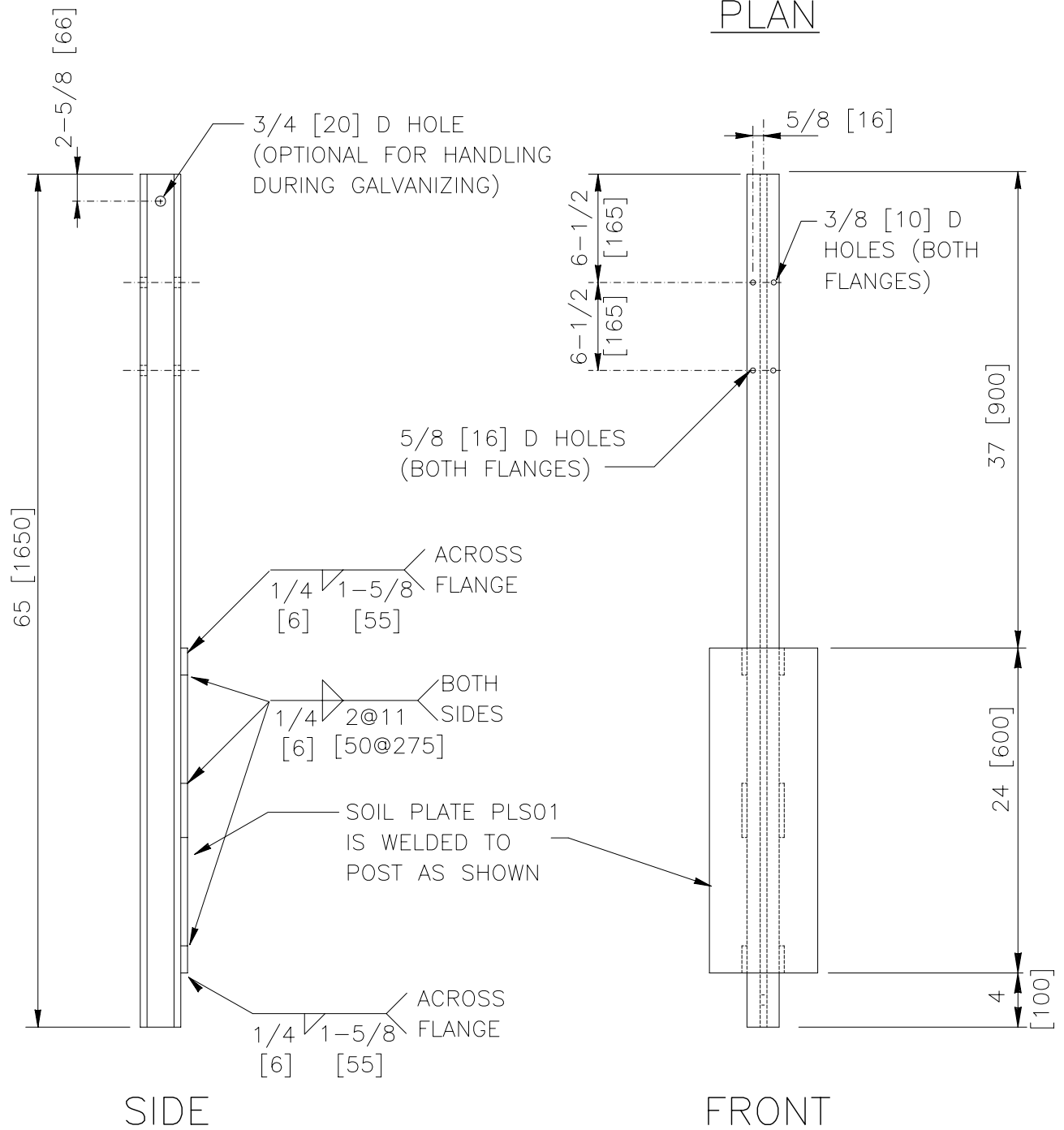


PLAN



1994

WEAK POST GUARDRAIL POST & WELDED SOIL PLATE

PSE03

SHEET NO.

1 of 2

DATE:

6/08/2005

SPECIFICATIONS

This post shall be manufactured using steel conforming to AASHTO M 183/M 183M (ASTM A 36/A 36M). The section shall be manufactured such that it conforms to the geometry and tolerances of AASHTO M 160/M 160M (ASTM A 6/A 6M) for a S3x5.7 [S75x8.5] S-section. After all punching, drilling, stamping and welding is complete, the section shall be galvanized according to AASHTO M 111 (ASTM A 123). If corrosion-resistant hardware is required, AASHTO M 222/ M 222M (ASTM A 588/A 588M) steel shall be used and the embedded portion of the post shall be galvanized according to AASHTO M 111 (ASTM A 123). All holes shall be punched through both flanges (in-line). All welding shall conform to ANSI/AASHTO/AWS D1.5.

Designator	Area (in ²) [10 ³ mm ²]	I _x (in ⁴) [10 ⁶ mm ⁴]	I _y (in ⁴) [10 ⁶ mm ⁴]	S _x (in ³) [10 ³ mm ³]	S _y (in ³) [10 ³ mm ³]
PSE03	1.67 [1.1]	2.52 [1.1]	0.455 [0.2]	1.68 [28]	0.39 [6]

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

This post is used in the SGR02 weak-post guardrail system and the SGM02 weak-post median barrier. The RWM02a W-beam guardrail is bolted to this post using a 1.5-inch [40 mm] long FBX08a bolt and two nuts with two FWR01 square washers and one round washer, and a FBX14a support bolt with two nuts.

WEAK-POST GUARDRAIL POST & WELDED SOIL PLATE

PSE03

SHEET NO.

DATE

2 of 2

7/13/2005