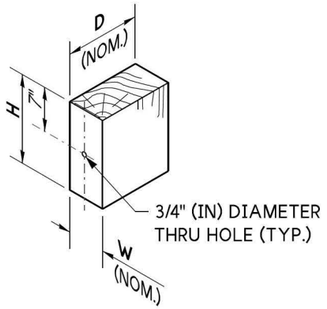
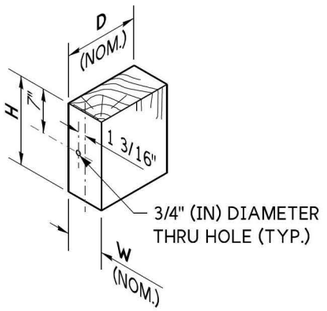
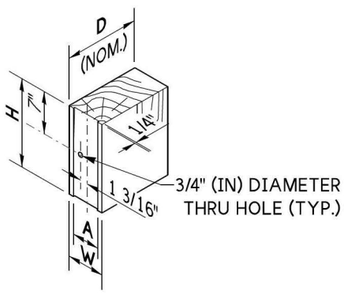


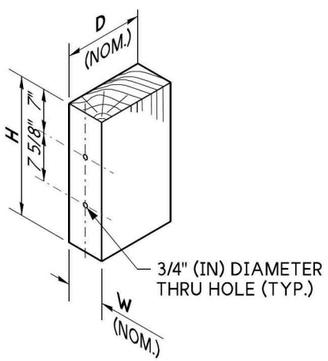
W-BEAM WOOD BLOCK FOR WOOD POST (12" DEPTH BLOCK SHOWN) (SEE NOTE 5)



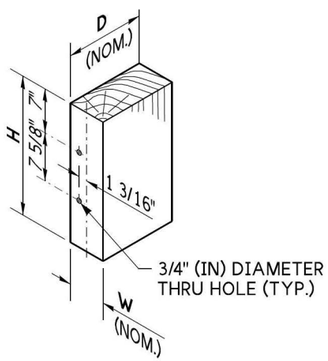
W-BEAM WOOD BLOCK FOR STEEL POST (12" DEPTH BLOCK SHOWN) (SEE NOTE 5)



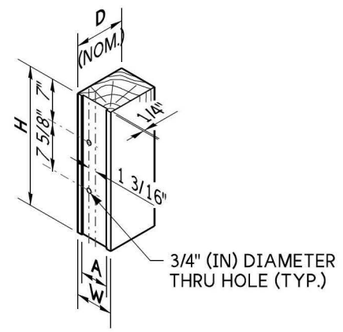
ROUTERED W-BEAM WOOD BLOCK FOR STEEL POST (12" DEPTH BLOCK SHOWN (SEE NOTE 5)



REDUCER SECTION THRIE-BEAM WOOD BLOCK FOR STEEL POST (SEE NOTE 5)



THRIE-BEAM WOOD BLOCK FOR STEEL POST (12" DEPTH BLOCK SHOWN) (SEE NOTE 5)



ROUTERED THRIE-BEAM WOOD BLOCK FOR STEEL POST (8" DEPTH BLOCK SHOWN) (SEE NOTE 5)

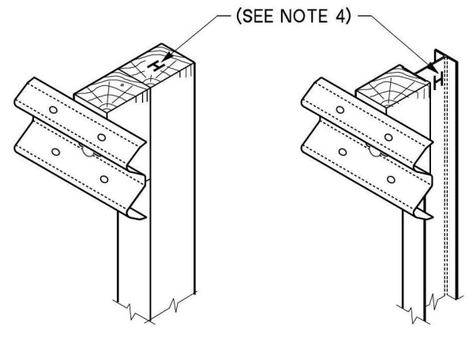
WOOD BLOCK DIMENSION TABLE				
BLOCK TYPE	H (HEIGHT)	W (WIDTH)	A	D (DEPTH)
W-BEAM	14"	6"	N/A	8" OR 12" ***
ROUTERED W-BEAM (W6x8.5, W6x9, W6x12 STEEL POST)	14"	6"	4 1/4"	8" OR 12" ***
REDUCER SECTION THRIE BEAM	19"	6"	N/A	12"
THRIE BEAM	22"	6"	N/A	8" OR 12" ***
ROUTERED THRIE BEAM (W6x8.5, W6x9, W6x12 STEEL POST)	22"	6"	4 1/4"	8" OR 12" ***
ROUTERED THRIE BEAM (W6x15 STEEL POST)	22"	8"	6 1/4"	8" OR 12" ***

*** SEE **STANDARD PLANS** FOR DEPTH OF BLOCK

POST LENGTH TABLE	
GUARDRAIL TYPE	LENGTH
TYPE 31	6' - 0"
	8' - 0" *
	9' - 0" *
	11' - 0" *
THRIE BEAM	VARIES**

* SEE CONTRACT FOR "BEAM GUARDRAIL TYPE - __ FT. LONG POST" LENGTHS (SEE NOTE 4)

** SEE STANDARD PLANS FOR THRIE BEAM POST LENGTHS

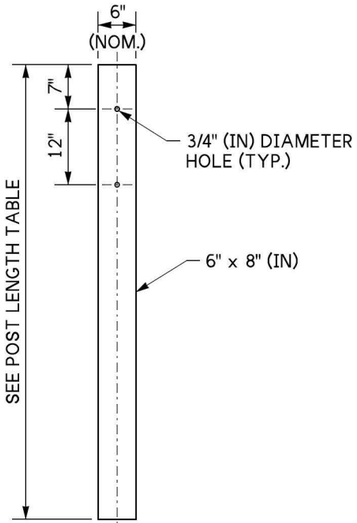


TIMBER POST **STEEL POST**

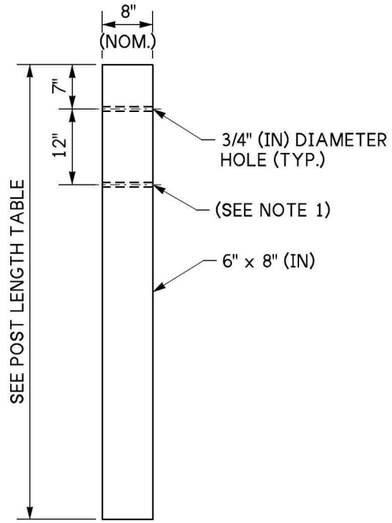
PARTIAL ASSEMBLY DETAIL

NOTES

1. Lower hole is for w-beam rub rail of Beam Guardrail Type 31 - Buried Terminal Type 2.
2. W6x8.5 or W6x9 steel posts and timber blocks are alternates for 6x8 timber posts and blocks.
3. Attach blockouts to steel posts using bolt holes on approaching traffic side of post web.
4. When "Beam Guardrail Type - _ _ Ft. Long Post" is specified in the contract, the post length shall be stamped with numbers, 1 1/2" min. high x 3/4" (in) wide at the location where the letter "H" is shown in the **ASSEMBLY DETAIL**. For wood post appli - cations, the letter shall be stamped to a minimum depth of 1/4" (in). For steel post applications, the letter shall be legible after the post is galvanized. After post installation, it shall be the Contractor's responsibility to ensure the stamped numbers remain visible.
5. Wood blocks are shown. Blocks of an approved alternative material may be used. See **Standard Specification Section 9-16.3(2)**.

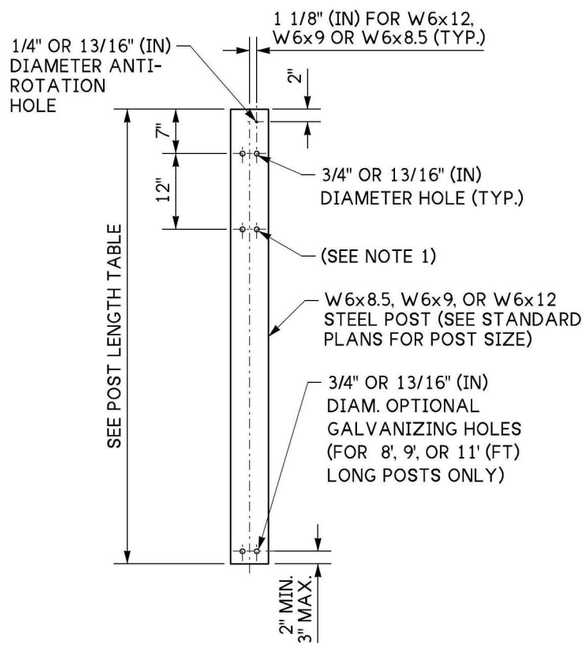


FRONT

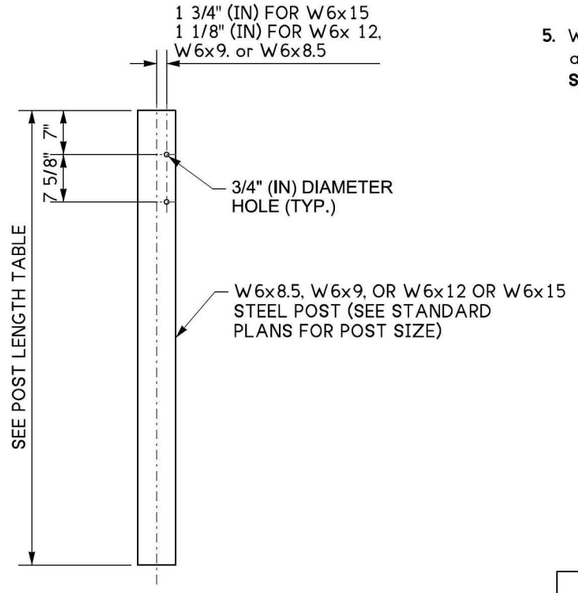


SIDE

W-BEAM (WOOD POST)



W-BEAM (STEEL POST ~ SEE NOTES 2 AND 3)



THRIE-BEAM (STEEL POST ~ SEE NOTES 2 AND 3)

TIMOTHY J MOECKEL
STATE OF WASHINGTON
56294
REGISTERED
PROFESSIONAL ENGINEER

Aug 13, 2026

BEAM GUARDRAIL POSTS AND BLOCKS

STANDARD PLAN C-1b

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Mark A Gaines Aug 13, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation