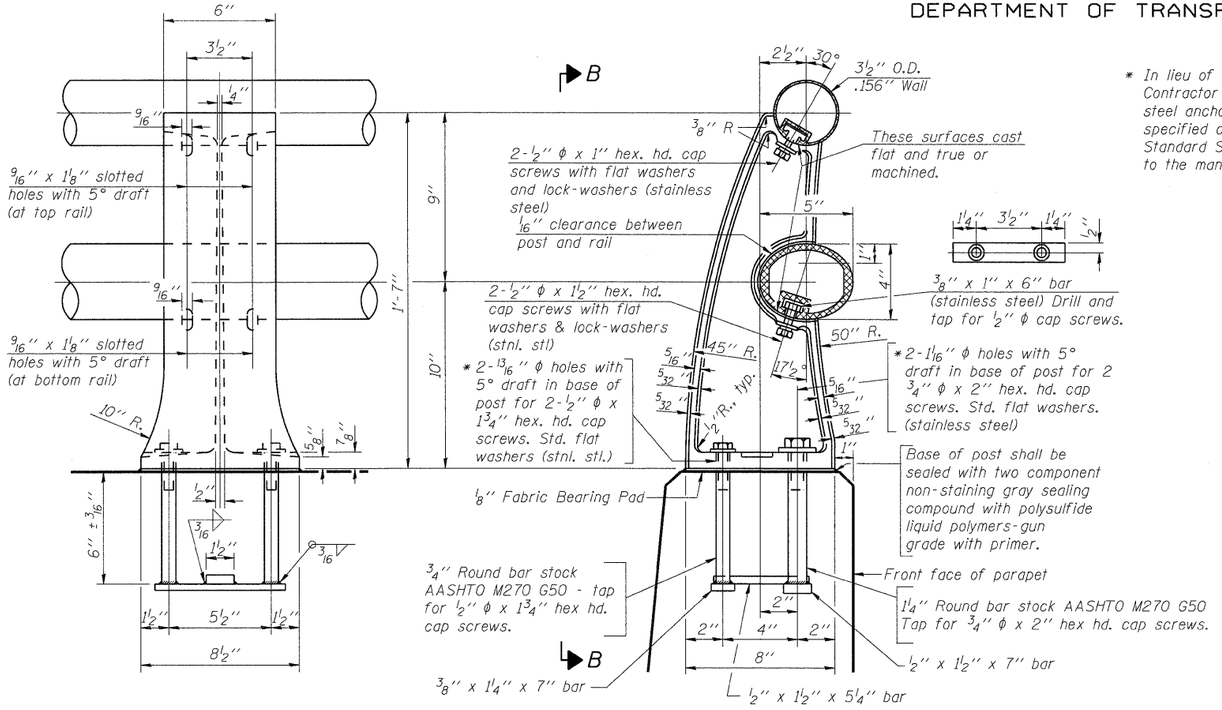
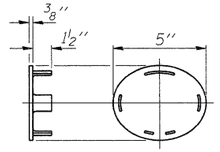
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



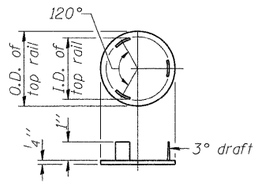
VIEW B-B

SECTION A-A

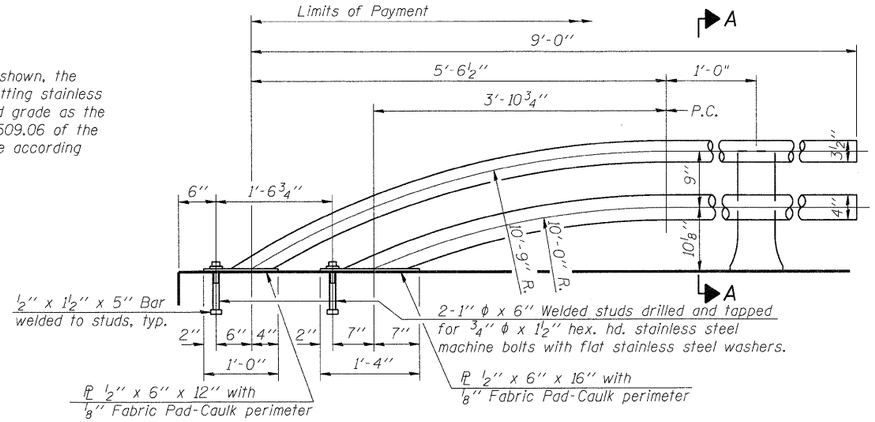
* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

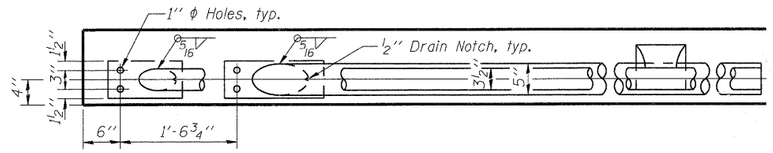


CAST END CAP
For bottom rail
DRIVE FIT TYPE



CAST END CAP
For top rail

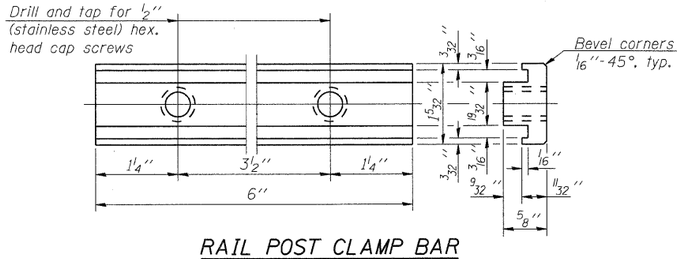




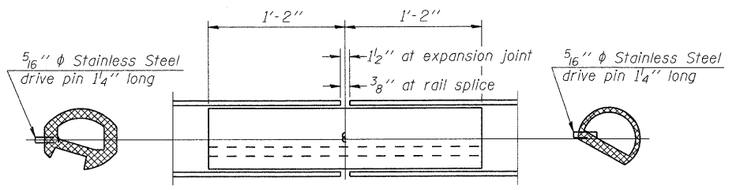
RAIL TERMINAL SECTION

Note:
The end rail post shall be set back as required for the terminal rail section.

RAIL POST DETAILS



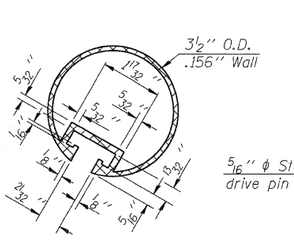
RAIL POST CLAMP BAR
For Top Rail



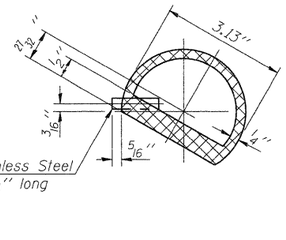
BOTTOM RAIL

TOP RAIL

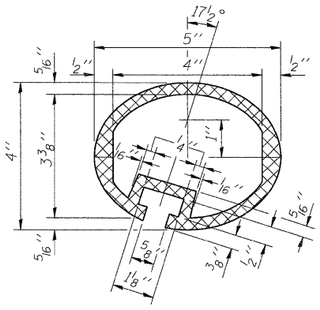
RAIL SPLICE



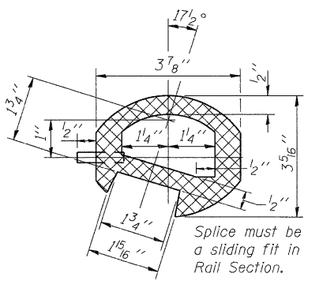
SECTION THRU TOP RAIL



SECTION THRU SPLICE
For Top Rail



SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE

Notes:
All Posts shall be normal to parapet.
All joints in rail shall be spliced per detail.
All exposed rail ends shall be capped per detail.
Provide 1-⅛'' and 2-1/16'' Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
See sheet S-5 of S-9 for rail post spacing.

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	72

ALUMINUM RAILING, TYPE L

CENTRAL AVENUE (FAU ROUTE 5102)
OVER KENT CREEK
SECTION NO. 09-00557-00-BR
CITY OF ROCKFORD
WINNEBAGO COUNTY
STRUCTURE NO. 101-6124

DATE: 1/26/10

DESIGNED	KMA
CHECKED	RGD
DRAWN	WJH
CHECKED	RGD

Illinois Professional Design Firm # 184-000108
SEC GROUP, INC.
An HR Green Company
420 N. Front Street, McHenry, IL 60050
t. 815.385.1778 f. 815.385.1781
www.secgroupinc.com
• McHenry, IL • Yorkville, IL • New Lenox, IL • Chicago, IL

SHEET NO. S-8	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-9 SHEETS	5102	09-00557-00-BR	WINNEAGO	18	15
			CONTRACT NO. 85508		
	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT	BHM 5099 (081)	

FILE NAME: 090026-rail.dgn
PLOT DATE: 1/27/2010
PEN TABLE: STANDARD-TRANS.TBL

11-1-09 (7'-0'' to 10'-0'' Post spacing)