

# **1 STRUCTURAL STEELWORK(SECTION 05100)**

## **1.1 Part 1 General**

### **1.1.1 Scope**

- A. This section of the specification gives the requirements for the supply, fabrication, erection and protective coating of structural steelwork.

### **1.1.2 Related Documents**

- A. The following sections of the specification shall be read in conjunction with this section.

Section 01300-Submittals

Section 01400 -Quality control

Section 01600 -Materials and equipment

### **1.1.3 Standards**

- A. All activities relating to this section of the specification shall comply with the following or approved equal standards.

BS 4-1	Structural steel sections. Specification for hot rolled sections
BS 4190	ISO metric black hexagon bolts, screws and nuts Specification.
BS 4395	Specification for high strength friction grip bolts and associated nuts and washers for structural engineering.
BS 5531	Code of practice for safety in erecting structural frames.
BS 5950	Structural use of steelwork in building.
BS EN ISO 9606-1	Qualification test of welders. Fusion welding. Steels.
ISO 14341	Welding consumables. Wire electrodes and deposits for gas shielded metal arc welding of non-alloy and fine grain steels. Classification.
ISO 9712	Nondestructive testing. Qualification and certification of NDT personnel. General principles.
ISO 17637	Nondestructive examination of fusion welds. Visual examination.
BS EN 1011	Welding. Recommendations for welding of metallic materials.