

ITEM 607.9905 11 - SPECIAL PROTECTIVE SCREENING

DESCRIPTION:

This work shall consist of furnishing and installing special protective screening, including all hardware and construction systems necessary to complete the work. Protective screening shall be fabricated and installed according to the details and at the locations indicated on the Contract Documents.

MATERIALS:

Materials shall meet the requirements as noted on the Contract Documents, and as in the following subsections of the NYSDOT Standard Specifications:

Concrete Grouting Material	701-05
Galvanized Coatings and Repair Methods	719-01
Anchor Bolts	723-60
Paint	708
Painting Procedures	740

CONSTRUCTION DETAILS:

The requirements of Standard Specifications Section 568-3.01 shall apply except as noted herein or on the Contract Documents. In Section 568-3.01 the terms “railing” and “rails” shall be interpreted as “protective screening”. Subsections 568-3.01 A, B, C, D, E, F, G, H, L, M and N shall apply.

Protective screening panels and gates, including wire mesh, channels, posts and all hardware shall be galvanized after fabrication. All welded connections shall be shop fabricated except as otherwise noted. The protective screening shall be fabricated, transported, and erected in accordance with the provisions of the NYSDOT Steel Construction Manual and approved shop drawings, except the term “D.C.E.S” shall be interpreted as “the Engineer”. Prior to submitting shop drawings, the Contractor shall field verify the protective screening panel lengths, heights, and geometric features shown on the Contract Documents. Panel dimensions, and geometry proposed in variance with the contract drawings, due to field conditions, fabrication constraints, or for other reasons shall be clearly indicated on the shop drawings.

Locking devices for protective screening gates shall be selected by the Engineer in consultation with the owner of the property protected by the gate.

The color and method of painting of the protective screening framework and wire mesh shall be as indicated on the drawings.

Sample Panels

The Contractor shall construct a 1.00 m x 1.00 m sample protective screening panel, complete with wire mesh, channels and posts for approval by the Engineer prior to installation to demonstrate construction techniques. Materials used in the sample protective screening panel, including paint, shall be the actual materials to be used in the construction of the final product. If the sample is rejected by the Engineer, the Contractor shall construct additional sample panels as required until the Engineer’s approval is granted.

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METHOD OF MEASUREMENT:

The work will be measured for payment as the number of meters of Special Protective Screening, measured along the centerline of railing anchorage between the extreme outer limits indicated on the contract documents, furnished and installed in accordance with the plans, specifications or as directed by the Engineer.

BASIS OF PAYMENT:

The unit price bid for Special Protective Screening shall include the cost of all labor, material and equipment necessary to satisfactorily perform the work. The cost for leveling and grouting under base plates, providing sample protective screening panels, and furnishing and installing protective screening gates, including gate locking devices, shall also be included in this item. Drilling and grouting of anchor bolts to be paid for under a separate item.