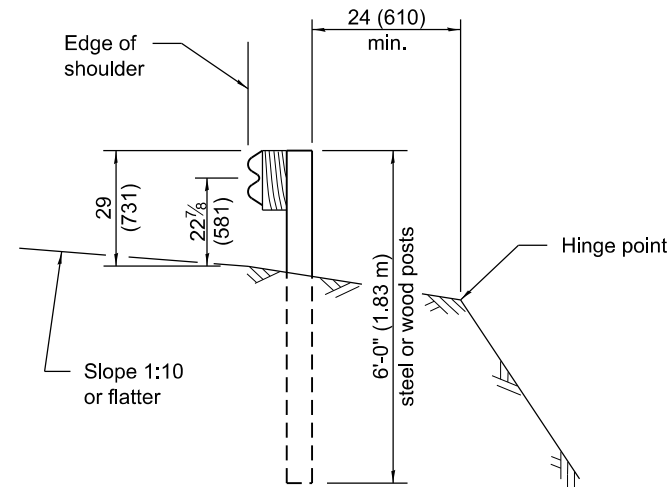


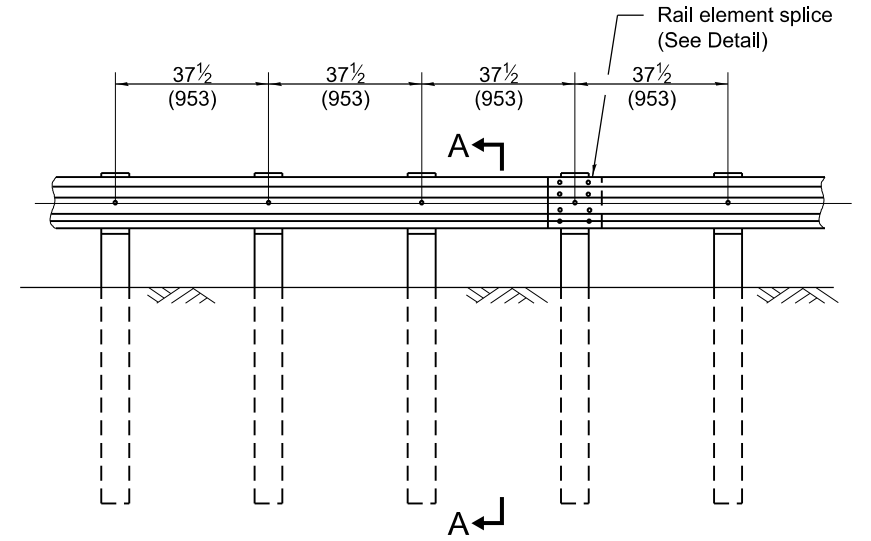
**ELEVATION**

**TYPE A**

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



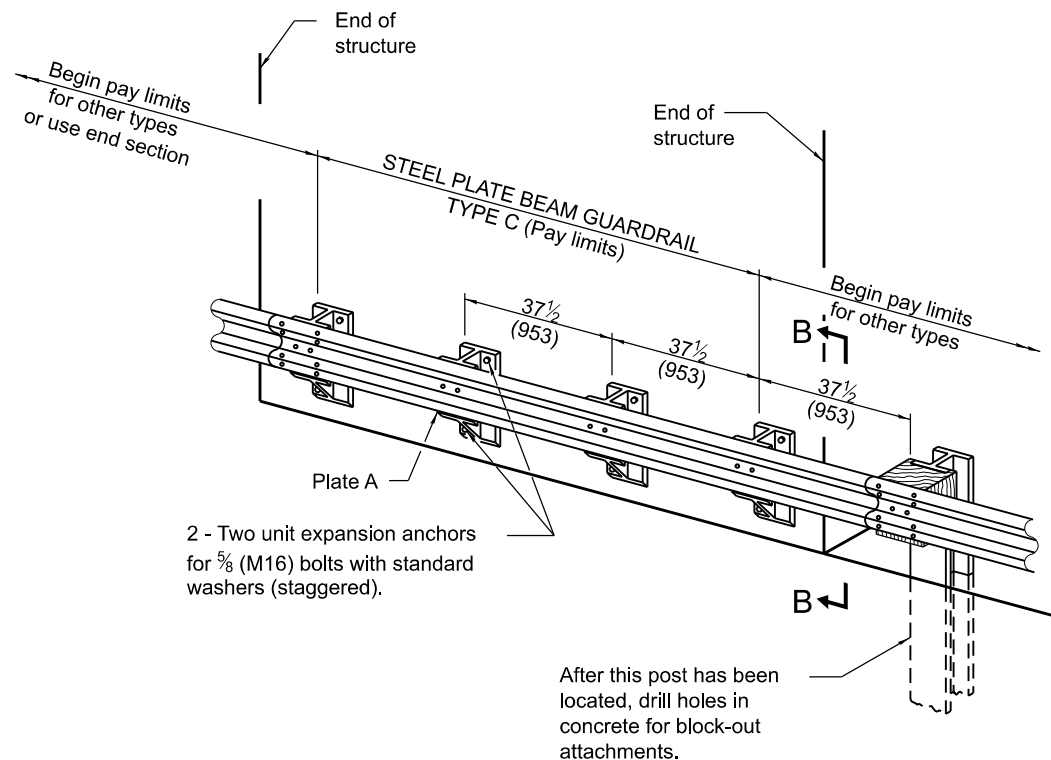
**SECTION A-A**



**ELEVATION**

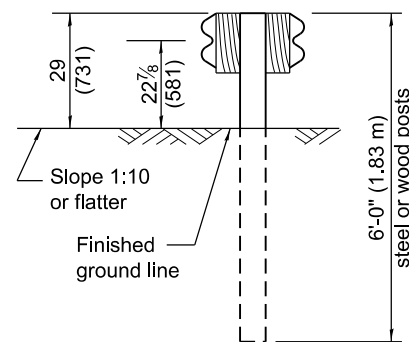
**TYPE B**

37 1/2" (953) Closed post spacing

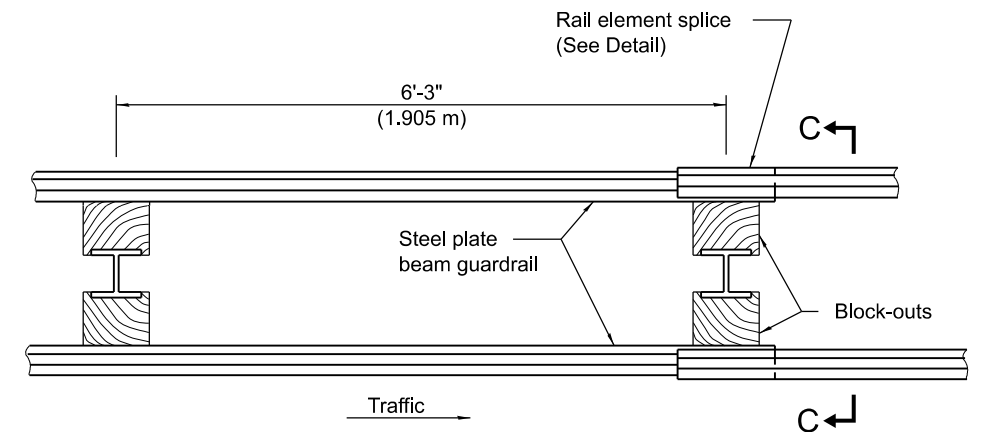


**TYPE C**

37 1/2" (953) Block-out spacing



**SECTION C-C**



**PLAN**

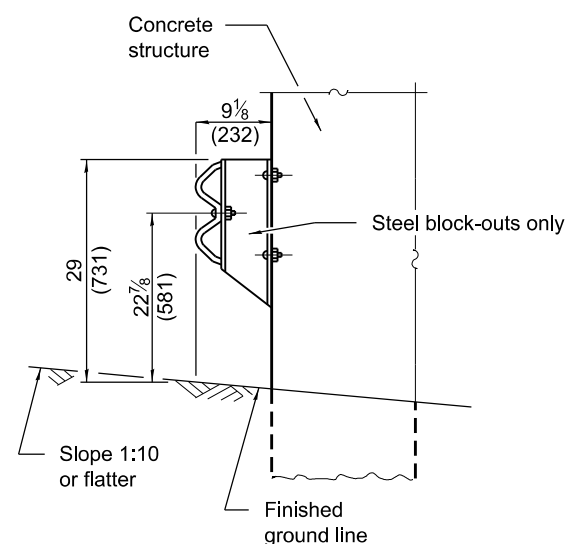
**TYPE D**

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

**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.



**SECTION B-B**

DATE	REVISIONS
1-1-12	Revised guardrail height. Modified table on sht. 4. Renamed standard.
1-1-10	Changed post length from 6'-9" to 6'-0". Modified table on sht. 4.

**STEEL PLATE BEAM GUARDRAIL 29" (731 mm) HEIGHT**

(Sheet 1 of 4)

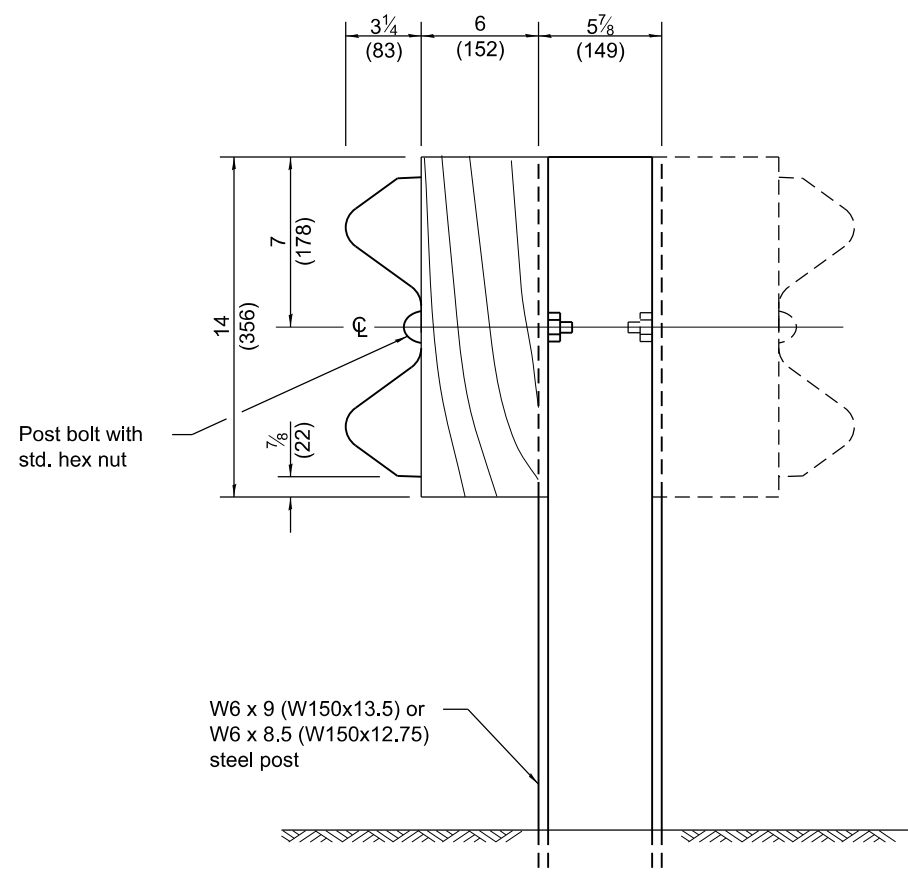
**STANDARD B.L.R. 26-3**

Illinois Department of Transportation

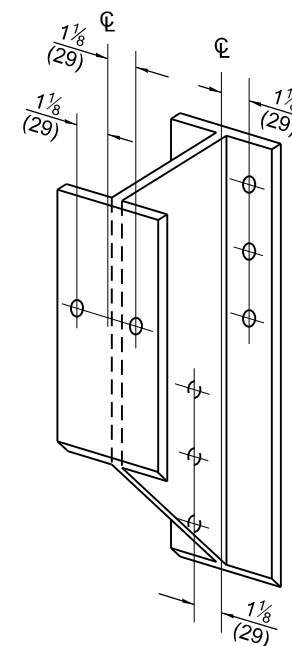
APPROVED January 1, 2012  
ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2012  
ENGINEER OF DESIGN AND ENVIRONMENT

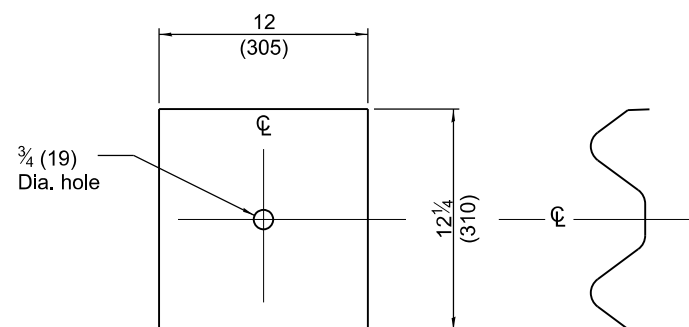
ISSUED 1-1-08



**STEEL POST CONSTRUCTION**

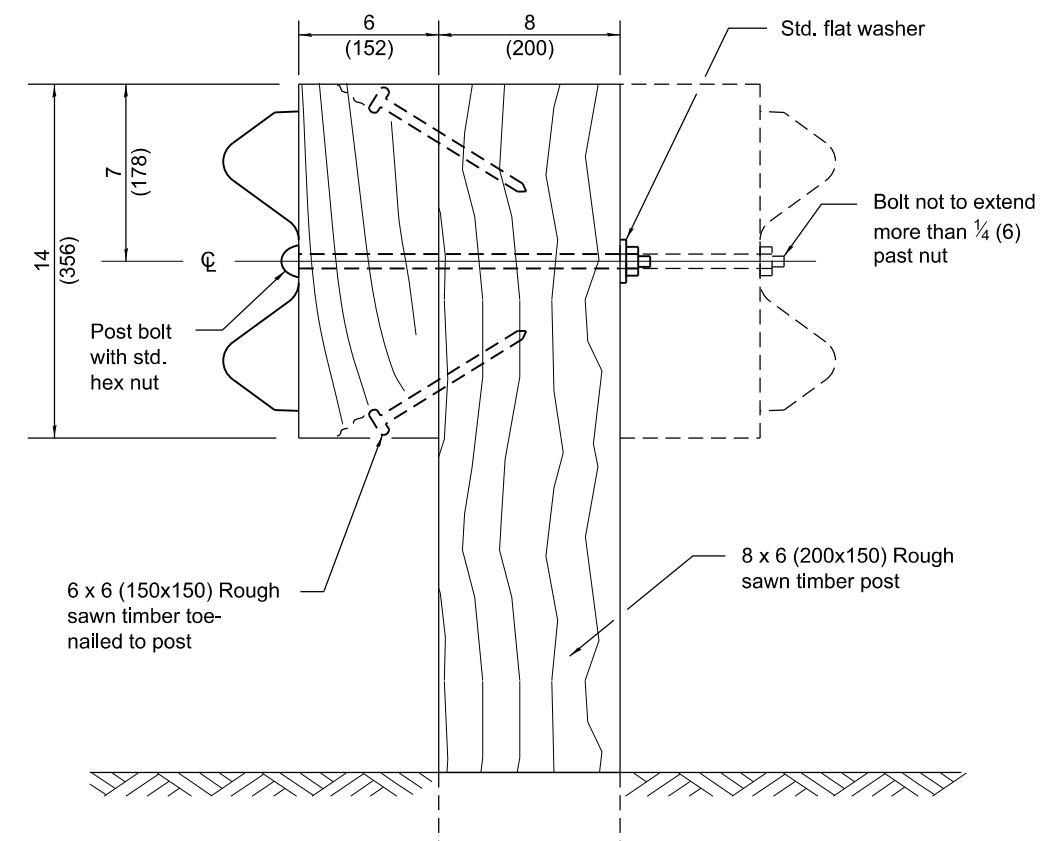


**STEEL BLOCK-OUT DETAIL**

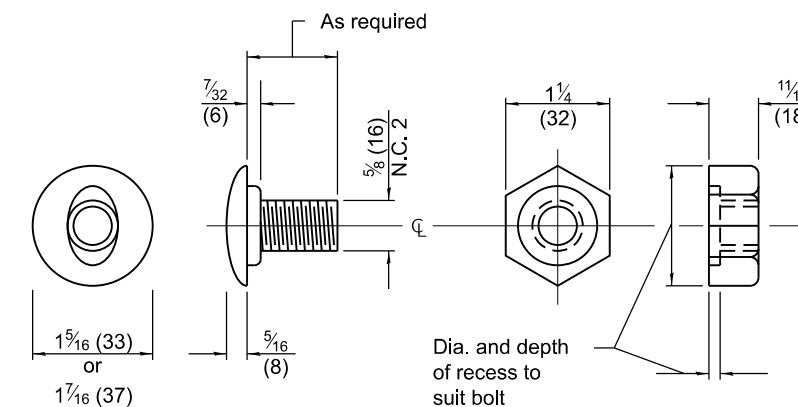


NOTE  
Plate A shall be placed between  
rail element and block-out at non-  
splice mounting points only when  
steel block-outs are used.

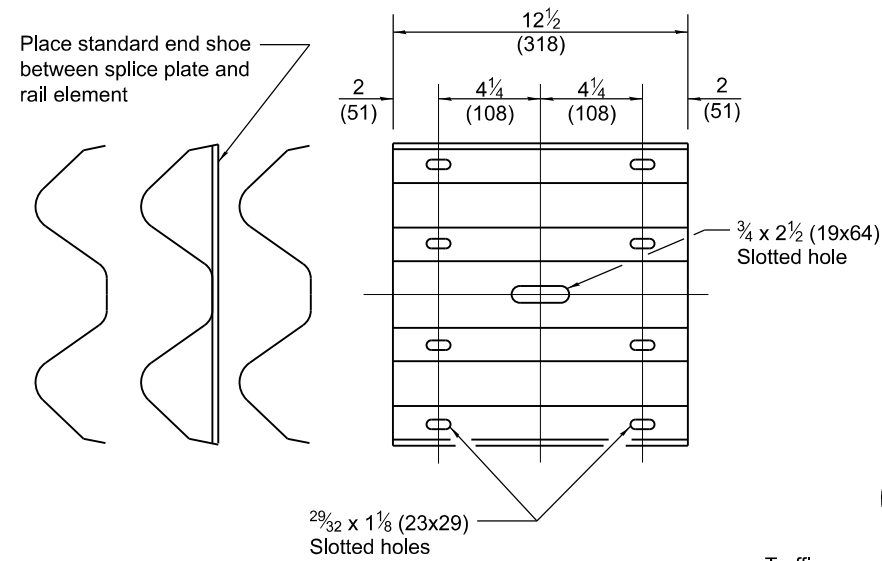
**PLATE A**



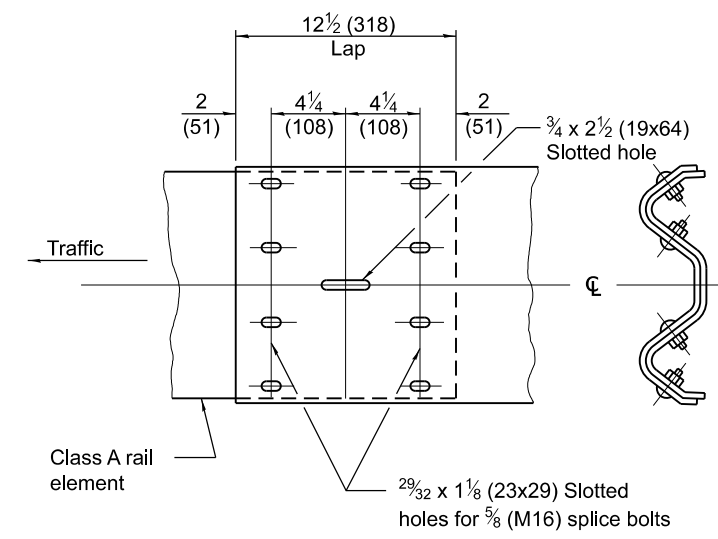
**WOOD POST CONSTRUCTION**



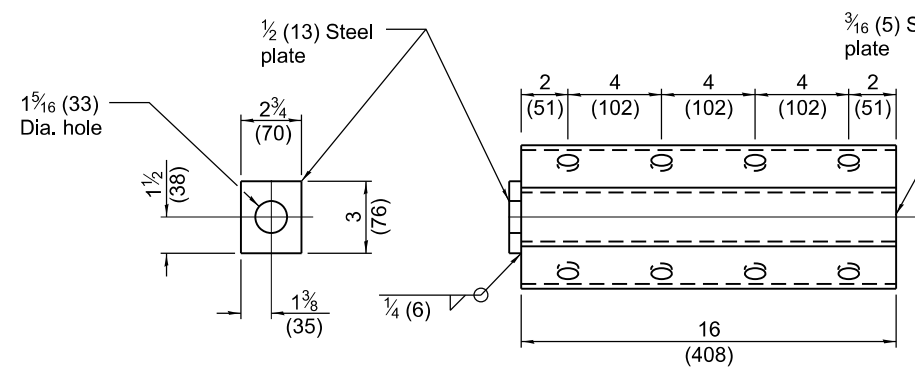
**POST OR SPLICE BOLT & NUT**



**SPLICE PLATE**

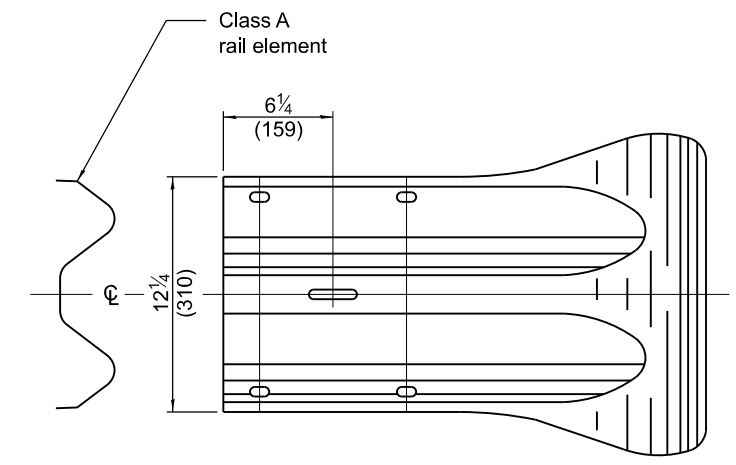
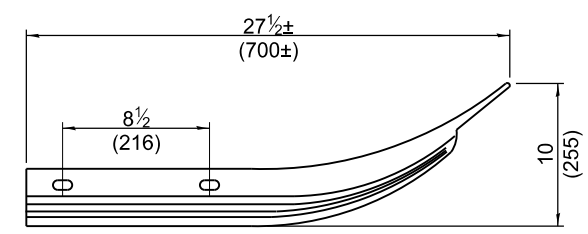
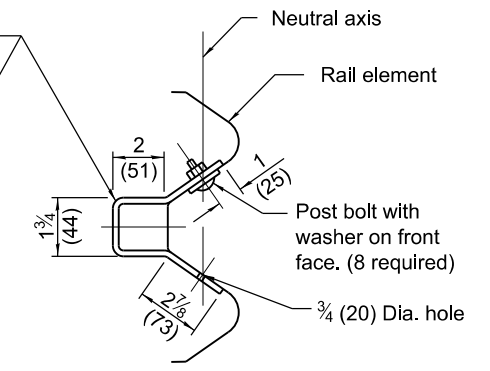


**RAIL ELEMENT SPLICE**

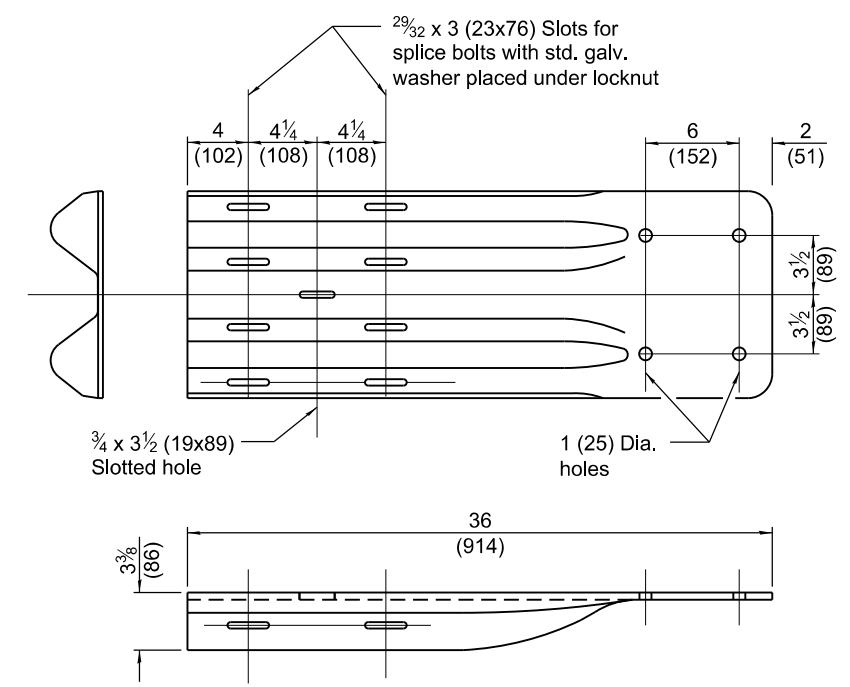


NOTE  
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

**ANCHOR PLATE T DETAILS**



**END SECTION**

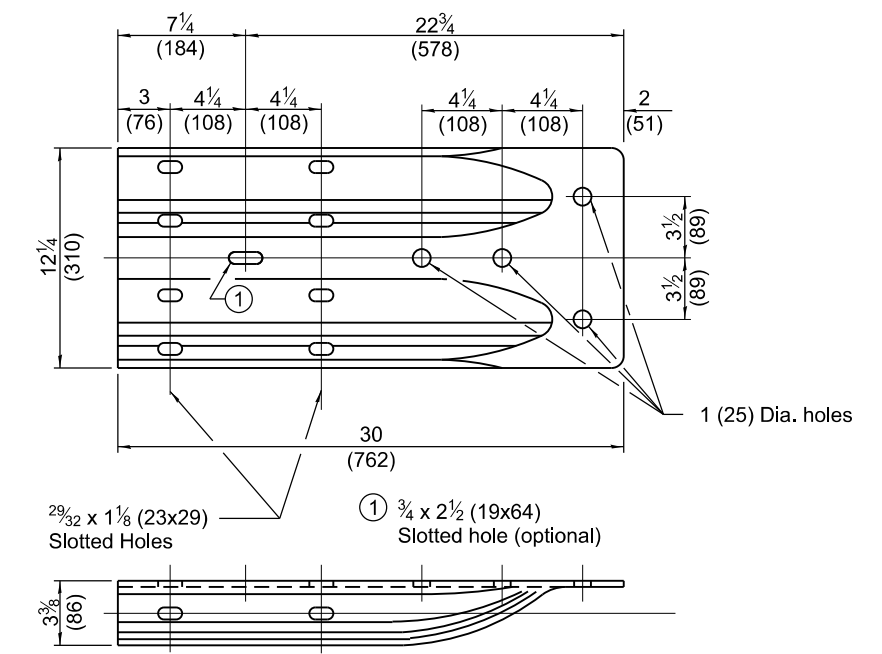


NOTE  
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

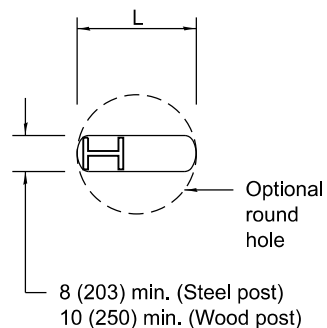
The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

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

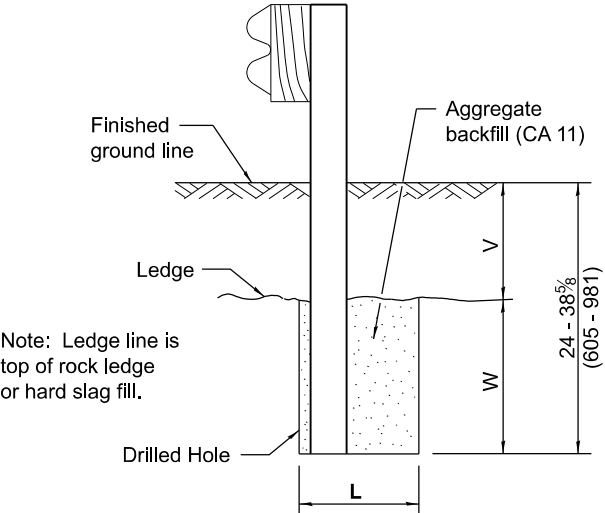
**END SHOE**



**ALTERNATE END SHOE**

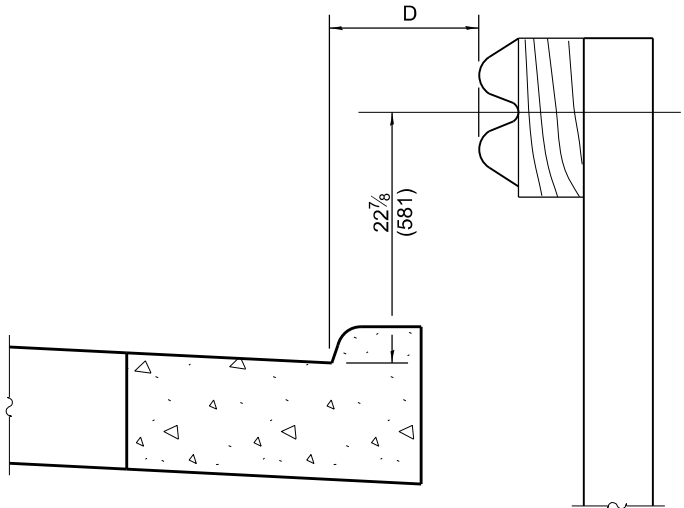


**PLAN**



**ELEVATION**

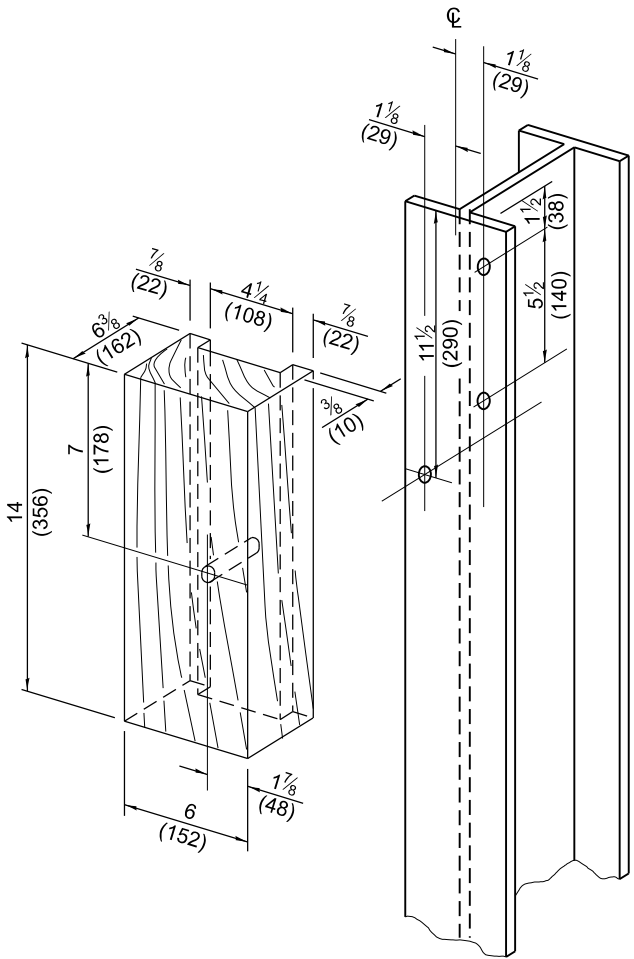
**FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED**



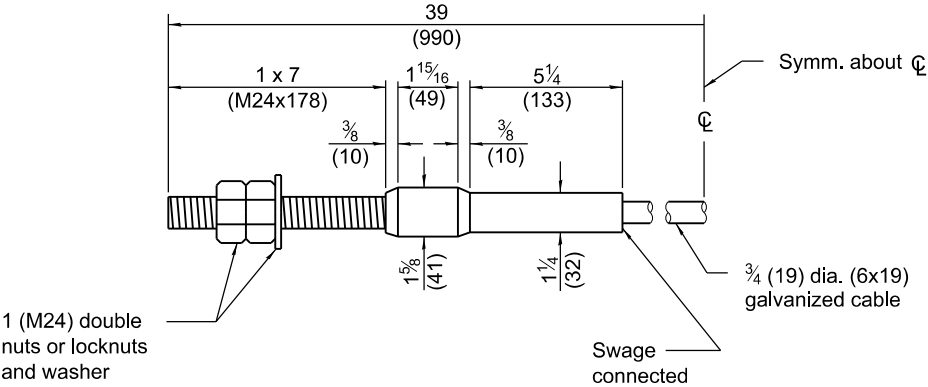
Note:  
If it is necessary for D to be more than 12 (300) and less than 10'-0" (3.0 m) Type M-2 (M-5) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

**GUARDRAIL PLACED BEHIND CURB**  
(D = O desirable to 12 (300) maximum)

V	W	L	
		Steel Post	Wood Post
0 - 16 1/8 (0 - 410)	24 (610)	21 (530)	23 (580)
>16 1/8 - 28 1/8 (>410 - 714)	12 (305)	8 (203)	10 (250)
>28 1/8 - 38 5/8 (>714 - 981)	12 - 0 (305 - 0)	8 (203)	10 (250)



**WOOD BLOCK-OUT AND STEEL POST DETAILS**



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

**STEEL PLATE BEAM  
GUARDRAIL 29" (731 mm)  
HEIGHT**

(Sheet 4 of 4)

**STANDARD B.L.R. 26-3**