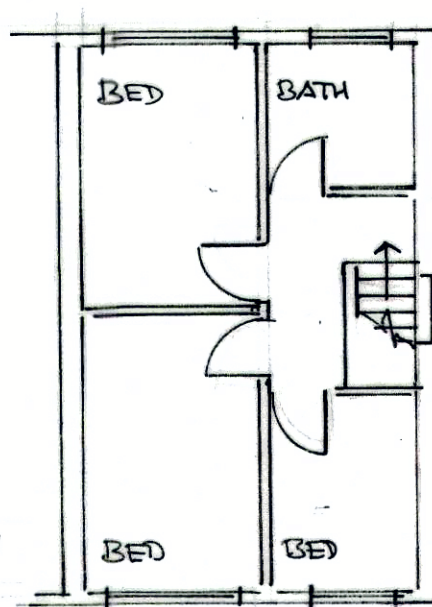
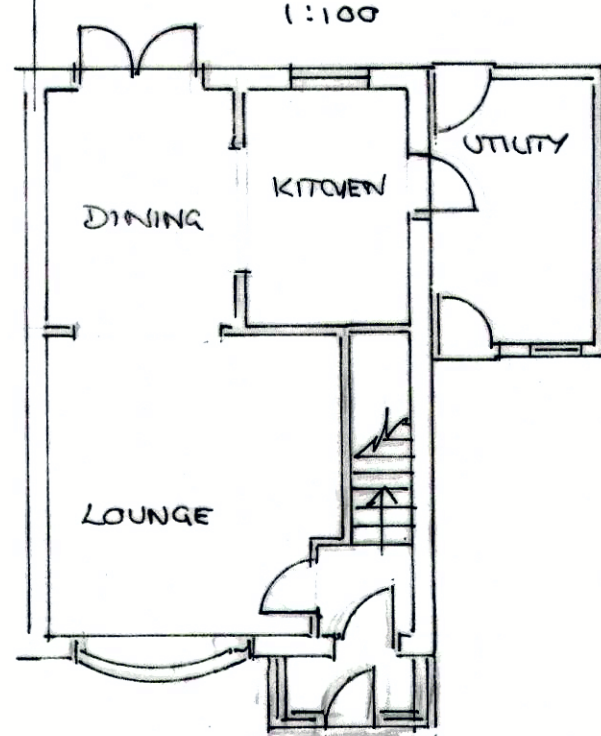


FIRST FLOOR
1:100



GROUND FLOOR
1:100

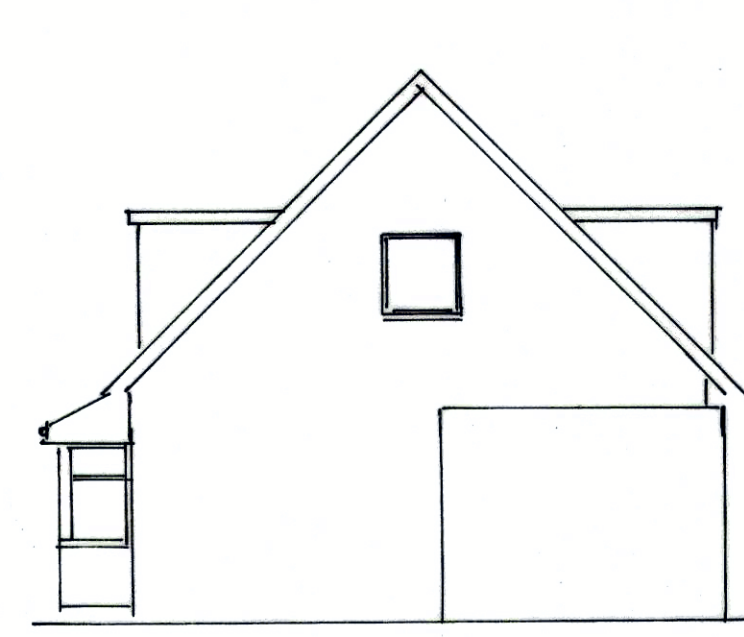


EXISTING 1:100

FRONT ELEVATION



SIDE ELEVATION



REAR ELEVATION

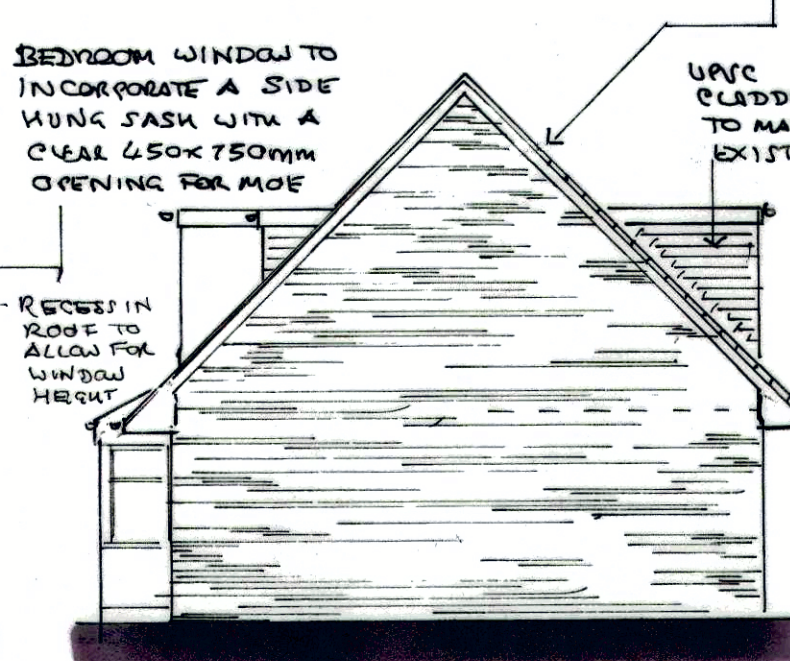


PROPOSED 1:100

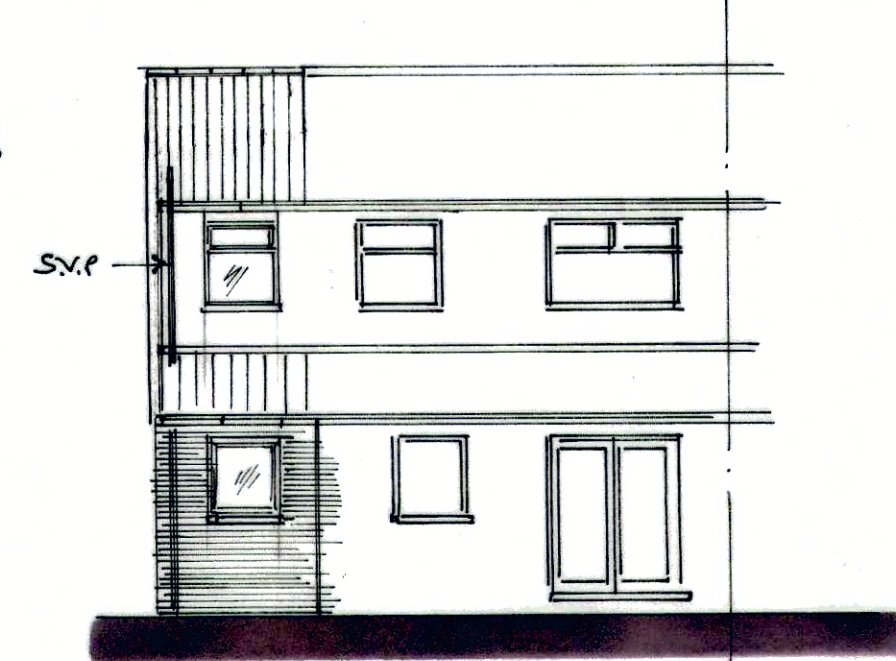
FRONT ELEVATION



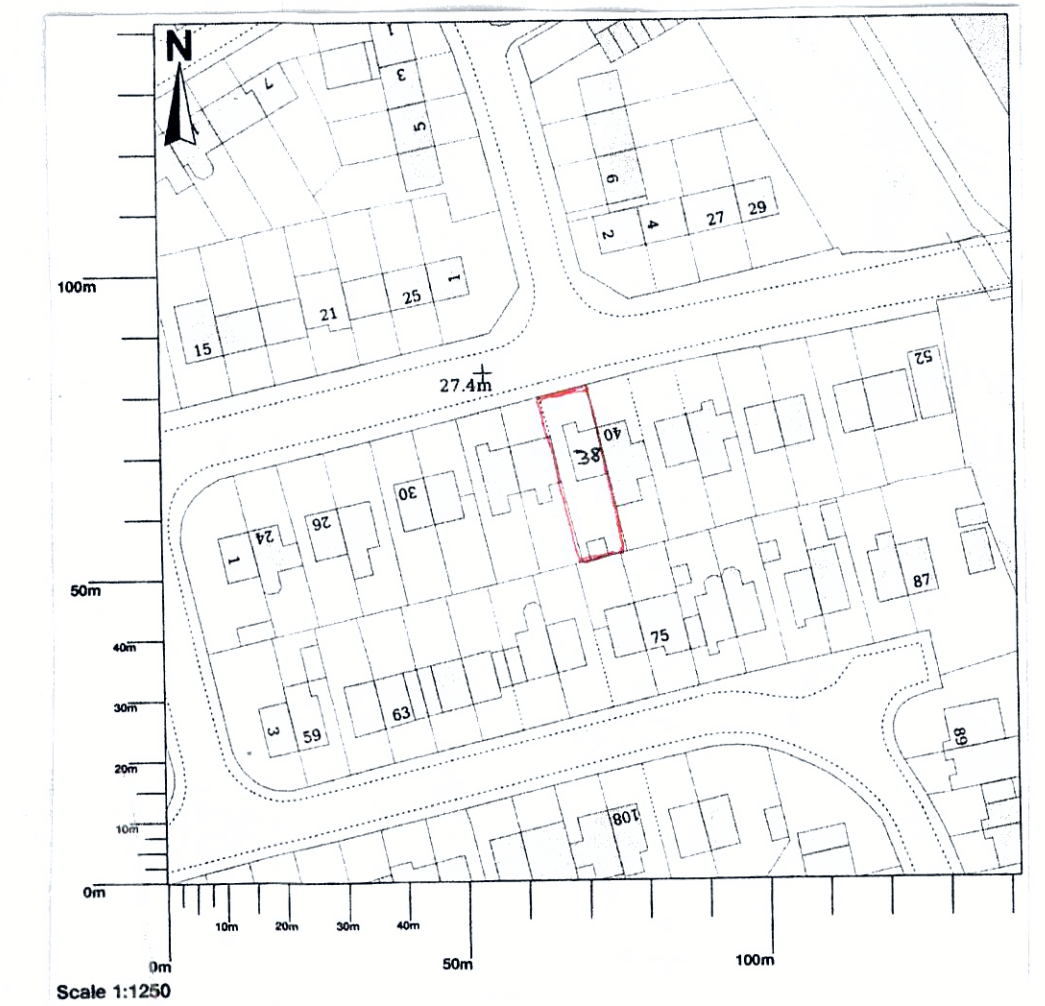
SIDE ELEVATION



REAR ELEVATION



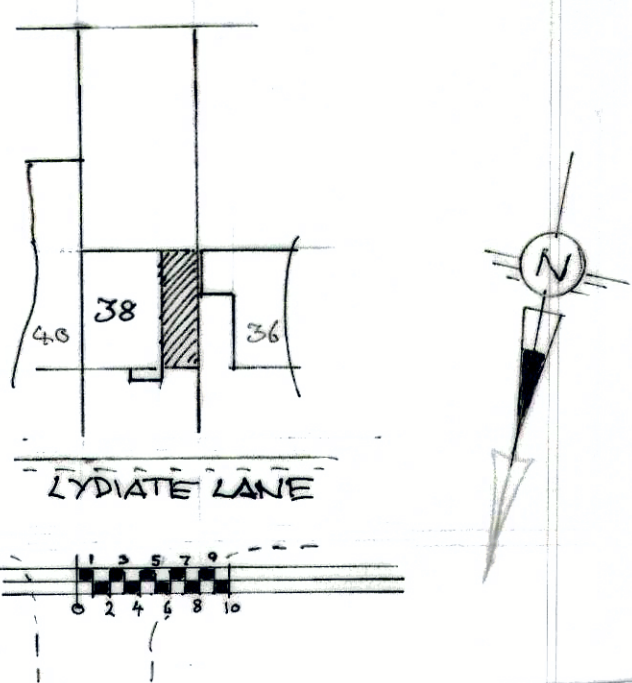
LOCATION PLAN 1:1250



STEEL CHECK

A) 203x102mm UB SPAN 2800
LOADS: Floor 1.1x2.8x2.5 = 7.7 (W)
BM W_{1/8} = 2.7 kNm
Z_{pl} M_{pl}/b_z = 16 cm³ ✓ S_p 360 = 7.7 mm
S_a S_{UL} = 2.2 = 0.5 mm ✓
384.5 ET
B) 203x102mm UB SPAN 2800
LOADS: POINT LOAD FROM RST P = 1x1.1x2.0 = 2.2
1x2.0x2.0 = 1.0
3.2
W_{1/8} = 2.3 mm ✓
Z_{pl} M_{pl}/b_z = 23 cm³ ✓
S_a S_{UL} = 4.98 = 1.1 mm ✓
48.5 ET
C) 178x102mm R.S.J. SPAN 2200
LOADS: ROOF 1.4x2.2x2.0 = 6.16
RST 0.5x2.2x2.0 = 2.2
BM W_{1/8} = 2.3 kNm W 8.36 S_p 360 = 6.1
Z_{pl} M_{pl}/b_z = 14 cm³ ✓ S_a S_{UL} = 1.16 = 0.4 mm ✓
384.5 ET

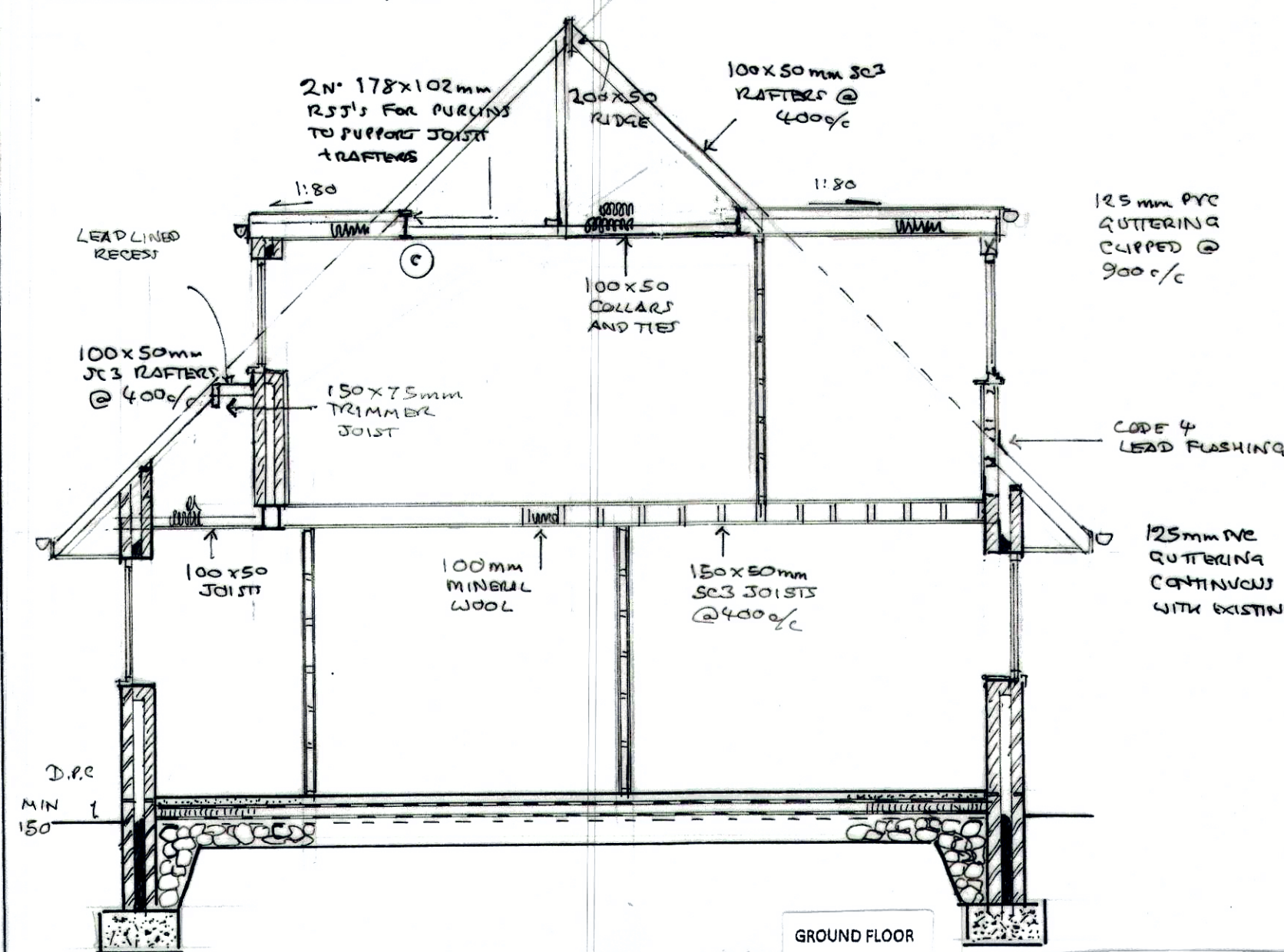
SITE PLAN
1:500



ROOF COVERING

SELECTED MATCHING ROOF TILES/SLATES NAILED TO TREATED S.W. BATTENS WITH LAP TO SUIT ROOF PITCH IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS OVER 'TYVEK' BREATHABLE SARKING FELT LAID OVER RAFTERS AT 300MM FIBREGLASS QUILT INSULATION OVER AND BETWEEN JOISTS ON 9MM PB AND SKIM CEILING.

SECTION 1:50



FOUNDATIONS
TWO LEAVES BRICKWORK BELOW D.P.C. LEVEL WITH CONCRETE CAVITY FILL UP TO 225MM BELOW D.P.C. LEVEL STRIP CONCRETE FOOTINGS MINIMUM 600MM X 200MM THICK AT LEAST 1000MM DEEP BEARING ON FIRM CLAY SUBSTRATA, OVERALL SIZE AND DEPTH TO SUIT GROUND CONDITIONS IN AGREEMENT WITH THE B.C.O./A.I.

WINDOWS

ALL NEW WINDOWS AND ROOF LIGHTS IN U.P.V.C OR H.W. FRAMES TO HAVE 20MM SEALED DOUBLE GLAZED UNITS INCORPORATING LOW EMISSIVITY 'K' GLASS TO ACHIEVE A MAXIMUM 1.4W/M² K VALUE.

VENTILATION

ALL HABITABLE ROOMS TO HAVE AT LEAST 8000MM³ BACKGROUND VENTILATION PROVIDED THROUGH TRICKLE VENTILATORS BUILT INTO WINDOW FRAMES OR 2 NO 225 X 150MM AIR BRICKS WITH LOUVRED CONTROLLABLE PLASTER VENTS. AT LEAST 4000MM³ BACKGROUND VENTILATION TO BE PROVIDED TO KITCHENS, BATHROOMS AND UTILITY ROOMS. WINDOW FRAMES TO INCORPORATE OPENING VENTS EQUIVALENT TO AT LEAST 5% OF THE FLOOR AREA OF THE ROOM SERVED.

WALL CONSTRUCTION

TWO COAT SAND CEMENT RENDER TO MATCH EXISTING ON 100MM CONCRETE BLOCKWORK OR SELECTED FACING BRICK OUTER LEAF 100MM CAVITY WITH ROCKWOOL INSULATION BATS FULL FILL 100MM CONCRETE BLOCKWORK. INNER LEAF WITH TWO COAT PLASTER FINISH TO GIVE A MAXIMUM 0.28 U' VALUE. STAINLESS STEEL CAVITY TIES TO BE PROVIDED AT 450 + 750MM CENTRES AND AT 300MM CENTRES AROUND ALL OPENINGS. INSULATED 'THERMABATE' OR SIMILAR CAVITY CLOSERS WITH INSULATED CATNIO OR I.G. PROPRIETARY GALV. STEEL UNITS TO BE PROVIDED OVER ALL CAVITY WALL OPENINGS WITH A MINIMUM 150MM END BEARING. TIMBER STUD PARTITIONS 75 X 50MM STUDDING WITH MINERAL WOOL INFILL AND 12MM PB AND SKIM BOTH SIDES.

FIRST FLOOR CONSTRUCTION

MOISTURE RESISTANT 22MM T&G BOARDING NAILED TO FLOOR JOISTS AS SPECIFIED WITH STRUTTING AT 1/2 SPAN 30 X 5 MM GALV. M.S. RESTRAINT STRAPS TO BE PROVIDED AT 1.8M CENTRES TO JOISTS PARALLEL TO WALLS FIXED TO AT LEAST 3 NO. JOISTS DOUBLE JOISTS TO BE BOLTED TOGETHER AT 600 C/C PLACED UNDER PARTITIONS FOR SUPPORT. 12MM PLASTERBOARD AND SKIM CEILING.

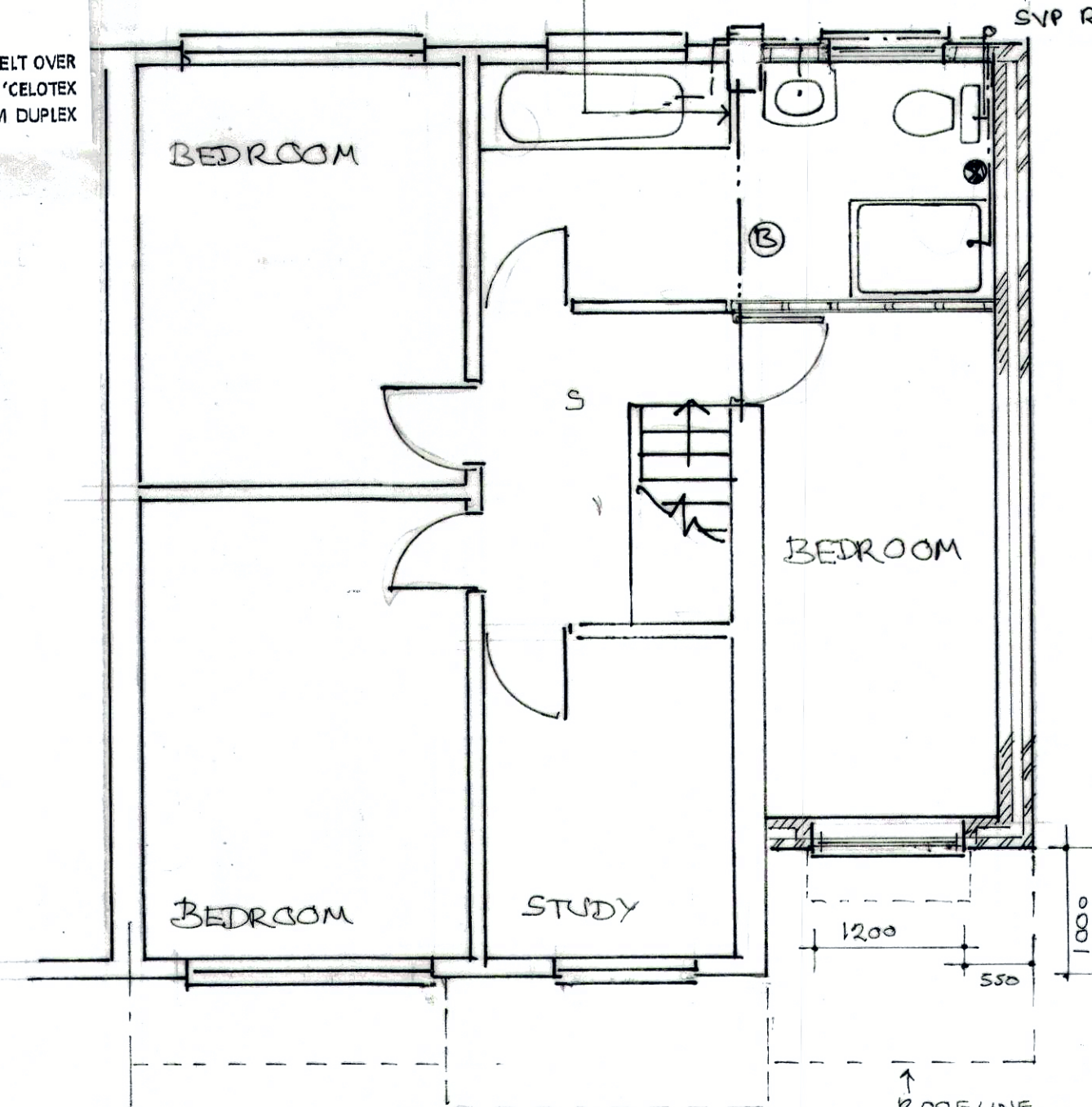
DORMER ROOF

G.R.P. COVERING ON 15MM PLY ON TAPERED FIRTINGS OVER 200X50MM SC3 JOISTS AT 400/C. 50MM KINGSPAN THERMOPIR TRIO BETWEEN JOISTS AND 40MM TPI10 TO U/SIDE WITH 12MM PB CEILING

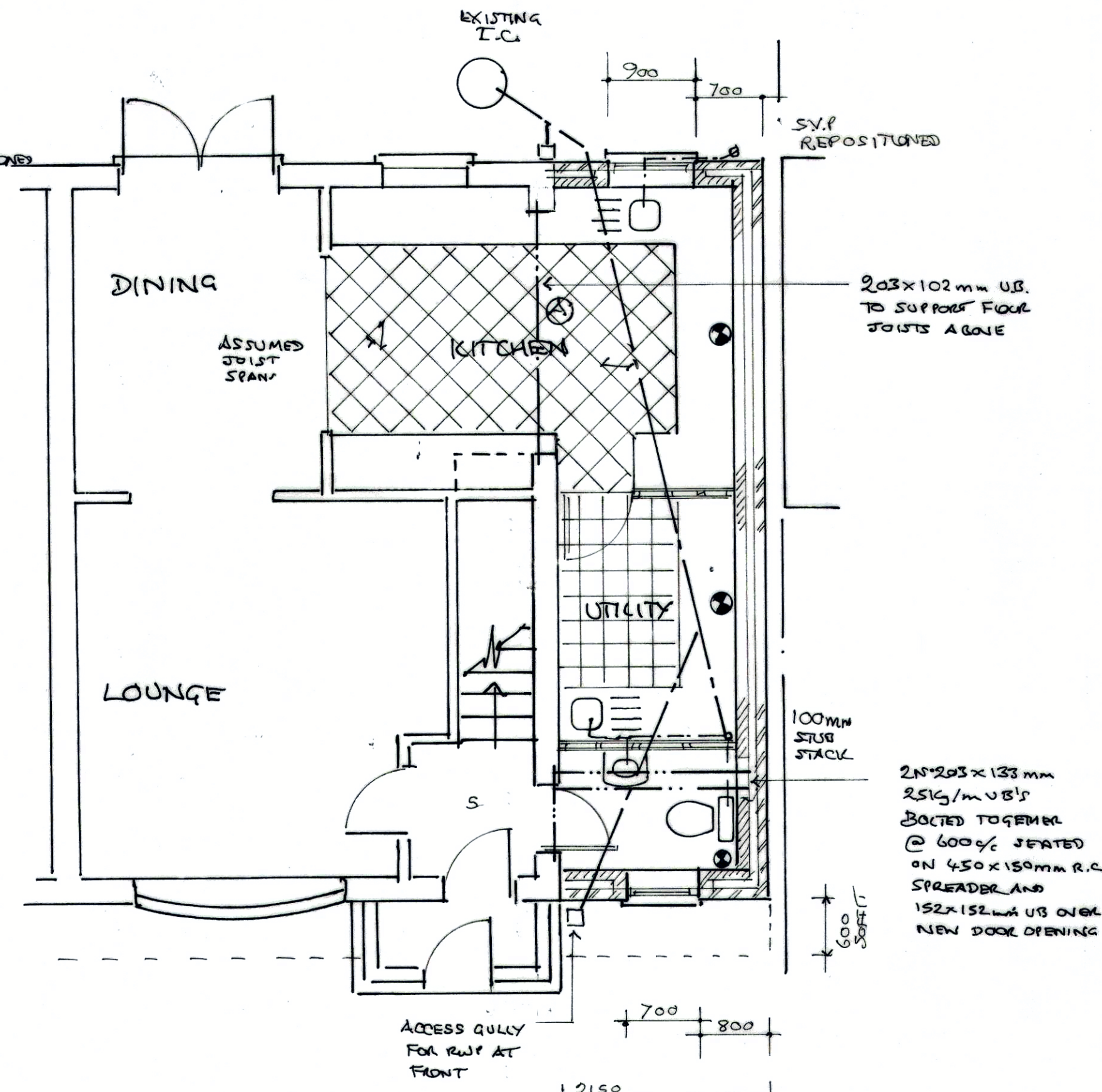
DORMER WALL CONSTRUCTION

VERTICAL TILE CLADDING NAILED TO TREATED S.W. BATTENS OVER SARKING FELT OVER 15MM MARINE PLY FIXED TO 100 X 50MM TIMBER STUDDING AT 400/C. 80MM 'CELOTEX' DOUBLE 'RIGID' E.P.S. INSULATION BOARD BETWEEN STUDDING WITH 12MM DUPLEX BOARD + SKIM INSIDE FACE.

FOR 0.18 W/M² K' VALUE
CAVITY TO HAVE DITHERM 32
ULTIMATE INSULATION. INNER
LEAF 100MM CELOTEX SOLAR
BLOCK WITH 32.5mm
CYTAC OR KINGSPAN
THERMAL BOARD



FIRST FLOOR PLAN 1:50



GROUND FLOOR PLAN 1:50

MECHANICAL VENTILATION

ALL BATHROOMS AND SHOWER ROOMS TO BE FITTED WITH A MECHANICAL EXTRACT FAN CAPABLE OF AT LEAST 15 LITRES/SECOND EXTRACT RATE. KITCHENS TO HAVE EITHER A MECHANICAL EXTRACT FAN CAPABLE OF 60 LITRES/SECOND OR A COOKER HOOD CAPABLE OF 30/L. MECHANICAL EXTRACT FANS SERVING WINDOWLESS BATHROOM/SHOWER ROOMS/M.C. CUBICLES TO PROVIDE AT LEAST 8 AIR CHANGES PER HOUR WITH A 15 MINUTE OVER RUN FACILITY.

DRAINAGE

ALL NEW DRAINS TO BE LAID USING 100MM DIAMETER HEPSELEVE OR U.P.V.C. PIPES AT 1:40 MINIMUM SELF-CLEANING GRADIENT. DRAINS UNDER BUILDING AND WITHIN 1M OF FOUNDATIONS TO BE ENCASED IN CONCRETE SURROUND. DRAINS PASSING THROUGH FOUNDATIONS TO BE BRIDGED OVER WITH P.C.C. LINTOLS AND ROCKER PIPE USED EITHER SIDE OF WALL. 100MM DIAMETER S.V.P.'S TO RECEIVE UPPER FLOOR FITTINGS WITH WIRE BIRD CAGE TERMINAL AT LEAST 900MM ABOVE THE HIGHEST WINDOW VENT OPENING AND ABOVE ROOF LEVEL. ALL NEW SANITARY FITTINGS TO HAVE ANTI VAC TRAPS WITH WASTES CONNECTED SEPARATELY INTO SOIL STACKS. ALL WASTES TO BE MADE ACCESSIBLE.

GENERAL NOTES

ALL DIMENSIONS INCLUDING ROOF PITCHES TO BE CHECKED BY CONTRACTOR BEFORE WORK COMMENCES. ALL WORK TO COMPLY WITH CURRENT BUILDING REGULATIONS AND CARRIED OUT TO THE COMPLETE SATISFACTION OF THE DISTRICT B.C.O. ALL TIMBER TO BE TREATED WITH PRESERVATIVE. ALL NEW STEELWORK TO BE ENCASED IN 12MM GYPSUM 'FIRELINE' BOARD FOR 30 MINUTES FIRE PROTECTION. ALL GALV. LINTOLS TO BE INSULATED AND ENCASED WITH 12MM PLASTERBOARD AND SKIMFOR 30 MINUTES FIRE PROTECTION. ALL ELECTRICAL WORK TO BE UNDERTAKEN BY NICEIC APPROVED CONTRACTOR WITH AN INSTALLATION CERTIFICATE TO BE PROVIDED ON COMPLETION. ALL NEW RADIATORS TO BE FITTED WITH THERMOSTATIC VALVES AND CH. BOILERS TO BE REPLACED IF NECESSARY WITH CONDENSING TYPE BOILERS AND INSTALLED BY A CORGI REGISTERED CONTRACTOR. TOUGHENED OR LAMINATED SAFETY GLASS TO BE USED IN ALL CRITICAL LOCATIONS.

CLIENT
MR. S. HUGHES

SCHEME
TWO STOREY
EXTENSION AT SIDE

ADDRESS
38 LYDIATE LANE
HALEWOOD
L25 9RZ

DRAWING TITLE NUMBER REVISION
SL 01 A

DATE JULY 2022 SCALES 1:50 1:100

