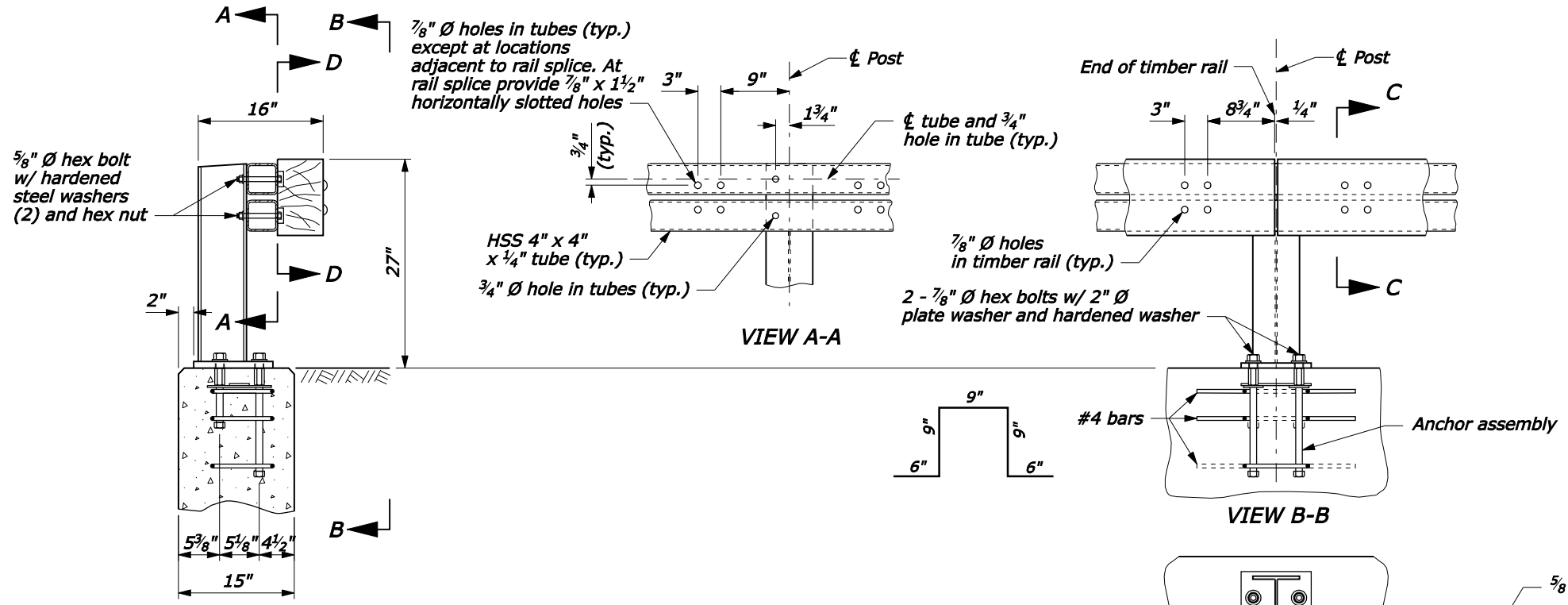


HSS 4" x 4" x 1/4" TUBES ELEVATION

BRIDGE RAIL ELEVATION

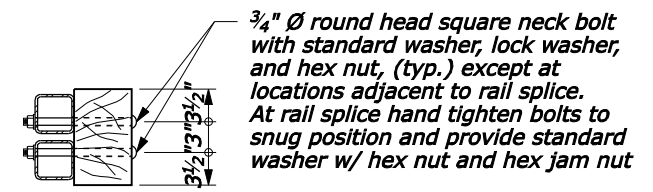
NOTE:

1. Steel for rail posts, base plates, shims, splice sleeves, and anchor assembly plates conforms to ASTM A36. Structural tubing for rails conforms to ASTM A500, Grade B. Paint all metal components of the bridge rail except post base shims, anchor assemblies, and rail splice sleeves. Galvanize post base shims, anchor assemblies, and rail splice sleeves. Hex bolts conform to AASHTO M164 (ASTM A325). Hex coupling nuts conform to ASTM A563, Grade C, D, or DH and shall have a center stop. All other fasteners conform to ASTM A307. See Special Contract Requirements for painting.
2. Shop fabricate structural steel. Submit shop drawings to the CO for approval before fabrication. Provide drawings showing rail section lengths, splice locations, rail post spacing, and fastener lengths. Welding conforms to ANSI/AASHTO/AWS D1.5. Use a certified welder. Fabricate all steel before galvanizing or painting.
3. Section lengths of HSS 4" x 4" rails shall be continuous over a minimum of three posts.
4. Provide neat cement grout consisting of a mixture of cement and water mixed to a smooth viscous paste.
5. Erect the rail parallel to grade.
6. Timber conforms to Subsection 710.08.

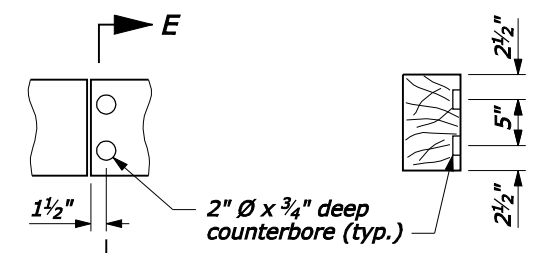


TYPICAL SECTION @ POST

PLAN VIEW @ POST



SECTION C-C



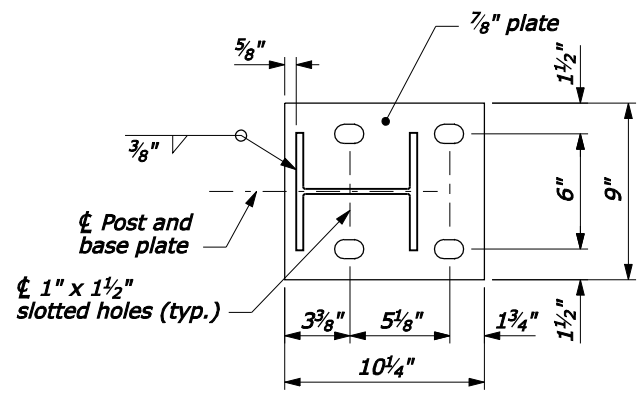
VIEW D-D

SECTION E-E

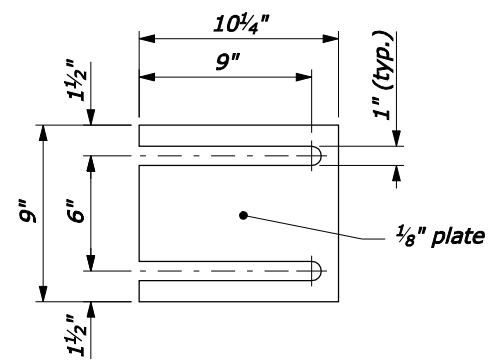
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD TUBULAR STEEL-BACKED TIMBER BRIDGE RAIL Sheet 1 of 2	
STANDARD APPROVED FOR USE --/----	STANDARD 556-1
REVISED: DRAFT: 5/2008	

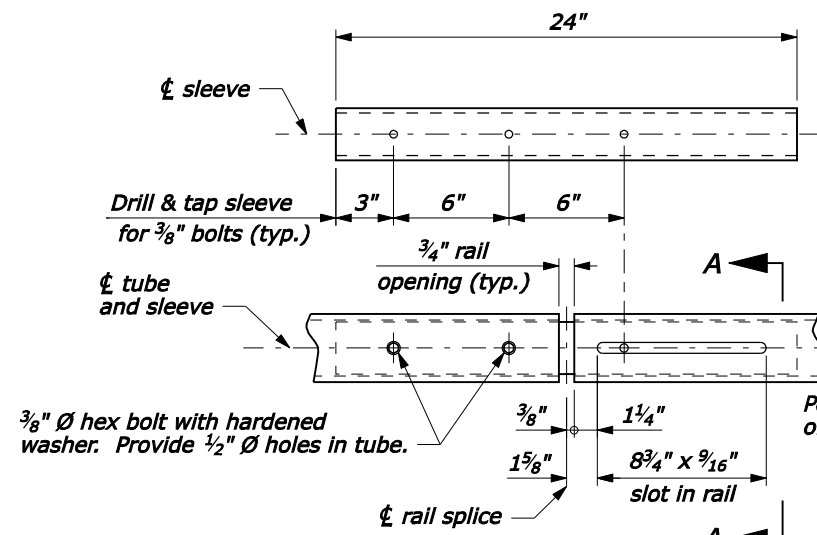
02-Jun-2008 01:12 PM
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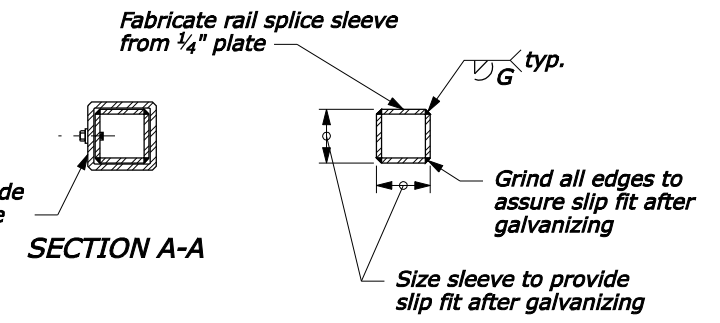
BASE PLATE DETAIL



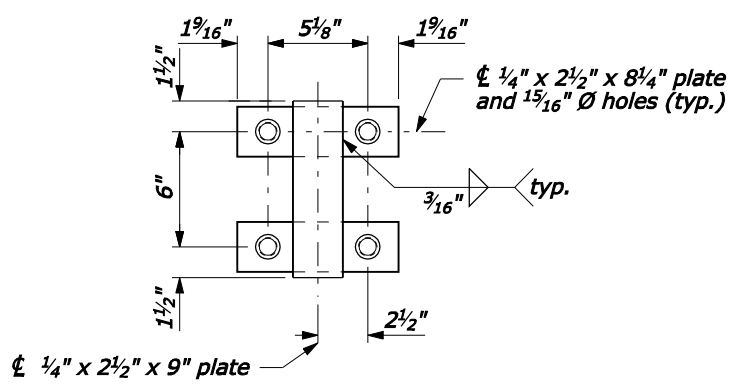
RAIL POST BASE SHIM



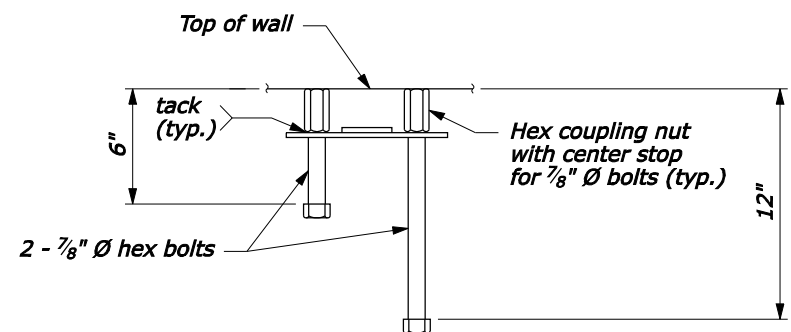
RAIL SPLICE DETAIL



SLEEVE

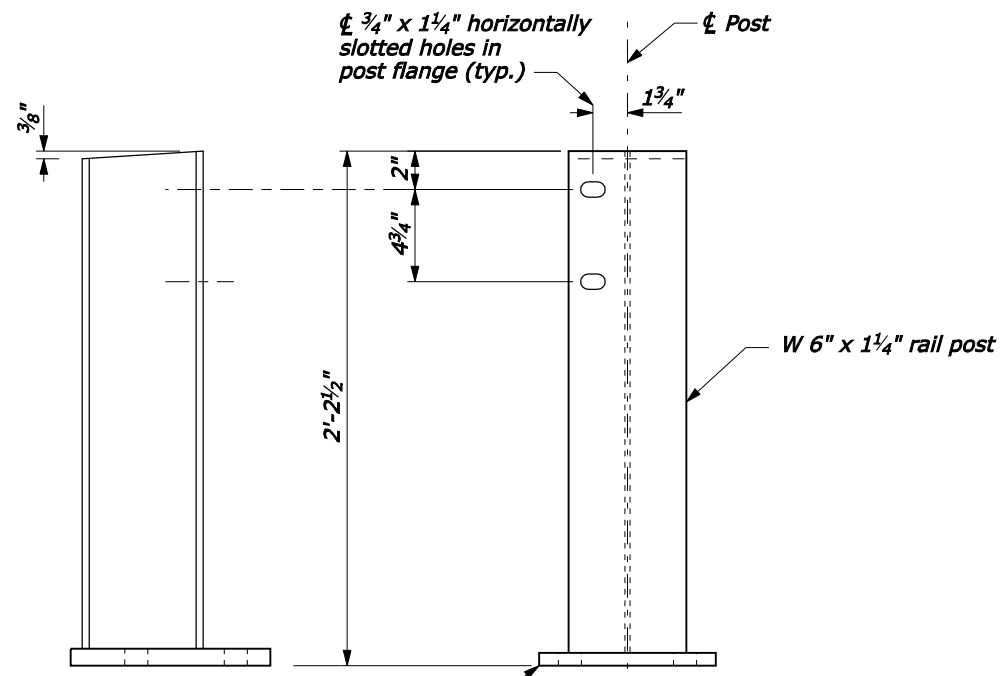


PLAN



ELEVATION

ANCHOR ASSEMBLY



POST ASSEMBLY

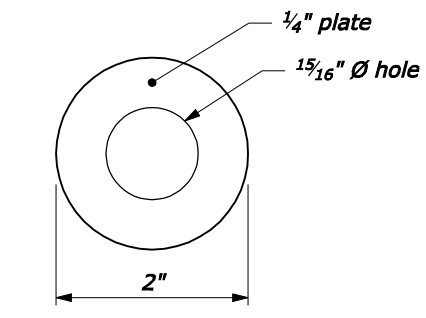


PLATE WASHER

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD TUBULAR STEEL-BACKED TIMBER BRIDGE RAIL Sheet 2 of 2	
STANDARD APPROVED FOR USE --/----	STANDARD 556-1
REVISED: DRAFT: 5/2008	

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