

REAR ELEVATION

SIDE ELEVATION

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FORM 2.10° LIGHT WALLS TO EXISTING SITTING ROOM WITH 50 x 100 STUDDING & 2.10° VELUX ROOF WINDOWS REF. MD 4, SIZE 780 x 380. INSULATE STUDDING WITH 1 LAYER OF 70 THICK CELOTEX F2 4000 BOARD BETWEEN STUDS & 1 LAYER OF 20 THICK TB 4000 BOARD ON FACE. FINISH WITH 12.5 PLASTERBOARD & SKIM. U-VALUE = 0.26

BUILD IN STEELWORK AS DETAILED BY THE STRUCTURAL ENGINEER & PROTECT WITH 'FIRELINE' BOARD SURROUND

MILD STEEL VERTICAL STRIPS OF 30 x 3 CROSS SECTIONAL AREA & 1000 LONG AT MAX 2000 CENTRES & TO FLANK WALLS. FIX SIMILAR LATERAL RESTRAINT STRIPS TO BE CARRIED OVER MINIMUM 3 N/O JOISTS.

GLASSFIBRE POLYROOF ON 125 THICK CELOTEX INSULATED ROOF DECK ON FIRBRINGS ON 50 x 220 JOISTS AT 450 C/S. ENSURE THE CAVITY WALL INSULATION IS EXTENDED UP TO THE UNDERSIDE OF THE ROOF DECK. U-VALUE = 0.18

100 BUTTERS & 60 DIA. R.W.P.'S. TO MATCH EXISTING.

12.5 PLASTERBOARD & SKIM CEILING & 100 x 50 WALL PLATES. 100 FACING BRICKWORK TO MATCH, 25 CAVITY & DETERMINED INSULATION FILL, 100 DUREX 'BOPALOC', 5 N/O STAINLESS STEEL WALL TIES PER 50, 900 MM & AT EVERY BLOCK COURSE AROUND OPENINGS. U-VALUE = 0.28

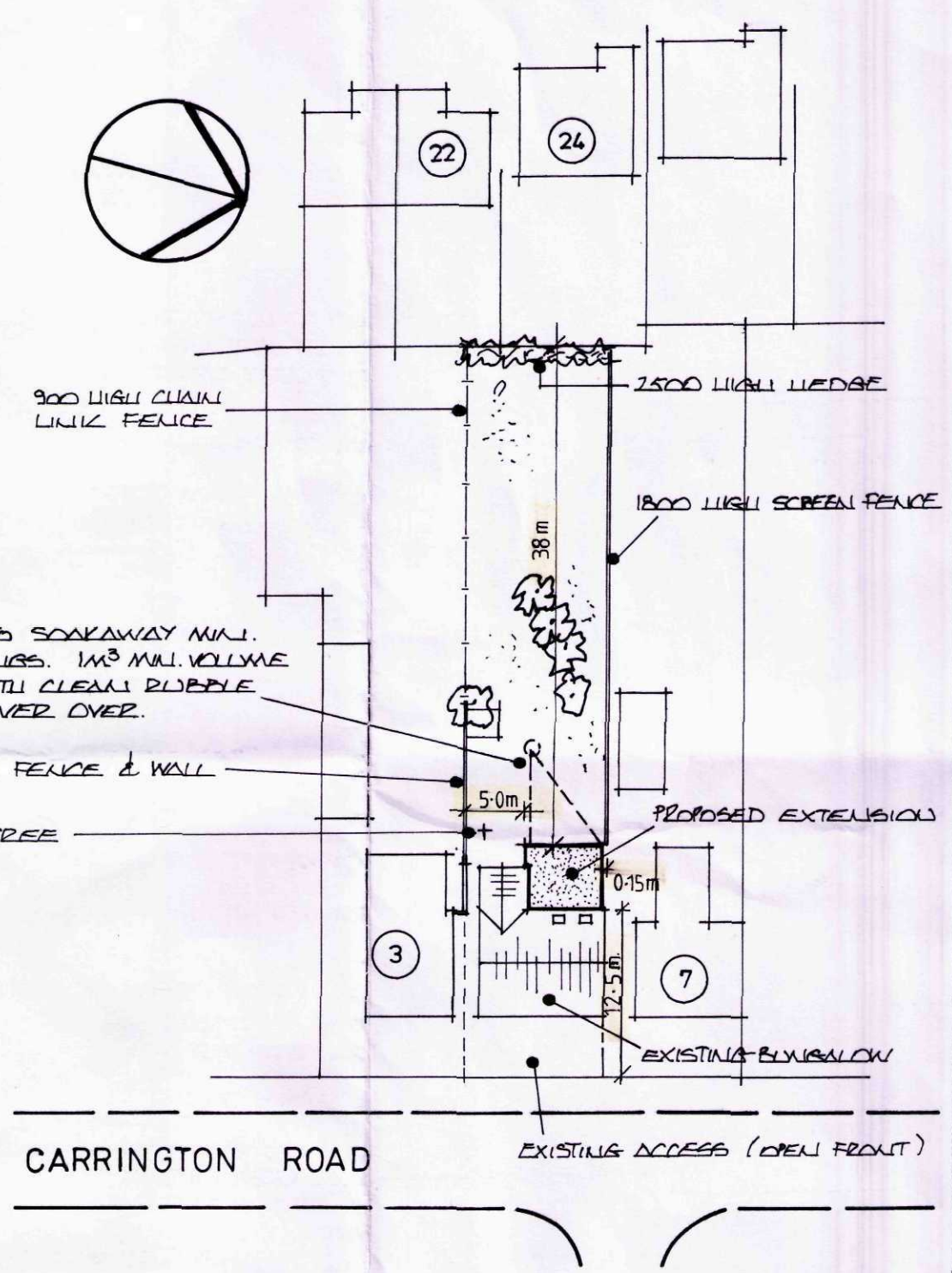
D.P.C. TO BE MIN. 150 ABOVE GROUND LEVEL.

LEAM MIX CAVITY FILL TO 225 BELOW GROUND LEVEL.

50 SCREED ON 100 CONCRETE SITE SLAB ON 1000 & POLYSTYRENE D.P.M. ON 100 THICK POLYSTYRENE PLUS FLOOR INSULATION ON MIN. 150 THICK BLINDED HARDWARE. TURN 25 THICKNESS OF INSULATION UP AT EDGES & LAP D.P.C. & D.P.M. USE CONCRETE MIX BEN 4. U-VALUE 0.22

600 x 225 & 450 x 225 CONCRETE STRIP FOUNDATIONS TO A SUITABLE LOADBEARING STRATA & AT DEPTHS AGREED ON SITE WITH THE BUILDING CONTROL OFFICER. USE CONCRETE MIX BEN 5.

TYPICAL SECTION ON A-A



BLOCK PLAN

1 / 500



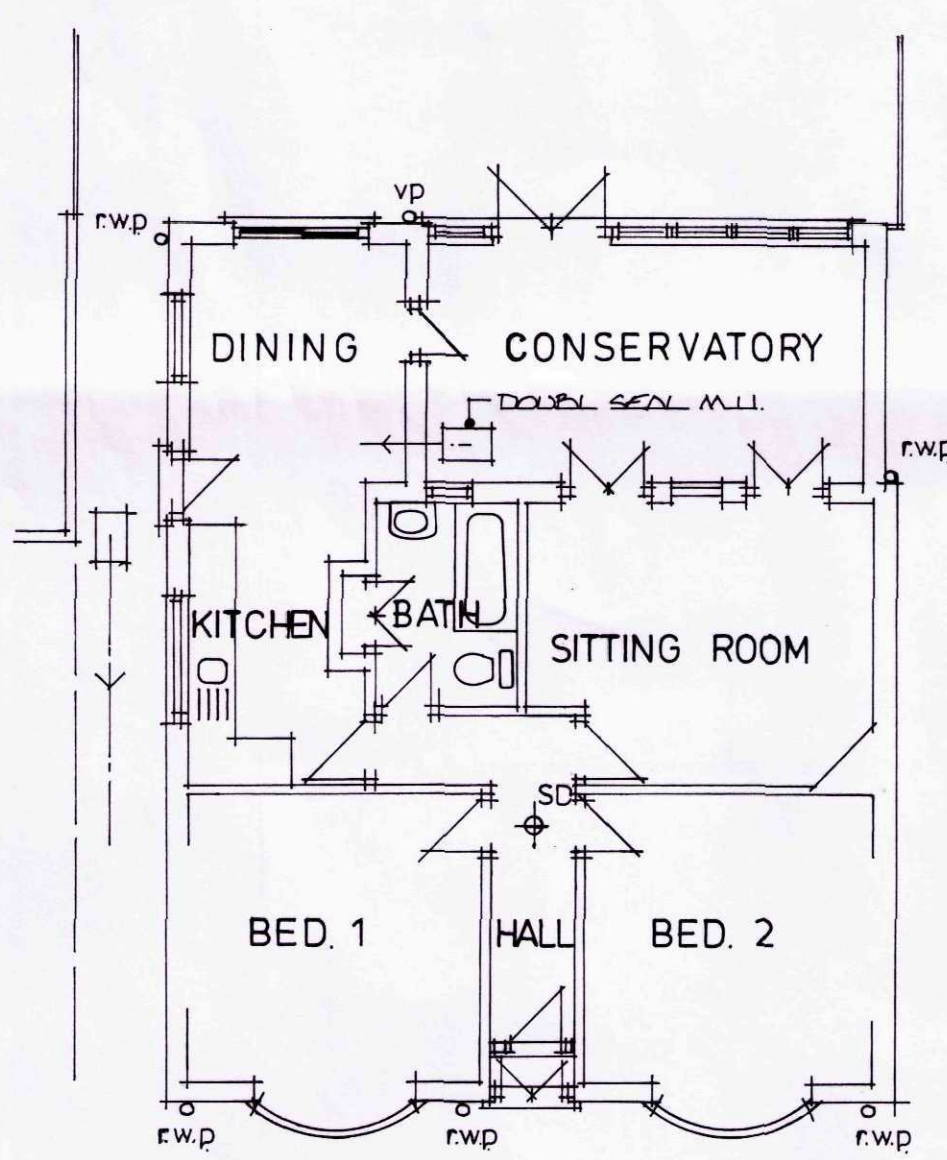
rear elevation

side elevation

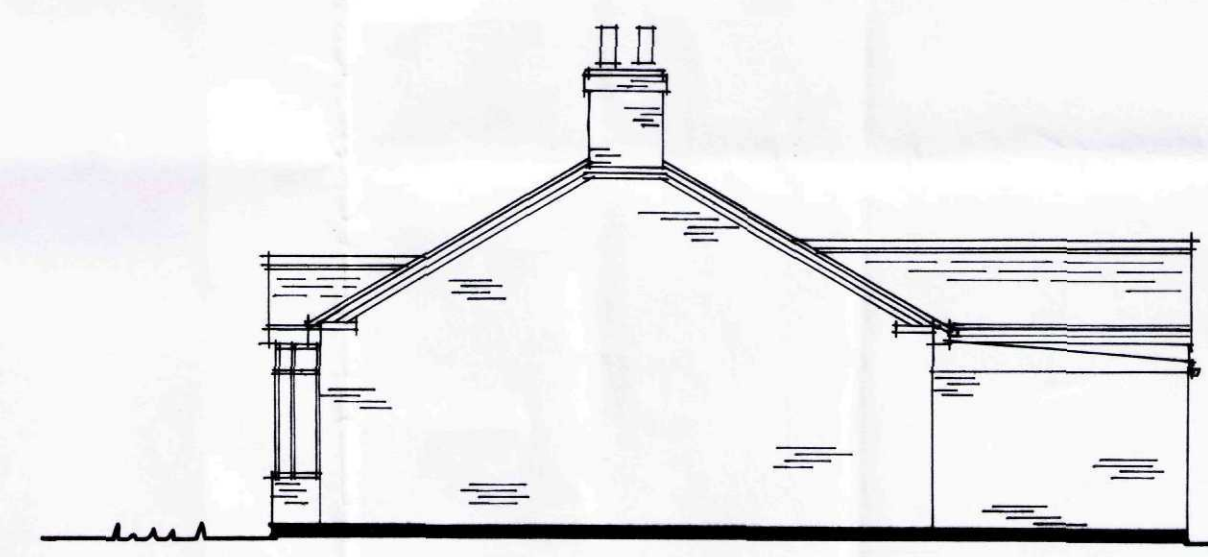
100 DIA PLASTIC F.W. DRAIN AT 1 IN 70 TO EXISTING F.W. SYSTEM & INCLUDING 500 DIA I.C.'S. DRAINS UNDER BUILDINGS TO BE SURROUNDED IN 150 CONCRETE & WHERE PASSING THROUGH WALLS TO BE PROTECTED WITH LINCOL OVER (SPALLITE OR SIMILAR) & ALLOW 50 FREE GAP AROUND PIPE TO BE FILLED ON COMPLETION WITH FIREGLASS. DRAINS OUTSIDE BUILDINGS TO BE ON 150 PEA GRAVEL BED & SURROUNDED & TO BE PROTECTED WHERE SHALLOW. R.W.P.'S ARE TO DISCHARGE INTO TRAPPED GULLIES & INTO 100 DIA. PLASTIC S.W. DRAIN AT FALLS OF 1 IN 100 & LAND AS ABOVE.

Generally

- WINDOWS & DOORS ARE TO BE SEALED DOUBLE GLAZED UNITS & FITTED WITH TRICKLE VENTS TO GIVE 8000 MM² VENT AREA AT EACH UNIT. OPENING VENT AREA TO BE MIN 1/20 OF ROOM FLOOR AREA. WINDOWS MAX U-VALUE=1.2 & DOORS MAX U-VALUE=1.8
- USE INSULATING CAVITY CLOSERS AT OPENINGS TO GIVE U-VALUES=1.2. ALL FRAMES ARE TO LAP THE VERTICAL D.P.C. BY MIN 38.
- CATNAC INSULATED CAVITY WALL UNITS OVER OPENINGS AS STATED ON PLAN. ENSURE MIN 150 END BEARINGS.
- ALL GLAZED AREAS ARE TO COMPLY WITH BS 6206 & APPROVED DOCUMENT K, I.E. ANY GLAZING TO WINDOWS WITHIN 800 OF FLOOR LEVEL & TO DOORS & SCREENS WITHIN 1500 OF FLOOR LEVEL TO BE EITHER TOLUOLITE OR LAMINATED GLASS.
- INSTALL FANS TO GIVE THE FOLLOWING VENT RATES & NEW SLOWED ROOM & EXISTING BATHROOM. 15 LITRES / SECOND. N.B. BATHROOM FAN TO BE WIRED IN ON LIGHTING CIRCUIT & GIVEN 15 MINUTE OVERLAY.
- EXISTING SMOKE DETECTOR IN HALL RETAINED.
- FIX 40 DIA WASTES & 75 DEEP SEAL TRAPS THROUGHOUT.
- FIX LOW ENERGY LIGHTING THROUGHOUT.
- ALL ELECTRICAL WORK REQUIRED TO MEET THE DEMANDS OF PART P REGARDING ELECTRICAL SAFETY MUST BE DESIGNED, INSTALLED, INSPECTED, TESTED & CERTIFIED BY A PERSON COMPETENT TO DO SO.
- HEATING & HOT WATER DETAILS ARE TO BE PROVIDED TO THE BUILDING CONTROL OFFICER UPON DESIGN COMPLETION. ALL NEW RADIATORS ARE TO BE FITTED WITH T.E.V.'S. EXISTING GAS FIRED BOILER LOCATED IN LOFT UNAFFECTED. HEATING ENGINEER TO COMMISSION & CERTIFY ALL WORK.
- WHOLESALE WATER & HEATED WHOLESALE WATER TO BE PROVIDED TO WASHBASIN & SLOWLY.
- WHERE HOT & COLD WATER TAPS ARE PROVIDED ON SANITARY APPLIANCES THE HOT WATER TAP SHOULD BE ON THE LEFT.

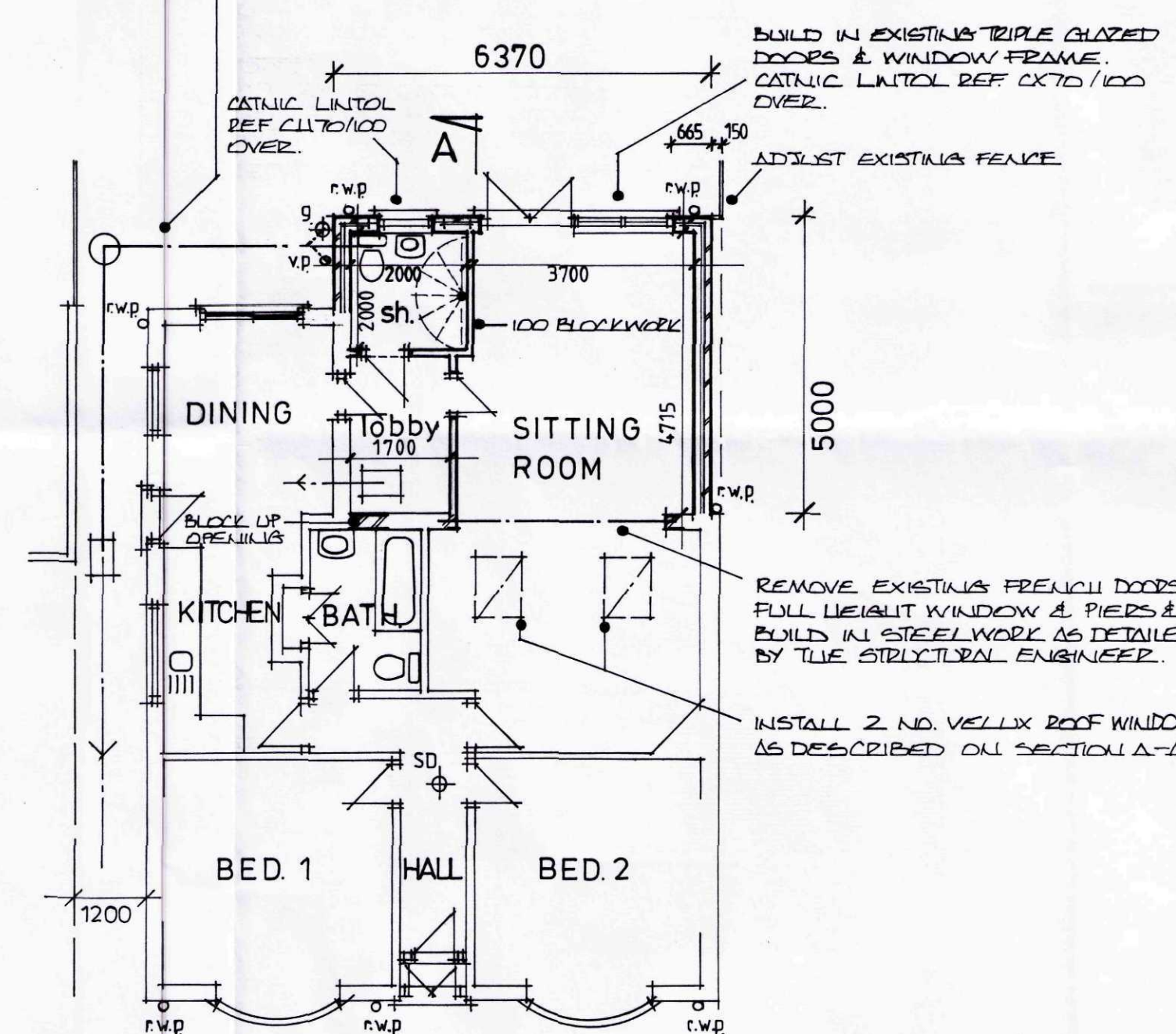


layout plan



side elevation

EXISTING DETAILS



PROPOSED LAYOUT PLAN

This drawing to be read in conjunction with the Structural Engineers details.

PROPOSED EXTENSION
at
5 CARRINGTON ROAD
SPALDING
PE11 1LY
for
MR. J. COUPLAND

SCALES 1/100, 1/500

DRWG. NO. JC / 1