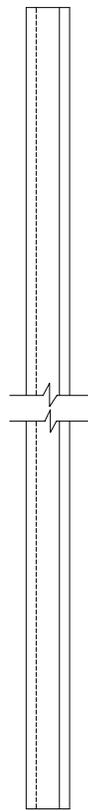
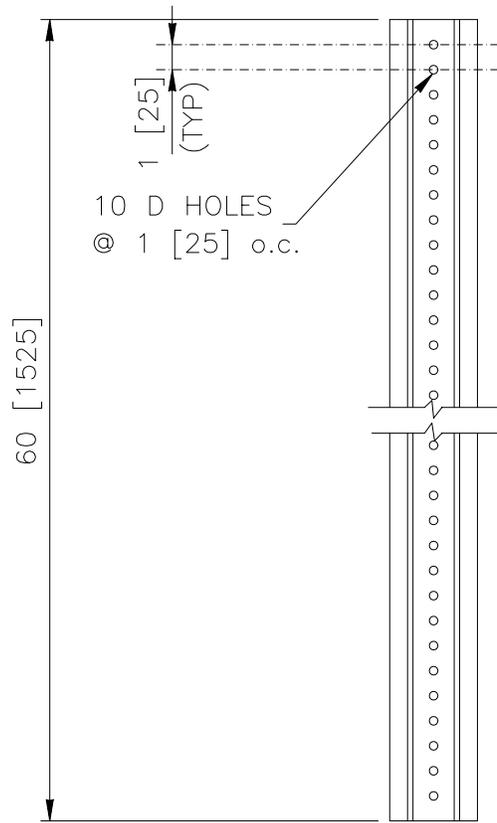


PLAN



SIDE



FRONT

1994

FLANGED-CHANNEL POST

PFE01

SHEET NO.

DATE:

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04/21/05

SPECIFICATIONS

The 6-lb/ft [9-kg/m] flanged-channel post shall be manufactured using re-rolled rail steel conforming to ASTM A 499, Grade 60 (60.2 ksi [415 MPa]). Post shall be galvanized according to AASHTO M 111 (ASTM A 123) or painted.

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]
PFE01	1.24 [0.8]	0.48 [0.2]	1.20 [0.5]	0.56 [9.2]	0.69 [11.3]

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

The flanged-channel post is used in the SGR01b cable guardrail system. The trapezoidal soil plate PLS02 shall be attached to the post using two 2.5-inch [65-mm] long FBX08a bolts and nuts. Three RCM01 cables shall be attached to the posts using three FBH01 or FBH04 hook bolts. It has also been used experimentally in the SGR02a guardrail.

FLANGED-CHANNEL POST

PFE01

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