ITEM 634.10010039 - UNIT STAIR ASSEMBLY SYSTEM

DESCRIPTION
This work shall consist of furnishing and installing a unit stair assembly system to replace the existing items in-kind as indicated in the contract documents and as directed by the Engineer.

Definition:
Unit Stair Assembly: A unit stair assembly shall include:
- structural steel stairs
- landings
- pipe handrail

MATERIALS
The following section of the standard specifications shall apply:

Structural Steel 715-01
Galvanized Coatings and Repair Methods 719-01

The following ASTM specifications shall apply:

- Standard Specification for Pipe, Steel, Black and Hot-Dipped Zinc-Coated, Welded and Seamless A53
- Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength A307
- Standard Specification for High Strength Structural Bolts Steel and Alloy Steel, Heat Treated, 120 ksi (1040 MPa) Minimum Tensile Strength, Inch and Metric Dimensions F3125

Pipe railing shall meet ASTM A53-Grade B.

Stair treads shall be as indicated in the contract documents. Other payment items may apply. Refer to the contract documents for other payment items associated with this work.

All stair connecting hardware for stair stringers and landings shall be ASTM A325 bolts.

All other stair connecting hardware shall be ASTM A307, ASTM F3125, or Type 8 bolts.

Galvanizing:
A. All steel used in the fabrication of the catwalk extension and railing shall be galvanized in accordance with §719-01, Type I. All welding, cutting and drilling shall be done prior to galvanization, and all bolting shall be done after galvanization, except as approved.
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B. All hardware galvanizing shall be in accordance with §719-01, Type II.

CONSTRUCTION DETAILS
The Contractor shall carefully remove the existing stairs, landings, wooden stair treads, and handrail system, and supports off the tower structure and use them as a template to fabricate the new replacement steel stair system.

All structural steel work including fabrication, welding, inspection and erection shall be done in accordance with the provisions of the NYSSCM.

Shop drawings are required for this work. Shop drawings shall be prepared in accordance with the provisions of the NYSSCM.

The Contractor shall field verify all existing stair system and support steel dimensions required to ensure accurate shop drawings.

METHOD OF MEASUREMENT
This work shall be measured as the number of each unit stair assembly system installed.

BASIS OF PAYMENT
The unit price per each unit stair assembly system furnished and installed shall include the cost of all labor, material and equipment necessary to satisfactorily complete the work.