



SECTION A-A

REMOVEABLE PANEL JOINT DETAIL

Shown at Top Rail.
Middle and Bottom Rail similar.

GENERAL NOTES:

1. All rails and posts shall be 2 1/2" x 2 1/2" x 3/16" structural tubing. Tubing for all rails and posts shall conform to ASTM A500, Grade B. Balusters shall be 3/4" x 3/4" steel bar. Balusters and base plates shall conform to ASTM A709, Grade 36.
2. Galvanize and paint all rails, posts, balusters and base plates after fabrication. Galvanization shall be in accordance with ASTM A123 and Missouri Standard Specification for Highway Construction Sec. 1081. Fence shall be painted with System G (Black) in accordance with Sec 1081. Black color shall be federal color number 17038.
3. Rails and base plates shall be set parallel to top of slab. All posts and balusters shall be set vertical. Grout shall be used between concrete and base plate of post.
4. All rail-to-post welded connections shall be ground smooth. No field welding will be permitted. The Contractor shall submit shop drawings to the Engineer for approval prior to fabrication of the fence.
5. Use E70 XX electrodes for all welding.
6. All material, labor, splices, grout, and installation shall be paid for under the bid item "Pedestrian Fence" per linear foot.
7. A grouted leveling pad shall be used to erect the posts vertical. The leveling pads shall be a non-shrink grout as approved by the Engineer. The grout shall be mixed, applied and cured according to the manufacturer's recommendations.
8. Concrete anchors, nuts and washers shall be galvanized in accordance with ASTM A153 and Sec.1081.
9. Nuts shall conform to ASTM A307. Nuts shall be regular hexagon type. Washers shall be of standard commercial quality.
10. The concrete anchors shall have a minimum ultimate pullout strength of 7900 lbs. based on the concrete. The length of embedment into concrete shall conform to manufacturer's recommendations.

<i>J.L.B.</i>	1/1/12
Approved	Date
Revisions	



STEEL PEDESTRIAN FENCE

140.01B