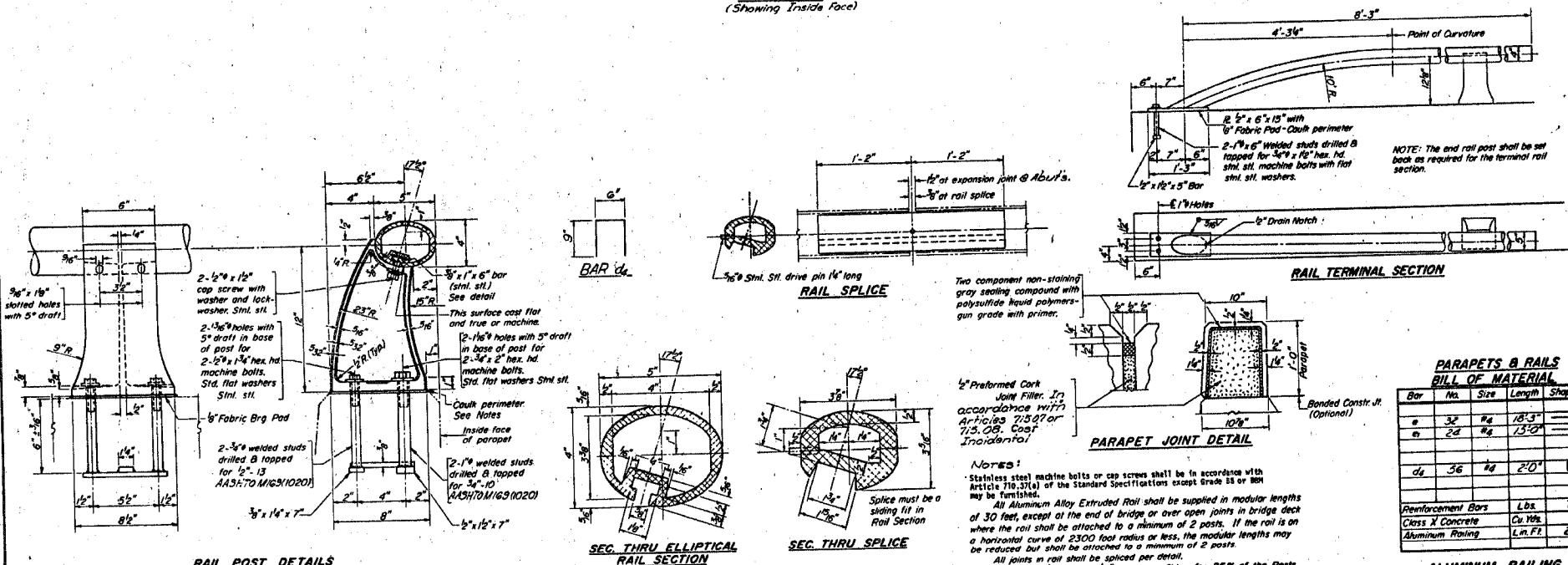
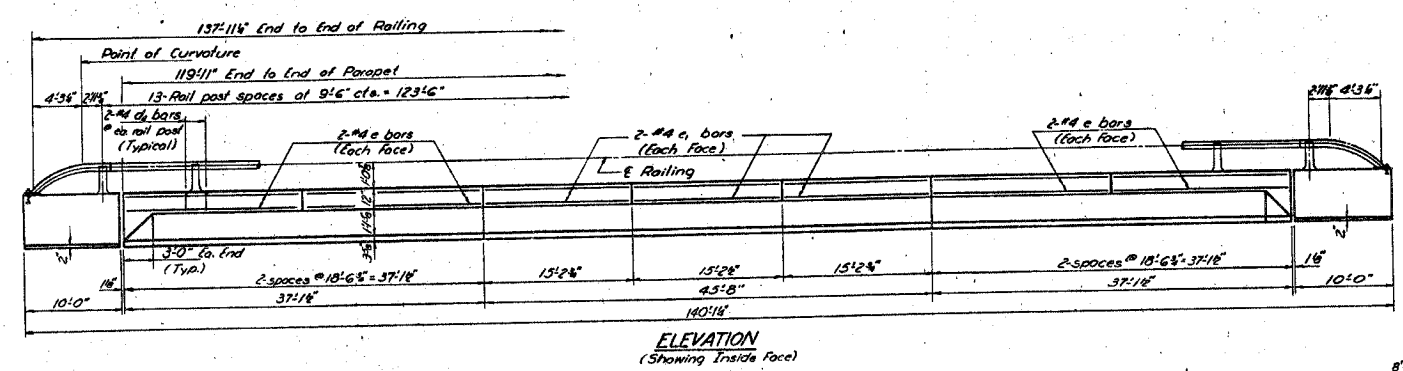


52K

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	805 147	STATION	St. Clair 147	55	SHEET NO. 12
					20 SHEETS



**PARAPETS & RAILS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a	32	#4	18'-3"	—	
b	24	#4	13'-0"	—	
c	36	#4	2'-0"	□	
Reinforcement Bars				Lbs.	110
Class II Concrete				Cu Yds.	2.1
Aluminum Railing				Lm. Ft.	276

DESIGNED: Stanley S. ...
CHECKED: J. ...
DRAWN: ...
EXAMINED: ...
DATE: June 29 1972

NOTES:
Stainless steel machine bolts or cap screws shall be in accordance with Article 710.37(a) of the Standard Specifications except Grade SS or 304 may be furnished.
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 2500 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 1-1/2" and 2-1/2" Aluminum Shimms for 25% of the Posts. Rail element shall be parallel to Grade - high spots shall be ground and low spots shimmed.
Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers, gun grade with primer. Fabric Bearing Pad shall have same dimensions as base of post.
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.