

## **Steel Members Specifications:**

### **General specifications for Structural Steel supply**

***The following specifications shall apply to all items in the schedule for all Buildings/ blocks and walkways unless otherwise stated***

1. All structural steel work to be grade 43A or 43C.
2. All bolted connections to use grade 8.8 bolts with washers.
3. All holding down bolts shall be of grade 8.8 unless noted otherwise.
4. All welds shall be 8mm thick
5. Steel castings and forgings shall conform to BS 3100 or its equivalent Eurocode (Note: all supplies must be of one code).
6. All materials shall be tested for through thickness properties to the specified quality class. BS 5950-2001, 2.1.2
7. Manufacturer's certificate of test and inspection shall be issued conforming to BS EN
8. 10204 stating the process of manufacture and product grade.
9. Preloaded fasteners shall generally be HSFG bolts with associated nuts and washers.
10. Steel surface coating required shall be Polyurethane coating
11. Structural steel members shall positively be identified by a marking scheme.
12. Cutting shall be by sawing, shearing, cropping or thermal cutting (if permitted). Hand held cutting shall be used only where it is impractical to use machine cutting.
13. Cut edges shall be true to profile and free from major notches and cutting serrations.
14. Round holes for pins shall be drilled, plasmer or laser cut.
15. All measurement shall be done accurately at all stages.
16. Contractor shall submit shop drawings for the approval of the Engineer prior to commencement of fabrication.