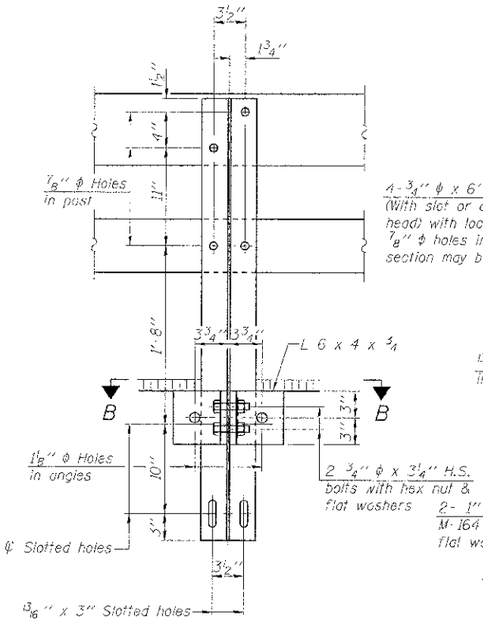
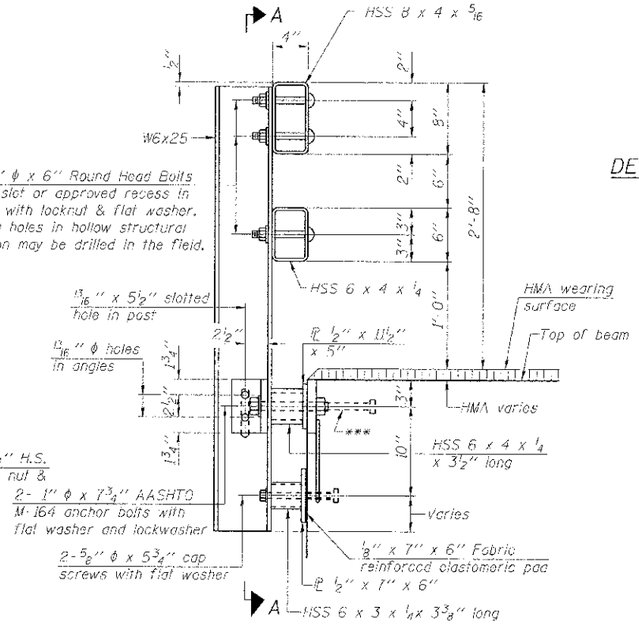
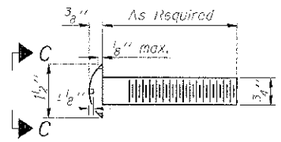


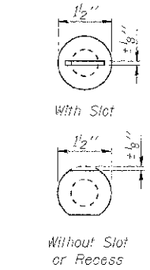
SECTION A-A



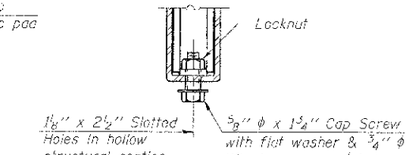
SECTION AT RAIL POST



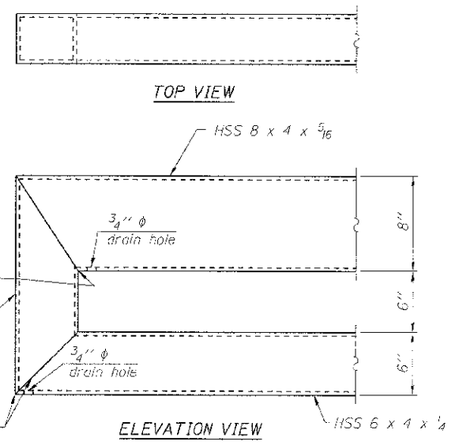
DETAIL OF ¾" ϕ ROUND HEAD BOLT



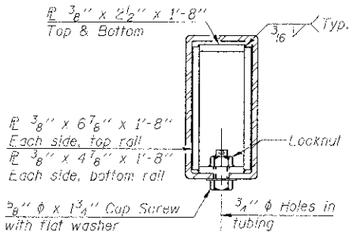
VIEW C-C



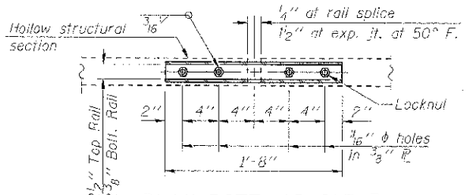
RAIL SPLICE CONNECTION AT EXPANSION JT.



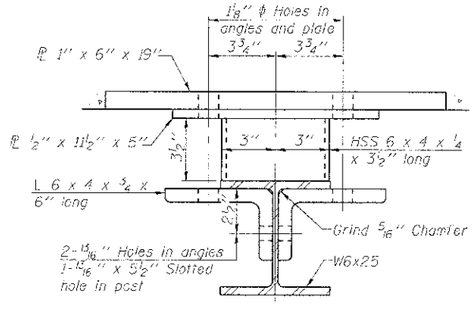
END OF RAIL DETAILS



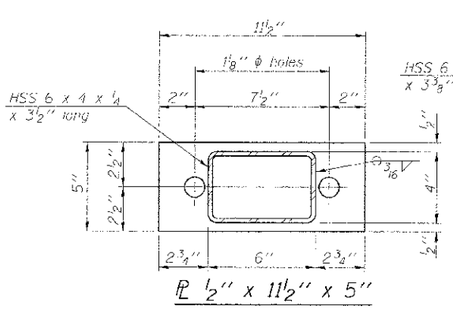
SECTION AT RAIL SPLICE



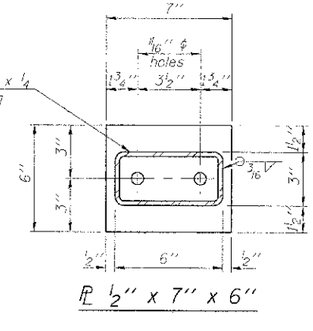
PLAN-BOTT. SPLICE PL TYPICAL



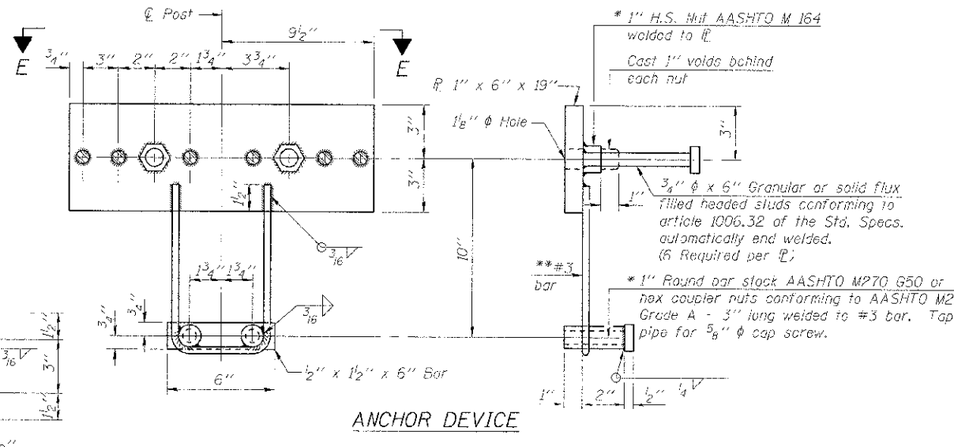
SECTION B-B



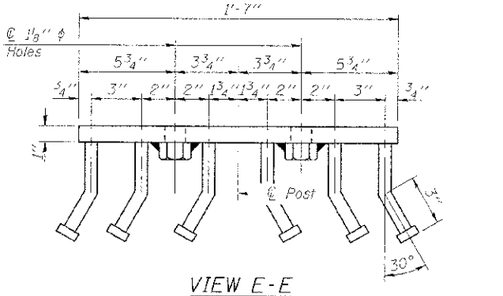
PL ½" x 11½" x 5"



PL ½" x 7" x 6"



ANCHOR DEVICE



VIEW E-E

Notes:
1. All field drilled holes shall be coated with an approved zinc rich paint before erection.
2. All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
*** 3. 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.
4. Ensure the fabricator prepares a sample of the indicated joint and it is macroetched to demonstrate that the required effective throat is achieved.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	86

R-34HMAWS 7-1-10 (6'-3" Maximum Post Spacing) (1¼" minimum to 3⅛" maximum HMA thickness)

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

** 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 ½".

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STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001585 EXPIRES 4/30/2013

FILE NAME =	USER NAME =	DESIGNED AS	REVISED
		CHECKED BAB	REVISED
	PLOT SCALE =	DRAWN BCD	REVISED
	PLOT DATE = 05/24/12	CHECKED BLB	REVISED

VILLAGE OF KIRKLAND
HORTENSE ST BRIDGE OVER
BULL RUN CREEK

STEEL RAILING, TYPE SM
STRUCTURE NO. 019-4002
SHEET NO. 5 OF 7 SHEETS

MUN. ST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1090	10-00008-00-BR	DEKALB	20	14
		CONTRACT NO. 87532		
FED. ROAD DIST. NO. 3	ILLINOIS FED. AID PROJECT RRP-0370(43)			