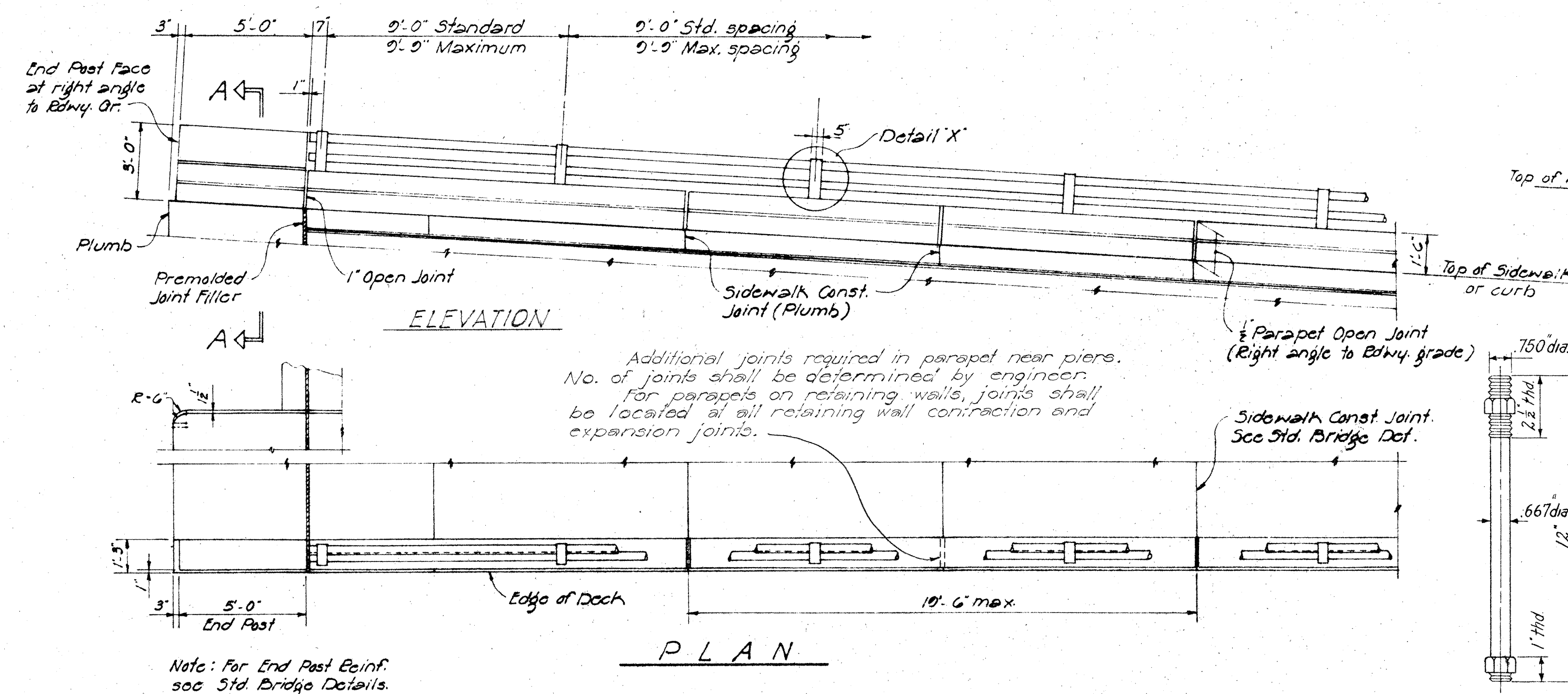


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	1955-07022 UNIT 3	1960	60	70

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	1955-07022 UNIT 4 BROOKS UNIT 3	1960	48	118
			1960	40	115

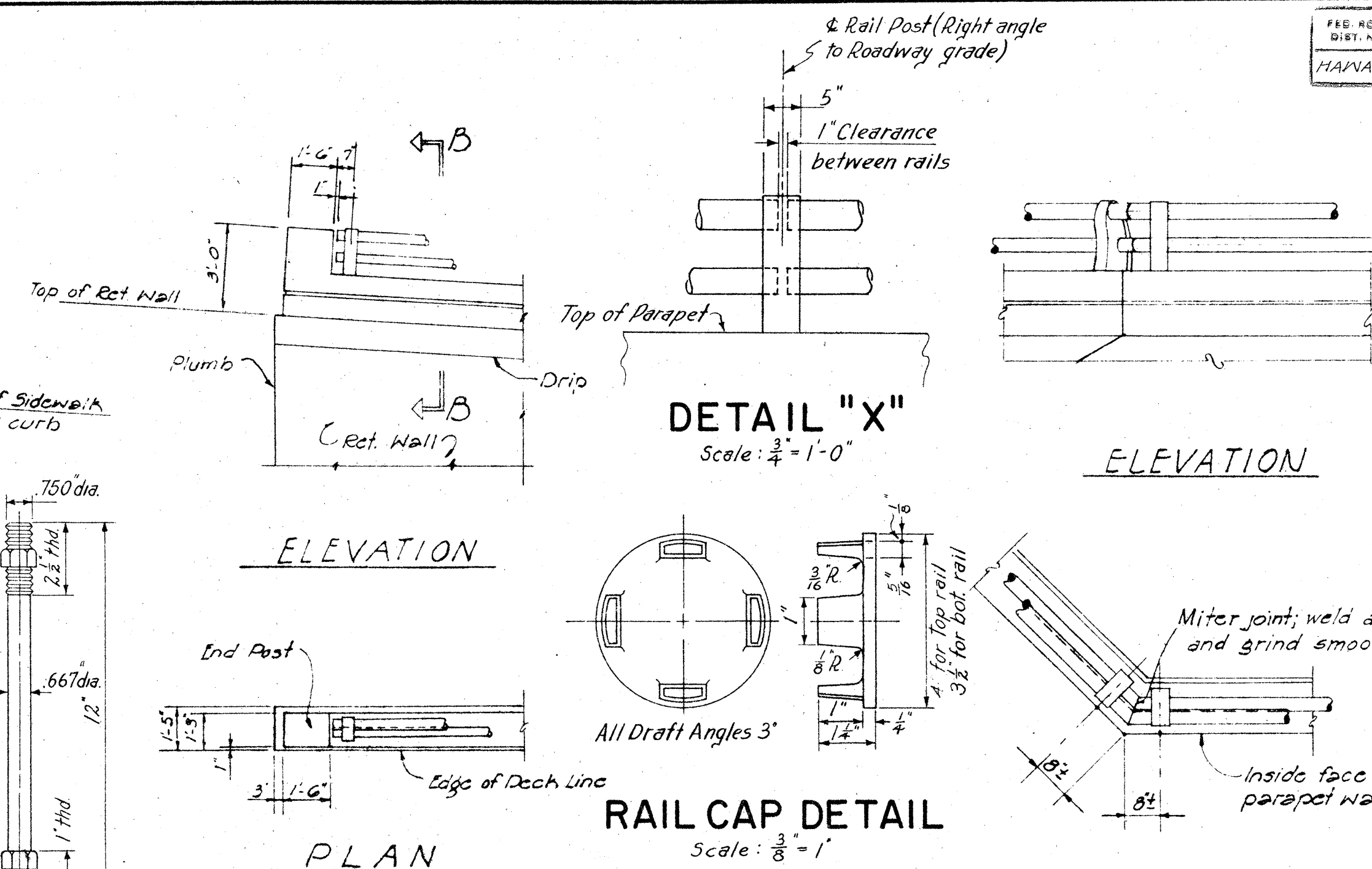
1-3' Various

6-23-60
7-5-60

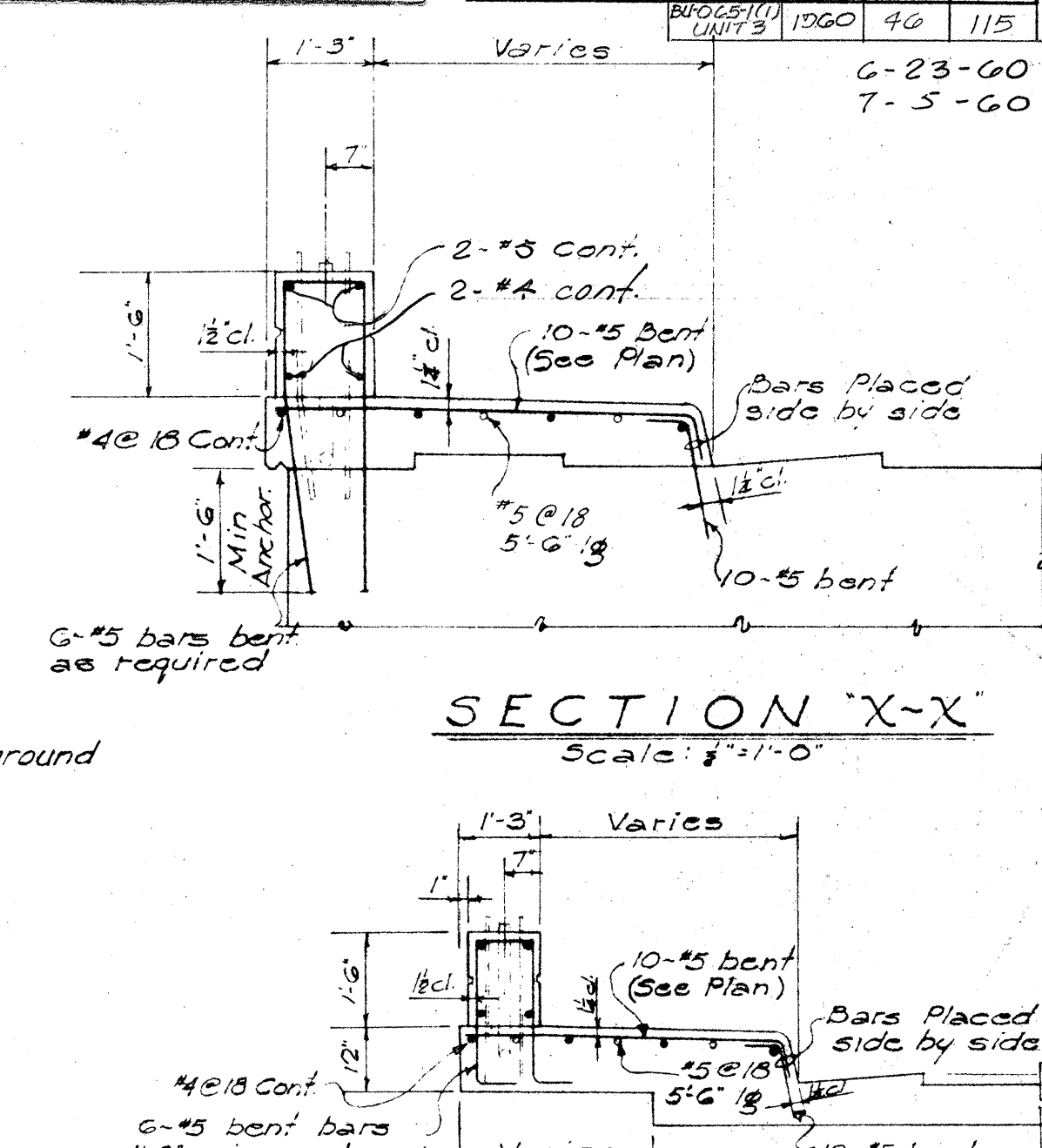


ALUMINUM RAILING DETAIL

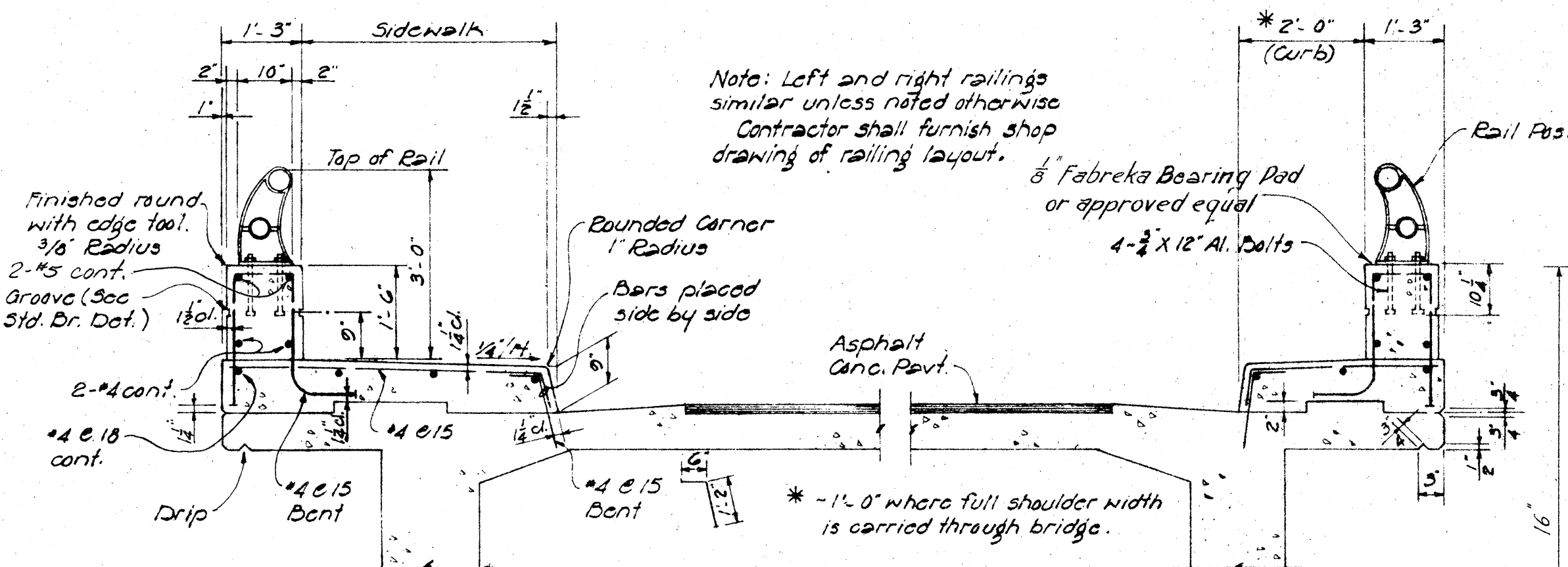
Scale = 1/4" = 1'-0"



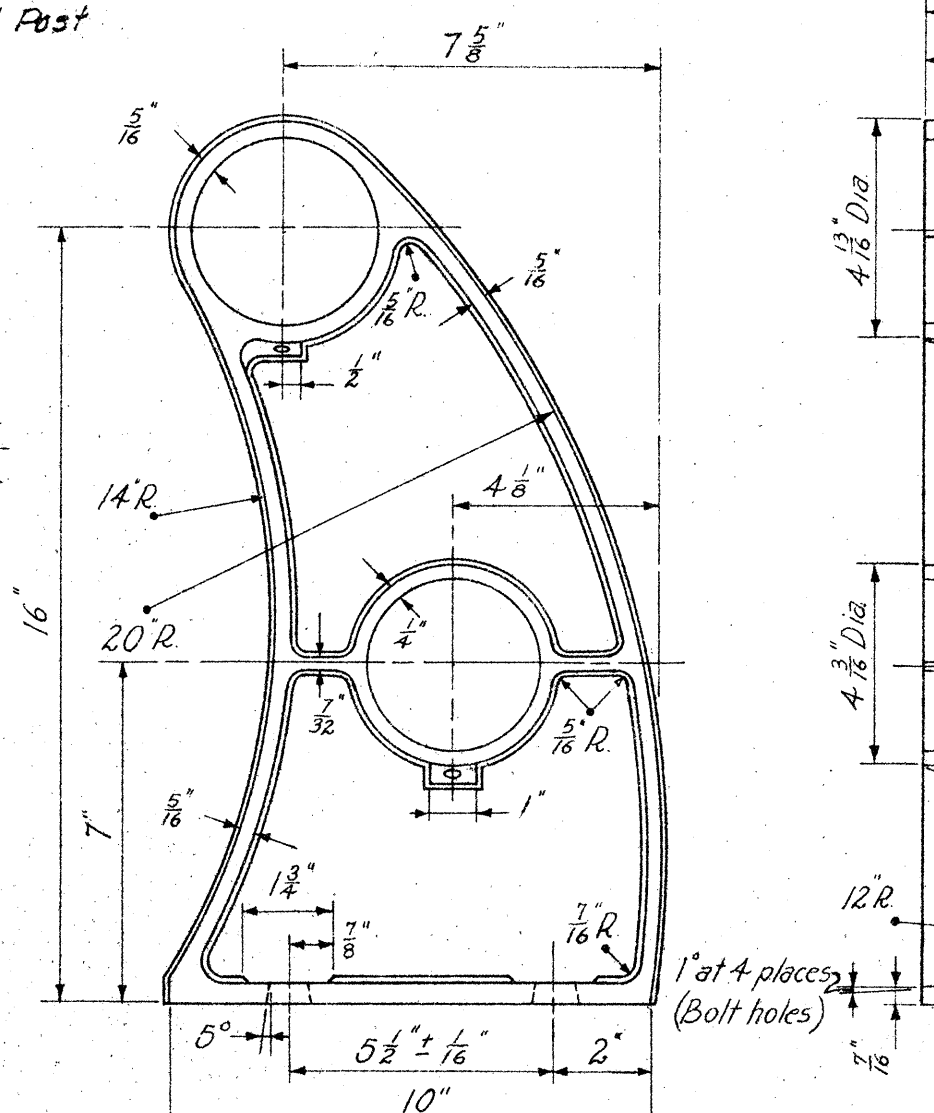
ANCHOR TREATMENT OF RAILING
BOLT DETAIL ON RETAINING WALL
Scale: 3"=1'-0" Scale: 3/4"=1'-0"



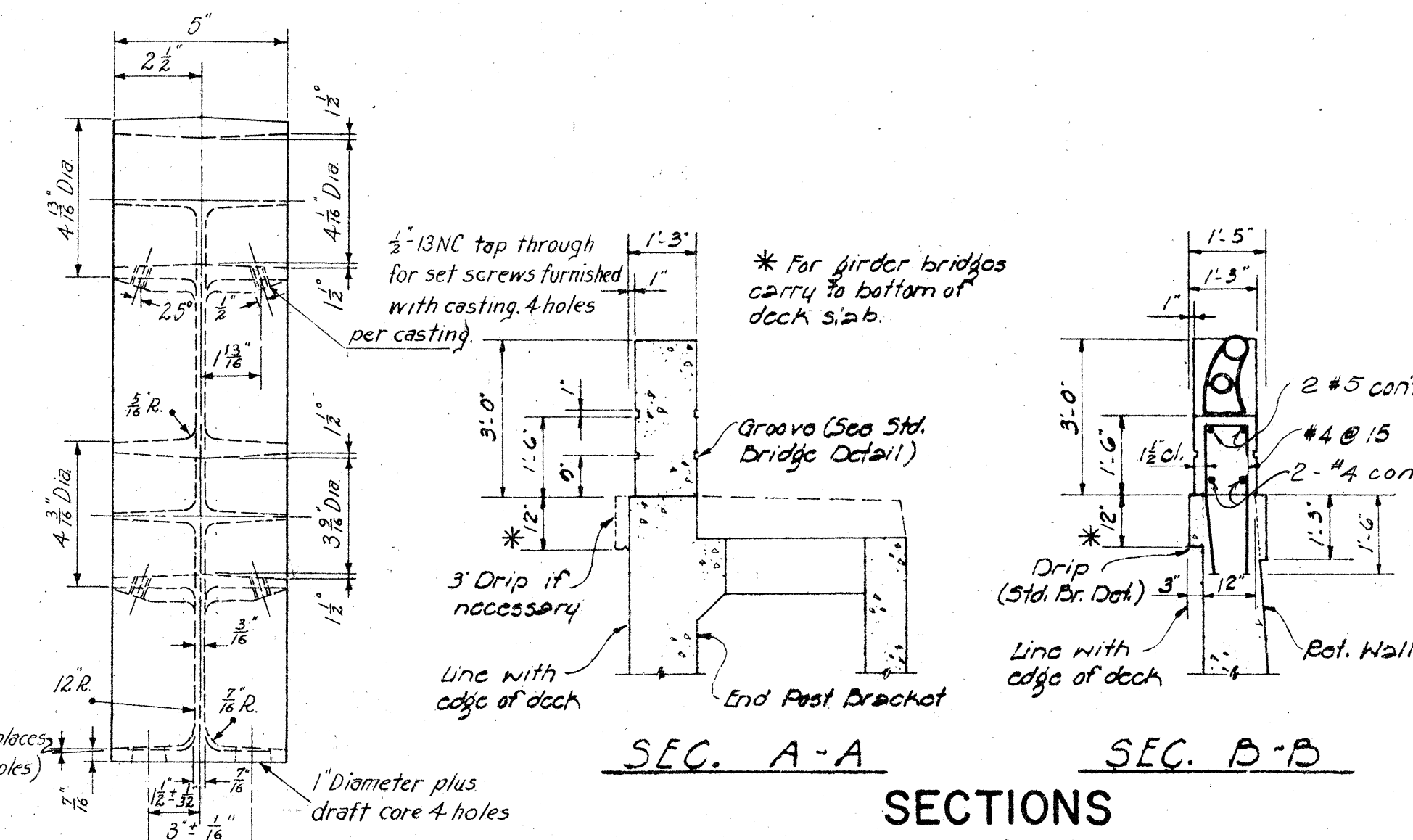
TREATMENT OF RAILING AT SKEWED JOINT



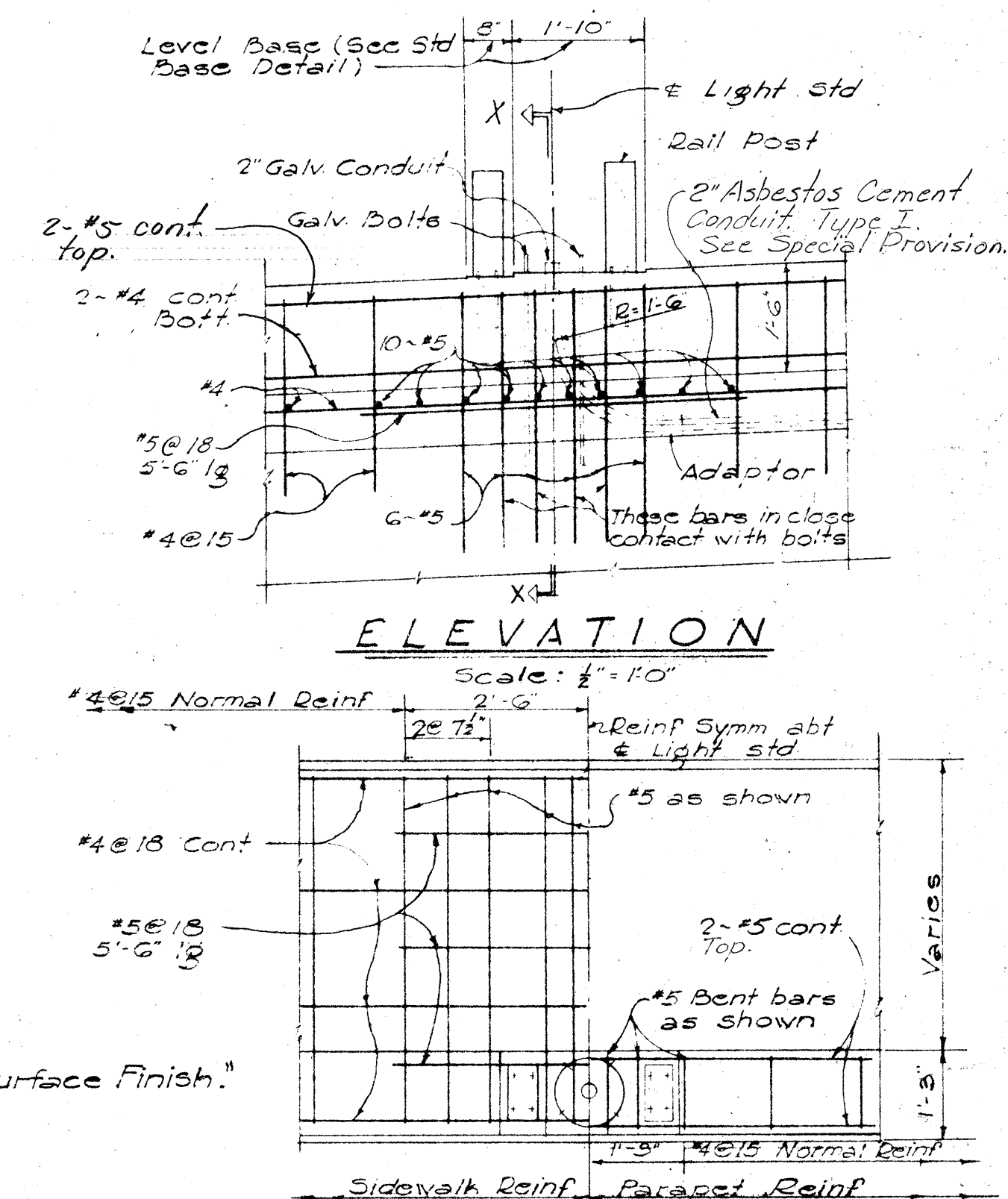
TYPICAL SECTION
Scale - 1/2" = 1' - 0"



RAIL POST DETAIL

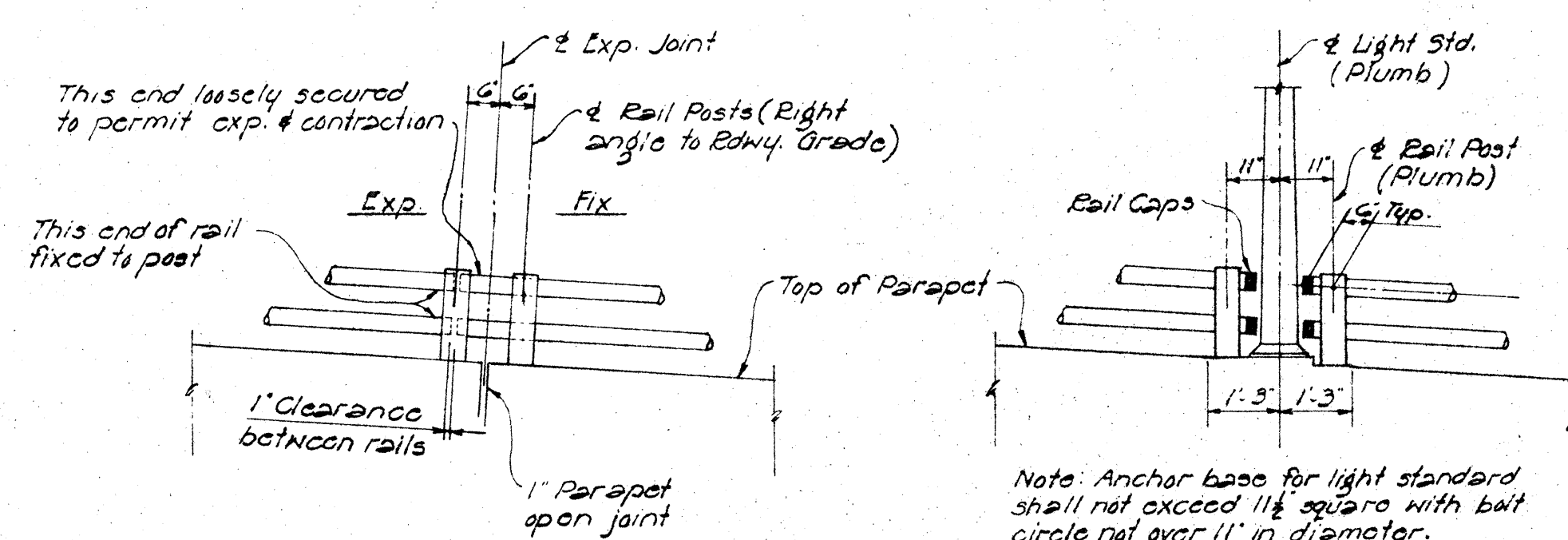


SECTIONS
Scale - 3/8" = 1'-0"

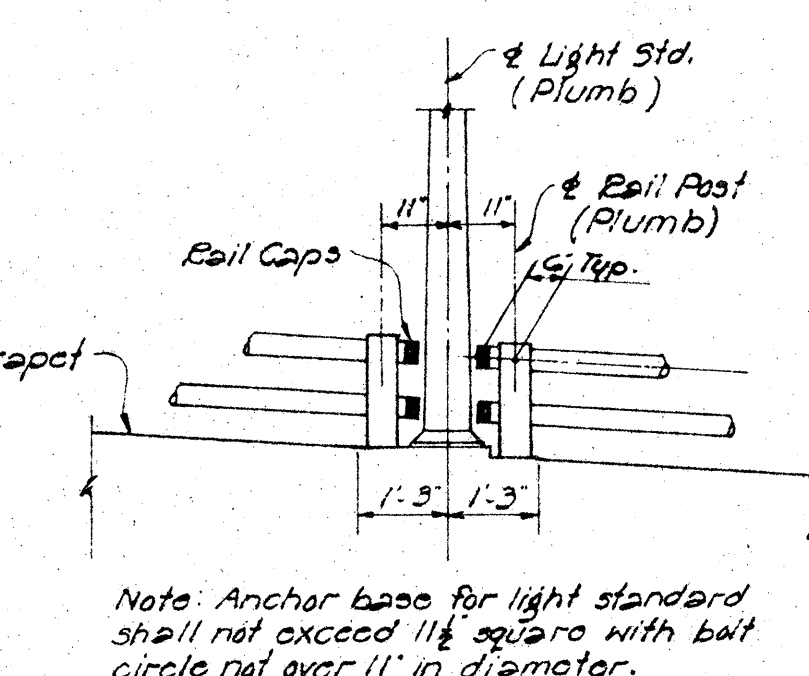


Scale: $\frac{1}{2}'' = 1'-0''$

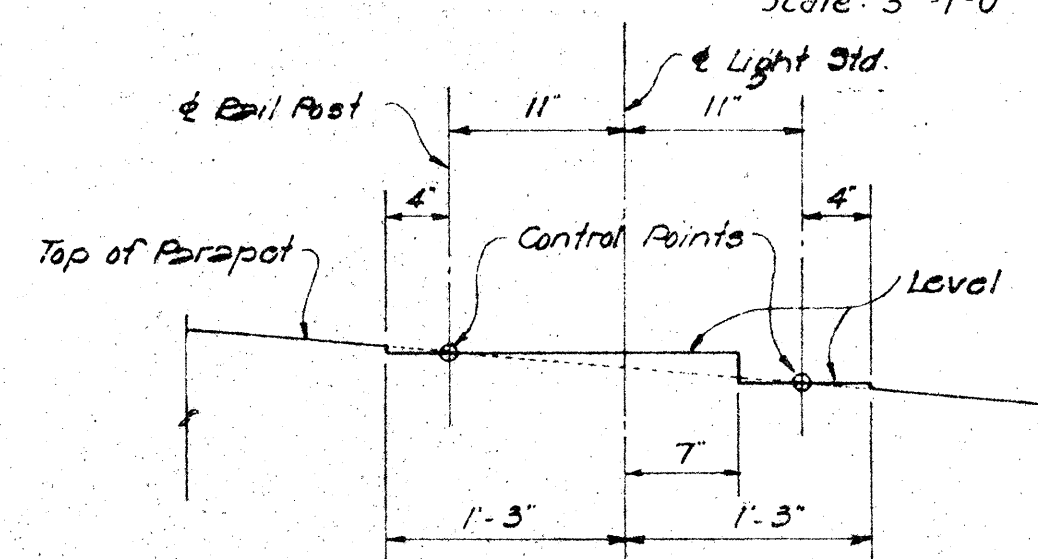
LIGHT STD. BASE REINF. DETAIL



TREATMENT OF RAILING
AT EXP. JOINT
Scale ~ 3/8" = 1'-0"



TREATMENT OF RAILING
AT LIGHT STD.
Scale - 3/8" = 1'-0"



LIGHT STD. BASE DETAIL
Scale ~ 1" = 1'-0"

ITEM	DESCRIPTION	ALLOY	UNIT WT.
Top Rail	Al. Alloy Drawn Or Extruded Tube 4" o.d. x 1/8" thick wall.	6061 - T6	1.79 #/ft.
Bot. Rail	Al. Alloy Drawn Or Extruded Tube 3 1/2" o.d. x 1/8" thick wall.	6061 - T6	1.56 #/ft.
* Rail Post	Permanent Mold Casting. See Rail Post Detail	Post A356-T6 Bot. Sc. 2024-T4	160 #/ea.
Rail Cap	See Rail Cap Detail	Cap 356-T6	Tap - .615 #/ea. Bot. - .340 #/ea.
Bolts	Sec Anchor Bolt Detail. Provide Hexagon Nut and Plain Washer	Bolt 2024-T4 Bot 6061-T6 Nuts 2024-T4	

* Rail Post Finish: Front, top and rear faces of post shall receive a standard scratch brush finish, to be approved by the Engineer.

GENERAL NOTE
Except where, detailed otherwise in the plans,
all details on this sheet govern.
Aluminum railing concrete parapet & end post to receive "Class 2 Surface Finish."

SPECIFICATION FOR ALUMINUM RAILING

APPROVED _____ DATE: Aug. 26, 1954

STATE HIGHWAY ENGINEER

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

STANDARD DETAILS

ALUMINUM RAILING

SCALE AS NOTED

SHEET No. OF SHEETS