

FIBERGLASS REINFORCED  
POLYESTER (FRP)  
COLUMN COVERS



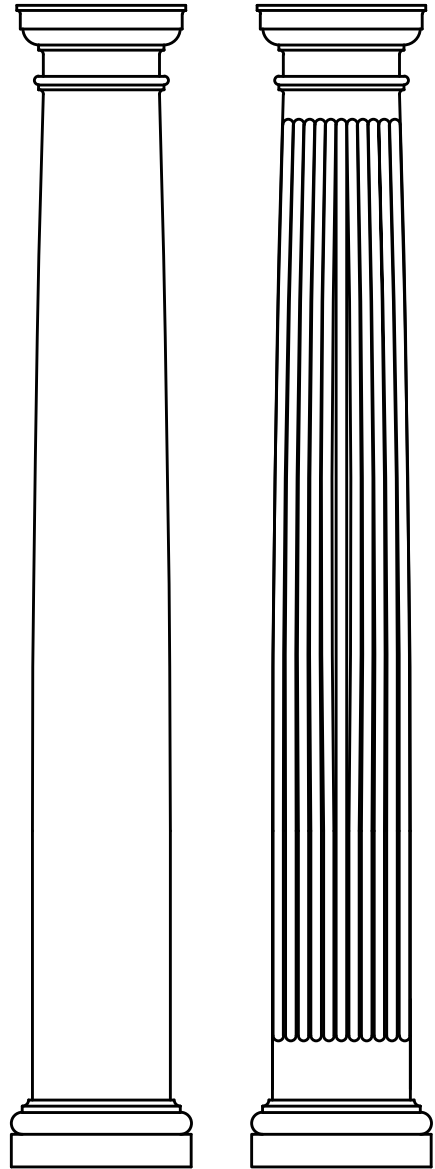
ARCHITECTURAL FIBERGLASS, INC.

8300 Bessemer Ave. \* Cleveland, OH 44127-1839 \* 216-641-8300 \* Fax 216-641-8150 \* [www.fiberglass-afi.com](http://www.fiberglass-afi.com)

## Fiberglass Reinforced Polyester (FRP) Column Covers

Usually referred to as Fiberglass Column Covers, they are manufactured with typical lightweight 3/16" thick fiberglass materials similar to a boat hull or a fiberglass shower surround. Fiberglass Column Covers serve no structural load-bearing capacities and are for decorative purposes only. Fiberglass Column Covers are hand-manufactured in halves specifically for use as wraps to conceal structural columns. Fiberglass Column Covers are the most versatile in design and are not limited to standard sizes. Various sizes and custom shapes can be achieved with the molding process. Fiberglass Column Covers can be pre-finished with a custom texture and colored gelcoat finishes, but joints and attachment points must be considered in the design. If painting is not the desired finish, custom designed joints can be created for vertical caulk joints. For standard column covers it is recommended that the columns be field painted so the vertical joint and attachment hardware can be field patched and repaired to create a monolithic column. Fiberglass Column Covers are most practical for large column diameters and custom sizes, designs and finishes, but may be more costly than the standard type Polymer Composite and Structural Columns.

- Weatherproof
- Insect Free
- Low Maintenance
- Customization
- Architecturally Correct



Smooth

Fluted

COLUMNS

SHEET NO.

CC-01

2020

FIBERGLASS  
COLUMN COVERS

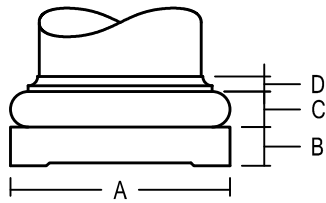


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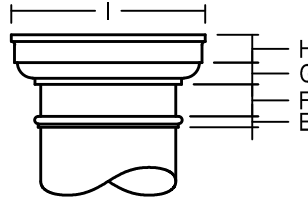
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# Fiberglass Reinforced Polyester (FRP) Column Covers

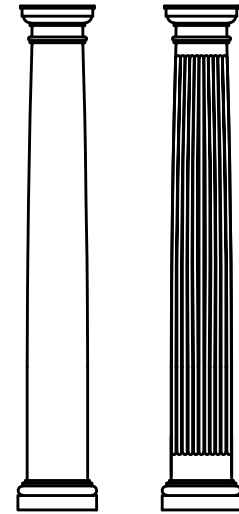
## Round Tapered Columns



Tuscan Base



Tuscan Profile & Cap



Round Tapered Shaft		Tuscan Base						Shaft Profile		Tuscan Cap			
Outside Diameter		Height	Plinth		Torus		Total B-D	Astragal		Echinus G	Abacus		Total G-H
Bottom	Top		A	B	C	D		E	F		H	I	
10"	8 1/2	6' - 12'	13 1/2	2 3/8	2 1/8	3/4	5 1/4	3/4	1 5/8	1 13/16	1 3/4	12 5/32	3 9/16
12"	10	6' - 12'	16 1/4	2 3/4	2 3/8	7/8	6	3/4	1 3/32	1 29/32	2	14 5/8	3 29/32
14"	12	8' - 16'	18 19/32	3 11/32	2 31/32	1	7 5/16	1	2 9/32	2 15/32	2 5/16	16 13/32	4 25/32
15"	12 1/2	8' - 10'	20	3 1/4	2 5/16	1 9/16	7 1/8	1 3/8	2 3/8	2 13/16	2 1/16	17 7/8	4 7/8
16"	13	8' - 12'	21 3/8	4	3 3/8	1 1/4	8 5/8	1 1/8	2 1/4	2 1/8	3	18 1/4	5 1/8
17"	14 1/2	8' - 10'	21 3/4	5	3 1/2	1 1/2	10	1 1/4	4 3/4	3	3 1/2	21	6 1/2
18"	15	8' - 24'	24 1/32	4 7/32	3 31/32	1 3/8	9 9/16	1 3/8	2 3/8	2 7/8	3	21 1/4	5 7/8
19"	16	10' - 15'	24 3/4	4 1/2	3	1 3/4	9 1/4	1 7/8	3 5/8	2 7/8	3 1/4	23 1/4	6 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 1/8	8' - 20'	32	5 1/4	3 3/4	2 1/2	11 1/2	2 3/8	4 3/4	3 5/8	4 3/8	28 1/8	8
28"	24	10' - 25'	36	6	3 7/8	2 1/2	12 3/8	2 7/8	6 1/4	4 1/4	5	34	9 1/4
30"	25	16' - 30'	40 1/2	7 1/4	6 1/2	2 3/4	16 1/2	2 1/8	5 1/4	4 1/8	4 1/2	34 1/4	8 5/8
36"	30	18' - 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
40" A	30	14' - 30'	52 3/4	8 1/2	6	4	18 1/2	3 1/2	9 3/8	6 5/8	7 1/4	46	13 7/8
40" B	33 5/16	14' - 30'	52 3/4	8 1/2	6	4	18 1/2	4 1/4	10 3/8	7 3/8	8	51 1/16	15 3/8
48"	39	20' - 30'	64	13	11	1	25	2 1/2	6	9	7 1/2	52	16 1/2

COLUMNS

SHEET NO.

CC-02

2020

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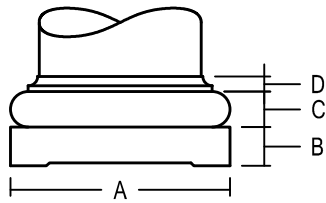


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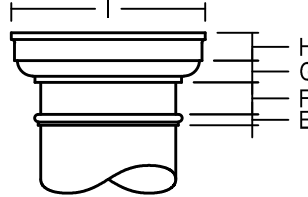
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# Fiberglass Reinforced Polyester (FRP) Column Covers

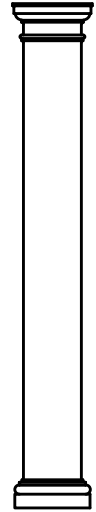
## Round Non-Tapered Columns



Tuscan Base



Tuscan Profile & Cap



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

\* Actual outside diameters are approximately 5/16" to 1/2" less than shown.  
 + All columns available fluted.

COLUMNS  
 SHEET NO.  
**CC-03**  
 2020

FIBERGLASS  
 COLUMN COVERS



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COLUMN COVER INSTALLATION INSTRUCTIONS

1. COLUMN COVER SHAFTS, BASES AND CAPITALS ARE LABELED "A" AND "B" AS MATCHING SETS. IF THEY ARE NOT LABELED THEY ARE ALL IDENTICAL AND MATCH ACCORDINGLY.
2. THE SHAFT SHOULD BE SIZED TO THE OVERALL HEIGHT FROM THE FLOOR TO THE CEILING. ALWAYS CUT THE SHAFT AT THE FLOOR LEVEL. SHAFTS CAN BE CUT WITH A HACKSAW OR GRINDER. CUT OR SHIM TO ALLOW FOR ANY PITCH ON THE FLOOR. THE COLUMN SHAFT SHOULD SPAN THE ENTIRE DISTANCE FROM FLOOR TO THE CEILING OR TOP OF COLUMN.
3. BLOCKING SHOULD BE INSTALLED FOR ATTACHMENT OF COLUMN COVER TO STRUCTURE AND TO COLUMN CAPITAL, SHAFT AND BASE. IT IS RECOMMENDED THAT NON-CORROSIVE MATERIAL BE USED FOR BLOCKING. THE BLOCKING SHOULD BE PERMANENTLY ATTACHED TO THE BEAM, FLOOR OR CEILING AND SNUG WITH THE COLUMN CAPITAL, SHAFT AND BASE. AN L-BRACKET CAN ALSO BE USED TO SECURE COLUMN SHAFTS AND BASES IF DESIRED. L-BRACKETS CAN BE SCREWED, BOLTED OR RIVETED TO THE COLUMN AND/OR BASE.
4. APPLY A HIGH QUALITY CONSTRUCTION ADHESIVE (RECOMMENDED: WELD-ON STRUCTURAL METHACRYLATE ADHESIVE SS218 SERIES; OR LORD 7545-F URETHANE ADHESIVE) TO THE BUTT-JOINT OF EACH COLUMN TO BOND THE HALVES TOGETHER. MAKE SURE FLANGES ARE FREE FROM DIRT AND DUST. ALIGN, JOIN AND SECURE HALVES TOGETHER THE ENTIRE LENGTH OF THE COLUMN WITH BINDING STRAPS. USE A RUBBER Mallet OR WOOD BLOCKS WHERE NECESSARY TO GET THE TWO SIDES OF THE SEAM TO ALIGN. STRAPS SHOULD BE USED EVERY 12"-16" ALONG THE FULL HEIGHT OF THE COLUMN. EXCESS GLUE FROM THE JOINT SHOULD BE CLEANED BEFORE CURING.
5. THE COLUMN SHOULD BE SECURED TO THE BLOCKING OR L-BRACKET WITH COUNTERSUNK SCREWS OR RIVETS. MAKE SURE THE COLUMN IS SECURE FROM TOP TO BOTTOM TO THE BLOCKING.
6. SECURE THE CAPITAL AND BASE AROUND THE COLUMN SHAFT IN THE SAME MANNER AS THE SHAFT. THE BASE MAY NEED TO BE CUT OR SANDED TO ACCOMMODATE THE LEVELING OF THE FLOOR. THE CAPITAL AND BASE SHALL BE INSTALLED AROUND THE OUTSIDE OF THE SHAFT. THE SHAFT DOES NOT SIT ON TOP OF THE BASE.
7. SAND THE EXCESS GLUE ALONG THE COLUMN JOINT AND PREPARE FOR PROPER ADHESION OF BODY FILLER (BONDO). ALSO FILL ANY VISIBLE SCREW HEADS AND RIVETS WITH POLYESTER BODY FILLER (BONDO).
8. SAND SCREW HEADS TO A UNIFORM FINISH. APPLY MORE BODY FILLER AND SAND AS NEEDED. CAULK GAPS BETWEEN SHAFT, BASE AND CAPITAL AS DESIRED.
9. PRIME THE JOINTS AND PATCHED AREAS. BEFORE PAINTING THE COLUMN IT IS RECOMMENDED TO LIGHTLY SAND, OR DEGLOSS THE ENTIRE COLUMN WITH A SCOTCHBRITE PAD OR 200-400 GRIT PAPER TO PREPARE FOR PAINTING.
10. WIPE DOWN THE COLUMN TO REMOVE ANY DUST AND RESIDUE. USE A HIGH QUALITY OIL BASE PAINT. PRIMER IS NOT NEEDED IF THE OIL BASE PAINT IS THE DESIRED COLOR. FOR THE BEST DURABILITY AND ADHESION TO THE COLUMN SURFACE WE RECOMMEND OIL BASE PAINT. IF AN ACRYLIC LATEX PAINT IS DESIRED, WE RECOMMEND USING A HIGH QUALITY PRIMER LIKE SHERWIN WILLIAMS PREPRITE ANCHOR BOND AND A TOPCOAT LIKE SHERWIN WILLIAMS SUPER PAINT. FOLLOW THE SAME PROCEDURE FOR THE CAP AND BASE.

COLUMNS

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CC-04

2020

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COLUMN COVERS



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