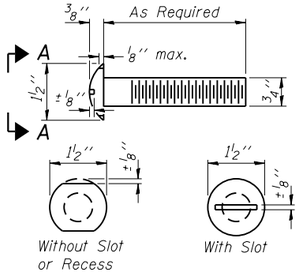
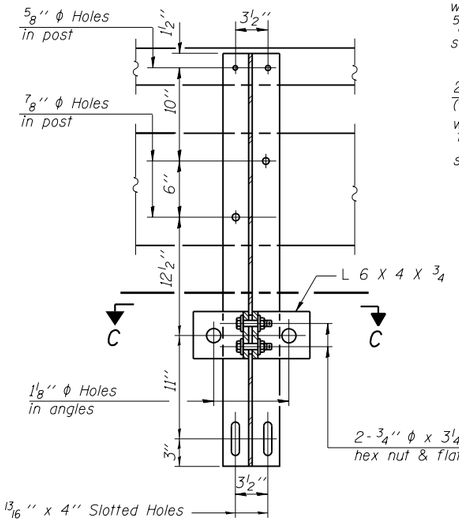
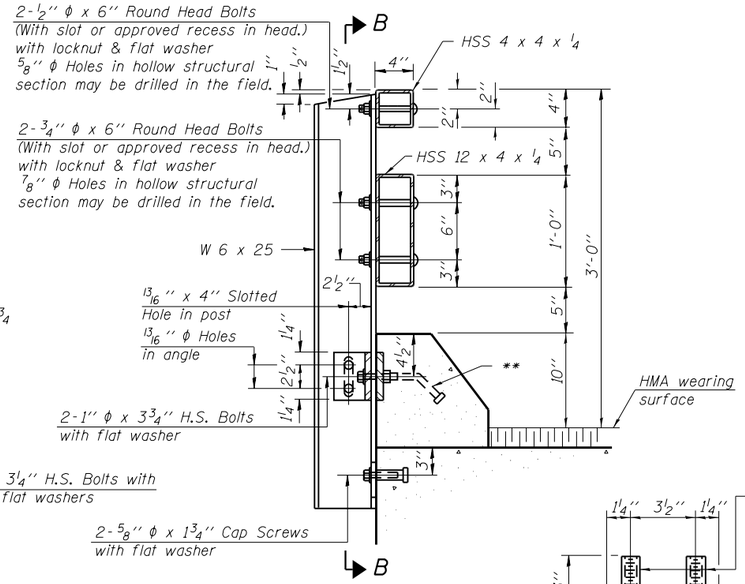


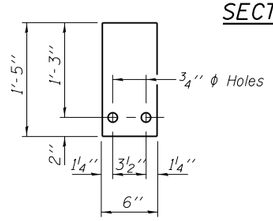
VIEW A-A ROUND HEAD BOLT



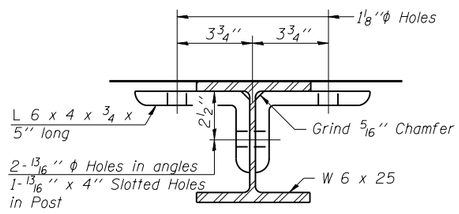
SECTION B-B



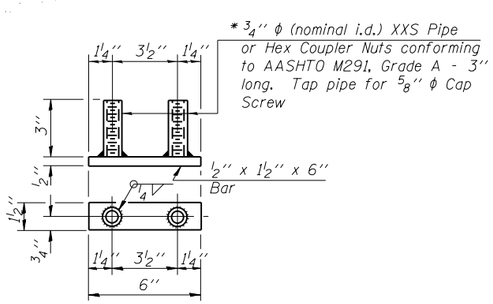
SECTION AT RAIL POST



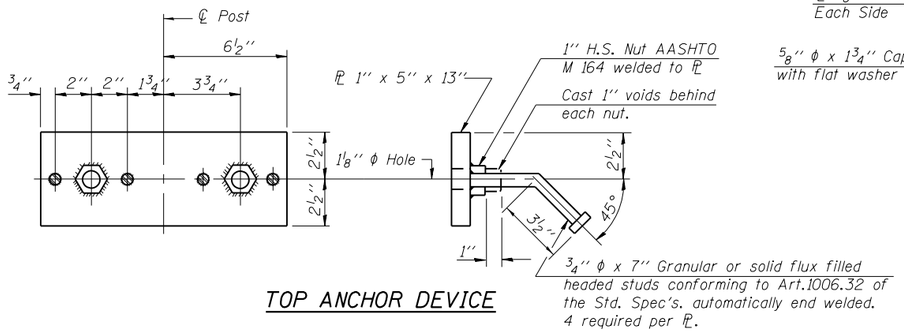
1/4" SHIM PLATE



SECTION C-C



BOTTOM ANCHOR DEVICE



TOP ANCHOR DEVICE

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

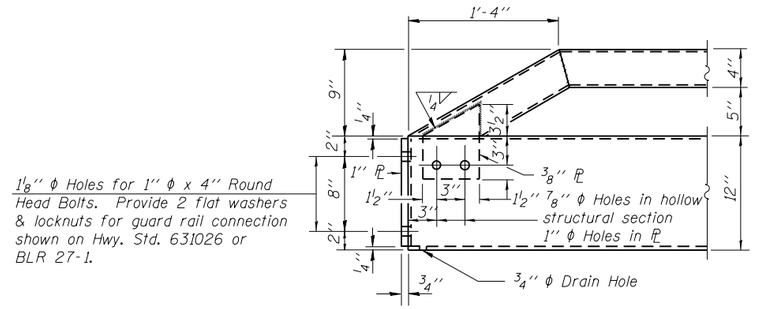
Notes:

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

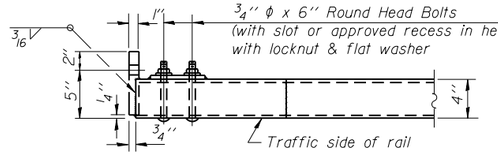
For multi-span bridges, sufficient 1/4" x 6" x 1'-5" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type T-1.

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

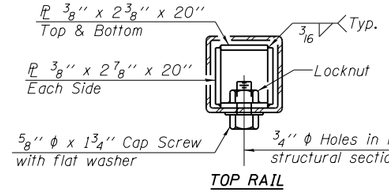
** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



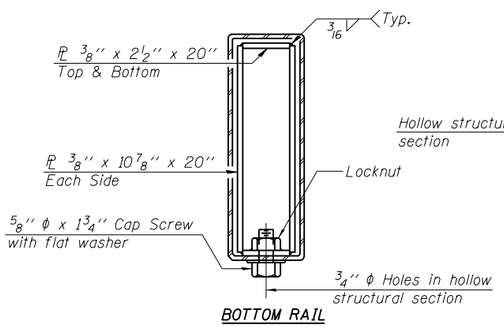
1 1/8" ϕ Holes for 1" ϕ x 4" Round Head Bolts. Provide 2 flat washers & locknuts for guard rail connection shown on Hwy. Std. 631026 or BLR 27-1.



END OF RAIL DETAILS

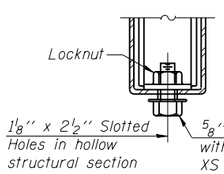


TOP RAIL

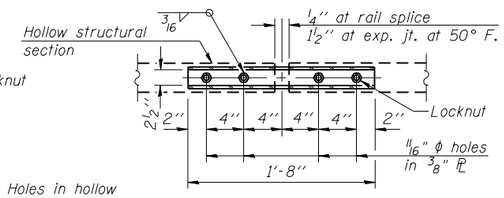


BOTTOM RAIL

SECTIONS AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE PL TYPICAL

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type T-1	Foot	96

R-24A 7-1-10 (9'-6" Maximum Post Spacing)

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		CHECKED - WLB	REVISED -
	PLOT SCALE =	DRAWN - GLD	REVISED -
	PLOT DATE =	CHECKED - DECEMBER 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE T-1
STRUCTURE NO. 044-0062
SHEET NO. 7 OF 12 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
163	34B-2	JOHNSON	37	19
		CONTRACT NO. 78267		
		ILLINOIS FED. AID PROJECT		

0806610/W0_12/D/S/D9-0062_Type T1 Railing.dgn