

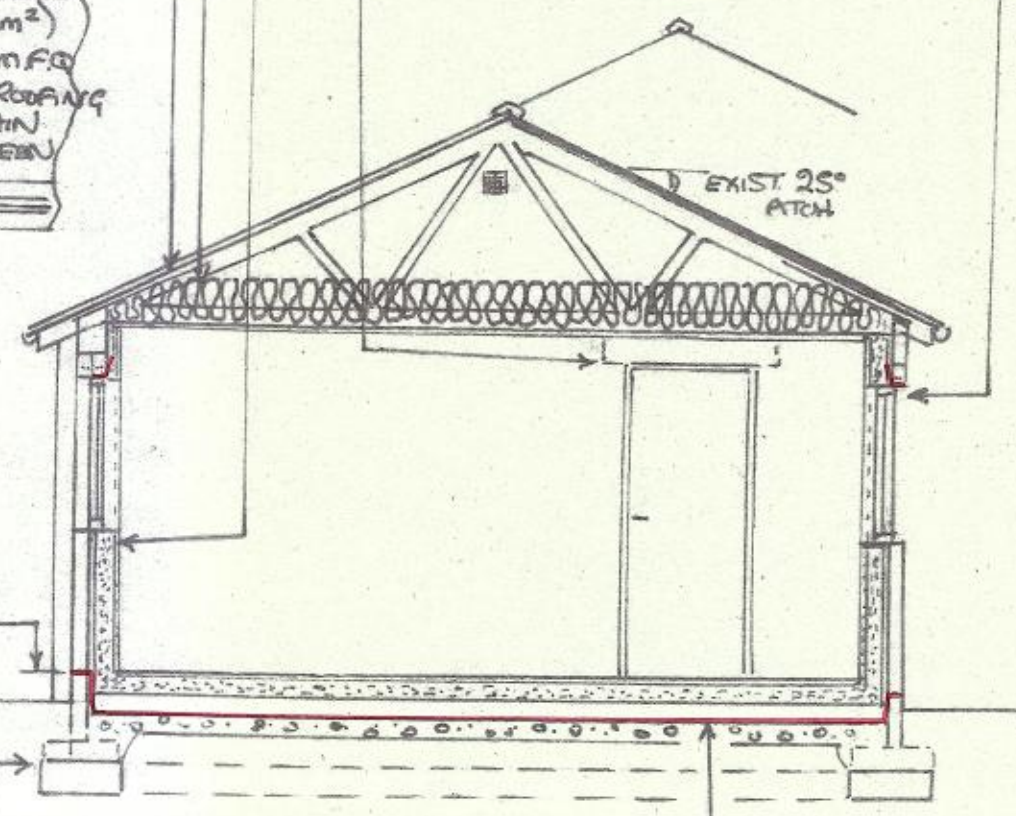
500 GAUGE VAPOUR BARRIER + 12.5(1/2) P/B + SKIM CEILING, 100(4) MINERAL FIBRE QUIET BETWEEN JOISTS + 200(8) OVERALL. U VALUE 0.15, PROVIDE INSULATION, DRAUGHT SEALED ACCESS OPENING AS REQD

10(3/8) AIR GAP, CONTINUOUS ALONG EAVES, - FIT FLYSCREENS, IF FELT NOT BREATHABLE PROVIDE 225(9) SQ AIRBRICK HIGH IN GABLE

EXISTING 100(4) CONC BLOCK WALLS, LINE WITH 100X50(4X2) STUD AT 400(16) CRS, WITH SQ(2) AIR GAP BEHIND, 'ALCON' WALL TIES SPB AT 900(36) CRS TO EXIST WALL, 100(4) KINGSPAN 'K8' BETWEEN STUDDING, 500 GAUGE VAPOUR BARRIER + 20(7/4) BRICKED 125(1/2) P/B (KIT) + SKIM INTERNAL. U VALUE 0.18. (ONLY KIT + 40 K8 IN WAY OF SMALL WALLS, + WINDOW RETURNS - U VALUE 0.3)

150(6) DEEP R.C. LINTELS TO NEW DOOR OPENING, 1/2 HOUR FIRE RESISTANT CANTY CLOSERS, MIN 2.0(8'6) H/R ABOVE NEW CONVERSION FLOOR.

SCALE 1:50

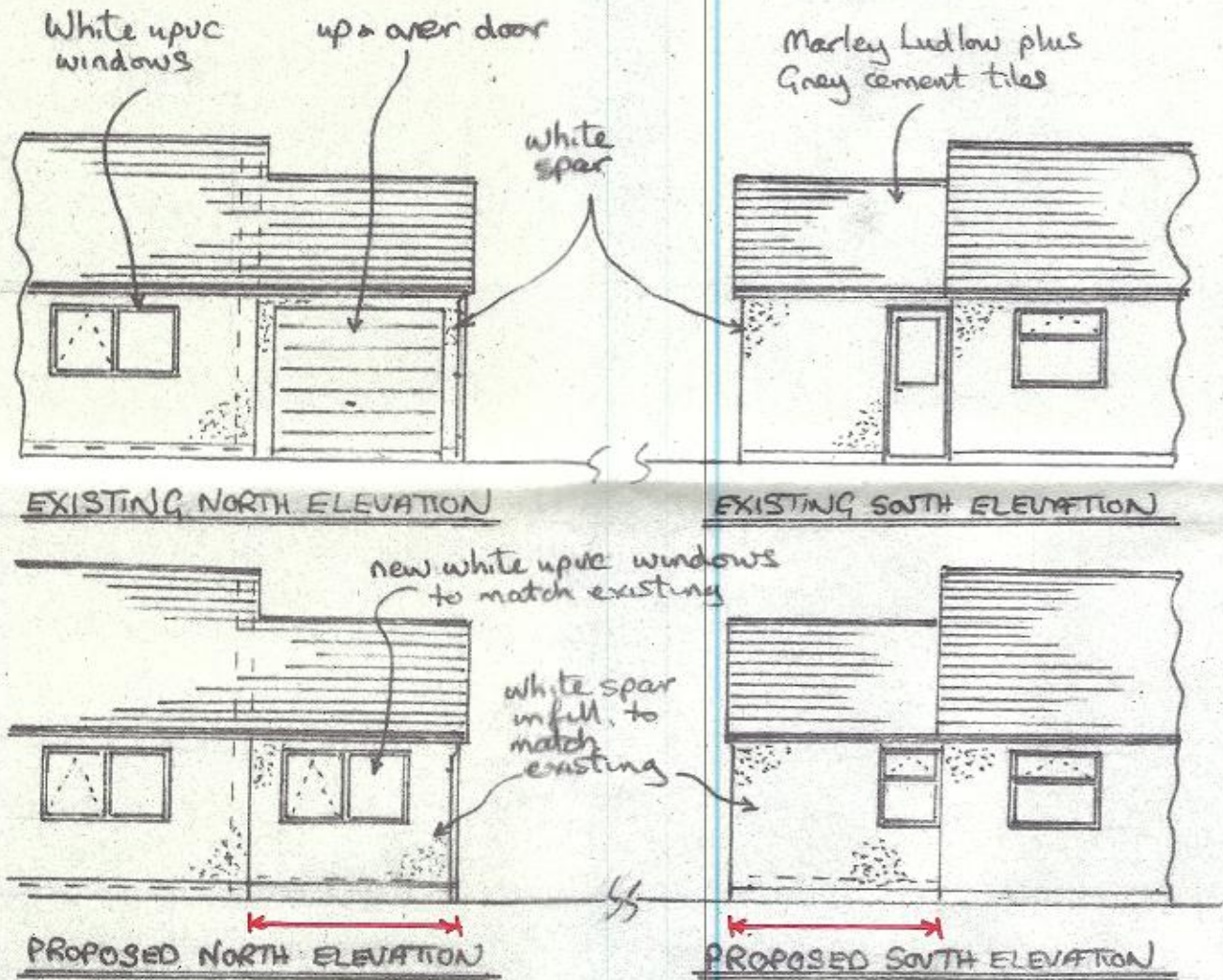


EXPOSE WITHIN EXIST DOORWAYS, IF NO BASE WALL - PROVIDE MIN 450 X 150 (1'6x6') CONC STRIP FOUND'S STEPPED ONTO EXIST FOUND'S. 100(4) CONC BLOCK INFILL, TIED INTO EXIST WITH 'CROCODILE' S/S PLATES + SCREWS, + DRYLINED AS REMAINDER.

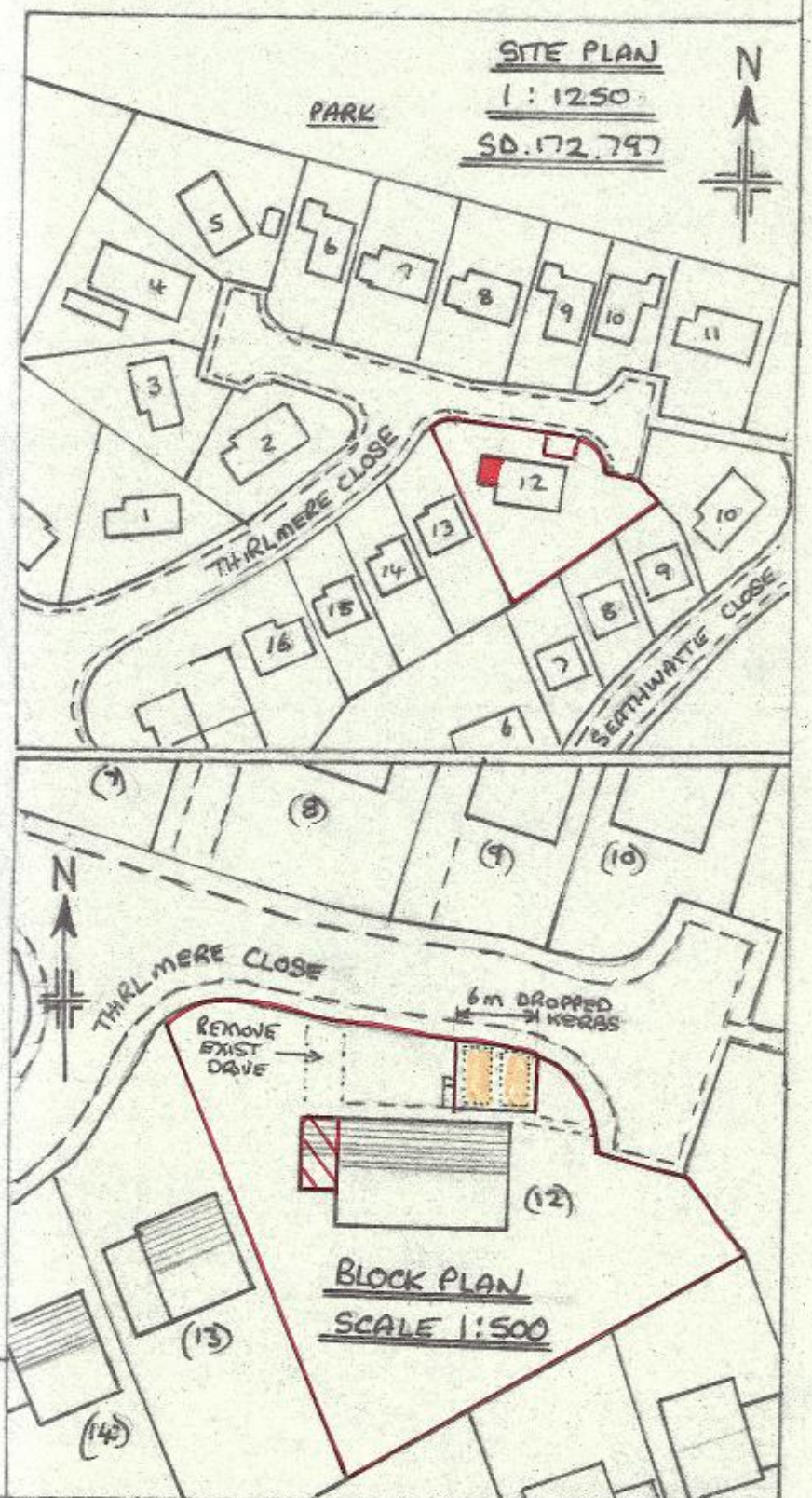
EXISTING CONC FLOOR INCLUDING D.P.M., 100(4) KINGSPAN K3 INSULATION + 22(1/8) TO G FLOOR GRADE CHIPBOARD (COMPOSITE OR LOOSE LAY) U VALUE 0.18.

ENSURE INSULATION CONTINUOUS AT JUNCTIONS OF FLOOR, WALLS + CEILING.

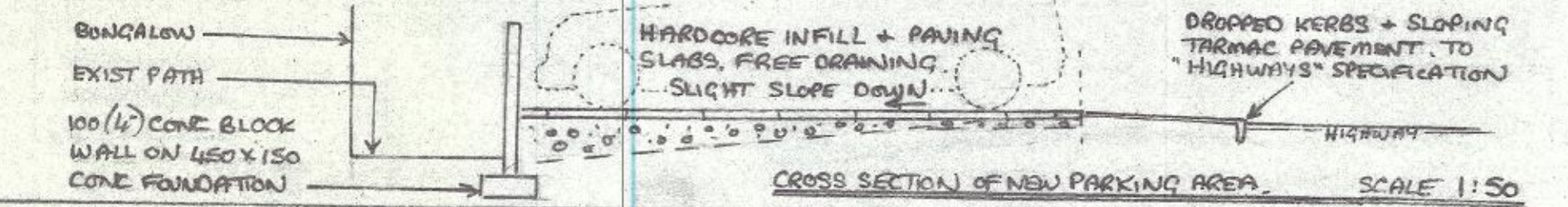
SECTION AA



SCALE 1:100



- EXTERNAL WALL FINISH TO BE WHITE SPAR TO MATCH EXISTING
- WINDOWS TO BE WHITE UPVC TO MATCH EXISTING
- ALL TIMBERWORK TO BE TREATED WITH A PRESERVATIVE
- WINDOWS TO BE DRAUGHT SEALED, FRAMES SEALED INTO WALLS WITH MASTIC + BE OF 'SECURE DESIGN' TO BS. PAS 24, 2012, OR EQUIVALENT. RETURNS TO BE INSULATED TO PREVENT 'COLD BRIDGING'
- ALL ELECTRICAL SOCKETS + SWITCHES TO BE LOCATED BETWEEN 450 + 1200 (1'6" + 3'11") ABOVE FLOOR.
- 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.
- PROVIDE INTERNAL LIGHT FITTINGS CAPABLE OF TAKING 'EFFICIENT' LAMPS, MIN 75 LUMENS PER CIRCUIT WATT.
- REINFORCING TO CONCRETE LINTELS TO BE MIN 2 OFF M.S. BARS IN LOWER PORTION.
- SPACE HEATING TO BE PROVIDED BY EXIST GAS BOILER, + RADIATOR SYSTEM EXTENDED
- BEDROOM 4 TO HAVE OPENING WINDOWS EQUAL TO AT LEAST 1/20 FLOOR AREA + 2 OFF 8000mm² (13m²) TRICKLE VENTS. HOME OWNER PROVIDED WITH EXIST HOME VENTILATION GUIDE BY BUILDER PRIOR TO COMPLETION.
- CONSERVATION OF ENERGY DETAILS (CONVERSION)
 U VALUE OF WALLS... 0.18, (+ 0.3 PILLARS). U VALUE OF FLOOR... 0.18, U VALUE OF CEILING... 0.15
 INTERNAL FLOOR AREA OF CONVERSION = 12.8m², ± 25% = 3.2m² (MAX NEW OPENINGS AT BASIC U VALUES)
 AREA OF WINDOWS, UPVC, MIN 20mm GAP D/G, EQ SYSTEM 3, 1.1 NEUTRAL LAW'E, U VALUE 1/4 = 2.58m² (6K)
- A MAINS OPERATED FIRE DETECTION/ALARM SYSTEM TO BE INSTALLED TO BS 5839-6, 2006, GRADE 'D' CATEGORY LO 3, WITH SMOKE ALARMS TO BS EN 14604, (S) AT EACH END OF HALLWAY, LOCATED ON CEILING'S MIN 300(12) FROM WALLS + LIGHT FITTINGS + WITH SENSORS BETWEEN 25 + 600 (1" + 2'0") BELOW CEILING'S. 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, EQ BATTERY.
- BED 4 TO HAVE AN OPENING WINDOW PANEL WITH A MIN 'CLEAR OPENING' AREA OF 0.33m², + A MIN 'CLEAR OPENING' DIMENSION OF 450(18") IN ANY DIRECTION, EQ 150X750 (1'6" X 2'6") AS ALTERNATIVE MEANS OF ESCAPE IN CASE OF FIRE, WITH BOTTOM OF OPENING NO MORE THAN 1100 (3'7/4) OFF FLOOR.



CROSS SECTION OF NEW PARKING AREA. SCALE 1:50

PROPOSED GARAGE CONVERSION, & OFF ROAD PARKING, AT 12 THIRLMERE CLOSE, MILLOM CUMBRIA FOR MRS C. MILLS.