See Concrete Curb Plan Sheet for Joint Details

Inside Elevation of Railing

Anchor Detail

Section A-A

Rail Post Cap Detail

Rail Post

Rail Spindles

Design Note

General Notes

Continuous ground all metal railings. See the special provisions relative to the electrical plans and electrical special provisions for details regarding bonding multiple electrical grounding systems.

Payment Length shall be measured as the cut to cut length along the centerline of the railing from the outside edge with reductions for the length of concrete posts if present.

Provide A3386, Grade 6 Structural Steel. Use grade 50 in the rail conforming to SPEL. Provide all other steel in accordance with SPEL. 3386.

Galvanize Bolts, Nuts, Washers and Anchors in accordance with SPEC 3386. All other structural Steel in accordance with SPEL 3386. After galvanization.

Provide special provisions for coating to be applied to metal railings. Install rail posts and spindles normal to grade or plumb. Curve horizontal rails where applicable and place rails parallel to the edge of sidewalk profile.

Provide special provisions for requirements not included on this sheet.

Drill 5/16" holes max. Vent holes on the underside of rail tubes as necessary to facilitate galvanizing.

1. Drill vent hole in the rail post through 1/2" of the underside of the post as necessary to facilitate galvanizing. Maximum hole size is 5/16".

Provide a Pyramidal top style Steel cap. Weld to top of post. Facilitate galvanizing.

Galvanize sill with 5/16" galvanized rod in accordance with SPEC 3376, Type A. Weld with hex nut and washer. Provide a special design with a minimum protrusion of 1/2" on the Stainless Steel. The rail post is designed to a minimum embedment of 10 inches. Provide the anchorage no less than 6" required by the manufacturer. Provide proof load to 12 kips. See special provisions for additional requirements.

Continuous Ground all Metal Railings; See the Special Provisions for Requirements Not Included on this Sheet.

Antenna Detail

Reference October 22, 2019

Page Dimensions: 1224.0 x 792.0