

[illegible]

WALL CONSTRUCTION

TWO COAT SAND CEMENT RENDER TO MATCH EXISTING ON 100MM CONCRETE BLOCKWORK OR SELECTED FACING BRICK OVER LEAF 100MM CAVITY WITH ROCKWOOL INSULATION BATS FULL UP 300MM CELCON SLOAR BLOCKWORK. INNER LEAF WITH TWO COAT PLASTER FINISH TO GIVE A MAXIMUM C. OF 25. U VALUE . STAINLESS STEEL CAVITY TIES TO BE PROVIDED AT 450-750MM CENTRES AND AT 300MM CENTRES AROUND ALL OPENINGS. INSULATE "THERMABATT" OR SIMILAR CAVITY CLOSERS INSULATED CATNIC OR I.G. PROPERTY GALV. STEEL LINTOLS TO BE PROVIDED OVER ALL CAVITY WALL OPENINGS WITH A MINIMUM 150MM END BEARING. TIMBER STUD PARTINGS 75X50MM STUDDING WITH MINERAL WOOL INFILL AND 12MM PB AND SKIN BOTH SIDES.

STEEL CHECK

(A) 203 x 133 mm UB 25 kg/m
SPAN 3000

LOADS
FLOOR 1 1.5 x 3.0 x 2.5 = 11.25
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W 27.5

BM $W/8 = \frac{8.4375 \text{ KN}}{8}$
Z_{req} $M/p_{bc} = \frac{51 \text{ cm}^2 \text{ OK}}{EI}$

$p/860 = 8.3 \text{ m}$ $\delta_a \frac{504^3}{384EI} = \frac{5 \times 27.5 \times 3^3}{384EI} = \frac{7.91}{EI} = 1.6 \text{ mm OK}$

(B) 254 x 146 mm 43 kg/m UB.
SPAN 5500

LOADS
B/GW 2.7 x 5.5 x 2.2 32.67
ROOF 1.5 x 5.5 x 2.0 16.5
W 49.17

GINT D/D FROM (A) $W/2 = 11.25 \text{ KN}$
W " " (C) SAV 6 KN TOTAL P = 17.25 KN

BM $W/8 + p/4 = 32.8 + 23.7 = 57.5 \text{ KNm}$
Z_{req} $M/p_{bc} = 348 \text{ cm}^2 \text{ OK}$ $\delta_p \frac{p}{860} = 15.3 \text{ m}$ $\delta_a \frac{504^3}{384EI} + \frac{p l^3}{48EI} = \frac{1065 + 4.8EI}{EI}$

1:500

500

18

NEW DRAINAGE HANDSHELD IN S TO FALL TO GULL GRATING

GARTDALE ROAD

FIRST FLOOR CONSTRUCTION

MOISTURE RESISTANT 21MM T&G BOARDING NAILED TO FLOOR JOISTS AS SPECIFIED WITH STRUTTING AT $\frac{1}{3}$ RD SPAN 30X5MM GALV. M.S.RESTRAINT STAPS TO BE PROVIDED AT 1.8M CENTRES TO JOISTS PARALLEL TO WALLS FIXED TO AT LEAST 3NO. JOISTS DOUBLE JOISTS TO BE BOLTED TOGETHER AT 600 C/C PLACED UNDER PARTITIONS FOR SUPPORT. 12MM PLASTERBOARD AND SKIM CEILING.

ROOF WINDOW TO
INCORPORATE A FIDE HUNG
ASH WITH A MINIMUM
30X750 MM CLEARANCE
OVER MOE

REDLAND RENOVIN
ROOF TILES TO MATCH
EXISTING

PIPE TO DISCHARGE
ONTO LOWER ROOF

MATCHING
PLAIN
CLAY
TILES

WOODEN
MOE

VENTILATION ALL HABITABLE ROOMS TO HAVE AT LEAST 8000MM² BACKGROUND VENTILATION PROVIDED THROUGH TRICKLE VENTILATORS BUILT INTO WINDOW FRAMES OR 2NO 225 X 150MM AIR BRICKS WITH LOUVER CONTROLLABLE PLASTER VENTS. AT LEAST 4000MM² 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.

DRAINAGE

ALL NEW DRAINS TO BE LAID USING 100MM DIAMETER HEPSELE OR U.P.V.C. PIPES AT 1:40 MINIMUM SELF-CLEANING GRADE. 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. LINTELS 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 FINISHED FLOORING AND ABOVE ROOF LEVEL. ALL NEW SANITARY FITTINGS TO HAVE ALL 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. UNTOLTS TO BE INSULATED AND ENCASED WITH 12MM PLASTERBOARD AND SKIM FOR 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.

Hand-drawn floor plan of a four-bedroom house. The plan features a central staircase with arrows indicating upward and downward movement. The layout includes four bedrooms, two bathrooms, and a central hallway. Dimensions are provided for various sections: 700 and 1800 for the top left; 4000 for the top left bedroom; 2700 for the central hallway; 1600 for the top right bedroom; 1200 and 1200 for the bottom left; and 600 for the top right window area. Annotations include: "203x193mm 25kg UB SEATED ON P.C.C. PADSTONE'S" at the top; "REDUCE WINDOW OPENING, ST-FRAME AS SUOIN" at the top right; "325x325 ENG BRICK PILES" on the right; "FORM DOOR OPENING INTO SYSTEM" with an arrow pointing to a door; "225x75mm HIP BEAMS WITH 100x50mm CORNER BRACINGS" at the bottom; and "SVC" (Service) labels at the top right and bottom right. Circled letters 'C' and 'S' are placed near the staircase and in the top left bedroom respectively. The plan is drawn with thick black lines for walls and thinner lines for furniture and dimensions.

Hand-drawn floor plan of a house with the following details:

- Overall Dimensions:** 550 (width), 1200 (depth), 900 (width), 3000 (depth).
- Rooms and Dimensions:**
 - UTILITY:** 1450 (width), 2900 (depth).
 - KITCHEN:** 1450 (width), 2900 (depth).
 - WC:** 1600 (width).
 - LIVING ROOM:** 2N° 25'6" x 16'6" mm 43 Kg/m² UBL'S BOCTED @ 600°C SEATED ON P.C.C. PADSTONE.
 - STUDY:** 20'3" x 13'3" mm 25 Kg/m² UBL'S SUPPACIN C FLOOR JOISTS CREATED INTO WEBS OF UBL AND SEATED ON P.C.C. PADSTONE.
 - HALL:** 2N° 20'3" x 13'3" mm 25 Kg/m² UBL'S BOCTED @ 600°C SEATED ON R.C. SPREADER AND 15'2" x 15'2" UBL OVER DOOR OPENING.
 - LOUNGE:** 2N° 20'3" x 13'3" mm 25 Kg/m² UBL'S BOCTED @ 600°C SEATED ON R.C. SPREADER AND 15'2" x 15'2" UBL OVER DOOR OPENING.
- Construction Notes:**
 - LINE OF EXISTING OUTLETS/RAILWAY TO BE DEMOLISHED
 - NEW 100 Ø SUP BOCTED IN
 - 20'3" x 13'3" mm 25 Kg/m² UBL'S SUPPACIN C FLOOR JOISTS CREATED INTO WEBS OF UBL AND SEATED ON P.C.C. PADSTONE
 - 2N° 20'3" x 13'3" mm 25 Kg/m² UBL'S BOCTED @ 600°C SEATED ON R.C. SPREADER AND 15'2" x 15'2" UBL OVER DOOR OPENING
- Other Features:**
 - Stairs leading up from the Hall.
 - Porch area.
 - Study area with a desk and chair.
 - Living Room area with a sofa and coffee table.
 - Lounge area with a sofa and coffee table.
 - WC area with a toilet and sink.
 - Utility area with a sink and storage.
 - Kitchen area with a sink and storage.

ADDRESS
Nº 18 GARTDALE ROAD
MOSSLEY HILL
LIVERPOOL L18 5HN

DATE	MARCH 2016	DRAWN	
SCALES	1:50 1:100	CHECKED	