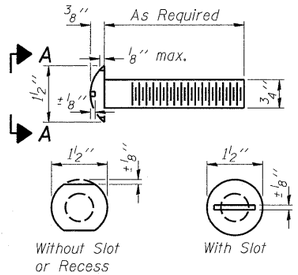
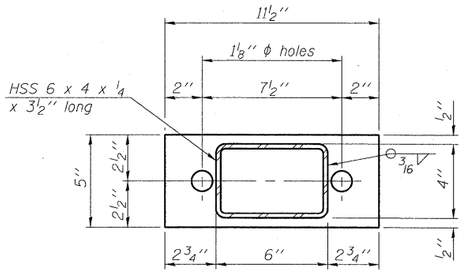
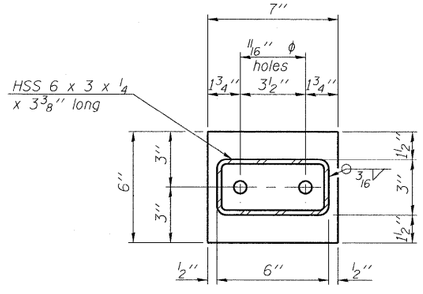
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



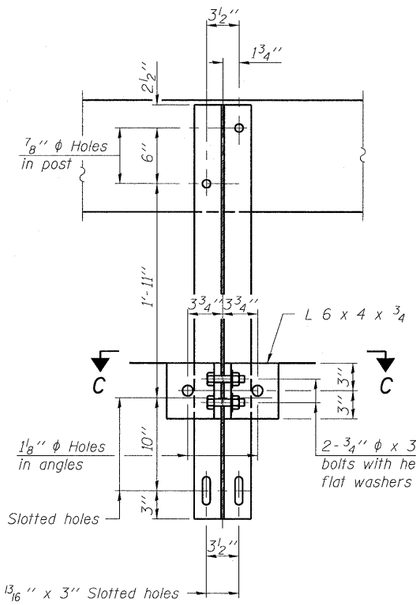
VIEW A-A
ROUND HEAD BOLT



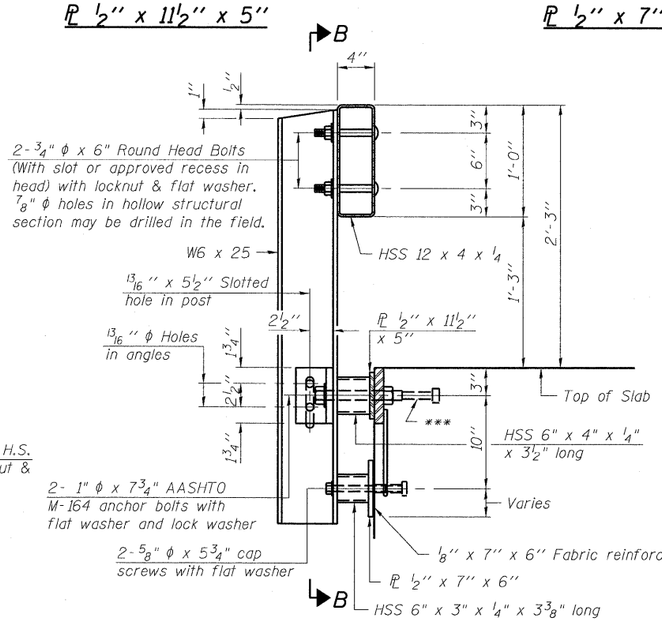
℄ 1/2" x 11 1/2" x 5"



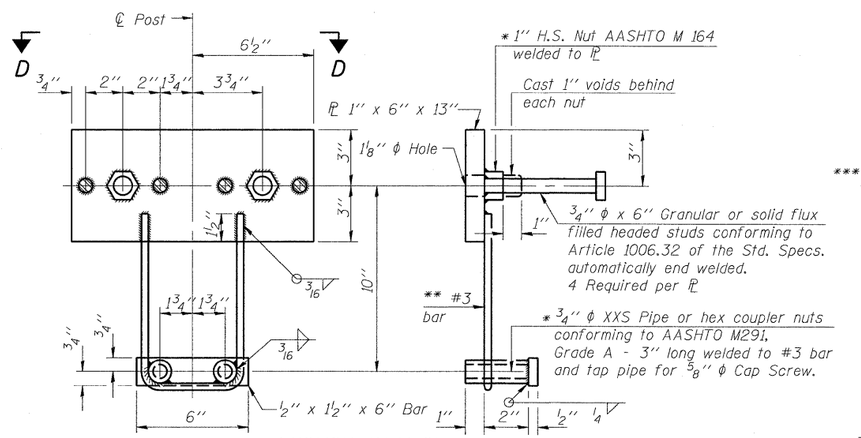
℄ 1/2" x 7" x 6"



SECTION B-B



SECTION AT RAILING POST



ANCHOR DEVICE

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

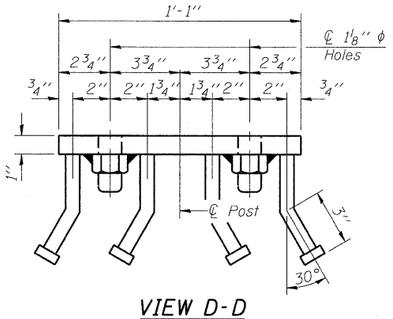
Notes:

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

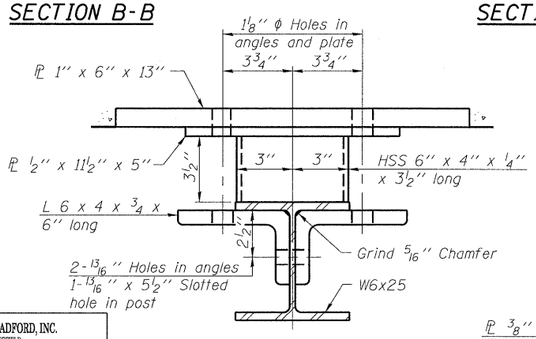
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.

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

*** The studs of the anchor 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.

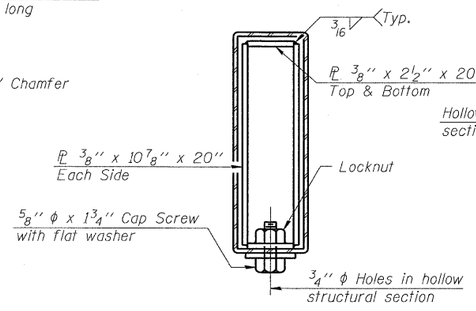


VIEW D-D

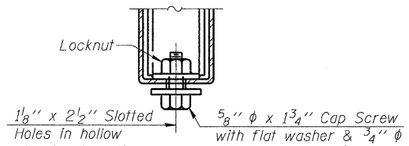


SECTION C-C

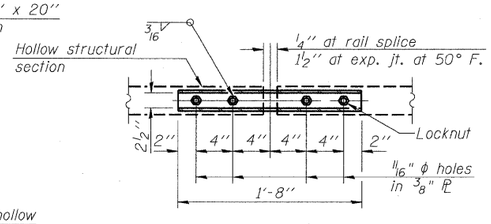
** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



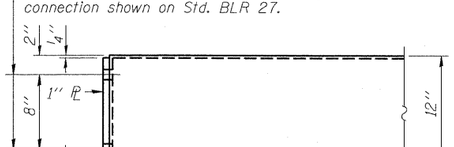
SECTIONS AT RAIL SPLICE

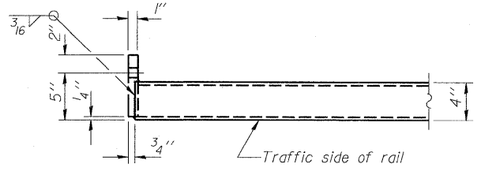


RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE ℄ TYPICAL





END OF RAIL DETAILS

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	164

STEEL RAILING, TYPE S-1
F.A.S. ROUTE 454
SECTION 04-00070-00-BR
SCHUYLER COUNTY
STATION 4+79.00
S.N. 085-3055

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
300 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62711-7001
PROFESSIONAL DESIGN FIRM NO. 184-001179
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
(217) 793-0841, (217) 793-5227 FILE MAIL - cc@greenebradford.com

DESIGNED	NIEWINSKI
CHECKED	TRELLO
DRAWN	VERENSKI
CHECKED	TRELLO

SHEET NO. 7	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17 SHEETS	454	04-00070-00-BR	SCHUYLER	30	15
			CONTRACT NO. 93499		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

R-23A 10-1-08 (10'-9" Maximum Post Spacing)

G&B PROJECT: - PLOT DRIVER = V8i_TDS700_PS_LOCAL_IDOT.pltcfg
FILE NAME = J:\07258\CADD\CADsheets\SN 085-3055\0853055-07258-Sht-SS.dgn
PLOT DATE = 9/18/2009 PLOT SCALE = 2:1 '1' / in. USER NAME = frankv