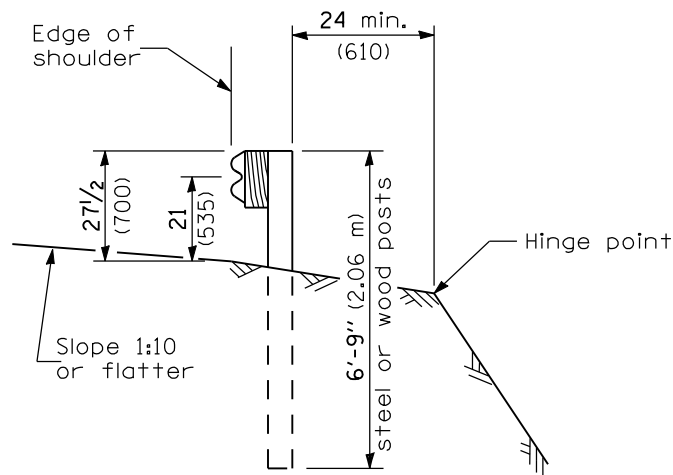


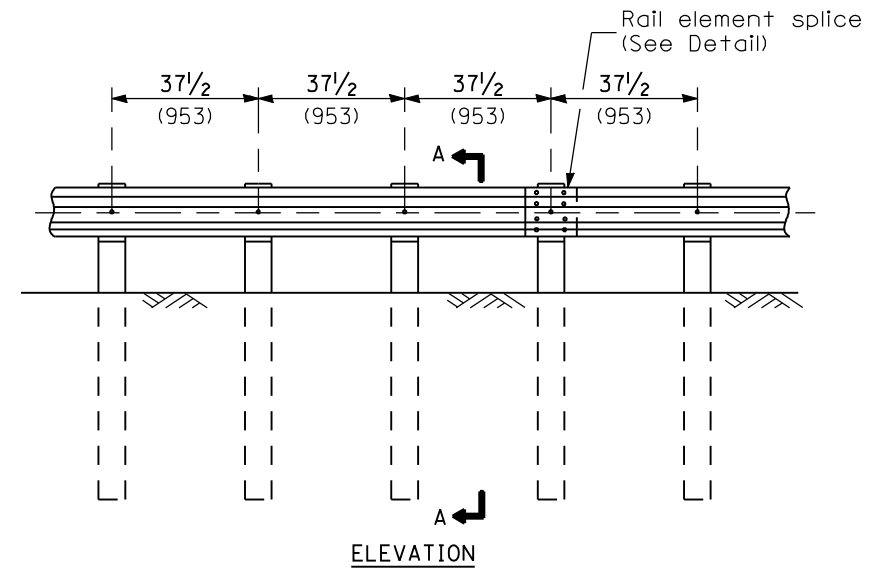
ELEVATION

TYPE A

6'-3" (1.905 m) Typical post spacing



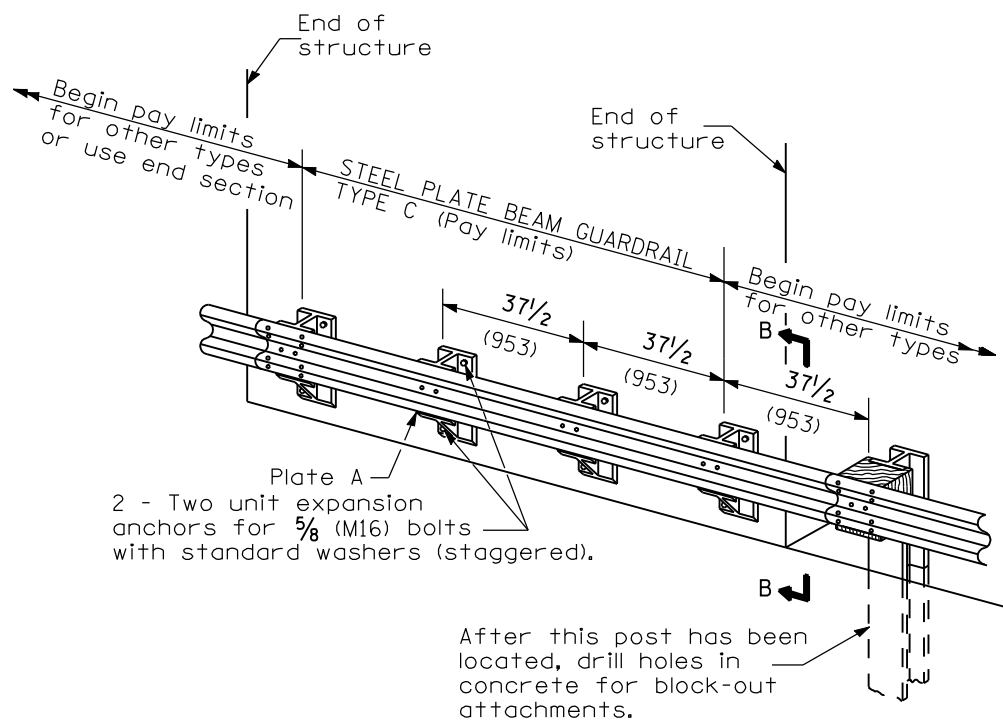
SECTION A-A



ELEVATION

TYPE B

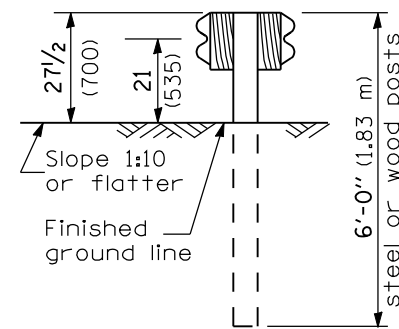
37 1/2 (953) Closed post spacing



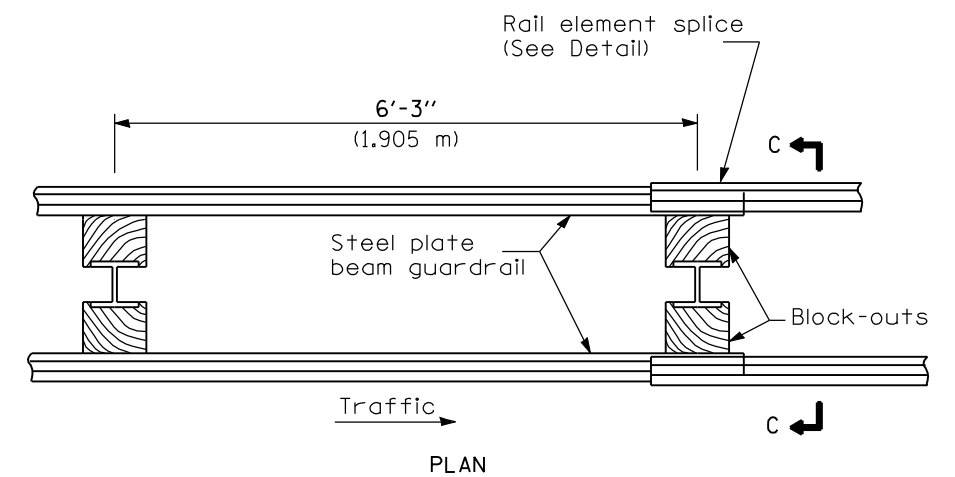
TYPE C

37 1/2 (953) Block-out spacing

After this post has been located, drill holes in concrete for block-out attachments.



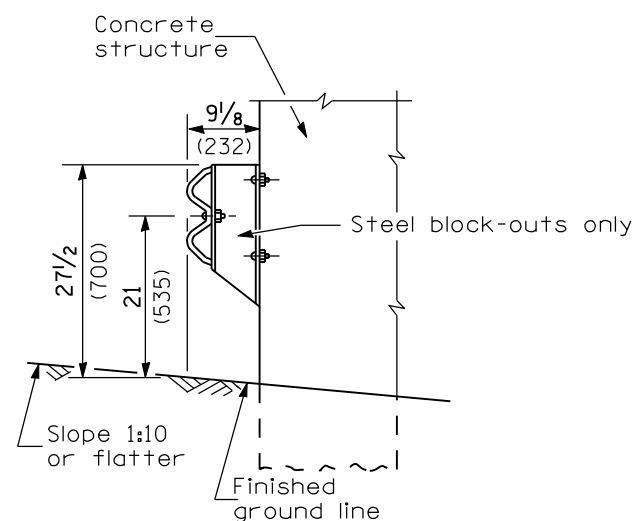
SECTION C-C



PLAN

TYPE D

Double steel plate beam guardrail
6'-3" (1.905 m) typical post spacing



SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-08	New Standard.
	Was Std. 630001 prior to January 1, 2007.

STEEL PLATE BEAM GUARDRAIL
27 1/2" (700mm) HEIGHT
(Sheet 1 of 4)

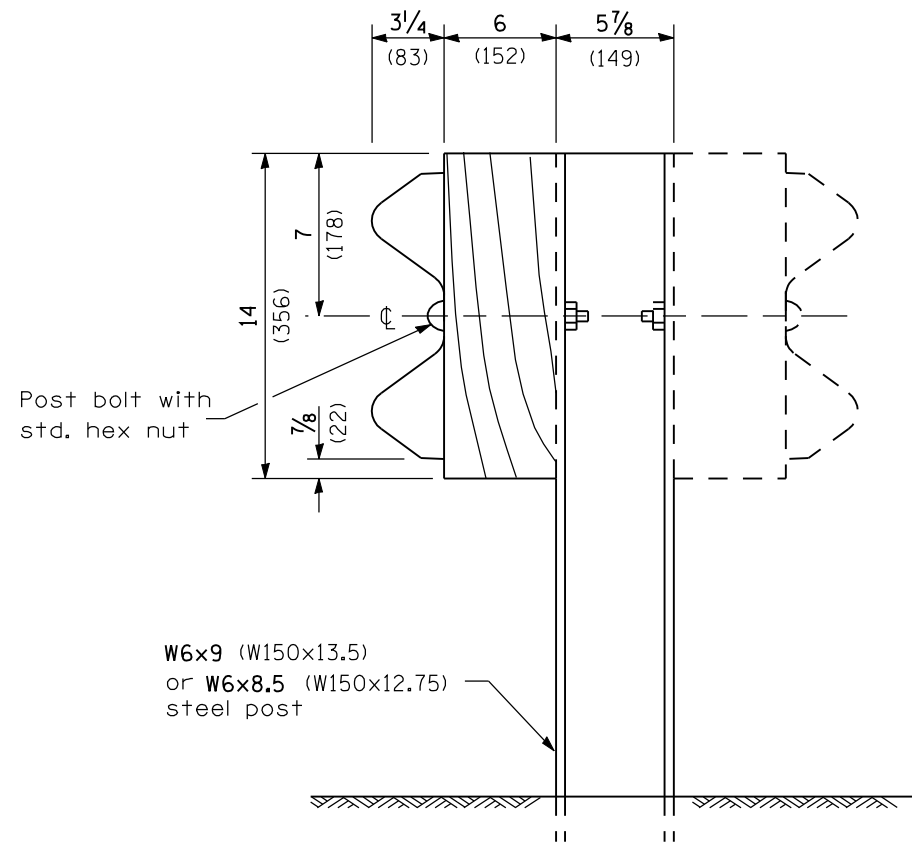
STANDARD B.L.R. 26-1

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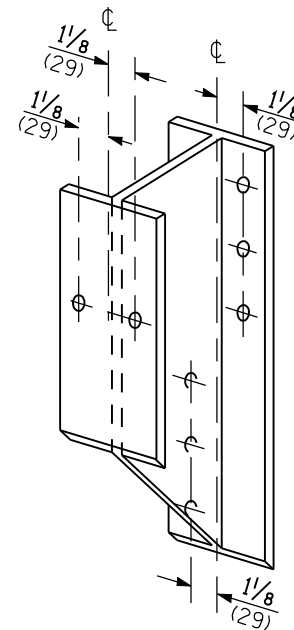
APPROVED January 1, 2009
Charles J. Russell
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APPROVED January 1, 2009
Ken E. Han
ENGINEER OF DESIGN AND ENVIRONMENT

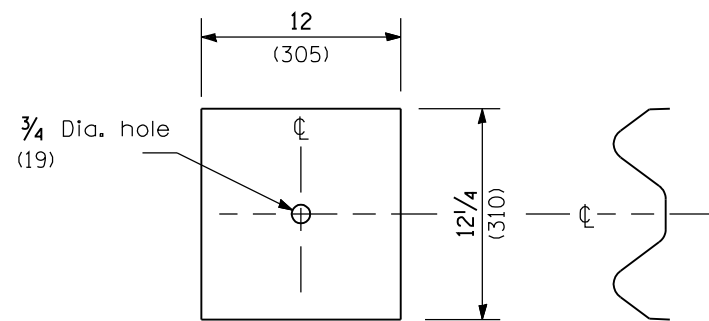
ISSUED 1-1-08



STEEL POST CONSTRUCTION



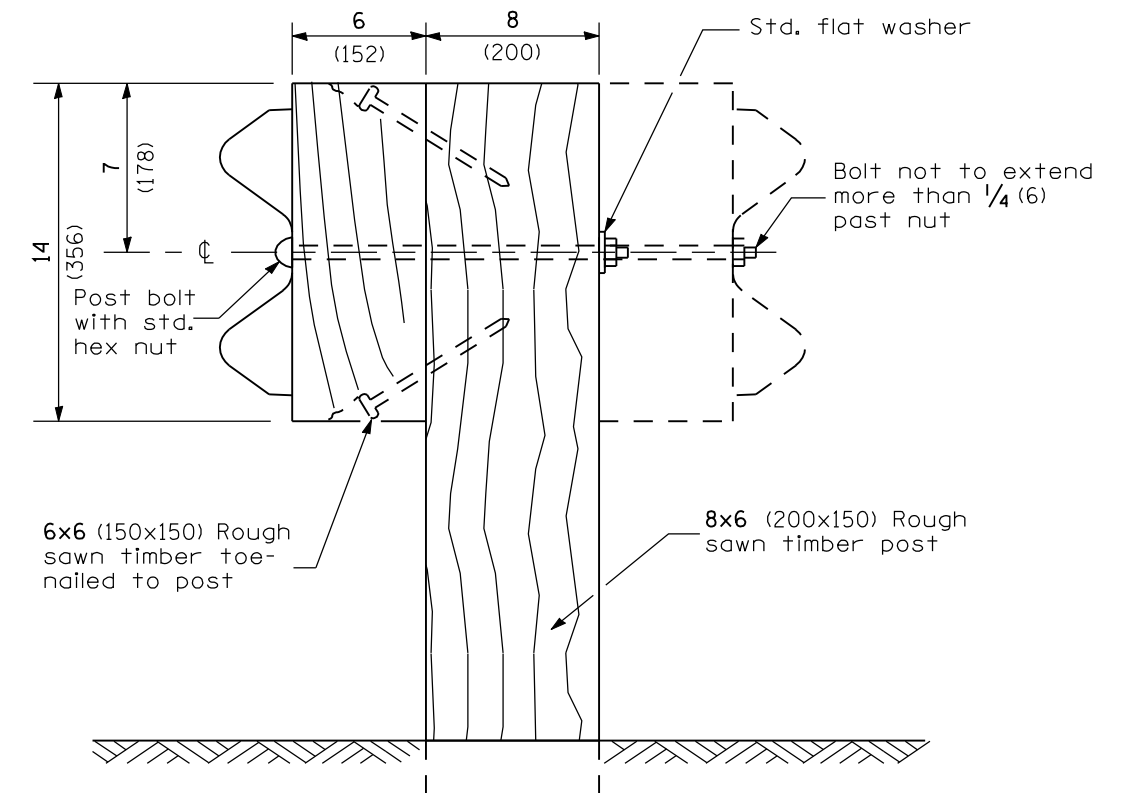
STEEL BLOCK-OUT DETAIL



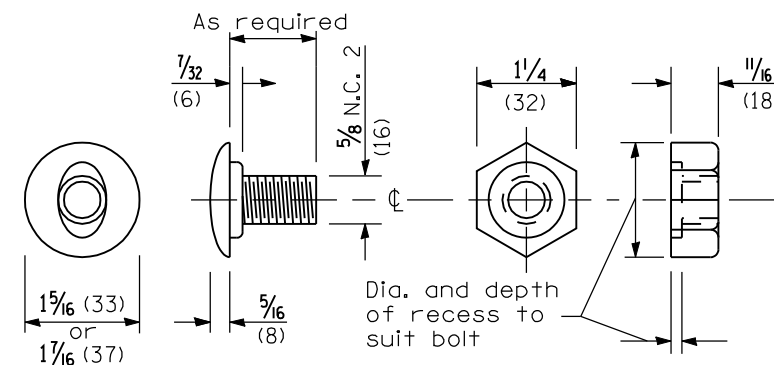
NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A

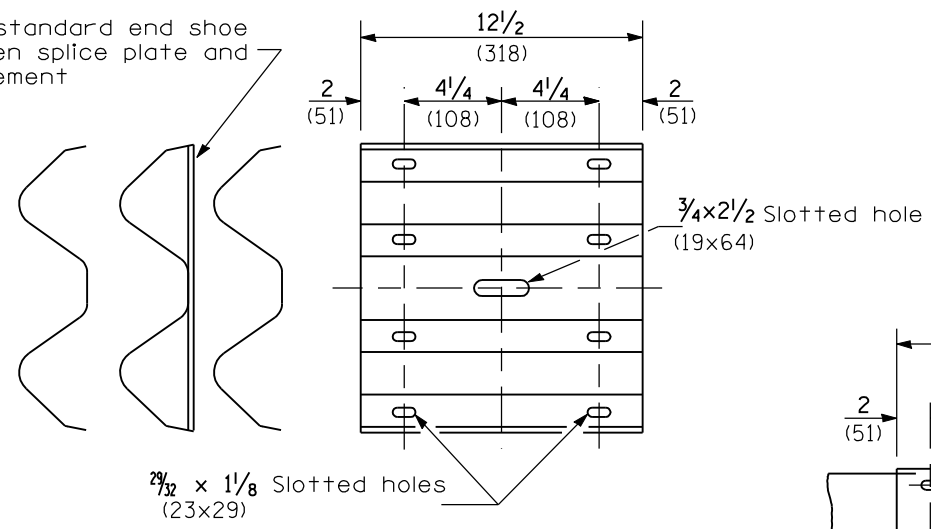


WOOD POST CONSTRUCTION

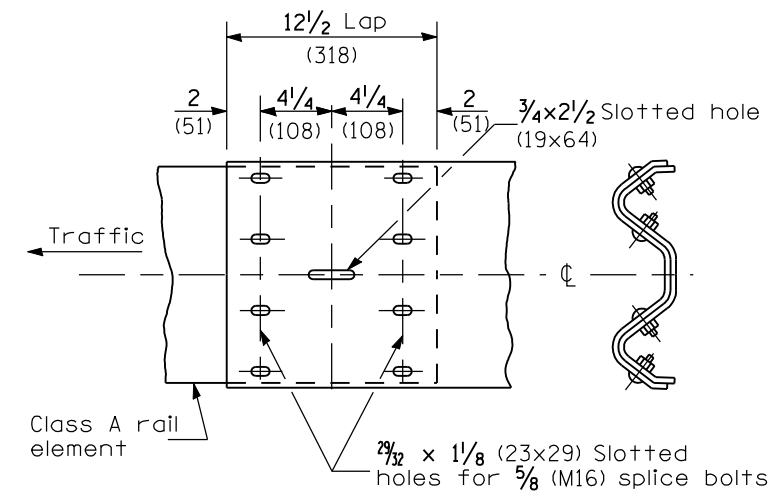


POST OR SPLICE BOLT & NUT

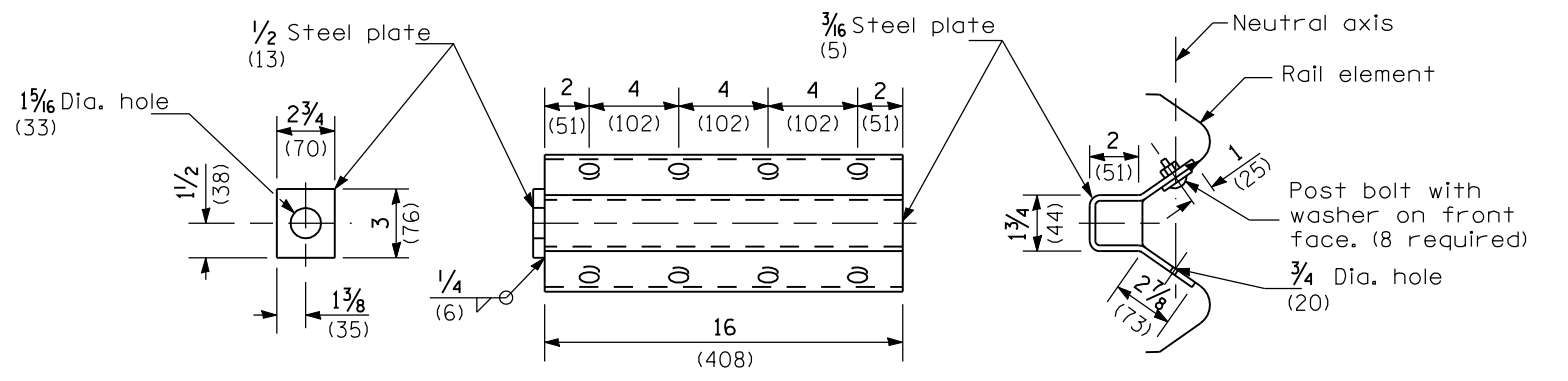
Place standard end shoe between splice plate and rail element



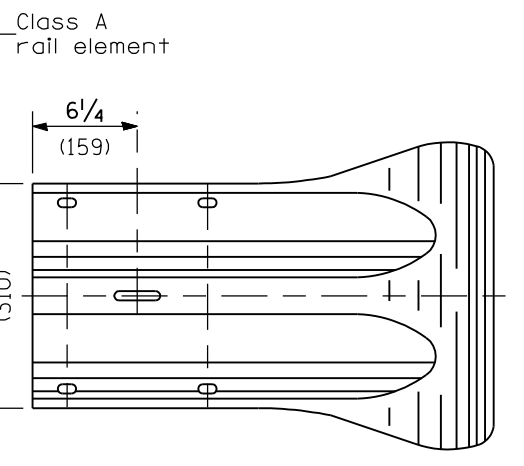
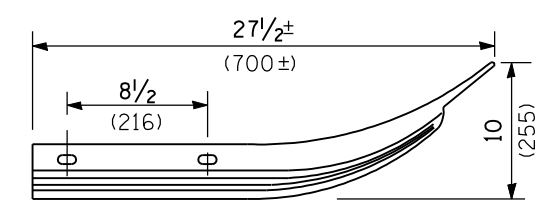
SPLICE PLATE



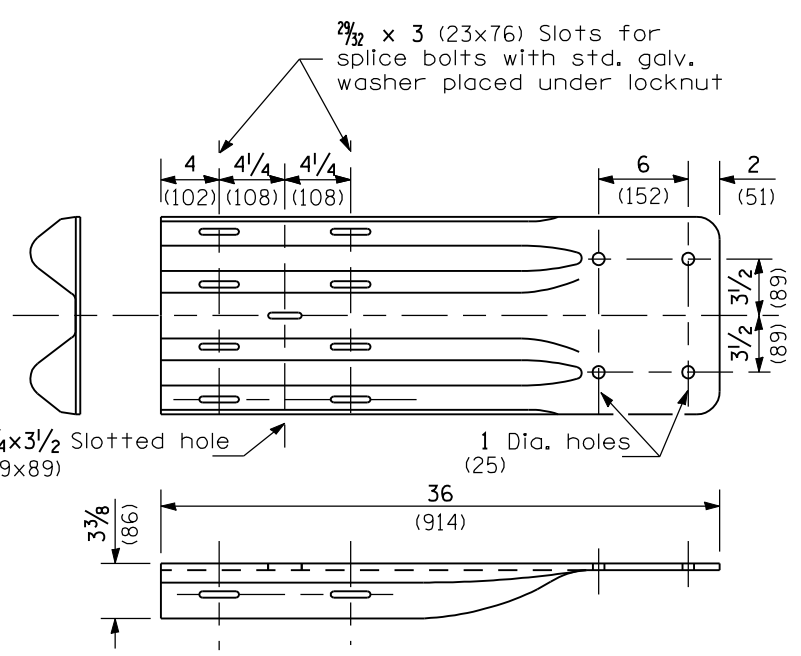
RAIL ELEMENT SPLICE



ANCHOR PLATE T DETAILS



END SECTION



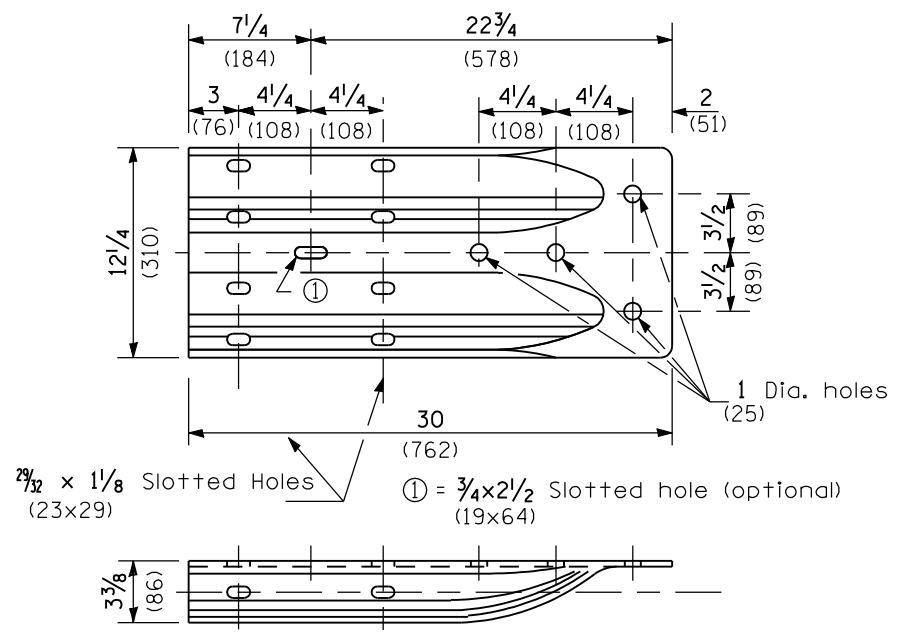
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

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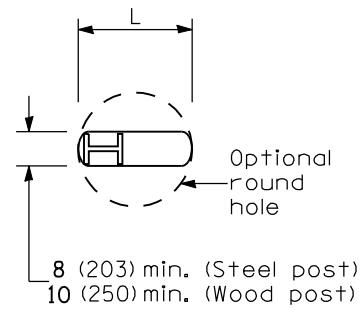
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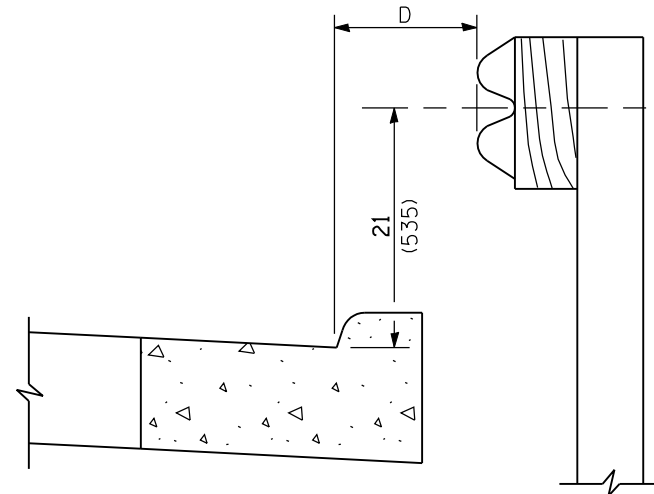
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STEEL PLATE BEAM GUARDRAIL
27 1/2" (700mm) HEIGHT
 (Sheet 3 of 4)

STANDARD B.L.R. 26-1



PLAN

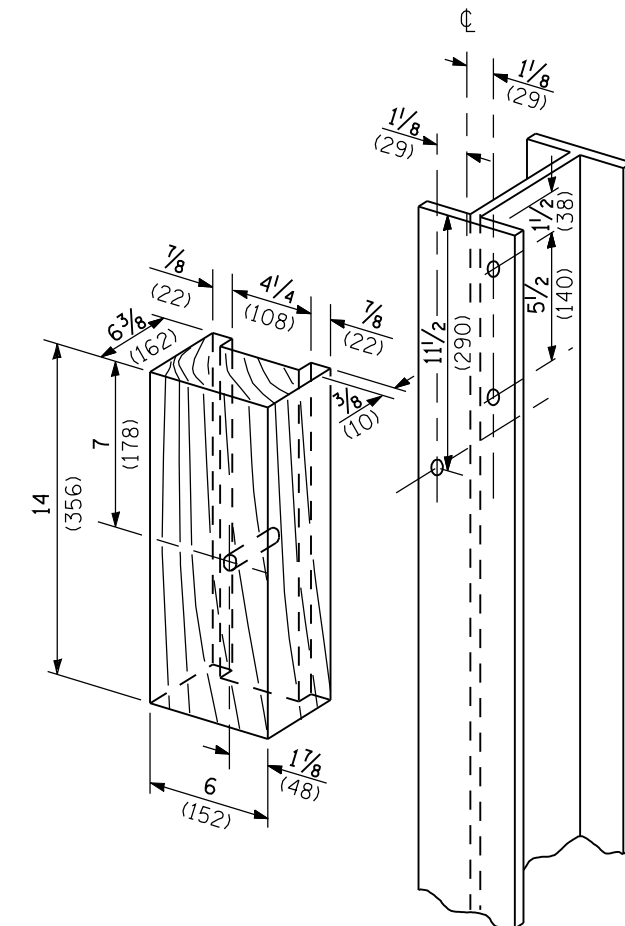


Note:

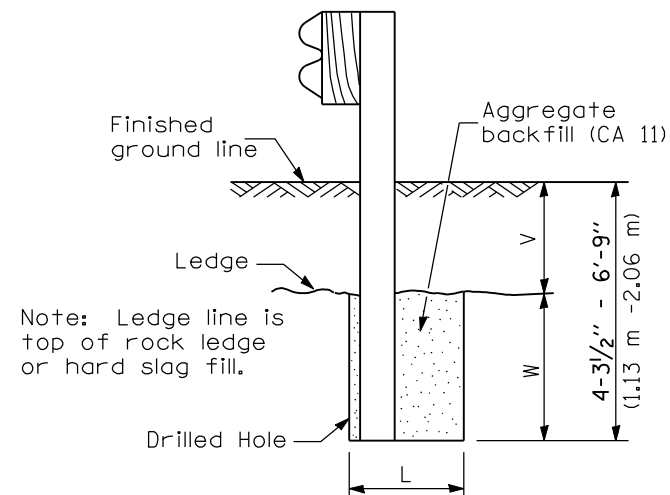
If it is necessary for D to be more than 12 (300) and less than 10'-0" (3.0 m), Type M-2 (M-5) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 12 (300) maximum)



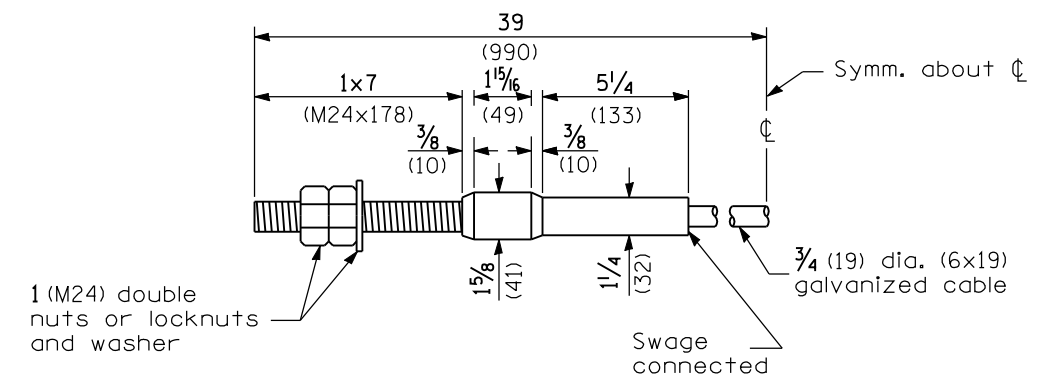
WOOD BLOCK-OUT AND STEEL POST DETAILS



ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (>460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 m (>825 - 1.13 m)	12 - 0 (305 - 0)	8 (203)	10 (250)



CABLE ASSEMBLY

(40,000 lbs., (18,100 kg) min. breaking strength)
Tighten to taut tension.

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STEEL PLATE BEAM GUARDRAIL
27 1/2" (700mm) HEIGHT

(Sheet 4 of 4)

STANDARD B.L.R. 26-1