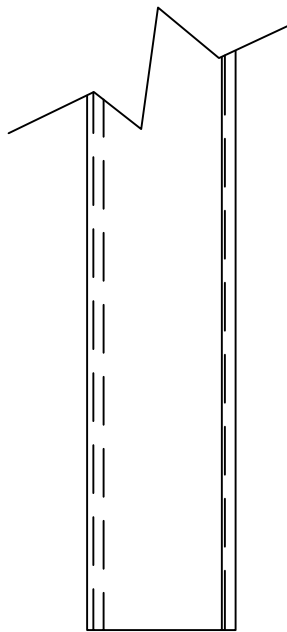
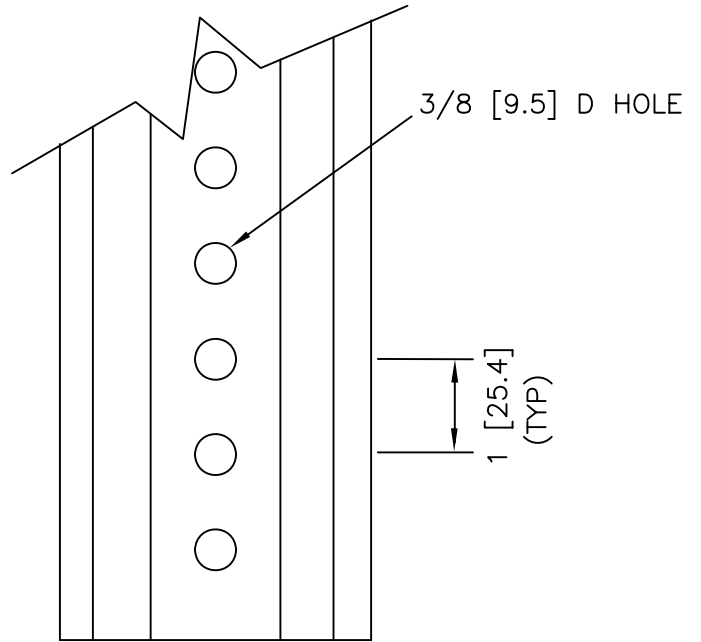


TOP



SIDE



FRONT

DESIGNATOR	MASS*		DIMENSIONS*							
	lb/ft	kg/m	A		B		C		D	
PFP41	1.33	1.98	7/8	22.1	2 1/4	57.2	7/8	22.1	3/8	9.7

\* ±5%

BEND-BAK U-CHANNEL POSTS

**NUCOR**  
 BAR MILL GROUP  
 NUCOR STEEL MARION, INC.

PFP41a-b

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### SPECIFICATIONS

Posts shall be a uniform, modified, flanged channel section. Nucor Steel Marion Inc Bend-Bak or Standard Delineator Posts shall be fabricated from hot rolled carbon steel bars conforming to the requirements of Nucor Steel Marion Inc. Grade SP-80 (PFP41a) or ASTM Grade A-36 (PFP41b). The cast heat analysis of the steel shall conform to the following requirements:

SP-80		A-36	
Yield (min)	552 MPa	Yield (min)	250 MPa
<u>Element</u>	<u>Composition (%)</u>	<u>Element</u>	<u>Composition (%)</u>
Carbon	0.67 - 0.82	Carbon	0.26
Manganese	0.70 - 1.10	Copper	0.2
Phosphorus (max)	0.04	Manganese	0.75
Sulphur (max)	0.05	Phosphorus (max)	0.04
Silicon	0.10 - 0.25	Sulphur (max)	0.05

Posts shall be machine straightened to have a smooth uniform finish, free from defects affecting their strength, durability, or appearance. All holes and rough edges shall be free from burrs. The permissible tolerance for straightness shall be 1/4 [6.35] in 60 [1524]. Posts shall be punched with continuous 1/4 [6] or 3/8 [9.5] or 7/16 [10] D holes on 1 [25.4] centers for the entire length of the post. The first hole shall be 1 [25.4] from the top of the post. After fabrication, posts shall be polyester powder coated or galvanized. Galvanizing shall be in accordance with the requirements of ASTM A123.

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. All section properties are calculated based with a 3/8 [9.5] hole.

Post Designator	Area (in <sup>2</sup>  mm <sup>2</sup> )	I <sub>x</sub> (in <sup>4</sup>  mm <sup>4</sup> x 10 <sup>3</sup> )	I <sub>y</sub> (in <sup>4</sup>  mm <sup>4</sup> x 10 <sup>3</sup> )	S <sub>x</sub> (in <sup>3</sup>  mm <sup>3</sup> )	S <sub>y</sub> (in <sup>3</sup>  mm <sup>3</sup> )
PFP41	0.33 [213]	0.03 [12.5]	0.15 [62.4]	0.06 [983]	0.13 [2130]

### APPROVALS

FHWA Acceptance Letter [SS-42](#), 11/10/1993

### CONTACT INFORMATION

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 (800) 333-4011  
 (740) 383-6429 Fax  
 www.nsmarion.com

*\* All Nucor Steel Marion Inc. products are produced from 100% recycled steel.*



## U-CHANNEL DELINEATOR POST

<b>PFP41a-b</b>		
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