

DIVISION 5 - METALS

A. WELDING

All shop and field welding shall be done by welding operators qualified in accordance with the American Welding Society Standard Qualification Procedure. Current Certificates shall be provided if requested.

B. TESTING

Testing of welds will be completed by the testing agency as directed by the Owner or Architect. Cost for testing services will be paid by the Owner.

C. STRUCTURAL METAL

1. Include a statement similar to the following:
"The AISC Specification for the Design, Fabrication, and Erection of Structural Steel for Buildings, latest edition, and the AISC Code of Standard Practice for Steel Buildings and Bridges, latest edition, are hereby made a part of these specifications to the same extent as if they were written herein, except as they may be amended or superseded by these specifications or the drawings."
2. Splices of material not specifically shown on the drawings will not be permitted without written permission from the Architect and Structural Engineer.
3. Shop drawings will be required for this section of the Specifications.
4. Shop paint all members (except those embedded in concrete) with rust inhibitive paint. After erection, touch up connections and abrasions with same type of paint.
5. Specify baseplate-grouting requirements.
6. Contractor shall submit the qualifications of the erector to Owner and Architect for consideration and approval prior to the start of the erection.

D. STEEL JOISTS

1. Follow recommendations of AISC/SJI Standard Specifications.
2. Shop drawings are required for this section.
3. Shop paint all joists with rust-inhibitive paint.
4. Specify specific bridging and lateral support requirements.
5. Remove fabrication tags from exposed ceiling/roof joists.

E. METAL DECK

1. Erector qualifications: 5 years minimum experience on comparable roof deck projects.
2. Panel design in accordance with American Steel and Iron Institute's "Specification for the Design of Light Gauge Structural Steel Members," latest edition.
3. Use acoustical deck at all interior exposed locations, as may be applicable.
4. Use sump pans for all main roof drains.

F. METAL FABRICATIONS

Fabrications shall include but not be limited to the following:

1. Ladders or stairs to roof. Ladders between different roof levels. Stairs are preferred.
2. Doorstops. Provide pipe rail doorstops at each exterior door where wall stops are not practical.

3. Footscrapers. Provide one at each building entrance as indicated on drawings.
4. Handrails. Locations as required by code. Provide for sufficient anchorage for various conditions. Provide handrails at sides of stage or platform risers.
5. Trench covers and gratings should meet ADA requirements.
6. Roof Access Hatch. Minimum 3' x 3', with 14 gauge cover. Omit outside handle and hasp.
7. Building Expansion Joints. Metal covers at floor, wall, and ceiling.
8. Supports for stage lights, operable partitions, and all curtains.

<<<<END OF DIVISION 5>>>>