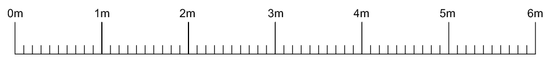
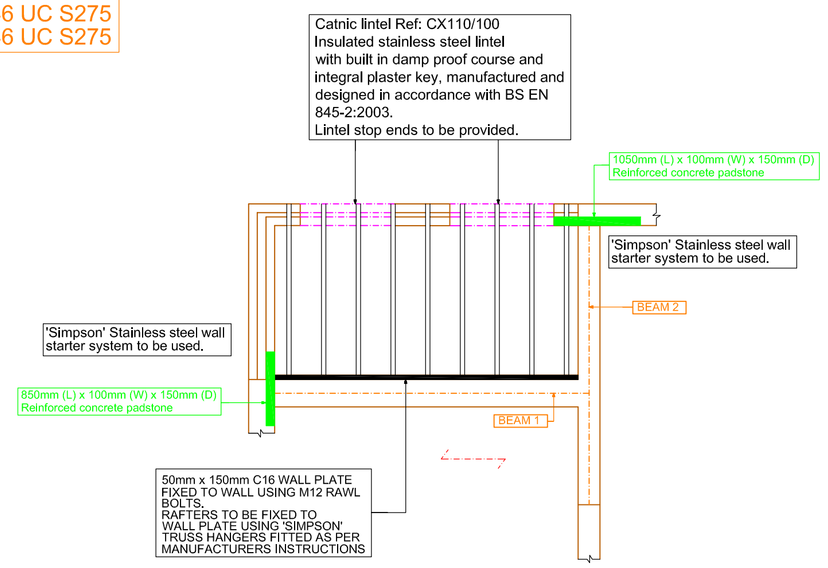


SCALE BAR 1:50 @ A1

BEAM 1: 203 x 203 x 46 UC S275
BEAM 2: 203 x 203 x 46 UC S275



PROPOSED STRUCTURAL PLAN
SCALE BAR 1:50 @ A1

Extension Mono Pitched Roof Construction
50mm x 150mm C16 Softwood rafters @ 400mm c/c birds mouthed over 100 x 50mm softwood Wall plate bedded to top of internal cavity skin wall and held down with 30mm x 5mm mild steel straps @ 1.2m c/c (1.2m long), bent @ right angles to give a min 75mm fixing to the top of the wallplate. Ceiling joist to be 120mm x 50mm softwood joists @ 400mm c/c spiked to top of wallplate.

Lateral and vertical restraint straps are to be provided to roof members in accordance with BS 5628 from the roof to adjacent parrallel walls @ maximum 2.0m c/c using 30mm x 5mm galvanised steel straps turned down 150mm minimum over blockwork and fixed over solid blocking to a minimum of three rafters.

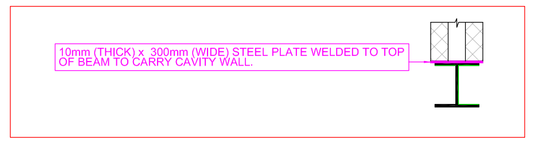
The roof shall be covered with Matching roof tiles, tiles to be fixed in accordance with manufacturers instructions and to BS 5534 on 35mm x 25mm preservative treated soft wood battens, on reinforced roofing felt underlay, type 1F to BS 747 PL2.

The roof is to be cross vented by proprietary eaves ventilators equivalent to a 25mm continuous air gap within eaves. Proprietary ventilation trays are to be fitted between rafters.

Fascia to be 25mm upvc complete with 12.5mm upvc exterior quality soffit fitted to fascia and wall with softwood battens, clipped verge details @ gables.

Ceiling to be 12.5mm foil backed plasterboard, with joints filled and taped to take final finish. Provide 50mm x 38mm noggins to provide supports to joints, edges, and light fittings.

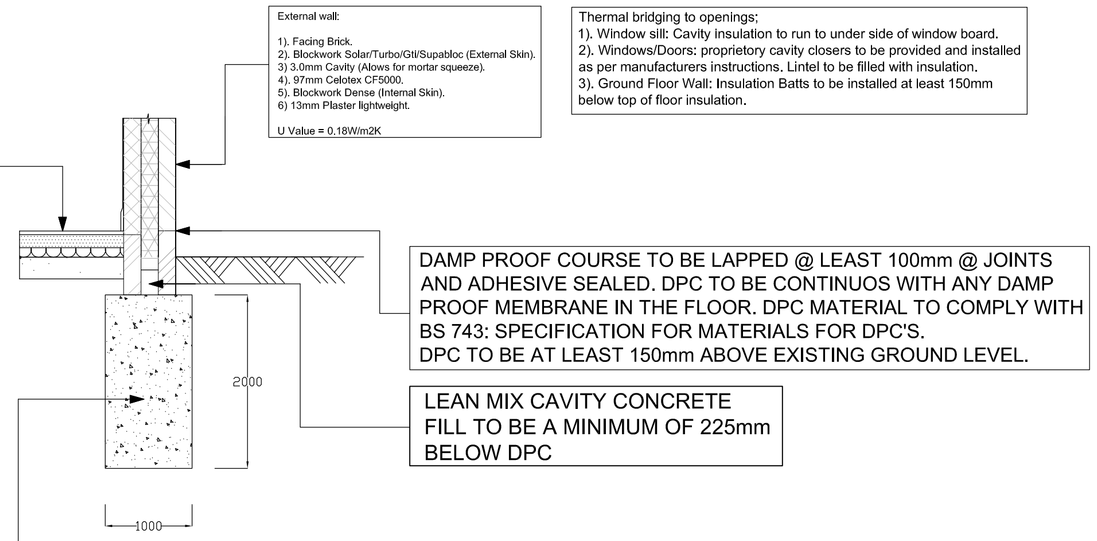
Main Contractors Note:
Due to spans/weights of beams method statements & risk assessments are to be produced for safe delivery and safe installation prior to delivery and installation of steels on site.



BEAM: 1 - 2

FLOOR CONSTRUCTION

150mm SAND BLINDED HARDCORE
100mm CONCRETE OVERSITE
DPM - POLYTHENE 1200 GAUGE
100.0mm CELOTEX FF 4000
POLYTHENE 500 GAUGE SEPERATING LAYER
65mm FLOOR SCREED
20mm FINISH TO FLOOR



Mass concrete Foundation:

Min width to be 500mm, situated centrally under wall.
Min depth 1000mm & but must be below invert levels of any drainage.
Depth must also take into account any trees that may be within 30m and to be in accordance with NHBC chapter 4.2 standards.
Blockwork to dpc level to be constructed with engineering blocks laid with sulphate resistant cement.
Steps in the foundation where they occur should overlap by twice the height of the step but not less than 300mm.
Concrete mix to be grade ST1 to BS 5328. Pt 2
Cement to be to BS 12 1989)mix 1:3:6 or grade C 20.

PROPOSED FOUNDATION EXTENSION
& FLOOR CONSTRUCTION
SCALE BAR 1:25 @ A1

GENERAL NOTES:

THIS DRAWING IS NOT TO BE SCALED, THE MAIN CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORKS WITH ANY DISCREPANCIES REPORTED TO GREENFIELDS ARCHITECTURAL SERVICES AT ONCE.

ANY CONSTRUCTION WORK CARRIED OUT PRIOR TO OBTAINING THE NECESSARY APPROVALS IS ENTIRELY AT THE HOUSEHOLDER/CONTRACTORS RISK.

ALL BUILDING WORK IS TO BE CARRIED OUT TO THE SATISFACTION OF THE LOCAL AUTHORITY AND BUILDING CONTROL OFFICER, AND IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS, AND AS SUCH ANY UNFORESEEN BUILDING WORKS THAT MAY BE REQUIRED ON SITE.

THE MAIN CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR THE SECURITY, STRENGTH AND STABILITY OF THE BUILDING/SITE DURING THE WORKS DURATION.

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REVISION	DESCRIPTION	DATE	BY

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DRAWING TITLE: PROPOSED STRUCTURAL DETAILS

SITE ADDRESS: 1 TEMPLE PARK, UXBRIDGE

SCALE: 1:50 @ A1 | DRAWN BY: BG

DATE: 25.08.18

DRAWING NO: TEMPLE/02