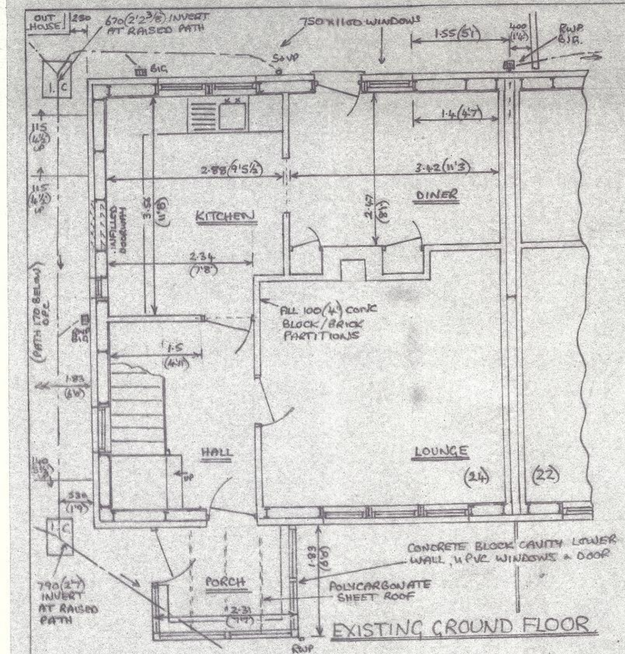
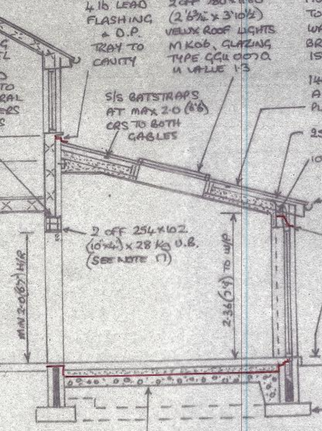




150 (6) HARDCORE SCREENED WITH SAND 1200 GAUGE VISQUEEN D.P.M., 100 (4") K3 INSULATION. 500 GAUGE VAPOR BARRIER 100 (4") CONC + APPLICANTS CHOICE OF FINISH. MIN 25 (1") PERIMETER INSULATION TO CONC FLOOR. U VALUE 0.18

195 x 40 (7 5/8" x 1 5/8") RAFTERS AT 400 (16") CRS., PAIRED TO SIDES + AS TRIMMERS TO ROOF LIGHTS, ONTO 195 x 40 WALLPLATE SECURED TO EXIST. WALLS BY M12 WALL BOLTS AT MAX 600 (2'0) CRS. + GIROMOTHEO ONTO LOWER WALLPLATE. BREATHABLE FELT. 40 x 25 (1 1/2" x 1") BATTENS + "REDLAND CAMBRIAN" SLATE. 15° A'TCH. MIN 75/MAX 90 HEAD LAP.

140 (5 1/2") "KINGSPAN K7" BETWEEN RAFTERS, TO LEAVE MIN 50 (2") AIRGAP ABOVE. 500 GAUGE VISQUEEN VAPOUR BARRIER + 30 (1 1/4") BACKED 12.5 (1/2") PLASTERBOARD (K17) + SKIM UNDER. U VALUE 0.15.

35 (1") AIRGAP CONTINUOUS ALONG EAVES. FIT FLYSCREENS

100 x 50 (4x2") WALLPLATE, SECURED BY BATSTRAPS AT MAX 2.0 (6'6") CRS.

115 (4 1/2") GUTTERING ON FACIA BOARD + 65 (2 1/2") DOWNPIPES. IN U.P.V.C. TO DISCHARGE INTO BACK INLET/BOTTLE GULLIES

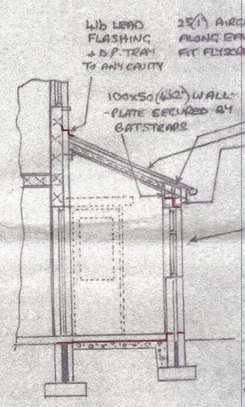
CATNIC STEEL LINTEL CX 110/100 TO 3.0 (9'10 1/2") WIDE BI-FOLD DOOR SET. SWL 50 KN. VERTICAL + LINTEL D.P.C. TO OPENING

MIN 150 (6") GRAVEL TO D.P.C/FLOOR

675 x 200 (2'3" x 8") CONC STRIP FOUNDATIONS, MIN 600 (2'0") DEEP, TO STEP UNDER/UNDERPIN EXIST FOUND'S. AT JUNCTIONS + BELOW ANY DRAINS. CAVITY WALLS OF 2 LEAF 100 (4") CONC BLOCK TIED INTO EXIST WALLS WITH "CROCODILE" S/S PLATES + SCREWS. 120/125 (4 1/2"/5") CAVITY, FILLED SOLID WITH CONC. UP TO 250 (10") BELOW D.P.C/FLOOR LEVEL. SEALED OFF AT EAVES + BE CONTINUOUS WITH EXISTING CAVITIES. 250 (10") LONG S/S WALLTIES ("STAINLESS-RITZ" OR SIMILAR) AT 750 (2'6") CRS HORIZONTAL, 450 (1'6") CRS VERTICAL + WITHIN 150 (6") EVERY BLOCK COURSE OF OPENINGS. 75 (3") KINGSPAN K8 TO INNER LEAF IN CAVITY TO LEAVE 45/50 AIRGAP + TO EXTEND DOWN 225 (9") BELOW FLOOR LEVEL. MIN 35 (1 3/8") BACKED 12.5 (1/2") PLASTERBOARD (KINGSPAN K17) ON PLASTER DABS + SKIM INTERNAL. 20 (3/4") RENDER/K'REND EXTERNAL. U VALUE 0.18 (ALSO SEE NOTES 2 + 10).

ALL GROUND AROUND EXIST HOUSE LOWERED TO 150 (6") BELOW D.P.C. AS ORGINAL INCLUDING INSP CHAMBER COVERS

SECTION AA



125 x 47 (5" x 1 7/8") RAFTERS AT 400 (16") CRS, ONTO 125 x 47 (5" x 1 7/8") WALLPLATE SECURED TO EXIST WALL BY M10 WALLBOLTS AT MAX 600 (2'0") CRS. BREATHABLE FELT. 40 x 25 (1 1/2" x 1") BATTENS + "MARLEY LUDLOW PLUS"/"REDLAND 49", SMOOTH, TILES. MIN 75 (3") HEADLAP. MIN 25° PITCH

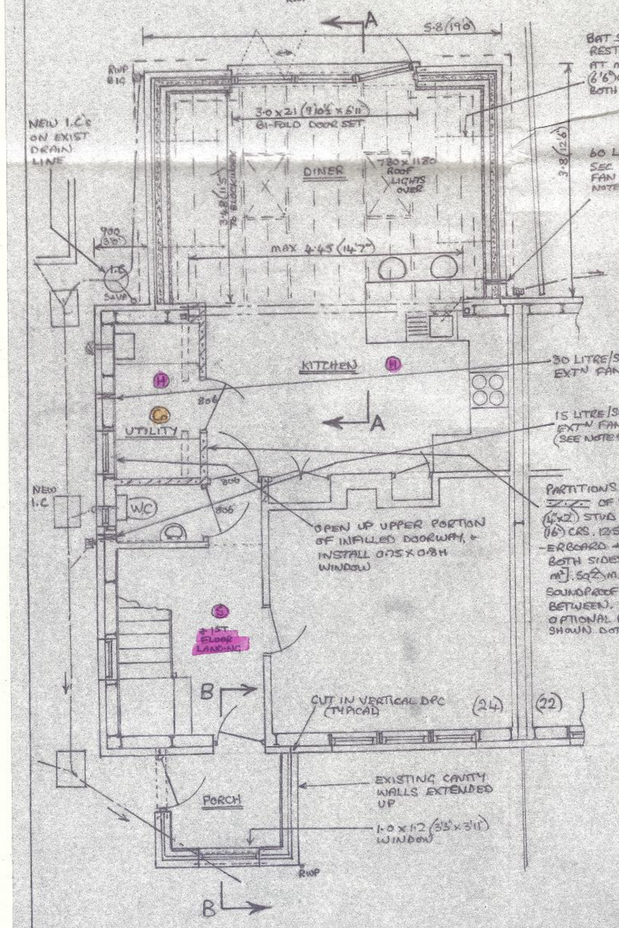
70 (2 3/4") KINGSPAN K7 INSULATION BETWEEN RAFTERS, TO LEAVE 50 (2") AIRGAP ABOVE. 500 GAUGE VAPOR BARRIER + 12.5 (1/2") P/B + SKIM UNDER

150 (6") DEEP R.C. LINTELS TO WINDOW + PORCH DOOR. VERTICAL + LINTEL D.P.C.

EXISTING 250 (10") CAVITY WALLS EXTENDED UP IN 2 LEAF 100 (4") CONC BLOCK TIED INTO EXIST WALL WITH CROCODILE S/S PLATES + SCREWS. CUT IN VERTICAL D.P.C WITHIN CAVITY. 200 (8") LONG S/S WALLTIES AT 900 (3'0") CRS HORIZONTAL, 450 (1'6") CRS VERTICAL, + WITHIN 150 (6") EVERY BLOCK COURSE OF OPENINGS. P/B ON PLASTER DABS + SKIM INTERNAL. RENDER/K'REND EXTERNAL.

NEW DRAINS TO BE OF 100 (4") U.P.V.C. BRIDGED BY R.C. LINTELS THROUGH WALLS, TO JOIN EXIST LINE. I.C.'s OF U.P.V.C. TYPE, OR 225 (9") BRICK ON 100 (4") CONC. BASE, FALLS 1 IN 80. EXIST 1ST FLOOR BATHROOM UNITS RE-ARRANGED TO ALLOW NEW S+V.P. POSITION. BATH/SHOWER/BASIN/SINK WASTE PIPES OF 40 (1 1/2") DIA U.P.V.C. [80 (3")] FOR RUNS OVER 3.0 (9'10") WITH 75 (3") DEEP SEAL TRAPS + ENTER S+V.P. ABOVE, OR MIN 200 (8") BELOW SOIL CONNECTION, OR INTO BACK INLET/BOTTLE GULLY AT GROUND LEVEL. VENT PIPE TO EXTEND 900 (3'0") ABOVE UPPER WINDOW LEVEL. I.C. COVERS TO BE AIRTIGHT.

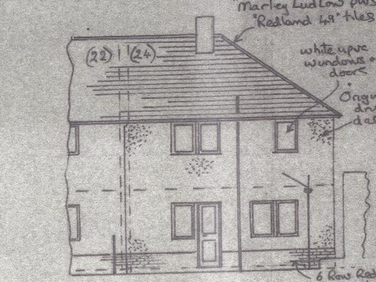
SECTION BB



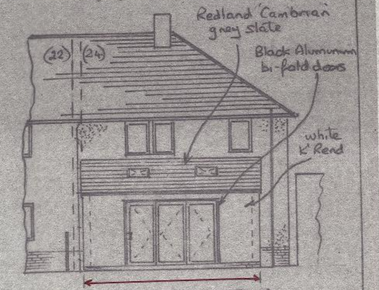
PROPOSED GROUND FLOOR

SCALE 1:50

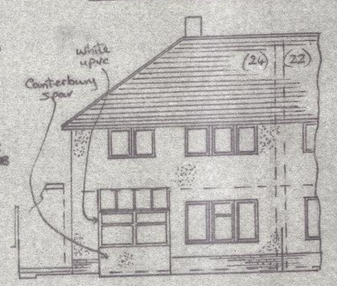
1) ALL TIMBER WORK TO BE TREATED WITH A PRESERVATIVE.
2) CAVITIES AROUND OPENINGS, INCLUDING LINTELS, TO BE INSULATED TO PREVENT 'COLD BRIDGING' + CLOSED WITH ½ HOUR FIRE RESISTANT MATERIAL. RETURNS TO FRAMES TO HAVE MIN 25 (1") INSULATED PLASTERBOARD
3) ALL ELECTRICAL WORK TO BE DESIGNED, INSTALLED, 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 ON COMPLETION.
4) ALL ELECTRICAL SOCKETS + SWITCHES TO BE LOCATED BETWEEN 450 + 1200 (1'6" + 3'11") ABOVE FLOOR + WIRED TOP DOWN.
5) PROVIDE INTERNAL LIGHT FITTINGS CAPABLE OF TAKING 'EFFICIENT' LAMPS. MIN 75 LUMENS PER CIRCUIT WATT. EXTERNAL LIGHTS TO BE EITHER 'EFFICIENT' AS ABOVE, OR ON A TIMER + AUTOMATICALLY EXTINGUISHED IN DAYLIGHT.
6) GLASS PANELS IN DOORS + ADJACENT TO, TO BE TOUGHENED/LAMINATED TO BS. 6206 (1981)
7) EXTERNAL DOORS TO BE MIN 838 (2'9") TO GIVE MIN CLEAR OPENING WIDTH OF 800 (2'7½"). INTERNAL DOORS TO BE MIN 806 (2'7¾") TO GIVE MIN CLEAR OPENING WIDTH OF 750 (2'5½").
8) • KITCHEN/DINER TO HAVE OPENING DOORS + ROOFLIGHTS EQUAL TO AT LEAST 1/20 COMBINED FLOOR AREA + TOTAL 24 000 mm² (38 in²) TRICKLE VENTS (3 x 8000) WITHIN BI-FOLD + ROOFLIGHT FRAMES, + 60 LITRE/SEC CAPACITY EXTRACTION FAN (30 LITRE/SEC IF COOKER HOOD), MAX 45 dbl AT NORMAL WORKING.
• UTILITY. ANY SIZE OPENING WINDOW, 4000 mm² (6 1/2 in²) TRICKLE VENTILATION, + 30 LITRE/SEC EXTRACTION FAN.
• W.C. 15 LITRE/SEC EXT'N FAN, OPERATING BY LIGHT SWITCH WITH 15 MINS OVER-RUN, + 10 mm (3/8") AIRGAP UNDER DOOR [WINDOW NON-OPENING]
9) HOMEOWNER TO BE PROVIDED WITH AN 'EXISTING HOME' VENTILATION GUIDE EXPLAINING HOW TO USE + VENTILATE EFFICIENTLY BY BUILDER PRIOR TO COMPLETION.
10) ALL DRYLINING BOARDS TO HAVE JOINTS + EDGES 'TAPE SEALED', + ALL ELECTRICAL BACKBOXES, CONDUITS ETC TO BE SEALED WITH MASTIC/FOAM TO MAINTAIN 'AIR-TIGHTNESS'. INSULATION TO BE CONTINUOUS AT JUNCTIONS OF ROOF, WALL + FLOOR.
11) ALL DRAINAGE TO BE TO THE SATISFACTION OF LOCAL AUTHORITY. EXISTING PUBLIC MAINS COMBINED SEWER SERVES.
12) A MAINS OPERATED FIRE DETECTION/ALARM SYSTEM TO BE INSTALLED, TO BS 5839-6, 2004, GRADE 'D', CATEGORY LD 3, WITH SMOKE ALARMS TO BS EN 14604, SHOWN (S) + HEAT ALARMS TO BS 5446-2, SHOWN (H), LOCATED ON CEILINGS, MIN 300 (12") FROM WALLS + LIGHT FITTINGS. ALL INTERCONNECTED SO ALL SOUND WITH DETECTION BY ANY ONE UNIT. MAINS SUPPLY TO BE A SINGLE INDEPENDANT CIRCUIT + DETECTORS TO HAVE A STANDBY POWER SUPPLY, IE. BATTERY.
13) A CARBON MONOXIDE (Co) ALARM TO BE FITTED IN UTILITY ROOM, TO BS. EN 50291-1: 2018 + HAVE A BATTERY DESIGNED TO OPERATE FOR THE WORKING LIFE OF ALARM + ALSO INCORPORATE A WARNING DEVICE TO ALERT USERS WHEN WORKING LIFE OF ALARM IS DUE TO PASS. LOCATED ON CEILING BETWEEN 1 + 3 (3'4" + 9'10") HORIZONTALLY FROM GAS BOILER + MIN 300 (12") FROM WALLS
14) A NEW MAINS GAS COMBINATION/CONDENSING BOILER TO BE LOCATED IN UTILITY ROOM, MIN 92% 'SEDBUK' (EFFICIENCY) WITH FAN ASSISTED FLUE + WIRE MESH TERMINAL GUARD, + RADIATOR SYSTEM THERMOSTATICALLY/ZONE CONTROLLED TO GIVE NOMINAL 21°C TEMP AT GROUND FLOOR + 19°C FIRST FLOOR, BY CORGI APPROVED INSTALLER.
15) OWNER/OCCUPIER TO BE SUPPLIED WITH HEATING/HOT WATER SYSTEM OPERATING MANUAL + SAME SYSTEM COMMISSIONED ON COMPLETION OF INSTALLATION.
16) CONSERVATION OF ENERGY DETAILS (PORCH EXEMPT)
U VALUE OF FLOOR - 0.18, U VALUE OF WALLS - 0.18, U VALUE OF CEILING - 0.15.
FLOOR AREA OF EXTENSION, INCLUDING EXIST WALL THICKNESS = 18.8738 m²
∴ 25% = 4.718 45 m² = 8.7685 m² (MAX NEW OPENINGS AT BASIC U VALUES)
AREA OF OPENINGS LOST DUE TO EXTENSION = 4.705 m² ∴ 5
AREA OF BI-FOLD DOOR, ALUM. FRAME, MIN 20 mm GAP P/G/TG, U VALUE 1.4 = 6.3 m²
AREA OF WINDOW, U.P.V.C. FRAME, MIN 20 mm GAP P/G, U VALUE 1.4 = 0.6 m² } 8.74 m² (OK)
AREA OF ROOF LIGHT, TIMBER FRAME, VELUX SPEC. GGL 0070, U VALUE 1.3 = 1.84 m²
17) FOR STEEL WORK, SEE DETAILS/CALC'S PROVIDED BY "GARDEN CONSULTING", THEIR JOB No
. ALL STEELWORK TO BE ENCASED BY 2 LAYERS 12.5 (½") PLASTERBOARD, JOINTS STAGGERED + SKIM, WITH 1.6 (1/16") WIRE BINDING AT 150 (6") CRS.



EXISTING NORTH ELEVATION



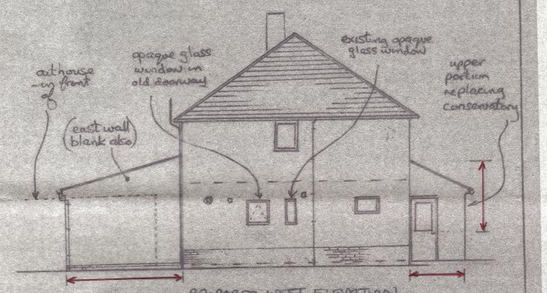
PROPOSED NORTH ELEVATION



EXISTING SOUTH ELEVATION

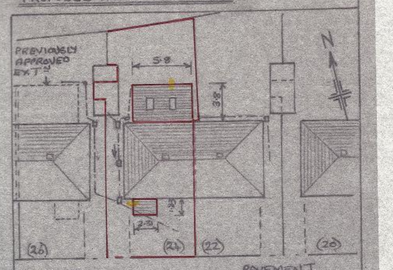
PROPOSED SOUTH ELEVATION

A) ROOF COVERING TO BE 'REDLAND CAMBRIAN' SLATE, GREY TO DINER EXTENSION, + 'MARLEY LUDLOW PLUS'/'REDLAND 49' TO PORCH EXTENSION - TO MATCH MAIN ROOF.
B) EXTERNAL WALL FINISH TO BE WHITE 'K' RENDS TO EXTENSIONS (BOTH) 2 ROW RED BRICK UP TO D.P.C./FLOOR LEVEL TO REAR.
C) NEW WINDOWS + DOOR TO BE BLACK U.P.V.C., ALUMINIUM BI-FOLD DOOR SET TO ALSO BE BLACK.
D) ROOFLIGHTS TO BE GREY FINISH.

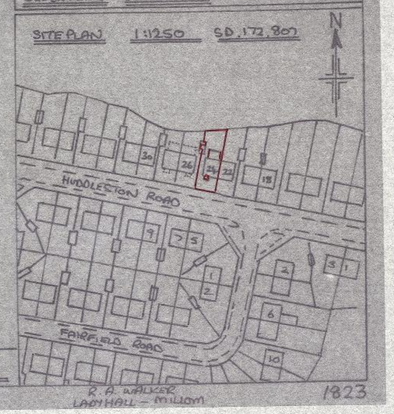


SCALE 1:100

PROPOSED WEST ELEVATION



BLOCK PLAN SCALE 1:500



SITE PLAN 1:1250 SD 172 807

PROPOSED EXTENSIONS AT 24 HUDDLESTON Rd, MILLOM, CUMBRIA FOR MR W. G. LOVELL

19-7-24

R. A. WALKER LADYHALL - MILLOM

1823