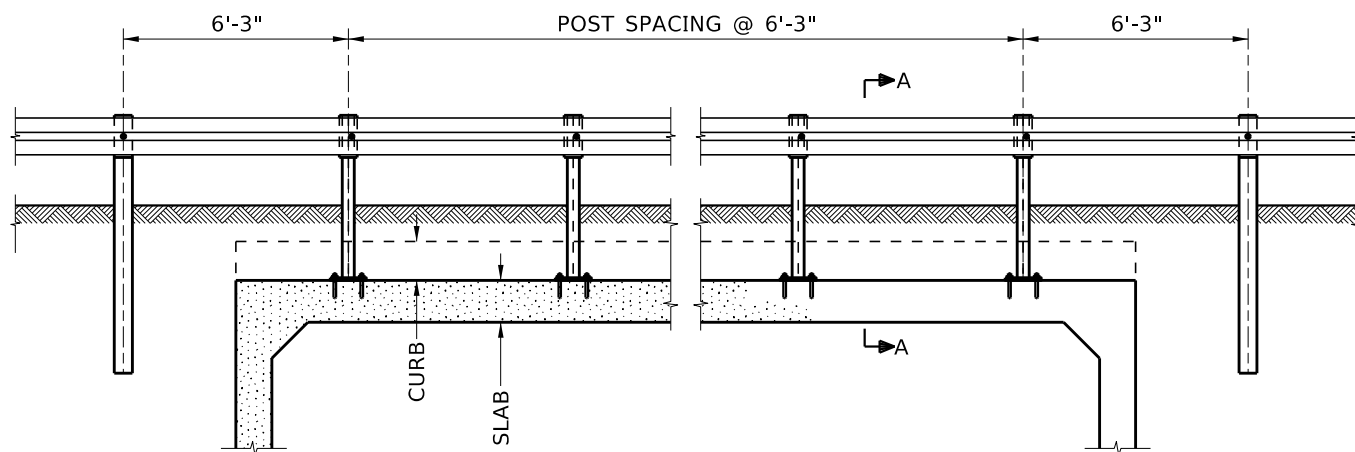


GUARDRAIL PLAN

3/16" = 1'-0"



GUARDRAIL ELEVATION

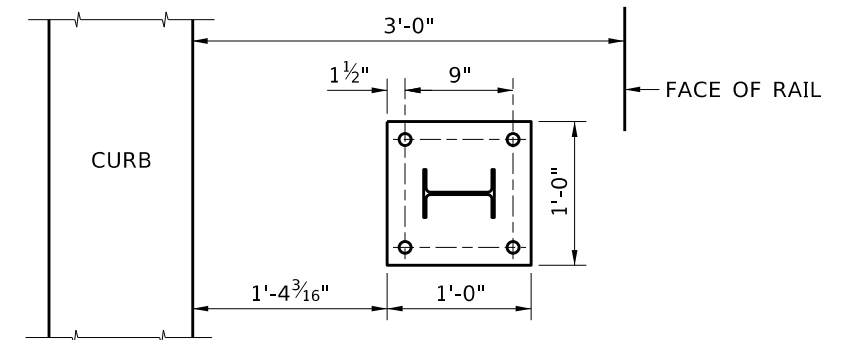
3/16" = 1'-0"

GENERAL NOTES

1. PROVIDE STEEL POST AND PLATES IN ACCORDANCE WITH ASTM A709 GRADE 36.
2. PROVIDE WOOD SPACER BLOCKS IN ACCORDANCE WITH 710.03.
3. PROVIDE ANCHOR BOLTS IN ACCORDANCE WITH ASTM A193, GRADE B7, WITH A MINIMUM YIELD STRENGTH OF 105 KSI. PROVIDE EPOXY ANCHORING SYSTEM IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. GALVANIZE GUARDRAIL POSTS, HARDWARE AND ACCESSORIES AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 OR ASTM A153 EXCEPT AS OTHERWISE NOTED.
5. WELD IN ACCORDANCE WITH AASHTO/AWS D1.5 STANDARD SPECIFICATIONS FOR WELDING OF STRUCTURAL STEEL HIGHWAY BRIDGES.
6. PROVIDE 3 COPIES OF CERTIFIED MILL TEST REPORTS COVERING RAIL MATERIAL, POSTS, ANCHOR BOLTS AND OTHER MATERIAL AS REQUESTED.
7. SET RAIL POSTS PLUMB.
8. SEE ROADWAY PAY ITEM 612-005A FOR GUARD RAIL, RAILS, POSTS WITH ATTACHMENTS, AND ANCHORAGES AS SHOWN ON THE PLANS.
9. SEE ROADWAY STANDARD DRAWING 612-1 FOR HOLE LOCATIONS IN POST.
10. SEE ROADWAY STANDARD DRAWING 612-1, NOTE 10 FOR USE OF POLYETHYLENE BLOCKOUTS.

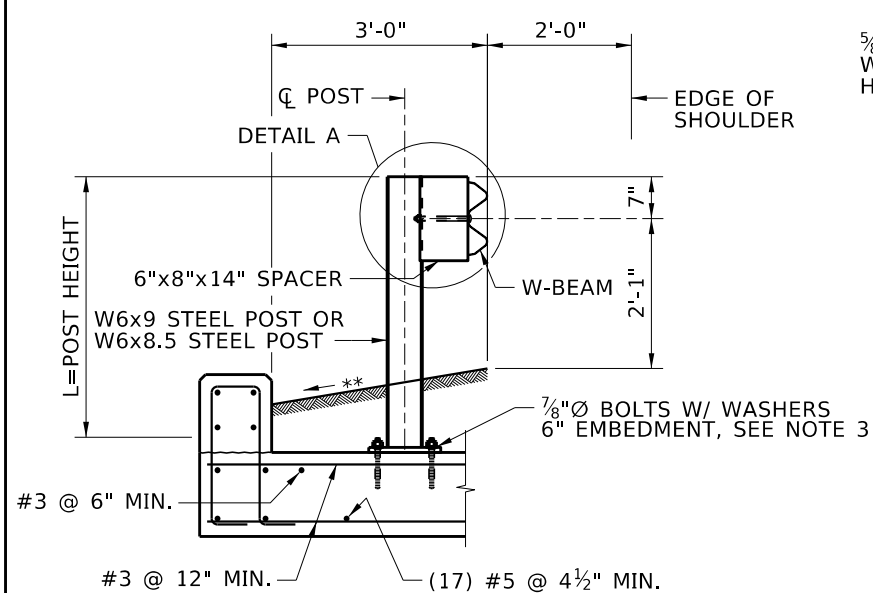
POST HEIGHT	1ST POST	2ND POST	3RD POST	4TH POST
LEFT SIDE*				
RIGHT SIDE*				

POST HEIGHT
* LOOKING AHEAD ON STATION



ANCHOR BOLT LOCATION

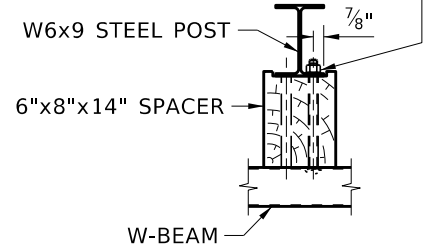
3/4" = 1'-0"



SECTION A-A

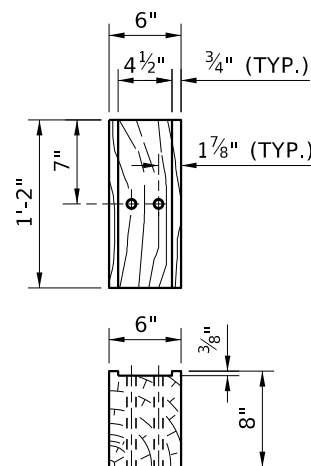
3/8" = 1'-0"

5/8" Ø x 9 1/2" BUTTON HEAD BOLT WITH STEEL WASHER & HEAVY HEX NUT ON BACK OF POST FLANGE



DETAIL A

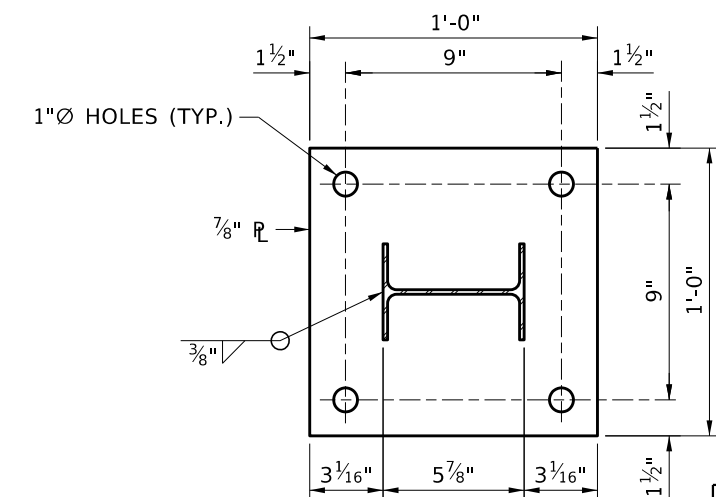
3/4" = 1'-0"



WOOD BLOCKOUT

SEE NOTE 11

3/4" = 1'-0"



BASE PLATE

1 1/2" = 1'-0"

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
Standards/Bridge Standard Drawings
B13_6B.DGN.dgn
DRAWING DATE:
OCT 2023

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

APPROVED BY: BRIDGE ENGINEER **MICHAEL T. JOHNSON** DATE: _____

ENGLISH
PROJECT NO.

W-BEAM RAILING, ADHESIVE ANCHORAGE

FOR RAIL RETROFIT PROJECTS, USE STD. DWG. 612-1 DETAILS

BRIDGE LRFD DESIGN MANUAL, B13.6B

BRIDGE PLANS	
BRIDGE KEY NO.	
COUNTY	KEY NO.
BRIDGE DWG. NO.	SHEET OF