DIVISION 5 - METALS

5.01 STEEL

A. STRUCTURAL STEEL


2. Comply with AISC "Specification for Structural Joints using ASTM A325 or A490 Bolts."

3. Comply with AWS "Structural Welding Code".

4. All welders shall be qualified per AWS "Standard Qualification Procedure." Provide certification that welders have passed AWS tests within the past 12 months.

5. Testing agency shall inspect erection, bolted and welded connections, and submit reports or inspections and tests to E&A Services. (Certification of independent inspection of shop-welded and bolted connections submitted by fabricator is acceptable.)

B. STEEL JOISTS

1. Comply with SJI "Standard Specifications and Standard Load Tables for Open WEB Steel Joists." Fabricator shall provide SJI certification.

2. Comply with AWS "Structural Welding Code."

3. All welders qualified per 05100, Note 3.

4. All bridging, including end connections to walls, shall be in place prior to installation of floor or roof deck.

5. Testing agency to inspect erection and welded connections bridging, anchorage, etc., and submit reports to A&E Services.
5.01 STEEL

C. METAL DECKING

1. Comply with AISI "Specifications for the Design of Cold-Formed Steel Structural Members."

2. Comply with SDI "Design Manual for Floor Decks and Roof Decks."

3. Comply with AWS "Structural Welding Code."

4. All welders qualified per 05100, Note 3.

5. Welding washers shall be used for all welds.

6. Minimum 20 gauge deck shall be used for spans 4'-6" to 5'-6", regardless of continuity over supports. All deck shall be galvanized.

7. Testing agency to inspect erection and welded connections and submit reports to E&A Services.