



STEP 2: Determine the height 'H' from groundline for the individual sign or the cluster.

Assume: Bay County, Wind Speed = 130 mph, 'A' = 1 ft., 'B' = 7 ft.

Calculated:  $X'_{c} = -0.1 \text{ ft.}, Y'_{c} = -0.2 \text{ ft.}$ 

Since  $X'_c = -0.1 < 6''$ , it is not a cantilever sign, only dark-bold lines in the table will be referenced to.

 $'H' = 'A' + 'B' + 'C' = 10.26 \text{ ft.} ==> USE 11 \text{ ft.} \qquad \Sigma ('A_{n}') = 15.4 \text{ ft.}^2 ==> USE 16 \text{ ft.}^2$ 

STEP 3: Select the appropriate Aluminum Column (Post) Selection Tables by Wind Speed and find the intersection point. See Sheet 3.



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3	Column and Foundation Tables	
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TES:		
peed is determined l	by County (see WIND SPEEDS BY CO	UNTY)
area (single or clust	ter) is 30 sf.	
width (X) single or c	luster (including rotated sign panel:	s) is 60 inches.
Not required.		
Wind Beams and Co lates: ASTM B209, A ars and Extruded S tructural Shapes: A num: Alloy 356-T6 'eld Material: ER 55	olumn (Post) Materials: Noy 6061-T6 hapes: ASTM B221, Alloy 6061-T6 ASTM B308 Alloy 6061-T6 56	
Bolts (Screws), Nuts utton Head and Flat ex Nuts: ASTM F46 ashers: ASTM B221, Steel U-Bolts: ASTM Hex Nuts: ASTM A 5	and Washers: Head Bolts (Screws): ASTM F 468, Alloy 6061-T6 or 6262-T9 Alloy 7075-T6 A 307 Grade A 563	Alloy 2024-T4
Bolts, Nuts and Wa d flat head Bolts (S teel Bolts (Screws): teel Nuts: ASTM F59	nshers may be used in lieu of the An Gcrews) as follows: ASTM F 593 Alloy Group 2, Conditi 94	'uminum ion A, CW1 or SH1
ost) Bolts, Nuts and Bolts (Sleeve): ASTM olts (Sleeve): ASTM High Strength Hex Hex Nuts: ASTM F4. Washers: ASTM F4.	Washers: 1 A307 with Galvanized Hex Nuts an B221, Alloy 6061-T6 or 2024-T4 wit Head Bolts (BaseBolts): ASTM A325 563 Grade DH 36	d Washers 'n Hex Nuts and Washers. Type 1
asteners: Anodic coa gth Steel Bolts Nuts eel items (excluding aged galvanizing in	ating (0.0002 inches min.) and chrom and Washers: ASTM F2329 stainless steel): Hot-dip Galvanize accordance with Specification Secti	ate sealed - ASTM A123 on 562
	NOTE	S AND EXAMPLE

GENERAL NO

- 1. Design Wind Sp
- 2. Maximum sign a
- 3. Maximum sign w
- 4. Shop drawings:

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