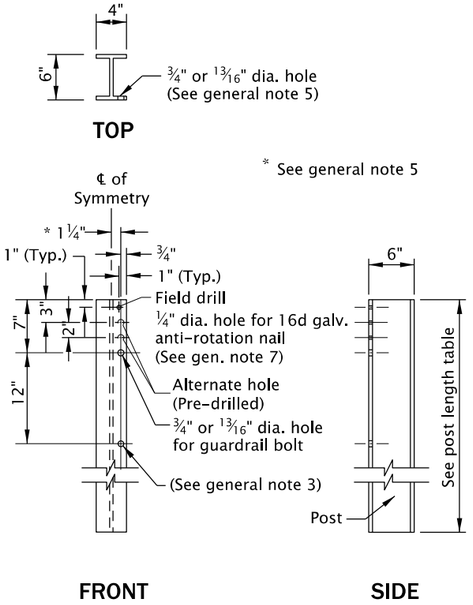
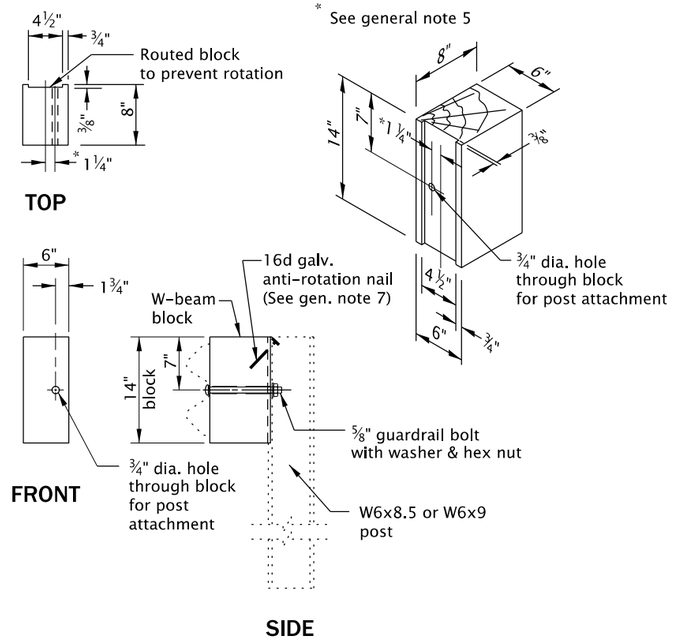


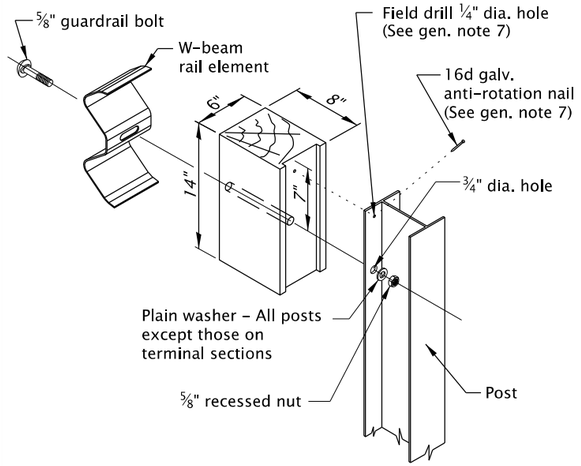
W-BEAM STEEL POST

(W6x8.5 or W6x9)



W-BEAM WOOD BLOCK FOR STEEL POST

(6x8 wood block shown)



W-BEAM ASSEMBLY DETAIL

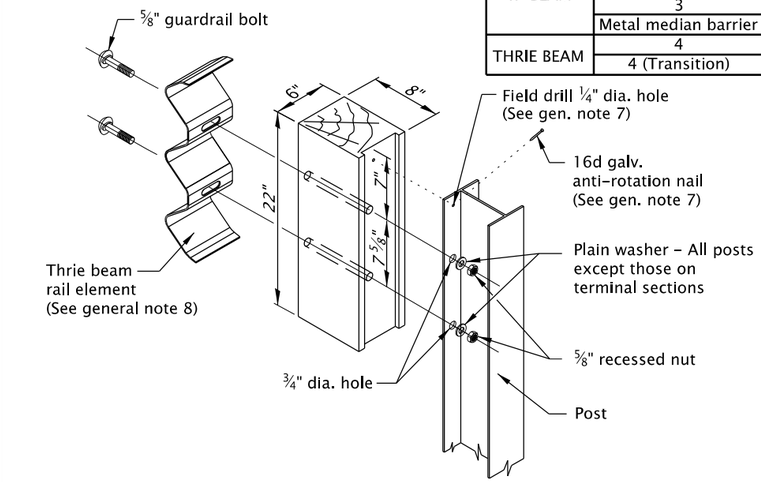
(W6x8.5 steel post and 6x8 wood block shown)

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. See appropriate guardrail standard drawing(s) for details not shown.
2. See Bridge Dwgs. for bridge transition guardrail post and block requirements.
3. Lowest hole(s) required only when channel rail is to be installed. Drill 12" below top ¾" hole(s) used.
4. Dimensions shown are for nominal posts and blocks.
5. Steel posts are shifted to accommodate bolt holes. Holes may be on left, right, or both sides of web. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
6. Wood routed blocks shown. Blocks of an approved alternate material may be used. See ODOT's QPL.
7. Blocks shall be routed when steel posts are used to prevent rotation. Or, anti-rotation holes and 16d galvanized nails shall be used instead of routing the blocks.
8. When required by the plans, nested thrie beam steel post shall be W6x9 and a maximum of 3'-1½" on center.

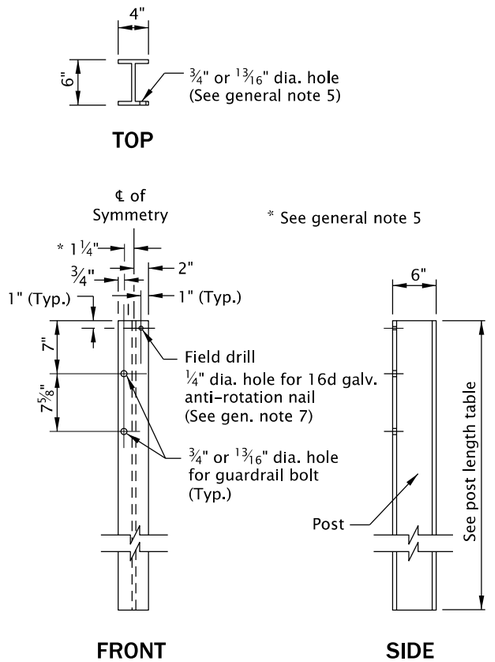
GUARDRAIL STEEL POST TABLE

	GUARDRAIL TYPE	POST SIZE	POST LENGTH	POST SPACING
W-BEAM	2A	W6x9 or W6x8.5	6'-6" or 6'-0"	6'-3"
	3	W6x9 or W6x8.5	6'-6"	3'-1½"
	Metal median barrier	W6x9 or W6x8.5	6'-6"	6'-3"
THRIE BEAM	4	W6x9 or W6x8.5	7'-0"	6'-3"
	4 (Transition)	W6x9	6'-9"	3'-1½"



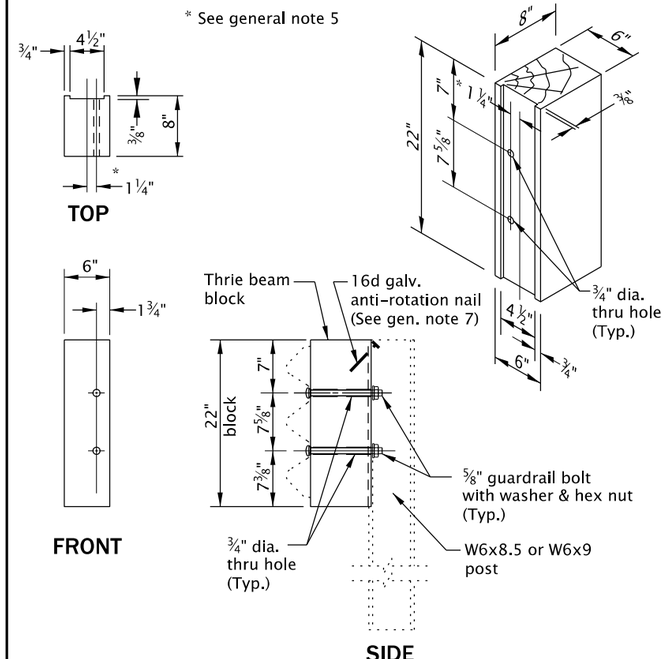
THRIE BEAM ASSEMBLY DETAIL

(W6x8.5 steel post and 6x8 wood block shown)



THRIE BEAM STEEL POST

(W6x8.5 or W6x9)



THRIE BEAM WOOD BLOCK FOR STEEL POST

(Routing not required)
(6x8 wood block shown)

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

MIDWEST GUARDRAIL SYSTEM STEEL POST AND BLOCK

2024

DATE	REVISION DESCRIPTION
07-2021	REVISED DETAILS AND NOTES

CALC. BOOK NO. N/A | SDR DATE 19-JUL-2021 | **RD404**

Effective Date: June 1, 2026 – November 30, 2026

19-JUL-2021

RD404.dgn