

ITEM 25587.3101 M - PARAPET PROTECTIVE BARRIER OVER RAILROADS

1. DESCRIPTION:

1.01 The Contractor shall furnish and install a protective barrier with horizontal conductive cable over the railroad tracks at the locations indicated in the Contract Plans or as directed by the Engineer.

2. MATERIALS:

2.01 The protective panels shall be 12 mm rigidized stainless steel - 302 or 304 alloy, mill finish Pattern IRL. A polyester powder coating steel bronze texture in color shall be shop applied. The color may be revised with approval of the Engineer.

Steel supporting members for protective barrier shall meet the following requirements:

Posts, Plates ASTM A 36M
Nuts, Bolts, Washers ASTM A307

All steel and appurtenances shall be galvanized in accordance with the requirements of ASTM A123 Type 1.

Shop drawings shall be submitted to the Engineer for approval prior to ordering materials.

The Contractor shall supply the Engineer with the manufacturer's published recommendations at the time shop drawings are submitted. Sealant shall be in accordance with the manufacturer's instructions.

3. CONSTRUCTION DETAILS:

3.01 Installation of the protective barrier shall be performed in accordance with the requirements of manufacturer's published recommendations.

The protective barrier shall be grounded. The Contractor shall submit to the Engineer for approval the method of attachment of the horizontal conductive cable to the protective angle on the protective barrier.

Ground cable shall be grounded at each end by the Metro-North Power Department in accordance with the local electrical code.

4. METHOD OF MEASUREMENT:

4.01 Measurement will be taken as the number of linear meter of the protective barrier installed as measured along the face of the panels from center of end post to center of end post.

5. BASIS OF PAYMENT:

5.01 The unit price bid shall include the cost of all labor, equipment and materials necessary to complete the work. Anchor bolts shall be cast in place and included in the price bid for this item.