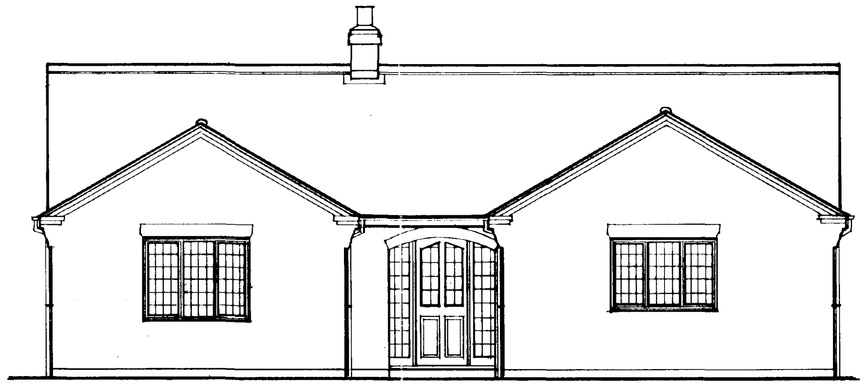
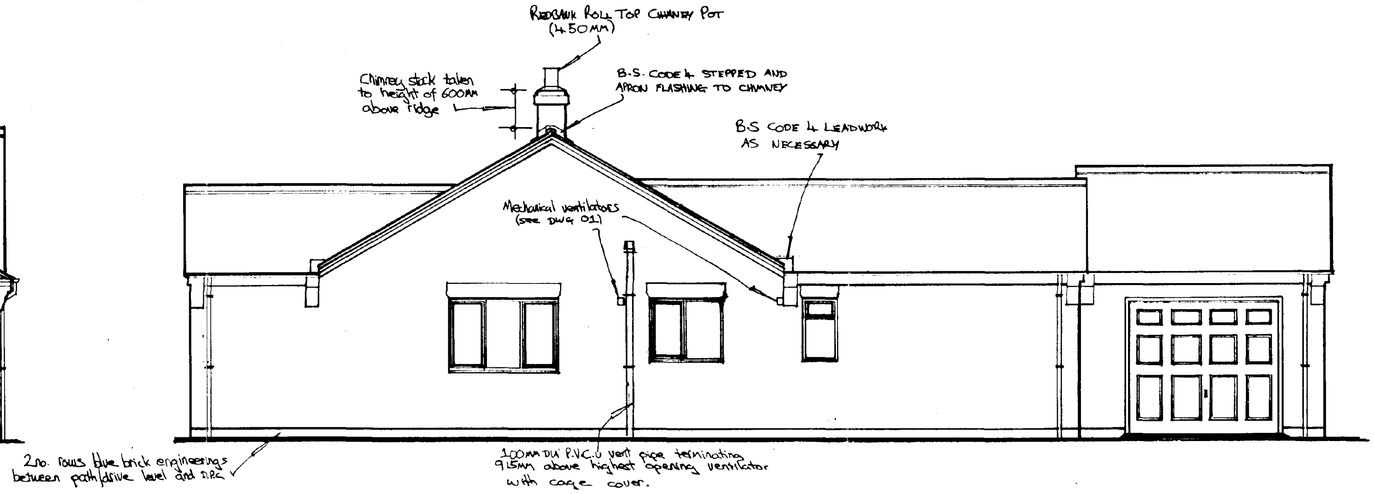
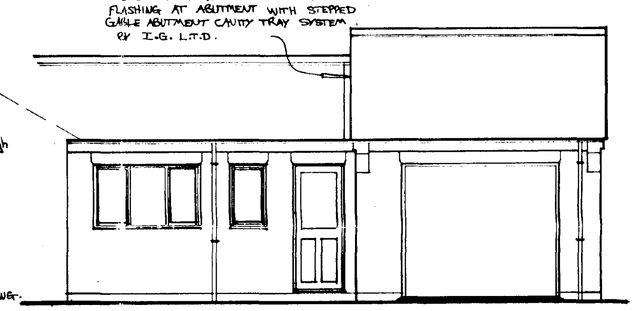
PROPOSED BUNGALOW FOR Mr & Mrs K. BRIGHT AT
PLOT OFF MILESTONE LANE PINCHBECK.
Date Jan 96 Dwg 02.







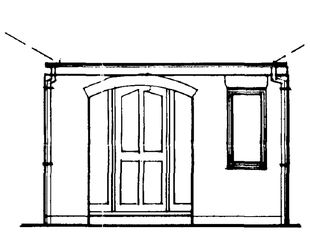
SOUTH EAST ELEVATIONS. – 1:50.

ext' walls: MULTI RED FACING BRICKS TO ALL ELEVATIONS WITH BLUE BRICK ENGINEERING BRICKS BETWEEN PATHS + D.P.C.

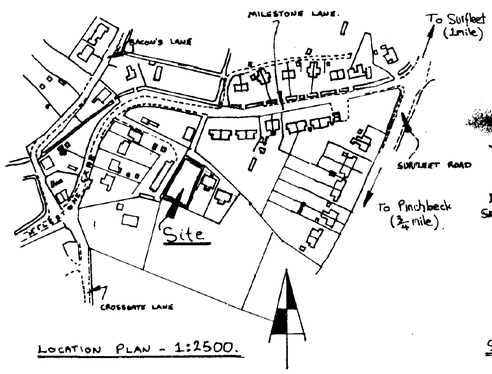
roof tiles: DARK GREY SMOOTH MARLEY MENDIP CONC' INT' TILES.

ext frames: BOULTON + PAUL S/WOOD WITH MAHOGANY STAINED FINISH, AND SQUARE LEADED LIGHTS TO ALL GLAZING.

eaves/barges: MAHOGANY STAINED S/WOOD SOFFITS/FACIAS WITH BROWN P.V.C HALF ROUND GUTTERS. GABLE BARGES/VERGES TO HAVE 2no. ROWS OVERSAILING BRK AS INDICATED WITH CORBELLING AS NECESSARY TO MEET EAVES.



NORTH EAST ELEVATIONS - 1:50.



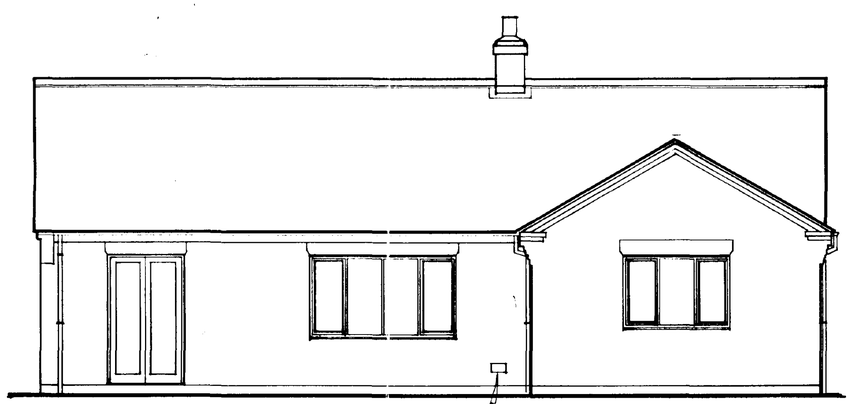
LOCATION PLAN - 1:2500.

Note
BUNGALOW TO BE SITED 3·0M MIN' FROM L.C.C. SURFACE WATER DRAIN.

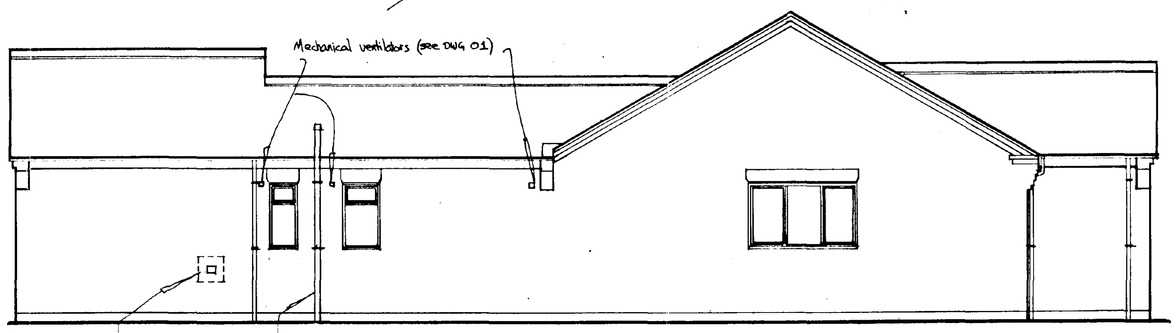
SITE PLAN - 1:500.

NOTE: THE EXISTING SITE IS AT PRESENT USED AS A SMALLHOLDING WITH 306M² AS GREENHOUSES AND 85M² SHEDS ALL OF WHICH ARE TO BE REMOVED. THE PROPOSED FRONT BOUNDARY OF PLOT IS TO BE SITUATED IN ORDER TO GIVE 5·5M WIDTH TO EXISTING PRIVATE ROAD AS INDICATED.

SOUTH HOLLAND HOUSING
11 APR 1996
Ref: 0318/96



SOUTH WEST ELEVATION - 1:50



NORTH WEST ELEVATION - 1:50.

PROPOSED BUNGALOW FOR Mr & Mrs K. BRIGHT AT PLOT OFF MILESTONE LANE PINCHBECK.

Date - Jan 96. Dwg 01

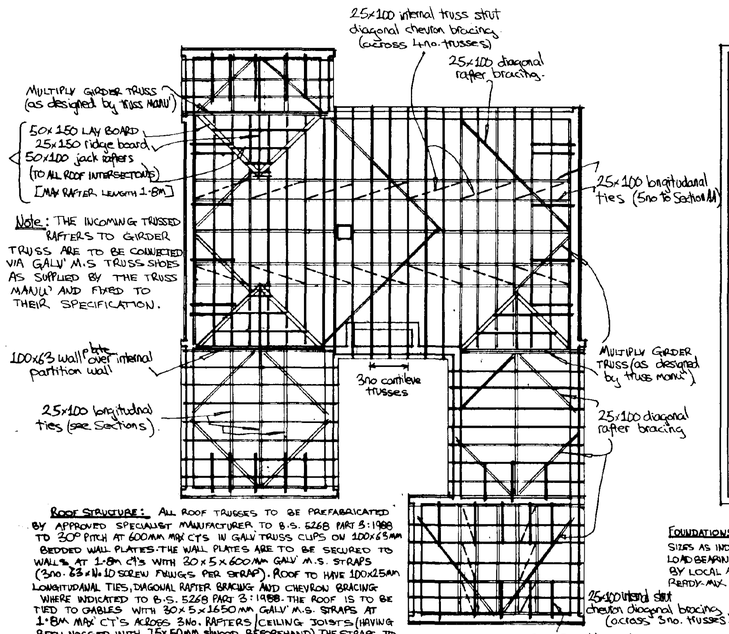
LABELLED DIMENSIONS TAKE PREFERENCE AT ALL TIMES.
ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

Additional notes.

IN ADDITION TO LOCAL AUTHORITY ALL WORK IS TO INSPECTED BY INDEPENDENT ARCHITECT FOR BUILDING SOCIETY PURPOSES (MELDRUM LEE GILLIAT OF BOSTON).

HEATING | ELECTRICAL. THE BUNGALOW IS TO HAVE FULL CENTRAL HEATING DESIGNED | INSTALLED BY FULLY QUALIFIED ENGINEER - OIL FIRED 70'000 b.t.u. THERMOCON BOILER WITH A BALANCED FLUE. ALL RADIATORS TO HAVE THERMOSTATIC RADIATOR VALVES. HOT WATER CYLINDER (1500 x 450) TO BE FULLY INSULATED + FITTED WITH 3kW IMMERSION H'T'R. ALL HEATING PIPES + DOMESTIC HOT WATER PIPES TO BE FULLY INSULATED. ALL PIPEWORK AND STORAGE TANKS ETC WITHIN ROOFSPACE TO BE FULLY INSULATED.
ALL WIRING TO BE INSTALLED TO PREVAILING I.E.E. REG'S AND TO FULL SATISFACTION OF E.M.E.B. THE ELECTRICIAN IS TO WIRE FOR SELF-CONTAINED SMOKE ALARMS (S/D ON DRAWING). WHICH ARE TO BE WIRED ON THEIR OWN CIRCUIT.

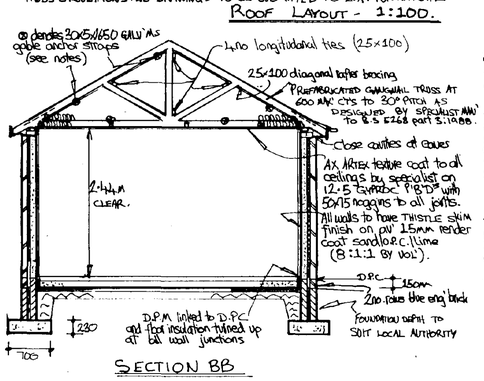
THE ELECTRICIAN IS ALSO TO WIRE FOR MECHANICAL VENTILATION AS INDICATED.
LOUNGE FIRE: INSTALL 760MM WIDE LIVING FLAME EFFECT GAS FIRE UNIT BY VALOR, STRICTLY IN ACCORDANCE WITH MANU' INSTRUCTIONS - FIRE TO HAVE L.P.G (LIQUID PETROLEUM GAS) BOTTLED FUEL. THE FIRE-GRATE, HEARTH + SURROUND TO BE 'ADAMS' TYPE FITTED TO MANU' SPEC). THE HEAT OUTPUT OF FIRE IS NOT TO BE TAKEN INTO CONSIDERATION WHEN CALCULATING RADIATOR SIZES.



Note: THE INCOMING TRUSSED RAFTERS TO GIRDER TRUSS ARE TO BE CONNECTED VIA GALV' M.S TRUSS SHOES AS SUPPLIED BY THE TRUSS MANU' AND FIXED TO THEIR SPECIFICATION.

ROOF STRUCTURE: ALL ROOF TRUSSES TO BE PREFABRICATED BY APPROVED SPECIALIST MANUFACTURER TO B.S. 5268 PART 3:1988 TO 30° PITCH AT 600MM MAX CTS IN GALV TRUSS CLIPS ON 100x75MM BEDDED WALL PLATES. THE WALL PLATES ARE TO BE SECURED TO WALLS AT 1.8m CTS WITH 30 x 5 x 600MM GALV' M.S. STRAPS (3no. 23 x 4.0 SCREW FIXINGS PER STRAP). ROOF TO HAVE 100x25MM LONGITUDINAL TIES, DIAGONAL RAFTER BRACING AND CHEVRON BRACING WHERE INDICATED TO B.S. 5268 PART 3:1988. THE ROOF IS TO BE TIED TO GABLES WITH 30 x 5 x 1650 MM GALV' M.S. STRAPS AT 1.8M MAX CT'S ACROSS 3no. RAFTERS / CEILING JOISTS (HAVING BEEN NOGGED WITH 75x50MM SWOOD BEFOREHAND). THE STRAPS TO BE TURNED 150MM DOWN CAVITY FACE OF GABLE BLOCKWORK AND HAVE MIN' 3no. No. 50x8 SCREW FIXINGS PER STRAP. THE ROOF INTERSECTIONS FORMED FROM 50x150 LAY BOARDS, 50x100 JACK RAFTERS + 25x150 RIDGE. ALL TIMBER S.C.3 GRADED. Note. ALL MANUFACTURER'S [ALL BRACING / TIES FIXED WITH 2no. 75 long ANNULAR GALV' nails.] TRUSS CALCULATIONS AND DRAWINGS TO BE SUBMITTED TO L.A. FOR APPROVAL.

ROOF LAYOUT - 1:100.

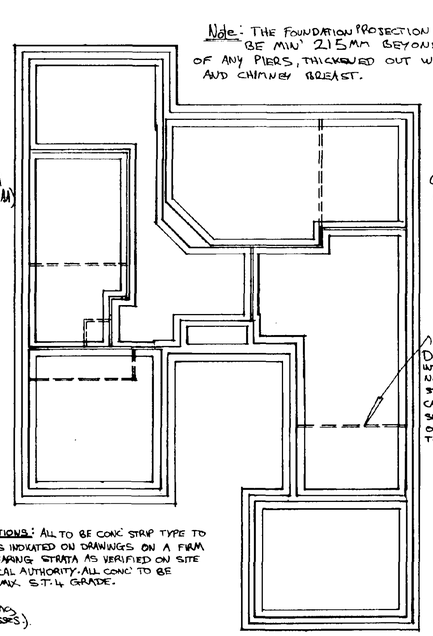


SECTION BB

FLOORS: REMOVE ALL VEG/TOP SOIL AV' 200 DEEP. PROVIDE 100MM S.T.4 GRADE READY-MIXED CONC, ON 300MICRON POLY' SHEET WITH 300MM MIN' LAPS, ON 50MM JABELITE FLOOR INSULATION ON AV' 25MM SAND BLINDING, ON MIN' 150MM MECHANICALLY CONSOLIDATED (IN 100MM LAYERS) HARDCORE, TO SATISFACTION OF LOCAL AUTHORITY ON SITE. ENSURE POLY' MEMBRANE IS LAPPED UP WALLS AND BUILT INTO D.P.C. BED JOINT, AND JABELITE INSULATION IS TURNED UP AT EDGES.

SECTION AA.

AT A LATER STAGE WHEN PLASTERING COMPLETE LAY 65MM SAND/O.P.C. SCREED (4:1:2 SHARP SAND/O.P.C.) (FINISHED FLOOR LEVEL TO BE 22MM ABOVE D.P.C.)

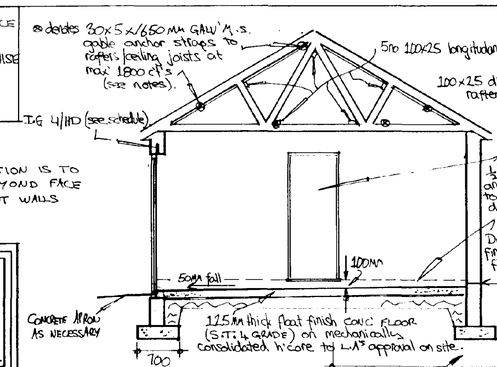


Note: THE FOUNDATION PROJECTION IS TO BE MIN' 215MM BEYOND FACE OF ANY PIERS, THICKENED OUT WALLS AND CHIMNEY BREAST.

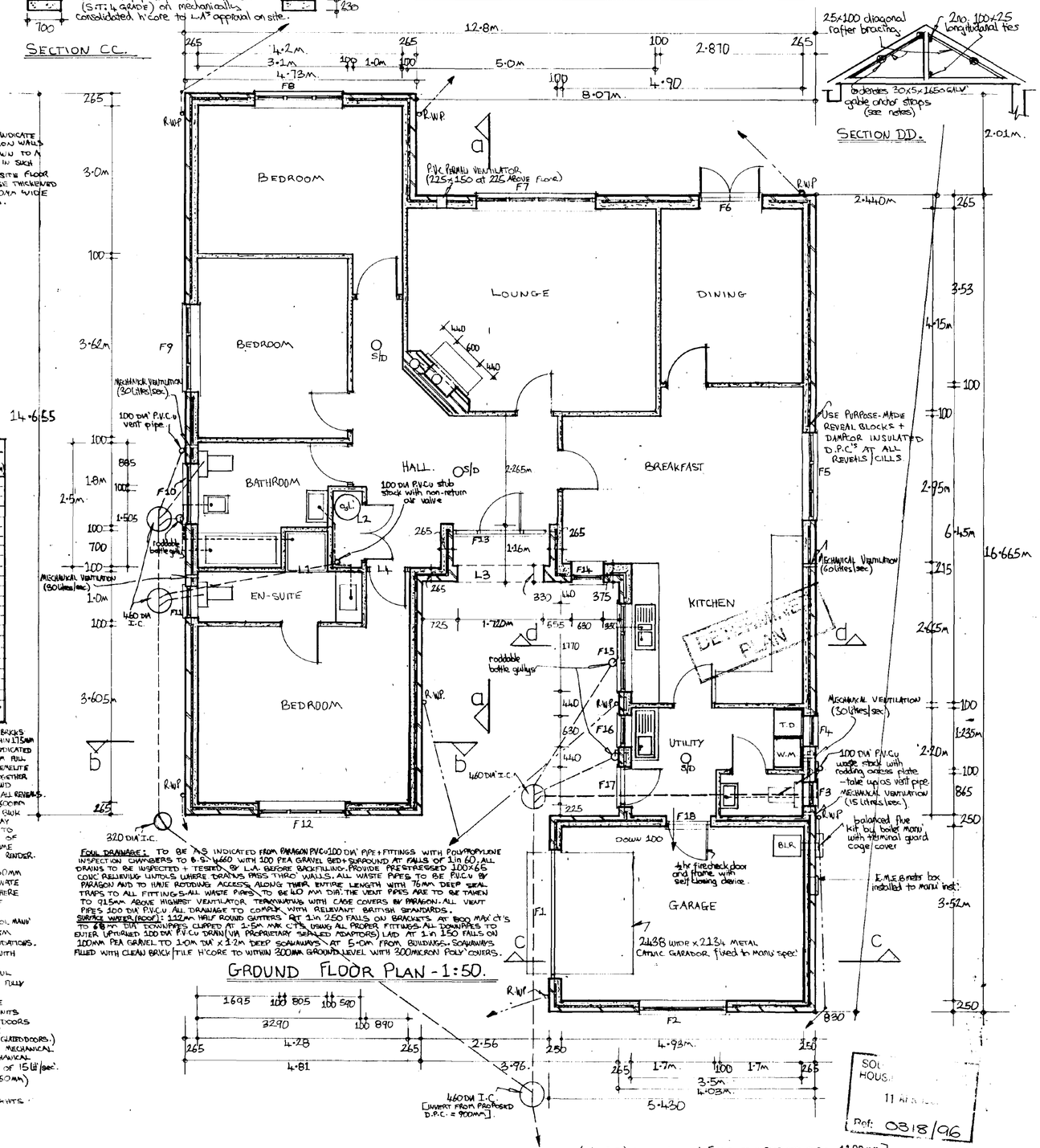
DOTTED LINES INDICATE INTERNAL PARTITION WALLS NOT TAKEN DOWN TO A STRIP FOUND - IN SUCH CASES THE O'SITE FLOOR SLAB IS TO BE THICKENED OUT FOR 4.50MM WIDE TO 225MM.

FOUNDATIONS: ALL TO BE CONC STRIP TYPE TO SIZES AS INDICATED ON DRAWINGS ON A FIRM LOADBEARING STRATA AS VERIFIED ON SITE BY LOCAL AUTHORITY. ALL CONC TO BE READY-MIX. S.T.4 GRADE.

FOUNDATION PLAN - 1:100



SECTION CC.



WALLS: BELOW GROUND - CLASS A CONC BLOCKS AND/OR CLASS B ENGINEERING BRICKS - USE 3:1 SAND/P.C. MORTAR BY VOL. FILL ALL CAVITIES WITH LEAN MIX CONC TO WITHIN 175MM OF D.P.C. ALL EXTERNAL WALLS ABOVE GROUND TO BE 255MM CAVITY CONST. THICKENED OUT IN PLACES AS INDICATED - 100 SKIN QUALITY FACING BRICKS (MORTAR TO MANU' SPEC); 65MM CAVITY WITH 65MM FULL FILL DRITHERM INSULATION FITTED IN ACCORDANCE WITH MANU' SPEC; 100 SKIN HENELITE TYPE B 7.5 BLOCKS LAID IN 1:1:6 SAND/O.P.C/LIME MORTAR BY VOL. TIE SKINS TOGETHER WITH 200MM STAINLESS STEEL BUTTERFLY WALL TIES AT 900MM HORIZONTAL CT'S AND 450MM VERTICAL CT'S. STAGGER. ALL TIES AND POSITION EVERY BLOCK COURSE AT ALL REVEALS. CLOSE ALL CAVITIES AT EAVES. LOUNGE CHIMNEY BUILT IN COMMON BWK WITH 600MM WIDE x 330MM DEEP PIERS AND 330MM SOLID JAMBS WITH 220MM SOLID BWK BEHIND RECESS - CORBEL OVER AS NECESSARY TO 215MM WT' DIA REDBANK CLAY LINERS LAID SOCKET UPPERMOST USING SINGLE COURSE PRESTRESSED LINTOL TO FRONT OF RECESS. FIX PROPER CLAY LINER BENDS TO TAKE FLUE TO SIDE OF CHIMNEY BREAST AS INDICATED WITH MIN' 100 BWK AROUND LINERS AND LIME MIX FILL TO ALL VOIDS. FORM 450MM SQ STACK THROUGH ROOFSPACE AND RENDER. ALL INTERNAL PARTITION WALLS FROM 100MM TYPE B.7.5 BLOCKS.

DAMPCOURSES: P.V.C. TO B.S 743 UNDER ALL WALLS AT LEVEL OF 150MM ABOVE FINISHED PATH / DRIVE LEVEL AND 225MM HIGHER THAN SERVING PRIVATE ROAD. PROVIDE DAMPCOR INSULATED D.P.C's AT ALL REVEALS + CILLS WHERE CAVITIES ARE CLOSED, ENSURING D.P.C. IS TURNED 25MM OUTO SIDES OF WINDOW + DOOR JAMBS. BUILD IN CAVITY TRAY D.P.C's 225MM DEEP + EXTENDING 100MM BEYOND ENDS OF LINTOLS IN EXTERNAL WALLS TO LINTOL MANU' SPEC. AT THE GABLE ABUTMENT USE I.G. GABLE ABUTMENT CAVITY TRAY SYSTEM TO MANU' SPEC. ALL CAVITY TRAYS TO HAVE WEEP HOLES TO I.G. RECCOMMENDATIONS.

LINTOLS: ALL BY I.G. LTD - GALV' M.S. INSULATED WHERE APPLICABLE WITH MIN' 150 END BEARINGS AS PER SCHEDULE.

EXTERNAL FRAMES: ALL EXTERNAL WINDOWS / DOORS BY BOULTON + PAUL FULLY WEATHERSTRIPPED AND FITTED WITH HEADLINE VENTILATORS GIVING FULLY CONTROLLABLE BACKGROUND TRICKLE VENTILATION OF 8,000MM² TO ALL HABITABLE ROOMS. THE BATHROOM, UTILITY AND W.C. ARE TO HAVE TRICKLE VENTILATION OF 4,000MM². ALL GLAZING TO BE 20MM SEALED UNITS (4/12/4) WITH 'K' GLASS AND SUPALUX BEADS. THE GLAZING TO ALL DOORS AND ALL WINDOWS LESS THAN 800MM ABOVE FINISHED FLOOR LEVEL IS TO BE TOUGHENED OR LAMINATED TO B.S. 6206 (THIS ALSO APPLIES TO ANY UNTRICKLE GLAZED DOORS.)

ADDITIONAL ROOM VENTILATION: THE KITCHEN/BREAKFAST ROOM IS TO HAVE MECHANICAL VENTILATION OF 60 l/sec. THE UTILITY AND BATHROOM ARE TO HAVE MECHANICAL VENTILATION OF 30 l/sec. THE W.C. IS TO HAVE MECHANICAL VENTILATION OF 15 l/sec. THE LOUNGE IS TO HAVE P.V.C. PARRALL LOW LEVEL VENTILATOR (225 x 150MM) FOR AIR SUPPLY TO LIVING FLAME EFFECT GAS FIRE.

Note: ALL HABITABLE ROOMS TO HAVE OPENING LIGHTS EQUAL TO 1/10TH FLOOR AREA.

ROOF TILES: TILE ALL ROOF WITH SMOOTH FINISH MARLEY MENDIP 420 x 330MM CONC INTERLOCKING TILES. WITH A MIN' 76MM HEADLAP, CLIPPING ALL EAVES AND VERGE TILES AND EACH TILE IN EVERY 10TH COURSE USING CLIPS + NAILS AS SUPPLIED BY MARLEY; ON 38 x 25MM SWOOD TANALISED LATHS. LATHS TO BE FIXED TO MAX GUAGE OF 340MM (WITH STAGGERED JOINTS BEING SAWN-CUT) BY 90x 3.35MM GALV WIRE NAILS AND TO SPAN ACROSS MIN' 3no. RAFTERS ON THE 1F REINFORCED UNDERSLATERS FELT WITH 200MM LAPS. FIX 13MM EMBOSS PLY OVER RAFTERS AT EAVES FROM TOP OF FACIA TO FIRST TILE LATH TO PREVENT FELT FROM FORMING TROUGHS AND FIT 300MM WIDE P.V.C. D.P.C FROM CENTRE OF GUTTER AND UNDER FELT. ALL VALLEYS FORMED WITH PRE-FORMED FIBREGLASS VALLEY TROUGHS FULLY SUPPORTED ALONG THEIR ENTIRE LENGTH, WITH 300MM LAPS AND FIXED ACCORDING TO MANU' INSTRUCTIONS. ALL VERGES TO HAVE 1.50MM WIDE x 1/4M SUPALUX VERGE STRIPS WITH 50MM PROJECTIONS. ALL RIDGE TILES BY MARLEY, EDGE BEDDED WITH SOLID MORTAR JOINTS. ALL BEDDING/POINTING MORTAR TO BE 8:1 SAND/O.P.C. WITH 'WATER-PROOFER'. THE GABLE ABUTMENT AND CHIMNEY TO BE FLASHED WITH B.S. CODE 4 LEAD

ROOF INSULATION/VENTILATION: PROVIDE GLIDEVALE F.V.100 OVER FACIA ROOF VENT SYSTEM COMPLETE TO ALL EAVES GIVING EQUIVALENT OF A 10MM CONTINUOUS GAP, FITTED STRICTLY IN ACCORDANCE WITH MANU' INST' LAY 100MM FIBREGLASS QUILT INSULATION BOTH BETWEEN AND OVER THE JOISTS GIVING 200 O/A THICKNESS. ENSURE A 50MM PROTECTED AIR SPACE BETWEEN TOP OF INSULATION AND UNDERSIDE ROOFING FELT.

TANK STAND: 50 gall' COLD WATER STORAGE TANK ON 1800 x 1000 x 18MM FAR EASTERN PLY PLATFORM ON 3no. 100 x 50MM BEARERS AT 400 CT'S ON 4 NO. - 50x150 CROSS BEARERS AT 600 CT'S ON 100x50 TIMBERS ACROSS 4no. TRUSSES POSITIONED AT NODE POINTS.

Frame and Lintol schedule.

Ref	Cat' No.	Depth (mm)	Width (mm)	Lintol Ref	Lintol length (MM)
F1	WERDING	2050	2515	L4/HD	3000
F2	3122C	1200	1770	L4/S	2100
F3	N10C	1050	488	L4/S	900
F4	110V	1050	620	L4/S	1050
F5	3100C	1050	1770	L4/S	2100
F6	FCP1263HD	2100	1262	L4/S	1800
F7	4.1350VC	1350	2359	L4/HD	2700
F8	3120C	1200	1770	L4/S	2100
F9	3122C	1200	1770	L4/S	2100
F10	2107	1050	1200	L4/S	1500
F11	110V	1050	620	L4/S	1050
F12	3123CC	1350	1770	L4/S	2100
F13	FD1385PP	2100	1950	L4/S	2400
F14	112V	1200	620	L4/S	1050
F15	3100CC	1050	2170	L4/S	2100
F16	110V	1050	620	L4/S	1050
F17	FN26M	2100	856	L4/S	1200
F18	FSM80FR	2100	875	L4/S	1200
L1	N/A	2262	805	80x100x150	1200
L2	DOOR LINTOL	2045	1515	80x100x150	1950
L3	Arch	N/A	1720	80x100x150	2100
L4	DOOR LINTOL	2045	885	80x100x150	1200

All other internal door openings to have E.G. CORRU' INTERNAL 100 over with min 150 end bearings.

FOUL DRAINAGE: TO BE AS INDICATED FROM PARAGON PVCo 100 DIA' PIPE + FITTINGS WITH POLYPROPYLENE INSPECTION CHAMBERS TO B.S. 4660 WITH 100 PEA GRAVEL BED + SURROUND AT FALLS OF 1 in 60, ALL DRAINS TO BE INSPECTED + TESTED BY L.A. BEFORE BACKFILLING. PROVIDE PRESTRESSED 100x65 CONC RELIEVING LINTOLS WHERE DRAINS PASS THRO' WALLS. ALL WASTE PIPES TO BE PVCu BY PARAGON AND TO HAVE RODDING ACCESS ALONG THEIR ENTIRE LENGTH WITH 76MM DEEP SEAL TRAPS TO ALL FITTINGS. ALL WASTE PIPES TO BE 40 MM DIA'. THE VENT PIPES ARE TO BE TAKEN TO 915MM ABOVE HIGHEST VENTILATOR, TERMINATING WITH CAGE COVERS BY PARAGON. ALL VENT PIPES 100 DIA' PVCu. ALL DRAINAGE TO COMPLY WITH RELEVANT BRITISH STANDARDS.

SURFACE WATER (ROOF): 112MM HALF ROUND GUTTERS AT 1in 250 FALLS ON BRACKETS AT 800 MAX CT'S TO 68MM DIA' DOWNPIPES CLIPPED AT 1.5M MAX CTS. USING ALL PROPER FITTINGS. ALL DOWNPIPES TO ENTER UPGRADED 100 DIA' PVCu DRAIN (VIA PROPRIETARY SPIGGED ADAPTORS) LAID AT 1in 150 FALLS ON 100MM PEA GRAVEL TO A 1.0M DIA' x 1.2M DEEP SOAKAWAYS AT 5.0M+ FROM BUILDINGS. SOAKAWAYS FILLED WITH CLEAN BRICK / TILE H'CORE TO WITHIN 300MM GROUND LEVEL WITH 300 MICRON POLY' COVERS.

GROUND FLOOR PLAN - 1:50.

To cover (rdg T.C.) in private road [INVERT FROM PROPOSED D.P.C. - 1100MM.]