

ITEM 11557.4101 M - STAINLESS STEEL GRID DECK FOR FIXED PIER

DESCRIPTION

Under this item the Contractor shall furnish and install stainless steel grid deck at the fixed pier, in accordance with the Contract Drawings, these specifications and/or as ordered by the Engineer.

MATERIALS

Steel Grid Deck to be closed mesh rectangular design. Material to be Type 304 stainless steel. Main bars to be 38mm x 5mm spaced at 11mm center to center. Cross bars to be of rectangular cross section, flush top, and spaced at 100mm center to center. Main bars and crossbars shall be slotted at their intersections so as not to remove excessive material from the load-sustaining members. Main bars to be "dovetail" slotted and have their slots solidly filled by the cross bars. Grating to be radially cut where shown on the plans. Finish shall be mill finish. Overall dimensions of grid deck work shall be as shown in the plans.

CONSTRUCTION DETAILS

Examine the areas and conditions where the grid deck is to be installed and notify the Engineer of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the grid deck. Grid deck panels to be radially cut as shown on the plans. All perimeter intersections of main and cross bars of all grid deck panels to be shop welded. Provide anchorage devices and fasteners as shown on the plans to affix the grid deck to the bridge and pier superstructures. Set work accurately in location, alignment and elevation, plumb, level, true and free of rack, measured from established lines and levels.

METHOD OF MEASUREMENT

This item shall be measured for payment on square meter basis for installed stainless steel grid deck for the work completed in accordance with the Contract Documents and as ordered by the Engineer.

BASIS OF PAYMENT

The square meter price shall include the cost of furnishing all labor, material, equipment and appliances, including fasteners, necessary to complete the work as indicated on the plans, and as specified under this item.