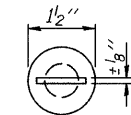
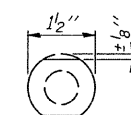


DETAIL OF $\frac{3}{4}$ " ϕ ROUND HEAD BOLT

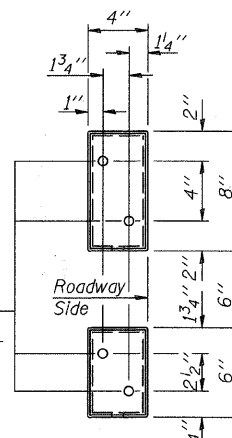


With Slot

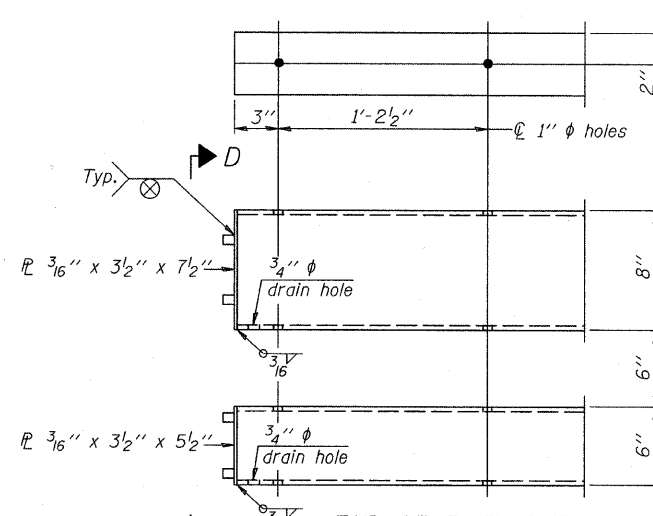


Without Slot

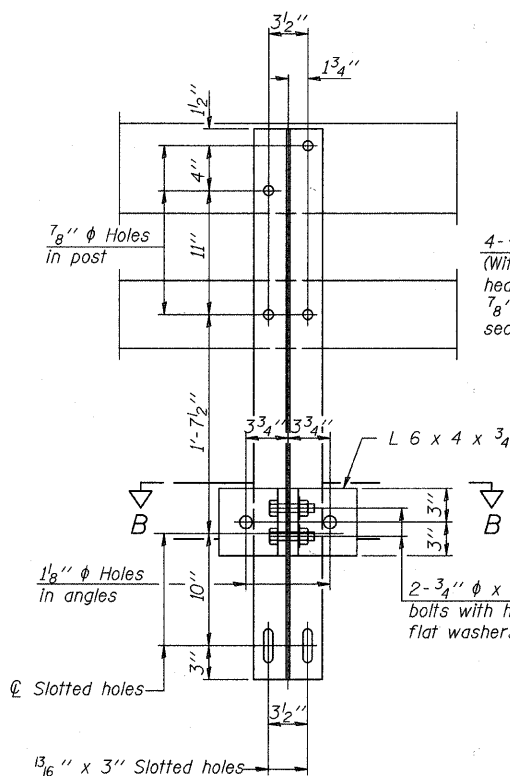
④ - 5/8" reduced base
welded studs. Provide
4- 5/8" washers and self-
locking nuts or nuts and
jam nuts for guardrail
connection shown on
Std. 631032.



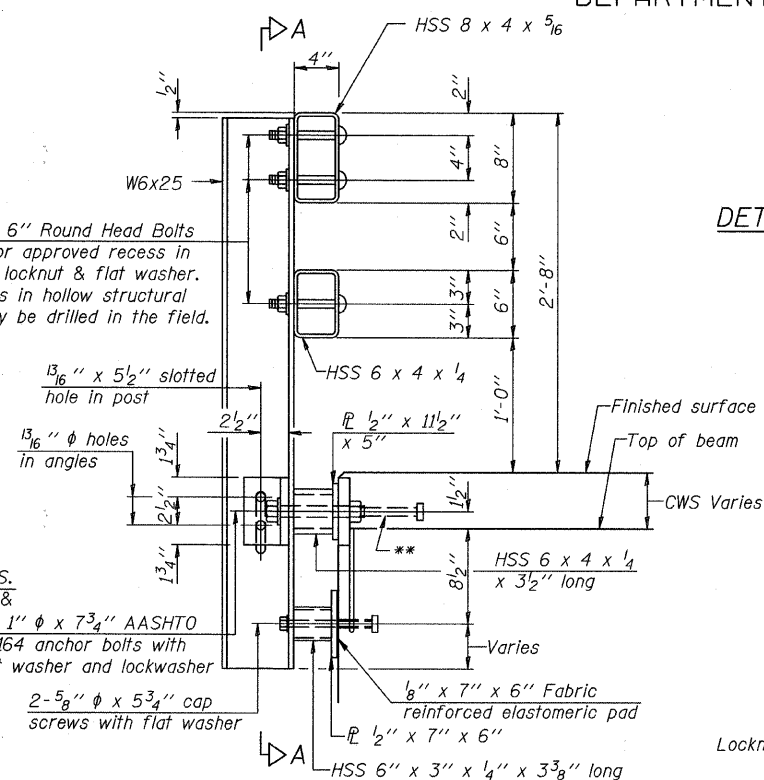
VIEW D-D



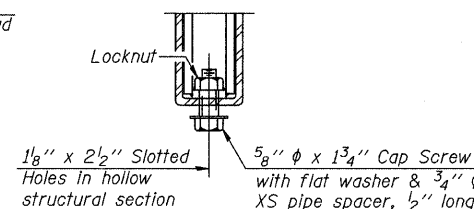
END OF RAIL DETAILS



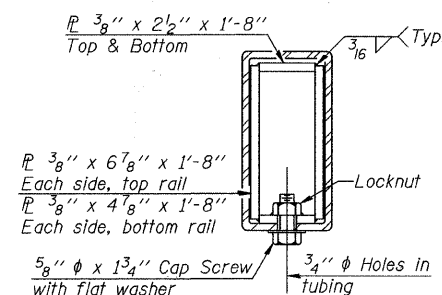
SECTION A-A



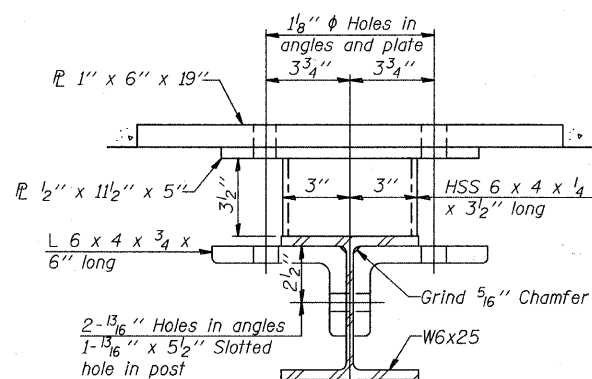
SECTION AT RAIL POST



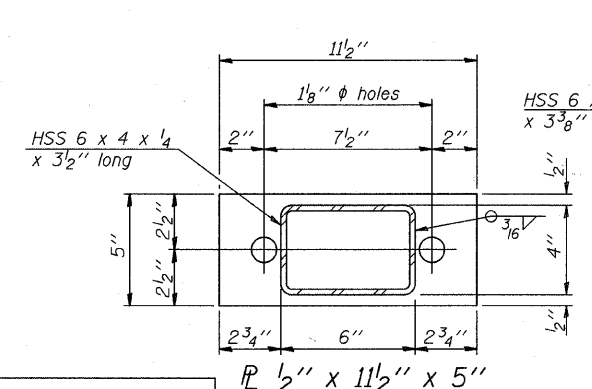
RAIL SPLICE CONNECTION
AT EXPANSION JT.



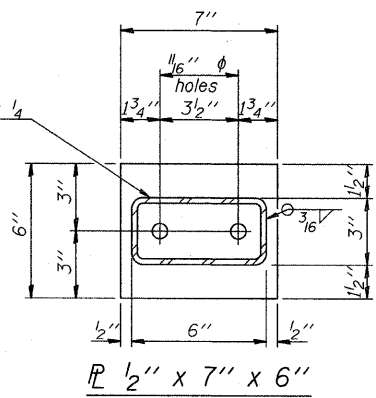
SECTION AT
RAIL SPLICE



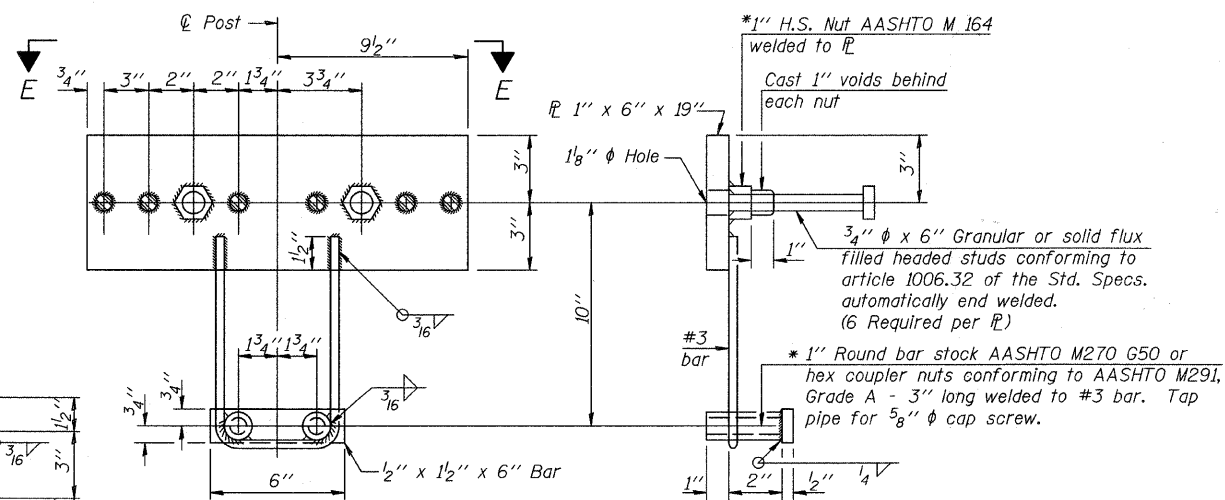
SECTION B-B



$P \frac{1}{2}'' \times 11\frac{1}{2}'' \times 5''$



Pl 1/2" x 7" x 6"



ANCHOR DEVICE

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

URS

100 South Wacker Drive, Suite 500
Chicago, IL 60606
Tel: 312.939.1000
Fax: 312.939.4198

SHEET NO. S-7 18 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0856	08-00050-00-BR	WILL	26	13
			CONTRACT NO. 63576		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

VIEW C C

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 Rolling, Type SM.

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.

STEEL RAILING DETAILS
STRUCTURE NO. 099-3322

SHEET NO. S-7 18 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0856	08-00050-00-BR	WILL	26	13
			CONTRACT NO. 63576		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	