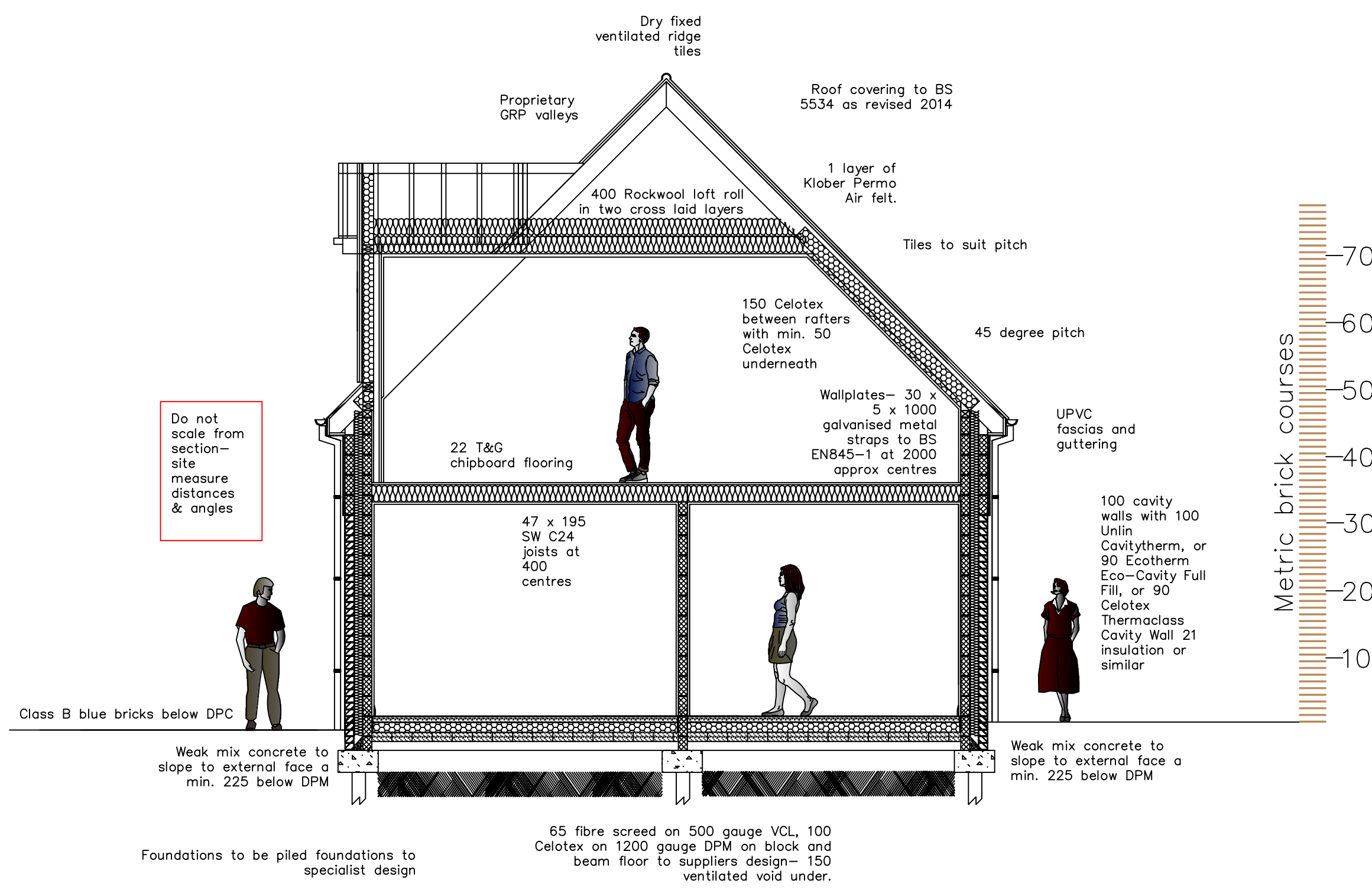
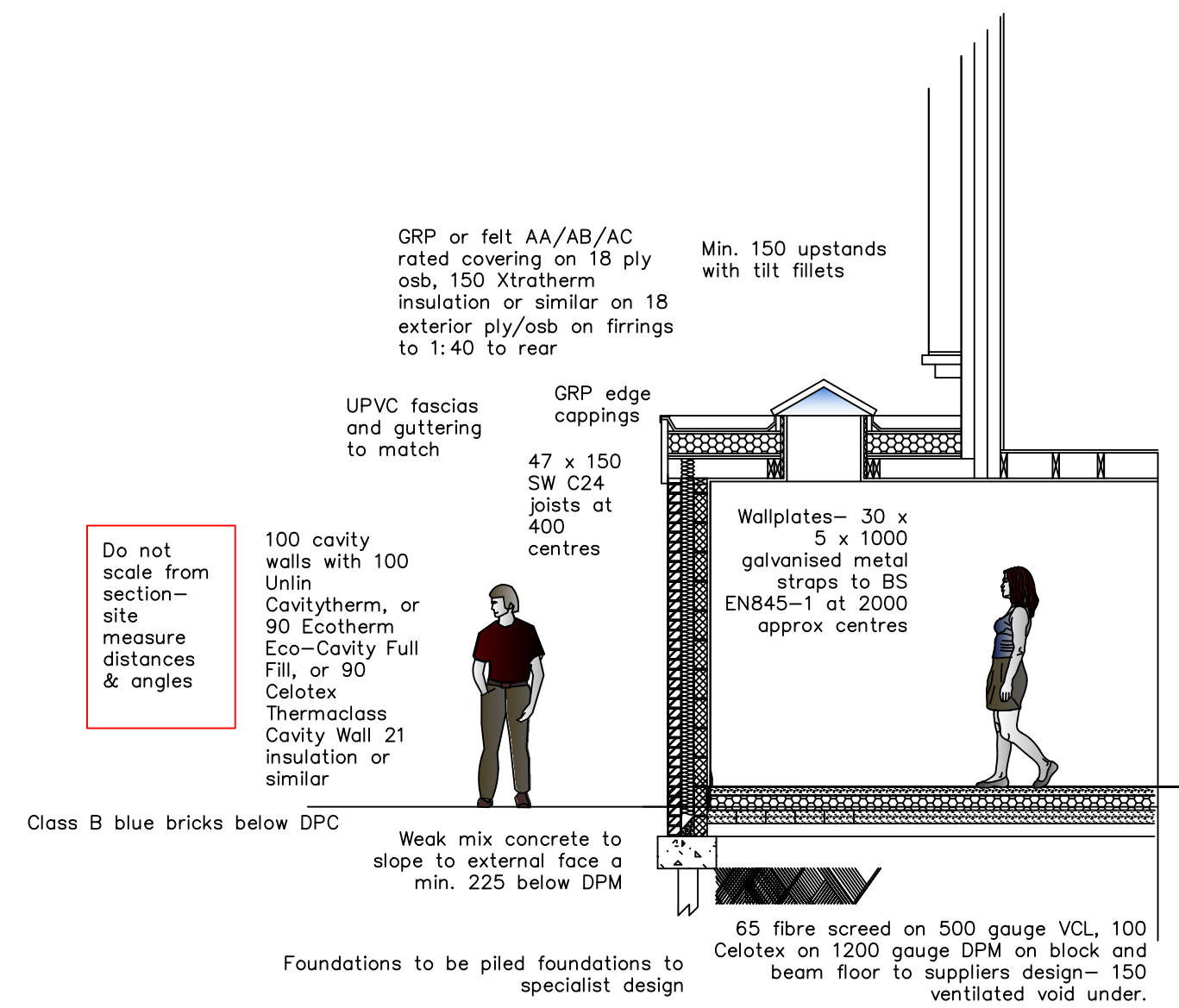




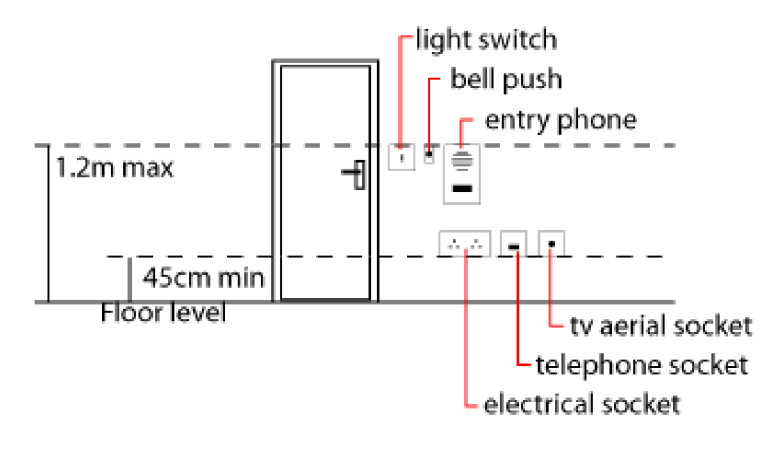
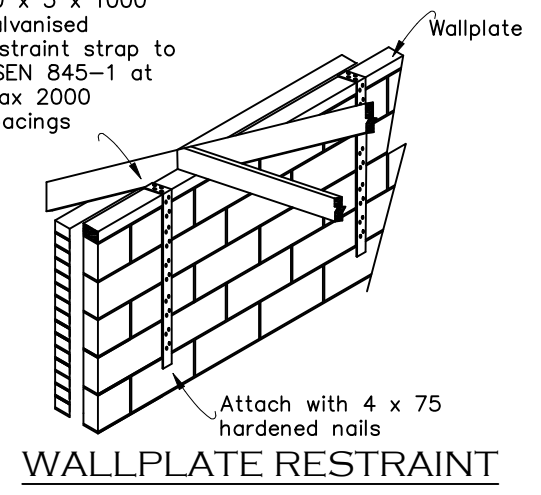
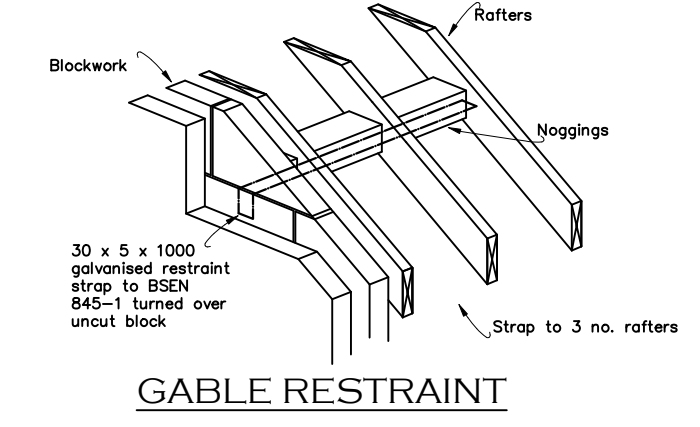
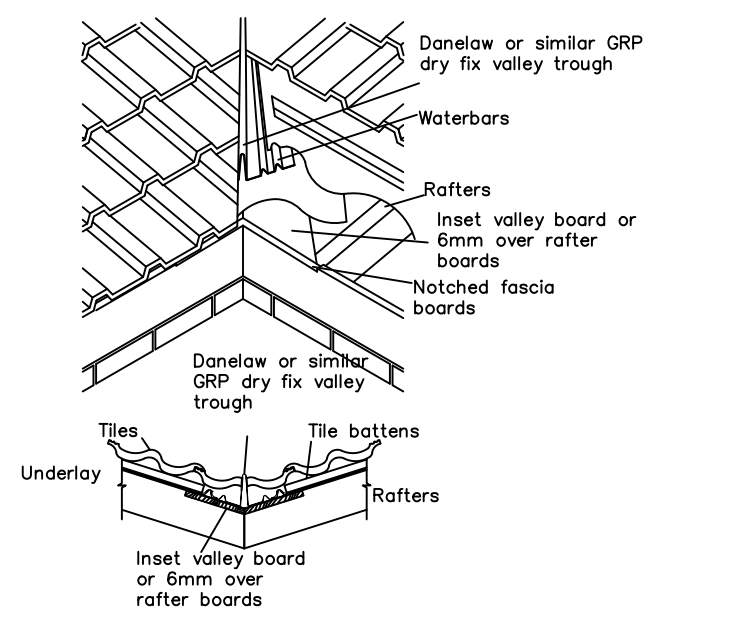
SECTION A - A

1:50



SECTION B - B

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FOUNDATIONS
PILED FOUNDATIONS TO SPECIALIST DESIGN.
CONCRETE TO BE GEN 1, ST2 (BS 5328 PT2).

EXTERNAL WALLS (U-VALUE <0.18 W/M²K)
102.5 FACING BRICK OUTER LEAF TO MATCH EXISTING IN AREA WITH BLUE BRICK DPC BELOW. 100 CAVITY WITH 100 KNAUF DRITHERM 32 OR SIMILAR SLAB INSULATION. 100 TOPBLOCK TOPLITE STANDARD BLOCKS OR SIMILAR TO INTERNAL LEAF DRYLINED WITH 12.5 'GYPROC' PLASTERBOARD ON DABS WITH TAPED JOINTS AND SKIM COAT. STAINLESS STEEL WALL TIES TO BS EN 845-1 (TABLE 5 AD A) @ 750 HORIZONTAL AND 450 MAX VERTICAL CENTRES STAGGERED AND EVERY 300 WITHIN 225 OF OPENINGS. FILL CAVITY TO 225 BELOW DPC WITH WEAK CONCRETE MIX AND SLOPE TO EXTERNAL FACE. POLYMER DPC TO BS 743 MINIMUM 150 ABOVE GROUND LEVEL WITH BLUE BRICKS BOLTAR TO EXTERNAL LEAF. PROPRIETARY INSULATED CAVITY CLOSERS TO SOFFITS, REVEALS AND CILLS. MORTAR TO BE 1:3 BELOW DPC AND 1:4 MIX ABOVE. CAVITY TRAYS ABOVE LOWER ROOF.

LINTELS
INSULATED CAVITY WALL LINTELS, 'IG L1/S 75' OR 'CATNIC OPEN BACK' OR SIMILAR WITH MINIMUM 150 END BEARINGS. ALL SIZED TO SUIT LENGTH AND MANUFACTURERS DETAILS. FIT CAVITY TRAYS WITH STOPS ENDS AND 65 x 10 WEEPS HOLES ABOVE TO EVERY 3RD APPROX JOINT OR USE LINTELS WITH INTEGRAL DPC. ENCASE IN LAYER PLASTERBOARD AND SKIM.

GROUND FLOOR (U-VALUE <0.15 W/M²K P/A = 0.44)
TOPSOIL AND VEGETABLE MATTER TO BE CLEARED FROM SITE.
65 MIN FIBRE SCREED ON 500 GAUGE VAPOUR CONTROL LAYER ON 100 CELOTEX TURNED UP AT PERIMETER WITH 25 CELOTEX UPSTANDS. 1200 GAUGE DPM BELOW BLOCK AND BEAM FLOOR TO SUPPLIERS DESIGN. TELESCOPIC VENTS AT 2000 CENTRES TO 150 MIN VENTILATED VOID. DPM TO JOIN DPC.

INTERNAL WALLS
100 BLOCKWORK OR STUDWORK WALLS AS SHOWN. 12.5 PLASTERBOARD ON DABS AND SKIM COAT TO EITHER SIDE.
PARTITIONS TO CONSIST OF 50 x 100 SW STUDS INCLUDING FOOT AND HEADER PLATES WITH NOGGINS, WITH 100 THICK MINERAL FIBRE INSULATION (10KG/M³) WITHIN. 12 PLYWOOD LINING TO WHERE REQUIRED, AND 12.5 PLASTERBOARD AND SKIM COAT TO EITHER SIDE.

TIMBER
TO BE GRADE C24 UNLESS OTHERWISE STATED, STRESS GRADED TO BS4978 AND SAWN TO BS4471. MOISTURE CONTENT TO NOT EXCEED 22%.

MAIN ROOF (U-VALUE <0.15 M²K)
TILES TO SUIT, LAID AS PER MANUFACTURERS INSTRUCTIONS AND TO SUIT PITCH. ALL ON 50 x 24 TANILISED SW BATTENS ON BREATHABLE FELT 'KLOBER PERMO AIR' LAID AS PER MANUFACTURERS INSTRUCTIONS INCLUDING EAVES CARRIERS & 10:15 DRAPE. USE SPECIALIST (SUCH AS MTE LEICESTER LTD) MANUFACTURED TRUSSES IN ACCORDANCE WITH BS5286 PT 283:1985 INCLUDING DIAGONAL BRACING ETC @ 600 CENTRES TRUSS CLIPPED TO 75 x 100 SW WALL PLATES FIXED TO WALL WITH 1200 x 38 x 5 STEEL STRAPS @ MAX 2000 CENTRES. DETAILS AND CALCULATIONS TO BE SUPPLIED TO BUILDING CONTROL PRIOR TO COMMENCEMENT ON ROOF. INSULATE WITH 400 ROCKWOOL OR KNAUF EARTHWOOL LOFT ROLL 200 BETWEEN CEILING JOISTS AND A FURTHER 200 CROSS LAID ABOVE, WALL AND ROOF INSULATION TO BE CONTINUOUS.
12.5 FOIL BACKED DUPLEX PLASTERBOARD AND SKIM. MOISTURE RESISTANT PLASTERBOARD TO ALL WET AREAS.

LEADWORK
ANY FLASHING TO BE CODE 4 LEAD FLASHING WITH MINIMUM 150 LAP TO ROOF AND 75 UP WALL TO LSA DETAILING.

INTERNAL DOORS
DOORS AS MARKED. 10 GAP UNDERNEATH TO FLOOR COVERING.

WINDOWS AND DOORS (U-VALUE <1.4 W/M²K)
UPVC DOUBLE GLAZED UNITS. ARGON FILLED GAP BETWEEN GLASS AND A SOFT 'E' 'PILKINGTON K' COATING TO INNER PANE. TESTED TO BS 6713. TOTAL OPENING LIGHTS TO BE A MINIMUM OF 1/20TH OF ROOM FLOOR AREA FOR HABITABLE AREAS. TRICKLE VENTS TO ALL WINDOWS AND DOORS A MINIMUM OF 1700 OFF FLOOR. VENTILATION TO BE 5000MM² FOR HABITABLE ROOMS. BEDROOM TO HAVE MEANS OF ESCAPE WINDOW WITH CLEAR OPENINGS NOT LESS THAN 1/3RD OF M² AND NO DIMENSION LESS THAN 450. 800 - 1100 OFF FLOOR LEVEL. EXACT SIZES TO BE MEASURED ON SITE. SET BACK 30 OVERLAP TO CAVITY. TOUGHENED GLASS TO BS6206 TO ALL DOORS AND GLAZING TO SIDE WITHIN 300. LEVEL THRESHOLD TO FRONT DOOR TO DETR ACCESSIBLE THRESHOLD GUIDANCE. HARD SURFACING DRIVEWAY WITH MIN 1:12 SLOPE UP TO DOOR AS SHOWN WITH 900 x 1200 LANDING IN FRONT OF DOOR. MIN 775 CLEAR OPENING TO FRONT DOOR.

BELOW GROUND DRAINS
DRAINAGE TO BS 8301. CONTRACTOR TO ASCERTAIN ALL LEVEL, INVERTS AND DIRECTIONS BEFORE WORK COMMENCES ON DRAINS. 100 DIA UPVC DRAIN PIPES TO BS 4660 (1:40 FALL) WITH FLEXIBLE JOINTS SURROUNDED BY 100 PEA GRAVEL. IF WITHIN 300 OF SLAB THEN ENCASE IN CONCRETE WITH EXPANSION JOINTS. WHERE PASSING THROUGH WALL RC LINTEL OVER AND LEAVE 50 GAP FILLED WITH FLEXIBLE NON DECAYING FILLER, OR USE ROCKER PIPES. ALL TRAPPED GULLIES TO BE RODDABLE, MOUNTED ON 100 CONCRETE. ENSURE ALL DIRECTIONS ARE RODDABLE. PROPRIETRY 450 DIA. INSPECTION CHAMBERS.

RAINWATER DRAINS
CONTRACTOR TO ASCERTAIN ALL LEVEL, INVERTS AND DIRECTIONS BEFORE WORK COMMENCES ON DRAINS. 100 GUTTER TO 63 DOWNPIPE INTO RODDABLE TRAPPED GULLY. BRACKETS AT 1500 MAX VERTICAL CENTRES AND 1000 MAX HORIZONTAL CENTRES.
RAINWATER TO DISCHARGE INTO SOAKAWAY DESIGNED TO BRE DIGEST 365:1991 AND A MINIMUM OF 5000 FROM ANY BUILDING OR ROAD. OR EXISTING DRAINAGE SYSTEM WITH PRIOR AGREEMENT ON SITE WITH THE BUILDING INSPECTOR. SOAKAWAY TO BE PROPRIETRY SYSTEM SUCH AS OSMA WAVIN (01249 766600). SW MINIMUM FALL 1:80. ENSURE ALL DIRECTIONS ARE RODDABLE.

PLUMBING
PROVIDE HOT AND COLD WET SYSTEM TO ALL FITTINGS.
ALL WORK TO BS 5572. SINKS TO 3000 MAX DIA PIPE. 4000 FOR 50 DIA PIPE. WASHBASIN - MAX 1700 FOR 32 DIA PIPE - 3000 FOR 40 DIA PIPE. SLOPE BETWEEN 18 TO 90MM/M. 75 DEEP SEAL TRAPS. UPVC PIPES TO BS EN 1329. SVP TO SIDE TO TERMINATE TO AIR A MIN OF 900 ABOVE ANY WINDOW OPENING WITHIN 3000, HW TAPS TO BE ON LEFT. RESTRICTOR TO HW TAPS TO BATHS TO LIMIT TEMPERATURE TO A MAXIMUM OF 48 DEGREE C..

HEATING
AIR SOURCE HEAT PUMP HEATING, INSTALLED BY REGISTERED ENGINEER, FULLY PROGRAMMABLE CONTROL. PIPEWORK INSULATED AS REQUIRED TO BS5422:2001. TRV'S TO ALL RADIATORS. ALLOW FOR ONE RADIATOR EACH TO THE NEW ROOMS. AS PER CLIENTS SPECIFICATION AND AGREEMENT.

VENTILATION
MECHANICAL EXTRACT FAN TO BATHROOMS NOT LESS THAN 15L/S OPERATED VIA LIGHT PULL SWITCH. EXTRACT TO KITCHENS NOT LESS THAN 30L/S IF IN COOKER HOOD OR 60L/S ELSEWHERE. EXTRACT TO W.C AT 6 L/S. 10 AIR GAP UNDER DOORS. TEST CERTIFICATE TO BE PROVIDED ON COMPLETION.

CONTINUITY OF INSULATION & AIRTIGHTNESS
BUILDING FABRIC CONSTRUCTED IN LINE WITH TSO ROBUST DETAILS CATALOGUE 'LIMITING THERMAL BRIDGING AND AIR LEAKAGE: ROBUST CONSTRUCTION DETAILS FOR DWELLINGS AND SIMILAR BUILDINGS 2002'. AIR TIGHTNESS TEST BY APPROVED BODY TO BE CARRIED OUT UPON COMPLETION TO CONFIRM AIR LEAKAGE TO BE NO WORSE THAN DESIGN STANDARD USED FOR DER. IN ANY CASE TO BE NO WORSE THAN 5M3/(H.M2) AT 50PA.

SAP / EMISSIONS RATINGS
A DWELLING EMISSIONS RATE (DER) PROVIDED BY ACCREDITED ASSESSOR, PRIOR TO COMMENCEMENT, TO CONFIRM THE EMISSIONS RATE TO BE NO WORSE THAN A TARGET EMISSIONS RATE (TER) FOR THE BUILDING. ANY CHANGES TO DESIGN OR SPECIFICATION WILL ENTAIL RECALCULATION. A DISPLAY SAP ENERGY RATING (EPC) TO BE PREPARED AND DISPLAYED IN A CONSPICUOUS POSITION.

WATER USE
WATER USAGE CALCULATION TO BE PROVIDED ON COMPLETION. LESS THAN 125LTRS/PERSON/DAY.

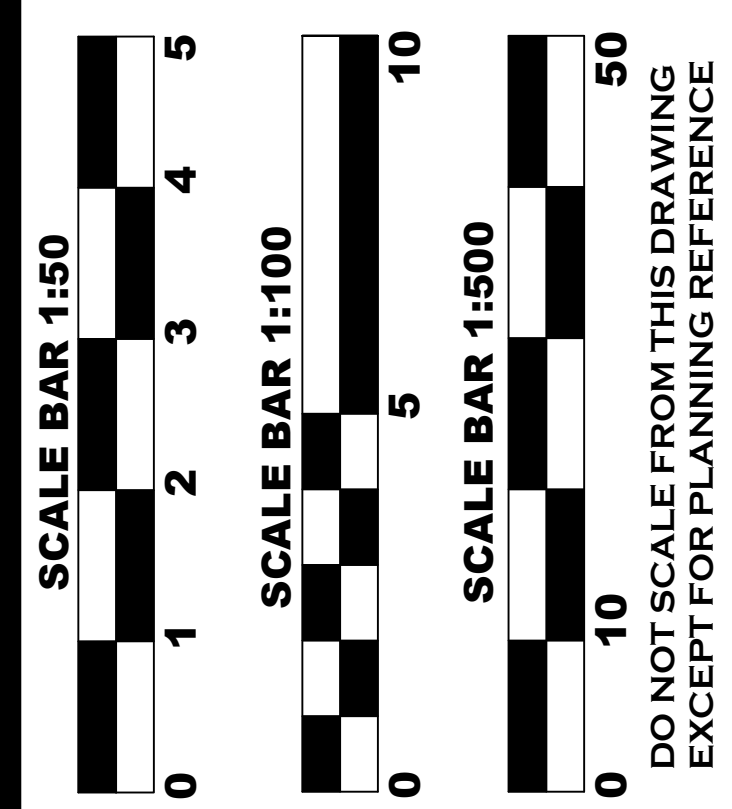
ELECTRICS
PROVIDE POWER AND LIGHT SYSTEM. CLIENT TO SUPPLY SPEC. ALLOW FOR ALL FITTINGS TO TAKE ENERGY SAVING LIGHT LAMPS GREATER THAN 40 LUMENS PER CIRCUIT WATT (TABLE 4 AD L1). ALL TO CURRENT I.E.E & N.I.C.E.I.C REGULATIONS. ALL ELECTRICAL WORK REQUIRED TO MEET THE REQUIREMENTS OF PART P (ELECTRICAL SAFETY) MUST BE DESIGNED, INSTALLED, INSPECTED AND TESTED BY A PERSON COMPETENT TO DO SO. PRIOR TO COMPLETION THE COUNCIL SHOULD BE SATISFIED THAT PART P HAS BEEN COMPLIED WITH. THIS MAY REQUIRE AN APPROPRIATE BS7671 ELECTRICAL INSTALLATION CERTIFICATE TO BE ISSUED FOR THE WORK BY A PERSON COMPETENT TO DO SO. ALLOW FOR THE NO. SOCKETS AS AGREED WITH CLIENT. DOORBELL SWITCHES, SOCKETS, TV SOCKETS, TELEPHONE ETC TO BE WITHIN AREA 450 TO 1200 OFF FLOOR. ELECTRICS TO CLIENTS SPECIFICATION. INSTALL SMOKE ALARMS, MAINS WIRED WITH BATTERY BACK UP & INTERLINKED TO BS 5446 PT 1. CONSUMER UNIT TO BE MOUNTED SO THAT THE SWITCHES ARE BETWEEN 1350 AND 1450 ABOVE FLOOR LEVEL.

FIRE DETECTION / ALARM
INSTALL SMOKE ALARMS, MAINS WIRED WITH BATTERY BACK UP & INTERLINKED TO BS 5446 PT 1:2000 AND POSITIONED IN ACCORDANCE WITH BS5839-6:2004. WITHIN 7500 OF EVERY HABITABLE ROOM AND 300 FROM ANY LIGHT FITTING AND WALL.

INFORMATION
ALL OPERATION AND MAINTENANCE INFORMATION TO BE PROVIDED FOR THE FIXED BUILDING SERVICES TO THE OWNER.

WOODWORK
SKIRTINGS, ARCHITRAVES, DOORS, SOFFITS ETC TO CLIENTS SATISFACTION.

GENERAL NOTES.
NO DIMENSIONS TO BE TAKEN FROM THIS DRAWING. ALL DIMENSIONS STATED ARE METRIC MILLIMETRES. ALL LEVELS, INVERTS AND DIMENSIONS TO BE CHECKED ON SITE BEFORE AND DURING WORK.
ALL WORK IS TO BE CARRIED OUT IN LINE WITH CURRENT BUILDING REGULATIONS, RELEVANT CODES OF PRACTICE, BRITISH & EUROPEAN STANDARDS AND MANUFACTURERS SPECIFICATIONS TO THE BUILDING INSPECTORS SATISFACTION, AND IN ACCORDANCE WITH PUBLIC AND PRIVATE UTILITIES REGULATIONS. NO WORK TO ENCROACH BOUNDARY LINES. IT IS THE CLIENTS RESPONSIBILITY TO ISSUE ANY 'PARTY WALL ACT 1996' NOTICE NECESSARY BEFORE ANY WORK COMMENCES ON THE BOUNDARY.
IT IS THE CLIENTS RESPONSIBILITY TO ENSURE ANY WORK SHOWN ON THIS PLAN DOES NOT CONTRAVENE ANY COVENANTS.
IT IS THE CLIENTS/ BUILDERS RESPONSIBILITY TO CHECK THE EXACT POSITION OF ALL SERVICES TO INCLUDE GAS, ELECTRICITY, WATER AND TELEPHONE, AND POSITION, OWNERSHIP AND DEPTHS OF FOUL AND RAINWATER DRAINAGE.
THE EXACT SPECIFICATION OF FINISHES, FITTINGS AND SERVICES TO BE INSTRUCTED BY THE CLIENT.
ANY DEVIATION FROM THESE PLANS SHOULD BE NOTIFIED TO THE BUILDING INSPECTOR AND AMLI DESIGN.
IT IS THE OWNERS/ CONTRACTORS RESPONSIBILITY TO NOTIFY THE BUILDING INSPECTOR WHEN THE WORK IS READY FOR THE RELEVANT INSPECTIONS AND FOR THE CLIENTS RECEIPT OF THE COMPLETION CERTIFICATE. IT IS ASSUMED NO PUBLIC SEWERS CROSS THE SITE.
THE CONTRACTOR IS ASSUMED TO HAVE VISITED SITE BEFORE TENDERING AND CHECKED DRAINAGE INVERTS AND DIRECTIONS. THIS DRAWING HAS BEEN PREPARED FOR LA PLANNING & BUILDING CONTROL CONSENT ONLY. USE IMPLIES THE CLIENT AGREES TO ALL TERMS AND CONDITIONS. UNTIL APPROVALS HAVE BEEN OBTAINED THESE DRAWINGS REMAIN PRELIMINARY. WORK SHOULD NOT COMMENCE OR MATERIALS ORDERED UNTIL APPROVAL IS OBTAINED. AMLI DESIGN DOES NOT ACT AS THE PROJECT MANAGER. IT IS THE OWNERS/ PROJECT MANAGERS RESPONSIBILITY TO ENSURE ALL APPROVALS INCLUDING PLANNING CONDITIONS ARE APPROVED BEFORE COMMENCING. COPYRIGHT REMAINS WITH AMLI DESIGN.



PROJECT NAME
NEW DWELLING
229 LEICESTER ROAD
MARKFIELD
LEICESTERSHIRE
FOR MR & MRS GREENWOOD

SCALE
1:100/1:50
DWG NO.
229/2024
REV
5/5

DATE
FEB 2025
DRAWN
DRI
CHKD
MR/S G
02/25

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