

1. This Drawing to be read in conjunction with all other Engineers, Architects and Specialists drawings and specifications.

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.

Any discrepancy between this drawing and any other document should be referred immediately to the Engineer.

**GENERAL NOTES** 

STEELWORK

All steelwork to be designed in accordance with BS 5950 part 1, 2000 unless stated otherwise, all steel shall be to BS EN 10025, Grade S275.

## All steelwork is to be shot blasted to SA 2.5 and painted with Epoxy Zinc Phosphate primer to DFT 100 microns

The sub-grade shall be in accordance with tables 4, 5 and 6 BS 5950 (K1 unless noted otherwise) for external and/or internal use, to suit the plate thickness provided. A proprietary type with characteristic yield strength of 350 N/mm2 and minimum ultimate tensile strength of 450 N/mm2 95mm high after welding x 19mm diameter.

All bolts shall be grade 8.8.
All welds shall be 8mm fillet, except where specified

otherwise.
All welds are to be full profile and continuous. all end plates/capping plates are to be F.S.B.W. to RHS/CHS with plate edges prepared. All end plates/capping plates to be profiled to shape of

## All end plates to be a laminar-free material.

For factored design loads refer to drawings. where no force is shown on plans the connection shall be designed for the following loads.

V =75kN (SHEAR) T =75kN (TENSION)

M =50kNM (BENDING MOMENT)

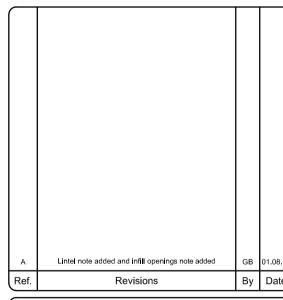
At beam to column connections, the centre line of the column

shall coincide with the centre line of the beam unless noted otherwise

## FIRE PROTECTION

All structural steelwork requires a minimum protection period of 1 hour fire protection.

Unless specifically identified the choice of fire protection material is
M61 intumescent coatings for the protection of steelwork.
M63 board fire protection



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STRUCTURAL SCHEME FOR SECOND FLOOR LEVEL AND MEZZANINE



LAYOUT

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