

**X827****Structural Steel Pipe Columns  
CAFCO BLAZE-SHIELD II, HP****Standard Weight Pipe Columns**

Nominal Dia.	Wall Thk	A/P	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
3	0.216	0.2	89 x 5.5	38.0	204.9	7/8	1-5/8	2-5/16	3-11/16	NR
4	0.237	0.22	102 x 6.0	45.0	173.0	13/16	1-7/16	2-1/16	3-3/8	NR
5	0.258	0.25	141 x 6.6	49.4	157.8	3/4	1-5/16	1-13/16	2-15/16	NR
6	0.28	0.27	168 x 7.1	53.8	144.8	11/16	1-3/16	1-11/16	2-3/4	3-3/4
8	0.322	0.31	219 x 8.2	59.0	132.0	9/16	1-1/16	1-1/2	2-3/8	3-5/16
10	0.365	0.35	273 x 9.3	70.7	110.1	1/2	15/16	1-5/16	2-1/8	2-15/16
12	0.375	0.36	324 x 9.5	73.0	106.7	1/2	7/8	1-5/16	2-1/16	2-13/16

**Extra Strong Pipe Columns**

Nominal Dia.	Wall Thk	A/P	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
3	0.3	0.27	89 x 7.6	51.3	151.8	11/16	1-3/16	1-11/16	2-3/4	3-3/4
4	0.337	0.31	102 x 8.6	62.0	125.6	9/16	1-1/16	1-1/2	2-3/8	3-5/16
5	0.375	0.35	141 x 9.5	70.2	111.0	1/2	15/16	1-5/16	2-1/8	2-15/16
6	0.432	0.4	168 x 11	81.0	96.2	7/16	13/16	1-3/16	1-7/8	2-9/16
8	0.5	0.47	219 x 12.7	94.5	82.4	3/8	11/16	1	1-9/16	2-3/16
10	0.5	0.48	273 x 12.7	95.6	81.4	3/8	11/16	1	1-9/16	2-1/8
12	0.5	0.48	324 x 12.7	96.4	80.8	3/8	11/16	1	1-9/16	2-1/8

**Double Extra Strong Pipe Columns**

Nominal Dia.	Wall Thk	A/P	Metric Desig.	M/D	Hp/A	1-Hour	1-1/2 Hour	2-Hour	3-Hour	4-Hour
3	0.6	0.5	89 x 15.2	95.0	82.0	3/8	11/16	15/16	1-1/2	2-1/16
4	0.674	0.57	102 x 17.1	114.0	68.3	3/8	9/16	13/16	1-5/16	1-13/16
5	0.75	0.65	141 x 19.1	130.3	59.8	3/8	1/2	3/4	1-3/16	1-9/16
6	0.864	0.75	168 x 21.9	150.7	51.7	3/8	7/16	5/8	1	1-3/8
8	0.875	0.79	219 x 22.2	157.7	49.4	3/8	7/16	5/8	15/16	1-5/16

Note: A/P Ratio based on Design Formula