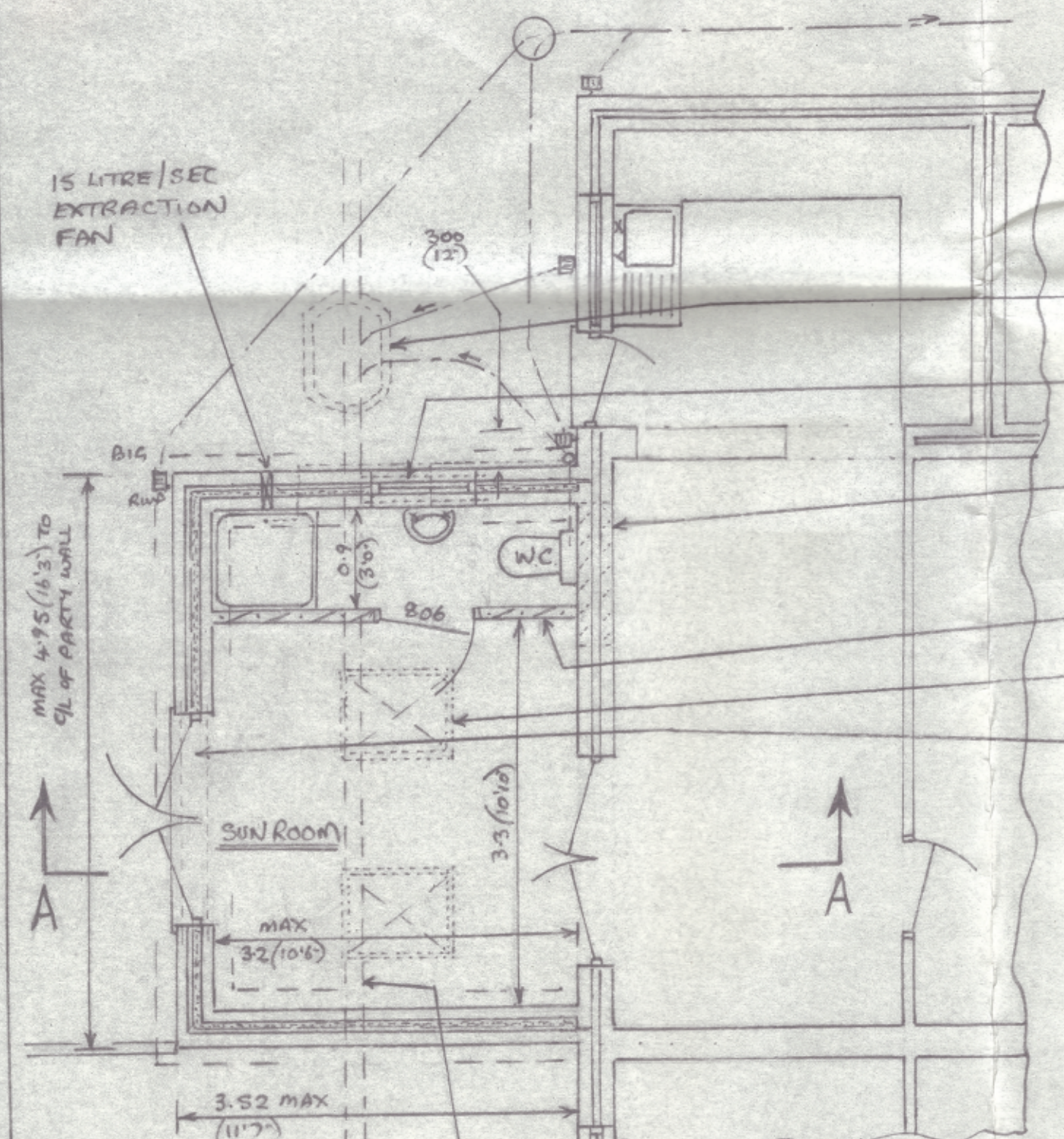
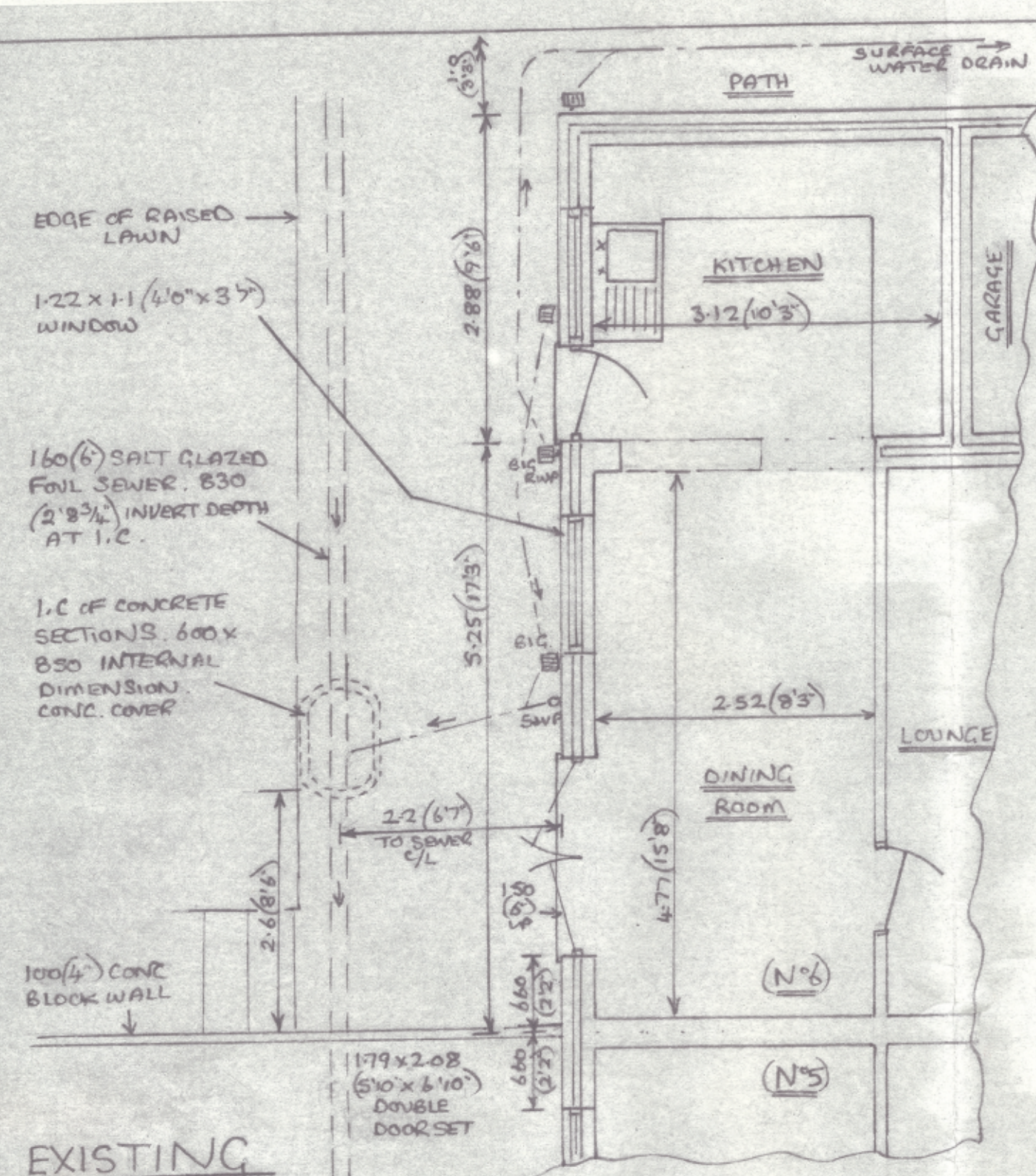




150(6) DIA SALT GLAZED FOUL SEWER REPLACED WITH 160(6) "WAVIN ULTRA RIB" THRUWALL EXTENSION, BRIDGED BY R.C. LINTELS THROUGH WALLS. ENCASED IN 150(6) PER GRAVEL UNDER FLOOR. RE-POSITIONED INSPECTION CHAMBER EITHER SAME CONSTRUCTION AS EXISTING, OR 225(9) BRICK WALLS ON 150(6) CONG. BASE, WITH AIRTIGHT COVER (OR TO UNITED UTILITIES REQUIREMENTS). OTHER NEW DRAINS OF 100(4) DIA OSMA-DRAIN, UPVC, TO JOIN FOUL SEWER AT I.C. (+ RAINWATER DRAINS TO JOIN EXIST LINE ALONGSIDE GARDENS). SOIL/VENT STACK TO EXTEND MIN 900 (30") ABOVE UPPER WINDOW LEVEL, BRIDGED BY R.C. LINTELS THROUGH WALL, NEW W.C. WASTE TO JOIN S+V PIPE SHOULDER + BASIN WASTE APES OF 40(1/2) DIA UPVC, WITH 75(3) DEEP SEAL TRAPS + TO DISCHARGE INTO SOIL/VENT STACK ABOVE, OR MIN 200 (8") BELOW SOIL CONNECTION.

PROPOSED
SCALE 1:50

195x47(7 3/4 x 1 7/8) RAFTERS AT 400(16) CRS PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS. BREATHABLE FELT, 40x25 (1 1/2 x 1) BATTENS + MARLEY WESSEX "GREY CEMENT TILES, 100(4) HEADLAP, 15" PITCH (MIN). RAFTERS ONTO 195x47(7 3/4 x 1 7/8) WALLPLATE SECURED TO EXIST WALL BY M12 RAWLBOLTS AT 600 (24") CRS.

170x47(6 3/4 x 1 7/8) CEILING JOISTS AT 400(16) CRS. PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS. IN JOIST HANGERS ONTO 170x47(6 3/4 x 1 7/8) WALLPLATE SECURED TO EXIST WALL BY M12 RAWLBOLTS AT 600 (24") CRS. 500 GAUGE VISQUEEN VAPOUR BARRIER + 9.5(3/8) PLASTER BOARD + SKIN UNDER, 150 (6) MINERAL FIBRE QUILT BETWEEN JOISTS + 100(4) OVERALL. U VALUE 0.16.

10 (3/8) AIRCAP ALONG EAVES, FIT FLYSCREENS.

115(4 1/2) GUTTERING ON FACIA BOARD, 65(2 1/2) DOWNPIPES IN UPVC, TO DISCHARGE INTO BACK INLET GULLY.

150(6) DEEP R.C. LINTLS. VERTICAL + LINTEL D.P.C. MIN 150(6) GROUND TO D.P.C.

RELOCATE SHORT RETAINING WALL TO LAWN.

675x200 (2'3" x 8") CONG. STRIP FOUNDATIONS TO EXTEND BELOW EXIST FOUL SEWER LINE + TO UNDERPIN EXIST. FOUND. AT JUNCTIONS. CAVITY WALL OF 2 LEAF 100(4) CONG. BLOCK, TIED INTO EXIST WALLS WITH CRACKSOLITE 5/8 PLATES + SCREWS. 115(4 1/2) CAVITY, FILLED SOLID WITH CONG UP TO 225(9) BELOW D.P.C. SEALED OFF AT EAVES + BE CONTINUOUS WITH EXIST CAVITIES. 250(10) LONG 5/8 WALLTIES (STAIRIX RT2 OR EQUIV) AT 750 (26") CRS HORIZONTAL, 450(16) VERTICAL + WITHIN 150 (6) EVERY BLOCK COURSE OF OPENINGS. 20(3/4) RENDER/ROUGHCAST EXTERNAL, 120(4) PLASTER BOARD ON PLASTER DABS + SKIN INTERNAL. ALL JOINTS + EDGES TAPE SEALED, + ELECTRICAL BACKBOXES/CONDUITS ETC TO BE SEALED WITH MASTIC TO MAINTAIN AIRTIGHTNESS. TO (2 1/4) KINGSPAN K8" TO INNER LEAF IN CAVITY TO LEAVE 45 (1 3/4) AIRCAP. U VALUE 0.26

REPOSITION INSP CHAMBER OF SAME CONSTRUCTION AS EXISTING, OR 225(9) BRICK ON CONG. BASE.

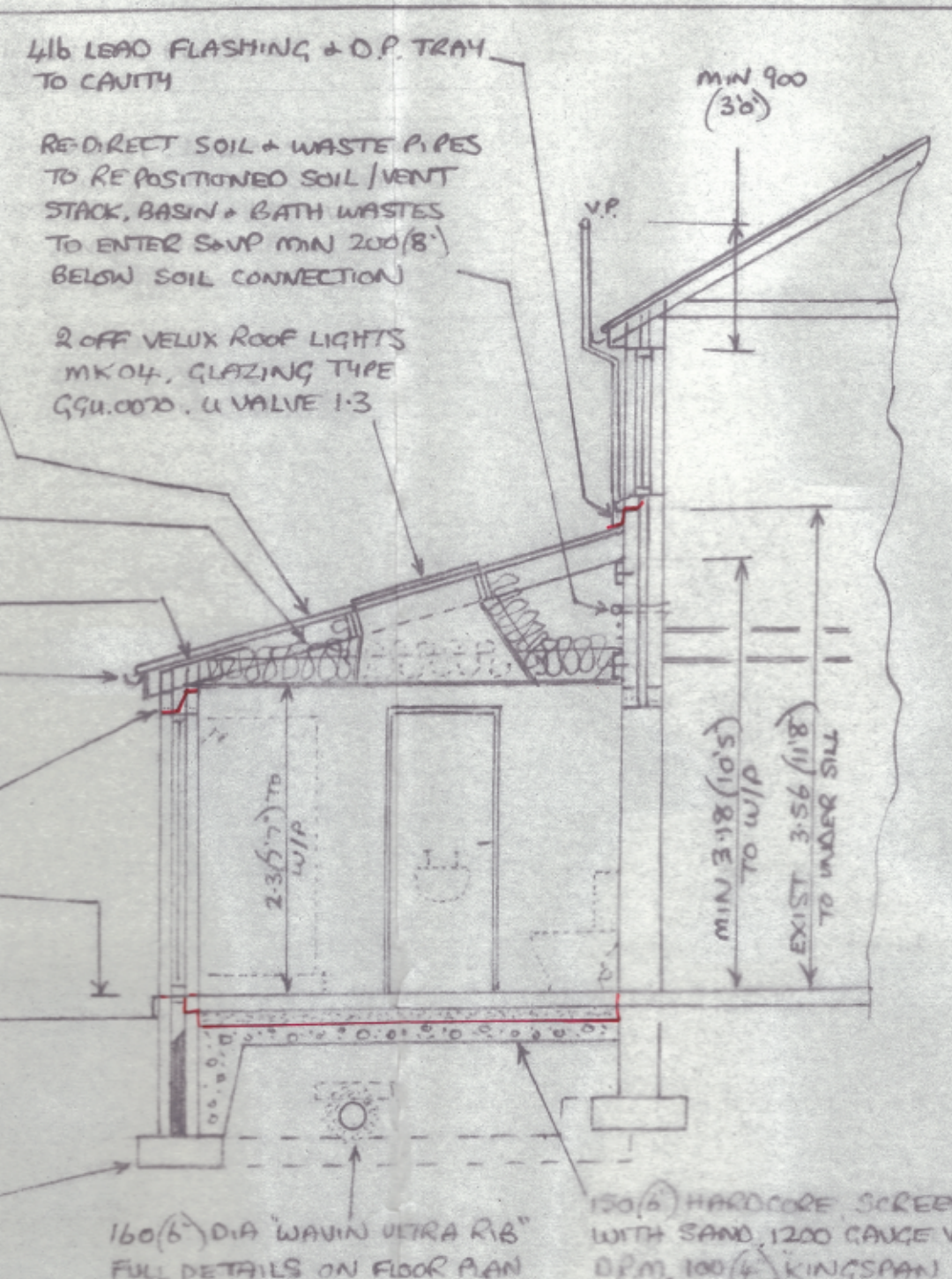
0.9W x 1.1H (3'0" x 3'7") UPVC WINDOW.

BUILD UP EXIST WINDOW IN CONG. BLOCK, OPTIONAL RECESS/SHELVING TO DINING ROOM SIDE.

PARTITION OF 100x50(4'2") STUD AT 400(16) CRS, 127 (1/2) PLASTER BOARD + SKIN BOTH SIDES (10 kg/m²) 50(2) MINERAL FIBRE QUILT SOUNDPROOFING CURTAIN BETWEEN.

2 OFF VELUX ROOF LIGHTS OVER, 780x1920 (2'6 3/4" x 3'2 1/2").

1.8W x 2.1W (5'11" x 6'11") UPVC DOUBLE DOOR SET.



SECTION AA

- 1) ROOF COVERING TO BE "MARLEY WESSEX" GREY CEMENT TILES TO OBTAIN 15° ROOF PITCH.
- 2) EXTERNAL WALL FINISH TO BE WHITE ROUGHCAST.
- 3) WINDOW + DOORS TO BE WHITE UPVC TO MATCH EXISTING.
- 4) ALL TIMBERWORK TO BE TREATED WITH A PRESERVATIVE.
- 5) WINDOW, DOOR + ROOFLIGHTS TO BE DRAUGHT SEALED + FRAMES SEALED INTO WALL/ROOF WITH MASTIC, + BE OF "SECURE DESIGN" TO BS PAS 24:2012 OR EQUIVALENT.
- 6) CAVITIES AROUND OPENINGS, INCLUDING LINTELS, TO BE INSULATED TO PREVENT "COLD BRIDGING", + CLOSED WITH MIN 1/2 HOUR FIRE RESISTANT MATERIAL.
- 7) ALL ELECTRICAL WORK TO BE DESIGNED, INSTALLED, INSPECTED + TESTED IN ACCORDANCE WITH BS 7671 (IEE WIRING REGS - LATEST EDITION) + WORK UNDERTAKEN BY AN INSTALLER REGISTERED UNDER SUITABLE ELECTRICAL "SELF CERTIFICATION" SCHEME, OR QUALIFIED PERSON SUPPLYING A CERTIFICATE OF COMPLIANCE TO BUILDING CONTROL (UPON COMPLETION).
- 8) ALL ELECTRICAL SOCKETS + SWITCHES TO BE LOCATED BETWEEN 450 + 1200 (1'6" + 3'11") ABOVE FLOOR.
- 9) PROVIDE INTERNAL LIGHT FITTINGS CAPABLE OF TAKING "EFFICIENT" LAMPS, EG FLUORESCENT-TUBE OR COMPACT, MIN 40 LUMENS PER CIRCUIT WATT. EXTERNAL LIGHTS TO BE EITHER "EFFICIENT" AS ABOVE, OR ON A TIMER + AUTOMATICALLY EXTINGUISHED IN DAYLIGHT.
- 10) REINFORCING TO CONCRETE LINTELS TO BE MIN 2 OFF M15 BARS IN LOWER PORTION.
- 11) INTERNAL DOOR TO BE MIN 806 (2'7 3/4") TO GIVE MIN CLEAR OPENING WIDTH OF 750 (2'5 1/2").
- 12) ALL DRAINAGE TO BE TO THE SATISFACTION OF LOCAL AUTHORITY + UNITED UTILITIES. EXISTING MAINS FOUL + SURFACE WATER SEWERS SERVE.
- 13) SUN ROOM TO HAVE OPENING DOORS/ROOFLIGHTS EQUAL TO AT LEAST 1/20 FLOOR AREA, + 8000mm² (13in²) TRICKLE VENTILATION.
 - KITCHEN/DINER RETAINS SAME WITH EXIST DOOR + WINDOW.
 - W.C. TO HAVE ANY SIZE OPENING, 4000mm² (6 1/2 in²) TRICKLE VENTILATION + 15 LITRE/SEC CAPACITY EXTRACTION FAN.
- 14) HOT WATER, + SPACE HEATING TO BE PROVIDED BY EXISTING GAS COMBI BOILER (LOCATED IN GARAGE), + EXIST RADIATOR SYSTEM - EXTENDED.
- 15) PROPOSED INVOLVES WORKS ON BOUNDARY WITH NO.5. "THE PARTY WALL 1996 ACT" APPLIES.
- 16) CONSERVATION OF ENERGY DETAILS

U VALUE OF FLOOR ... 0.22	U VALUE OF WALLS ... 0.26	U VALUE OF CEILING ... 0.16
INTERNAL FLOOR AREA OF EXTENSION = 13.76 m²	25% = 3.44 m²	8.505 m² (MAX NEW OPENINGS ALLOWED AT BASIC U VALUES)
AREA OF OPENINGS LOST DUE TO EXTENSION = 5.065 m²		
AREA OF WINDOW + FULLY GLAZED DOORS, UPVC, 20mm GAP DOUBLE GLAZED, EG "SYSTEM 3", 1:1 NEUTRAL LOW E, U VALUE 1.4 = 4.86 m²		6.388 m² (OK)
AREA OF ROOFLIGHTS, TIMBER, DOUBLE GLAZED, VELUX GLAZING TYPE G4H 0070, U VALUE 1.3 = 1.528 m²		
- 17) GLASS PANELS IN DOORS TO BE TONGUED/LAMINATED TO BS 6206, (1981)



SCALE 1:100

