

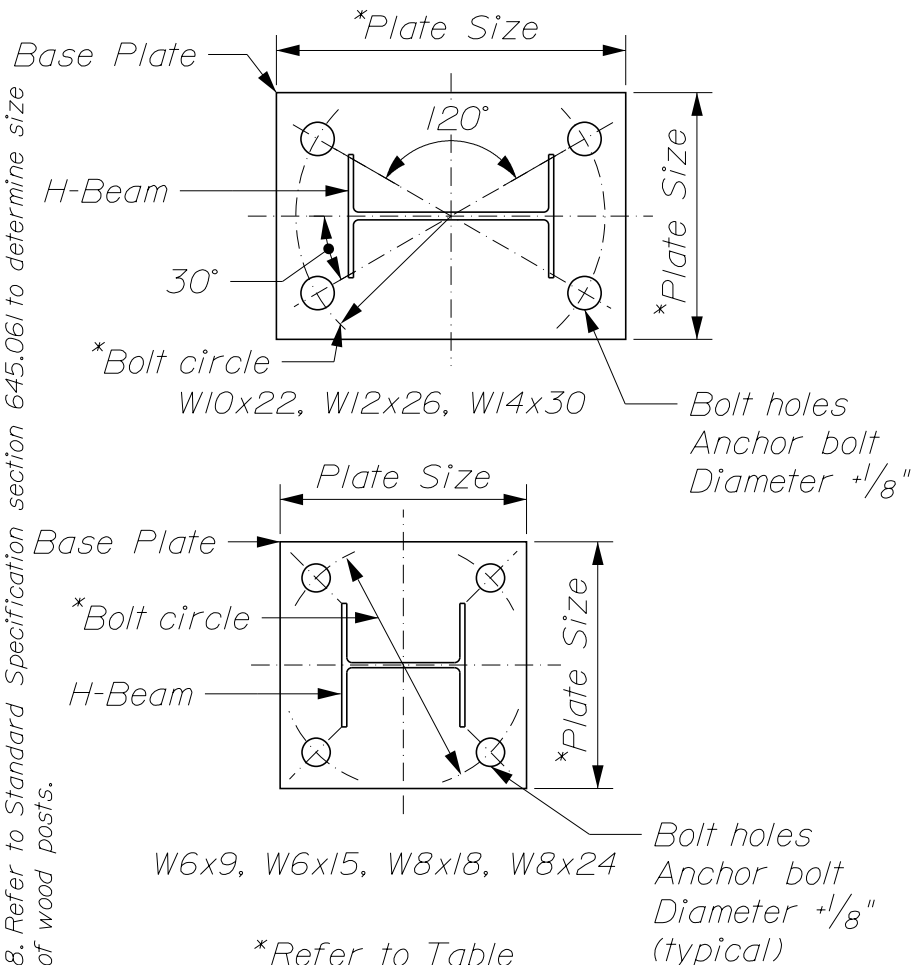
STANDARD H-BEAM POSTS for TYPE I SIGNS

SINGLE SUPPORT SIGNS								
Foundation Size	Sign Area (A)	Sign Width (W)	Post Size	Base Plate (1), (3)	Material	Anchor Bolts (2)	Bolt Circle	Maximum Mounting Height
N/A	0 - 10 ft ²	Use Wood Posts	See Note #8	N/A	A36	N/A	N/A	12 Ft to Center of Sign
1'-6"	10 < A ≤ 16 ft ²	W = 4'- 0" Max. But includes 5'- 0" Yield Sign	W6x9	12"x12"x1" 41 LB		1" DIA x 3'- 0"	12"	
1'-6"	16 < A ≤ 25 ft ²	W = 5'- 0" Max.	W6x15	12"x12"x1" 41 LB		1" DIA x 3'- 0"	12"	
2'-0"	25 < A ≤ 42 ft ²	W = 7'- 0" Max.	W8x24	14"x14"x1" 55 LB		1 1/4" DIA x 3'- 6"	14"	
MULTIPLE SUPPORT SIGNS								
2'-0"	To 60 ft ² /Post	Variable 	W8x18	14"x14"x1" 55 LB	A36	1 1/4" DIA x 3'- 6"	14"	20 Ft to Center of Sign
2'-0"	60 - 85 ft ² /Post		W10x22	12"x17"x1 1/4" 72LB		1 1/4" DIA x 3'- 6"	15"	
2'-6"	85 - 110 ft ² /Post		W12x26	13"x20"x1 1/4" 92 LB		1 1/2" DIA x 4'- 0"	18"	
2'-6"	110 - 135 ft ² /Post		W14x30	14"x21"x1 1/4" 104 LB		1 1/2" DIA x 4'- 0"	19"	

NOTES:

1. Bolts to be 50,000 PSI minimum yield strength.
2. Post to base plate weld shall be 5/16" fillet weld.
3. Base plates and H-Beams shall be hot dipped galvanized after fabrication in accordance with section 720.06.
4. Payment for the weight of base plate shall be incidental to Item No. 645.289.
5. Posts to be equipped with breakaway devices shall have holes drilled or punched before galvanizing. Posts equipped with breakaway devices shall have the post size die stamped, before galvanizing, near the bottom end of beam.
6. W - Shapes utilized with Breakaway Devices shall be in strict conformance with ASTM A6, Table 16, A, Depth.
7. Anchors for use with breakaway devices shall be set for the deepest potential W-Shape, depth +1/8". Gaps between the post (W-Shape) and the breakaway device shall be filled with galvanized shims that have the same area and hole pattern as the breakaway device. The maximum difference between the breakaway device opening and beam depth, including shims, is 1/16". Shims will be incidental to the breakaway device.
8. Refer to Standard Specification section 645.061 to determine size of wood posts.

~ ANCHOR BOLT LAYOUT ~



H-BEAM POSTS HIGHWAY SIGNING