

Architectural Services

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Forum House
Stirling Rd
Chichester
PO19 7DN

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 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 C-C

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DRAFT 9a - 29.08.17

CLIENT NO:

DRAWN:

JOB NO:

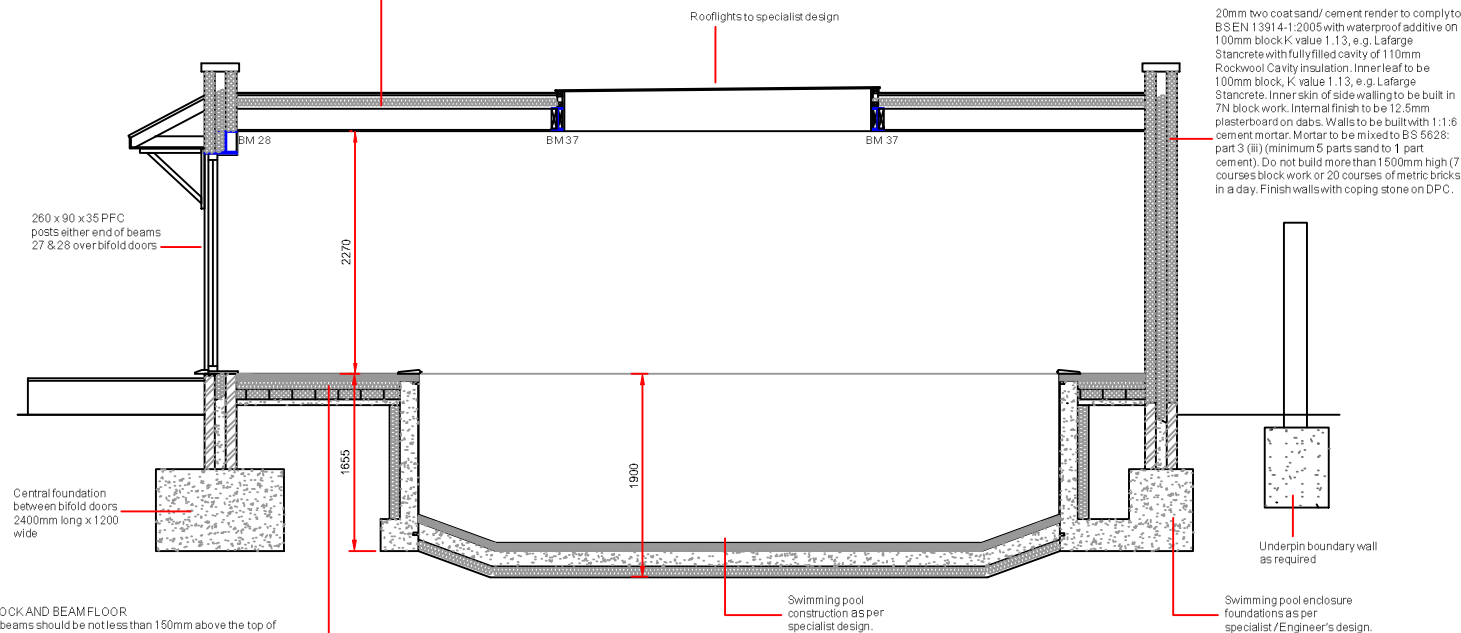
DATE:
19.12.14

SCALE @ A3: 1:50

PG NO: 15

FLAT ROOF - WARM DECK (0.18 WM2K)

Flat roof to be single ply membrane roofing providing a fire rating for surface spread of flame as laid to manufacturer 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 saw firing to minimum 1 in 60 fall on saw 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.



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 BS6073 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 welded 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.