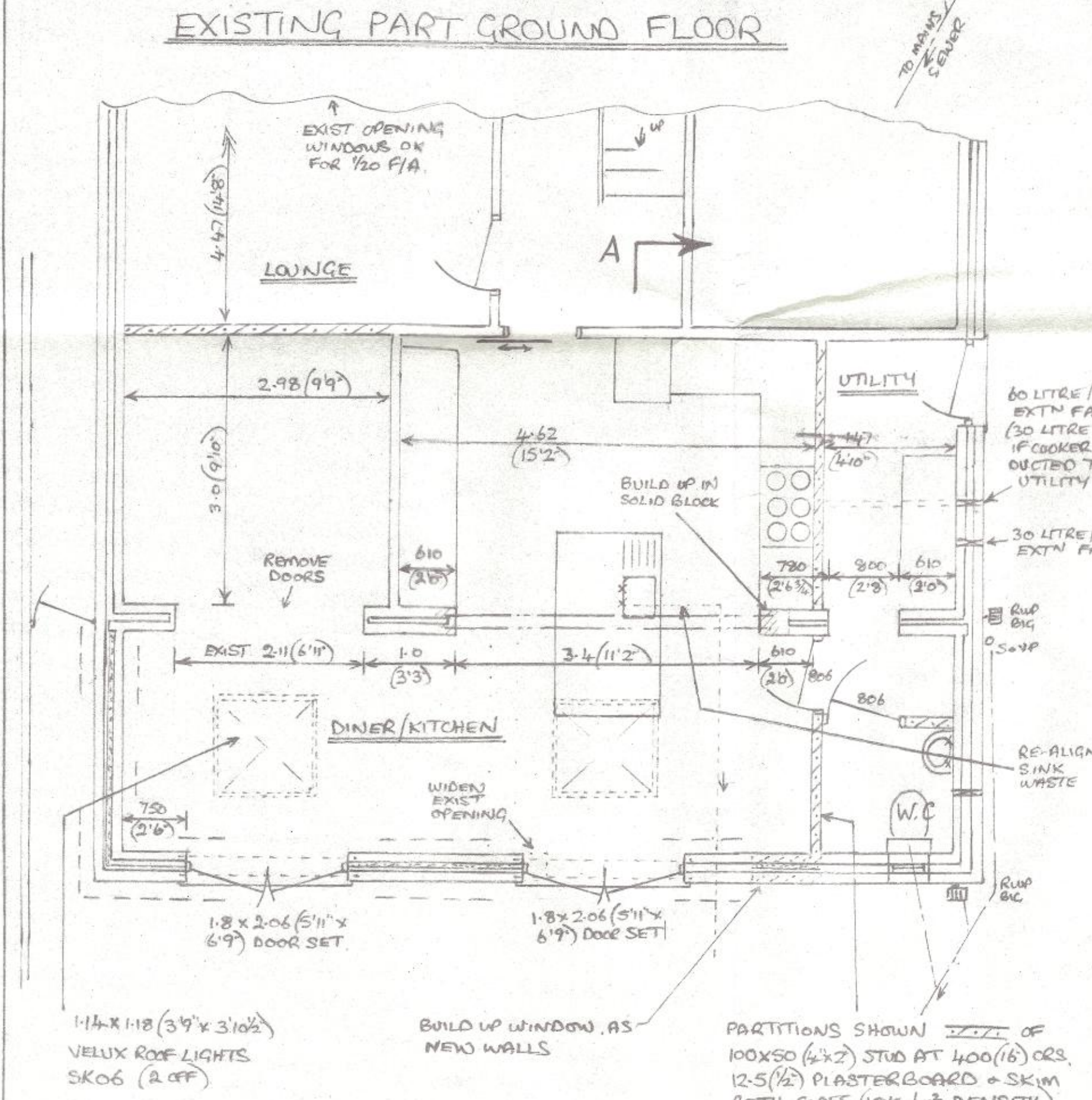
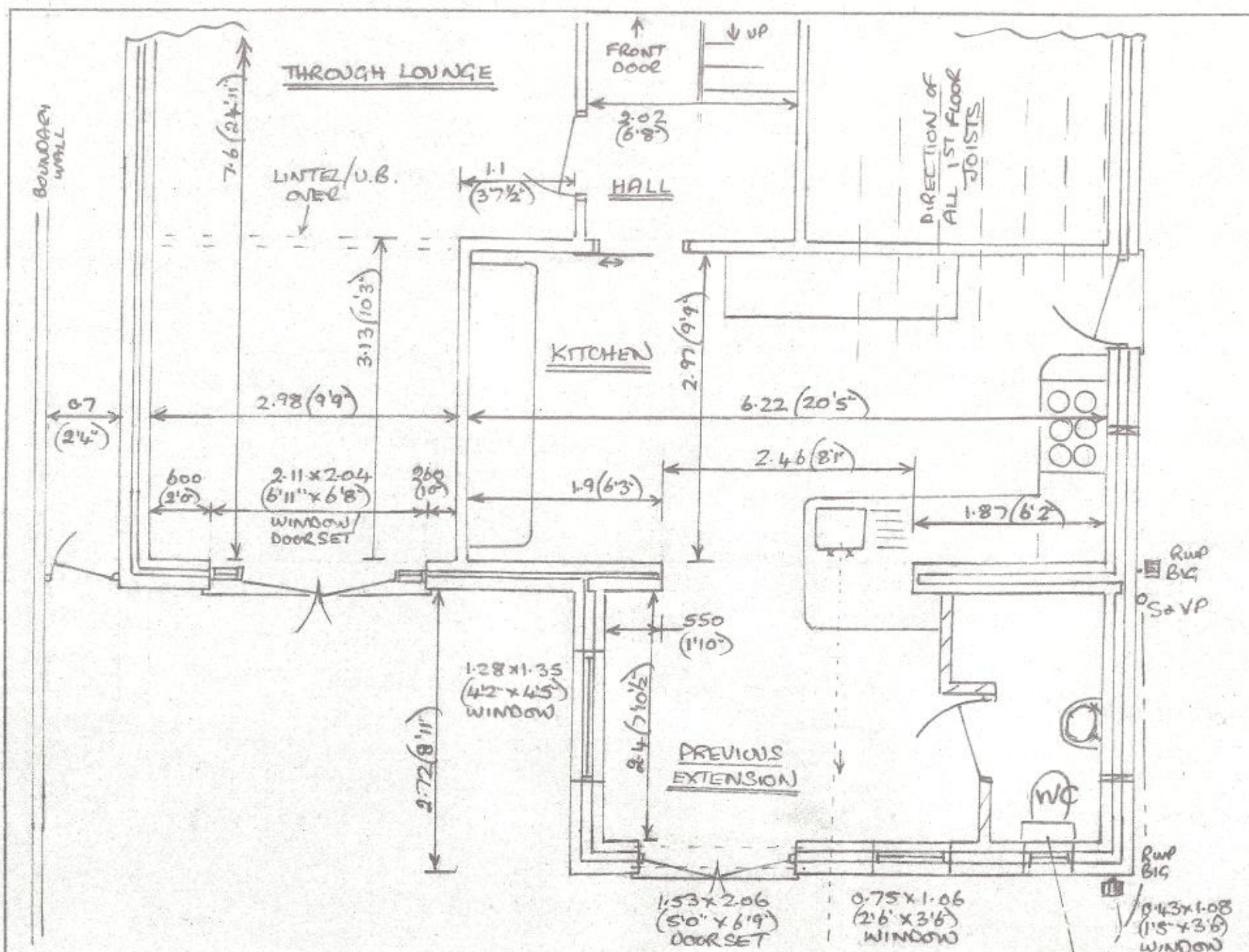




150x47 (6'x1 1/8) RAFTERS AT 400 (16) CRS, PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS, BREATHABLE FELT, 40x25 (1 1/2"x1") BATTENS + FLAT GREY CEMENT TILES, 100 (4) HEMOLAP 17 1/2" PITCH (CONTINUATION OF EXISTING)

145x47 (5 3/4"x1 1/8) CEILING JOISTS AT 400 (16) CRS, PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS, IN JOIST HANGERS ONTO 145x47 (5 3/4"x1 1/8) WALLPLATE, SECURED TO EXIST WALL WITH M12 RAWL BOLTS AT MAX 600 (20) CRS, 500 GAUGE VISQUEEN VAPOR BARRIER + 9.5 (3/8) PLASTERBOARD + SKIM UNDER, 150 (6) MINERAL FIBRE QUILT BETWEEN JOISTS + 100 (4) OVERALL (SAME TO SIDES OF ROOFLIGHT OPENINGS, U VALUE 0.16,

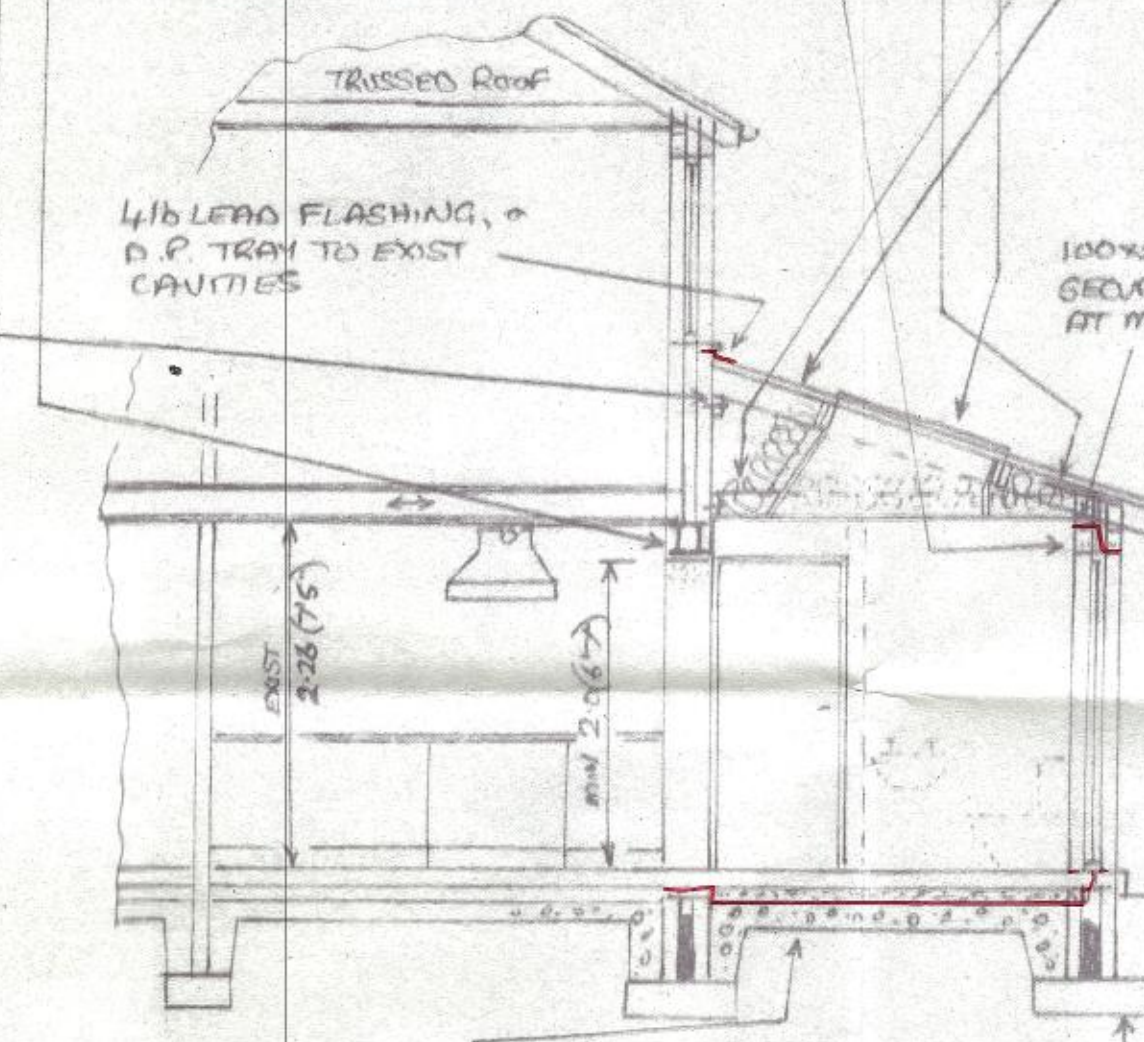
150x47 (6'x1 1/8) WALLPLATE SECURED BY M12 RAWL BOLTS AT MAX 600 (20) CRS

PAR 20.3 x 33 (8 x 13) 30mm VUL BOLTED TOGETHER WITH M16 8.8 GRADE BOLTS AT 500 (18) CRS, WITH TUBULAR SPACERS, + TO SIT ON 150 (6) THICK CONE PADSTONES EACH END, ENCASE IN 2 LAYERS 125 (5) PLASTERBOARD + SKIM.

2 OFF 1.14x1.18 (3'9"x3'10") VELUX ROOF LIGHTS SK06, GLAZING TYPE GQU 0000, U VALUE 1.3

10 (3/8) AIRGAP, CONTINUOUS ALONG EAVES, FIT

150 (6) DEEP R.C. LINTELS, FOR OPENINGS UP TO 1.83 (6'0") VERTICAL + LINTEL OPC TO EXTERNAL OPENINGS



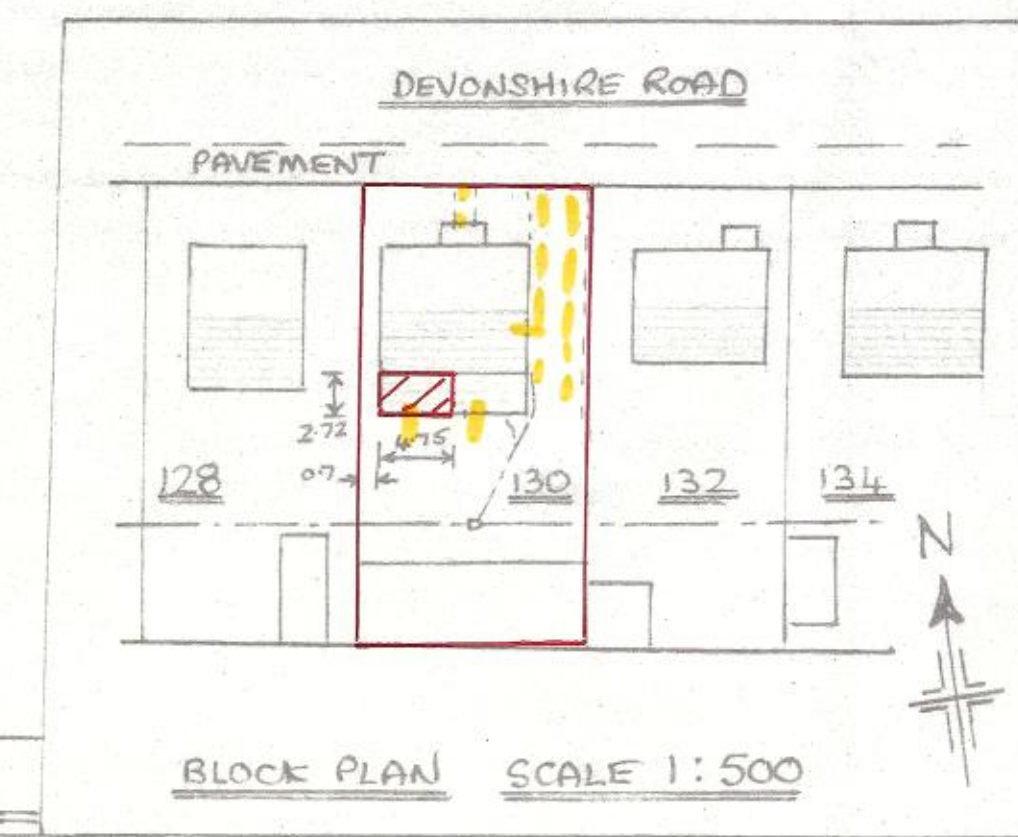
150 (6) HARDWARE SCREENED WITH SAND, 1200 GAUGE VISQUEEN D.P.M. 100 (4) KINGSPAN K'S INSULATION, 500 GAUGE VAPOR BARRIER, 100 (4) CONIC, PLUS APPLICANTS CHOICE OF FINISH, U VALUE 0.22

675x200 (23x8) CONE STRIP FOUNDATIONS MIN 400 (20) DEEP + TO STEP ONTO EXIST AT JUNCTIONS, CAVITY WALL OF 2 LEAF 100 (4) CONIC BLOCK, TIED INTO EXIST WALLS WITH 'CROCODILE' 1/8" PLATES + SCREWS, 115 (4) CAVITY, FILLED SOLID WITH CONIC UP TO 2.25 (7'5") BELOW DPC, SEALED OFF AT EAVES, + BE CONTINUOUS WITH EXIST CAVITIES, 70 (2 1/2) KINGSPAN KE TO INNER LEAF IN CAVITY TO LEAVE 45 (1 1/2) AIRGAP, 250 (8) LONG 9/8 WALLTIES (STAFIX RT2 OR EQUIV. AT 750 (24) CRS HORIZONTAL, 450 (16) VERTICAL + WITHIN 150 (6) EVERY BLOCK COVER OF OPENINGS, 20 (3/4) RENDER/SPAR EXTERNAL, 127 (1/2) PLASTERBOARD ON PLASTER DABS + SKIM INTERNAL [IF EXIST WALL CAVITY NARROWER, NEW TO MATCH, MAX 100 TO LEAVE 45 AIRGAP, + DIFFERENCE INTERNAL - IE KINGSPAN BACKED P/B ON DABS], ALL JOINTS + EDGES TAPE SEALED + ELECTRICAL BACKBOXES, CONDUITS ETC TO BE SEALED WITH MASTIC/FOAM TO MAINTAIN AIRTIGHTNESS, U VALUE 0.26.



- 1) ROOF COVERING TO BE FLAT GREY CEMENT TILES AS EXISTING.
- 2) EXTERNAL WALL FINISH TO BE WHITE SPAR TO MATCH EXISTING.
- 3) NEW DOORSETS TO BE WHITE UPVC TO MATCH EXISTING.
- 4) ALL TIMBERWORK TO BE TREATED WITH A PRESERVATIVE.
- 5) REINFORCING TO CONCRETE LINTELS TO BE MIN 2 OFF M.S. BARS IN LOWER PORTION.
- 6) DOORS + ROOFLIGHTS TO BE DRAUGHT SEALED, FRAMES SEALED INTO WALLS/ROOF WITH MASTIC, + BE OF SECURE DESIGN TO BS PAS 24:2012 OR EQUIVANT.
- 7) CAVITIES AROUND OPENINGS, INCLUDING LINTELS, TO BE INSULATED TO PREVENT 'COLD BRIDGING' - CLOSED WITH MIN 1/2 HOUR FIRE RESISTANT MATERIAL.
- 8) ALL GLASS PANELS IN DOORS TO BE TONGUED/LAMINATED TO BS 6206 (1981)
- 9) ALL ELECTRICAL SOCKETS + SWITCHES TO BE LOCATED BETWEEN 450-1200 (18-31") ABOVE FLOOR + WIRED 'TOP DOWN'.
- 10) 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.
- 11) PROVIDE INTERNAL LIGHT FITTINGS CAPABLE OF TAKING EFFICIENT LAMPS, MIN 40 LUMENS PER CIRCUIT WATT. EXTERNAL LIGHTS TO BE EITHER EFFICIENT AS ABOVE, OR ON A TIMER + AUTOMATICALLY EXTINGUISHED IN DAYLIGHT.
- 12) ALL DRAINAGE TO BE TO SATISFACTION OF LOCAL AUTHORITY.
- 13) KITCHEN/DINER TO HAVE OPENING PANELS EQUAL TO AT LEAST 1/20 FLOOR AREA, + 8000mm² (13in²) TRICKLE VENTILATION.
 - LOUNGE TO RETAIN SAME
 - KITCHEN TO ALSO INCLUDE 60 LITRE/SEC CAPACITY EXTRACTION FAN (30 LITRE/SEC IF COOKER HOOD)
 - UTILITY, ANY SIZE OPENING, 4000mm² (6'1"²) TRICKLE VENTILATION + 30 LITRE/SEC EXTRACTION FAN.
- 14) HOT WATER, + SPACE HEATING TO BE PROVIDED BY EXIST GAS COMBI BOILER, IN ATTIC, + EXISTING RADIATOR SYSTEM EXTENDED.
- 15) 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 = 10.68m², ∴ 25% = 2.67m² } 9.48m² (MAX NEW OPENINGS OPENINGS LOST DUE TO EXTENSION) / WORKS AT BASIC U VALUES					
AREA OF DOORS (INCREASE), U.P.C. MIN 20 GAP 0/9, EQ 'SYSTEM 3', 1.1 NEUTRAL LOW'E, U VALUE 1.4 = 4.41m² } 7.1m²					
AREA OF ROOFLIGHTS, TIMBER, D/K, VELUX SPEC FOR GLAZING TYPE GQU 0000, U VALUE 1.3 = 2.69m² } (2)					



PROPOSED EXTENSION AT 130 DEVONSHIRE RD, MILLOM, CUMBRIA, FOR MR A. HAWDON