

STRUCTURAL FIBERGLASS COLUMNS



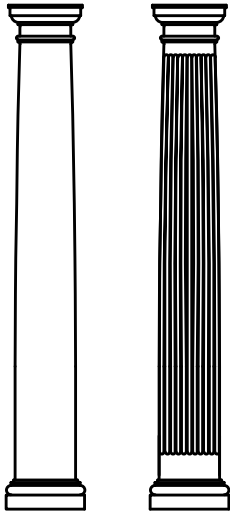
ARCHITECTURAL FIBERGLASS, INC.

8300 Bessemer Ave. * Cleveland, OH 44127-1839 * 216-641-8300 * Fax 216-641-8150 * www.fiberglass-afi.com

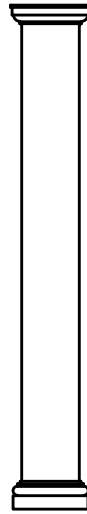
Structural Fiberglass Columns

Structural Fiberglass Columns are manufactured as structural columns and can be used as column covers. Structural Fiberglass Columns are manufactured with the same space age technologies used in the aerospace industry for rockets and missiles. Structural Fiberglass Columns are the most durable, ultra-lightweight, and have the greatest load bearing capacity of all the columns available. Structural Fiberglass Columns can be as little as 1/5 the weight of Polymer Composite Columns which makes them the most practical and economical for sizes larger than 14" in diameter and large fluted columns. Columns are manufactured in standard sizes that range from 14" to 36" diameters and heights in excess of 30'. They have load bearing capacities from 20,000 to 35,000 pounds. Columns can be manufactured tapered, straight, fluted, and with decorative capitals and bases. The column wall thickness, at only 5/32" to 7/32", can withstand side impact abuse because the glass fibers are wrapped in multiple directions. They can be factory split in halves and tabbed to wrap a structural post.

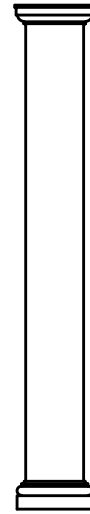
- Weatherproof
- Insect Free
- Low Maintenance
- Load Bearing
- Architecturally Correct



Smooth
Fluted
Round Tapered



Smooth
Round Non-Tapered



Smooth
Square Non-Tapered

COLUMNS

SHEET NO.

SC-01

2013

STRUCTURAL
FIBERGLASS
COLUMNS

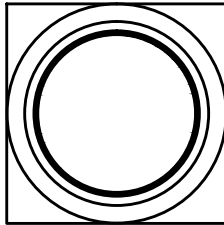


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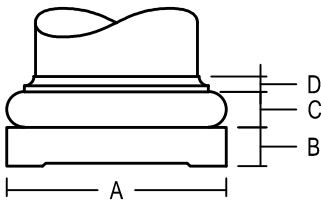
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Structural Fiberglass Columns

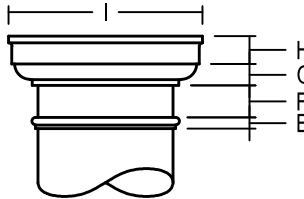
Round Tapered Columns



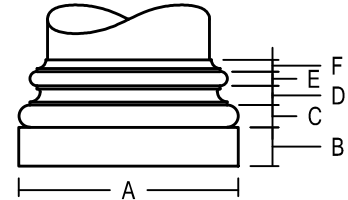
Nominal Shaft Diameter	Optional Attic Base						
	Plinth		Torus				Total
	A	B	C	D	E	F	B-F
12"	16 1/8	2 3/4	1 1/2	1 3/8	1	5/8	7 1/4
14"	18 3/4	3 3/8	1 3/4	1 5/8	1 1/4	3/4	8 3/4
16"	21 1/2	3 7/8	2 1/8	1 7/8	1 3/8	7/8	10 1/8
18"	24 1/4	4 1/4	2 3/8	2 1/8	1 1/2	1 1/8	11 3/8
20"	27	4 3/4	2 5/8	2 3/8	1 3/4	1 3/8	12 7/8
22"	29 3/4	5 1/4	2 7/8	2 5/8	1 7/8	1 5/8	14 1/4
24"	32 1/2	5 3/4	3 3/16	2 7/8	2 1/8	1 3/4	15 11/16
28"	38	6 3/4	3 3/4	3 3/8	2 3/8	1 7/8	18 1/8
30"	40 1/2	7 1/4	3 7/8	3 5/8	2 5/8	1 7/8	19 1/4
36"	48 3/8	8 3/4	4 3/4	4 3/8	3 1/8	2 1/2	23 1/2



Tuscan Base



Tuscan Profile & Cap



Optional Attic Base

Round Tapered Shaft			Tuscan Base					Shaft Profile		Tuscan Cap			
Outside Diameter		Height	Plinth		Torus		Total	Astragal		Echinus	Abacus		Total
Bottom	Top		A	B	C	D	B-D	E	F	G	H	I	G-H
* 12"	10	8' - 18'	16 1/8	2 3/4	2 3/8	7/8	6	13/16	2 1/8	1 3/8	2	14 3/8	3 3/8
14"	12	8' - 18'	18 3/4	3 3/8	3	1	7 3/8	7/8	2 5/8	1 5/8	2 3/8	17 1/8	4
16"	13 1/2	8' - 20'	21 1/2	3 7/8	3 3/8	1 1/8	8 3/8	1	3	1 7/8	2 3/4	19 1/4	4 5/8
18"	15	8' - 20'	24 1/4	4 1/4	3 7/8	1 1/2	9 5/8	1 3/16	3 3/8	2 1/8	3	21 1/2	5 1/8
20"	17	10' - 24'	27	4 3/4	4 1/4	1 3/4	10 3/4	1 5/16	3 3/4	2 1/4	3 3/8	24 1/4	5 5/8
22"	18 1/2	10' - 22'	29 3/4	5 1/4	4 3/4	2 1/8	12 1/8	1 3/8	4	2 1/2	3 3/4	26 1/2	6 1/4
24"	20	10' - 26'	32 1/2	5 3/4	5 1/4	2 1/4	13 1/4	1 9/16	4 1/2	2 3/4	4 1/8	28 3/4	6 7/8
28"	23 1/2	10' - 24'	38	6 3/4	6	2 3/4	15 1/2	1 13/16	5 1/8	3 1/4	4 3/4	33 3/8	8
30"	25	10' - 24'	40 1/2	7 1/4	6 1/2	2 3/4	16 1/2	1 7/8	5 1/2	3 1/2	5 1/8	35 3/4	8 5/8
36"	30	10' - 28'	48 3/4	8 3/4	7 3/4	3 5/8	20 1/8	2 5/16	6 1/2	4 1/4	6 1/4	42 3/4	10 1/2

* 12" column is not available fluted.

COLUMNS
SHEET NO.
SC-02
2013

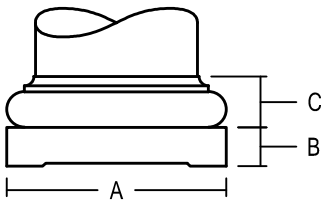
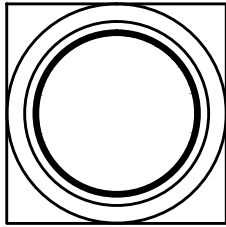
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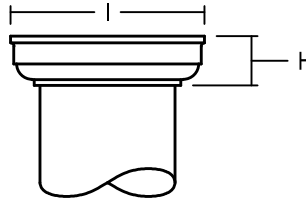
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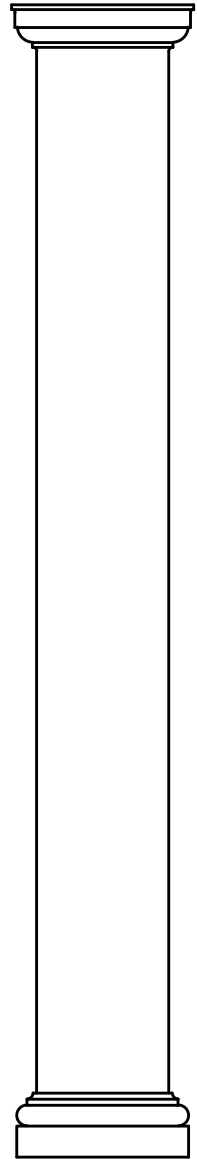
Structural Fiberglass Columns
Round Non-Tapered Columns



Tuscan Base



Tuscan Profile & Cap



Round Straight Shaft		Tuscan Base				Tuscan Cap	
Outside Diameter	Height	Plinth		Torus	Total	Abacus	
		A	B	C	B-C	H	I
8"	8' - 12'	10 1/4	1 7/8	2 3/8	4 1/4	2 1/2	10 1/4
10"	8' - 12'	12 3/4	2 3/8	2 7/8	5 1/4	3 1/8	12 3/4
12"	8' - 20'	15 1/4	2 7/8	3 3/8	6 1/4	3 1/4	15 1/4
14"	8' - 20'	18 3/4	3 3/8	4	7 3/8	4 5/8	19 1/4
16"	8' - 20'	21 1/2	3 7/8	4 1/2	8 3/8	5 1/8	21 1/2
18"	8' - 20'	24 1/4	4 1/4	5 3/8	9 5/8	5 5/8	24 1/4
20"	10' - 24'	27	4 3/4	6	10 3/4	6 1/4	26 1/2
22"	10' - 24'	29 3/4	5 1/4	6 7/8	12 1/8	6 7/8	28 3/4
24"	10' - 26'	32 1/2	5 3/4	7 1/2	13 1/4	7 3/8	31 1/2
30"	10' - 24'	40 1/2	7 1/4	9 1/4	16 1/2	9 1/4	40
36"	10' - 28'	48 3/4	8 3/4	11 3/8	20 1/8	use base	use base

COLUMNS
SHEET NO.
SC-03
2013

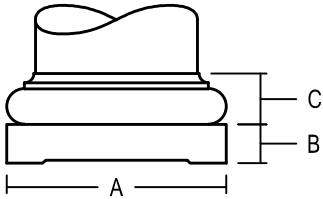
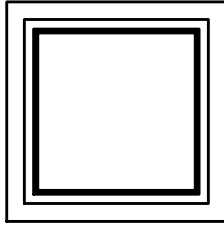
STRUCTURAL
FIBERGLASS
COLUMNS



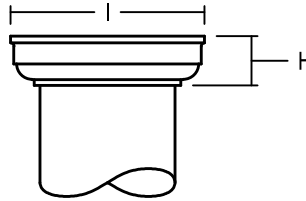
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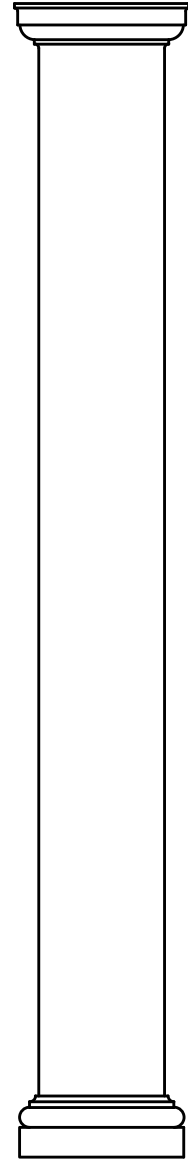
Structural Fiberglass Columns
 Square Non-Tapered Columns



Tuscan Base



Tuscan Profile & Cap



Square Straight Shaft		Tuscan Base				Tuscan Cap	
Outside Width	Height	Plinth		Torus	Total	Abacus	
		A	B	C	B-C	H	I
8"	8' - 20'	10 1/4	1 7/8	2 3/8	4 1/4	2 1/2	10 1/4
10"	8' - 20'	12 3/4	2 3/8	2 7/8	5 1/4	3 1/8	12 3/4
12"	8' - 20'	15 1/4	2 7/8	3 3/8	6 1/4	3 1/4	15 1/4
14"	8' - 20'	18 3/4	3 3/8	4	7 3/8	4	18 3/4
16"	8' - 20'	21 1/2	3 7/8	4 1/2	8 3/8	4 5/8	21 1/2
18"	8' - 20'	24 1/4	4 1/4	5 3/8	9 5/8	5 1/8	24 1/4
20"	10' - 24'	27	4 3/4	6	10 3/4	5 5/8	27
22"	10' - 24'	29 3/4	5 1/4	6 7/8	12 1/8	6 1/4	29 3/4
24"	10' - 26'	32 1/2	5 3/4	7 1/2	13 1/4	6 7/8	31 1/2

COLUMNS
 SHEET NO.
SC-04
 2013

STRUCTURAL
 FIBERGLASS
 COLUMNS



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