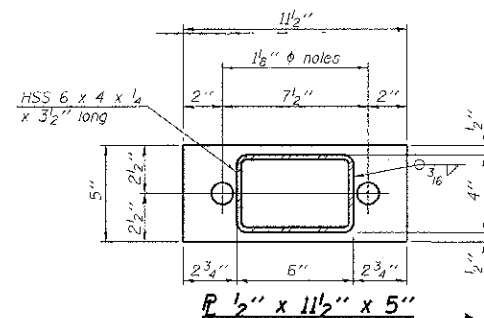
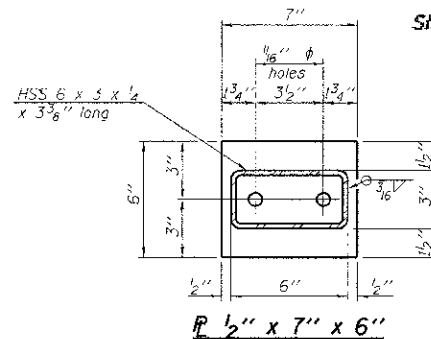


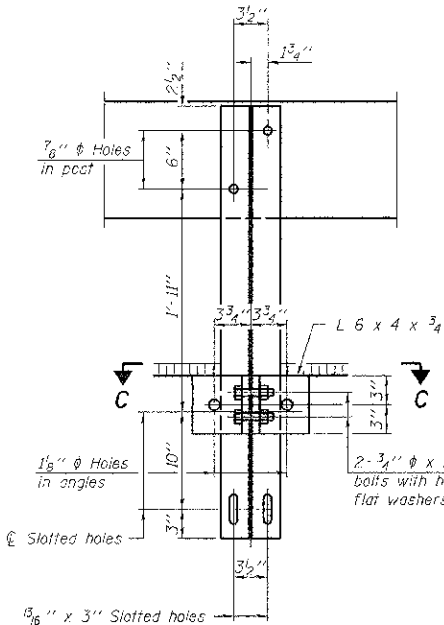
VIEW A-A
ROUND HEAD BOLT



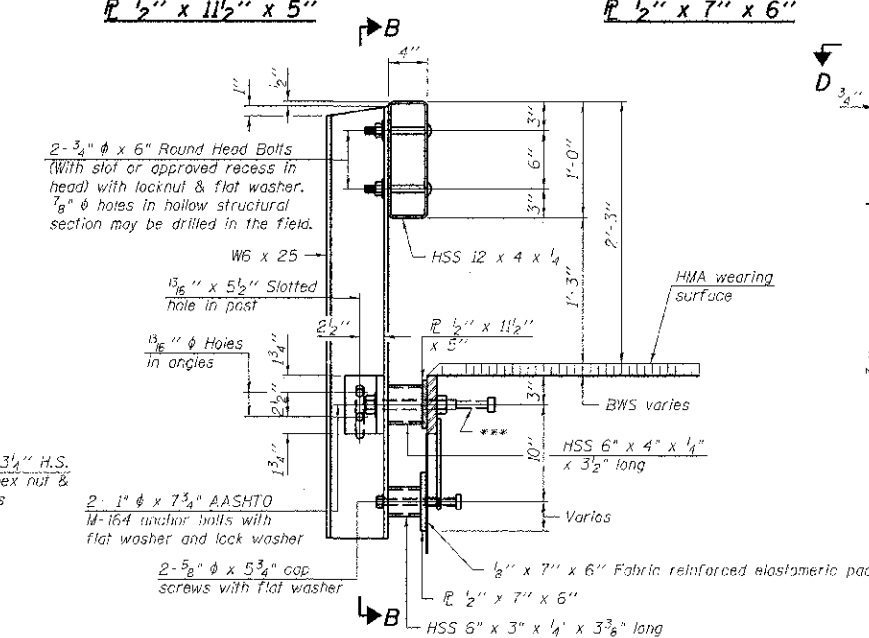
SECTION B-B



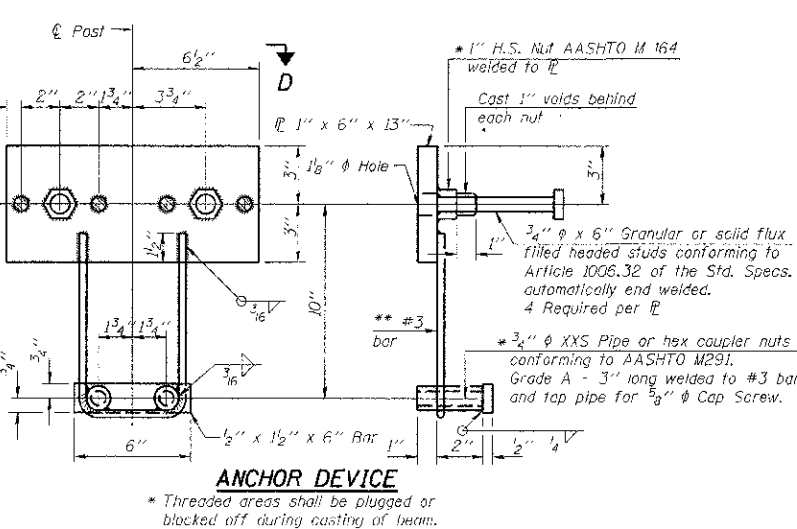
SECTION AT RAILING POST



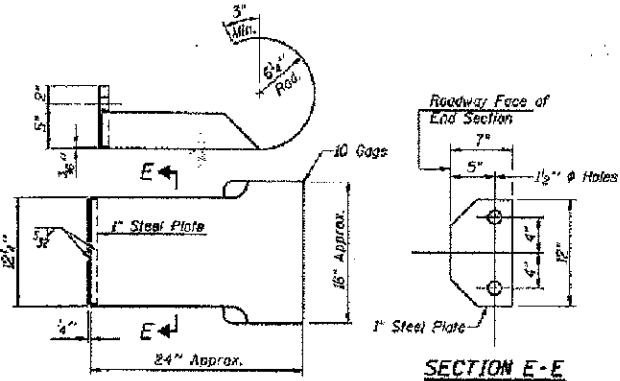
SECTION C-C



SECTION AT RAIL SPICE

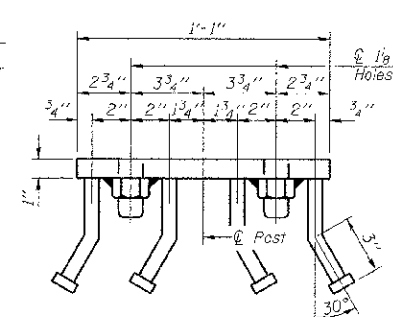


ANCHOR DEVICE

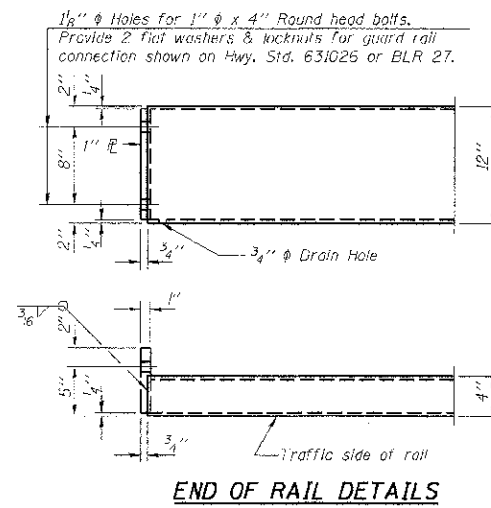


CURLED END SECTION DETAILS
(3 Required)

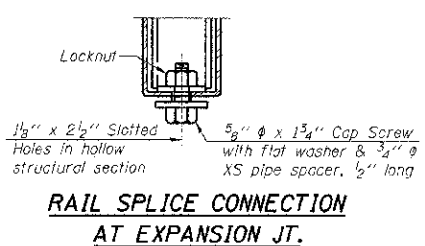
Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/2 x 5 x 1-2 inch galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
*** The studs of the anchor device 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.



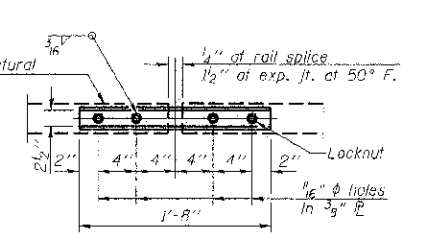
VIEW D-D



END OF RAIL DETAILS



RAIL SPICE CONNECTION
AT EXPANSION JT.



PLAN-BOTT. SPICE P
TYPICAL

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	138

MEC MILITARY ENGINEERING COMPANY CONSULTING ENGINEERS AND SURVEYORS (ILLINOIS PROFESSIONAL ENGINEERING NO. 001244) 202 S. MEADOWCROFT RD., SPRINGFIELD, ILLINOIS 62711 Phone: (312) 688-8236 Fax: (312) 688-8235 E-Mail: mce@meccompany.com		PROJECT NO. DRAWING FILE DATE XXX
F.A. RTE. TR 206	SECTION 08-07115-00-BR	COUNTY CHRISTIAN
TOTAL SHEETS 12		SHEET NO. 9
98596		
[ILLINOIS] FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE S-1 STRUCTURE NO. 011-3414
TR 206 OVER TRIBUTARY TO LOCUST CREEK STA. 10+00

SCALE: SHEET NO. OF SHEETS STA. TO STA.

R-23A 11-1-09 (10'-9" Maximum Post Spacing)

FILE NAME =	USER NAME = BLSK#	DESIGNED =	REVISED =
FILE# =		DRAWN =	REVISED =
	PLOT SCALE = #SCALE#	CHECKED =	REVISED =
	PLOT DATE = #DATE#	DATE =	REVISED =