

ITEM 615.8099 08 - TIMBER PEDESTRIAN RAILING

DESCRIPTION

This work shall consist of furnishing and erecting timber pedestrian railing in accordance with the plans and specifications and directions of the Engineer.

MATERIALS

The posts and rails shall be manufactured of No. I common Douglas Fir or Yellow Pine.

The posts and rails shall be well manufactured in accordance with details shown on the plans. All exposed corners and faces shall be free from damage, dog holes, pike or cant holes.

All fabrication shall be performed prior to treatment. Where field cuts have to be made, the cut ends shall have two coats of concentrated preservative brushed on. Certificate of compliance from the treating plant shall be forwarded to the Engineer.

Bolts, nuts and washers shall conform to ASTM F568, Class 4.6 and they shall be galvanized in accordance with Subsection 719-01, Type 11.

Preservative Treatment: All wood components shall be pressure preservative treated in strict accordance with provisions of the AWPA Standards. Wood shall be seasoned, either by air drying or kiln drying, and the moisture content prior to treatment shall be not more than 25%. Wood shall be treated with CCA preservative Type B or Type C to a net reduction of 6.5 kilograms per cubic meter. The preservative shall penetrate 65 mm or 85% of the sapwood. All details of treatment method, quality, control and product testing shall be in accordance with the appropriate AWPA Standards.

If any other preservative treatment is proposed, the contractor shall submit documentation that such treatment conforms to the AWPA Standards for treatment of the wood for the intended use.

Posts shall be kiln dried after treatment application is complete.

Bagged stone shall conform to Subsection 703-02, Coarse Aggregate, Size 2.

CONSTRUCTION DETAILS

The installation shall conform to applicable provisions of Subsection 606-3 except as otherwise herein specified.

The posts may not be driven but shall be installed in excavated holes. A burlap bag containing 0.03 cubic meters of stone shall be placed in the excavated hole directly under each railing post. The post holes shall be completely backfilled and well tamped.

METHOD OF MEASUREMENT

The work will be measured as the number of meters of timber pedestrian railing actually installed. Measurements will be taken along the front face of the rail between its extreme limits.

BASIS OF PAYMENT

The unit price bid per meter shall include the cost of all labor, materials and equipment necessary to complete this work. Excavation and backfill are included in the cost of this item.