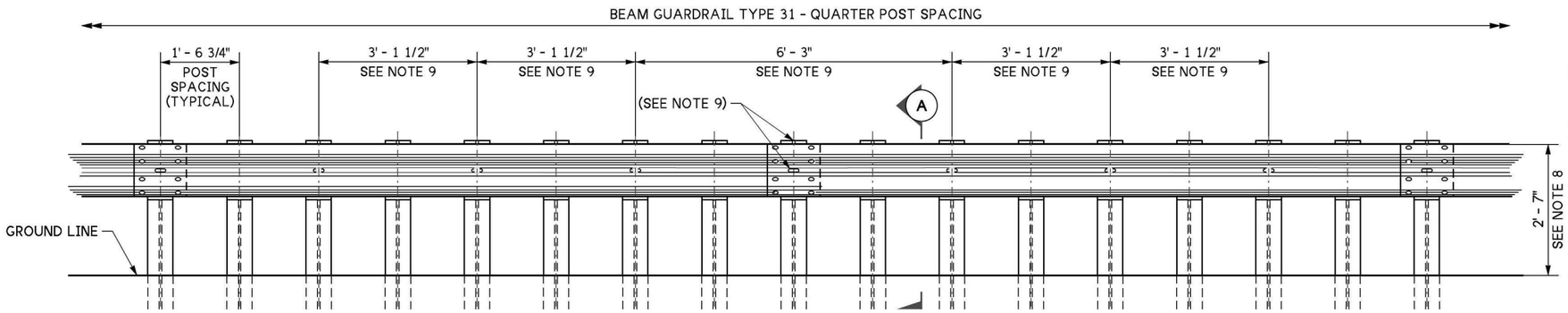
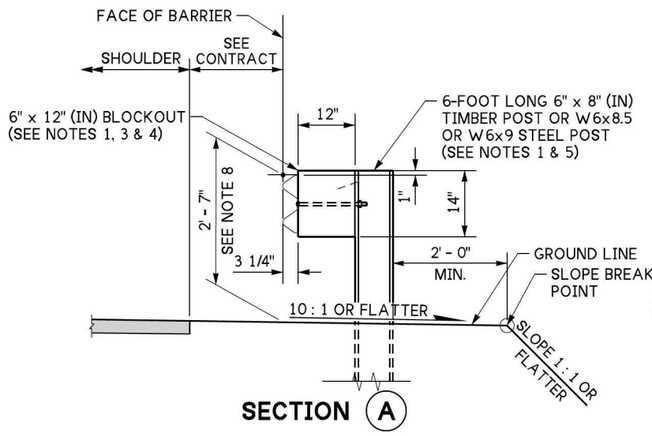
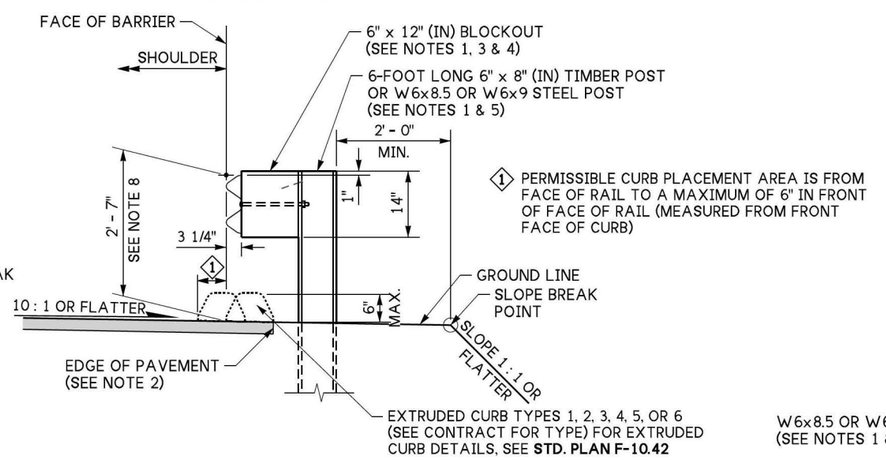


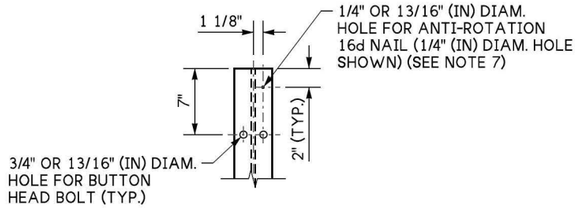
TYPICAL ELEVATION



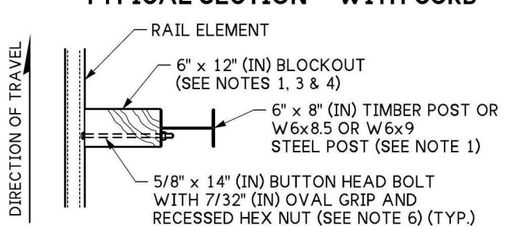
SECTION (A)



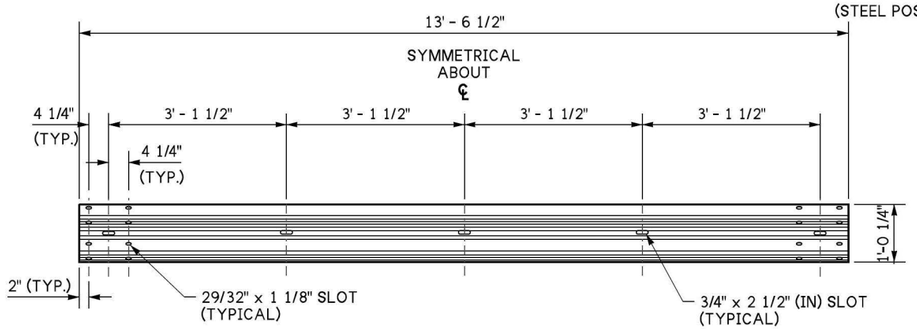
TYPICAL SECTION ~ WITH CURB



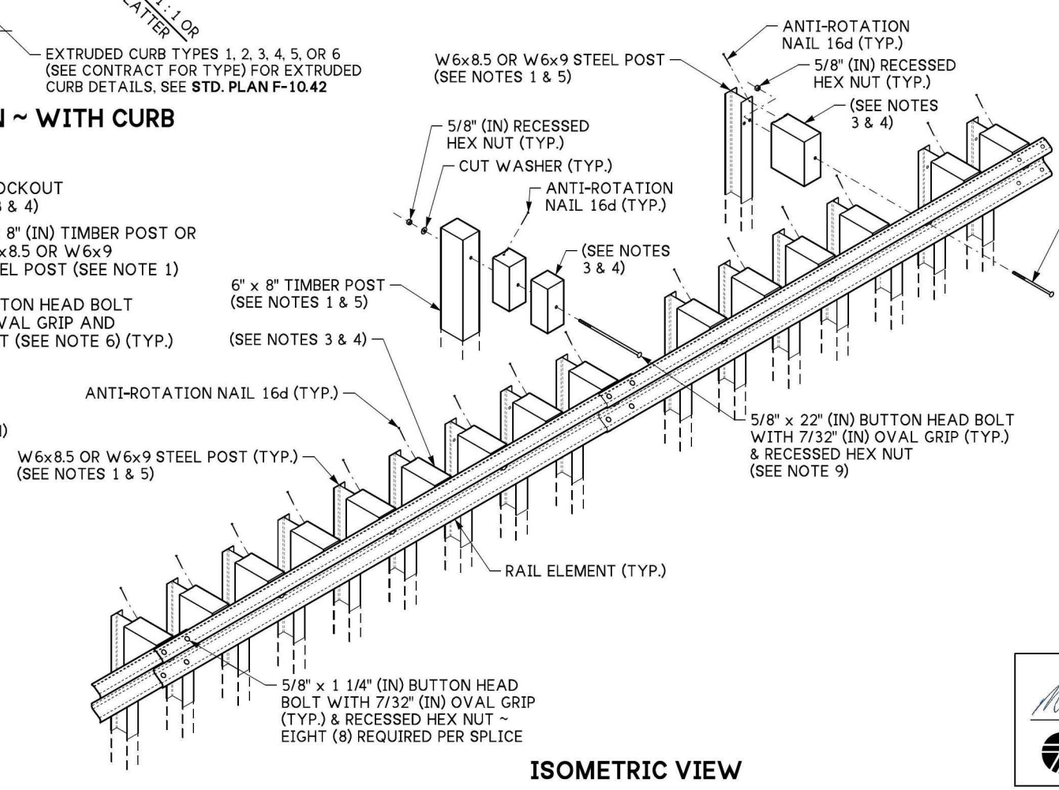
STEEL POST DETAIL



PLAN VIEW
(STEEL POST SHOWN)



TYPICAL RAIL ELEMENT



ISOMETRIC VIEW

NOTES

1. Refer to **Standard Plan C-1b** for additional details not shown on this plan.
2. Extend shoulder pavement to provide a base for the extruded curb. See Contract Plans for exceptions to distances shown.
3. Use a single block or combination of blocks (no more than two (2) to achieve the actual 12" (in) offset. See **Standard Specification Section 9-16.3(2)**. Wood blocks shall be secured to the posts with anti-rotation nails. If combination blocks are used, the adjacent blocks shall be toenailed with two 16d galvanized nails to prevent block rotation.
4. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification Section 9-16.3(2).**
5. All posts for any standard barrier run shall be of the same type; timber or steel.
6. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
7. Anti-rotation holes in steel posts are not required when using blocks with anti-rotation features (e.g., routered blocks).
8. For initial installation, construct the guardrail within ±1" (in) of the standard 31" (in) height to the top of rail element.
9. Only attach post and blockout to guardrail element at the 3/4" x 2 1/2" slot locations away from the rail splices. Do not attach post and blockout to guardrail element at rail splice locations and locations without 3/4" x 2 1/2" rail slots.

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Sep 4, 2026

BEAM GUARDRAIL TYPE 31 - QUARTER POST SPACING

STANDARD PLAN C-20.12-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
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STATE DESIGN ENGINEER
Washington State Department of Transportation