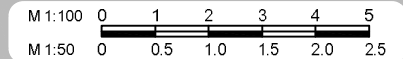


NOTES

- 01 All new and existing building work dimensions are critical to the construction process.
- 02 All drawings are preliminary unless stated differently. Preliminary drawings and are not to be built or manufactured from.
- 03 This drawing is subject to copyright of Architectural SERVICES reproduction only with written authority.
- 04 Drawing dimensions and scales to be checked prior to commencement of work.
- 05 All structural work where mentioned on this drawing is subject to a qualified structural and civil engineer calculations before building work commences.
- 06 These plans may be subject to "Planning & Building Regulation Approval" or any other statute in law before the commencement of building works.
- 07 All materials to match existing unless otherwise stated.



Section D-D

KAREN SHARP,
40A SINAH LANE,
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PO11 0HH

DRAFT 9a - 29.08.17

CLIENT NO:

DRAWN:

JOB NO:

DATE:
19.12.14

SCALE @ A3: 1:100

PG NO: 16

FIRST FLOOR
Fit 50 x 200 (C16) graded floor joists at 400mm centres and fix with 50mm joist hangers. Fit block strutting at mid-point span of floor joists. Joists to be doubled up where stud walls bear on and in the same direction. Fit 12.5mm plasterboard a skim finish to give half an hour of fire resistance. Infill floor joists between ground and first floor with 100mm Isover APR 1200. Fit 22mm moisture resistant chipboard flooring. Notching of floor joists up to 250mm in depth to be located in top edge between .07 and .25 of the span Maximum depth of notch is .125 of the depth.

FLAT ROOF- WARMDECK (0.18 W/M2K)
Flat roof to be single ply membrane roofing providing aa fire rating for surface spread of flame laid to manufacturers specification. Single ply membrane to be fixed to 18mm exterior quality plywood over 125mm Celotex TA4000. Insulation bonded to 22mm external quality plywood decking or similar approved on swfirings to minimum 1 in 60 fall on sw treated 50 x 200 C16 flat roof joists at 400mm ccs. Underside of joists to have 12.5mm foil backed plasterboard and skim. Provide cavity tray to existing house where new roof abuts existing house. Provide restraint to flat roof by fixing of 30 x 5 x 1000mm ms galvanised lateral restraint straps at maximum 2000mm centres fixed to 100 x 50mm wall plates and anchored to wall.

20mm two coats sand/ cement render to comply to BS EN 13914-1:2005 with waterproof additive on 100mm block K value 1.13, e.g. Lafarge Stancrete with fully filled cavity of 110mm Rockwool Cavity insulation. Inner leaf to be 100mm block, K value 1.13, e.g. Lafarge Stancrete. Inner skin of side walling to be built in 7N block work. Internal finish to be 12.5mm plasterboard on dabs. Walls to be built with 1:1:6 cement mortar. Mortar to be mixed to BS 5628: part 3 (iii) (minimum 5 parts sand to 1 part cement). Do not build more than 1500mm high (7 courses block work or 20 courses of metric bricks) in a day. Finish walls with coping stone on DPC.

SUSPENDED BLOCK AND BEAM FLOOR

The underside of beams should be not less than 150mm above the top of the ground. PCC beams to be supplied and fixed to beam manufacturer's plan, layout and details (details and calculations to be sent to Building Control and approved before works commence). Minimum bearing 100mm onto DPC and load bearing walls. Provide concrete blocks to BS 6073 pt.1, wet and grout all joints with 1:4 cement/ sand mix. Provide double beams below non-load bearing partitions. Lay 1200g DPM, with 300mm laps double wetted and taped at joints and service entry points using radon gas proof tape, over beam and block floor. Lay floor insulation over DPM, 80mm Celotex GA4000 applied as a rigid material. Lay 500g separating layer over insulation and provide 75mm sand/ cement screed over and prepare for floor finishes as required. The top surface of the ground cover under the building shall be above the finished level of the adjoining ground. Provide cross-ventilation of the under floor to outside air by ventilators in at least 2 opposite external walls of the building. Ventilation openings having an opening area of 1500mm² per metre run of perimeter wall or 500mm² per square metre of floor area, whichever is the greater. Sleeper walls shall be of honeycombed construction or have provision for distribution of ventilation.

Provide 750mm x 700mm trench fill foundations, concrete mix to conform to BS EN 206-1 and BS 8500-2. All foundations to be a minimum of 1200mm below ground level, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2004 Building Regulations A1/2 and BS 8004:1986 Code of Practice for Foundations. Ensure foundations are constructed below invert level of any adjacent drains. Base of foundations supporting internal walls to be min 600mm below ground level.

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