



1. This Drawing to be read in conjunction with all other Engineers, Architects and Specialists drawings and specifications.
2. No dimensions are to be scaled from this drawing.
3. No deviation may be made from the details shown on this drawing without prior agreement of the Engineers.
4. Any discrepancy between this drawing and any other document should be referred immediately to the Engineer.
5. This drawing to be read in conjunction with all relevant Architect drawings.

Steelwork

All structural steelwork is to be grade S275 (Grade 43).

All structural steelwork to achieve 1 HOUR fire protection.

Any connection shall be made using a minimum of 4 M16 bolts or as specified on the drawings and details.

All structural steelworks shall be shot blasted to Swedish standard Sa 2.5 or equivalent to remove all loose rust and mill scale and primed with zinc phosphate to a minimum dry film thickness of 80 microns before delivery to site, in accordance with BS 5493:1977 Code of Practice for Protected Coating of Iron and Steel Structures against Corrosion. Following installation the steelworks shall be cleaned and prepared and any damage caused to the protective coating during construction shall be spot primed prior to final decoration.

Steelwork built into masonry walls or in contact with masonry shall be painted with 3 coats of RIW or similar approved bitumastic paint.

All steelwork below ground to be encased in minimum 75mm structural grade concrete wrapped in D49 mesh.

Concrete

The concrete used shall be as follows:

Mass concrete strip footings and pad foundations:

Crushing strength: 25 N/mm<sup>2</sup>

Minimum Cement Content: 280 kg/m<sup>3</sup>

Maximum Water Cement ratio: 0.55

Maximum aggregate size: 20mm

Blockwork

Blockwork to consist of medium dense concrete blocks with a minimum compressive strength of 7N/mm<sup>2</sup> with a 1:1:6 mortars

Mortars shall be as follows 1:3 (cement: sand) below DPC level and 1:1:6 (cement: lime: sand) above DPC level.

Brickwork

New brickwork shall have a minimum crushing strength of 20N/mm<sup>2</sup>.

Mortars shall be as follows 1:3 (cement: sand) below DPC level and 1:1:6 (cement: lime: sand) above DPC level.

Foundations

Foundations shall be taken to a firm bearing strata to the satisfaction of the Building Inspectors and Engineers.

Timber

All timbers used should be at grade C16.



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PROPOSED SECOND FLOOR PLAN	Drawing No. GS11 - BC02	Date 16.09.2021