliers are to check all relevant dimensions, site & building levels before commencing any shop drawings, fabrications, or building works.
Any discrepancies found in dimensions or levels to be reported to MARTECH Ltd thus enabling further checks to be carried out.
Methods of construction & materials used are the responsibility of the building contractor assigned to the project.



Drawing Title		Client	
PROPOSED SECTION B - B		Mr & Mrs M Holebrook	
Home Address		Site Address	
36 Nichol Road		36 Nichol Road	
Chandlers Ford		Chandlers Ford	
Eastleigh		Eastleigh	
Hants SO53 5AS		Hants SO53 5AS	
Scale	As Shown	Date	May 2023
Project Number	2223-109	Drawing Number	09
		Rev	0

MARTECH

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