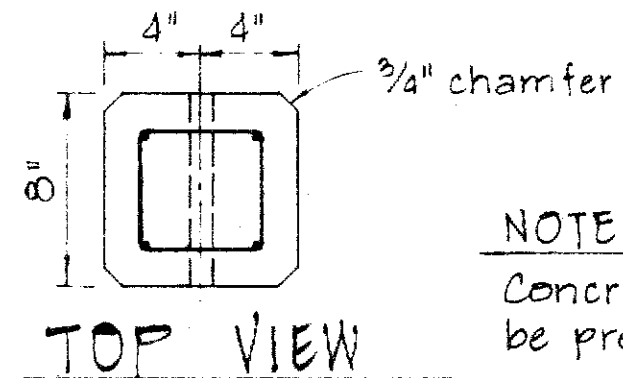
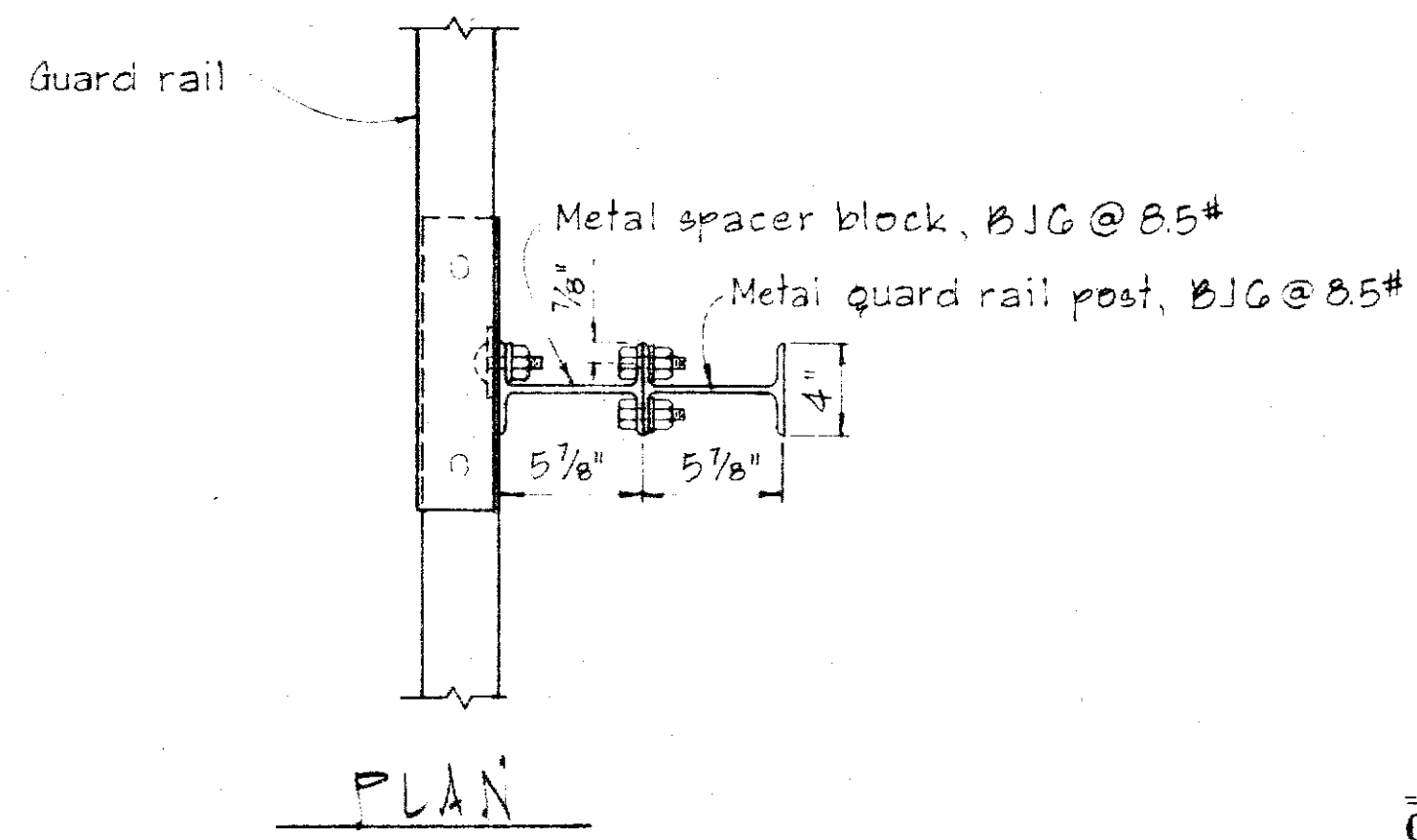
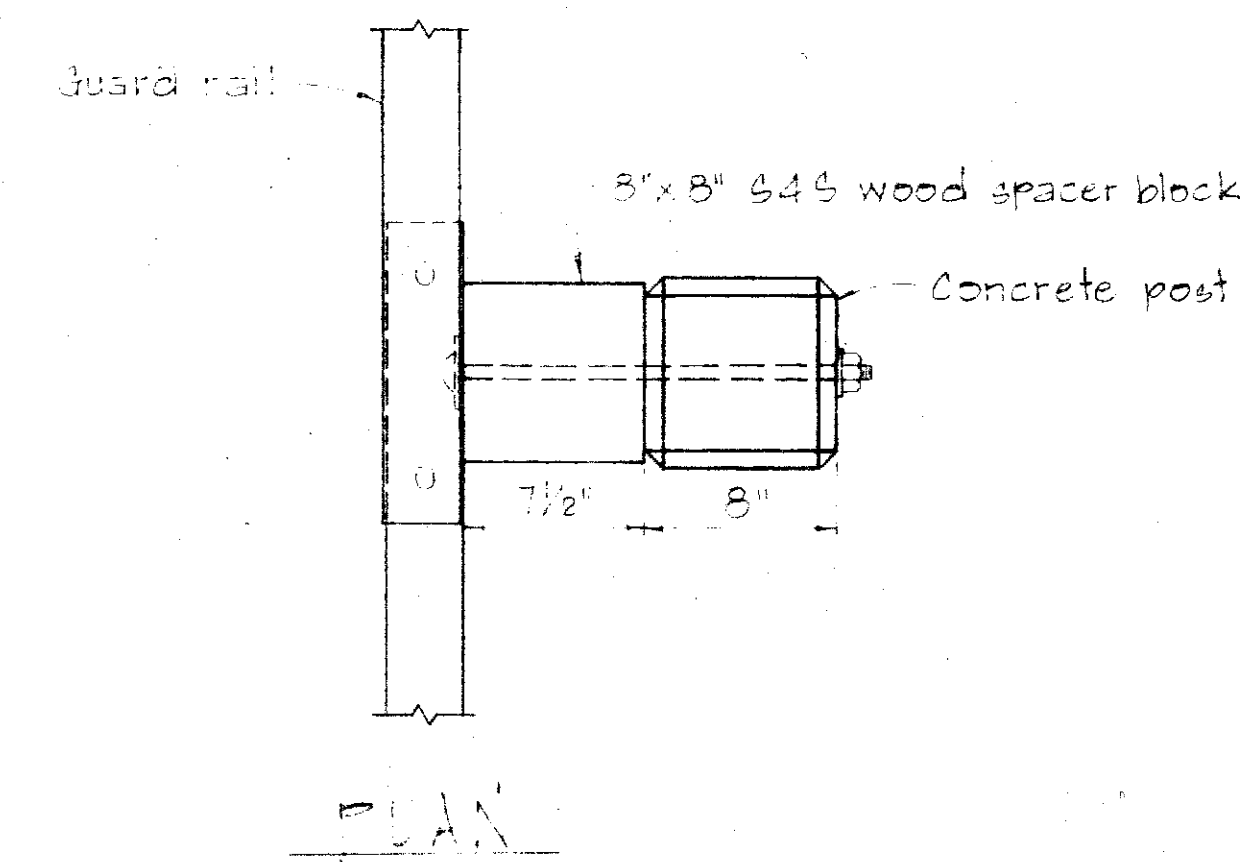
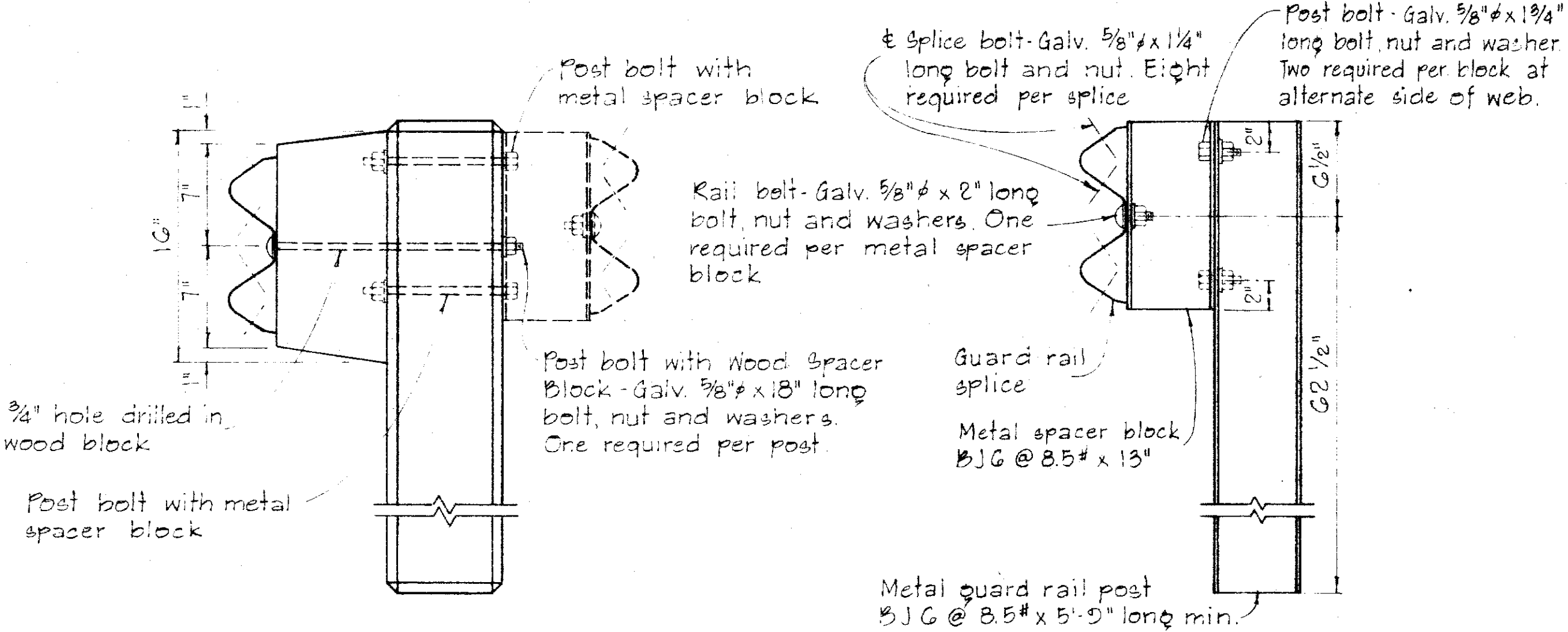
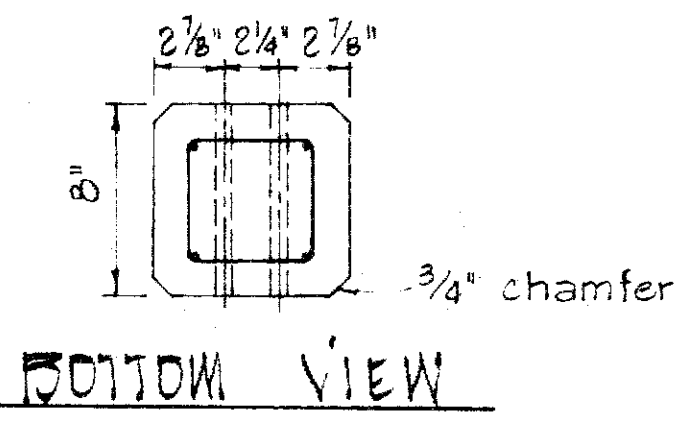
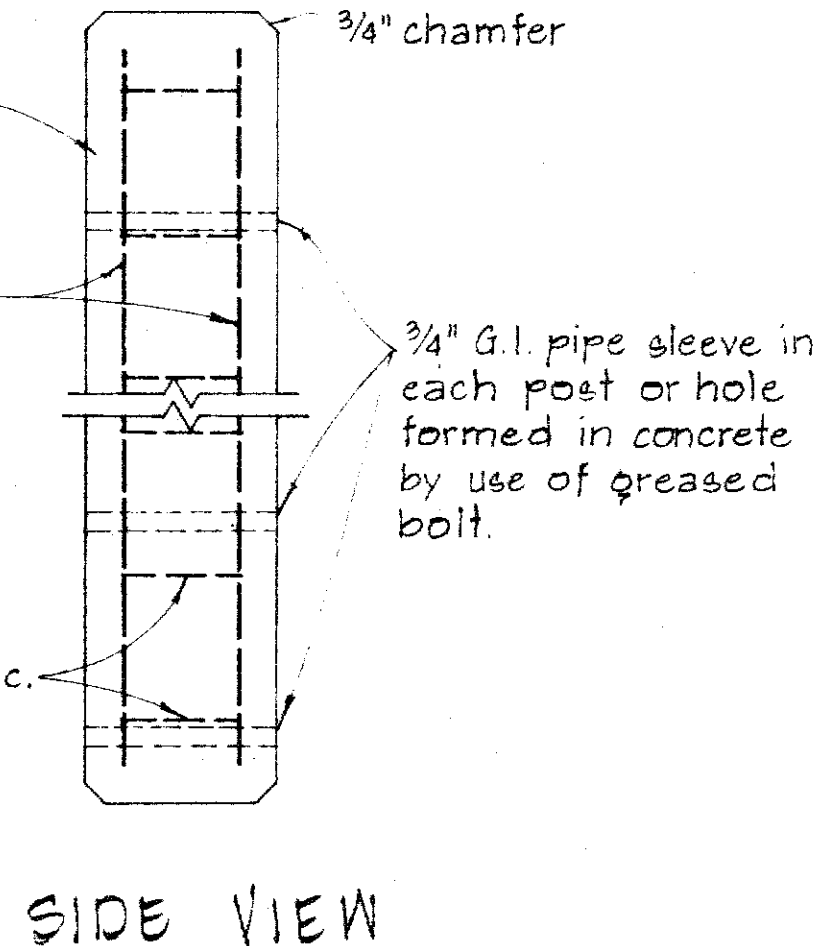
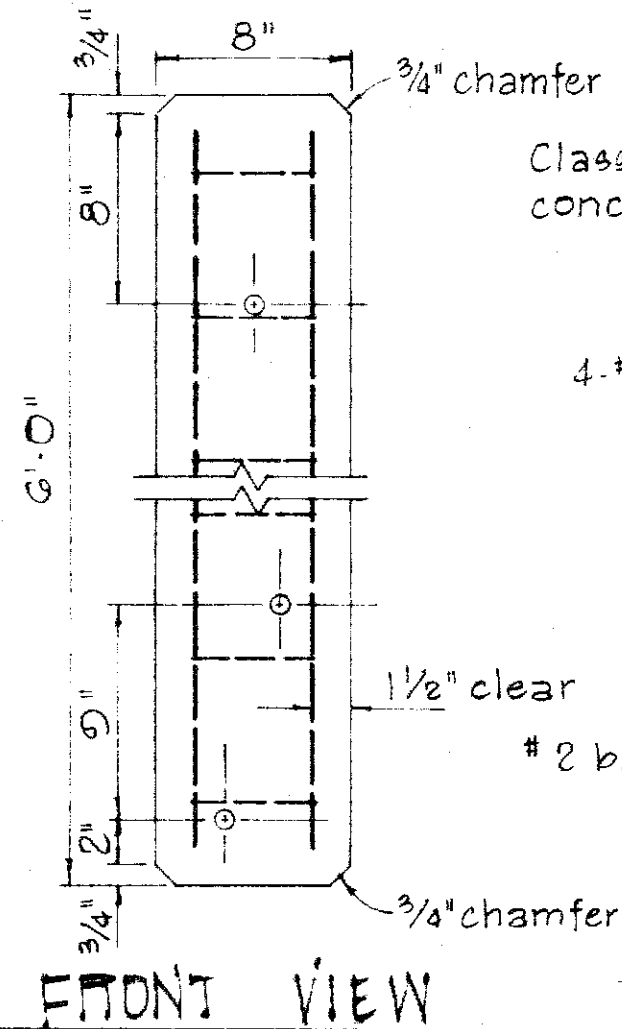


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

REVISED: 12-11-66
REVISED: 2-26-69

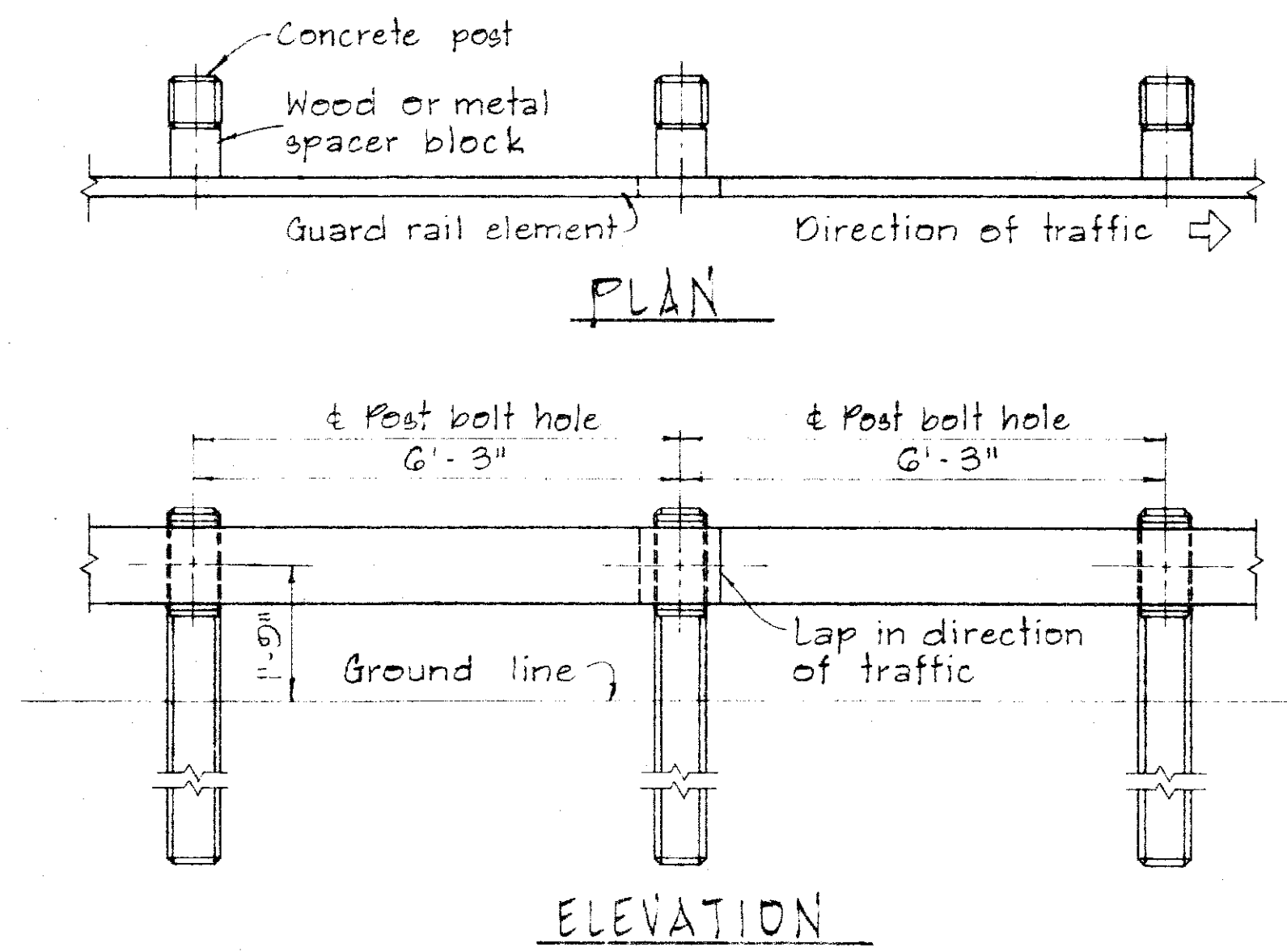


NOTE:
Concrete post shall be precast

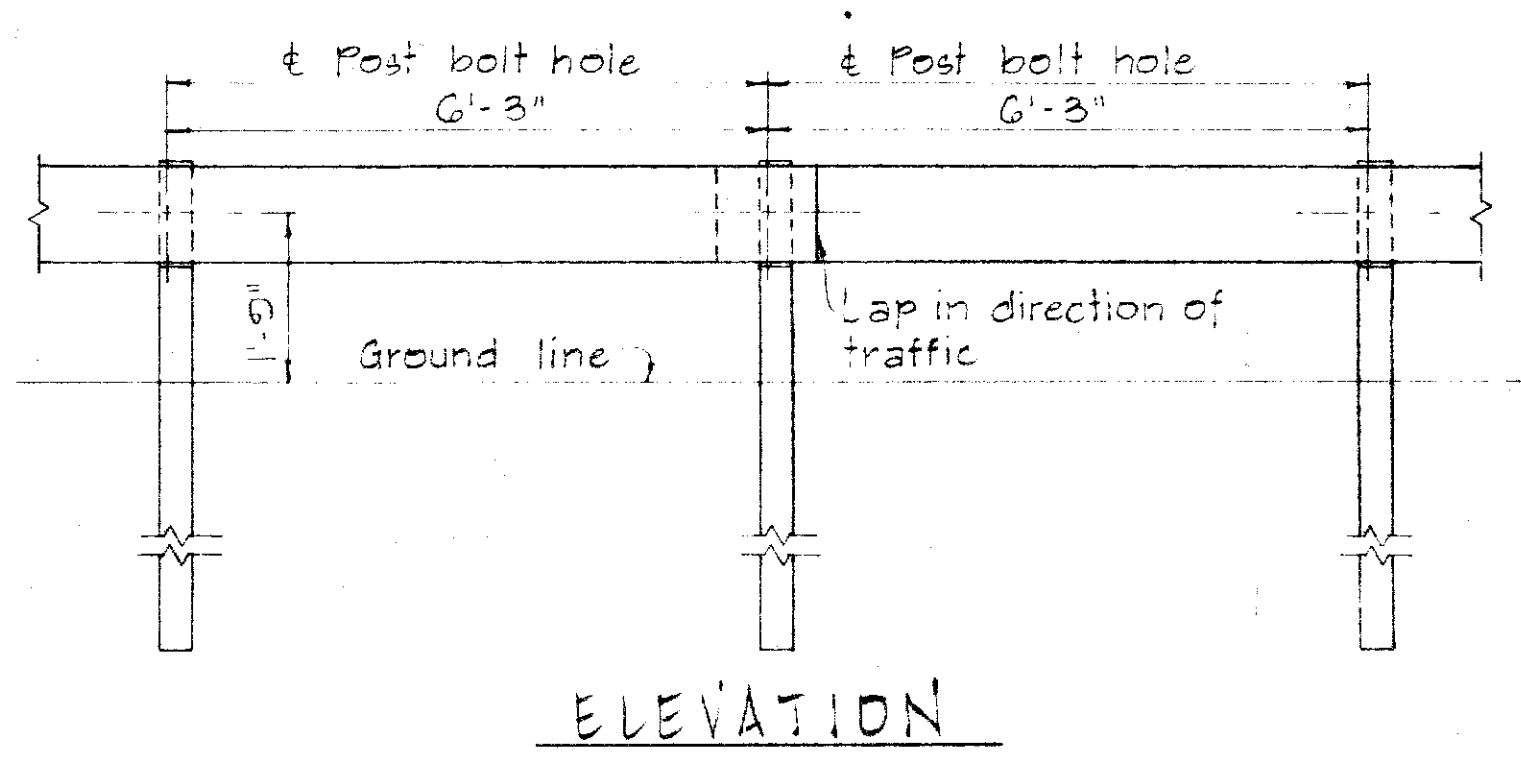


SINGLE METAL GUARD RAIL ON METAL POST
WITH METAL SPACER BLOCK
SCALE: 1 1/2" = 1'-0"

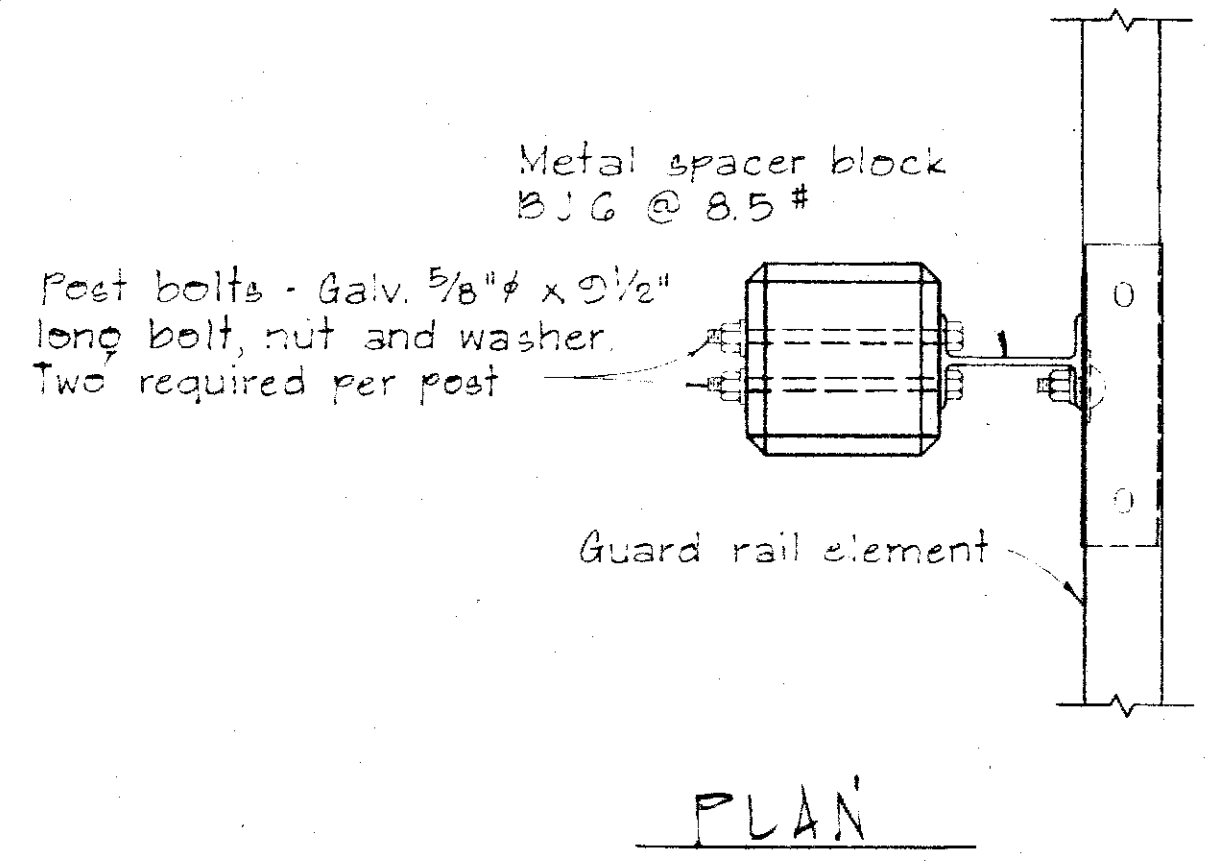
DETAIL OF CONCRETE POST
SCALE: 1 1/2" = 1'-0"



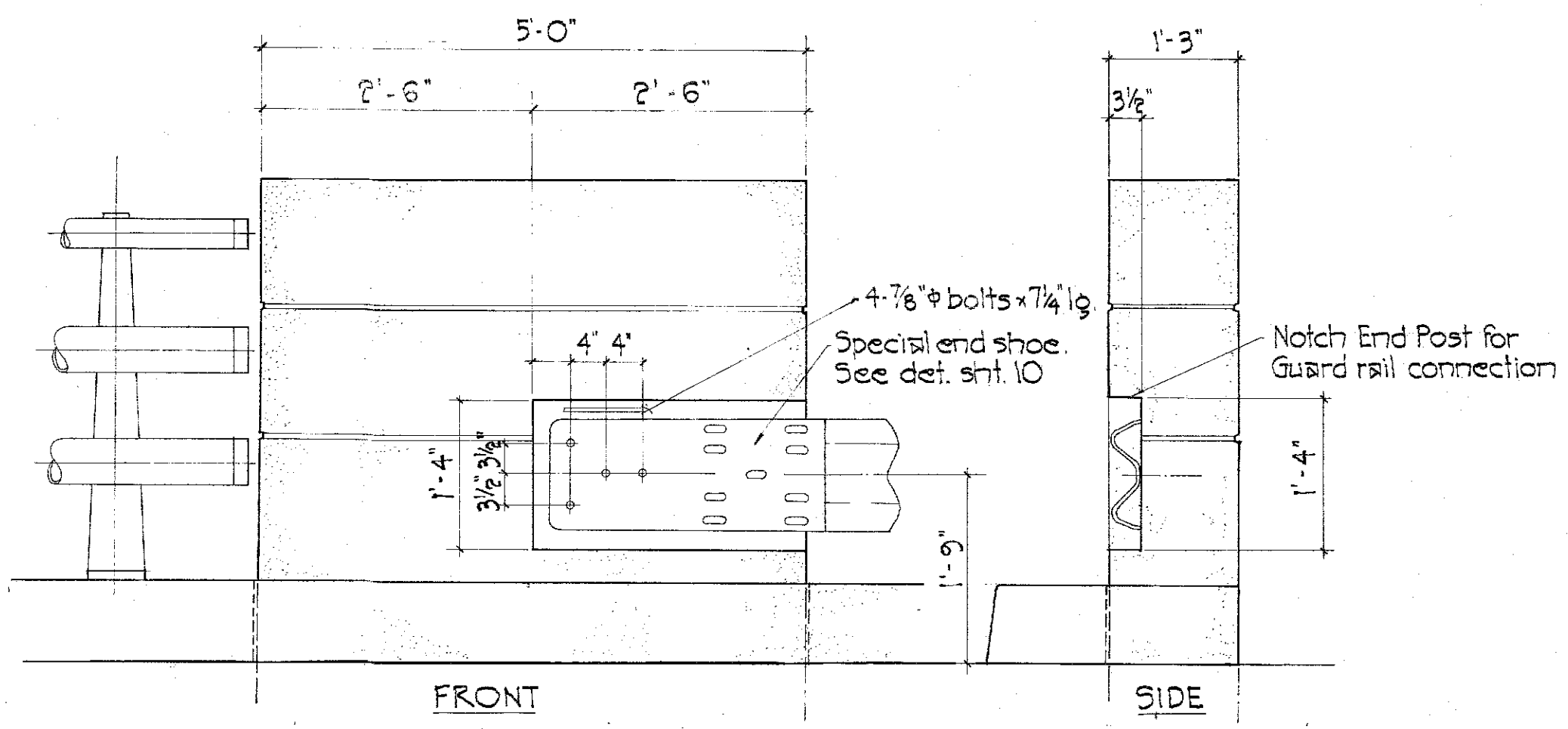
METAL GUARD RAIL ON CONCRETE POST
WITH WOOD OR METAL SPACER BLOCK
SCALE: 1 1/2" = 1'-0"



METAL GUARD RAIL ON METAL POST
WITH METAL SPACER BLOCK
SCALE: 1 1/2" = 1'-0"



SINGLE METAL GUARD RAIL ON PRECAST
CONCRETE POST WITH WOOD OR METAL SPACER BLOCK
SCALE: 1 1/2" = 1'-0"

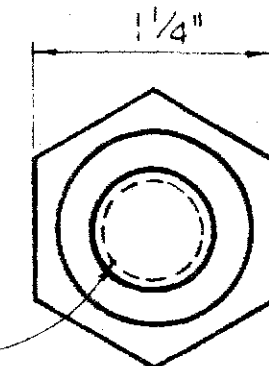
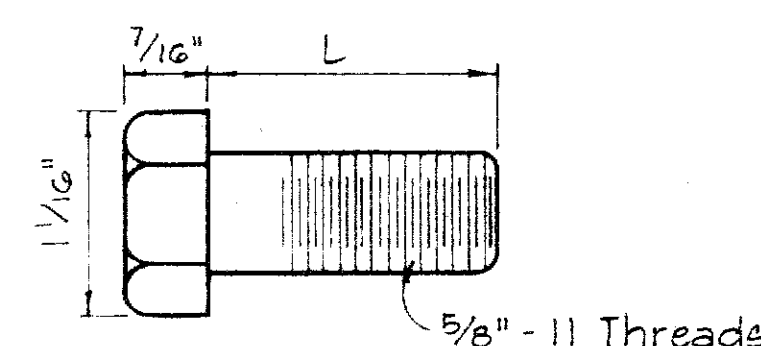
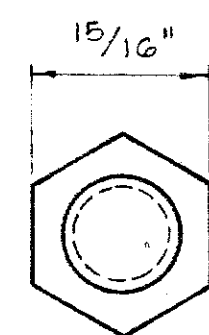


GUARD RAIL CONNECTION AT BRIDGE END POST
Scale: 3/4" = 1'-0"

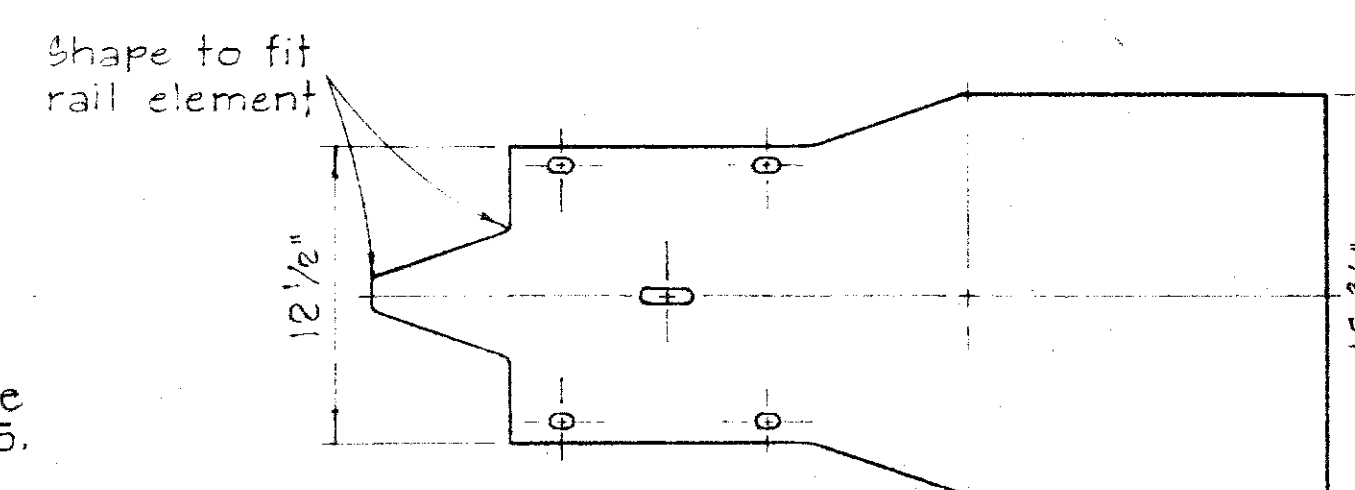
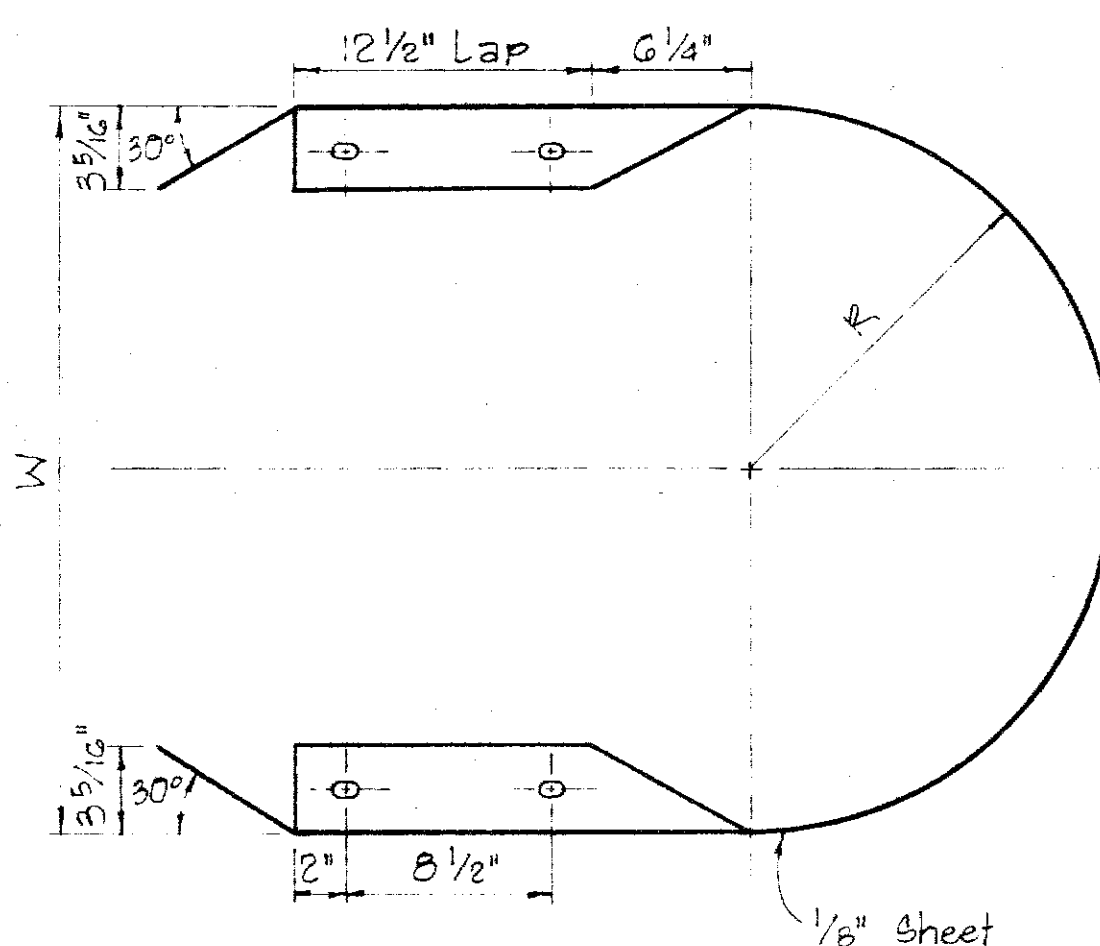
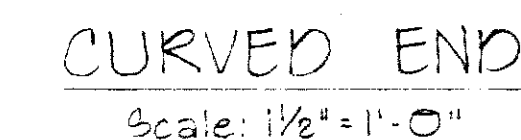
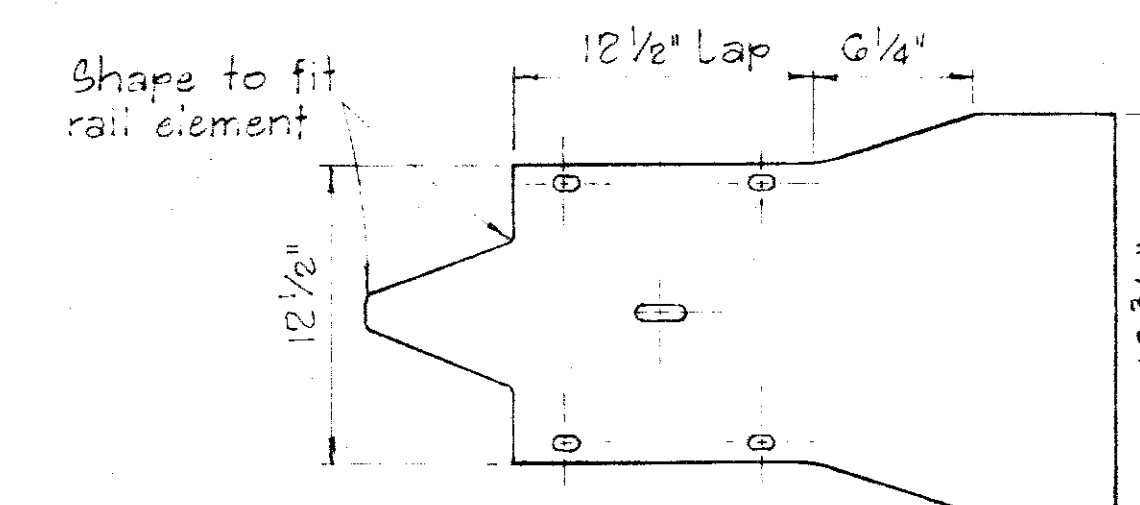
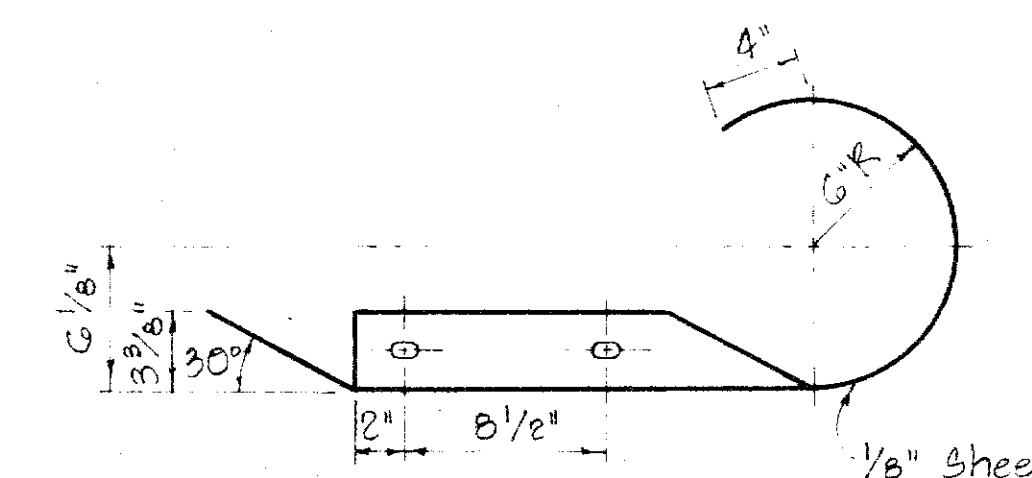
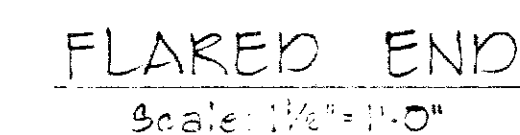
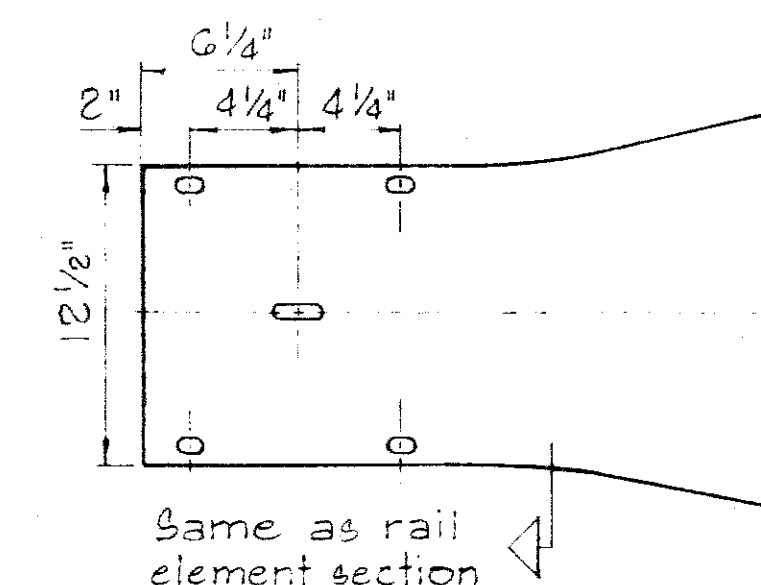
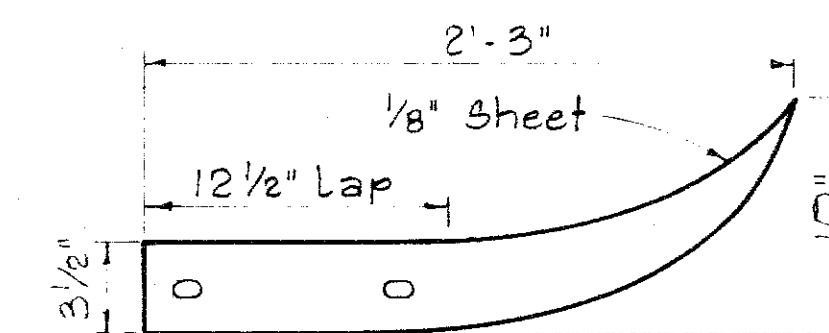
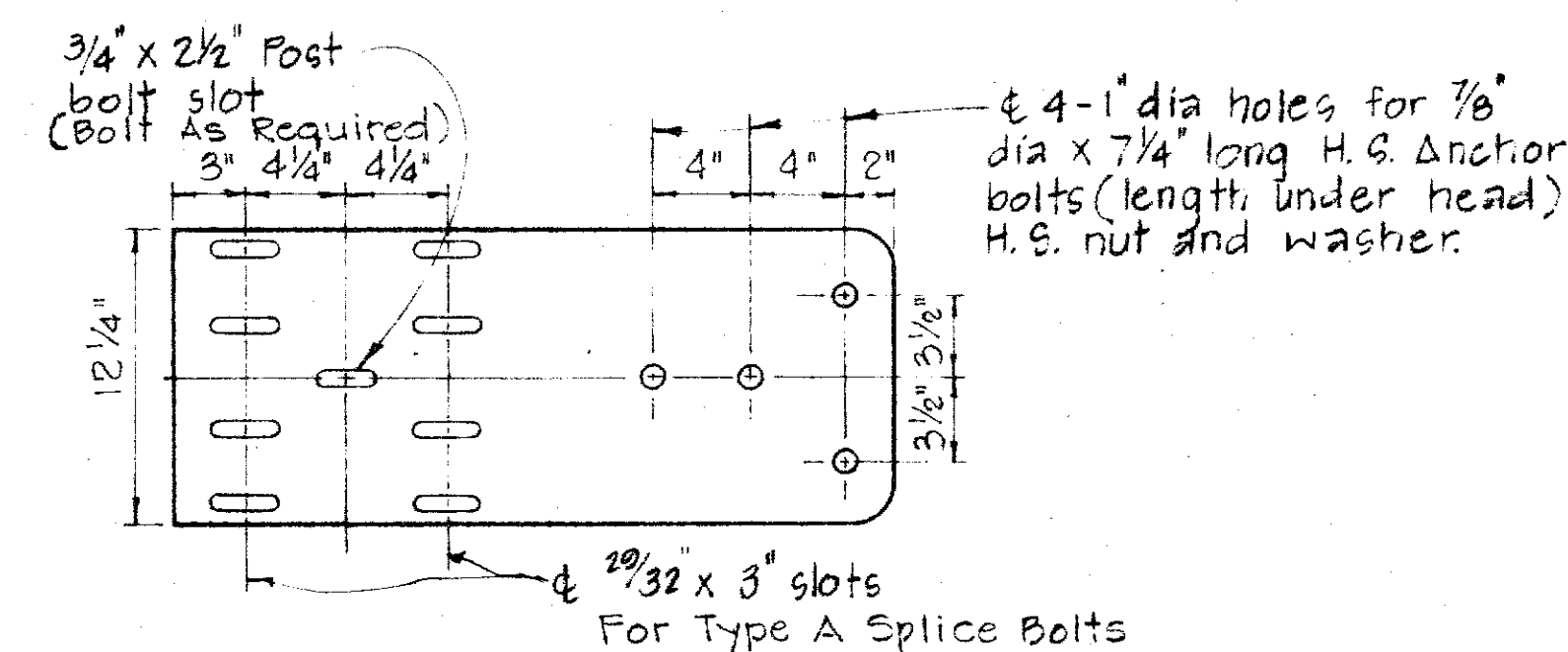
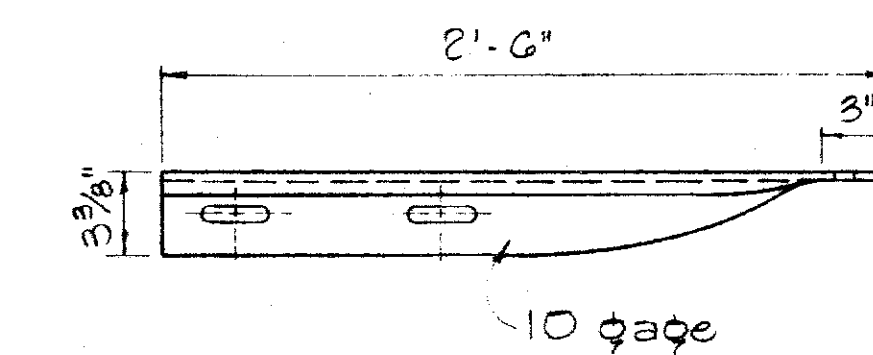
DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
REVISIONS	

Revised: Dec. 11, 1968

BOLT DIMENSIONS	
TYPE B BOLT	L
Post Bolt for Conc Post w/ Metal Blocks	9 1/2
Post Bolt for Metal Post w/ Metal Block	1 3/4



5/32" Deep x 15/16" Dia. C' Bore
for Type A Bolt only.
plain nut for Type B Bolt.



MEDIAN END DIMENSIONS		
TYPE OF POST AND BLOCK	W	R
Double Metal Guard Rail on Concrete Post with Wood Blocks	29 3/4"	14 1/2"
Double Metal Guard Rail on Concrete Post with Metal Blocks (BJG)	26 1/8"	13 1/4"
Double Metal Guard Rail on Metal Post with Metal Blocks (BJG)	24 3/8"	12 3/4"

STANDARD DETAILS

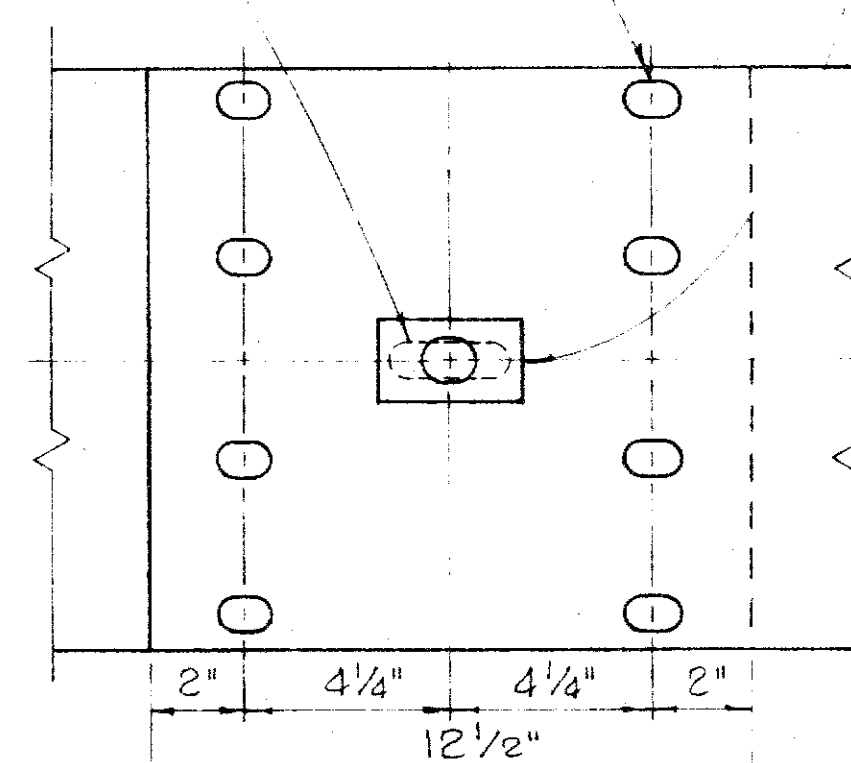
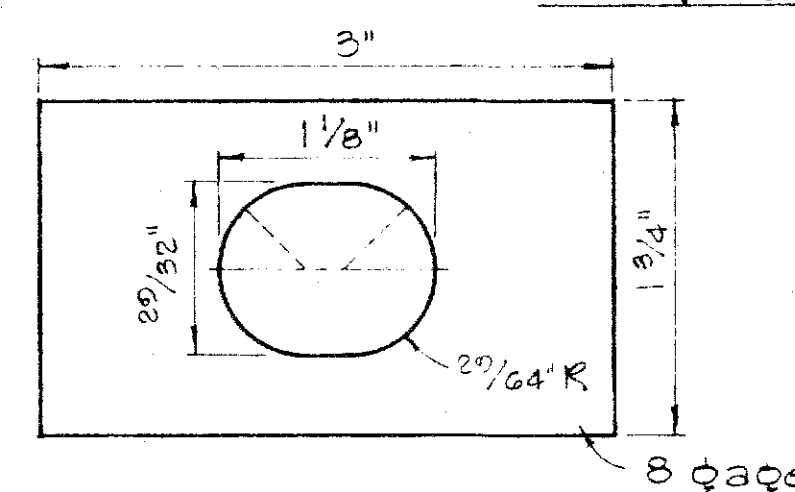
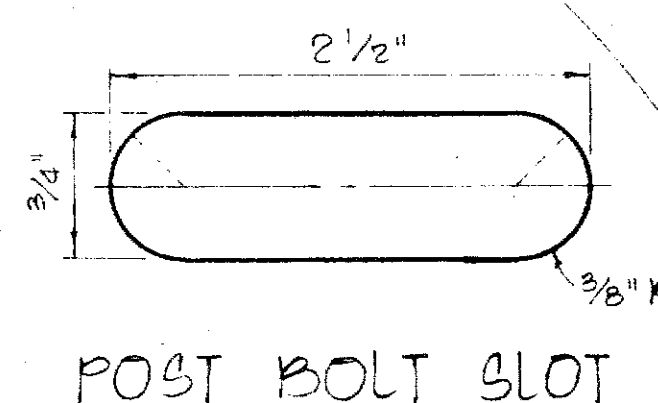
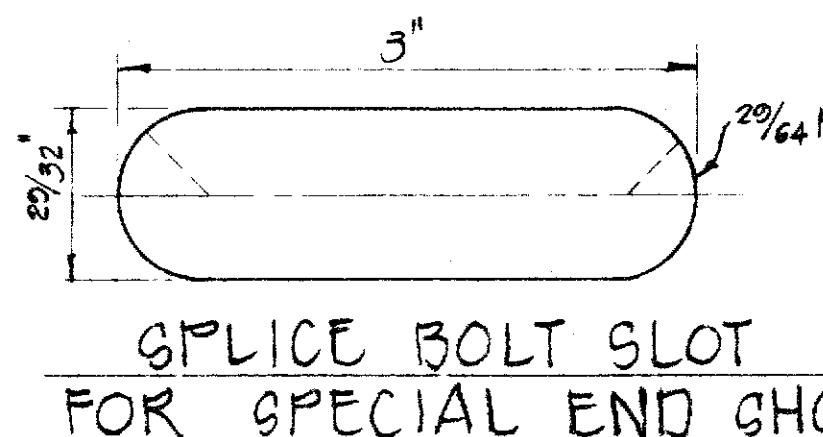
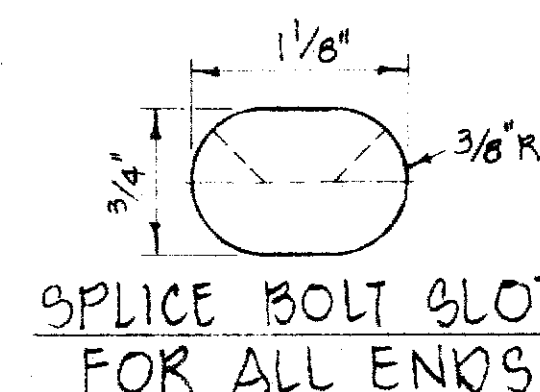
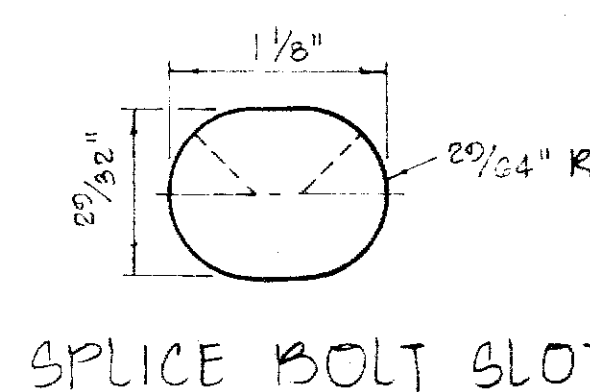
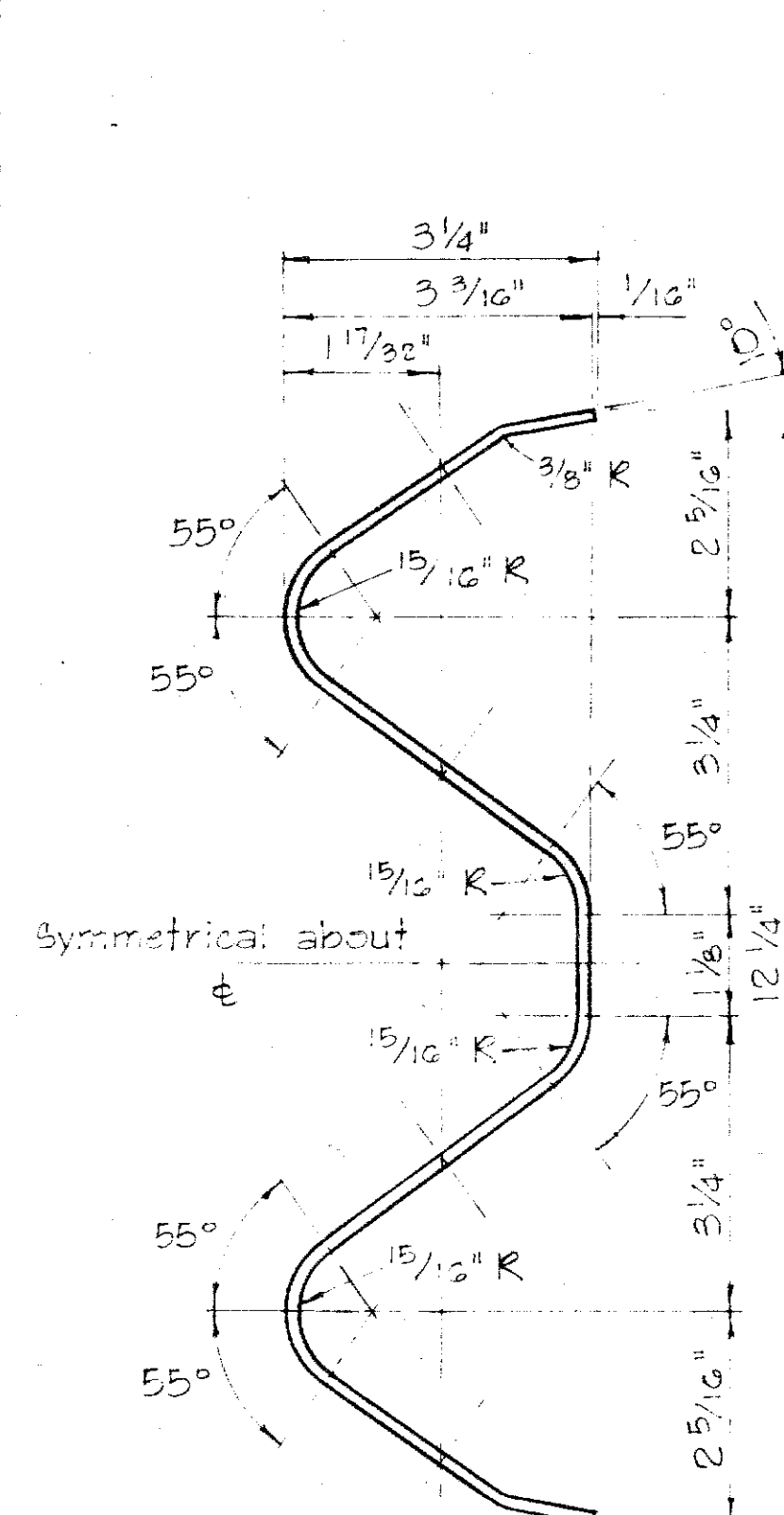
METAL GUARD RAIL

Scale: As Noted	August, 1968
SHEET No. 10 OF 10 SHEETS	
PT 501	

TYPE B BOLT

HEXAGON NUT

Scale: Full Size



RAIL SPLICE

Scale: 3" = 1'-0"

NOTES:

1. H.S. Bolts shall conform to the requirements of ASTM A-325.
2. Special End Shoe shall be fabricated from 10 Gage steel conforming to the requirements of AA5HO 182.

Shape to fit
rail element

RAIL ELEMENT SECTION

Scale: 6" = 1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY _____
	TRACED BY _____
NOTE BOOK	DESIGNED BY _____
	QUANTITIES BY _____
No. _____	CHECKED BY _____