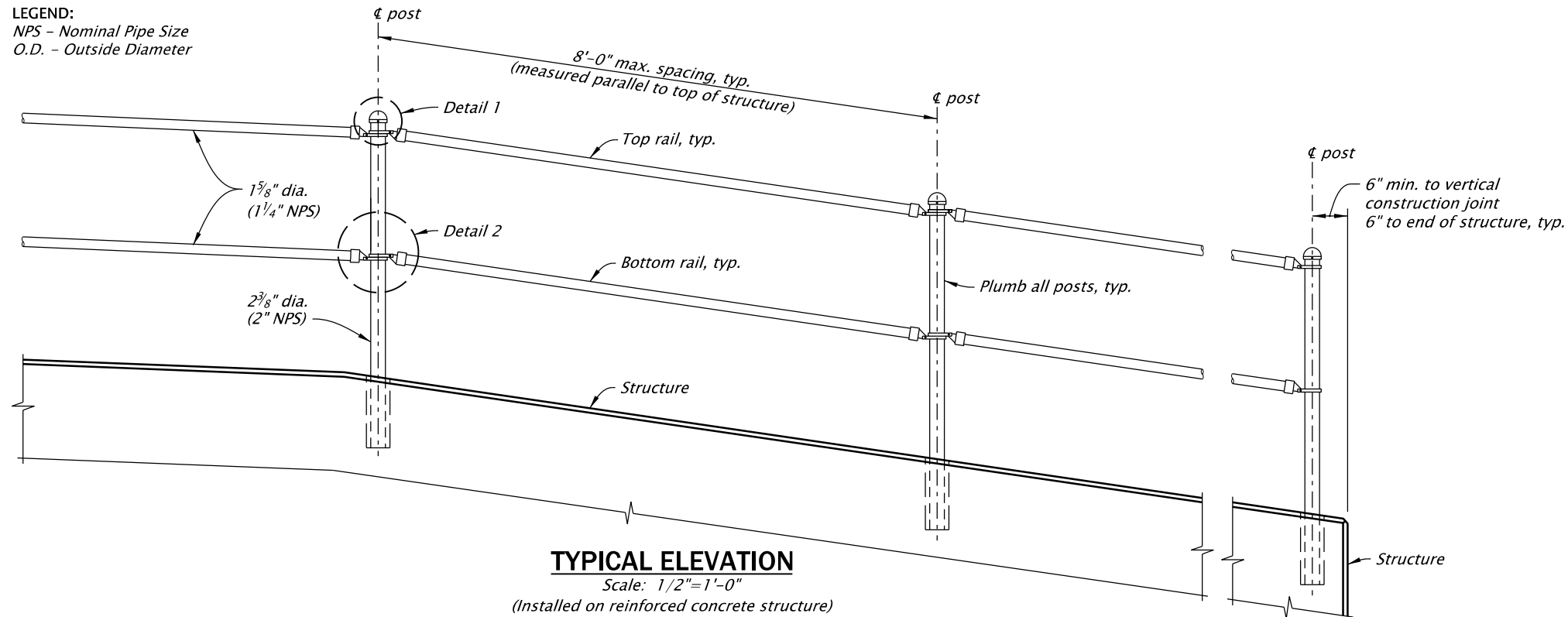
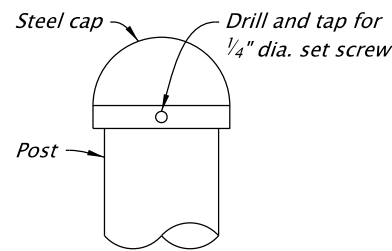


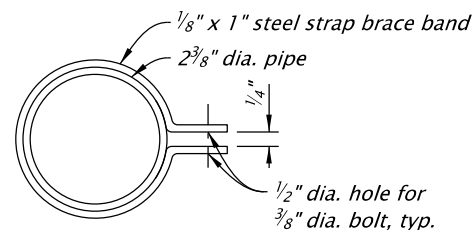
LEGEND:
NPS – Nominal Pipe Size
O.D. – Outside Diameter



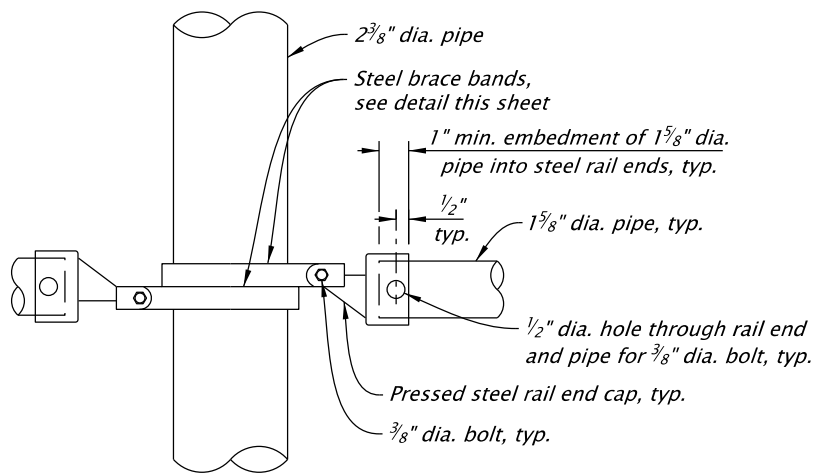
TYPICAL ELEVATION
Scale: 1/2"=1'-0"
(Installed on reinforced concrete structure)



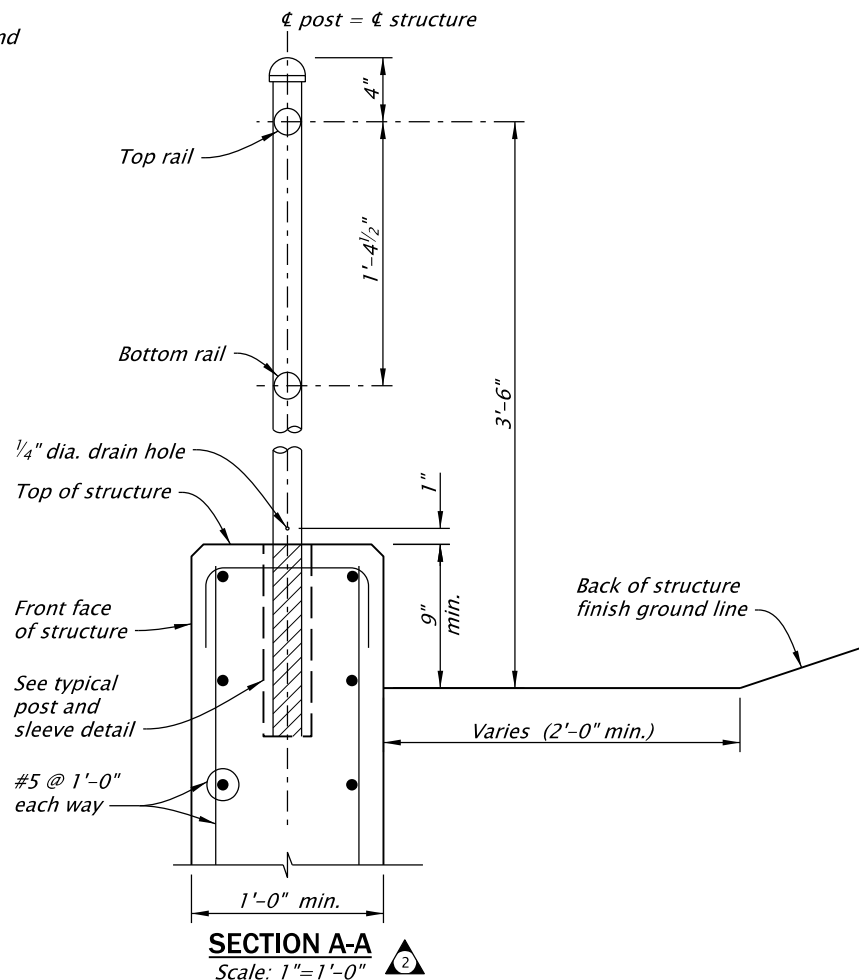
DETAIL 1
Scale: 3"=1'-0"



BRACE BAND
Scale: 3"=1'-0"



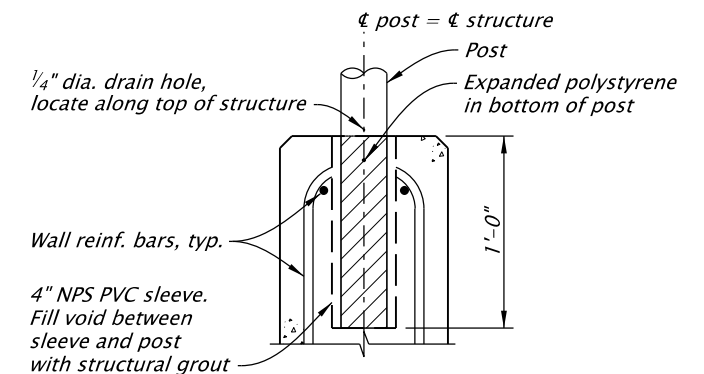
DETAIL 2
Scale: 3"=1'-0"



SECTION A-A
Scale: 1"=1'-0"

NOTES:

1. This pipe rail fence meets the requirements for fall prevention in accordance with OAR 437 003 1926.502 and shall not be used for pedestrian applications.
2. All posts to be installed vertical and rail to be installed parallel to top of structure.
3. Do not install posts across joints.
4. Provide schedule 40 post and rail elements according to AASHTO M181, Type 1, Grade 1, with a minimum yield strength of 50 KSI.
5. Provide pressed steel fence fittings according to ASTM F626.
6. Provide fence hardware according to ASTM A307 or approved equal.
7. Hot dip galvanize all steel parts in accordance with AASHTO M111, M232 or ASTM F2329 after fabrication, unless noted otherwise.
8. Provide cellular molded type expanded polystyrene with a density of 1.5 (±0.25) pounds per cubic foot.
9. Provide Schedule 40 PVC pipe.
10. Provide structural grout from the QPL.
11. Place pipe rail fence outside roadway design clear zone, or shielded by a traffic barrier and placed outside the deflection distance of the traffic barrier. For traffic barrier having no deflection distance, the fence shall be placed a minimum horizontal distance of 3'-6" as measured from the top front face of the barrier.



NOTE:
Steel sleeve may be omitted if hole is cored.
Cored holes shall be 3" in diameter and walls roughened.
It is structurally acceptable to core through top transverse ties.

TYPICAL POST AND SLEEVE DETAIL
Scale: 1"=1'-0"

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
PIPE RAIL FENCE			
SHEET 1 OF 2			
2024			
DATE	REVISION DESCRIPTION		
07-2025	NEW DRAWING		
01-2026	Minor revision to Section A-A (fence rail dimension)		
CALC. BOOK NO.	N/A	SDR DATE	13-JAN-2026
BR192			