

SIGN POST: PWF21a-25a

BASE POST: PWF21b-25b

DESIGNATOR	POST	L
PWF21a-b	S3X5.7 [S75X8]	40 [995]
PWF22a-b	W6X12 [W150X18]	50 [1280]
PWF23a-b	W8X24 [W200X36]	75 [1885]
PWF24a-b	W10X33 [W250X49]	100 [2490]
PWF25a-b	W12X45 [W310X67]	100 [2490]

INCLINED WIDE FLANGE BASE & SIGN POST

PWF21a-25b

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SPECIFICATIONS

Inclined wide flange sign and base posts shall be manufactured using AASHTO M183M (ASTM A36M) steel with dimensions that conform to the sizes given in AASHTO M160M (ASTM A6M). The base plate shall be manufactured from AASHTO M183M (ASTMA36M) steel plates. Two slipbase plates shall be welded, one each, to the sign and base posts (PWF21a-25a) using a fillet weld all around the structural shape profile. All welding shall conform to ANSI/AASHTO/AWS D1.5. After all welding is complete the base-plate/base-post assembly shall be zinc coated according to AASHTO M111 (ASTM A123).

Designator	Area (10 ³ mm ²)	I _x (10 ⁶ mm ⁴)	I _y (10 ⁶ mm ⁴)	S _x (10 ³ mm ³)	S _y (10 ³ mm ³)
PWF21a-b	1.8	1.1	0.2	27.6	6.4
PWF22a-b	2.3	9.2	1.3	120.0	24.7
PWF23a-b	4.6	34.4	7.6	342.0	92.6
PWF24a-b	6.3	113.0	38.8	893.0	306.0
PWF25a-b	8.5	145.0	20.7	948.0	203.0

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

Inclined wide flange sign and base posts are a component of the inclined rectangular unidirectional slipbase small sign support system (SSSO2a-b).

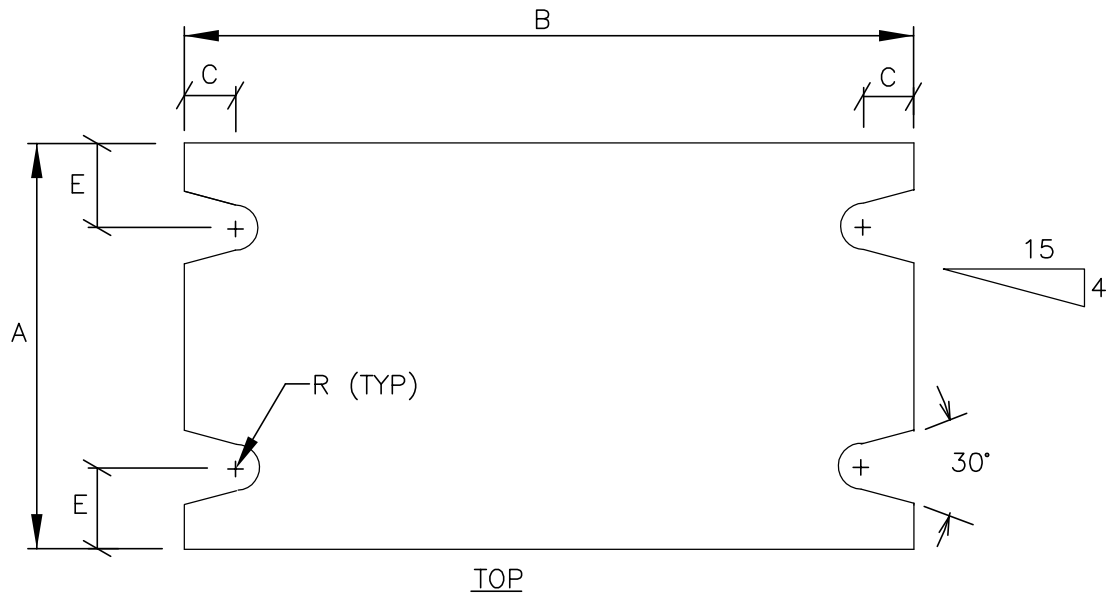
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ELEVATION

DETAIL A: SLIPBASE PLATE

DESIGNATOR	A	B	C	E	R	T
PWF21a-b	4 [100]	7 [180]	$\frac{3}{4}$ [20]	1 [25]	$\frac{1}{4}$ [7]	1 [25]
PWF22a-b	$4\frac{1}{64}$ [102]	10 [250]	$\frac{3}{4}$ [20]	$1\frac{1}{32}$ [26]	$\frac{3}{8}$ [9]	$1\frac{1}{2}$ [40]
PWF23a-b	$6\frac{1}{2}$ [166]	12 [320]	$\frac{7}{8}$ [22]	$16\frac{15}{16}$ [43]	$\frac{7}{16}$ [11]	$1\frac{3}{4}$ [45]
PWF24a-b	8 [202]	16 [400]	$1\frac{1}{4}$ [32]	$1\frac{5}{8}$ [41]	$\frac{9}{16}$ [14]	2 [50]
PWF25a-b	10 [254]	18 [450]	$1\frac{1}{4}$ [32]	2 [52]	$\frac{9}{16}$ [14]	2 [50]

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