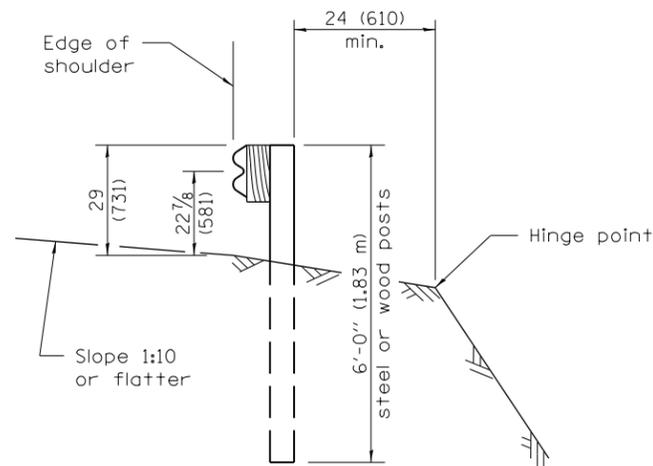


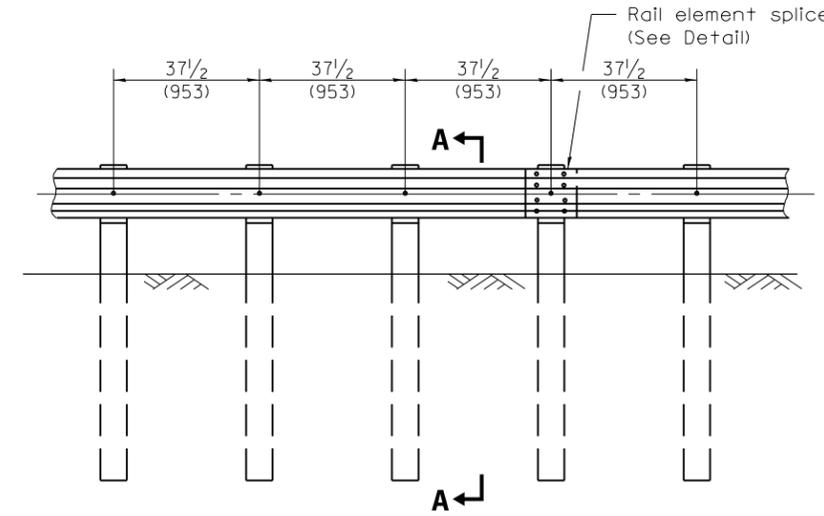
**ELEVATION**

**TYPE A**

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



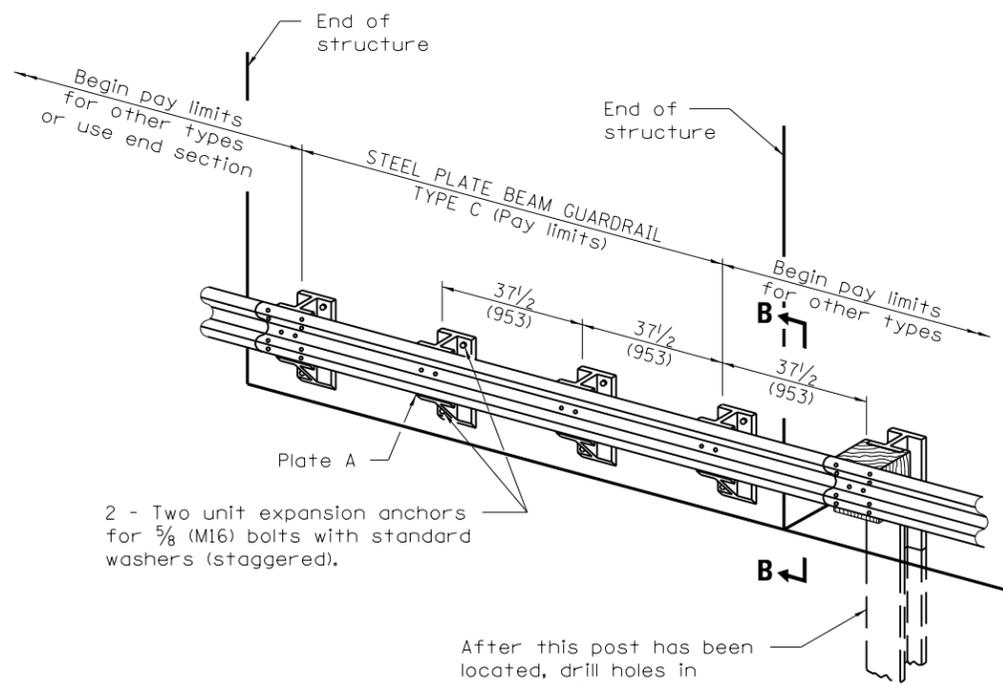
**SECTION A-A**



**ELEVATION**

**TYPE B**

37 1/2 (953) Closed post spacing

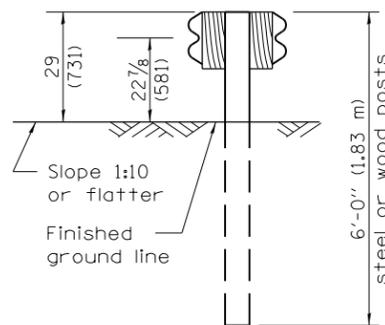


**TYPE C**

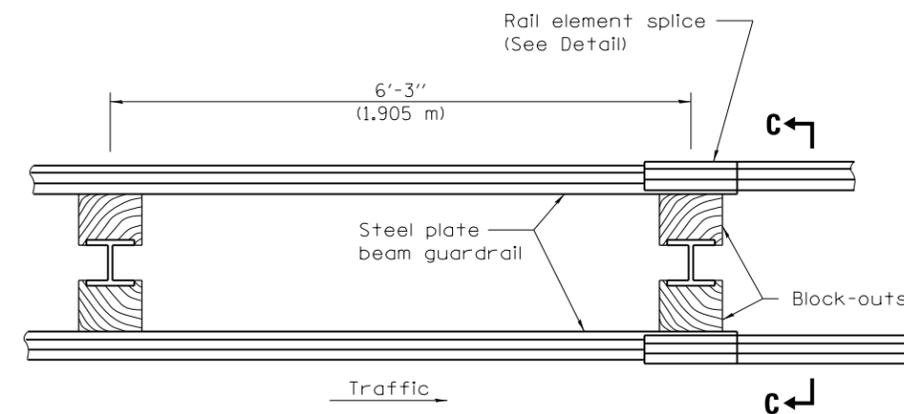
37 1/2 (953) Block-out spacing

2 - Two unit expansion anchors for 5/8 (M16) bolts with standard washers (staggered).

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



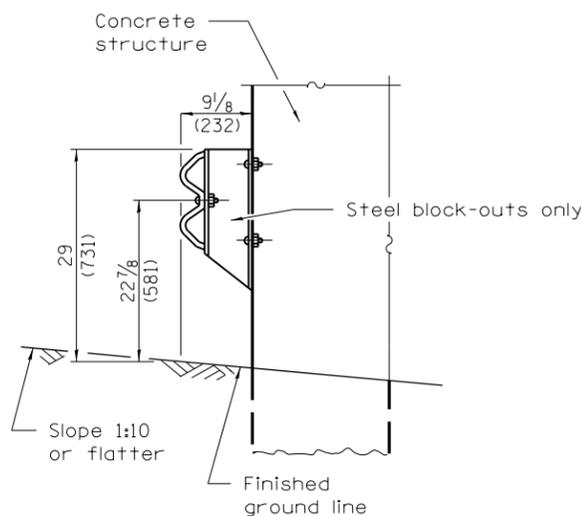
**SECTION C-C**



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

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

(Sheet 1 of 4)

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

Illinois Department of Transportation

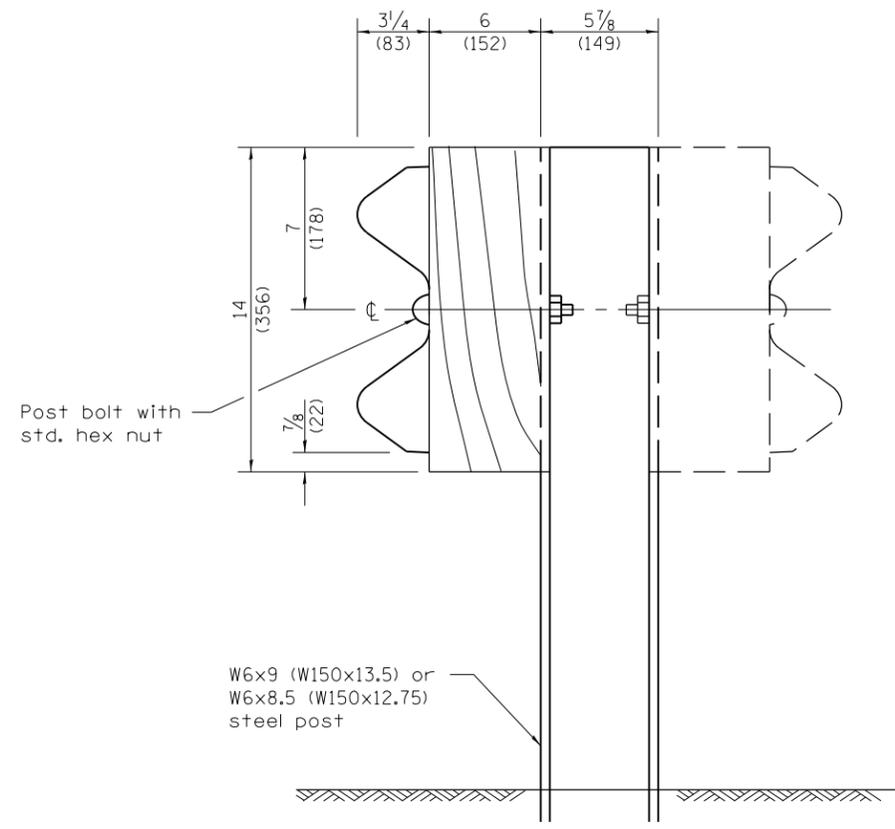
APPROVED January 1, 2012

*Donell Lewis*  
ENGINEER OF LOCAL ROADS AND STREETS

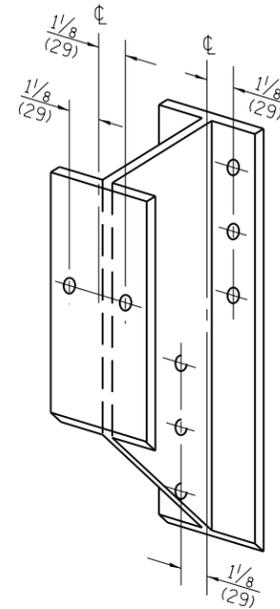
APPROVED January 1, 2012

*Scott Esch*  
ENGINEER OF DESIGN AND ENVIRONMENT

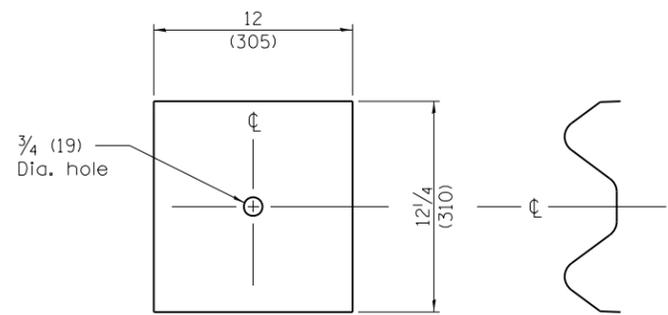
ISSUED 1-1-08



**STEEL POST CONSTRUCTION**

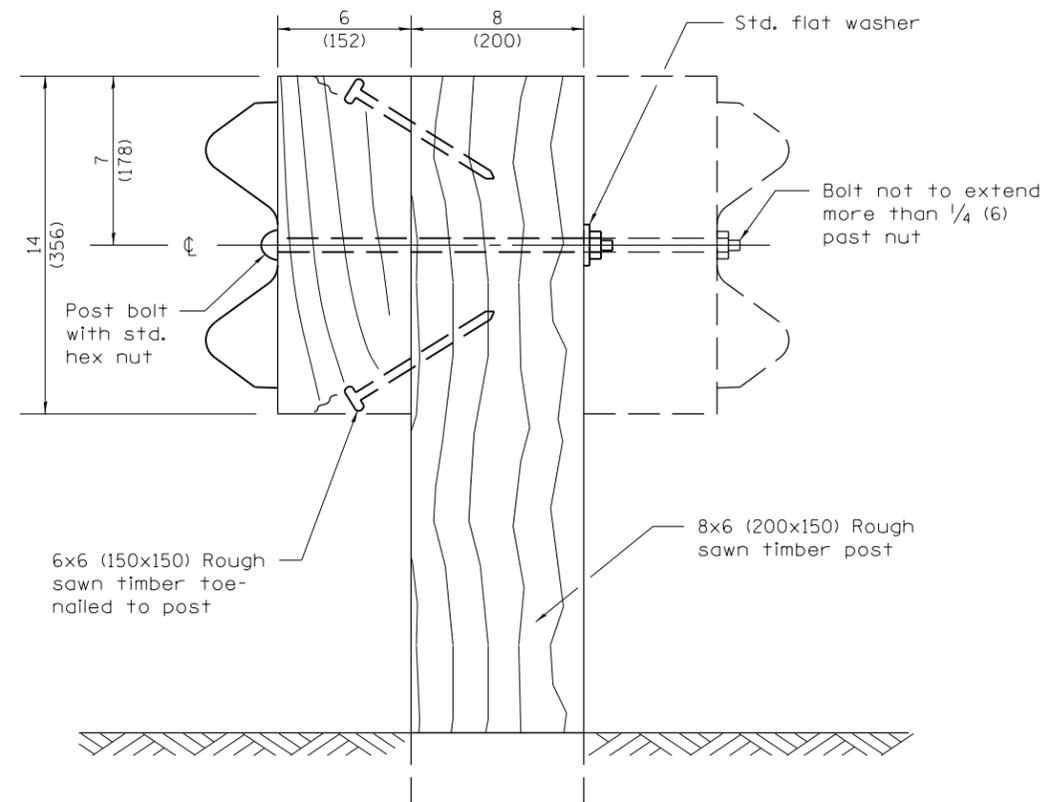


**STEEL BLOCK-OUT DETAIL**

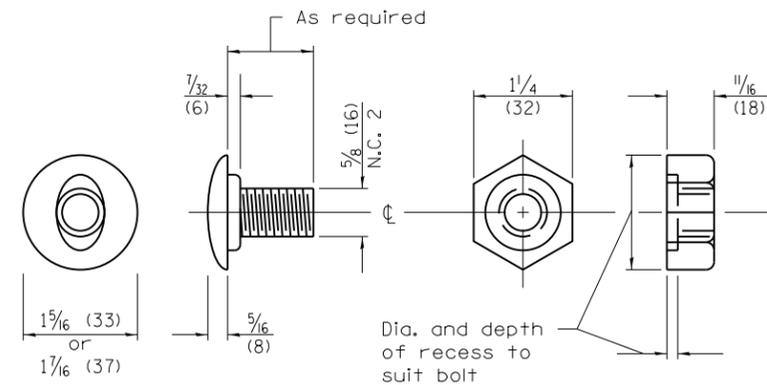


NOTE  
Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

**PLATE A**



**WOOD POST CONSTRUCTION**



**POST OR SPLICE BOLT & NUT**

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 APPROVED January 1, 2012  
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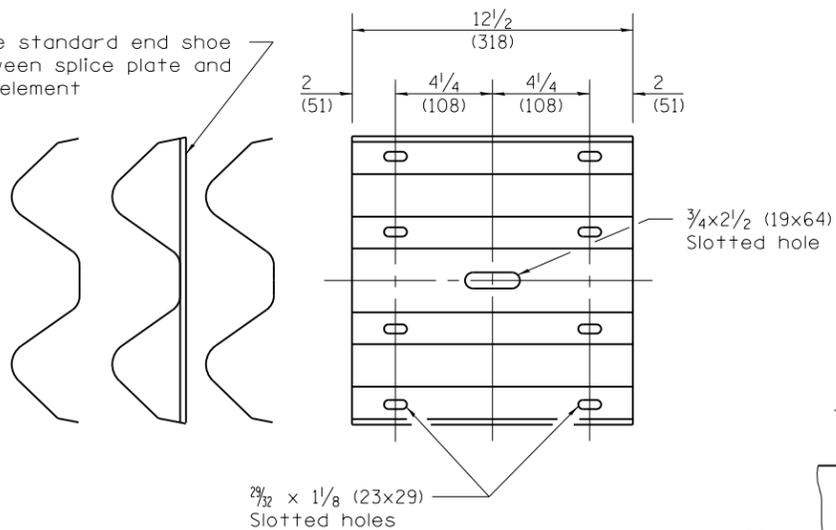
ISSUED 1-1-08

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

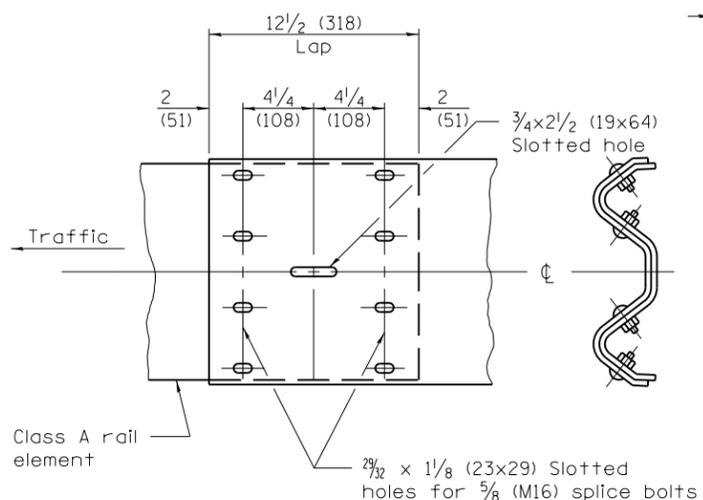
(Sheet 2 of 4)

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

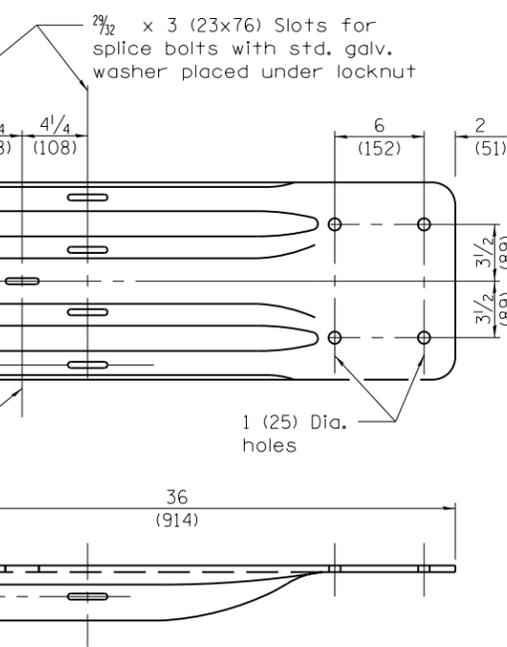
Place standard end shoe between splice plate and rail element



**SPLICE PLATE**



**RAIL ELEMENT SPLICE**



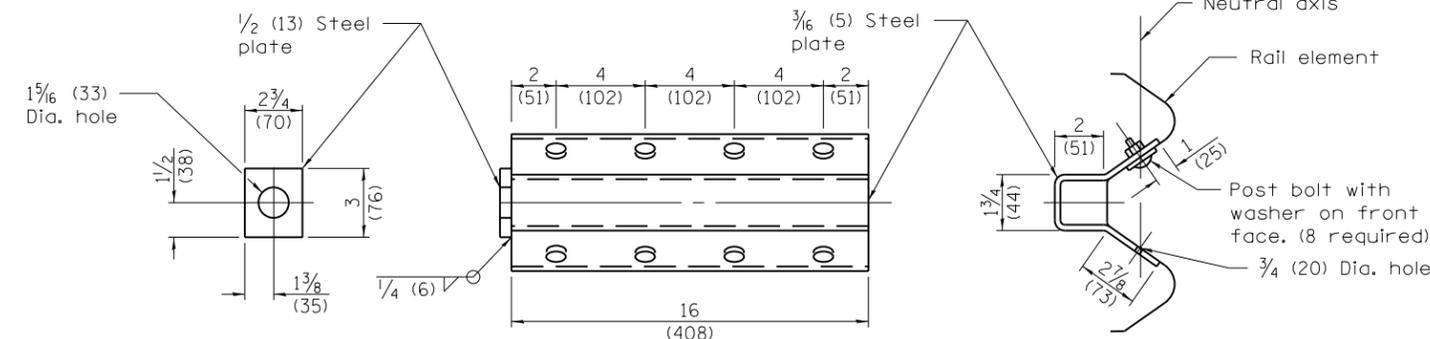
**END SECTION**

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.

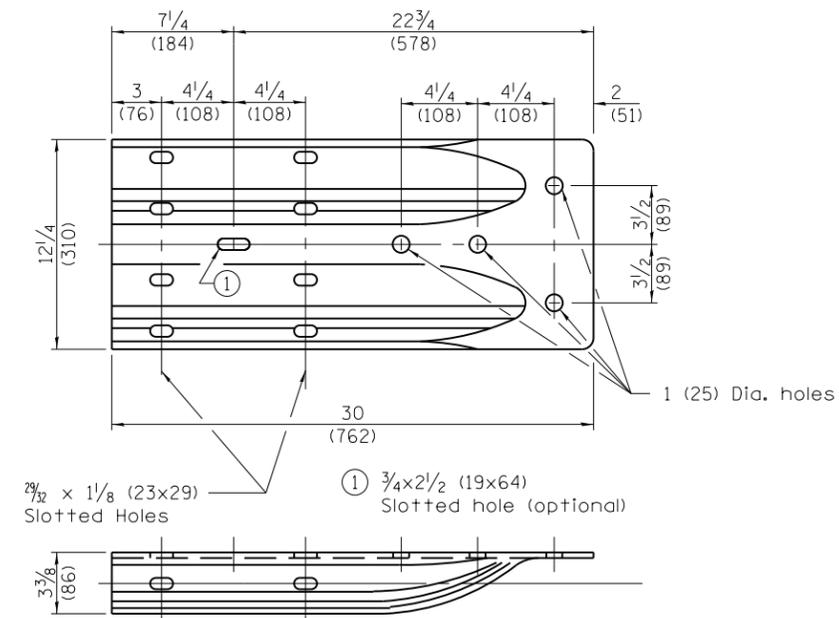
Externally threaded studs protruding from the surface of the concrete will not be permitted.

**END SHOE**



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

**ANCHOR PLATE T DETAILS**



**ALTERNATE END SHOE**

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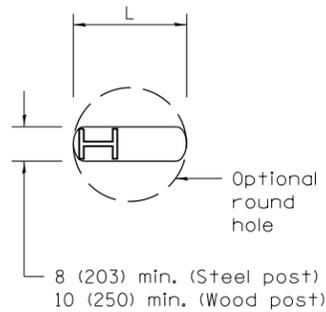
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ISSUED 1-1-08

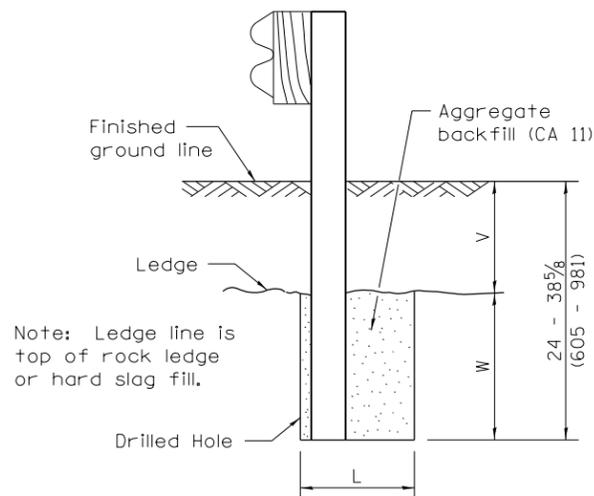
**STEEL PLATE BEAM GUARDRAIL**  
**29" (731mm) HEIGHT**

(Sheet 3 of 4)

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

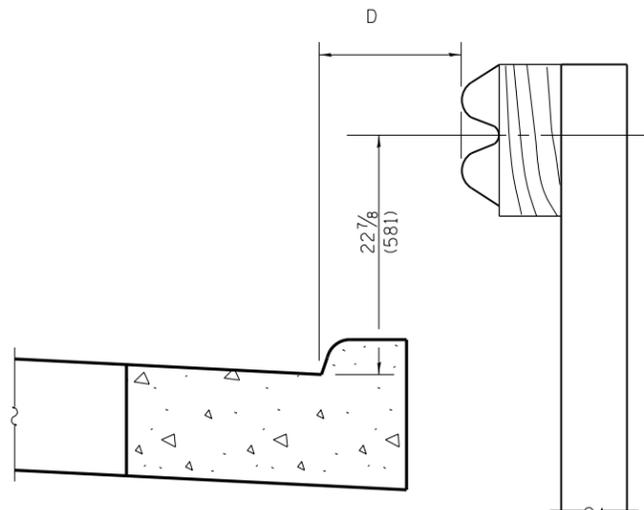


**PLAN**



**ELEVATION**

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

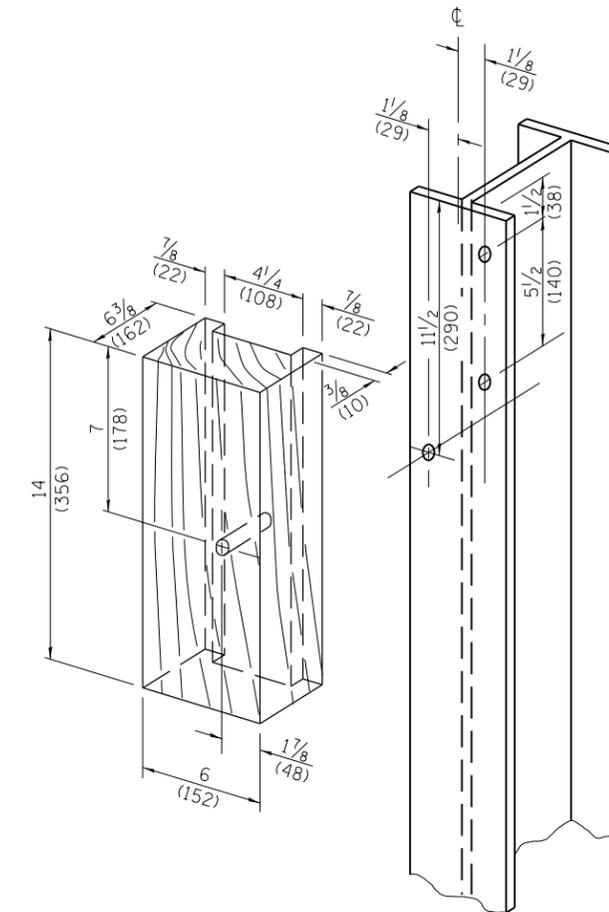


Note:  
If it is necessary for D to be more than 12 (300) and less than 10'-0" (3.0 m) Type M-2 (M-5) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

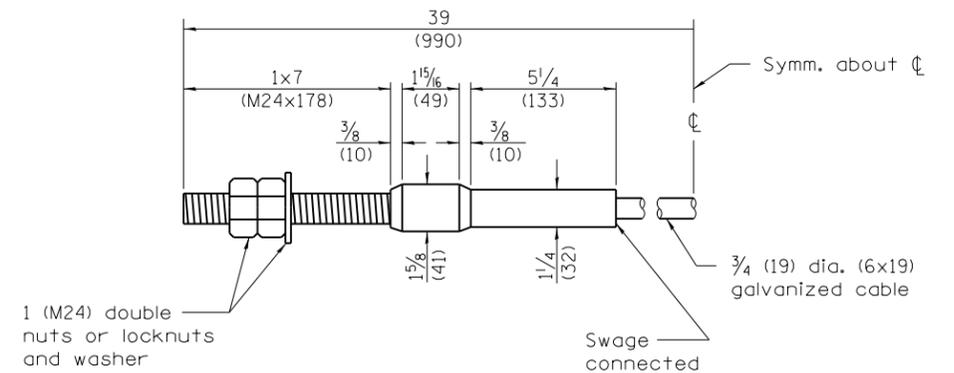
**GUARDRAIL PLACED BEHIND CURB**

(D = 0 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.

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

(Sheet 4 of 4)

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