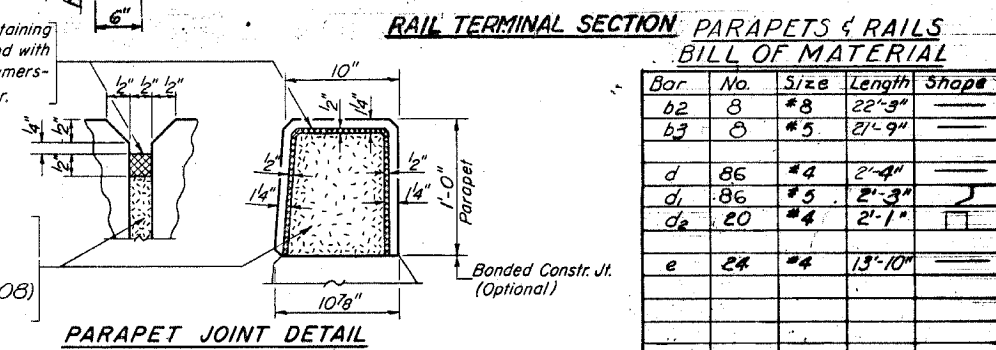
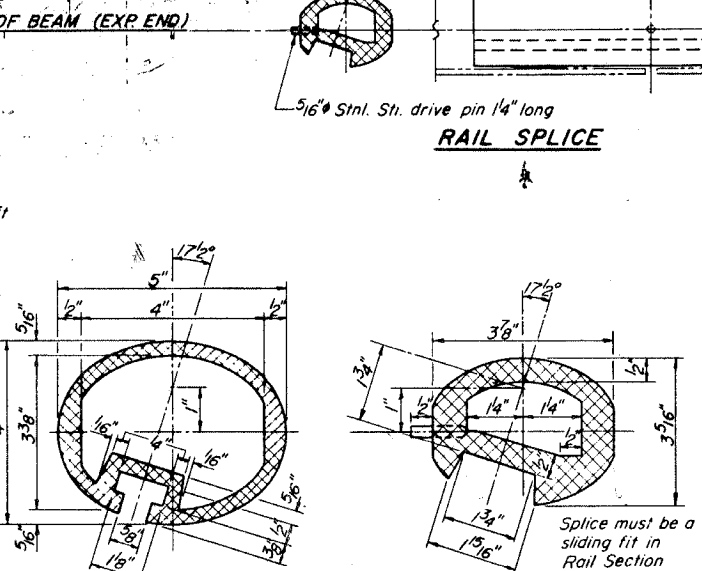
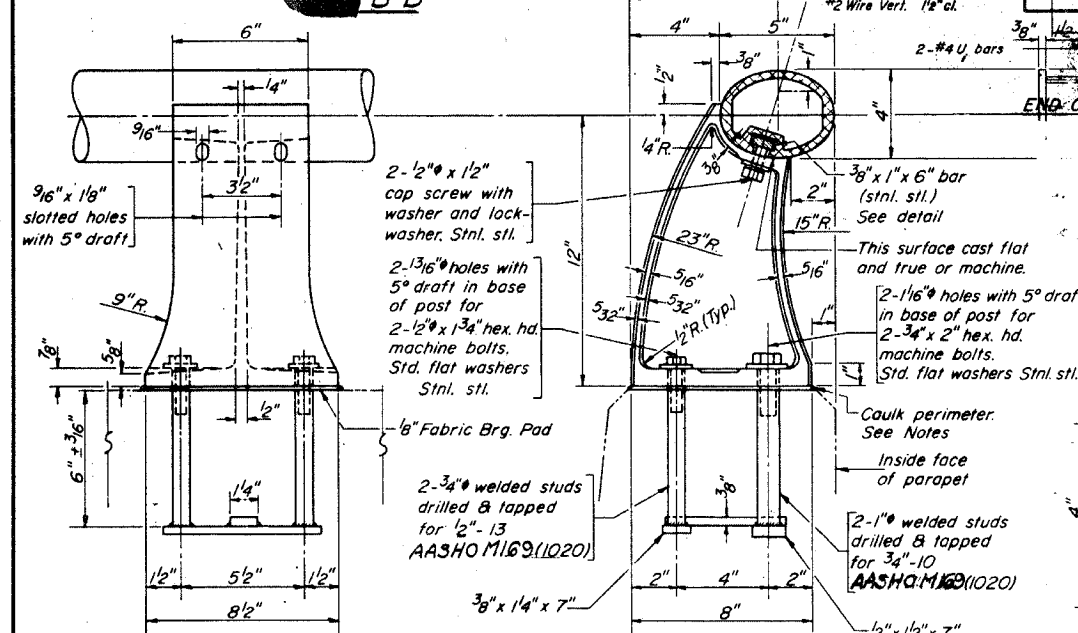
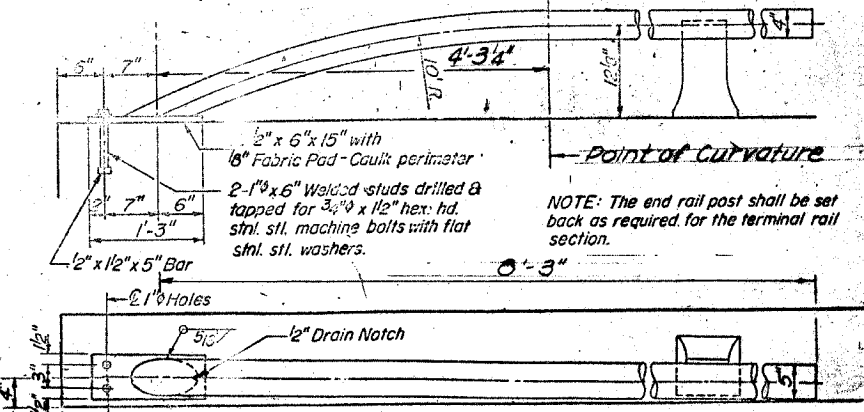
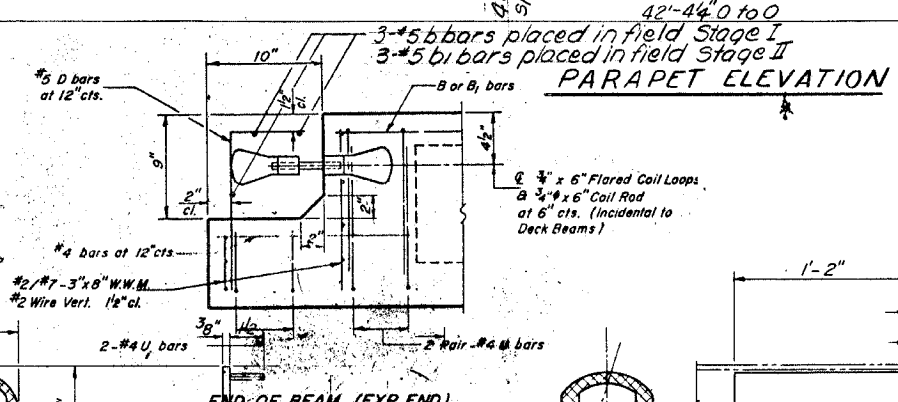
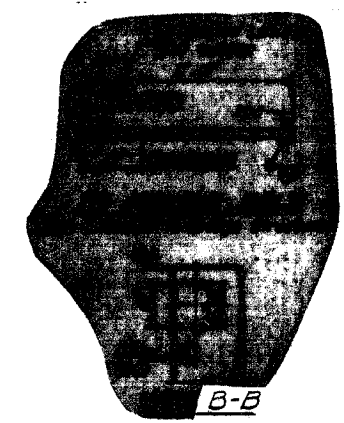
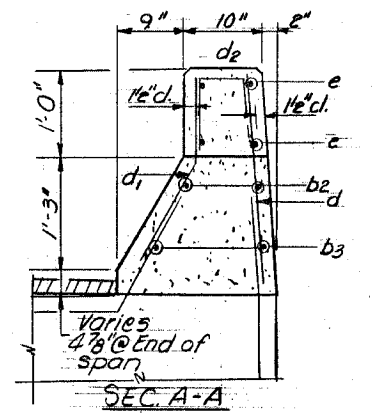
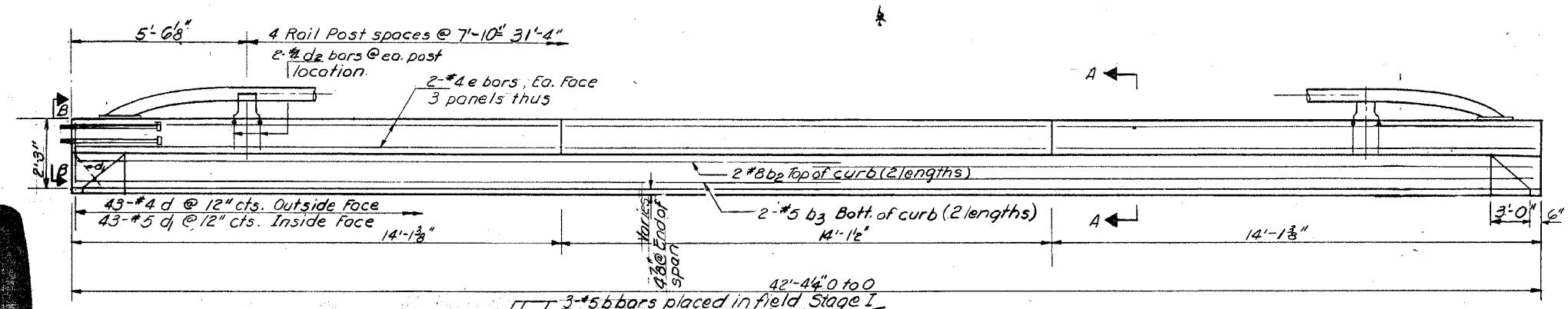


PROJECT NO.	DATE	DESIGNER	CHECKER
310	11-28-68	LEE	28



Bar No.	Size	Length	Shape
b2	#8	22'-9"	—
b3	#5	21'-9"	—
d	#6	2'-4"	—
d1	#5	2'-3"	—
d2	#4	2'-1"	—
e	#4	13'-10"	—

Material	Quantity	Weight
Reinforcement Bars	Lbs.	1240
Class X Concrete	Cu. Yds.	9.4
Aluminum Railing	Lin. Ft.	80

NOTES:  
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 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 B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.

DESIGNED J. M. Patel  
CHECKED J. B. Robinson  
DRAWN Bev Robinson  
CHECKED J. B. Robinson

EXAMINED Nov. 24 1971  
PASSED H. C. Bammann  
APPROVED Richard H. Hollerman