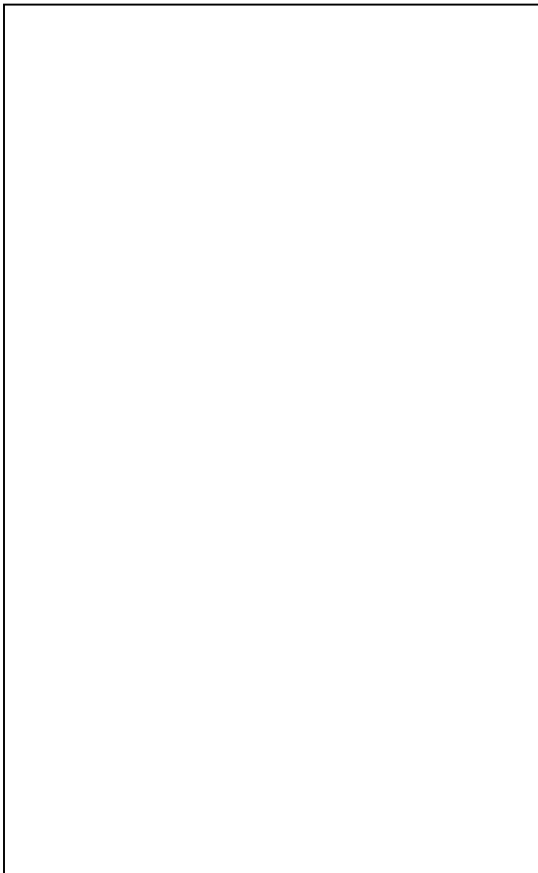


FREE STANDING SIGN



Sign Sketch

Calculation Factors

1. Height (**H**) _____ Width (**W**) _____ Area (**A**) _____
2. Design Wind Pressure (**PSF**)
Exposure **C** = _____ @ _____ Height above ground
P PSF (see below) _____ x (**A**) _____ = _____ Lbs.

Pressure (PSF)/Height Factor		
0-15 = 24.34	0-25 = 25.94	25-30 = 27.32
30-40 = 28.24	40-60 = 30.08	60-80 = 32.83

3. Height to center of windload (**H**) _____
4. Bending Moment (**M**) = (**P**) _____ x (**H**) _____
= (**M**) _____ Ft.Lbs.
5. Section Modulus (**Sx**)
(**Sx**) = $\frac{M \times 12}{1.33 \times 16 \times 1000}$ = _____ = _____

Sx Definitions:

12 - Factor to change to inches 1.33 - Windload factor (UBC)
16 - Steel Standard Factor 1000 - Factor (Engineering)

Standard Pipe

Pipe Size	Weight per ft.	Sect. Mod.
2"	3.652	.5606
3"	7.575	1.724
4"	10.790	3.214
6"	18.974	8.496
8"	23.554	16.81
10"	34.240	25.57
12"	43.773	38.97

Base Schedule

Pipe Size	Thickness	Measure-A/B	Measure-C
2"	.0154"	1'6"	2'
3"	.216"	1'6"	2'6"
4"	.0257	1'6"	3'
6"	.290"	3'	4'
8"	.277"	3'	5'
10"	.297"	3.5'	6'
12"	.330	4'	7'

A _____ x **B** _____ x **C** _____

