

**GENERAL:**

Summary - This Section includes shop fabricated items, usually of galvanized or primed painted steel, 12 gage (2.5 mm thickness) or heavier; steel stair construction and railings.

Comply with all applicable governing codes, ADA Regulations and Florida Building Code. Indicate all code related dimensions on the Drawings, i.e., stair widths, rail sizes, etc.

Design and Specify the following:

Shop Painting

For shop coat painting furnish a carefully worded specification relative to cleaning of metal, quality of material, workmanship and min. thickness of dry film. All iron and steel items must have additional coats applied at the job, and these should not be overlooked under the Painting Division.

Structural Metal

All structural steel work shall conform to AISC Specifications **for the Design, Fabrication and Erection of Structural Steel for Buildings.**

Metal Fabrications

Use galvanized steel angles on all exterior masonry, stone or precast concrete walls and in all interior walls where used in conjunction with stone. Galvanized handrail shall be post fabrication, hot dipped galvanized. This requirement shall be clearly stated in the Construction Documents. Metal components will include gratings, castings, supports for ceiling hung equipment and framed partitions, construction inserts and fastening devices, expansion joint inserts and covers, stair nosing and access doors for both ceiling and wall applications. Vertical ladder for elevator pit. Welded steel ladder to meet OSHA. Finish to be hot-dip galvanized after fabrication. Elevator pit sump gratings with frames or cast iron. Corner guard angles will be in accordance with ASTM A36. Steel angles, channels and clips with shop primer. Pipe sleeves for mechanical and electrical trades. Trench drain gratings and frames. Galvanized steel corner guards.

Handrails and Railings

Rails--1 1/4" standard steel pipe size is preferred.

Posts—2" x 2 1/2" standard steel pipe size is preferred.

**NOTE: Consideration should be given to galvanized application to the above for exterior application.**

Expansion Control

Complete system of compatible materials to produce waterproof expansion joint seals including matching wall, deck and wall, wall and roof and wall intersection systems.

**END OF SECTION 05500**