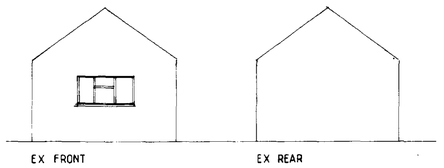
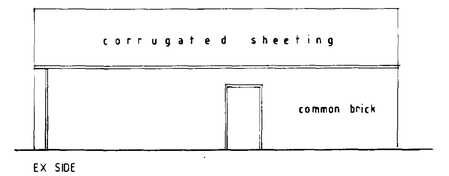
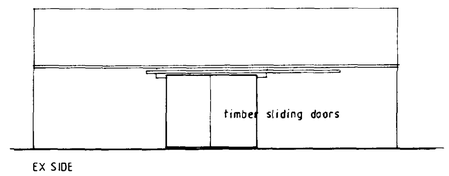
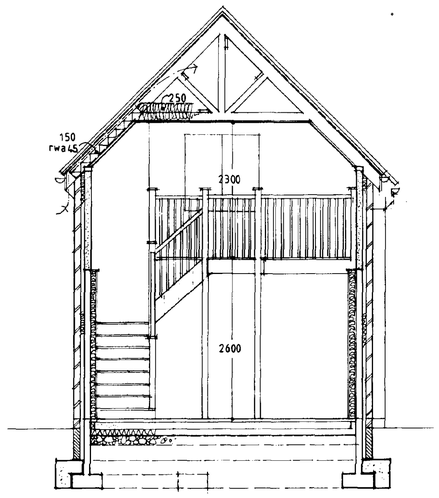
roof:

TERRACOTTA INTERLOCKING CONCRETE PANTILES TO BS: AB 500: PART 2: 1972 ON 25 x 38 SOFTWOOD TREATED BATTENS ON UNDERFELT TO BS: 747: TYPE 1F AND IN ALL CASES TO BE LAYED BY 150MM BOTH HORIZONTALLY AND VERTICALLY: TILES TO BE LAID WITH MIN. HEAD LAP OF 75MM AND FIXED WITH RECAIRO TO WIND SPEED ROOF PITCH AND EXPOSURE CATEGORY AS DETAILED IN C/3: CHAPTER 5: PART 2: 1972: SPECIALIST MADE PREFABRICATED ROOF TRUSSES TO BS: 5268: PART 5: 1985 SET AT MAX. 600 MM CENTRES: 38X100 RIDGE NODE AND INTERMEDIATE BINDERS: WIND BRACING TO TENSS PLATE ASSOCIATION TECH. BULLETIN: SHEET 1: 50X100 WALL PLATE BEDDED ON SAND AND CEMENT: 30X5 GALVANISED METAL STRAPS TO ACT AS ANCHOR AND LATERAL RESTRAINT STRAPS AT MAX 2.0M CENTRES: LATERAL STRAPS TO BE OVER MIN. 3 R. MEMBERS WITH SOLID BLOCKING BENEATH: STRAPS DOWN WALLS TO BE MIN. 900 LONG: ALL STRUCTURAL TIMBER TO BE MIN. SC.3. GRADE: 9MM EXT. GRADE PLYWOOD SOFFITS WITH MIN. 25MM CONTINUOUS RIA. GAP AT EAVES AND PITCH ROOF SCREENS. WITHIN RANGE OF RAFTERS PROVIDE 150MM ROCKWOOL KNAUF INSULATION SLABS (0.2) AND ENSURE CONTINUITY OF 50MM AIR GAP. INSULATION TO BE FORMED INTEGRAL WITH WALL INSULATION WITHIN MAIN ROOF SPACE. PROVIDE MIN. 250MM INSULATION QUILT. ANY ACCESS TRAP TO BE 1050 DRAUGHTPROOF AND FULLY INSULATED. PROVIDE SUFFICIENT SUPPORT TO TENSS MAKERS DETAILS FOR SUPPORT OF COLD WATER STORAGE TANKS: 12.5 GYPROC DUPLEX PLASTERBOARD WITH ARTEX OR 2MM SKIM FINISH: 112 HALF ROUND GUTTERS TO 68MM DOWNPIPES. TO 110Ø UNDERGROUND PIPES, SUITABLY JOINTED AND LAID TO FALLS WITH BED AND SURROUND OF 150 PEA GRAVEL WITH DISCHARGE TO 1.2M Ø PROPERLY FORMED SOAKAWAYS OR TO NEARBY FOUL DRAIN.



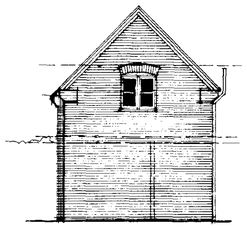


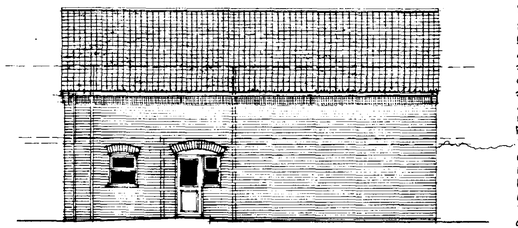


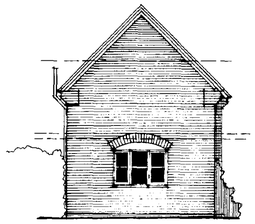


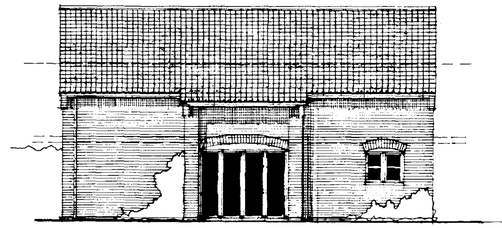
first floor:

150MM T & G FLOORING GRADE CHIPBOARD WITH ALL JOINTS GLUED AND SCREWED OVER. 38 X 150 SC.3. GRADE FLOOR JOISTS SET AT 400MM C/S. TO GABLE END WALL PROVIDE LATERAL RESTRAINT STRAPS AT MAX. 2.0M CENTRES OVER. MIN 3/4" MEMBERS WITH SOLID BLOCKING BENEATH


REAR


SIDE


FRONT (to road)


SIDE

walling:

EXISTING STRUCTURE COMPRISES OF SINGLE SKIN COMMON BRICK WORK WITH BUTRESSING PIERS. UPON REMOVAL OF EX ROOF AND THE PROVISION OF SUITABLE FOUNDATIONS PROVIDE AN EXTRA SKIN OF FACE BRICKWORK EXTERNALLY AND FORMING 75MM CAVITY: NEW BRICKWORK TO BE TIED TO EXISTING USING STAINLESS STEEL SCREW TIES SET AT 900 HORIZONTALLY AND ALSO VERTICALLY. FACE BRICKWORK CARRIED THROUGH TO EAVES LEVEL: WITHIN 75 MM CAVITY PROVIDE 75 MM QUITHERM FULL FILL CAVITY WALL INSULATION BATTS TO MAKERS INSTR. HAVING ATTAINED UPPER LEVEL OF EXISTING BRICKWORK. CONTINUE UP IN 275 CAVITY WALL CONSTRUCTION AS ABOVE WITH THE INTRODUCTION OF AN INNER LEAF OF 100MM SOLID INSULATION BLOCKS (TARMAC TOPBLOCK) OR SIMILAR. POSITION WALL TIES AT 225 VERTICAL CENTRES TO ALL OF THE UNBONDED CLOSURES TO CAVITY: TO ALL CLOSURES OF CAVITY PROVIDE 'DAMCOR' OR SIMILAR TO MAKERS INSTR. SET PLASTER AND SKIM TO ALL FIRST FLOOR WALLS.
TO AREAS OF EXISTING BRICKWORK - INTERNALLY AT GROUND LEVEL PROVIDE VERTICAL STUDDING TO SUIT VOIDS AND FULLY INSULATE AND CLAD WITH 12.5 PLASTERBOARD AND SKIM. NEW GROUND FLOOR INTERNAL WALLS TO BE 100MM SOLID INSULATION BLOCKS: BLOCKWORK CARRIED UP THROUGH THE FIRST FLOOR LEVEL TO REAR OF HALF LANDING TO PROVIDE BUTRESSING TO MAIN PLANK WALL: TO OPPOSING PLANK WALL PROVIDE FULL HEIGHT BUTRESSING PIERS AS SHOWN. SUB STRUCTURE WALLING TO CONSIST OF 100 MM CLASS 'A' DENSE CONCRETE BLOCKS TO BS: 6073: PART 1: 1981: DPC SET MIN 150MM ABOVE FINISHED GROUND LEVEL: WEAK MIX INFILL TO BASE OF CAVITY AND NO CLOSER TO DPC THAN 225. DPC'S TO BS. 6398 (BGIS: 1991).

lintels:

AS MANUFACTURED BY MESSRS: I.G. OR SIMILAR AND TO BE INSTALLED TO MAKERS INSTRUCTIONS AND BE COMPLETE WITH MIN. 150MM END BEARINGS AND CAVITY TRAY DPC'S TO ALL EXTERNAL POSITIONS.

stairs:

STANDARD FLIGHT OF STAIRS MIN. 900MM WIDE AND RISING IN 13 No. EQUAL RISERS OF 200MM AND GOING OF 220MM HANDRAIL SET 900 ABOVE PITCH LINE AND LOCKED UNDER: MAINTAIN MIN. 2.0M CLEAR HEADROOM: NO GAPS TO THE WINDING GREATER THAN WOULD ALLOW THE FREE PASSAGE OF A 150MM SPHERICAL OBJECT.

ground floors:

150MM WELL CONSOLIDATED HARDCORE WITH SAND OR DUST BLINDING: 1200g POLYTHENE MEMBRANE TO BE LAPPED UP WALLS AT 150 METERS: 100 MM VARIOTE OR SIMILAR FLOOR INSULATION BOARDS WITH INSULATION CUT AND LAPPED UP WALLS AT 150 METERS: 100 MM CONCRETE LAID ON SITE OVER 500g MEMBRANE OVER INSULATION. 50 MM SAND AND CEMENT SCREED.

foundations:

EXISTING FOUNDATION TO BE EXCAVATED AND EXPOSED TO DETERMINE SIZE, FORM AND DEPTH AND IF ADEQUATE TO BE OVERLAID EXTERNALLY AS SHOWN. BALANCE OF INTERNAL FOUNDATIONS TO BE TAKEN DOWN TO BEAR UPON SUITABLE LOAD BEARING STRATA DEEMED TO BE 1.0 M BELOW NATURAL GROUND LEVEL OR AS ON SITE CONDITIONS OR LOCAL AUTHORITY BUILDING INSPECTOR DICTATES.

windows doors glass:

STANDARD PATTERN JOINERY ALL DOUBLE GLAZED WITH MIN. 25 MM THERMAL BREAK AND 'E' GLASS (PILKINGTON K) OR SIMILAR. TOUGHENED OR LAMINATED GLASS TO ALL DOORS AND ANY AREAS WITHIN 800 MM OF FLOOR: GLASS TO BS: 6206: 1981 AND APPROVED DOCUMENT 'N': PROVIDE 100% DRAUGHT PROOFING: RAPID VENTILATION EQUAL TO 1/20TH OF FLOOR AREA PART OF WHICH IS AT LEAST 1.75 M ABOVE FLOOR LEVEL: CONTROLABLE BACKGROUND VENTILATION VIA TRICKLE VENTS OF AT LEAST 8000 ㎟ MIN.: WINDOWS FITTED WITH ESCAPE HINGES.

mechanical vents:

TO KITCHEN PROVIDE MECHANICAL VENTILATOR WITH AN EXTRACT RATE OF AT LEAST 60 LITRES PER SECOND OR 30 LITRES IN A COOKER HOOD: TO WC / SHOWER ROOM PROVIDE MECHANICAL VENTILATOR OFFERING MIN. 3 N.P. AIR CHANGES PER HOUR WITH 15 MINUTE OVER RUN FACILITY: OPERATE FROM LIGHT SWITCH AND ISOLATION SWITCH: ENSURE EXTRACT RATE OF AT LEAST 15 LITRES PER SECOND.

smoke detection:

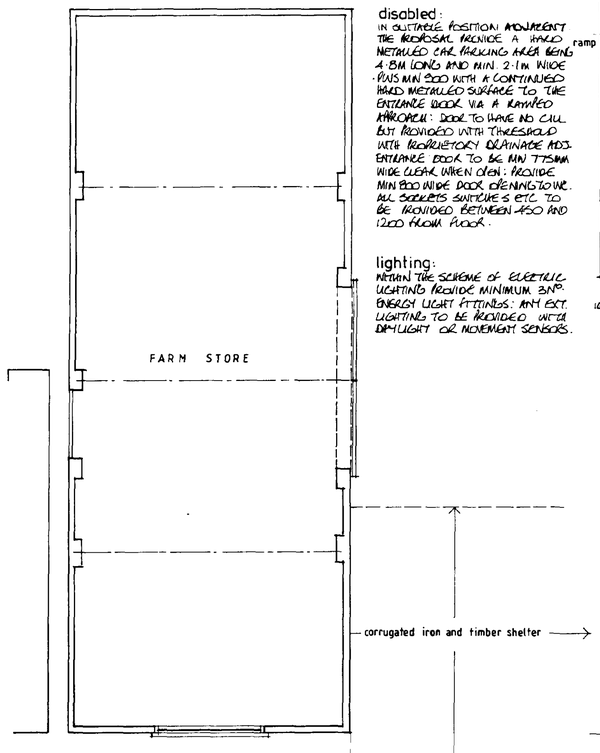
PROVIDE IN POSITION SHOWN: MAINS OPERATED SMOKE DETECTOR AND WHERE MORE THAN ONE IS PROVIDED TO BE INTERCONNECTED AND WIRED BACK TO DISTRIBUTION BOARD AND FUSED ON SEPARATE CIRCUIT.

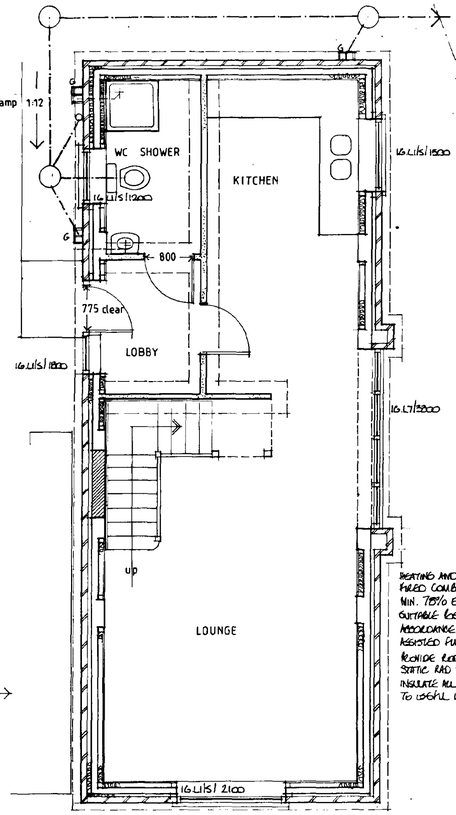
disabled:

IN SUITABLE POSITION ADJACENT THE PROPOSAL PROVIDE A HARD METALLED CAR PARKING AREA BEING 4.8M LONG AND MIN. 2.1M WIDE PLUS MIN 900 WITH A CONTINUED HARD METALLED SURFACE TO THE ENTRANCE DOOR VIA A RAMPED APPROACH: DOOR TO HAVE NO SILL BUT PROVIDED WITH THRESHOLD WITH IRONMONGERY GRAINAGE ADJ. ENTRANCE DOOR TO BE MIN 775MM WIDE CLEAR WHEN OPEN: PROVIDE MIN 800 WIDE DOOR OPENING TO WC. ALL SOCKETS SWITCHES ETC. TO BE PROVIDED BETWEEN 450 AND 1200 FROM FLOOR.

lighting:

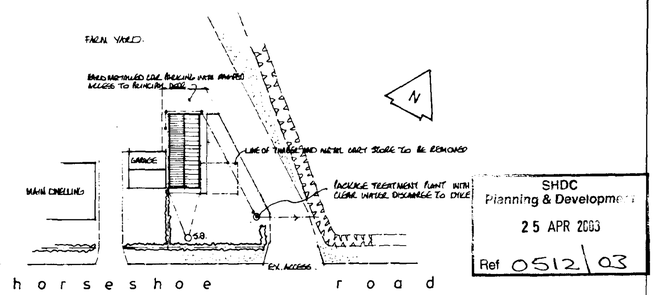
WITHIN THE SCHEME OF ELECTRIC LIGHTING PROVIDE MINIMUM 3 No. ENERGY LIGHT FITTINGS: ANY EXT. LIGHTING TO BE PROVIDED WITH DAYLIGHT OR MOVEMENT SENSORS.





foul drains:

INSPECTION CHAMBER CONSTRUCTION TO BE: 'ENVIROL' OR SIMILAR TO MAKERS INSTRUCTIONS WITH THE INTERNAL DIA. RELATED TO THE DEPTH TO BS: 8301: 1985: PIPES TO BE 110 ø UPVC JOINTED AND LAID TO FALLS AND CAREFULLY JOINTED TO BS: 4660: 1989 WITH BED AND SURROUND OF 150MM PEA GRAVEL OR ENCASED IN 150MM CONCRETE WHERE SUBJECT TO VEHICLE SURCHARGE. PROVIDE SUITABLE BUILDING WHERE PIPES PASS THROUGH WALLS. SW 100 ø PVC TO BS: 4514: 1989 AND TO EXTEND MIN 900 ABOVE ANY WINDOW HEAD AND TERMINATE WITH PVC BALLOON. WASTE PIPES TO BE BRANN HOT ø TO BS: 3943: 1973 WITH RODDING EYES AT CHANGE OF DIRECTION. 75MM DEEP SEAL TRAPS TO APPLIANCES CLOSE TO BE ACCESSIBLE. 50MM WASTE TO SHOWER WITH TRAP ELEVATED TO AFFORD ACCESS TO TRAP FOR CLEANSING.
FINAL DISCHARGE TO BIO-TECH TREATMENT PLANT WITH CLEAR WATER DISCHARGE TO ADJACENT DYKE. (SUBJECT TO ANY CONSENTS).



BLOCK PLAN 1:500

SHDC
Planning & Development
25 APR 2003
Ref 0512/03

client: C. A. WRIGHT + SON

project: PROPOSED CONVERSION OF EX. BUILDING TO SELF CONTAINED DWELLING UNIT FOR FAMILY MEMBER AT: HORSESHOE FARM, HORSESHOE ROAD, SPALDING, LINS.

scale: 1:50/1:100 date: JULY 2002 dwg. no: 01

all dimensions to be checked and verified on site, prior to commencement of works - ground bearing capabilities are assumed to be normal unless deemed otherwise, with due account given. thereto. All or any drawings are issued, where appropriate, subject to Local Authority approval.
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