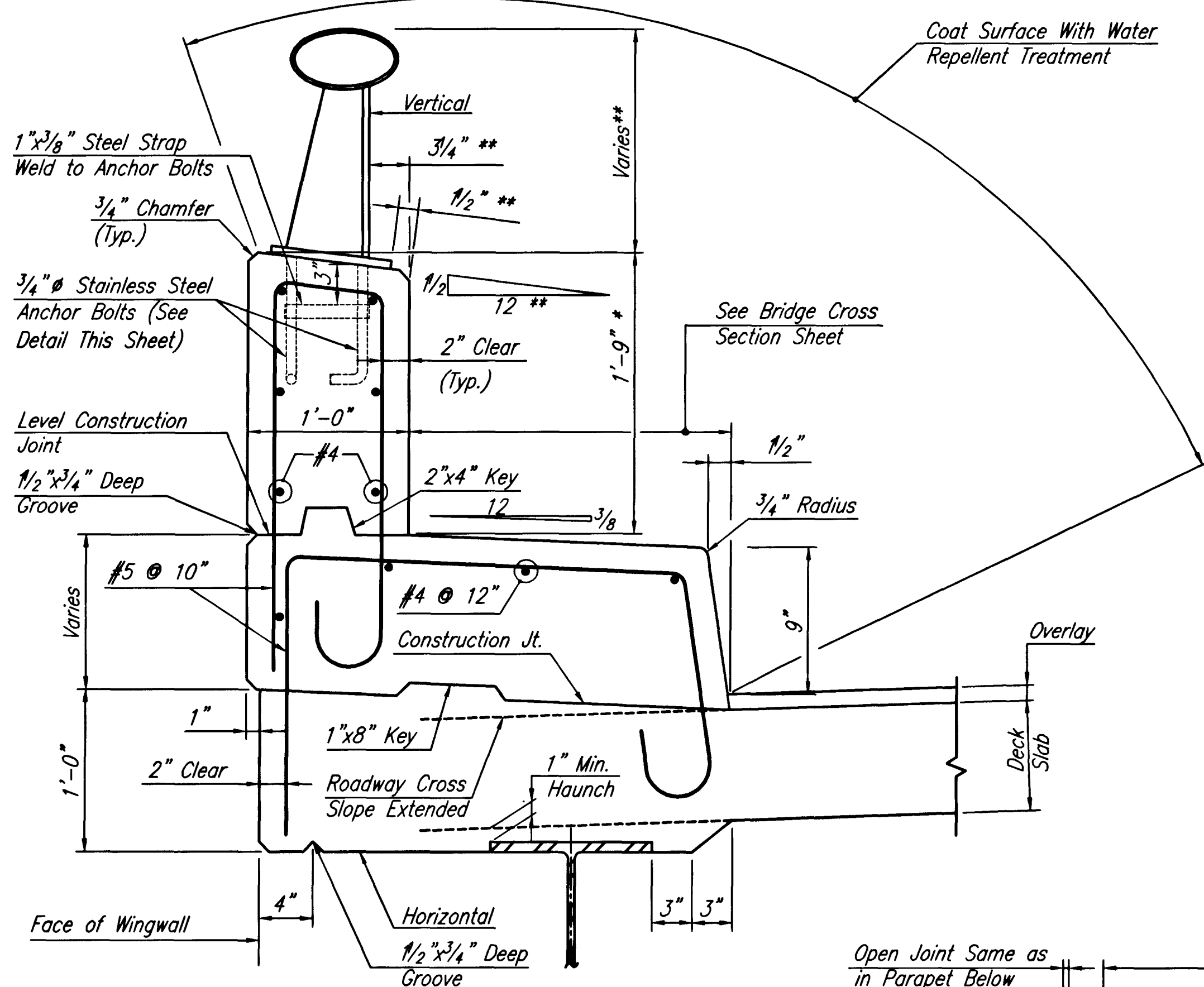
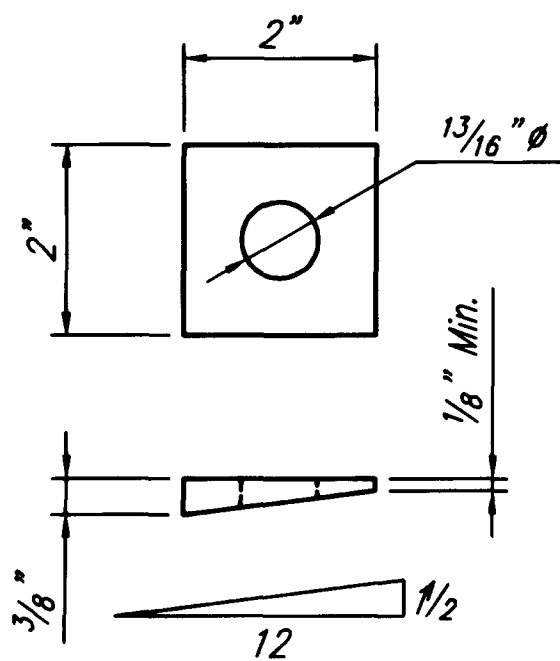
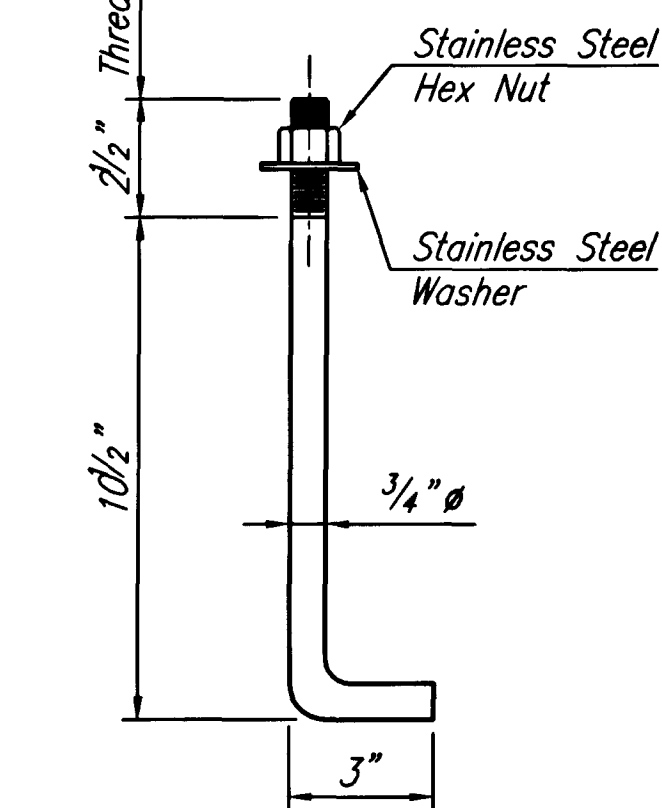




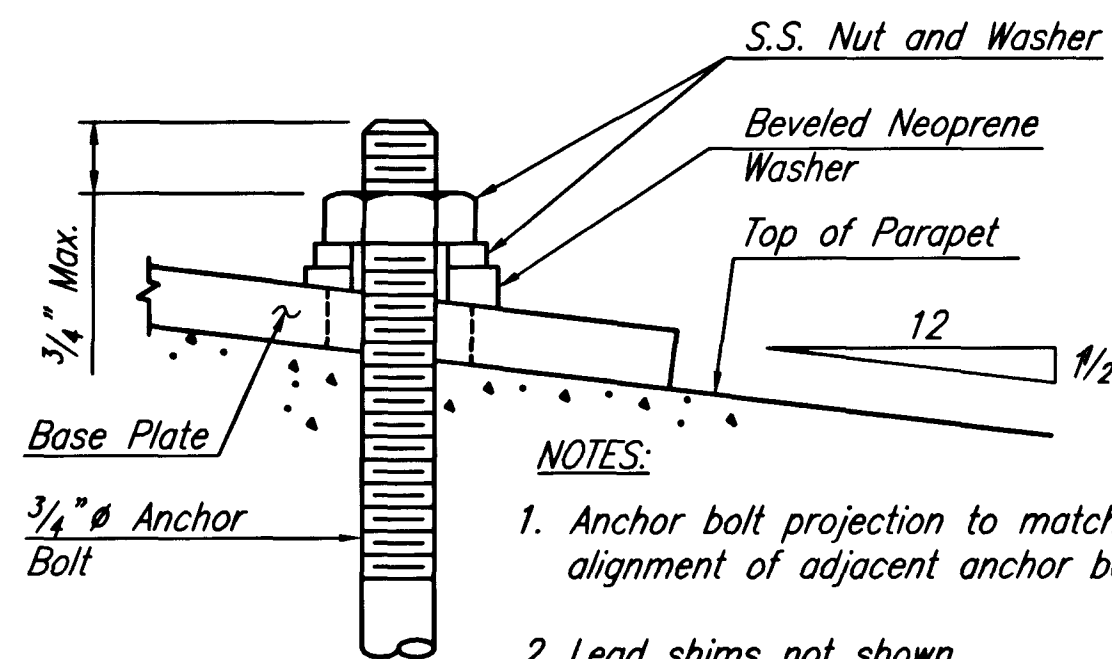
TYPICAL SECTION
1/2" = 1'-0"



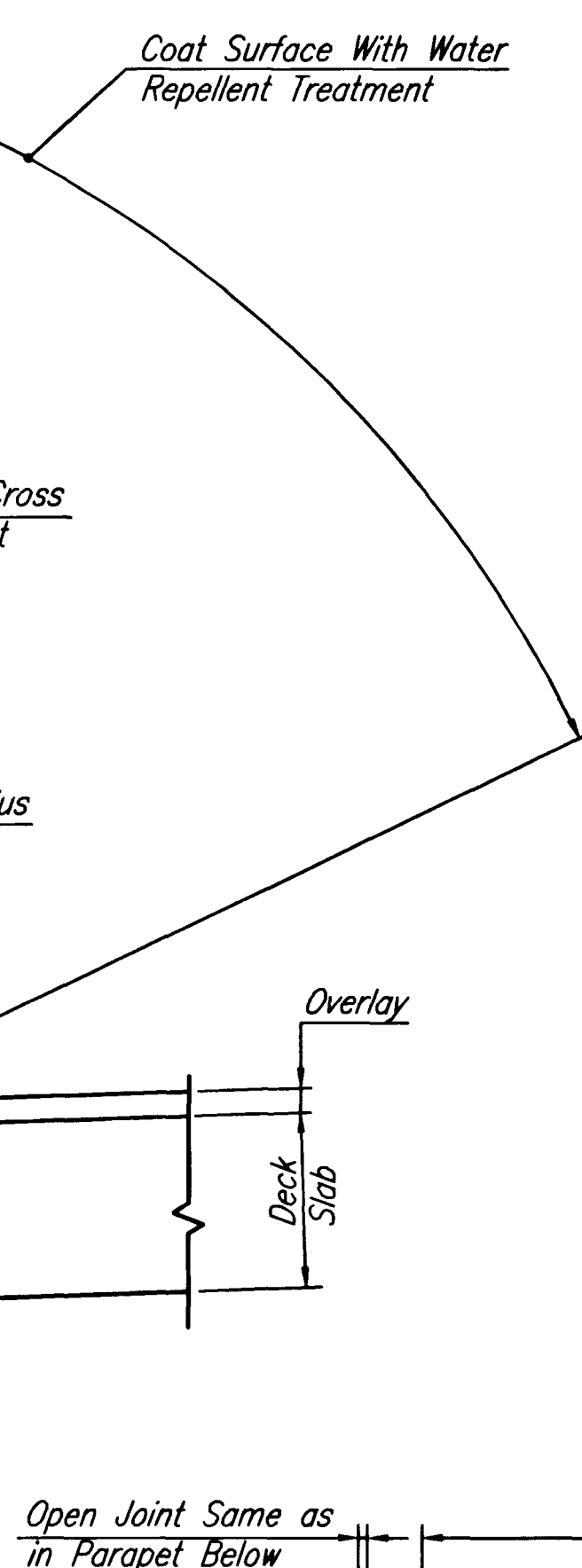
NEOPRENE BEVELED WASHER



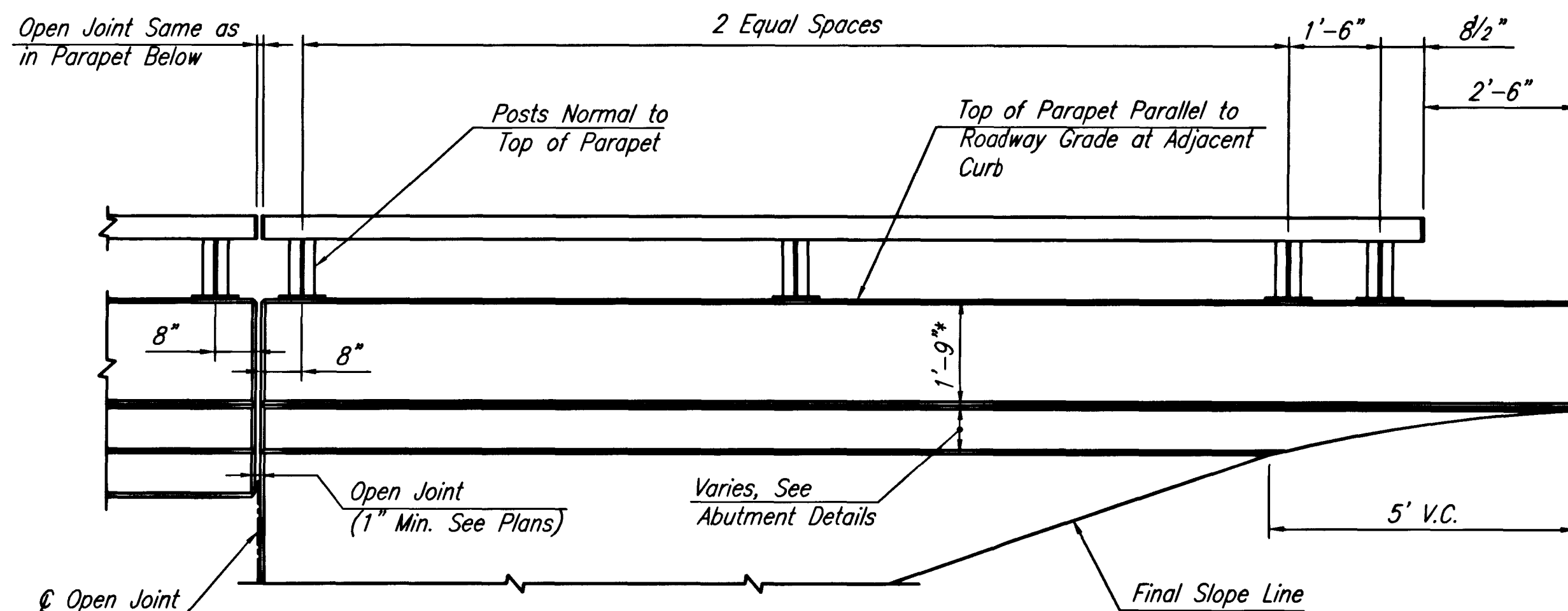
HANDRAIL POST ANCHOR BOLT DETAIL
3" = 1'-0"



NEOPRENE WASHER INSTALLATION

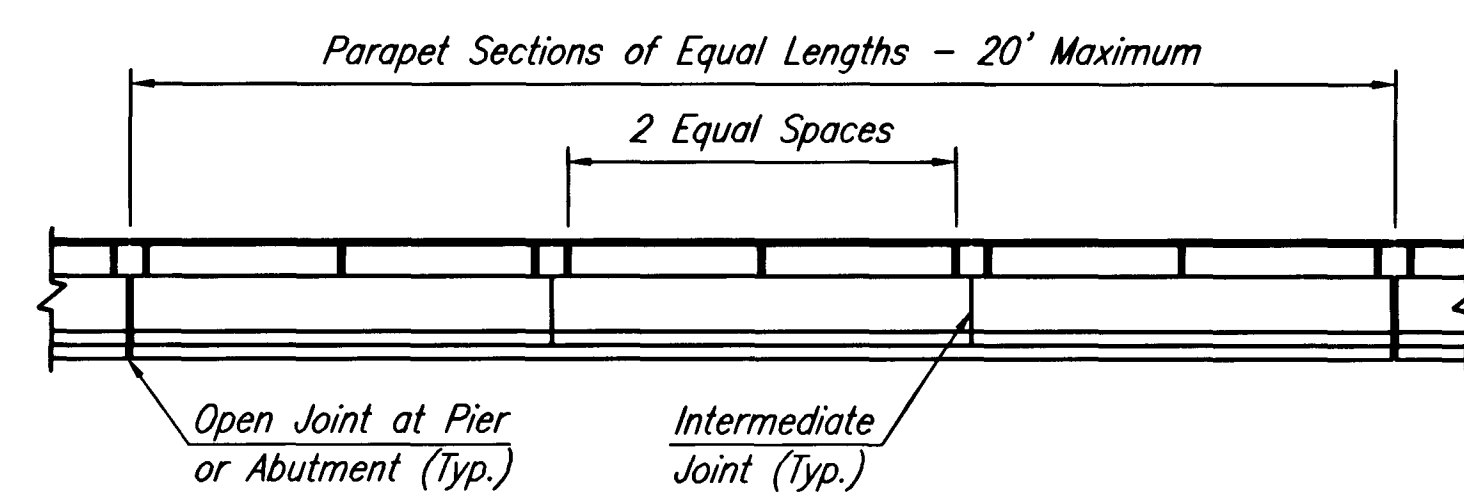


TYPICAL HANDRAIL ELEVATION
1/8" = 1'-0"

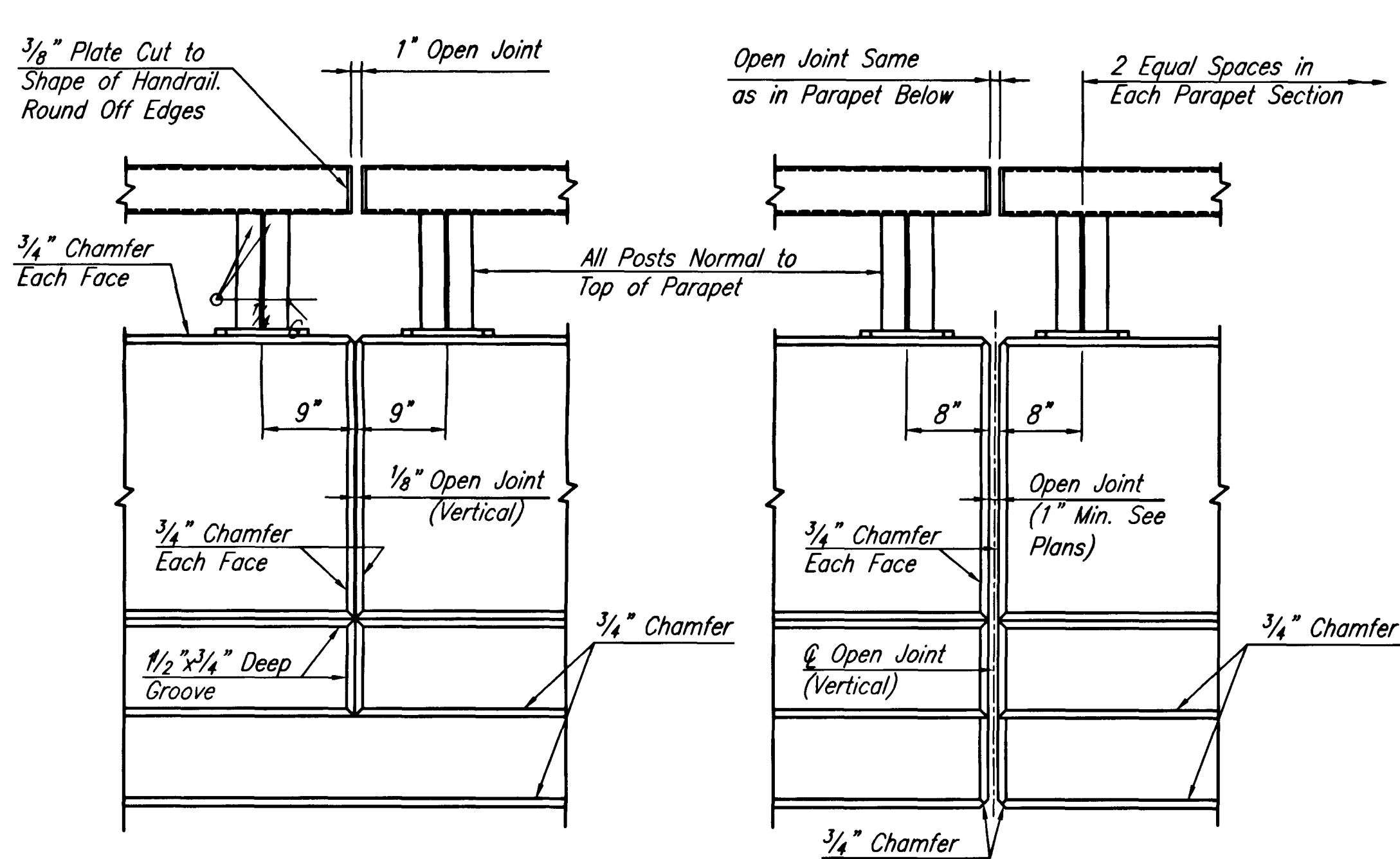


ELEVATION - TYPICAL ABUTMENT WINGWALL
1/2" = 1'-0"

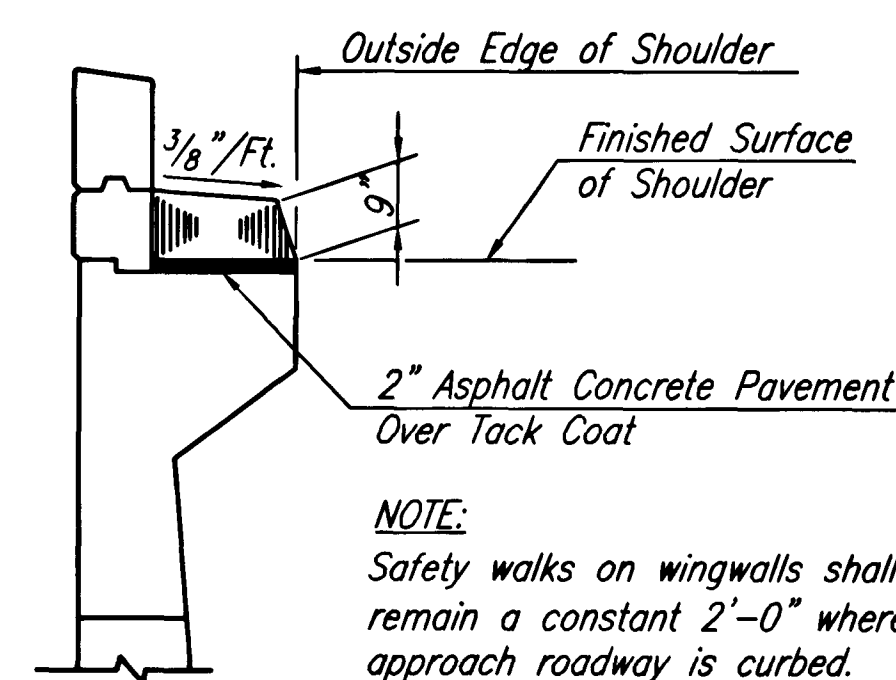
* Unless governed by local conditions. See bridge cross section sheet.



PLAN - TYPICAL ABUTMENT WINGWALL
1/4" = 1'-0"

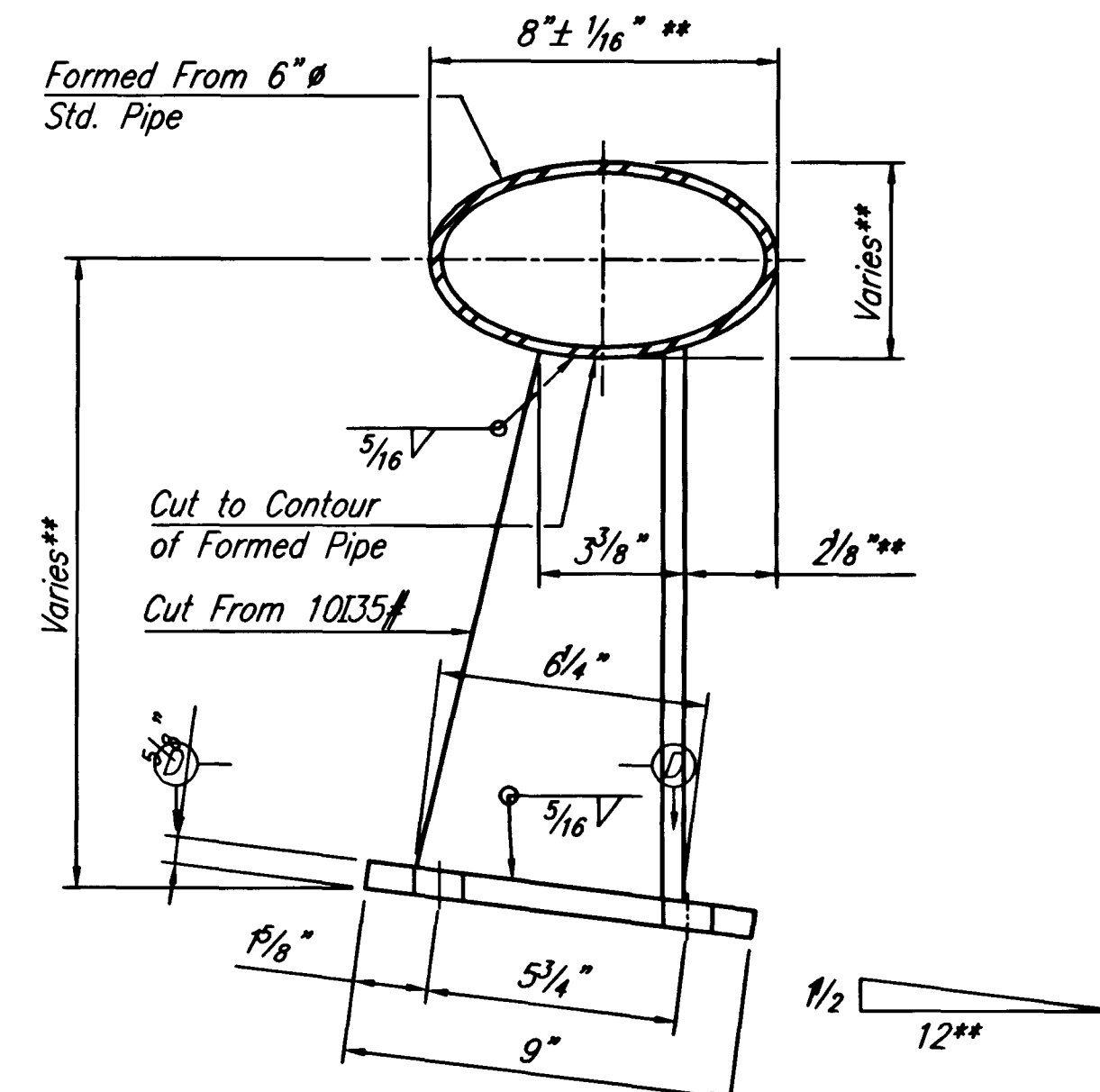


INTERMEDIATE JOINT
OPEN JOINT AT PIERS
HANDRAIL, PARAPET & SAFETY WALK DETAILS
1" = 1'-0"



SECTION E-E
3/8" = 1'-0"

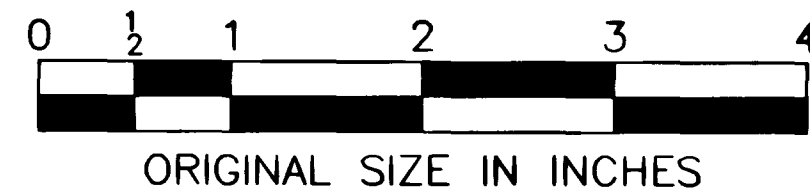
THIS DRAWING FOR REFERENCE ONLY
PARAPETS FOR NEW CONSTRUCTION SHALL
CONFORM TO NITA STANDARD DRAWING BR-7



SECTION D-D
POST DETAILS

**** NOTE:**
Dimensions of rail and posts as shown are for reference only.
Rail and post dimensions for new rail and posts shall match the
dimensions of adjacent existing rail and posts at each location
to provide similar height and alignment of rails.

- NOTES:**
1. All reinforcement steel in walkways and parapets on bridges, wingwalls and retaining walls shall be epoxy coated.
 2. All open joints in parapet shall be vertical.
 3. After final tightening of railing anchor bolt nuts, threads shall be upset to prevent loosening of nuts.
 4. Lead shims shall be used as necessary to adjust posts vertically. The shims, when placed, shall project 1/8" from base plates.



NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE

PARAPETS AND HANDRAIL

OFFICE OF THE CHIEF ENGINEER
WOODBIDGE, NEW JERSEY

1987 STANDARD
DRAWING
BR-4

3	2/05	NOTE ADDED
2	5/88	MINOR REVISIONS
1	9/87	MAJOR REVISIONS
3/87		REISSUED; CONFORM TO 1987 SPECS.
App. No.	DATE	REVISION