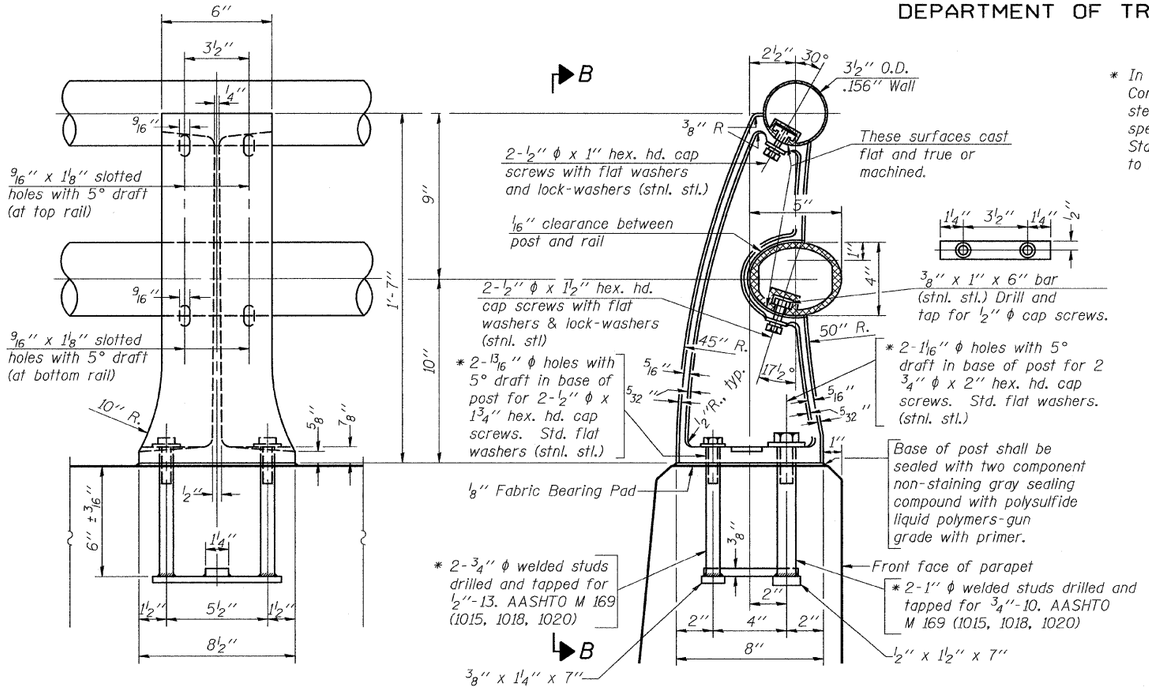
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

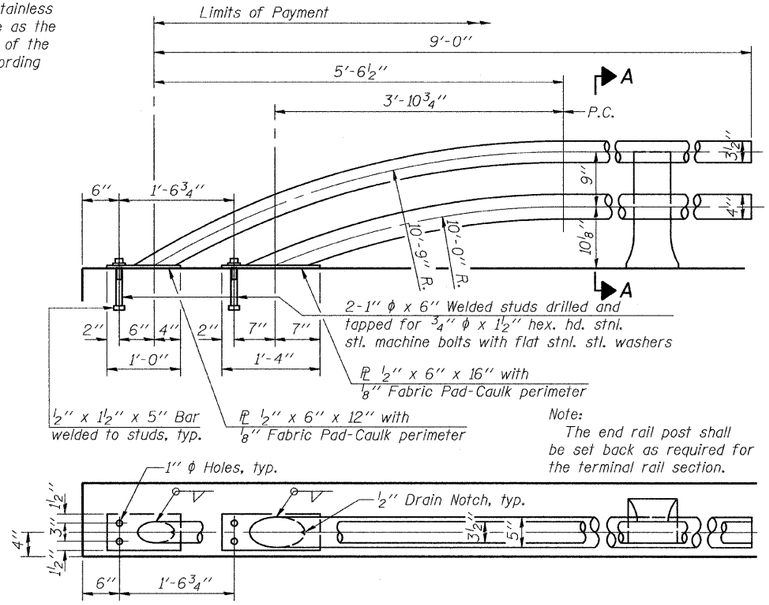
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1312	0707-B	Cook	80	50
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 16
32 SHEETS

Contract # 60B98



* 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.



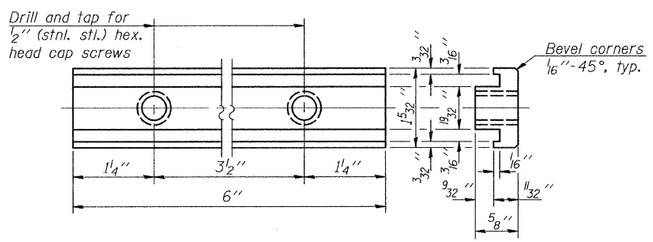
Note:
The end rail post shall be set back as required for the terminal rail section.

VIEW B-B

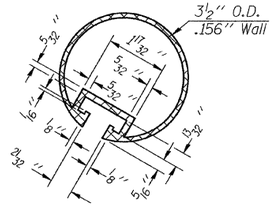
SECTION A-A

RAIL TERMINAL SECTION

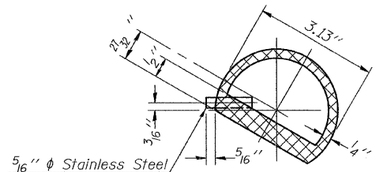
RAIL POST DETAILS



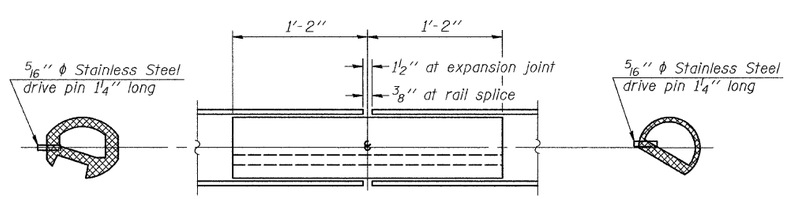
RAIL POST CLAMP BAR
For Top Rail



SECTION THRU TOP RAIL



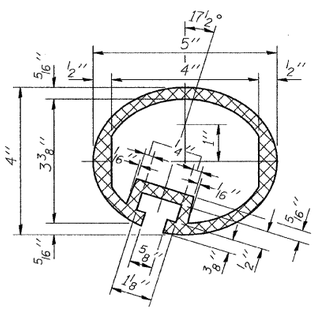
SECTION THRU SPLICE
For Top Rail



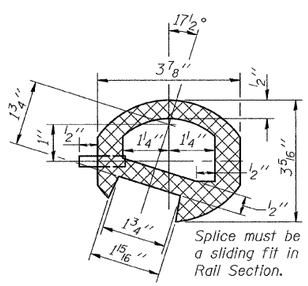
BOTTOM RAIL

TOP RAIL

RAIL SPLICE



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.
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 12 & 32 of 32 for rail post spacing.

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	490

(Quantity includes Bridge and Approach Pavement Railing)

DESIGNED	JJI
CHECKED	SRT
DRAWN	JSS
CHECKED	SRT

Bollinger, Lach & Associates, Inc.

R-20 11-1-06 (7′-0″ to 10′-0″ Post spacing)

ALUMINUM RAILING TYPE L (R-20)

EMERSON STREET OVER
NORTH SHORE CHANNEL
(PUBLIC BODY OF WATER)
F.A.U. ROUTE 1312 SECTION 0707-B
COOK COUNTY STA. 102+84.62
STRUCTURE NUMBER 016-2858

w:\emerson street\structural dwg's\16-aluminum railing type\(r-20).dgn
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