

SECTION 05515

METAL LADDERS

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the requirements for providing the following types of ladders:

1. Steel ladders at Penthouse.

B. Related Sections:

1. Metal fabrications are specified in Section 05500.

1.02 SUBMITTALS

A. Product Data: Manufacturer's specifications and installation instructions.

B. Shop Drawings: Include plans, elevations, sections and details of components and connections.

1.03 QUALITY ASSURANCE

A. Ladders shall comply with OSHA/ANSI A14.3 standards.

PART 2 - PRODUCTS

2.01 STEEL LADDERS

A. Comply with the requirements of ANSI A14.3, except as otherwise indicated.

B. Side Rails: 1/2-inch x 2-1/2-inch continuous structural steel flat bar with eased edges, spaced 18-inches apart.

C. Rungs: 3/4-inch solid structural steel bar, spaced 12-inches on center.

D. Fit rungs in centerline of side rails, plug weld and grind smooth on outer rail faces.

E. Support at top and bottom and at intermediate points spaced not more than 5'-0" on center.

F. Use welded or bolted steel brackets, designed for adequate support and anchorage, and to hold the ladder clear of the wall surface with a minimum of 7-inch clearance to centerline of rungs.

G. Extend rails 42-inches above top rung, and return rails to wall or structure unless other secure handholds are provided.

H. If adjacent structure does not extend above the top rung, goose-neck the extended rails back to the structure.

I. Provide non-slip surface on the top of each rung.

J. Finish: Shop primed.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Fastening to In-Place Construction: Provide anchorage devices and fasteners for securing to in-place construction.

B. Install ladders accurately in location, alignment and elevation, and plumb.

END OF SECTION