

EXISTING

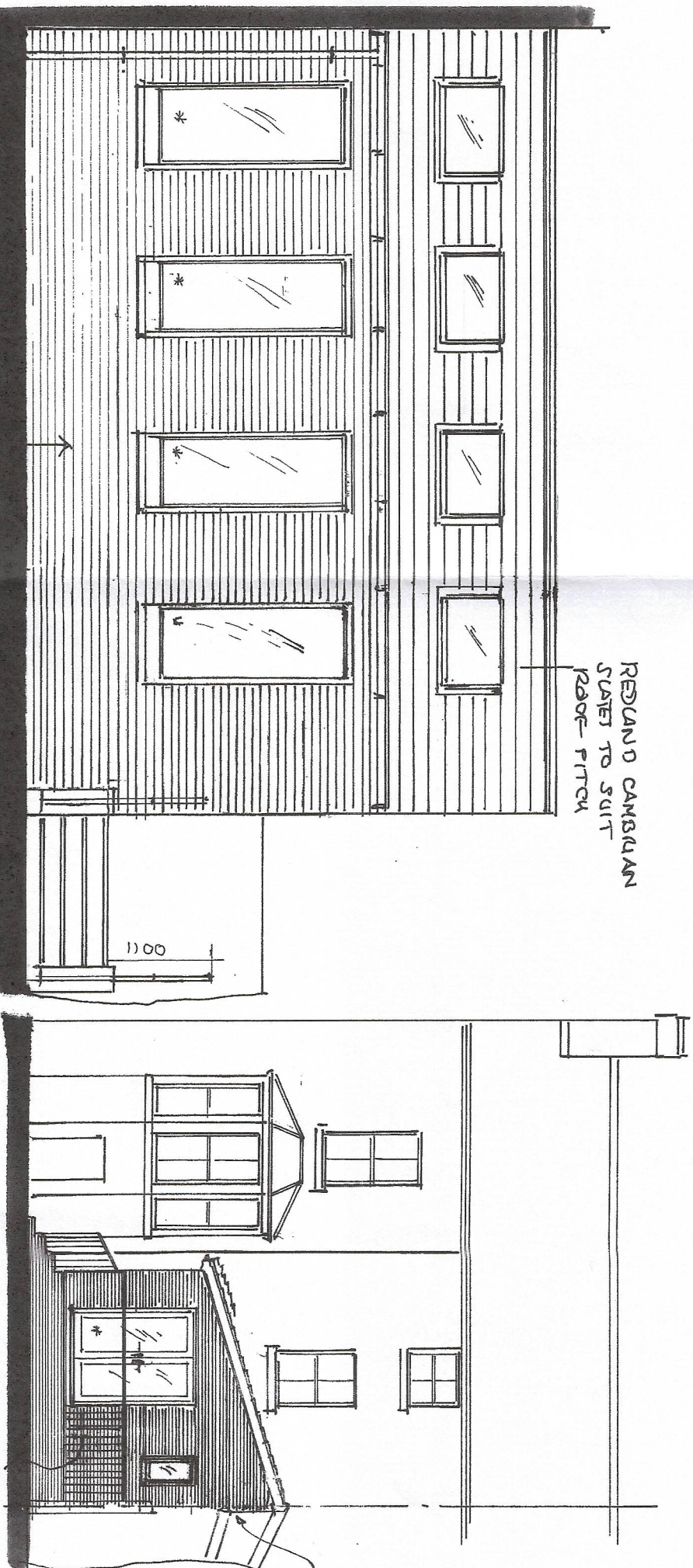
SIDE

REAR

SIDE ELEVATION

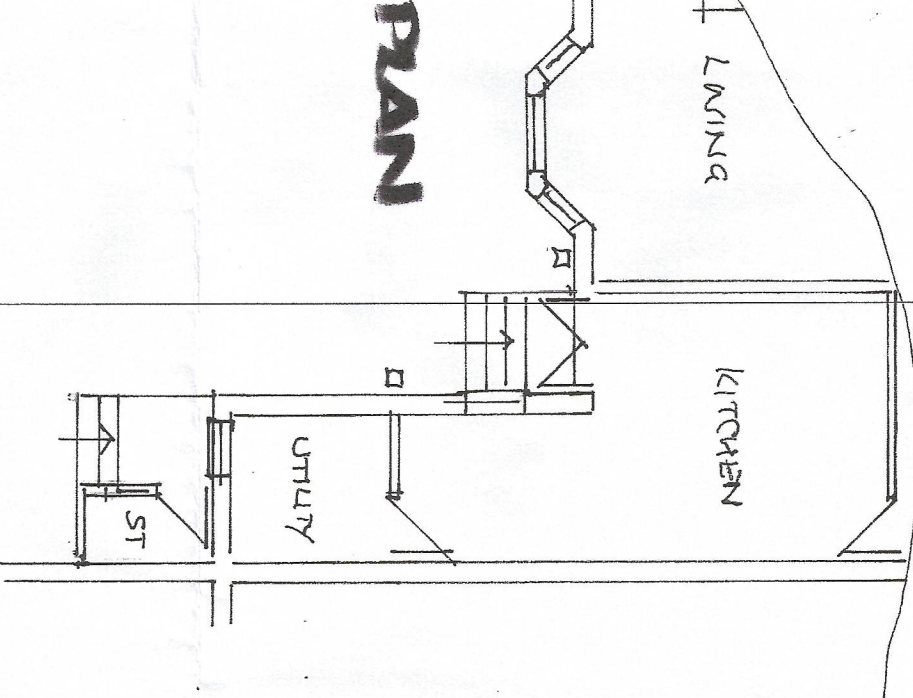
REAR ELEVATION

LOCATION PLAN



ELEVATION FROM N°100
[OPENINGS NOT SHOWN]

SITE PLAN
1:500



PLAN

SECTION

FLOOR PLAN

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 GLASS TO ACHIEVE A MAXIMUM 1.4W/M² K VALUE.

WINDOWS

ALL HABITABLE ROOMS TO HAVE AT LEAST ROOMIN² BACKGROUND VENTILATION PROVIDED THROUGH FIXED VENTILATORS BUILT INTO WINDOW FRAMES OR 2 NO 25 X 250MM AIR BRICKS WITH 100MM AIR GAP ABOVE AND BELOW EACH BRICK. ALL ROOMS TO BE PROVIDED WITH MECHANICAL EXTRACT FANS SERVING WINDOWS/BATHROOMS/SHOWER ROOMS/W.C. CLOSETES TO PROVIDE AT LEAST 8 AIR CHANGES PER HOUR WITH A 15 MINUTE OVER RUN PER HOUR.

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/SEC. MECHANICAL EXTRACT FANS SERVING WINDOWS/BATHROOMS/SHOWER ROOMS/W.C. CLOSETES TO PROVIDE AT LEAST 8 AIR CHANGES PER HOUR WITH A 15 MINUTE OVER RUN PER HOUR.

STEEL CASEWORK

203 X 153mm 303 $\frac{1}{2}$ U.B.

SPAN 3800

LOADS

ROOF 4.5 X 3.8 X 2.2 37.62

WALL 1.2 X 3.8 X 2.0 9.12

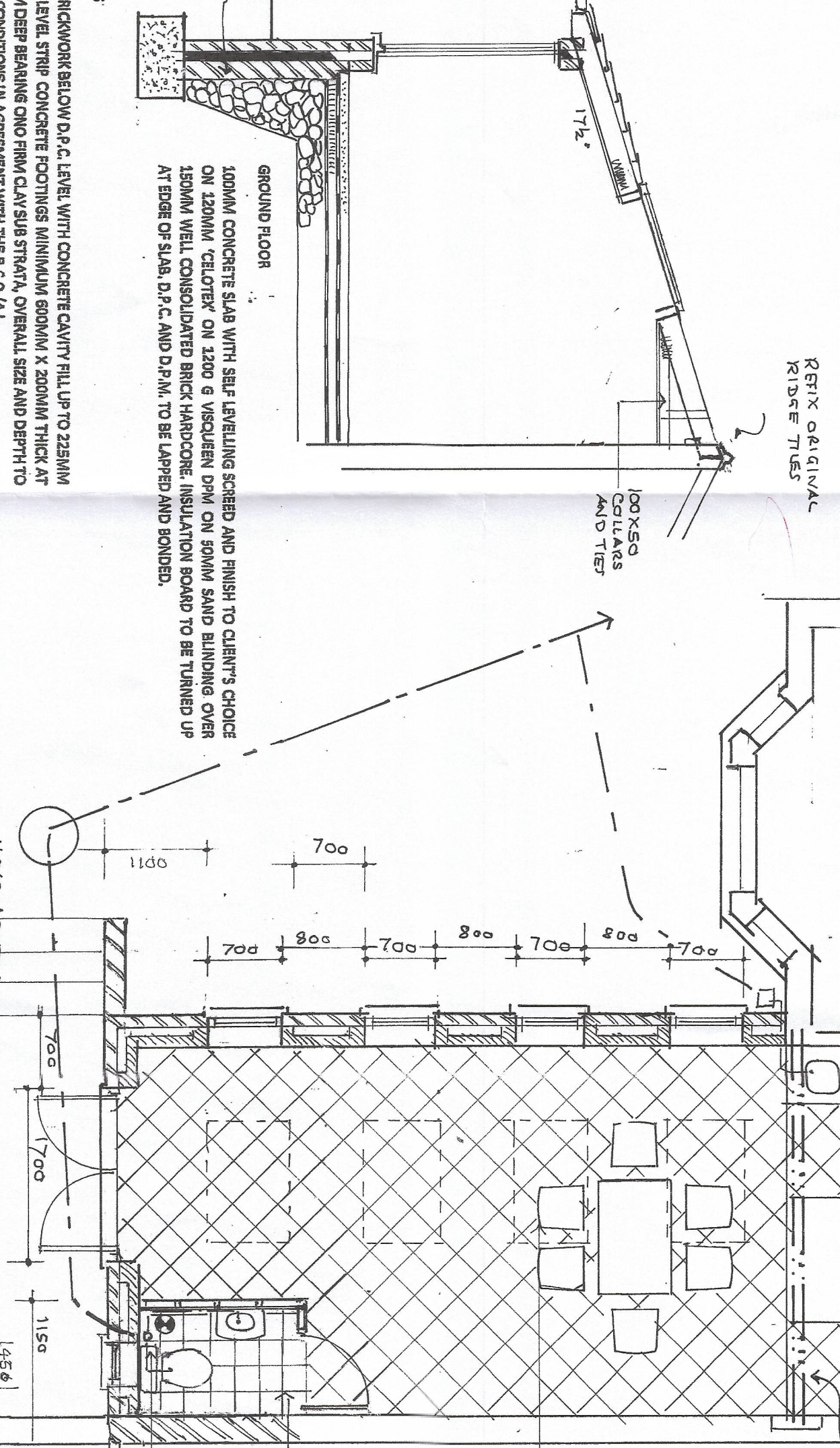
46.74 kN

BM 10.8 = 23.2 kN/m

DP 1/360 = 13.5 mm

DP 1/360 = 10.6 mm

DP 1/360 = 33.38 = 5.5 mm



ROOF CONSTRUCTION

125 X 30MM S2B BATTERS AT 400MM C/C 150MM INSULATION EPS INSULATION BETWEEN BATTERS ON 150MM PLY FIBRE TO U/200 WITH 90MM PB CEILING. ROOF OF BATTERS TO BE BRICKWORKED ONTO WALL PLATES END BATTERS TO BE RAFT. BOLTED TO GABLE END MASONRY AT BRICK.

ROOF COVERING

SELECTED MATCHING ROOF-TILES/SLATES Nailed to treated S.W. BATTERS WITH LAP TO 50MM. ROOF FITCH IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS OVER THREE TIMES THE PAVING FELT Laid OVER BATTERS AS SPECIFIED. 300MM FIBREGLASS SLOTT INSULATION OVER AND BETWEEN JOISTS ON 50MM PB AND 50MM CEILING.

WALL CONSTRUCTION

ACCURATE OR SELECTED FACING BRICK CLEFTER 150MM CAVITY WITH REINFORCED CONCRETE BLOCKS AND CONCRETE BLOCKWORK INNER LEAF WITH TWO COAT OF 15MM PLASTER. MINIMUM 102.5 U VALUE STAINLESS STEEL CAVITY TIES TO BE PROVIDED AT 450. ROOMS CENTRES 1 AND AT ROOM CENTRES AROUND ALL OPENINGS. INSULATED THERMAFLEX OR SIMILAR CAVITY CLOSERS WITH INSULATED CLAYC OR LG APPROPRIATE GALV STEEL UPJOISTS TO BE PROVIDED OVER ALL CAVITY WALL OPENINGS WITH A MINIMUM 150MM END BEARING. THINER STUD PARTITIONS 75 X 50MM STUDING WITH MINERAL WOOL INFILL AND 12MM PB AND 12MM PB AND 12MM PB.

ACCELERATIVE

SUSPENDED TILED FLOOR

WITH 21mm MOISTURE RESISTANT BOARD ON 250 X 50mm S2B JOISTS @ 400 g/c

100mm GYPSUM BOARD OVER 50mm VENTILATED VOID BEHIND 50mm 100mm GYPSUM BOARD

100mm GYPSUM BOARD

203 X 153mm 303 $\frac{1}{2}$ U.B.

125mm PVC CUTTINGS @ 900 g/c

225mm GYPSUM BOARD

225mm GYPSUM BOARD

GROUND FLOOR

100MM CONCRETE SLAB WITH SELF LEVELLING SCAFFOLD AND FINISH TO CLIENT'S CHOICE ON 120MM VENTILATED VOID BEHIND 50mm SAND BUILDING OVER 150MM WALL CONSTRUCTION BRICKWORK. INSULATION BOARD TO BE TURNED UP AT EDGE OF SLAB, D.P.C. AND D.P.M. TO BE LAPPED AND BONDING.

FOUNDATIONS

TWO LAYERS 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 100MM DEEP BEARING ON FIRM CLAY SUBSTRATE. OVERALL SIZE AND DEPTH TO SUIT GROUND CONDITIONS IN AGREEMENT WITH THE B.C.O.A.I.

2' N° 203 X 153mm 303 $\frac{1}{2}$ U.B. 600 g/c 800mm ON P.C.C. PADSTONE

4' N° 153 X 102mm 303 $\frac{1}{2}$ U.B. 1400 X 780mm

DEMOLISH OUTRIGGER GUTTER 225mm BRICK

STEEL STRUT FOR W.C. AND WASH WATER

GENERAL NOTES

ALL DIMENSIONS INCLUDING ROOF PITCHES TO BE CHECKED BY CONTRACTOR BEFORE WORK COMMENCES. ALL WORK TO COMPLY WITH CLIENT'S BUILDING REGULATIONS AND TREATED QUITY TO THE COMPLETE SATISFACTION OF THE DISTRICT B.C.O. ALL TYPERS TO BE INSULATED WITH PRESERVATIVE. ALL NEW STEELWORK TO BE ENCASED IN 12MM GYPSUM PLASTER BOARD FOR 30 MINUTES FIRE PROTECTION. ALL GALLY. UPJOISTS TO BE INSULATED. ALL ELECTRICAL WORK TO BE UNDERTAKEN BY INCEC APPROVED CONTRACTOR WITH AN INSTALLATION CERTIFICATE TO BE PROVIDED ON COMPLETION. ALL NEW RADATORS TO BE FITTED WITH THERMOSTATIC VALVES AND C.H. BOILERS TO BE REPLACED IF NECESSARY WITH CONDENSING TYPE BOILERS AND INSTALLED BY A COMET REGISTERED CONTRACTOR. THERMISTERS OR LAMINATED SAFETY GLASS TO BE USED IN ALL CRITICAL LOCATIONS. #

CLIENT

MR G. O'GRADY

SCHEME

SINGLE STOREY KITCHEN EXTENSION AT REAR

ADDRESS

N°102, STEEL ROAD HUYTON KNOWSLEY L36 6DJ

DRAWING TITLE

NUMBER

REVISION

DATE

MAY 2021

SCALES

1:50

1:100