

STRUCTURAL STEEL

- A.** All detailing, fabrication, and erection shall be in accordance with AISC Specifications, Load & Resistance Factor Design
- D.** All welds shall conform to ANSI/AWS D1.1, latest edition
- E.** Columns shall be wide flange shapes. (OPTION) TUBE SECTIONS
- F.** Support beams shall be wide flange shapes
- G.** Stringer shall be wide flange shape
- H.** Steel Finish
 - 1. Powder Coat Option
 - a. All ferrous metal components shall be blast cleaned to an SSPC-6 commercial blast clean.
 - b. Powder for coating shall be a polyester-based thermal setting resin.
 - c. Powder coat system shall meet or exceed the following test requirements:
 - 1. Direct Impact Resistance: ASTM D 2794-93, up to 160 in.-lbs.
 - 2. Flexibility: ASTM D 522-93, Method B, equal to or less than a 1/4 inch mandrel.
 - 3. Pencil Hardness: ASTM D 3363-93a, HB-2H
 - 4. Crosshatch Adhesion: ASTM D 3359-97, Method B, 5B
 - 5. Salt Spray Resistance: ASTM B 117, plus 1,000 hours
 - 6. Humidity Resistance: ASTM D 2247, plus 1,000 hours