

ITEM 08607.4003 M - GALVANIZED STEEL PICKET FENCE (1065 mm HIGH)

ITEM 08607.4005 M - GALVANIZED STEEL PICKET FENCE (1675 mm HIGH)

ITEM 08607.400510 M - GALVANIZED STEEL PICKET FENCE (TRANSITION 1065 mm TO 1675 mm HIGH)

ITEM 08607.4050 M - STEEL HANDRAIL

DESCRIPTION:

Under this item the contractor shall furnish and install galvanized steel picket fence and/or handrail as shown on the plans or as directed by the Engineer.

MATERIALS:

Posts, rails, angles, plates, and pickets shall be roll formed shapes with a minimum yield strength of 241,317 kPa and 12% elongation in 51 mm gauge length. All shapes including those of less than 3 mm thickness shall be galvanized in accordance with §719-01 Type 1.

All bolts, nuts, and washers shall be sized as shown on the plans and shall conform to the following:

Bolts:	ASTM Grade A-307 Grade A, Hot dip galvanized ASTM Grade A-354 Tamper Proof Bolts, Hot dip galvanized
Nuts:	ASTM Grade A-563 Grade O, Hot dip galvanized
Washers:	ASTM Grade F-844, Hot dip galvanized

Anchor bolts shall be sized as shown on the plans and meet the requirements of §723-60.

Welding electrodes for manual shielded metal arc welding shall conform to the E60 or E70 series of ASTM A-233.

Portland Cement Concrete used for bases shall be Class A or C conforming to the requirements of section 501 Portland Cement Concrete - General except that requirements for automatic batching do not apply.

Subsection 740-03 shall apply before painting the galvanized fence and/or handrail. The picket fence and/or handrail shall be primed and painted as per §740-01, except that the finish coat shall be as specified on plans.

CONSTRUCTION DETAILS:

The fence shall be installed at the location and in the size and manner as shown on the plans and in accordance with §607-3.01. Posts installed with plates and anchor bolts shall be installed as shown on the plans.

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METHOD OF MEASUREMENT:

The quantity to be paid for will be the number of linear meters of galvanized, steel picket fence and/or handrail furnished and installed, measured along the centerline of the top rail.

BASIS OF PAYMENT:

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

Any cost associated with additional field welding, cutting, galvanization, painting or other construction procedure relating to fence installation and mounting shall be included in this item.