

Determine Foot Pounds of Torque Per Steel Foundation CHART

NOTE: Check with Local Building Code Agency and confirm with licensed professional engineer.

A	B	C	D	E	F	G	H	I	J
Line Item #		Description			Height		Wind Load x Width x Center Line of Height		Wind Load Per Height of Sign Over Turn Moment
1		Height in Feet	8.00		19.50		4,212.00		43,200.00
2		Width in Feet	12.00		18.50		3,996.00		38,988.00
3		Square Feet	96.00		17.50		3,780.00		34,992.00
4		Wind Load Per Square Foot in Pounds	18.00		16.50		3,564.00		31,212.00
5		Wind Load at the 1.0 Foot Line	216.00		15.50		3,348.00		27,648.00
6		Factor of Safety	2.00		14.50		3,132.00		24,300.00
7		Foot Pound Factor	7.50		13.50		2,916.00		21,168.00
8		Center Line of Sign to Center Line of Steel Foundations in Feet	1.50		12.50		2,700.00		18,252.00
9		Number of Steel Foundation to Offset Wind Load	2.00		11.50		2,484.00		15,552.00
10		Overall Wind Load from Chart in Pounds	6,912.00	J13	10.50		2,268.00		13,068.00
11		Overall Wind Load with Factor of Safety in Pounds	13,824.00		9.50		2,052.00		10,800.00
12		Calucation after Center Line Sign to Center Line of Steel Foundations in Pounds	9,216.00		8.50		1,836.00		8,748.00
13		Divided By Number of Foundations	4,608.00		7.50		1,620.00		6,912.00
14		Divided By Factor to Determine Foot Pounds Torque Per Steel Foundation	614.40		6.50		1,404.00		5,292.00
15		Soils Report "N" Value to Reach Foot Pound Goal	4.00		5.50		1,188.00		3,888.00
16					4.50		972.00		2,700.00
17					3.50		756.00		1,728.00
18					2.50		540.00		972.00
19					1.50		324.00		432.00
20					0.50		108.00		108.00