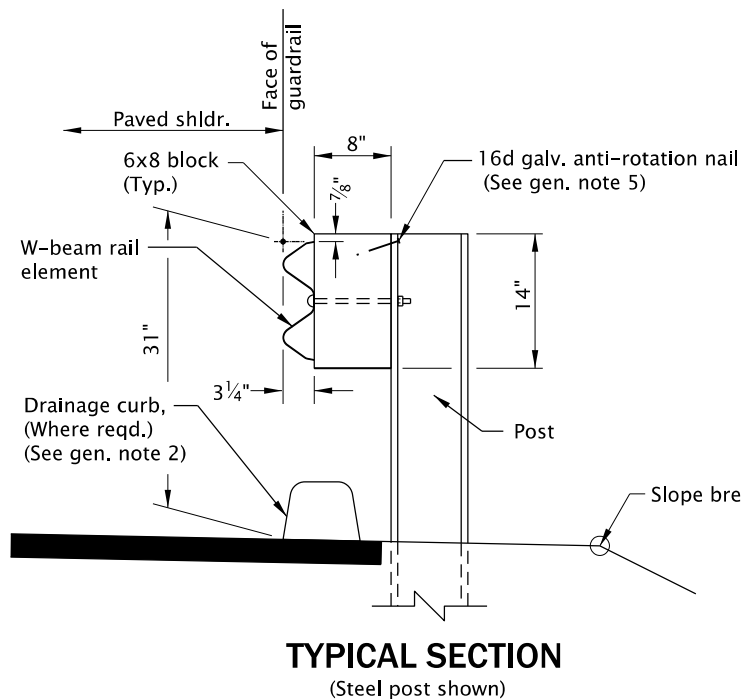
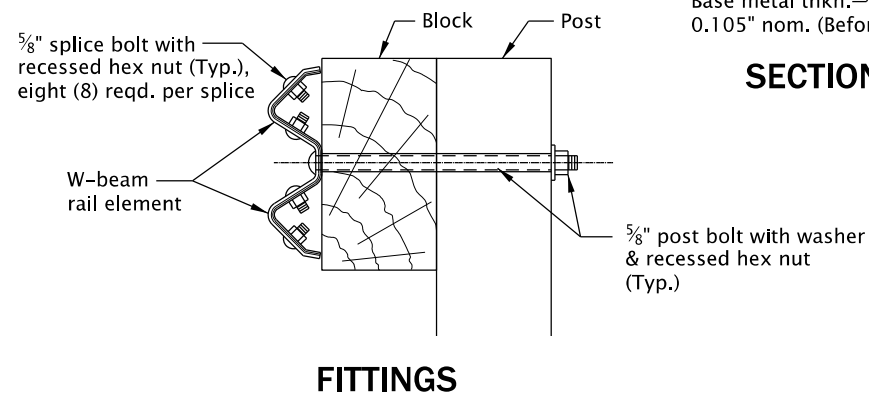
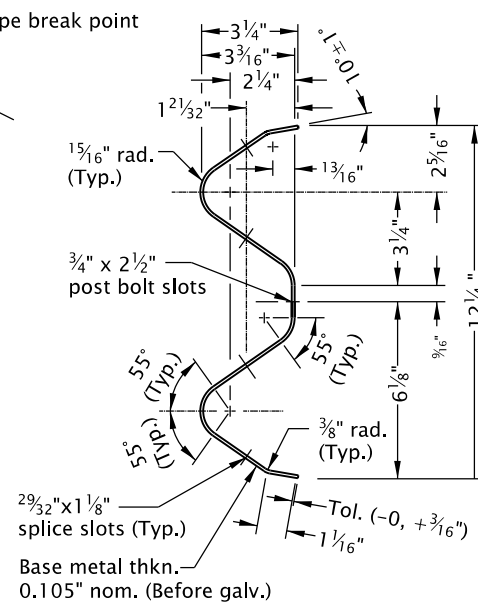




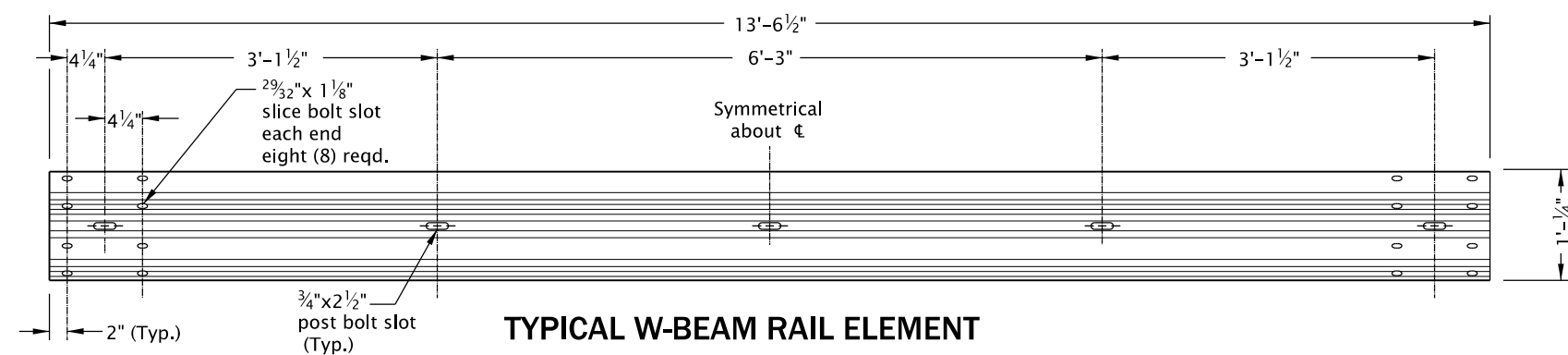
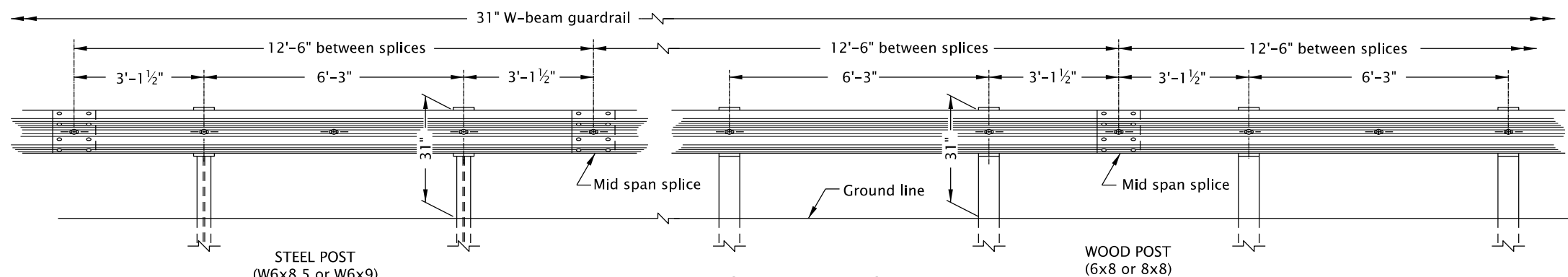
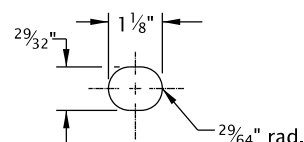
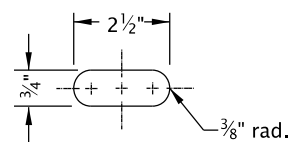
NORMAL RAIL ELEMENT DATA

Type	Effective Lengths	Thkn. (Galv.)
2A, 3	6.25', 12.5', 25'	10 ga. & 12 ga.



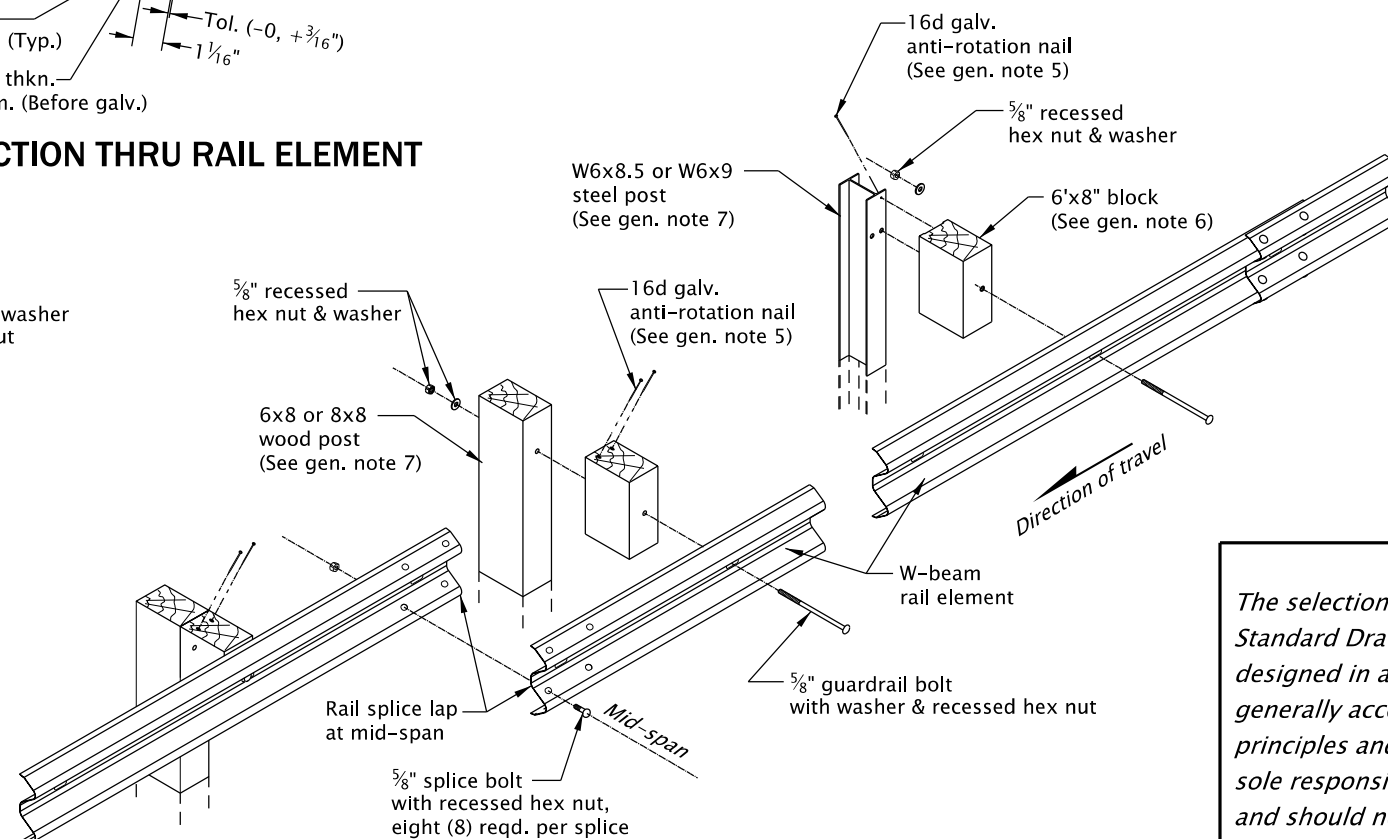
NOTES:

- When required by the plans, post bolts to extend beyond the tightened nuts within limits of $\frac{1}{4}$ " to $\frac{1}{2}$ ".
- All post bolt threads to be set after assembly for wrench removal only.



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- See appropriate guardrail standard drawing(s) for details not shown.
- When required by the plans, drainage curb alignment same as face of guardrail.
- Lap guardrail in direction of adjacent traffic.
- Final paved surfacing to extend to face of post. Rail height measured from final paved surface at face of rail to top of rail (typ. all types). 1" $\pm$ tolerance.
- Blocks shall be toe-nailed to prevent rotation when wood posts are used (see Std. Dwg. RD403). Blocks shall be rounded or toe-nailed when steel posts are used to prevent rotation (see Std. Dwg. RD404).
- Wood blocks shown. Blocks of an approved alternate material may be used. See ODOT's QPL.
- All posts for guardrail run shall be of the same type; wood or steel.
- For guardrail installed on radii of 150' or less (5' min. radius) use rail elements pre-curved to industry standard. Install "Radius Identification Plate".



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 W-BEAM

2024

DATE	REVISION	DESCRIPTION
07-2021	REVISED DETAILS AND NOTES	
CALC. BOOK NO.	N/A	SDR DATE

19-JUL-2021

RD407

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