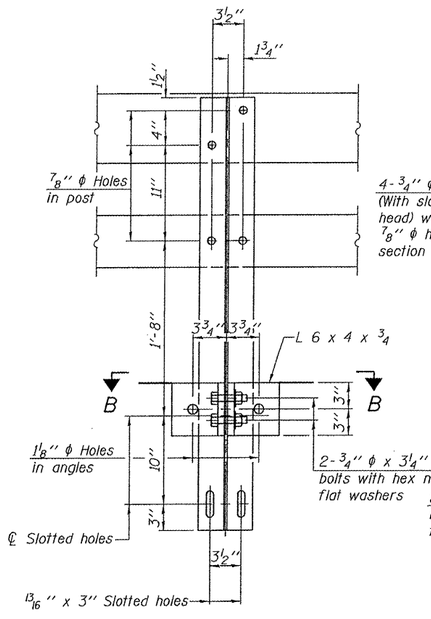
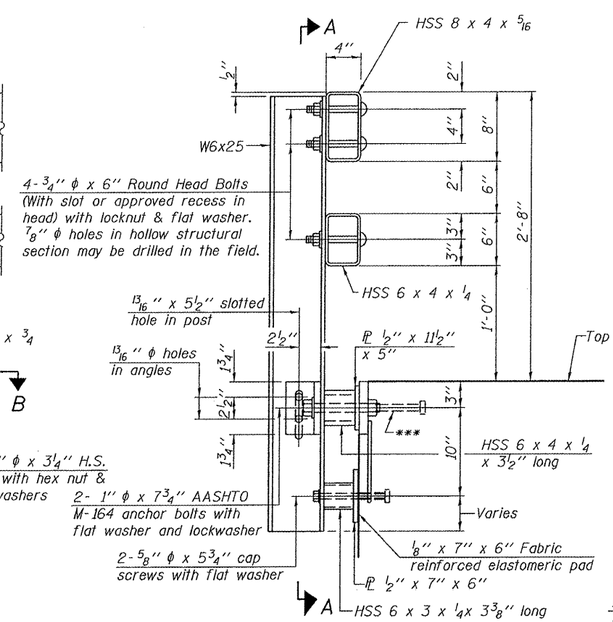
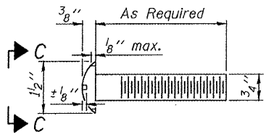
85552



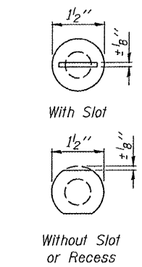
SECTION A-A



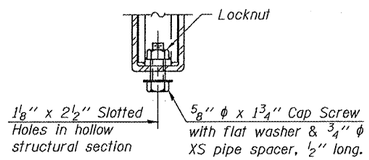
SECTION AT RAIL POST



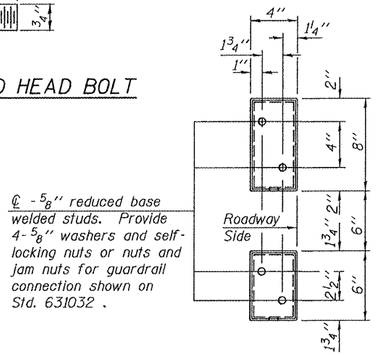
DETAIL OF ¾" ϕ ROUND HEAD BOLT



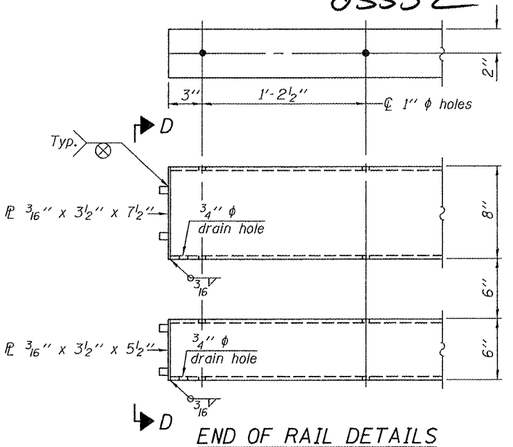
VIEW C-C



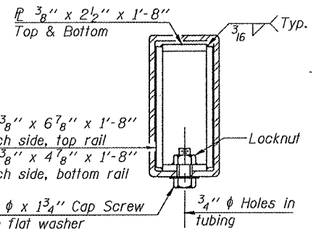
RAIL SPLICE CONNECTION AT EXPANSION JT.



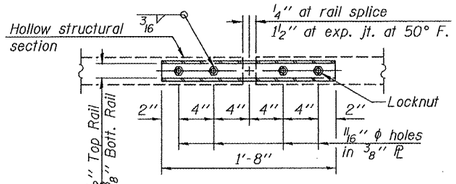
VIEW D-D



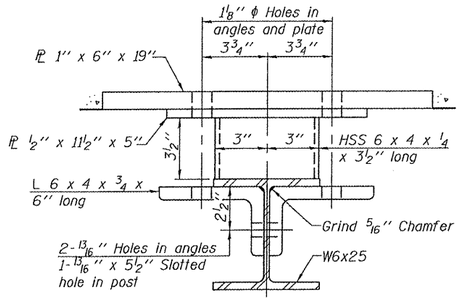
END OF RAIL DETAILS



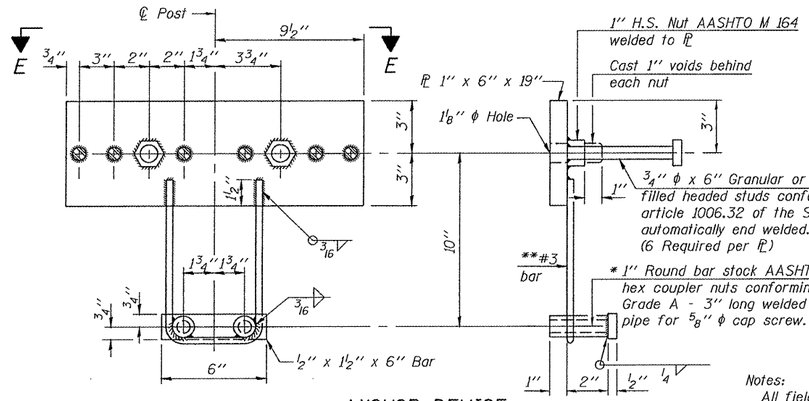
SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE PL TYPICAL

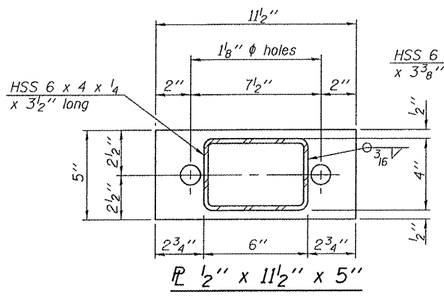


SECTION B-B

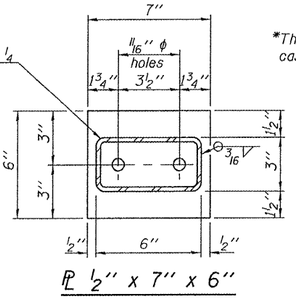


ANCHOR DEVICE

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



PL ½" x 11½" x 5"



PL ½" x 7" x 6"

Notes:

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

For multi-span bridges, sufficient ¼" 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 rail members 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	146

STEEL RAILING, TYPE SM
STRUCTURE NUMBER 101-3102

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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JOB NO.	03R1808
DATE	12/16/11

SHEET NO. 9
13 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0052	03-00324-00-BR	Winnebago	24	17
		CONTRACT NO. 85552		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

LAYOUT	SMK	7/25/11
DRAWN	JDN	12/16/11
REVIEWED	SMK	12/16/11

12:08:20 I:\03Jobs\03R1808\CADD\Structure\Sheet\S-009-017-SH_Raildgn