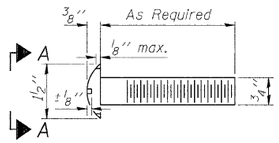
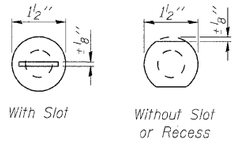
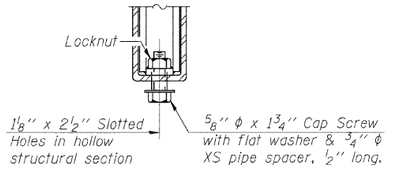
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



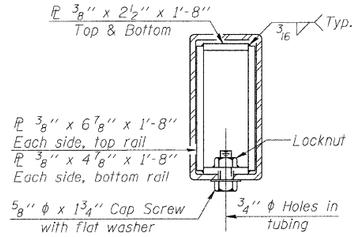
DETAIL OF 3/4" ϕ ROUND HEAD BOLT



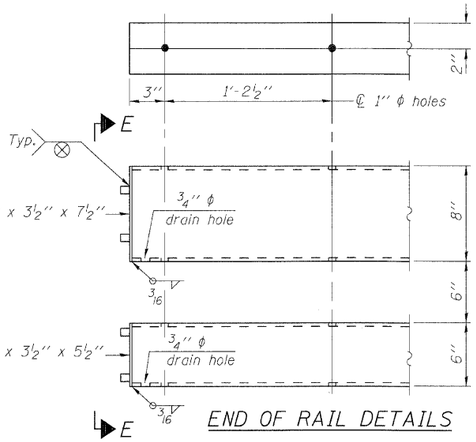
VIEW A-A



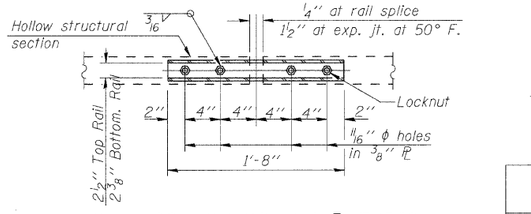
RAIL SPLICE CONNECTION AT EXPANSION JT.



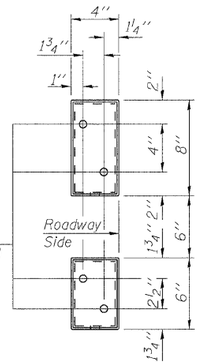
SECTION AT RAIL SPLICE



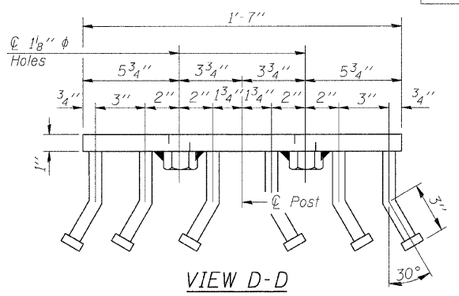
END OF RAIL DETAILS



PLAN-BOTTOM SPLICE PL TYPICAL



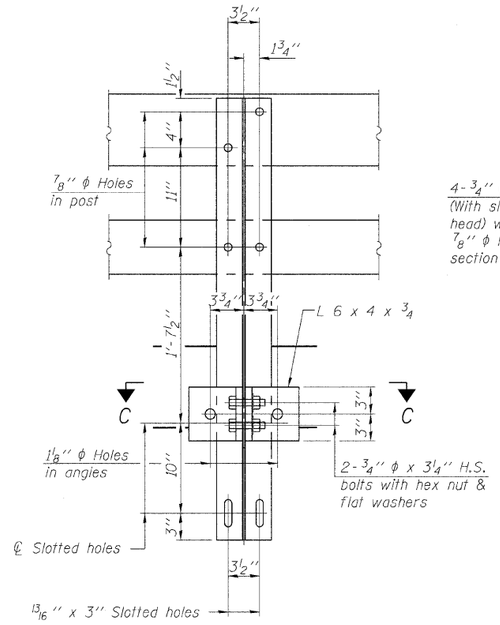
VIEW F-F



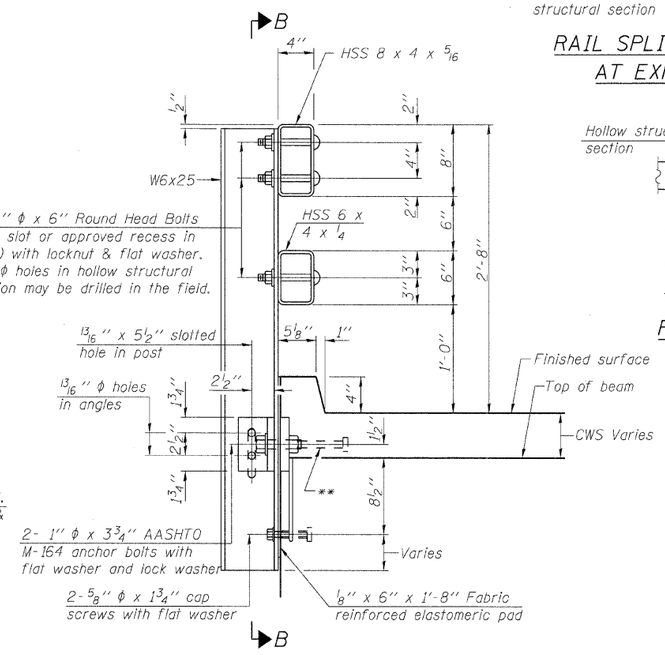
VIEW D-D

℄ - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032

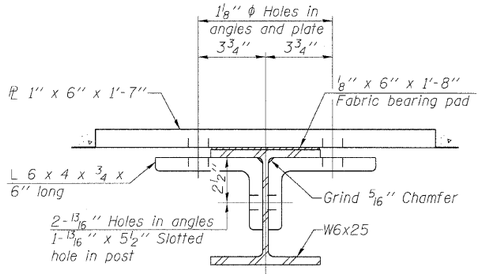
VIEW E-E



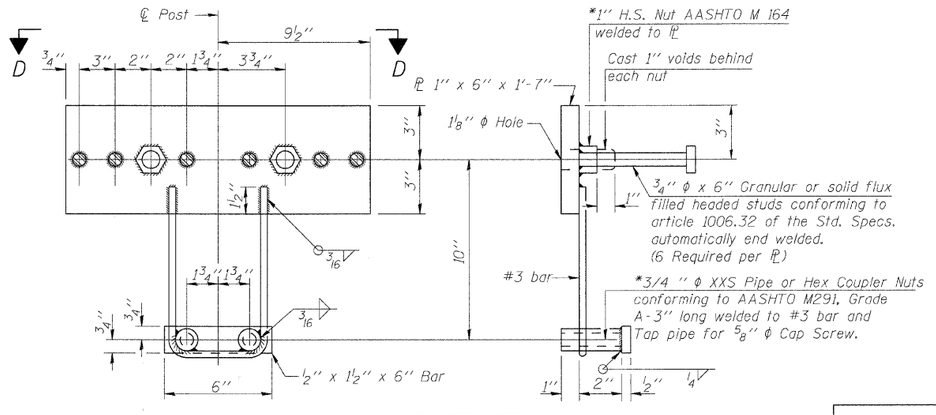
SECTION B-B



SECTION AT RAIL POST



SECTION C-C



ANCHOR DEVICE

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.

All steel railing elements shall be galvanized according to Article 509.05 of the Standard Specifications.

**The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	265

(6'-3" Maximum Post Spacing) (5" minimum to 7 1/8" maximum CWS thickness)

DESIGNED	B. Sauter
CHECKED	E. Mroczek
DRAWN	R. Danley
CHECKED	B. Sauter

R-34CWSC 5-16-08

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
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STEEL RAILING DETAILS
US 52 OVER FORKED CREEK
STA. 65+70
S.N. 099-0133

SHEET NO. S-8	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-13 SHEETS	852	18B	WILL	31	23
			CONTRACT NO. 60D87		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

n:\proj\3329\3329_23\design\structural\cad\sht\3329_23_08 Railing Details.sht 7/8/2008 rdanley