

## ITEM 09615.6012 M - OPTIONAL TYPE STAIR RAILING

### DESCRIPTION

The Contractor shall fabricate, furnish and install aluminum or stainless steel stair railings in accordance with the contract plans at the locations specified and as directed by the Engineer-in-Charge.

### MATERIALS

Aluminum post and rail shall be Alloy 6063-T52 and Alloy 6063-T832, 38 mm outside diameter schedule 40 pipe with a mill finish.

Steel post and rails shall be type 304 Schedule 5 - Ornamental Grade 38 mm outside diameter stainless steel pipe with No. 4 polished finish.

Brackets, connector sleeves, tees, elbows and anchorage flange shall be of the same material as post and rail option selected.

Anchor Bolts:	710-23
Sleeve Anchor Units:	When specified shall be as specified on the plans or as approved.

### CONSTRUCTION DETAILS

Railing assemblies shall be fabricated to the shapes and dimensions shown on the contract drawings using appropriate brackets, connecting sleeves, tees, elbows, anchorage flanges and appropriate lengths of pipe as specified for post and rails to assemble railings in accordance with the manufacturer's specifications and fabrication details. A copy of the manufacturing specifications and fabrication details shall be furnished to the Engineer and the fabricator shall certify all materials and workmanship are in compliance with the manufacturer's specifications and fabrication details for the type of railing selected.

Railing anchors shall be provided as approved when step units and landings are poured in place.

Railing sections shall be set such that all vertical members are plumb.

### METHOD OF MEASUREMENT

This work will be measured as the number of linear meters of railing fabricated and placed in accordance with the plans and to the satisfaction of the Engineer measured along the top of rail to the pay limits shown on the plans. Payment shall be made to the nearest tenth of a meter of rail.

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**BASIS OF PAYMENT**

The unit price bid shall include all materials in conformance with the specification, equipment and labor necessary to complete the work as specified and to the satisfaction of the Engineer-in-Charge, including submission of shop drawings for approval.

DISAPPROVED  
BY EI 12-001