

1 General

.1 Codes & Standards

- .a Comply with applicable provisions of AISC “Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings” and AWS “Structural Welding Code”, unless otherwise indicated.
- .b All bolts, nails, staples, hinges and other items exposed to the weather shall be hot-dipped galvanized steel, stainless steel or brass. Use of cadmium-plated items is not accepted in assemblies exposed to weather.

2 Products

.1 Structural Steel

- .a ASTM A36.
- .b Slope structure where possible to achieve proper roof drainage.

.2 Joists

- .a Comply with Steel Joist Institute specifications for chord and web members.

.3 Decking

- .a Comply with SDI Specifications and Commentary for Steel Roof Deck” in SDI Publication.
- .b Decking to be painted shall be factory-primed.
- .c All exposed decking with exception of painted exposed decking shall be hot-dipped galvanized.
- .d Owner preference is to avoid exposed fasteners in exposed decking.

.4 Grout

- .a Nonmetallic, shrinkage resistant grout, non-corrosive and non-staining, complying with ASTM C 1107.

.5 Cold-Formed Metal Framing

- .a Exterior Load Bearing Wall Framing: C-shaped steel studs, size and metal thickness as required for structural performance.
- .b Vertical Deflection Clips: To accommodate upward and downward vertical displacement of primary structure.
- .c Single Deflection Tracks: May be used in lieu of vertical deflection clips.
- .d Floor, Roof or Ceiling Framing: Use primarily for park structures.

.6 Metal Fabrications

- .a Exterior Steel Ladders: Prime and paint with high-performance coating system.
- .b Exterior Aluminum Ladders: Mill finish aluminum.
- .c Ladder Safety Cages: As required by OSHA regulations.
- .d Pre-Engineered Buildings: Acceptable pending owner approval.

.7 Metal Stairs

- .a Concrete filled metal pan type; use for fire stairs and exterior stairs; shall be factory primed and painted.
- .b Monumental Stairs: Terrazzo treads; prime and paint risers and stringers with high-performance coating system.

.8 Handrails

- .a Owner preference is that all exterior handrails be stainless steel. Galvanized may be used in certain circumstances with approval from owner. No field welding.
- .b Handrails in non-public areas may be painted steel.
- .c Ornamental Handrails: Designer preference subject to Owner approval.

.9 Joint Systems

- .a Floor Expansion Joint Covers: Floor-to-floor and floor-to-wall to be stainless steel.
- .b Wall Expansion Joint Covers: Designer preference. Designer preference subject to Owner approval.
- .c Exterior Joint Covers: Provide stainless steel metal covers on all exterior expansion joints over 1-inch wide.

.10 Finishes

- .a All exterior exposed ferrous metals shall be primed and painted with high-performance coating system.
- .b Exposed lintels to be galvanized steel.
- .c Interior exposed steel to be factory primed and painted with high-performance coating system.

.11 Ladders

- .a Provide metal ladder to roof with locked scuttle or ladder guard. Provide stair for roof access, if feasible.
- .b Ladders **shall** be attached or anchored in solid building materials. Anchoring in drywall is unsafe and **is not** acceptable.