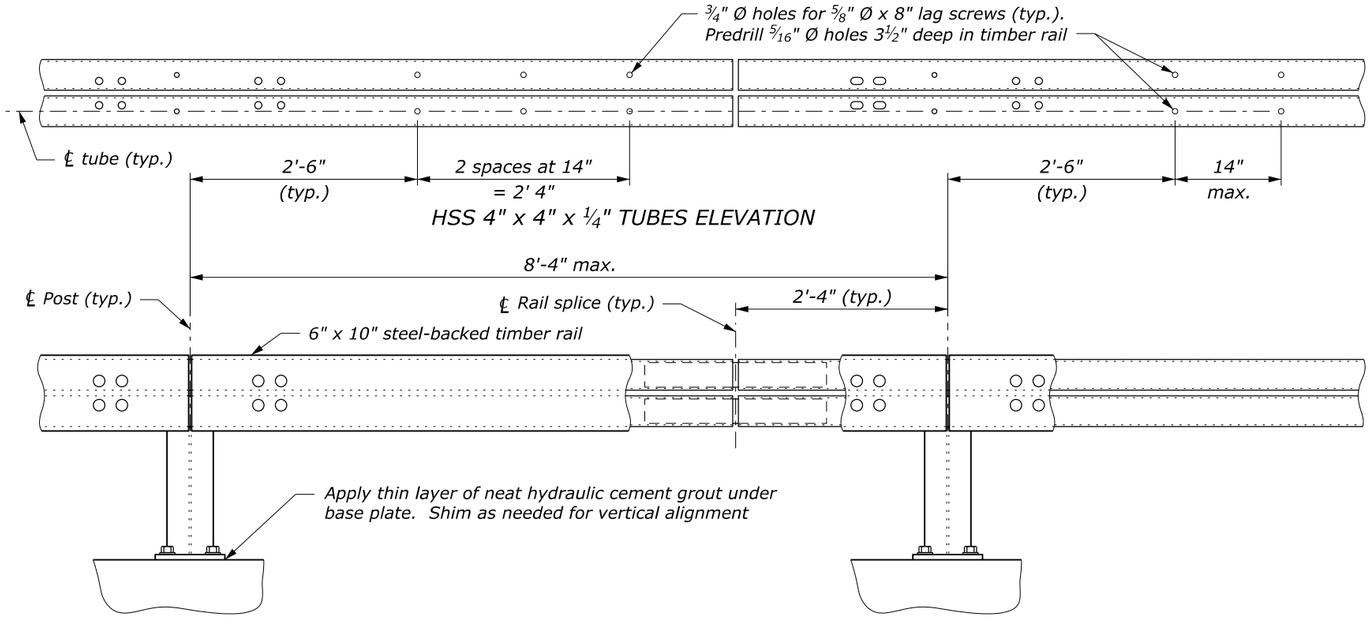
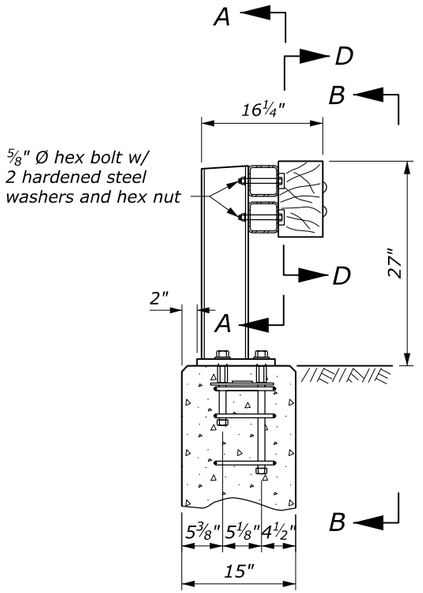
PROJECT	SHEET NUMBER



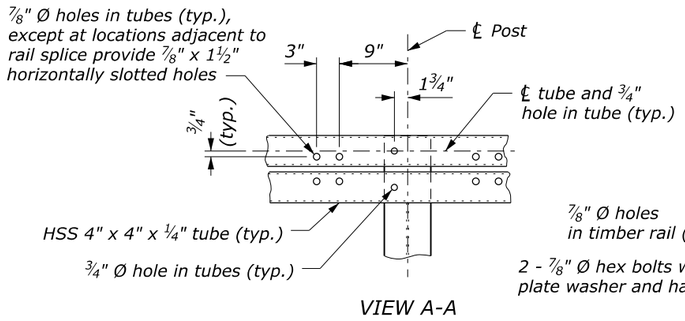
BRIDGE RAIL ELEVATION

NOTE:

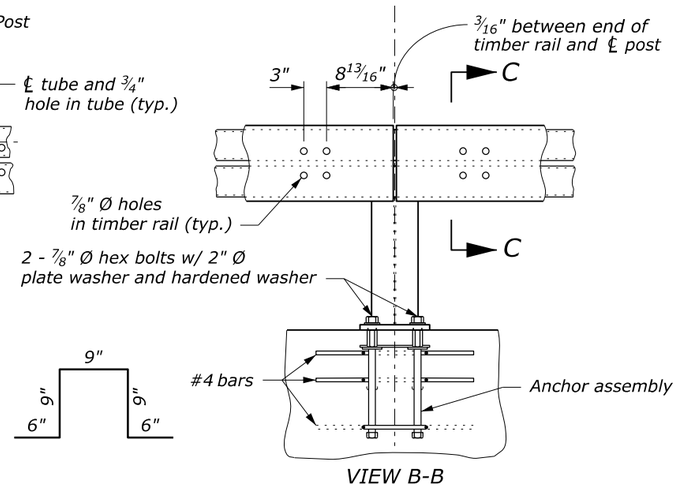
1. Provide steel for rail posts, base plates, shims, splice sleeves, and anchor assembly plates conforming to ASTM A36. Provide structural tubing for rails conforming to ASTM A500, Grade B or C. Paint all metal components of the bridge rail except post base shims, anchor assemblies, and rail splice sleeves. Galvanize post base shims, anchor assemblies, and rail splice sleeves. Provide hex bolts conforming to ASTM A325. Provide hex coupling nuts with a center stop conforming to ASTM A563, Grade C, D, or DH. For all other fasteners conform to ASTM A307.
2. Submit fabrication drawings according to Section 555 and show rail section lengths, splice locations, rail post spacing, and fastener lengths. Fabricate steel according to Section 555 before galvanizing or painting. Weld according to Section 555.
3. Connect each HSS 4" x 4" x ¼" tube to at least three posts between splices.
4. Erect the rail parallel to grade.



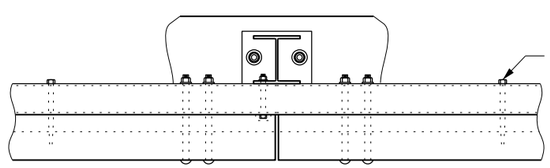
TYPICAL SECTION @ POST



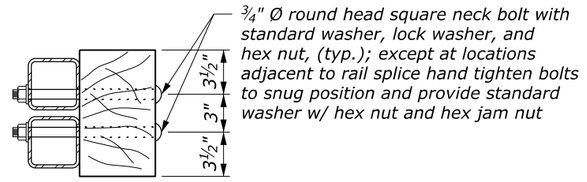
VIEW A-A



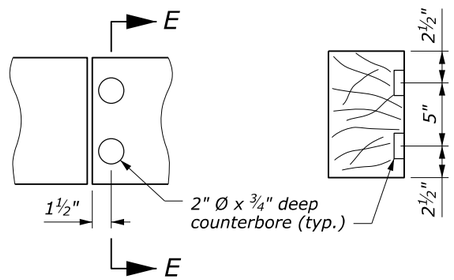
VIEW B-B



PLAN VIEW @ POST



SECTION C-C



VIEW D-D

SECTION E-E

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD 556-1
TUBULAR STEEL-BACKED TIMBER BRIDGE RAIL Sheet 1 of 2	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

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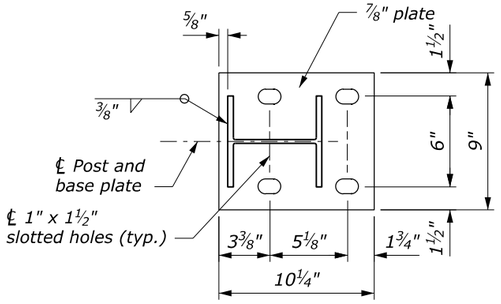
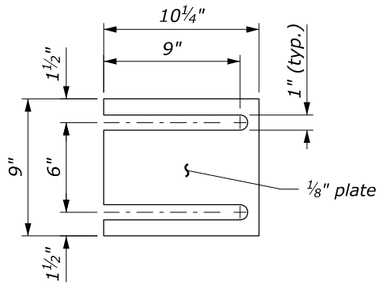
30 May 2024 8:35 AM

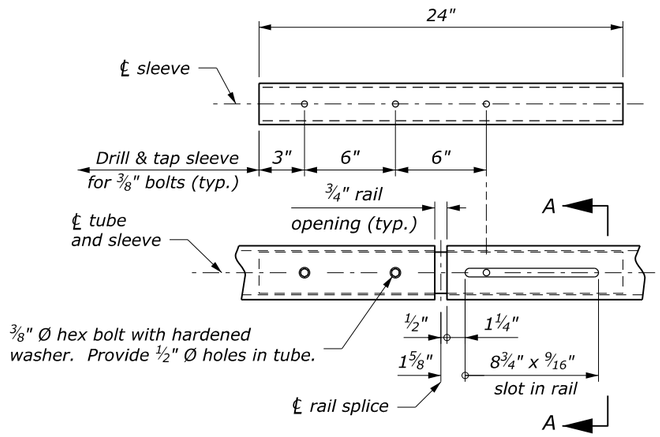
PROJECT	SHEET NUMBER



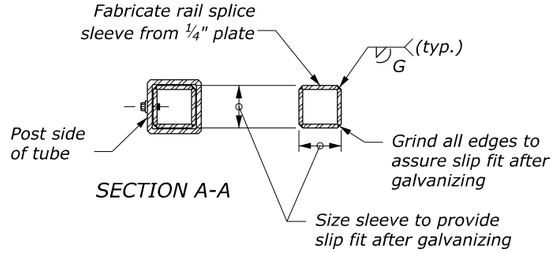
BASE PLATE DETAIL



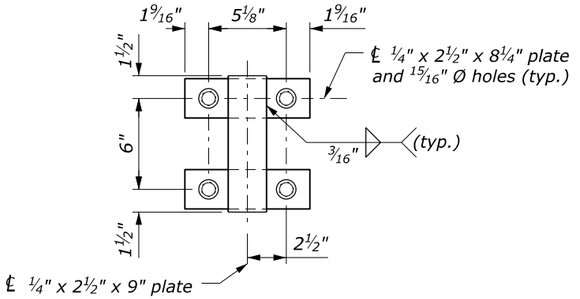
RAIL POST BASE SHIM



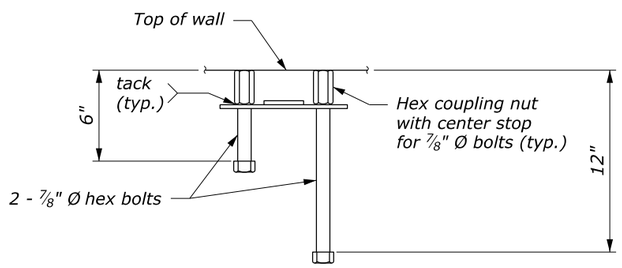
RAIL SPLICE DETAIL



SLEEVE

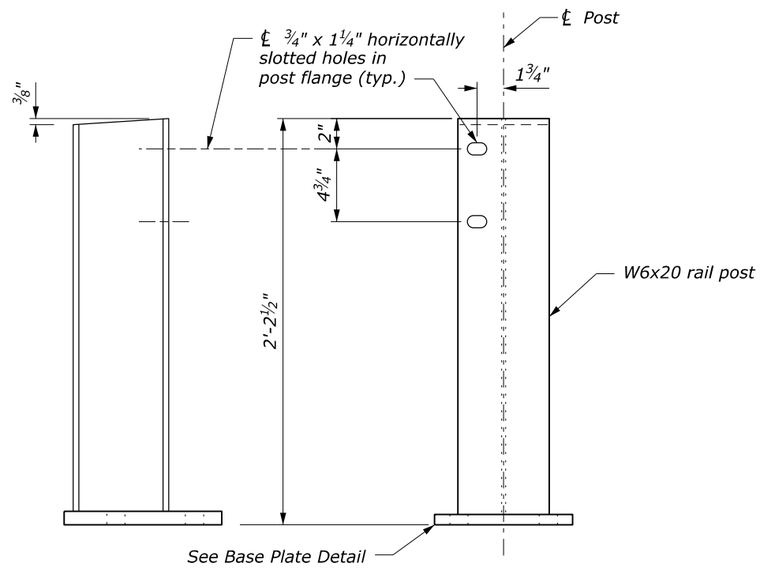


PLAN



ELEVATION

ANCHOR ASSEMBLY



POST ASSEMBLY

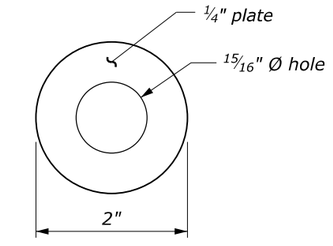


PLATE WASHER

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD 556-1
TUBULAR STEEL-BACKED TIMBER BRIDGE RAIL Sheet 2 of 2	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

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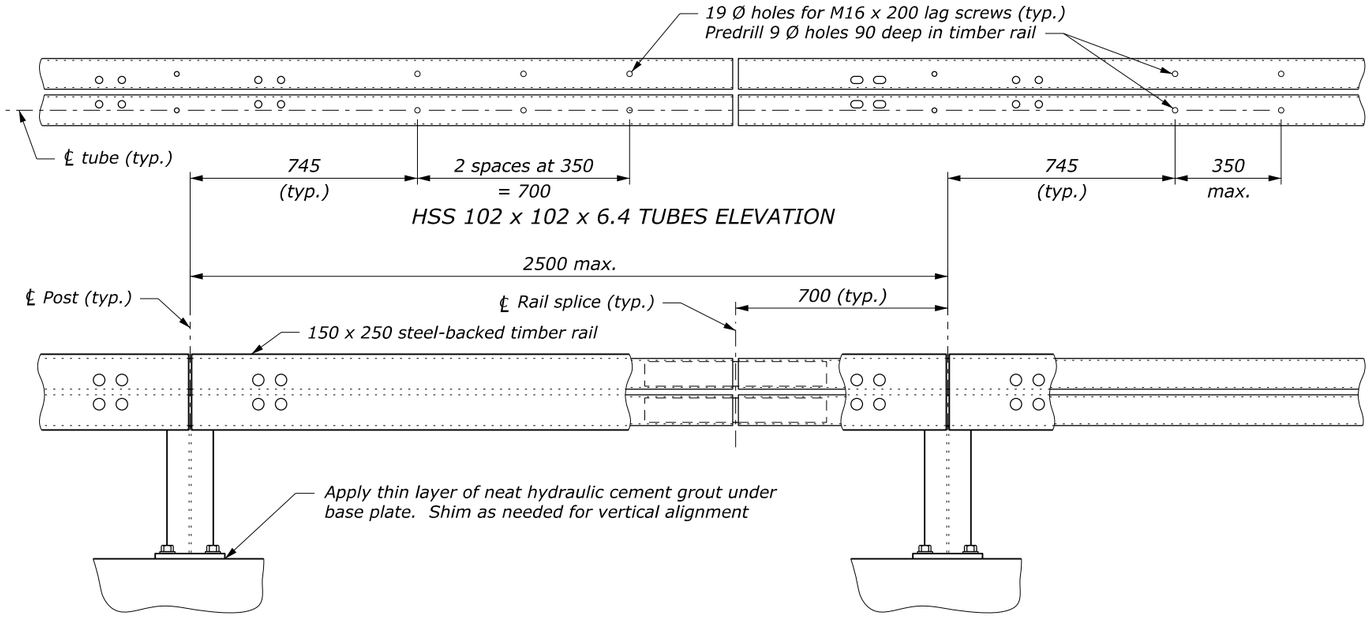
30 May 2024 8:30 AM

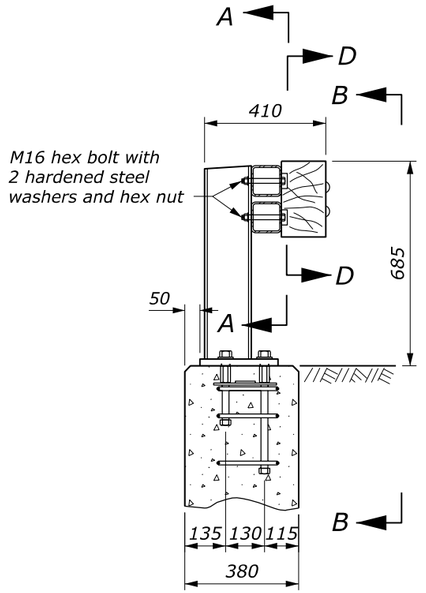
PROJECT	SHEET NUMBER



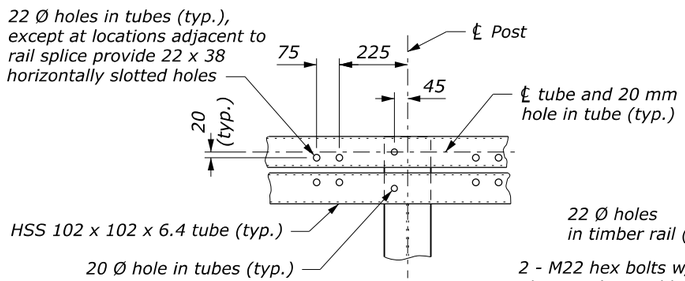
BRIDGE RAIL ELEVATION

NOTE:

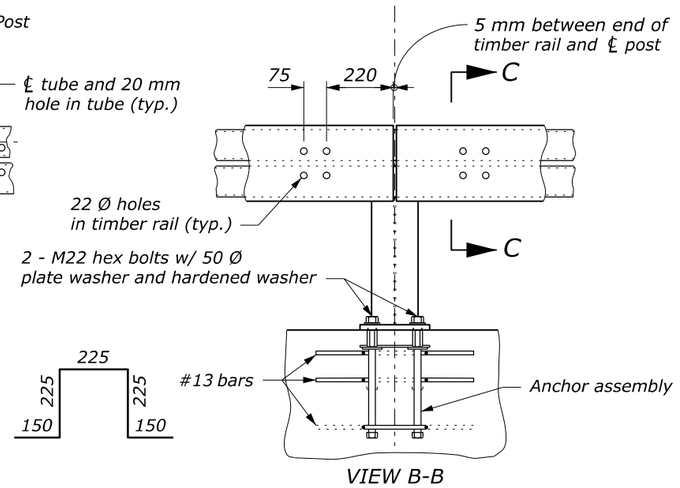
1. Provide steel for rail posts, base plates, shims, splice sleeves, and anchor assembly plates conforming to ASTM A36. Provide structural tubing for rails conforming to ASTM A500, Grade B or C. Paint all metal components of the bridge rail except post base shims, anchor assemblies, and rail splice sleeves. Galvanize post base shims, anchor assemblies, and rail splice sleeves. Provide hex bolts conforming to ASTM A325. Provide hex coupling nuts with a center stop conforming to ASTM A563, Grade C, D, or DH. For all other fasteners conform to ASTM A307.
2. Submit fabrication drawings according to Section 555 and show rail section lengths, splice locations, rail post spacing, and fastener lengths. Fabricate steel according to Section 555 before galvanizing or painting. Weld according to Section 555.
3. Connect each HSS 102 x 102 x 6.4 tube to at least three posts between splices.
4. Erect the rail parallel to grade.



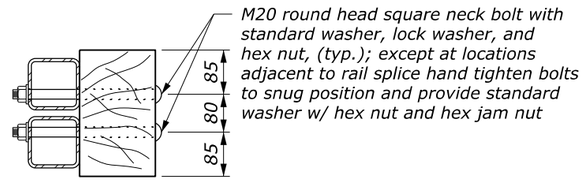
TYPICAL SECTION @ POST



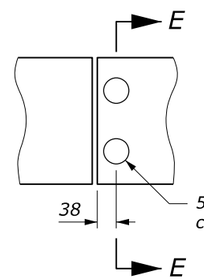
VIEW A-A



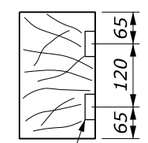
VIEW B-B



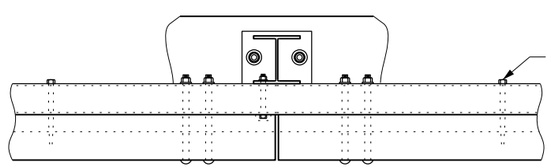
SECTION C-C



VIEW D-D



SECTION E-E



PLAN VIEW @ POST

NO SCALE

*This drawing contains **Metric** units of measure. Dimensions without units are millimeters.*

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD M556-1
TUBULAR STEEL-BACKED TIMBER BRIDGE RAIL Sheet 1 of 2	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

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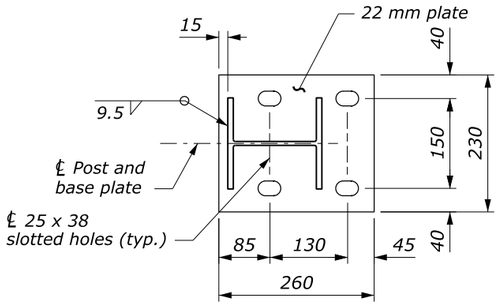
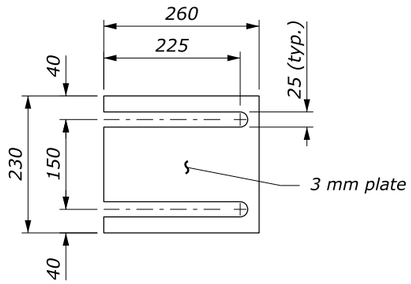
30 May 2024 8:18 AM

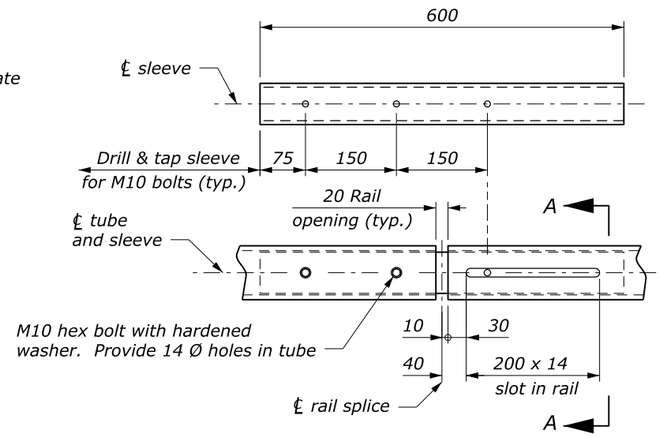
PROJECT	SHEET NUMBER



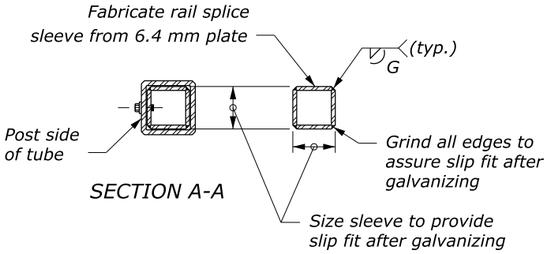
BASE PLATE DETAIL



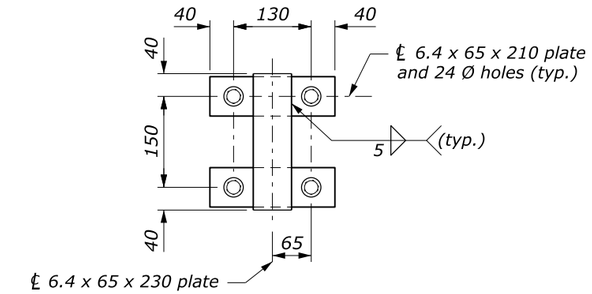
RAIL POST BASE SHIM



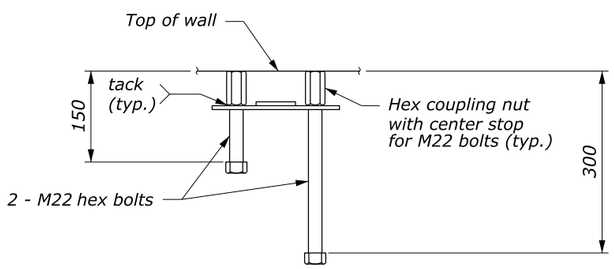
RAIL SPLICE DETAIL



SLEEVE

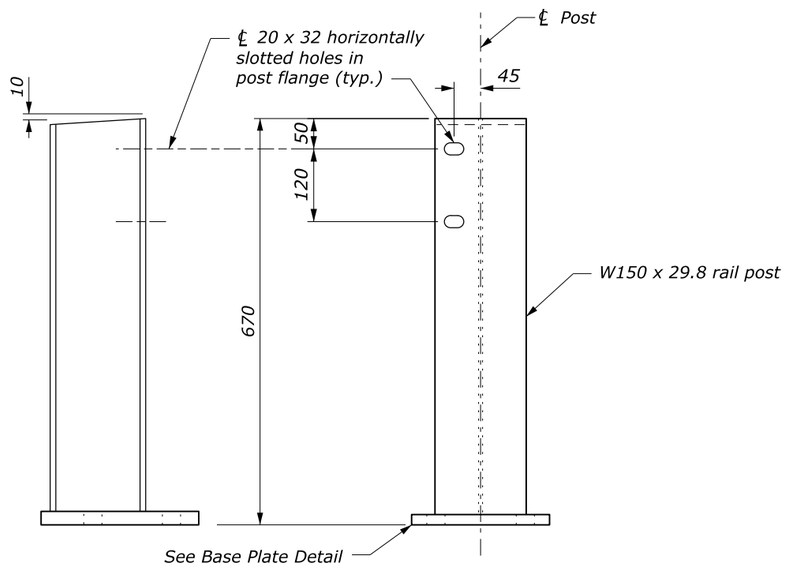


PLAN



ELEVATION

ANCHOR ASSEMBLY



POST ASSEMBLY

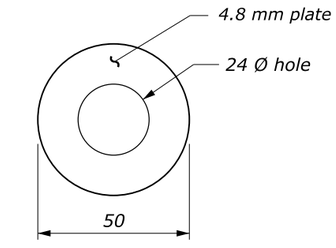


PLATE WASHER

*This drawing contains **Metric** units of measure. Dimensions without units are millimeters.*

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD M556-1
TUBULAR STEEL-BACKED TIMBER BRIDGE RAIL Sheet 2 of 2	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

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17 June 2024 3:56 PM