

ITEM 01615.8004 M - STEEL HAND RAIL

Description:

The work shall consist of furnishing and installing steel hand railing where indicated on the Contract Plans.

Materials:

1. Posts, rails and pickets shall be of carbon steel meeting the requirements of ASTM A108 Grade 1010 and dimensioned as shown on the Plans.
2. Primer shall be dull orange meeting the requirements of Section 708-03, Dull Orange Primer.
3. Paint shall be black meeting the requirements of Section 708-14, Black Paint.
4. The grout shall meet the specifications of Section 701-05, Concrete Grouting Material.

Construction Details:

The railing, posts and pickets shall be fabricated to the dimensions shown on the Contract Plans. The pickets shall be cut in a plane parallel to the slope prior to welding to the top and bottom rails. All welding shall be performed by qualified workman and all welds ground smooth. Upon completion of the rail, fabrication, the entire surface shall be covered with a single coat of the specified dull orange primer.

The installation shall be as shown on the plans or as directed by the Engineer.

After completing the installation of the steel hand rail at the job site, any damages to the previously primed railing shall be repaired as directed by the Engineer and two (2) coats of black paint applied meeting the material requirements specified. The paint shall be applied by brush. The time interval between coats of paint shall be as approved by the Engineer.

Method of Measurement:

Steel hand rail will be measured as the number of meters, to the nearest tenth of a meter, along the top of the rail from center to center of end posts, properly furnished and installed in accordance with the requirements of the Plans, specifications and direction of the Engineer.

Basis of Payment:

The unit price bid per meter shall include the cost of furnishing all labor, materials and equipment necessary to complete the work in accordance with the Contract Documents and as ordered by the Engineer.