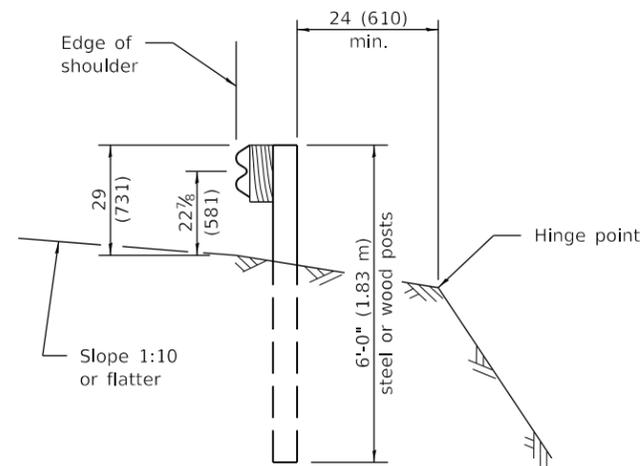


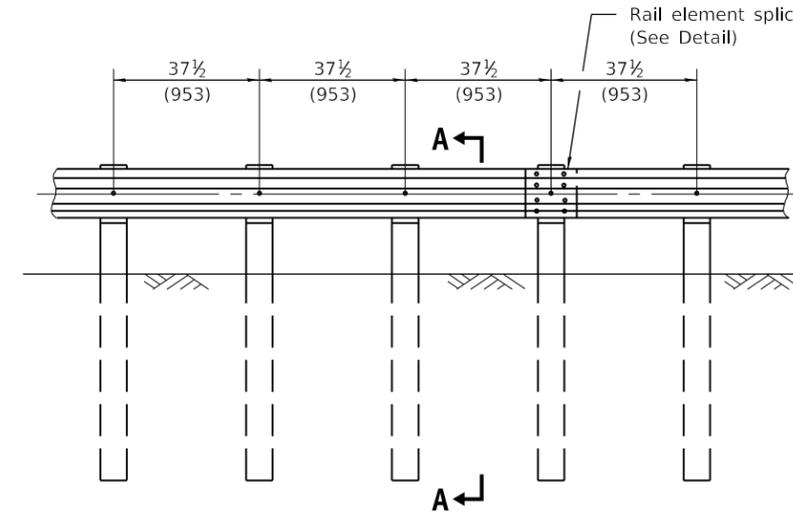
ELEVATION

TYPE A

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



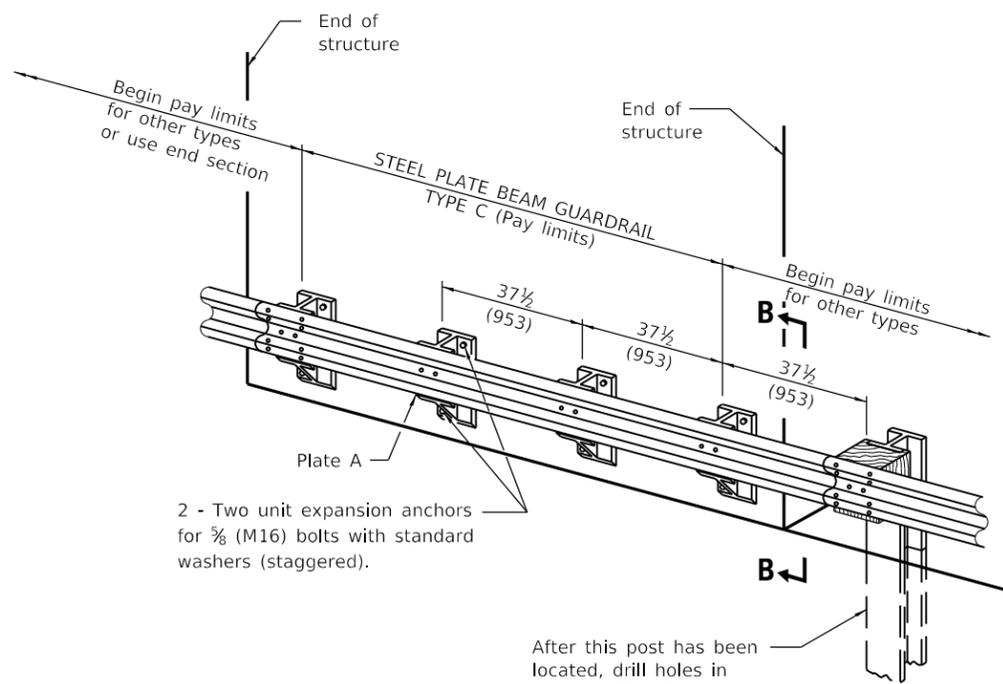
SECTION A-A



ELEVATION

TYPE B

37 1/2 (953) Closed post spacing

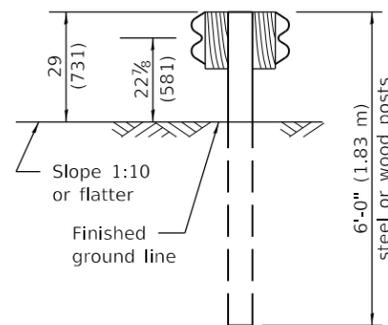


TYPE C

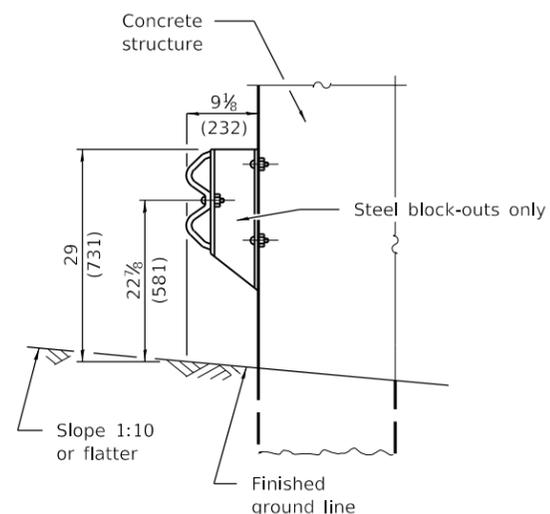
37 1/2 (953) Block-out spacing

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

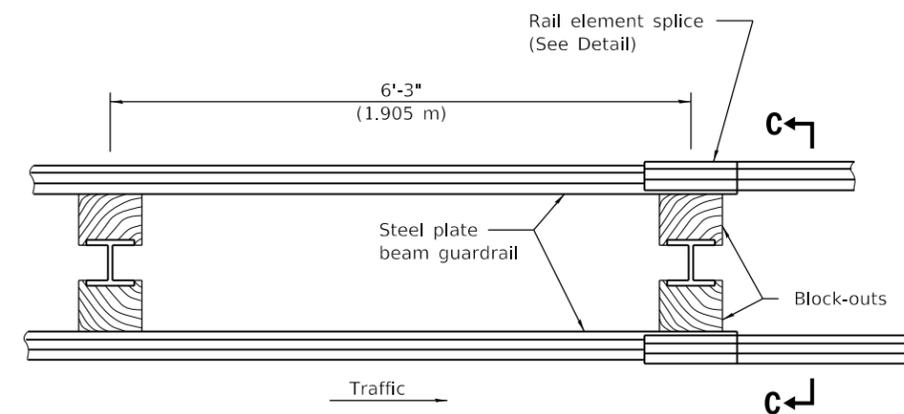
After this post has been located, drill holes in concrete for block-out attachments.



SECTION C-C



SECTION B-B



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.

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

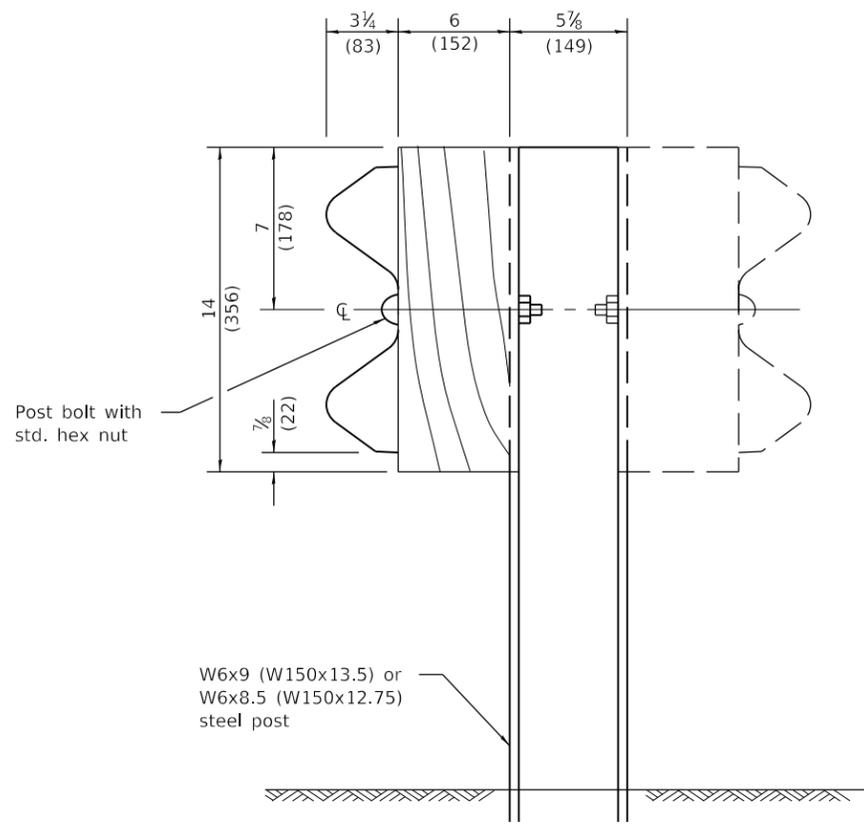
PASSED January 1, 2012

ENGINEER OF LOCAL ROADS AND STREETS

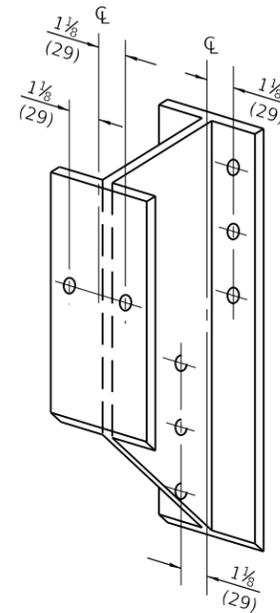
APPROVED January 1, 2012

ENGINEER OF DESIGN AND ENVIRONMENT

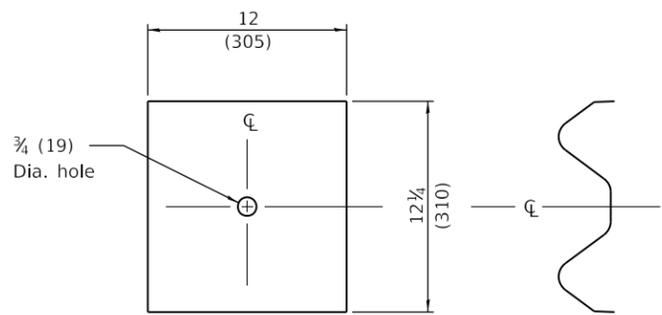
ISSUED 1-1-08



STEEL POST CONSTRUCTION

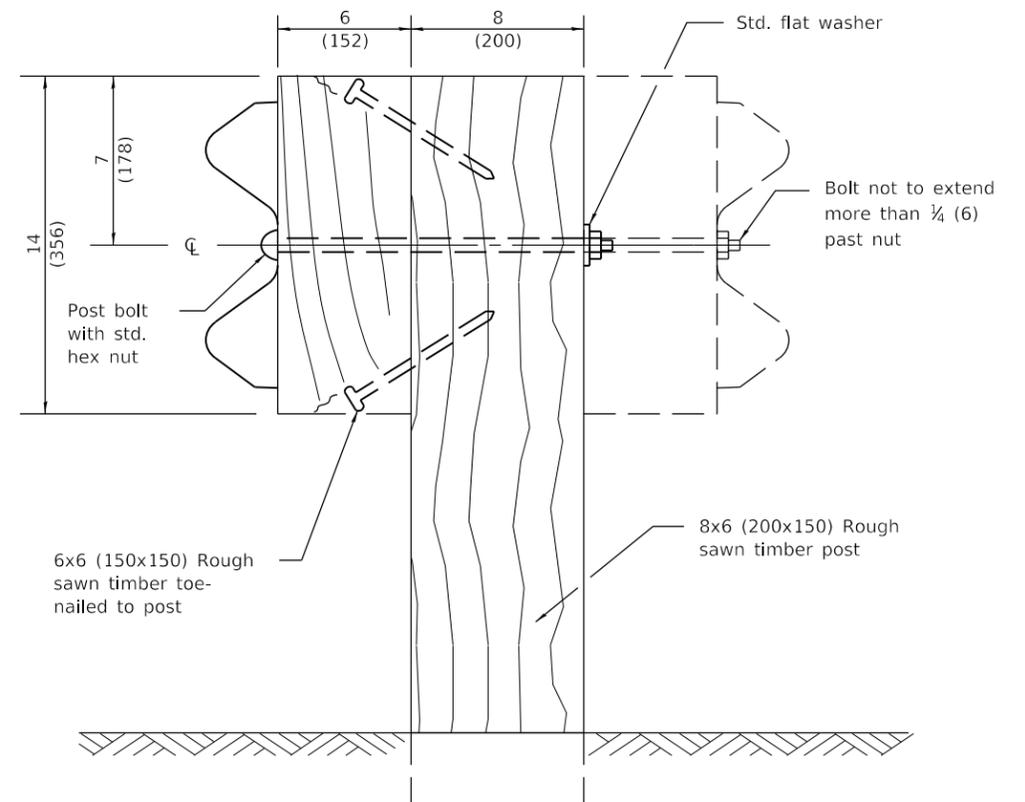


STEEL BLOCK-OUT DETAIL

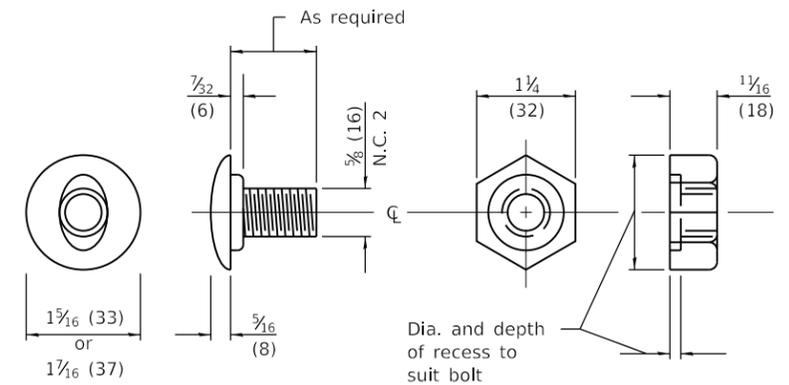


NOTE
Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



WOOD POST CONSTRUCTION



POST OR SPLICE BOLT & NUT

Illinois Department of Transportation

PASSED January 1, 2012

ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2012

ENGINEER OF DESIGN AND ENVIRONMENT

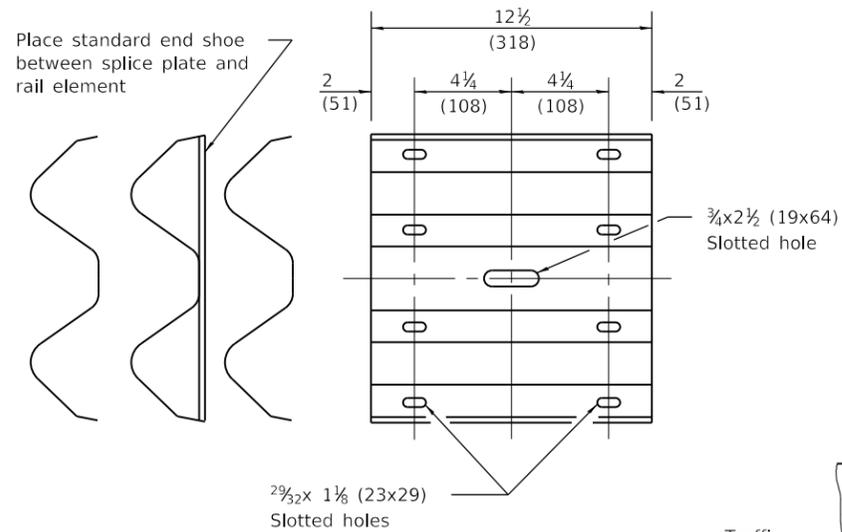
ISSUED 1-1-08

STEEL PLATE BEAM GUARDRAIL

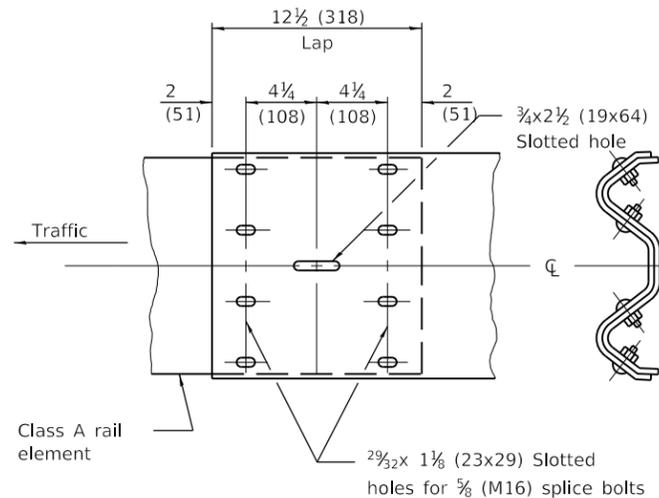
29" (731mm) HEIGHT

(Sheet 2 of 4)

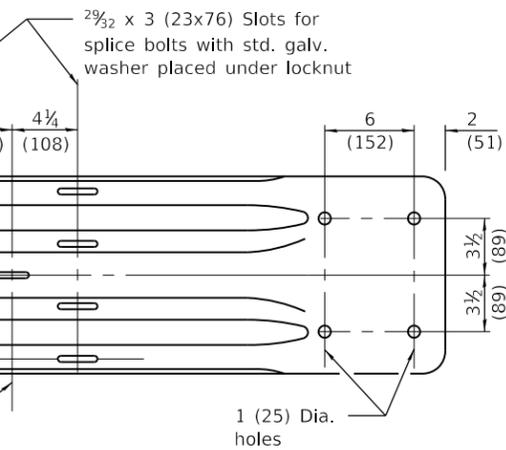
STANDARD B.L.R. 26-3



SPLICE PLATE



RAIL ELEMENT SPLICE

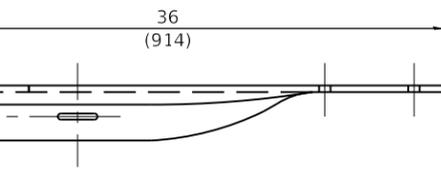


NOTE
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

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

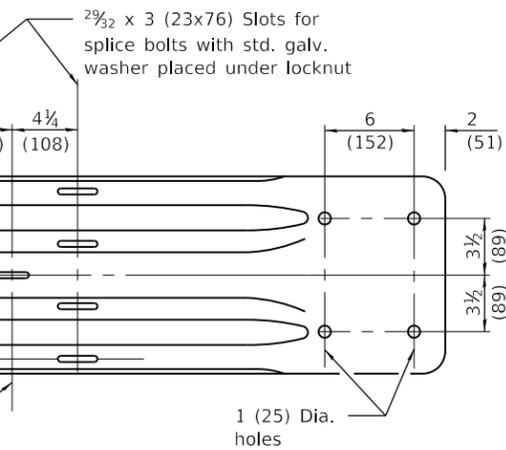


NOTE
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

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.

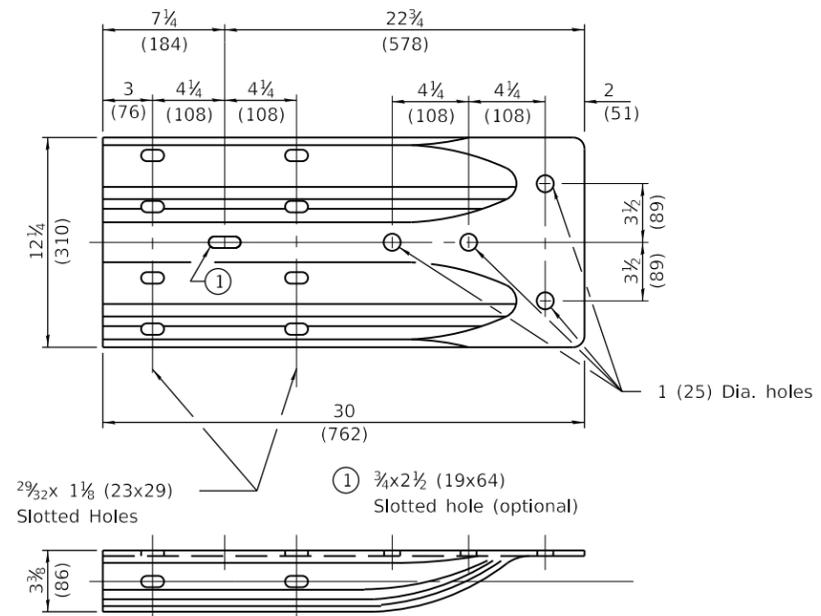
Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE

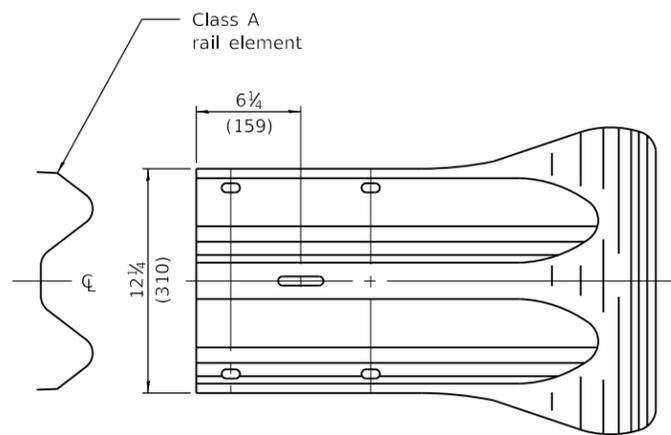
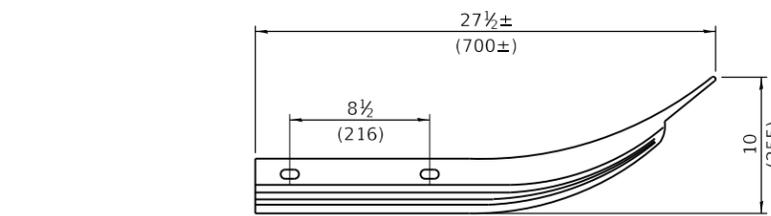


NOTE
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



ALTERNATE END SHOE



END SECTION

Illinois Department of Transportation

PASSED January 1, 2012

ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2012

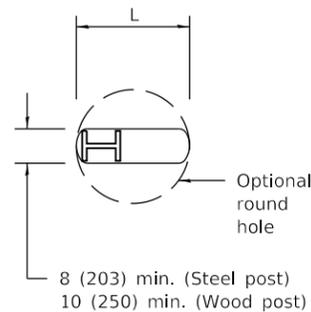
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-08

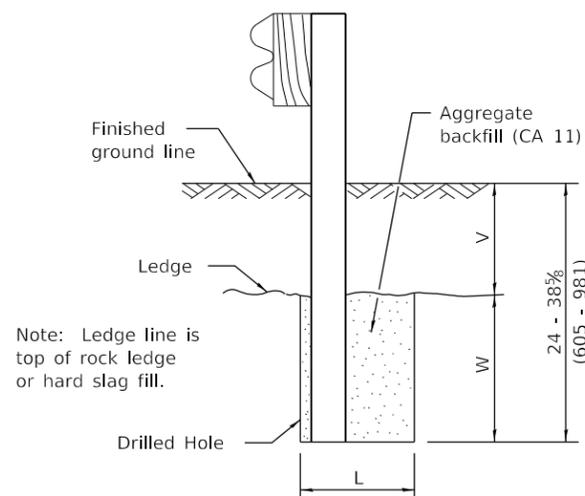
STEEL PLATE BEAM GUARDRAIL
29" (731mm) HEIGHT

(Sheet 3 of 4)

STANDARD B.L.R. 26-3

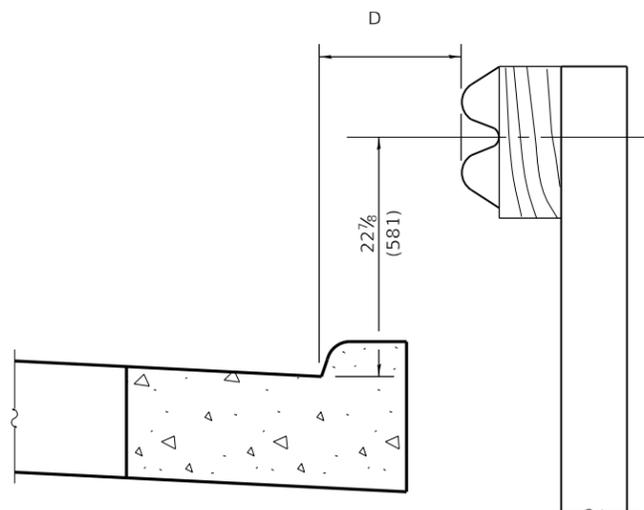


PLAN



ELEVATION

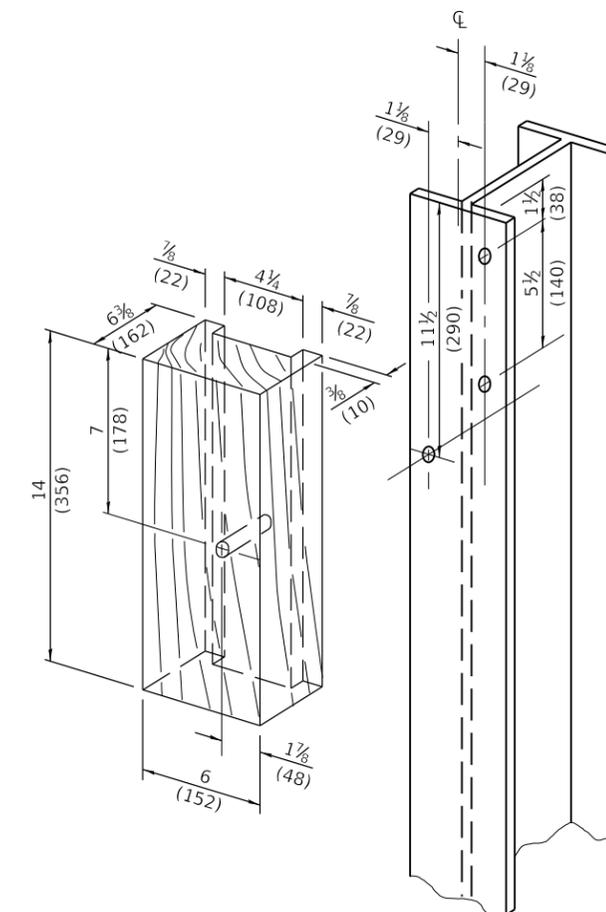
FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



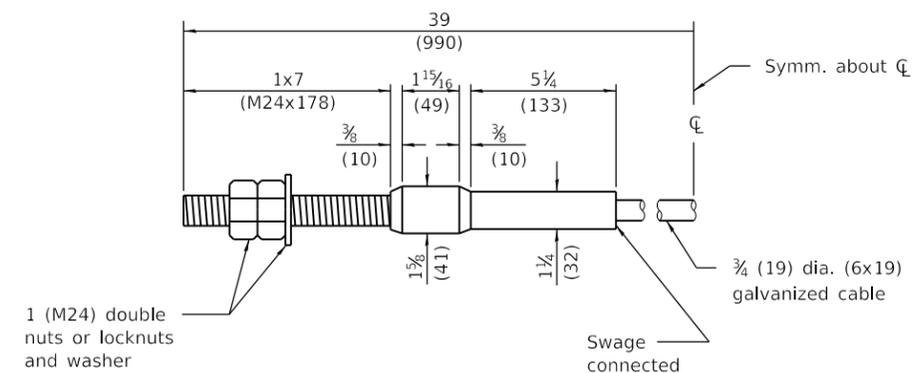
Note:
If it is necessary for D to be more than 12 (300) and less than 10'-0" (3.0 m) Type M-2 (M-5) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

**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.

Illinois Department of Transportation

PASSED January 1, 2012
Danell Lewis
ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2012
Scott Esdaile
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-08

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

(Sheet 4 of 4)

STANDARD B.L.R. 26-3