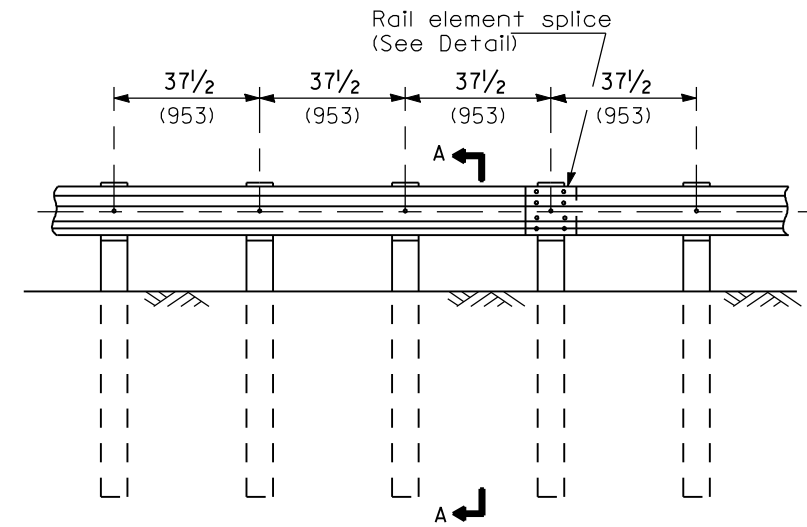


ELEVATION

TYPE A

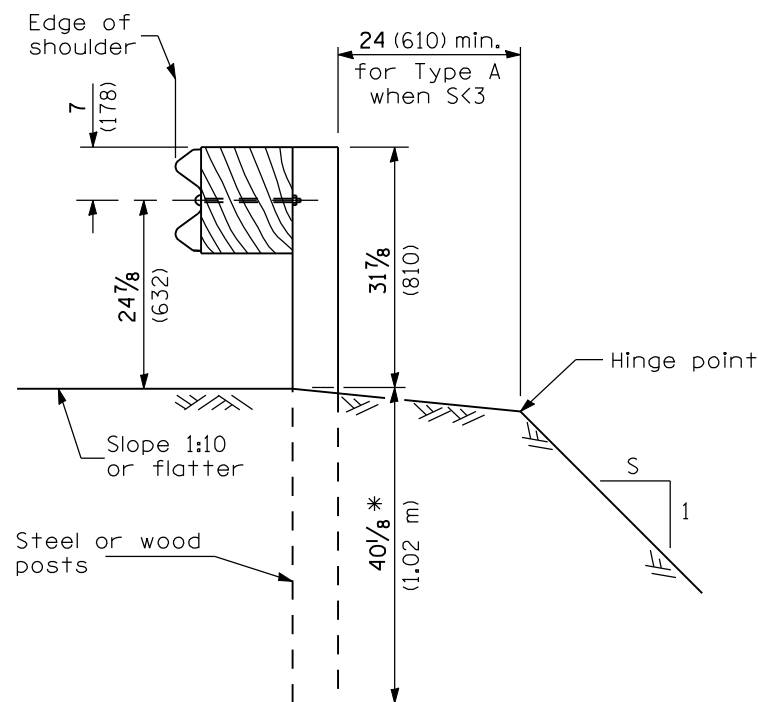
6'-3" (1.905 m) Typical post spacing



ELEVATION

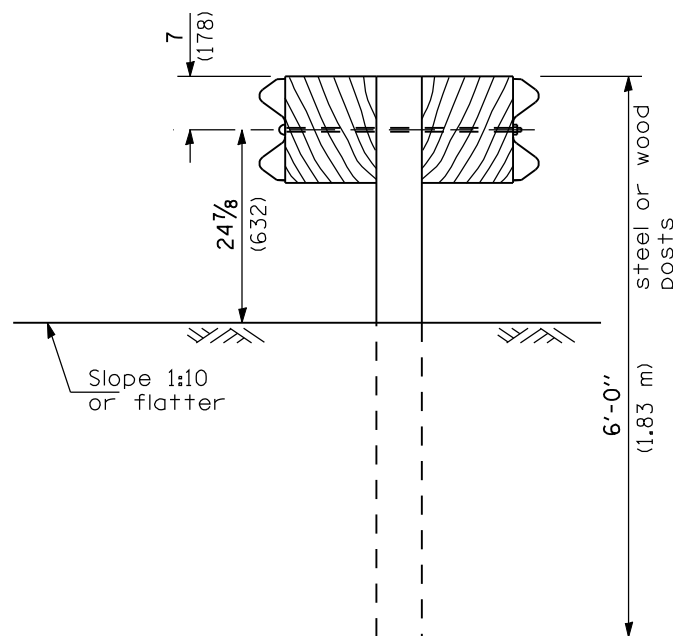
TYPE B

37 1/2 (953) Closed post spacing

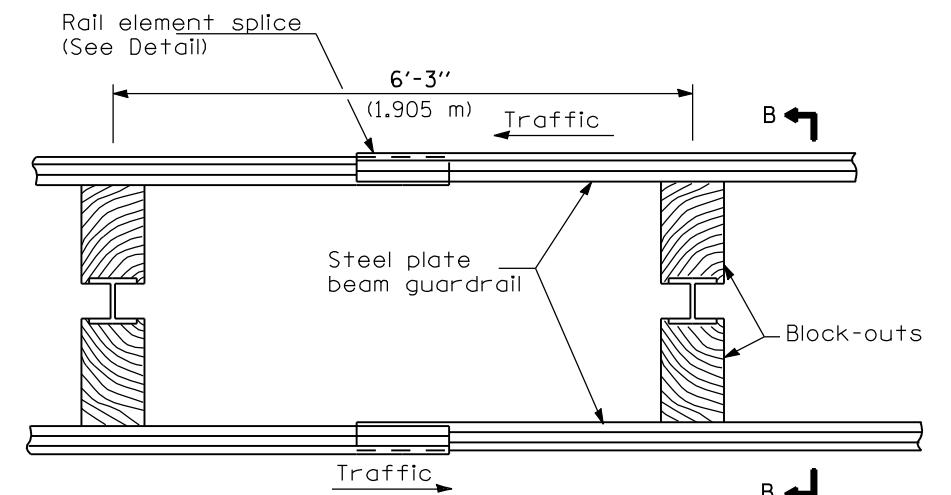


SECTION A-A

* When "S" is less than 3 and the distance from the back of post is less than 24 (610), the post embedment shall be 76 1/8 (1934).



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.

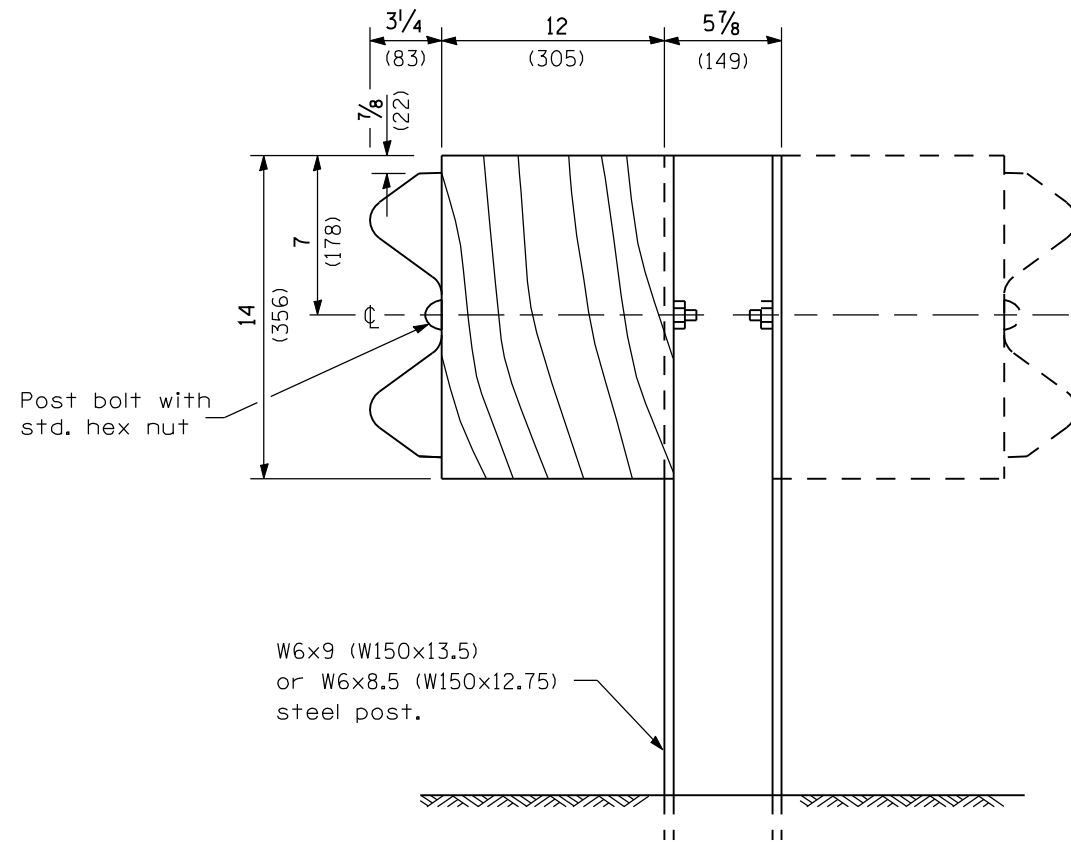
Illinois Department of Transportation	
PASSED <u>January 1, 2009</u> ENGINEER OF POLICY AND PROCEDURES APPROVED <u>January 1, 2009</u> ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-09

DATE	REVISIONS
1-1-09	Sw'd units to Eng. (met.) Mod. Steel Post Detail & G.R. Behind Curb Detail.
1-1-07	Changes adopted to implement the Midwest Guardrail System.

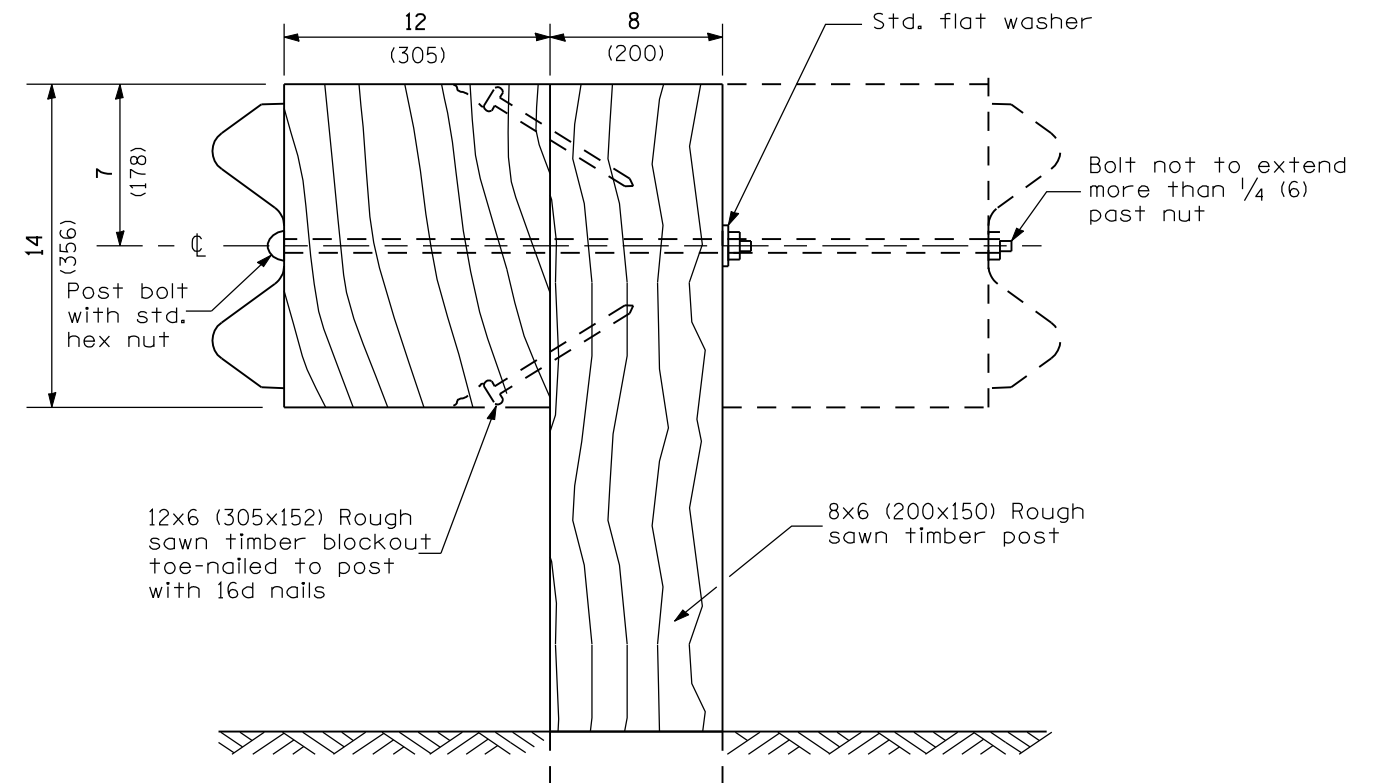
**STEEL PLATE BEAM
GUARDRAIL**

(Sheet 1 of 4)

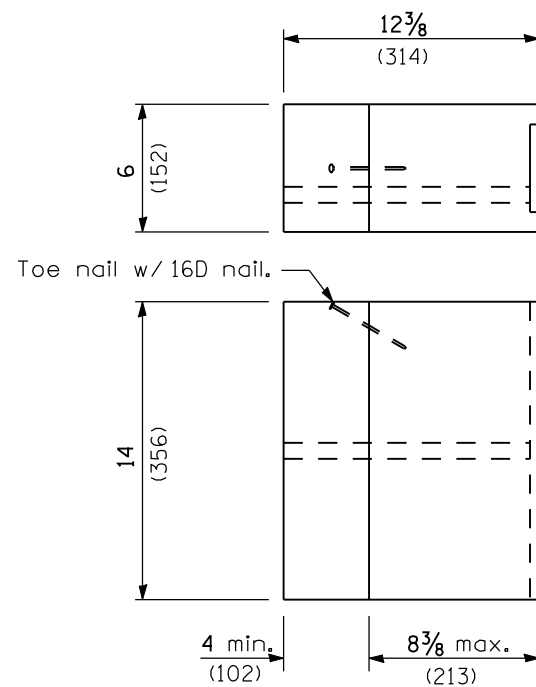
STANDARD 630001-08



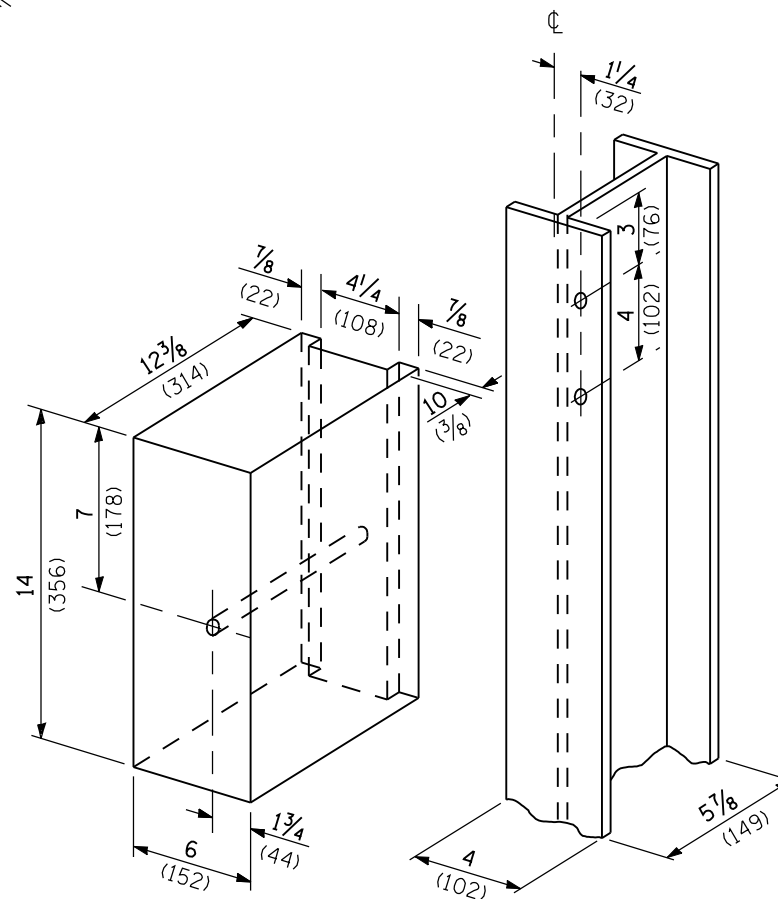
STEEL POST CONSTRUCTION



WOOD POST CONSTRUCTION

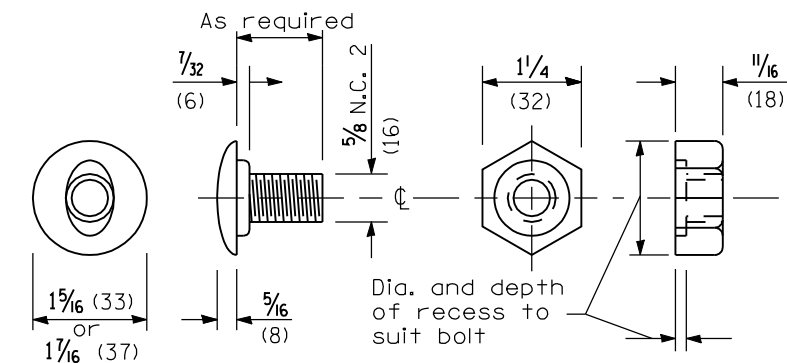


TWO-PIECE WOOD BLOCKOUT OPTION

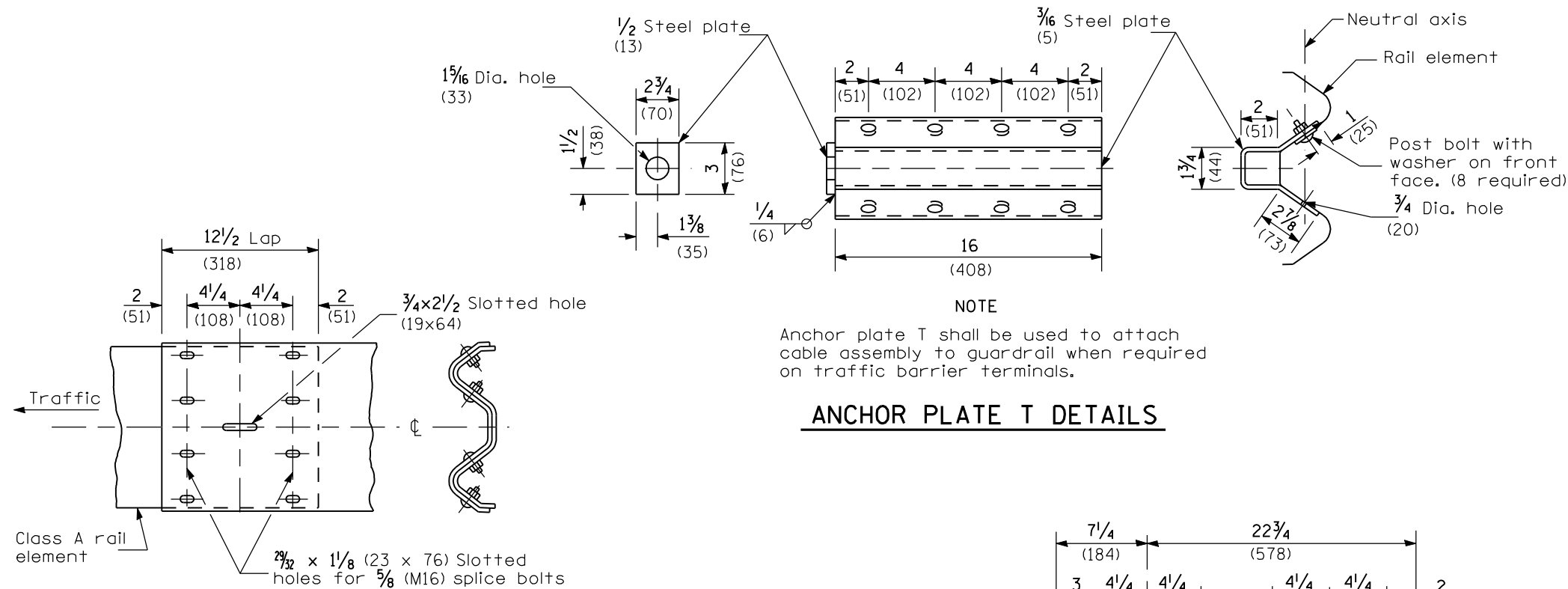


Note:
All holes 3/4 (20) dia.

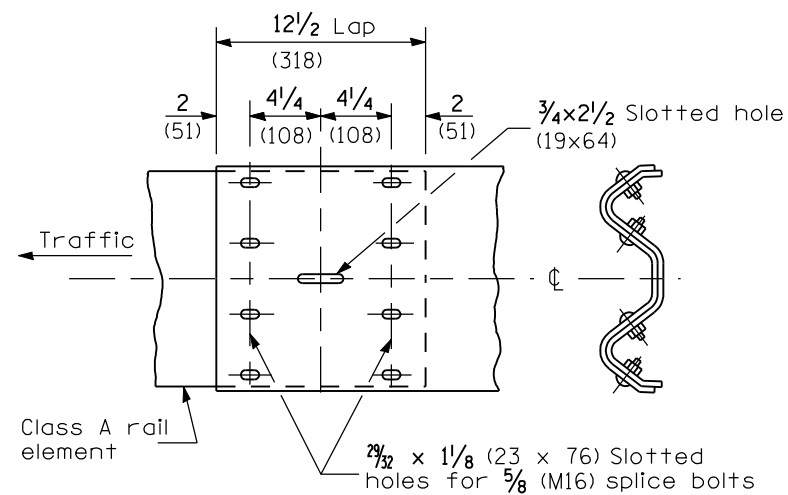
WOOD BLOCK-OUT AND STEEL POST DETAILS



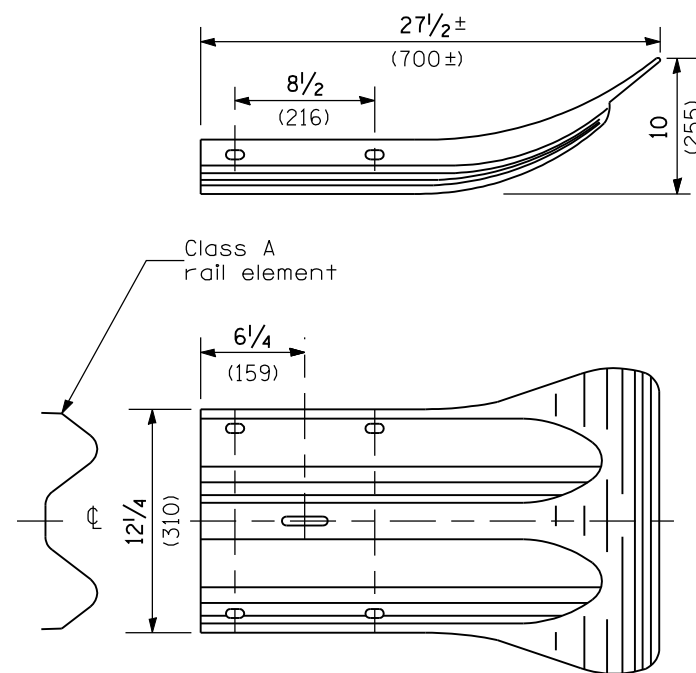
POST OR SPLICE BOLT & NUT



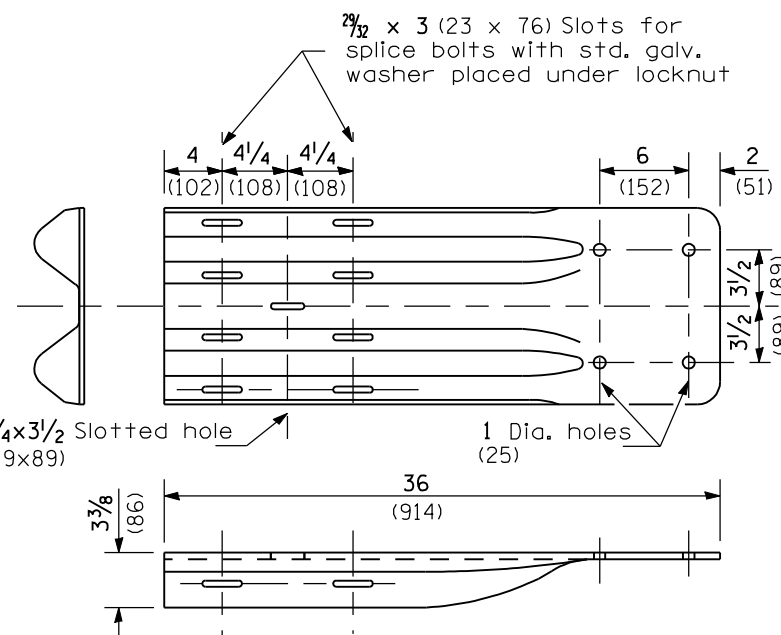
ANCHOR PLATE T DETAILS



RAIL ELEMENT SPLICE



END SECTION



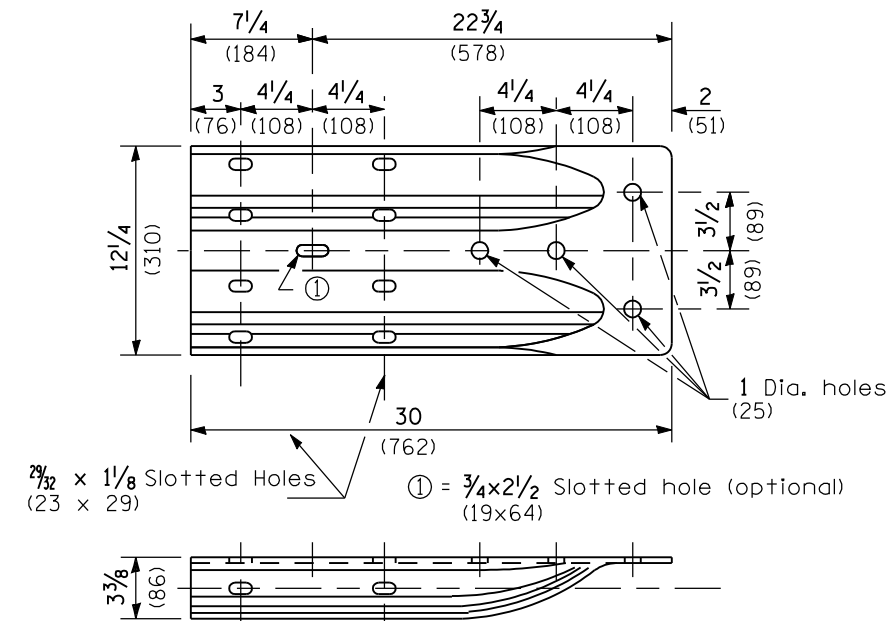
NOTE

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.

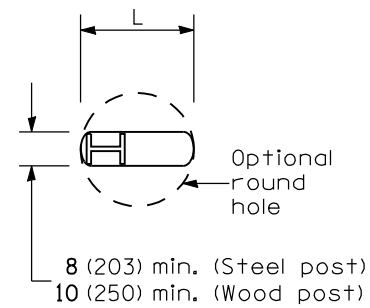
END SHOE



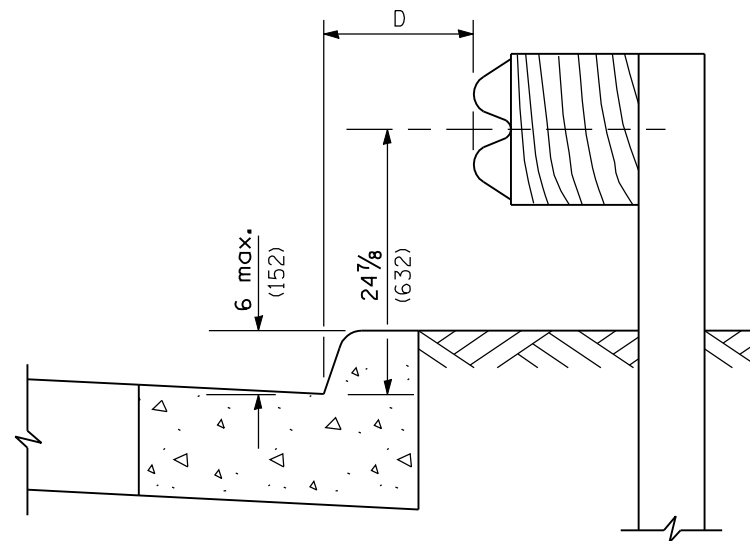
ALTERNATE END SHOE

Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT
 ISSUED 1-1-97

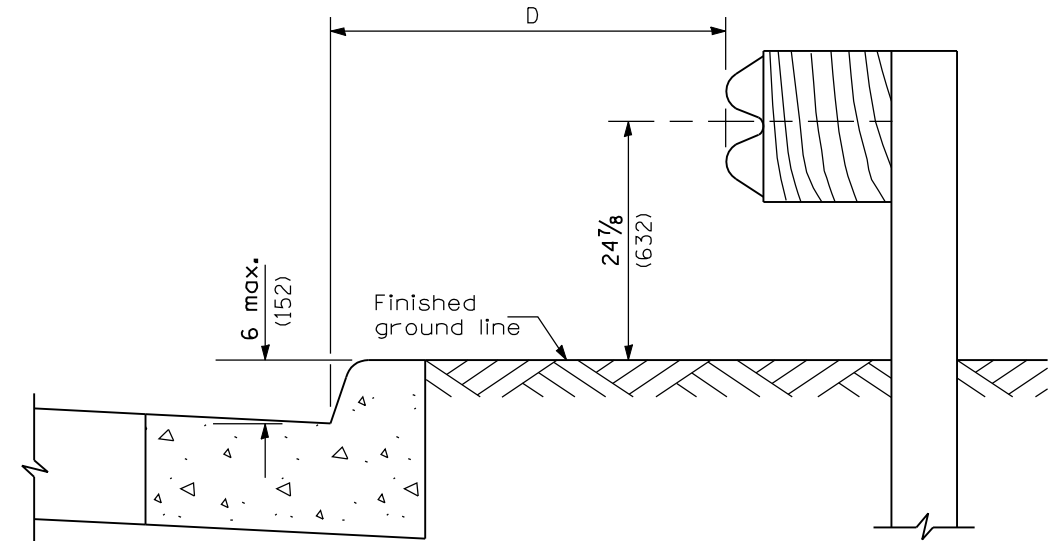
STEEL PLATE BEAM GUARDRAIL
 (Sheet 3 of 4)
STANDARD 630001-08



PLAN



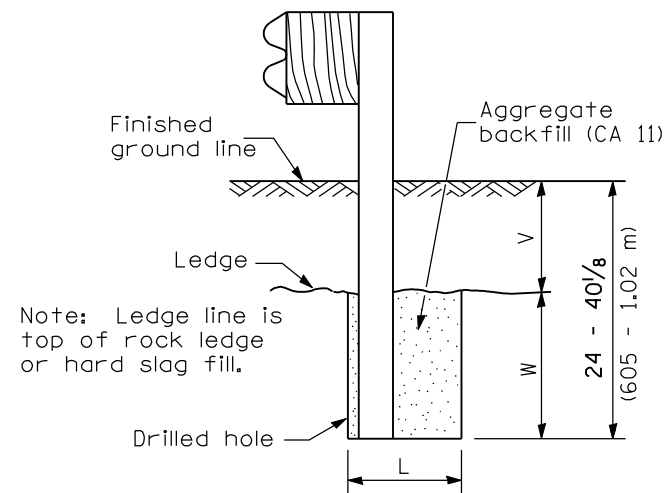
$0 \leq D < 4'-0'' (1.2 \text{ m})$



$4'-0'' (1.2 \text{ m}) \leq D \leq 8'-0'' (2.4 \text{ m})$

GUARDRAIL PLACED BEHIND CURB

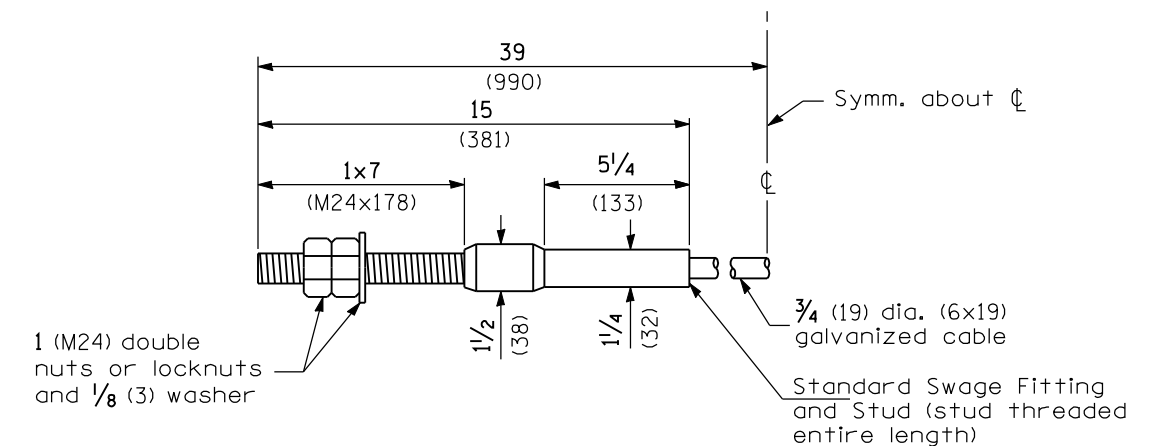
Note: The preferred dimension of D is 6 (152).



ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

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 - 40 1/8 (> 714 - 1.02 m)	12 - 0 (305 - 0)	8 (203)	10 (250)



CABLE ASSEMBLY

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

Illinois Department of Transportation

PASSED January 1, 2009

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

STEEL PLATE BEAM GUARDRAIL

(Sheet 4 of 4)

STANDARD 630001-08