

ITEM 07607.9722 M - VINYL FENCE - 2 RAIL POST AND RAIL

DESCRIPTION:

This work shall consist of furnishing and erecting a 2-rail, post and rail, vinyl fence system at the locations shown on the plans. Construction of the fencing shall be done in accordance with this specification, the plans, and the manufacturer's instructions.

MATERIALS:

Supplier of the 2-rail post and rail system which conform to the contract documents include, but are not limited to the following:

Master Halco
P.O. Box 365
La Habra, CA 90633

Model: Legend or approved similar
www.fenceonline.com

Certainteed Corporation
2525 Walden Ave.
Buffalo, NY 14225

Model: Bufftech, Evernew, or approved similar
www.certainteed.com

Or equal as approved by the Engineer

Components:

All posts, rail, and post caps shall be of high impact, Ultra Violet (U.V.) Resistant, rigid Polyvinyl Chloride(PVC), and shall comply with ASTM D1784, Class 14344B

Unless otherwise stated in the contract documents all materials are to be white in color.

Posts:

Definition: The vertical support members of the fence.

All posts shall be 127 mm X 127 mm with an above ground height of no less than 914 mm.

The wall thickness shall be a minimum of 4 mm.

The embedment depth shall be a minimum of 610mm or as per manufacturer's specification.

All posts shall be mounted in the ground and set in concrete as per the manufacturer's specification.

The Post spacing shall be 2438 mm center to center or as directed by the Engineer.

Rails: (2-Rail system)

Definition: The horizontal members of the fence.

All rails are to be 38 mm X 140 mm and one piece from post to post.

The wall thickness shall be a minimum of 2.25 mm. All rails are to be ribbed.

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Post Caps:

Caps are to be molded, one piece, with a cross section sized as required for installation to the top of the posts.

The post caps are to be formed for concealed attachment to top of posts.

Style is to be approved by the Engineer.

Fittings and Connections

External screws and brackets are not acceptable.

Rails are to be secured to posts with tabs, lock rings, or similar internal mechanism.

Post caps are to snap fit into place.

Holes in the post to receive the rail shall be routed and centered on the post.

Warranty

All applicable Manufacturer's warranties shall apply. All information regarding the warranty will be presented to the property owner through the Engineer.

CONSTRUCTION DETAILS:

The Contractor shall submit three (3) copies of catalog cuts or detailed shop drawings to the Engineer for review. Drawings shall show clearly all materials, finishes, and connecting and joining methods. No work shall commence prior to the approval by the Engineer.

The Contractor shall furnish and install posts and rails plumb and true to the lines, grades, and limits established by the Engineer and according to the details as shown on the plans and as directed by the Engineer.

The vinyl fence shall be erected at the location(s) shown on the plans. Except as otherwise specified, installation details and procedures shall conform to the manufacturer's installation procedure.

Assembly of the fence components shall be performed in strict accordance with manufacturer's recommendations for installation. All work shall be free of blemishes or defects which can affect durability, strength or appearance.

METHOD OF MEASUREMENT:

The quantity of post and rail fence to be paid for shall be the number of linear meters of fence measured along the top of the fencing, center to center of end posts, furnished and placed as shown on the contract plans. No additional allowances shall be made for end or corner posts.

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BASIS OF PAYMENT:

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work in accordance with this specification, manufacturer's recommendation, and to the satisfaction of the Engineer.