

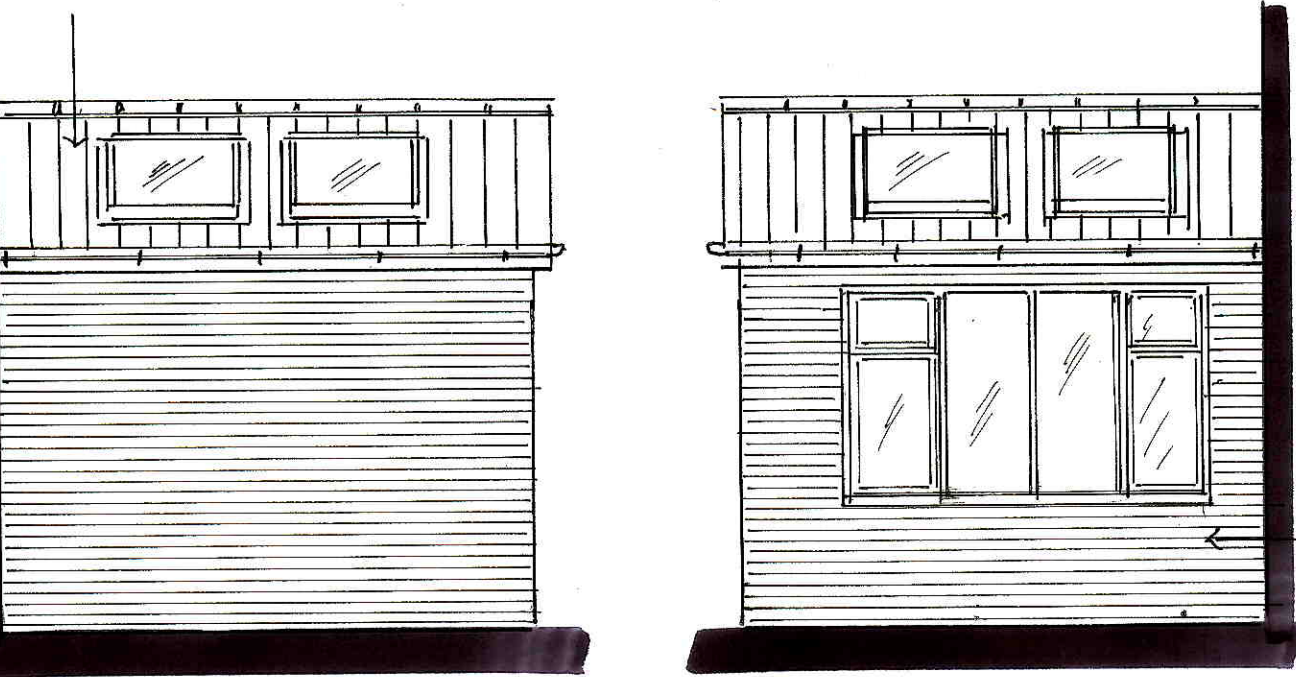
REAR ELEVATION 1:50

LOCATION PLAN 1:1250

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 LINTOLS 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.

REDLAND GROVEWAY SIDE ELEVATIONS 1:50



100x100 RHT
POST WELDED TO
U/SIDE OF
203x102mm RIDGE
BEAM AND WELDED
TO BASE PLATE ONTO
152x152mm 21kg
UG OVER
300mm

BRICKWORK
TO MATCH
EXISTING

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.

CLOAKROVERGE
TILES AND
UPVC BARGE
BOARDS AND
FACIAS

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.

GENERAL NOTES

ALL DIMENSIONS INCLUDING ROOF PITCHES TO BE CHECKED BY CONTRACTOR BEFORE WORK COMMENCES. ALL WORK TO COMPLY WITH CURRENT BUILDING REGULATIONS AND CARREID 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. *

SECTION 1:50

ROOF CONSTRUCTION

175 X 50MM SC3 RAFTERS AT 400MM C/C 150MM KINGSPIR E.P.S. INSULATION BETWEEN RAFTERS ON 16MM PLY FIXED TO U/SIDE WITH 9MM PB CEILING. ENDS OF RAFTERS TO BE BIRDMOUTHED ONTO WALL PLATES END RAFTERS TO BE RAWL BOLTED TO GABLE END MASONRY AT 600C/C.

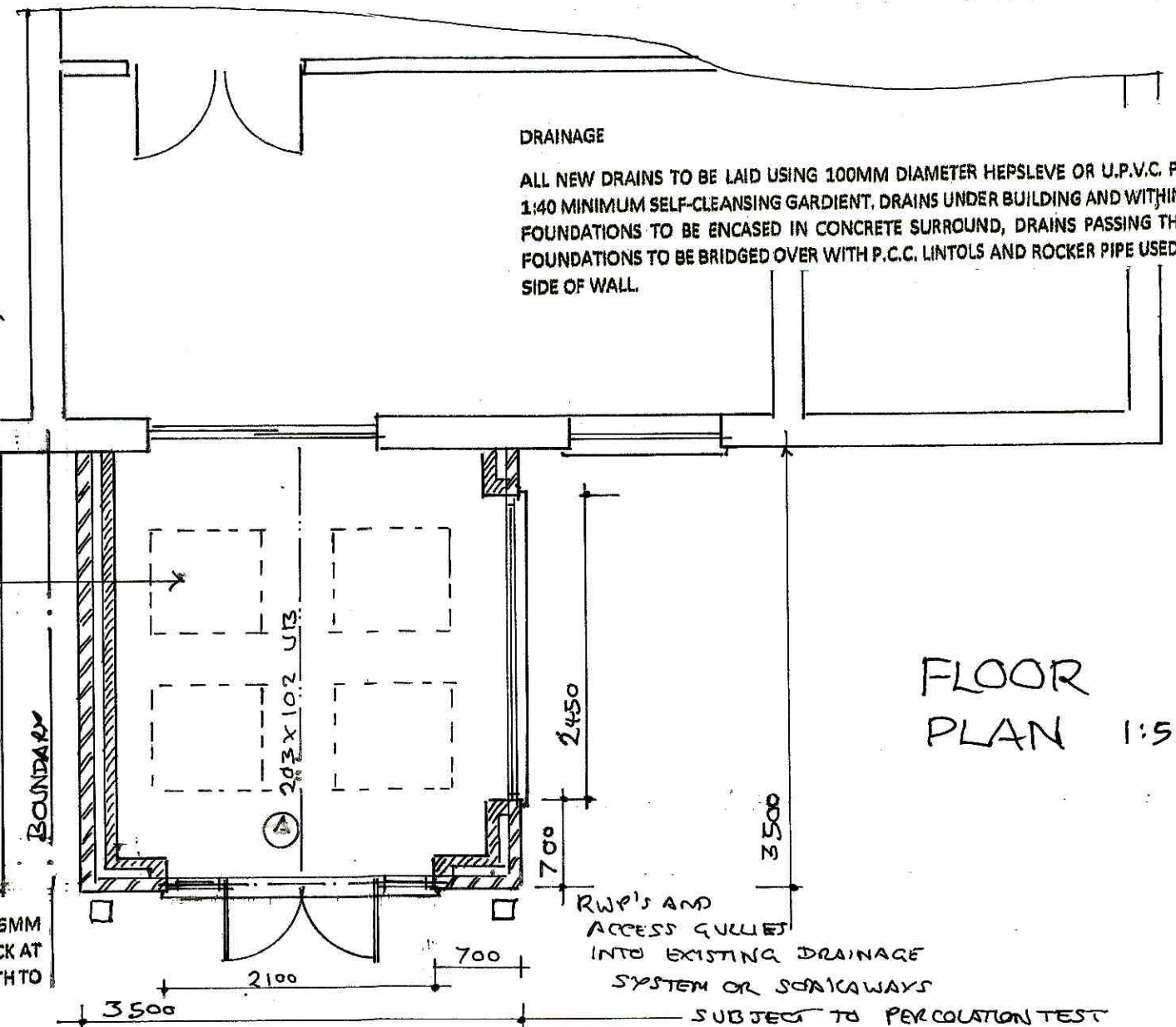
STEEL CHECK

(A) 203x102mm UB SFA 3500
LOADS ROOF1 0.8x3.5x2 5.6
ROOF2 0.8x3.5x2 5.6
W 11.2 TKN
BM W_{1/8} = 4.9 TKNm
Z_{pl} M/pbc = 30 cm³ ✓
S_p 560 = 9.7
S_a 560 = 6.25 = 1.4mm
384EI

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.

FLOOR PLAN 1:50



4N° VELUX
GGL M04
ROOF 4 QUITS
780 X 980mm
WITH DOUBLE
RAFTER
TRIMMER

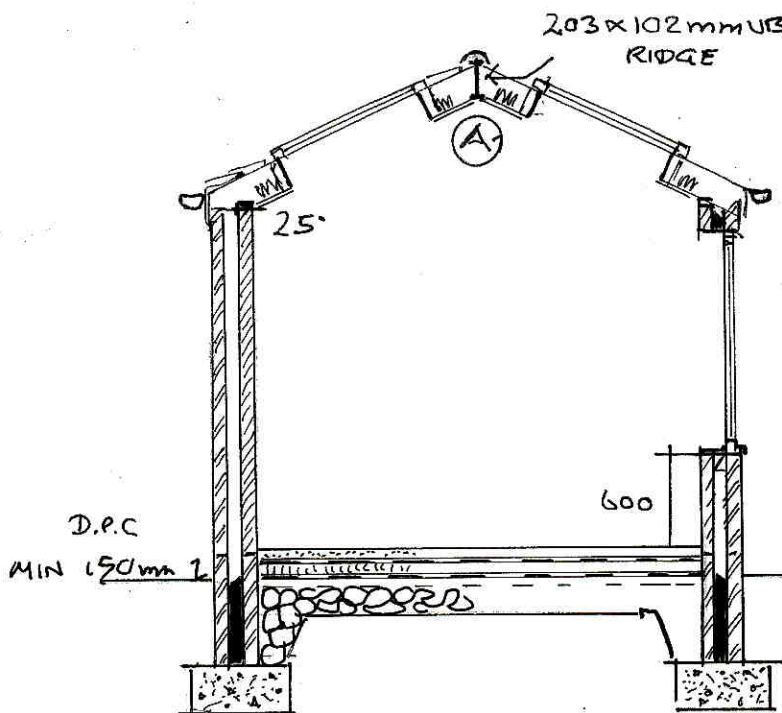
R/W's AND
ACCESS GRILLES
INTO EXISTING DRAINAGE
SYSTEM OR SCAVWAYS
SUBJECT TO PERCOLATION TEST

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 HARDWARE. INSULATION BOARD TO BE TURNED UP AT EDGE OF SLAB, D.P.C. AND D.P.M. TO BE LAPPED AND BONDED.

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



125mm PVC
CUTTING
CLIPPED @
900c/c

D.P.C.
MIN 150mm



CLIENT
MRS. S. HOLCROFT

SCHEME
SUN LOUNGE/CONSERV-
ATORY EXTENSION AT REAR

ADDRESS
37 SUGAR LANE
KNOWSLEY VILLAGE

DRAWING NUMBER
REV

DATE
APRIL 2022
DRAWN
CHECKED