

SECTION 05 00 00 – METALS

1. STRUCTURAL STEEL

- A. Surveys shall be performed by Registered Professional Surveyor.
- B. A Pre-Construction Conference shall be held for Quality Assurance.
- C. AISC certifications for steel fabricators and/or installers (erectors) shall be considered for complex fabrications or erections only. This is not a base requirement for typical steel construction.

2. STRUCTURAL STEEL - FINISHES

- A. Unless specifically designated by the Architect to be “Architecturally Exposed Structural Steel” (AESS), structural steel left permanently exposed to view in the finished construction shall have surfaced prepared to a Steel Structures Painting Council (SSPC) SP-3 finish and shall be shop-primed with a coating compatible with the specified finish paint/coating product.
- B. Interior structural steel not left permanently exposed to view in the finished construction shall be shop-primed.
- C. Note: All structural steel to receive spray-applied fireproofing shall be supplied to the field with a finish confirmed to be compatible with the applied fireproofing materials.
- D. Exterior exposed structural steel that is not specified to receive a finish paint/coating system shall be hot-dip galvanized.

3. STRUCTURAL STEEL FRAMING – FLOOR VIBRATIONS

- A. Vibration of elevated steel-framed floors shall be evaluated in accordance with provisions of AISC Design Guide 11 “Vibrations of Steel-Framed Structural Systems Due to Human Activity.” Design of new steel-framed floor systems shall result in acceleration limits not exceeding the values recommended in the Design Guide.
- B. Assumed damping values used for evaluation of floor vibrations shall be carefully considered and shall not exceed the recommended values in the Design Guide.

4. STRUCTURAL STEEL FRAMING – SPECIAL INSPECTIONS

- A. Provide Special Inspections for steel construction in accordance with provisions outlined in the International Building Code, Chapter 17.