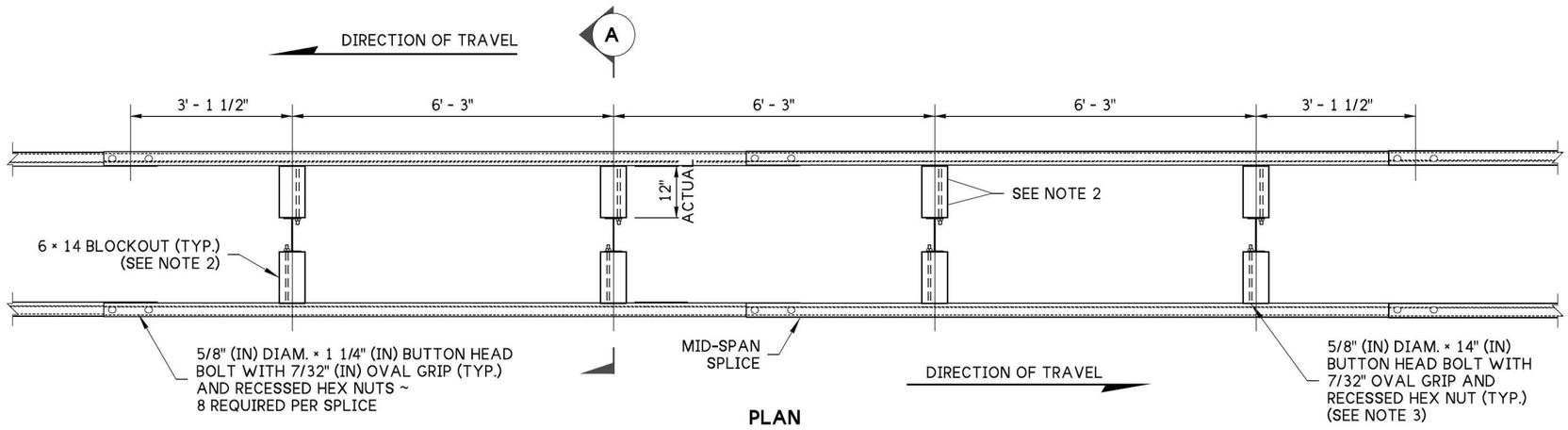
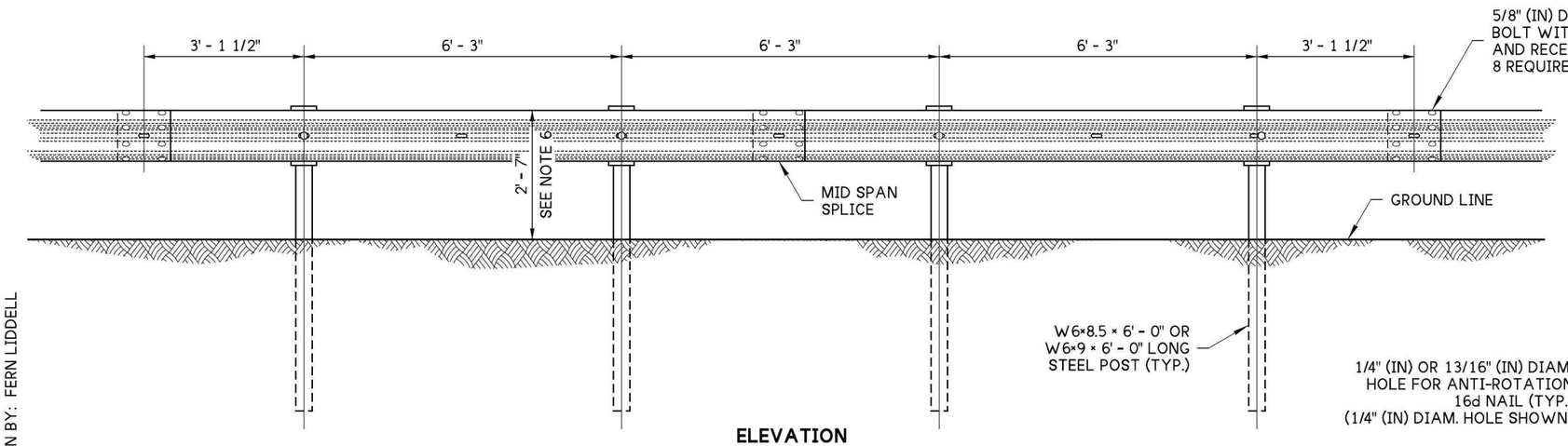
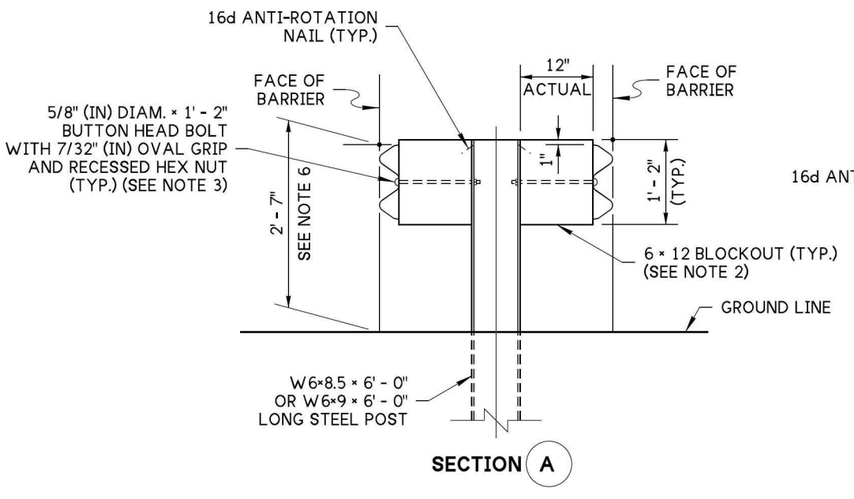


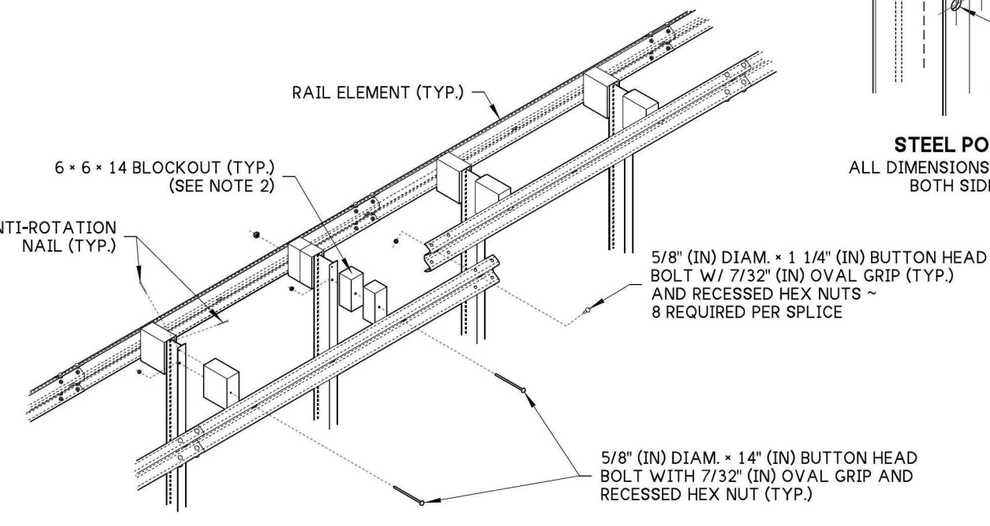
PLAN



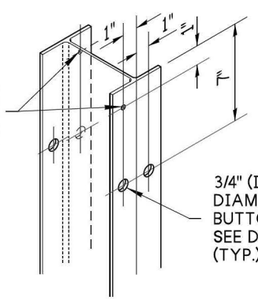
ELEVATION



SECTION A



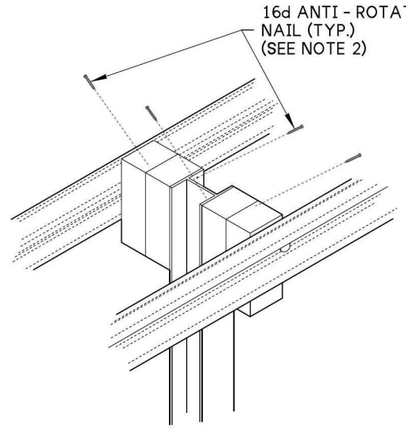
ISOMETRIC



STEEL POST
ALL DIMENSIONS TYPICAL BOTH SIDES

NOTES

1. Beam Guardrail post spacing shall be 6' - 3" on centers.
2. Use a single or combination of blockouts to achieve the actual 12" (in) offset. See **Standard Specification Section 9-16.3(2)**. Wood blockouts shall be toe-nailed to post (and blocks, if block combinations are used) with 16d galvanized nails to prevent block rotation.
3. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
4. For details not shown, see **Standard Plan C-20.10** and **C-1b**.
5. Wood blockouts shown. Blocks of alternate material may be used. See **Standard Specification Section 9-16.3(2)**.
6. For initial installation, construct the guardrail within ± 1" (in) of the standard 31" height to the top of rail element.



ANTI-ROTATION NAIL DETAIL

TIMOTHY J MOECKEL
STATE OF WASHINGTON
56294
REGISTERED
PROFESSIONAL ENGINEER

Aug 14, 2026

BEAM GUARDRAIL TYPE 31 DS (DOUBLE-SIDED) (W-BEAM) STANDARD PLAN C-20.45-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Mark A Gaines Aug 21, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation

DRAWN BY: FERN LIDDELL