

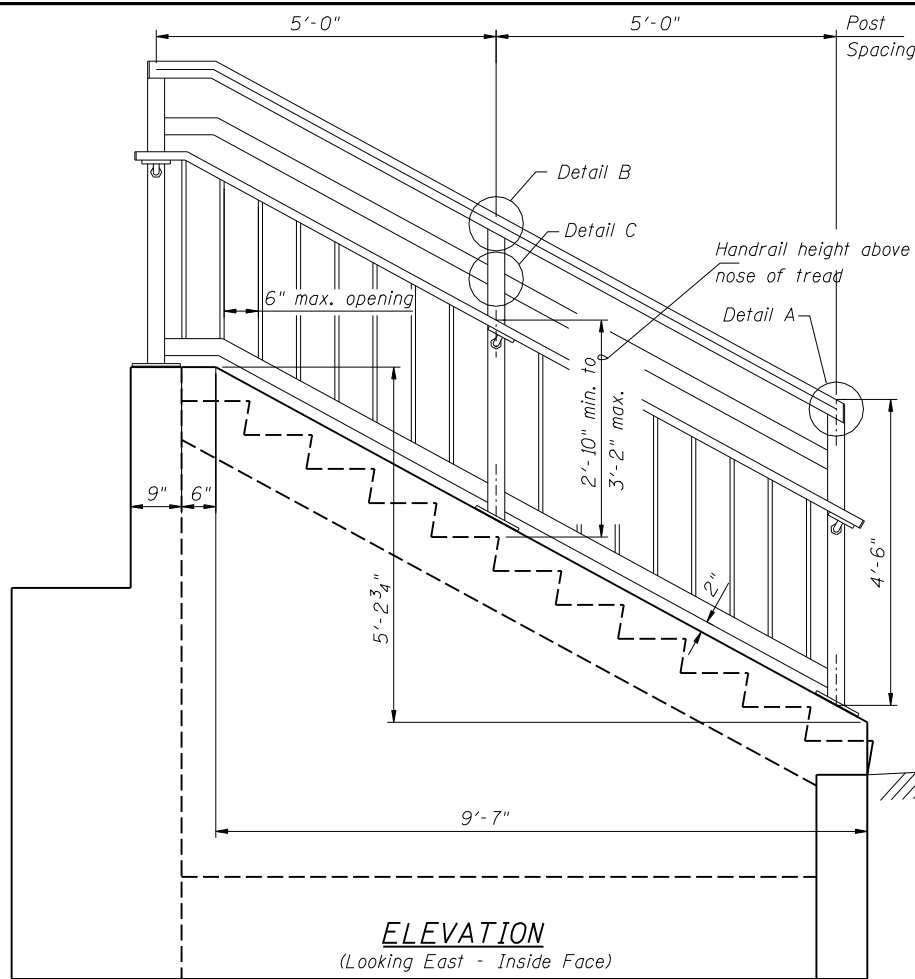
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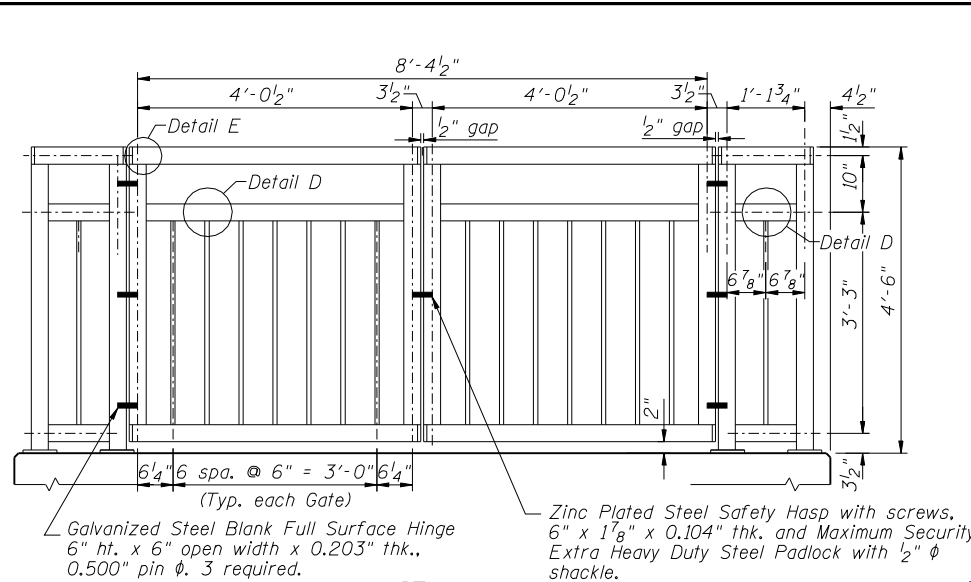
2/14/2011

Designed By TMM Checked By JUF

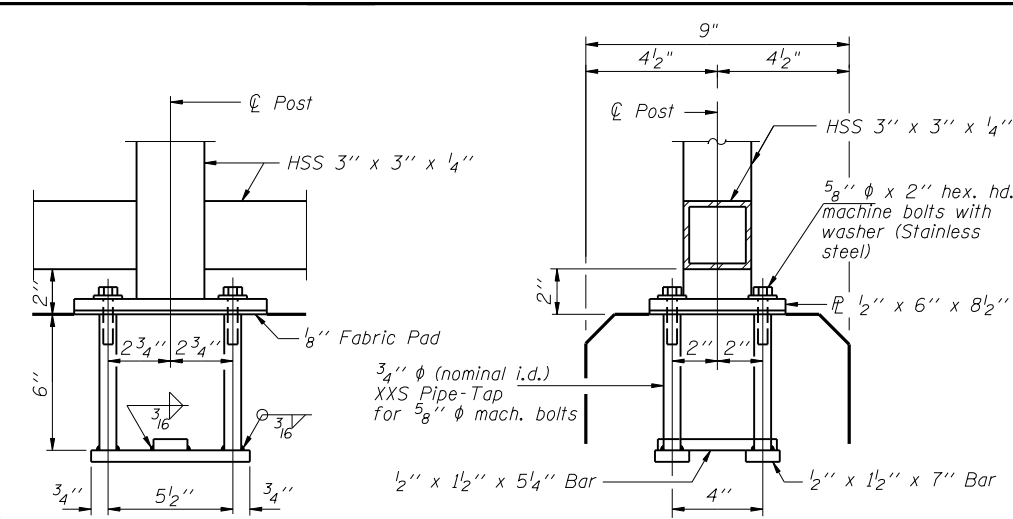
Drawn By JUF Checked By TMM



ELEVATION
(Looking East - Inside Face)

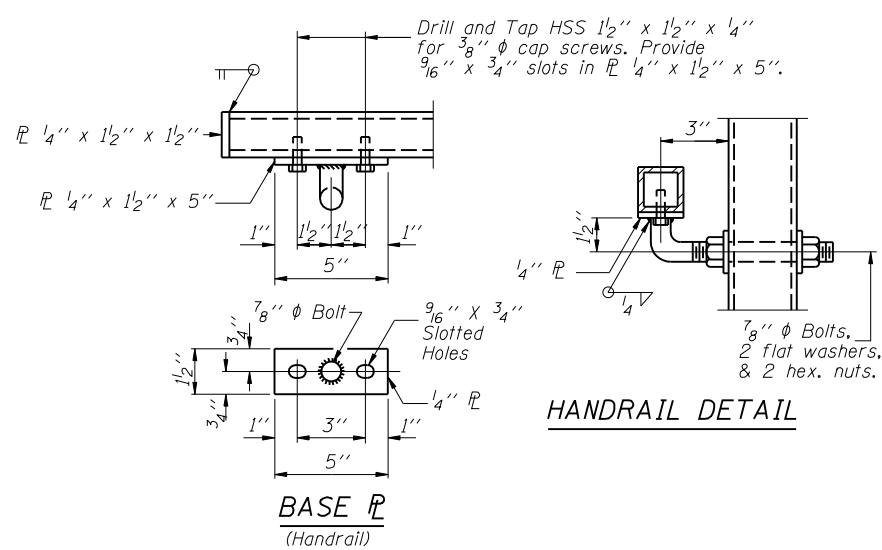


VIEW A-A



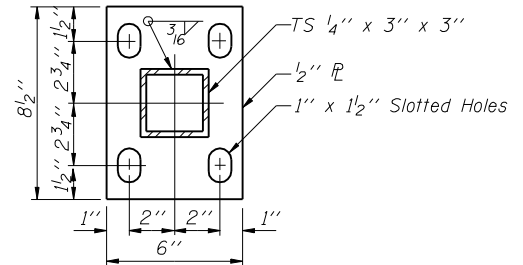
ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting 5/8" phi anchor rods. Embedment shall be according to the manufacturer's specifications.

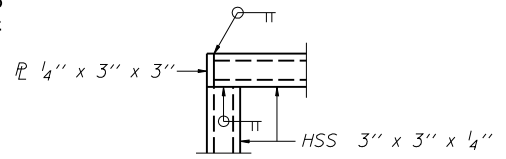


HANDRAIL DETAIL

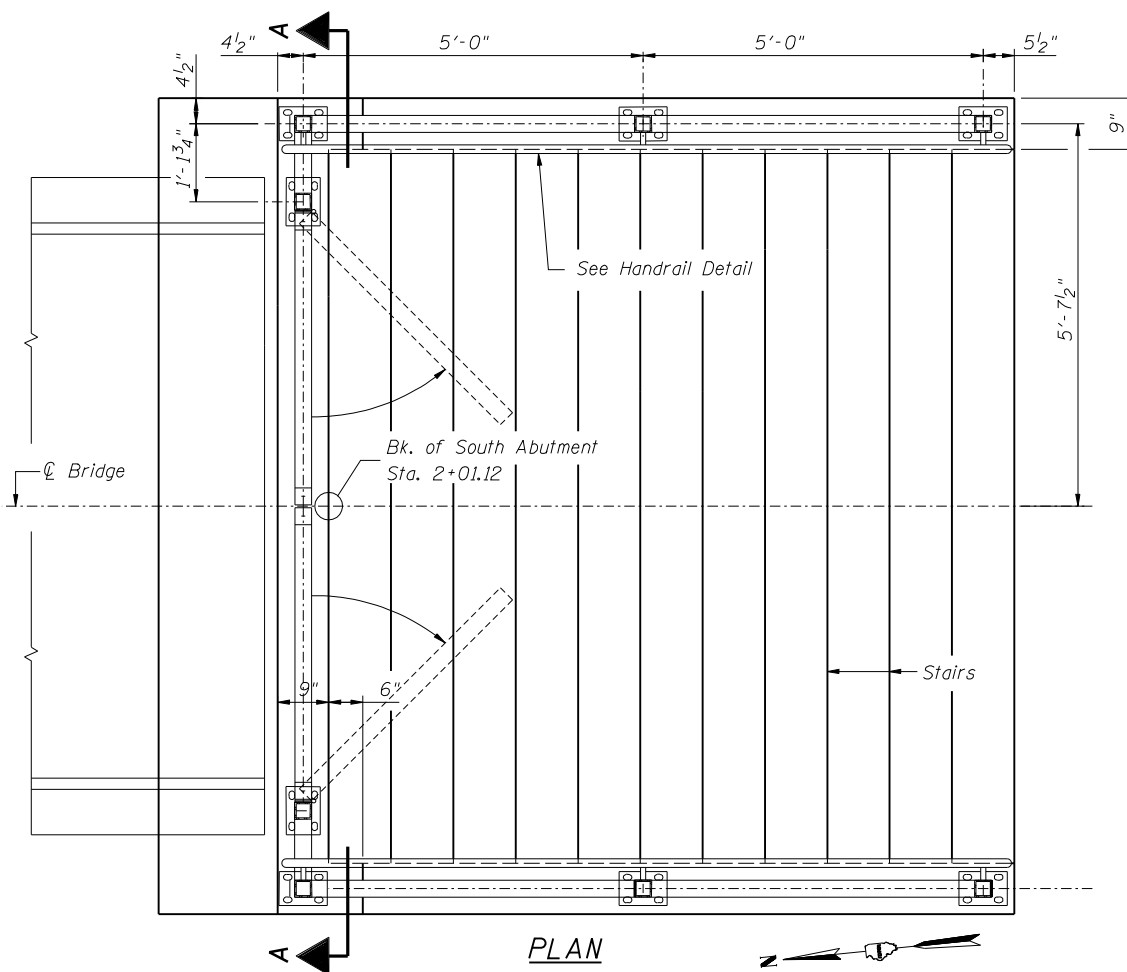
BASE PL (Handrail)



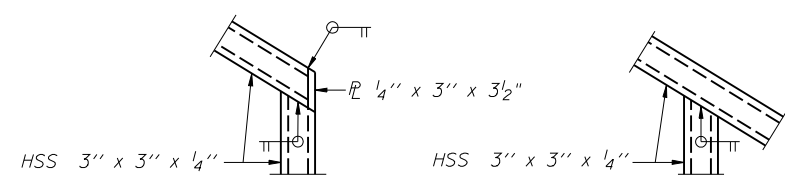
BASE PL



DETAIL E

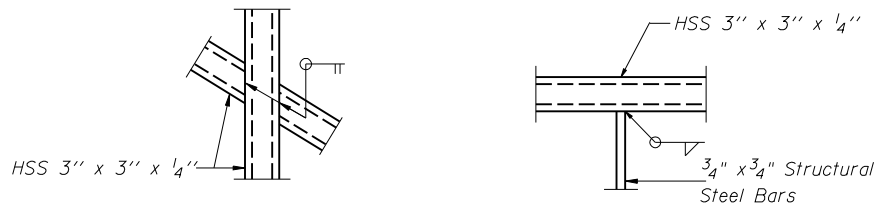


PLAN



DETAIL A

DETAIL B



DETAIL C

DETAIL D

NOTES

- Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing.
- Hollow structural sections shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
- All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
- If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with pre-measured amounts of the adhesive chemical.
- All post, railing, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted. Vent holes for galvanizing shall be placed in the posts and railings at locations that will not allow the accumulation of moisture in the members.
- Space reinforcement to miss anchor bolts.

BILL OF MATERIAL

Item	Unit	Quantity
Pedestrian Railing	Foot	34