

**DESCRIPTION**

This work shall consist of furnishing and installing a Steel Access Staircase with treads, risers, nosings, stringers, columns, bracings and all necessary connections to complete the installation in accordance with the Contract Documents and as directed by the Engineer.

**MATERIALS**

Structural Steel for stair channel stringers, columns, bracing, connection angles and plates shall be ASTM A709M Grade 345 and conform to the requirements of Section 715-01, Structural Steel. Bolts, nuts and washers shall conform to Section 715-14, High Strength Bolts and Washers. Anchor bolts shall conform to Section 723-60, Anchor Bolts.

Paint for stair channel stringers, columns, bracing, connection angles and plates shall conform to Section 572-2, Structural Steel Paint System: Shop Applied.

Stair treads shall be cast iron with #24 virgin grain Silicon Carbide Granules embedded into the walking surface while the matrix is in a molten state. Treads shall include holes in front nose and rear toe plate for fastening to risers. Treads shall conform to the requirements of Section 715-05, Asphalt Concrete Curb. Risers shall be ASTM A709 Grade 345 and shall conform to Section 715-01, Structural Steel.

Overall dimensions of treads, risers and nosing shall be as shown in the plans.

Shop drawings shall be prepared in accordance with the provisions of the NYS Steel Construction Manual. The Contractor shall submit shop drawings and catalogue cuts to the Engineer for review and approval.

**CONSTRUCTION DETAILS**

The stairs shall be preassembled prior to installation. All welding shall be performed in accordance the New York State Steel Construction Manual and all welds shall be ground smooth.

Connections between the steel stair stringers, columns and the concrete bases shall be made using anchor bolts.

All material shall be blast cleaned to provide for a uniform appearance as per Section 572-3.01, Construction Details, Cleaning.

Painting for stair channel stringers, columns, bracings, connection angles and plates shall conform to Section 572-3, Construction Details.

**METHOD OF MEASUREMENT**

This work will be measured on a lump sum basis.

**BASIS OF PAYMENT**

The lump sum price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.

DISAPPROVED BY EI 12-001