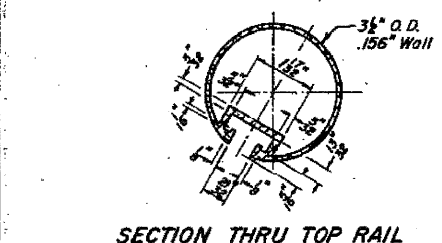
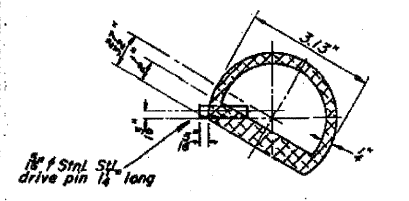


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

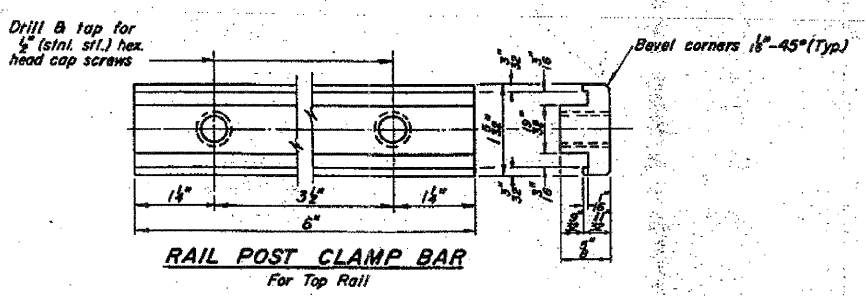
PROJECT NO.	DATE	BY	CHKD	APPD	NO. OF SHEETS
46 IBA-1 Whiteside	4-4	29			26 SHEETS



SECTION THRU TOP RAIL

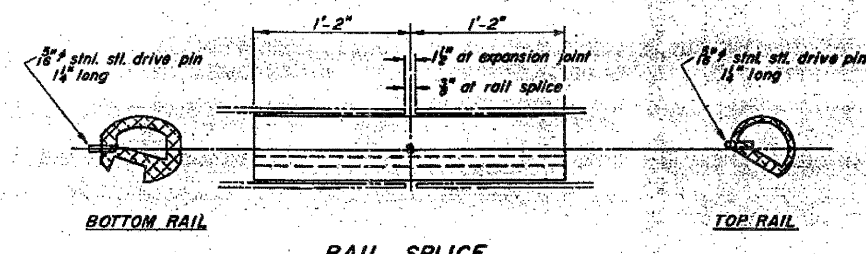


SECTION THRU SPLICE  
TOP RAIL

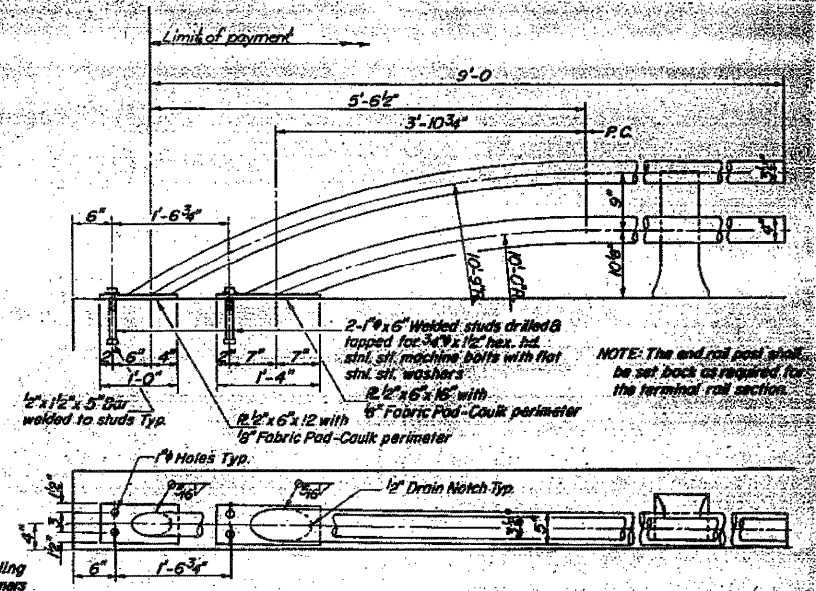


RAIL POST CLAMP BAR  
For Top Rail

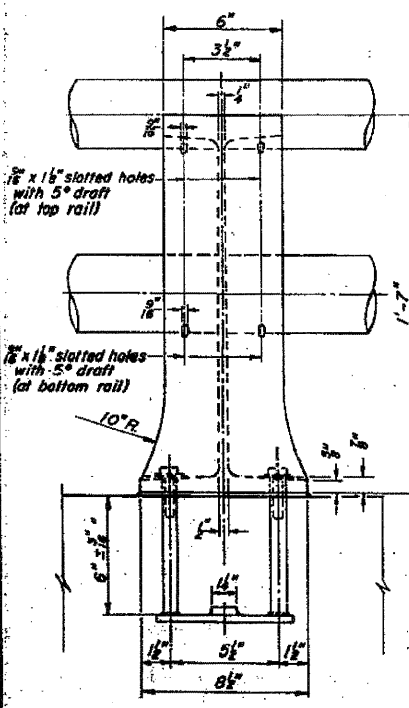
**NOTES:**  
All Posts shall be normal to parapet.  
All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.  
All joints in rail shall be spliced per detail.  
Provide 1-1/8" and 2-1/16" Aluminum Shims for 25% of the Posts. Rail elements shall be parallel to Grade - high spots shall be ground and low spots shimmed.  
Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for ALUMINUM RAILING, TYPE L.  
Aluminum alloy rail shall conform to ASTM B 221 alloy 6061-T6 or 6351-T3 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.



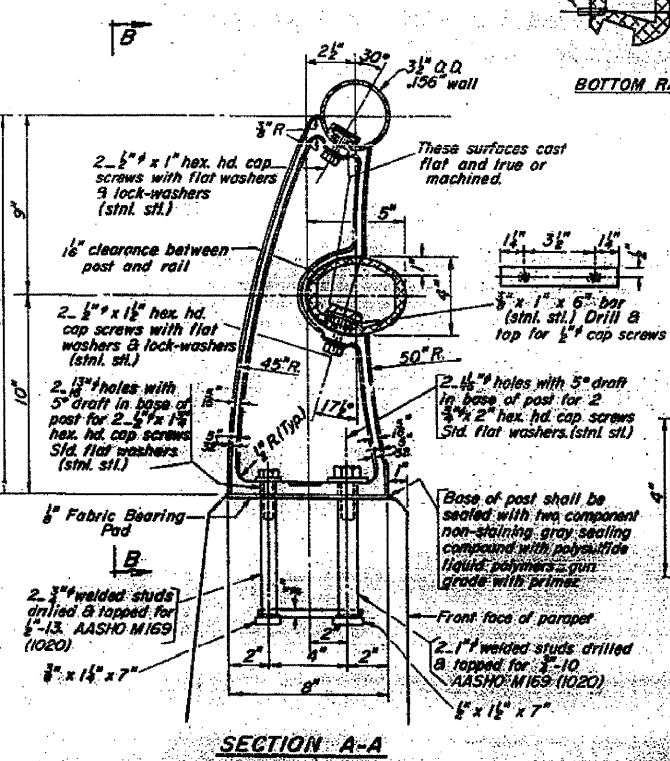
RAIL SPLICE



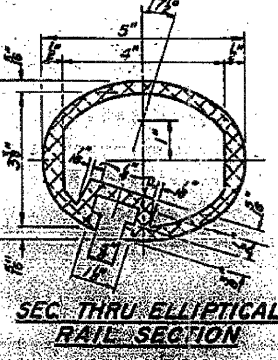
RAIL TERMINAL SECTION



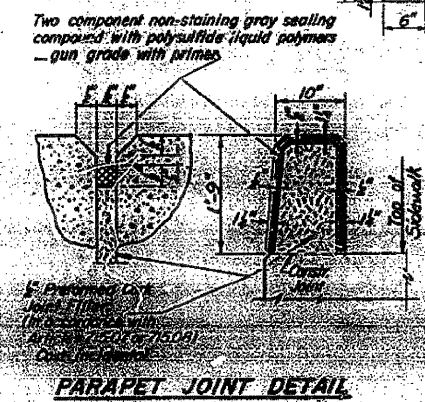
VIEW B-B



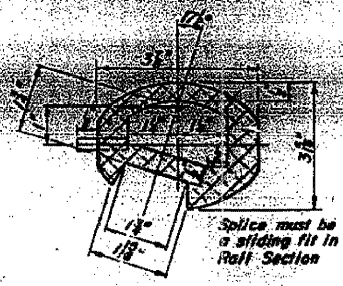
SECTION A-A



SEC. THRU ELLIPTICAL RAIL SECTION



PARAPET JOINT DETAIL



SEC. THRU SPLICE

**BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
ALUMINUM RAILING, TYPE L	LN.F.	2122'

ALUMINUM RAILING  
TYPE L  
WHITESIDE COUNTY  
STATION 145240

DESIGNED DAN KRULL  
CHECKED M.S.P.  
DRAWN Joe Sutherland  
CHECKED M.R.

EXAMINED *Feb 29 1980*  
PASSED  
APPROVED  
DEPUTY SECRETARY, CHIEF TRANSPORTATION ENGINEER