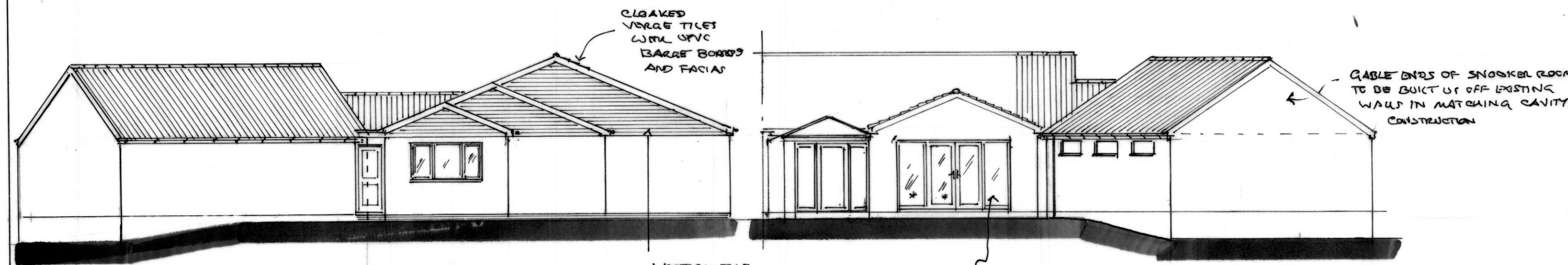


SIDE ELEVATION ①

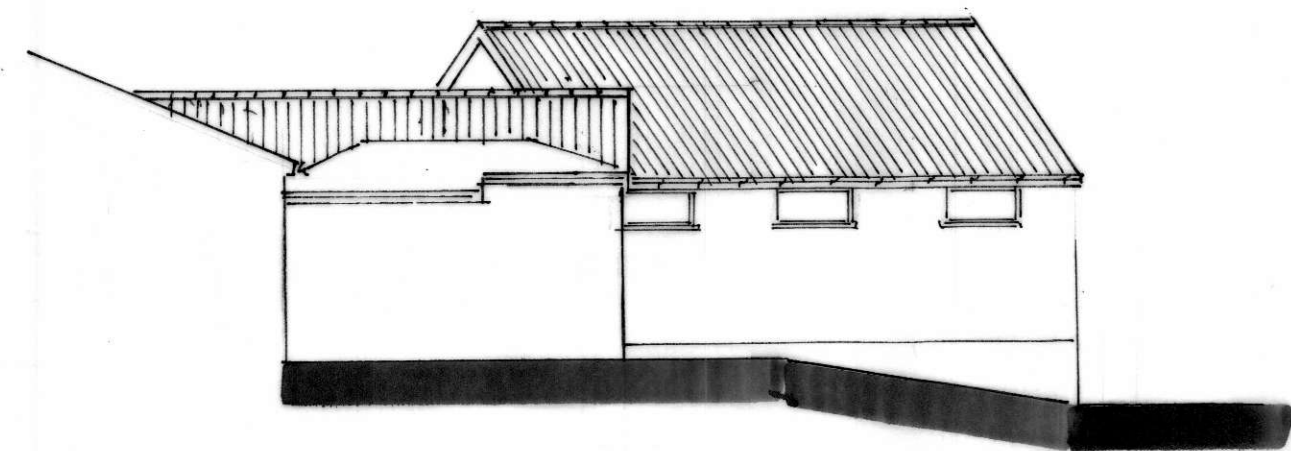
REAR ELEVATION

FRONT ELEVATION

LOCATION PLAN



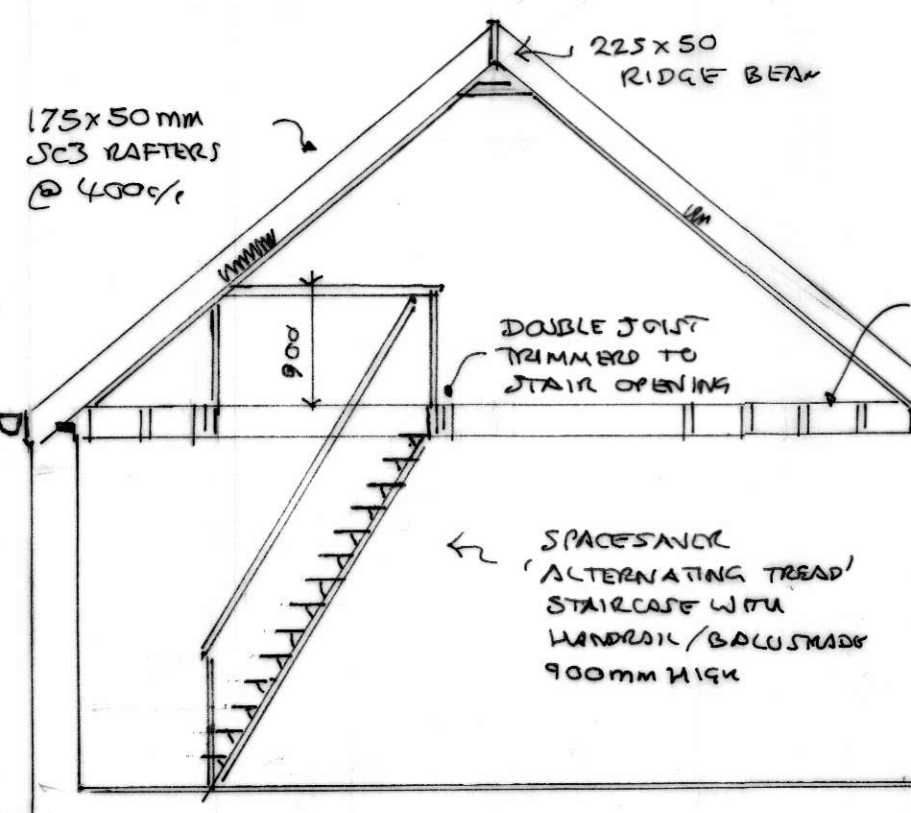
SIDE ELEVATION ③



SECTIONS

ROOF CONSTRUCTION

175x50mm SC3 RAFTERS AT 400mm C/C 150mm KINGSPAN E.P.S. INSULATION BETWEEN RAFTERS ON 16mm PLY FIXED TO U/SIDE WITH 9mm PB CEILING. ENDS OF RAFTERS TO BE BIRD-MOUTHED ONTO WALL PLATES END RAFTERS TO BE RAWL BOLTED TO GABLE END MASONRY AT 600C/C.



WALL CONSTRUCTION

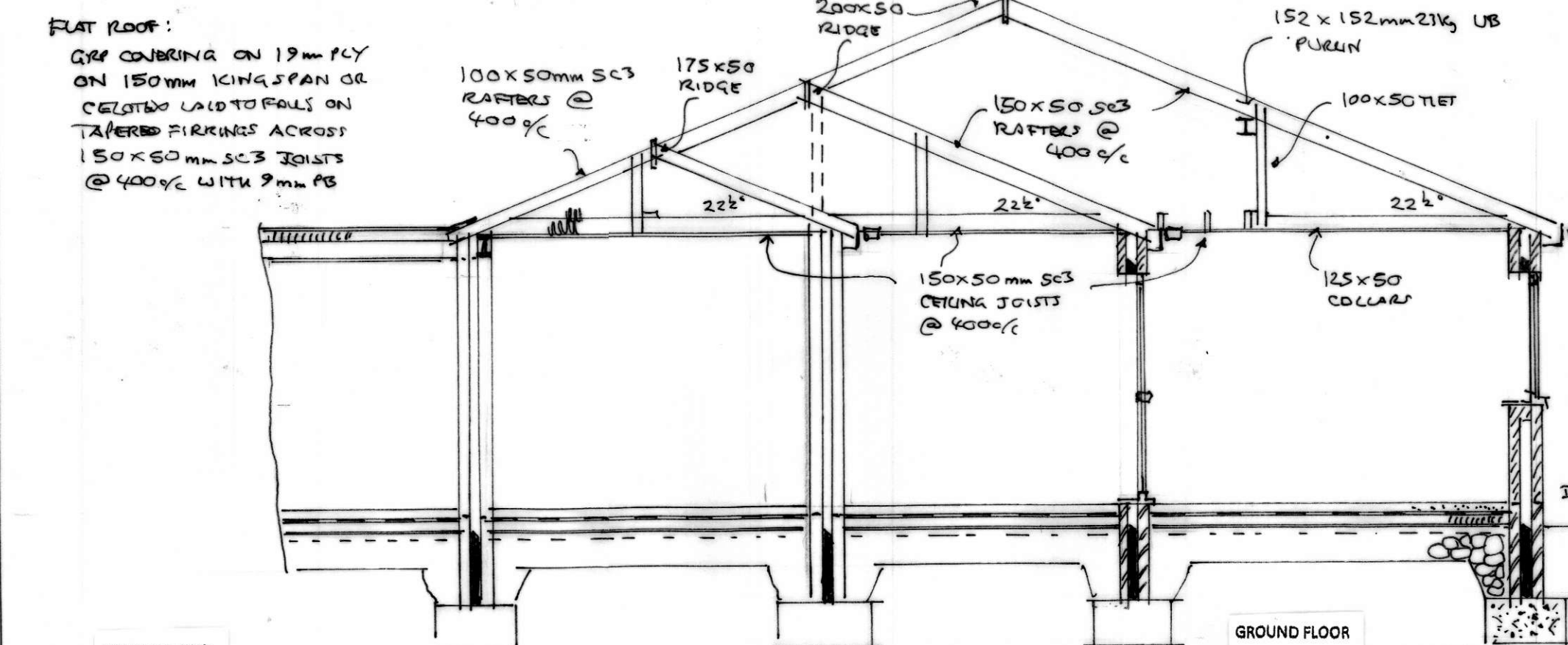
TWO COAT SAND CEMENT RENDER TO MATCH EXISTING ON 100mm CONCRETE BLOCKWORK OR SELECTED FACING BRICK OUTER LEAF 100mm CAVITY WITH ROCKWOOL INSULATION BATS FULL FILL 100mm CONCRETE BLOCKWORK. INNER LEAF WITH TWO COAT PLASTER FINISH TO GIVE A MAXIMUM 0.28 U VALUE. STAINLESS STEEL CAVITY TIES TO BE PROVIDED AT 450 + 750mm CENTRES AND AT 300mm CENTRES AROUND ALL OPENINGS. INSULATED 'THERMABATE' OR SIMILAR CAVITY CLOSERS WITH INSULATED CATNIC OR I.G. PROPRIETARY GALV. STEEL LINTOLS TO BE PROVIDED OVER ALL CAVITY WALL OPENINGS WITH A MINIMUM 150mm END BEARING. TIMBER STUD PARTITIONS 75x50mm STUDDING WITH MINERAL WOOL INFILL AND 12mm PB AND SKIM BOTH SIDES.

FIRST FLOOR CONSTRUCTION

MOISTURE RESISTANT 21mm T&G BOARDING NAILED TO FLOOR JOISTS AS SPECIFIED WITH STRUTTING AT 1/2 SPAN 30x5mm 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.

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 AS SPECIFIED. 300mm FIBREGLASS QUILT INSULATION OVER AND BETWEEN JOISTS ON 9mm PB AND SKIM CEILING.



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 ONTO FIRM CLAY SUB STRATA. OVERALL SIZE AND DEPTH TO SUIT GROUND CONDITIONS IN AGREEMENT WITH THE B.C.O./A.I.

GROUND FLOOR

100mm CONCRETE SLAB WITH SELF LEVELLING SCREED AND FINISH TO CLIENT'S CHOICE ON 120mm 'CELOTEX' ON 1200 G VISQUEEN DPM ON 50mm SAND BLINDING OVER 150mm WELL CONSOLIDATED BRICK HARDCORE. INSULATION BOARD TO BE TURNED UP AT EDGE OF SLAB, D.P.C. AND D.P.M. TO BE LAPPED AND BONDED.

RELAY DRAINAGE SYSTEM AT JUNCTION TO EXISTING SYSTEM AT FRONT

UPPER ACCESS CHAMBER BED AND SURROUND IN CONCRETE WITH STEEL CONCRETE AND FRAME

152x152mm 27kg UB PURLIN
SPAN 5000
LOADS: ROOF 1.3 x 5 x 2.0 = 13.0
ROOF 1.3 x 5 x 2.0 = 13.0
W 2.6 KN
BM W/8 = 16.25 KNm
Z_{pl} W/8 = 78 cm³ S_p 7/8 13.9
S_a S_{pl} = 4.23
S_{pl} = 9.0mm

GROUND FLOOR PLAN

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 225x150mm 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.

ROOF OVER LOUNGE WITH 150x50mm SC3 RAFTERS AND 3011T @ 400C/C WITH 200x50mm RIDGE, 225x25mm U/P VENT OVER EXISTING MAIN HOUSE ROOF TO RECEIVE NEW RAFTERS

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 30L/S. MECHANICAL EXTRACT FANS SERVING WINDOWLESS BATHROOM/SHOWER ROOMS/W.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 HERPSELE 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 12M 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 C.H. 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

MRS. JONES

SCHEME

SINGLE STOREY EXTENSIONS AT SIDE AND REAR AND NEW PITCHED ROOF TO SNOOKER ROOM

ADDRESS

31 MELING WAY
KIRKBY
L32 1TN

DRAWING TITLE

NUMBER

REVISION

M001

DATE

FEBRUARY 2021

SCALES

1:50
1:100