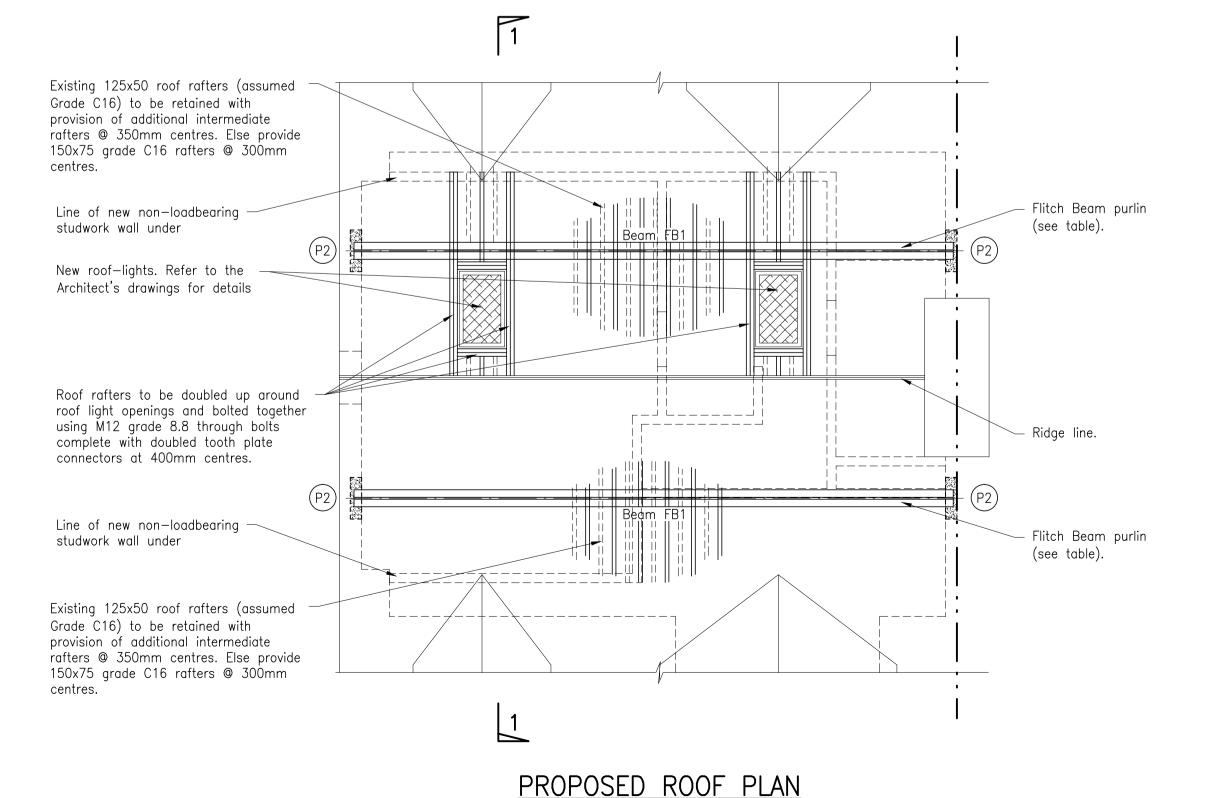


PADSTONE	LENGTH (mm)	WIDTH (mm)	DEPTH (mm)	COMMENT
P1	300	150	215	_
P2	550	150	215	_

(All padstones to be Grade C20 concrete)



BEAM	TYPE	GRADE	COMMENT
B1	203x203x71UC	S275	12mm dia. holes through beam web @ 1000mm centres to allow M10 bolts to fix timber packing plates. Alternatively use 2 No. 300x100mm wide grade D40 timbers with 3 No. 250x20mm thick (S275) steel plates, bolted together at mid—height @ 400mm centres with M16, grade 8.8 bolts. Provide 2 No. bolts at supports.
B2	203x133x30UB	S275	12mm dia. holes through beam web @ 1000mm centres to allow M10 bolts to fix timber packing plates.
T1	152x89x16UB	S275	12mm dia. holes through beam web @ 1000mm centres to allow M10 bolts to fix timber packing plates.
FB1	Flitch Beam	C35/S275	2 No. 250x100 Grade C35 timber joists with 1 No. 250x25 thick Grade S275 mid-plate bolted together with M16 Grade 8.8 through bolts @ 300mm centres, mid-height of beam.

(The minimum shear value should be 100kN and the moment value should be 25kNm)

1 General
All Structural Engineering drawings are to be read with the specification and with all relevant Architects drawings and specifications.

Do not scale from any Structural Engineers drawing. All dimensions are in millimetres and levels in metres.

All waterproofing (DPM & DPC) works to Architects

All fire protection works to Architects details unless

specifically noted otherwise. All new footings are designed for nom. assumed GBP of

SSL — Structural slab level

 $100kN/m^2$.

FFL - Finished floor level

The Contractor is responsible for the design, installation and maintenance of all necessary temporary works to ensure the strength and stability of the building throughout the course of the works. Drawings and calculations detailing all temporary works shall be submitted to the Engineer for comment prior to commencement of the works.

The existing structural information shown on these drawings is based on visual inspection of the building and upon limited opening up works. All details of the existing construction are subject to confirmation by the Contractor during the works on site.

For General Notes refer to drawing No. 10149/01.

For details of sections refer to drawing No. 10149/03.

2 Steel
The steelwork fabricator shall design all connections in accordance with both the connection design actions specified in the member schedules & the indicative connection arrangements presented in the sections & details sheets. The steelwork fabricator shall produce and submit dimensioned fabrication drawings and connection design calculations to the Engineer for review two weeks prior to fabrication.

All steelwork to be grade S275 to BS. 4360 UNO.

All bolted connections are to include a minimum of two M16 bolts per member unless specifically indicated otherwise on details. All bolts are to be grade 8.8 sheradized to BS 4921, class1. All bolts, nuts and washers are to be to BS 5950: Part 2 clause 2.2. Washers are to be placed beneath rotated item.

All welds to be minimum 6mm leg length continuous fillet welds unless specifically noted otherwise.

All steelwork except that cast into concrete is to be protected by painting with two coats of high quality Zinc Phosphate primer with touch up on site after erection.

Galvanising of Steelwork: After abrasive blast cleaning (in works), galvanise in

accordance with BS EN ISO 1461 "Hot Dipped Galvanised Coatings on Iron and Steel Articles" with a minimum coating of 85 microns (610 g/m2). All areas of galvanised steelwork within a masonry cavity in contact with outer leaf are to be additionally protected with 2 coats of bitumastic

paint. Mín. DFT 200 microns which is compatible with the galvanising.

Concrete to be in accordance with BS. 5328 and of the following minimum grade cube strength: -Blinding: C20. Mass or reinforced concrete: C35

4 Masonry
Inner leaf blockwork to cavity walls shall be of either aggregate concrete blocks or autoclaved aerated concrete blocks of compressive strength greater than 7N/mm².Outer leaf brickwork shall have a compressive strength greater than 20 N/mm². Mortar shall be M4/(iii) mortar strength class/Designation to BS 5628-1.

5 Timber All timber members to be grade C16 to BS. 5268 uno. Timber to be pressure impregnated with preservative and cut ends brush treated.



- 02.01.12 K.R.M. Issued for Construction. Rev Date Drawn Amendment

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PROPOSED SECOND AND LOFT FLOOR PLANS

Scales	1:50/A1			
Drawn	K.R.M.	Checked $_{ m M.V.}$	Date	DEC 2011
Drawing	g No.	Rev		
Drawing No. $10149/02$				A