

# TURNCRAFT | ARCHITECTURAL

PRODUCT  
CATALOG  
2005

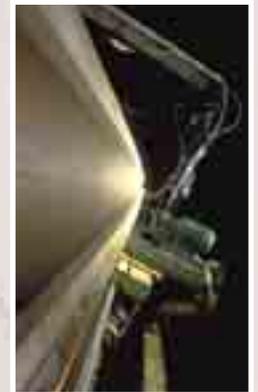


# A History of Architectural Excellence

So many architects and builders select Turncraft Architectural Columns because they feature thoughtful product design, fine workmanship, superior assembly, precision turning and fluting, and artful finishing.

Round columns may be ordered with true architectural entasis in sizes consistent with the classic proportions of the Greek Doric, Tuscan, Roman Doric, Ionic, and Corinthian Orders, or in custom shaft diameters up to 36" and lengths to 30'. They can be smooth surfaced or given dramatic deep fluting (with increased stave thickness) as desired. Greek Doric Columns feature classic edge-to-edge fluting. Square columns and pilasters may be ordered to match (available in tapered or non-tapered and in various plan styles—see page 14). Non-tapered cylinders are available for use in casework, radius wall corners, and contemporary applications.

The making of Turncraft Architectural Columns is an exacting process. Finger-jointed or solid staves are milled to the required dimensions, assembled using the strongest Type-I waterproof glue, and then are metal-banded for curing. In the computer-controlled lathe, the assembled shaft is turned to the precise taper desired, complete with true architectural entasis. The top of each column is profiled according to the style specified, and the entire column is machine sanded to ensure a smooth finish. Flutes are milled at precisely determined intervals and depths, always ending in full half-rounds at the top and bottom (except on Greek Doric). Each column, regardless of size, is visually inspected, any defects are corrected, and then it is finish sanded.



Turncraft exterior columns and paint-grade interior columns are fashioned from select, kiln-dried Western Pine staves (or clear, all-heart Redwood or Western Red Cedar by custom order). Use of finger-jointed pieces conserves valuable wood resources, reduces potential for warping and bow, and helps prevent checking or cracking of finished surfaces. (Solid-stave assembly available by custom order.)

Stain-grade interior columns are fashioned primarily from solid-stave Red Oak, Poplar, Hard Maple, Pine, Cherry, Redwood, Mahogany, and Black Walnut lumber and feature matching wood Caps & Bases.



Redwood



Red Oak



Cherry



Hard Maple



Pine



Mahogany



Black Walnut

All paint-grade wood shafts and Caps & Bases are fully immersed in Woodtreat® MB wood preservative, formulated to protect against mold, mildew, and staining and decaying fungi; to control shrinking, swelling, end checking, splitting, grain raising, and warping; and for maximum compatibility with paint primers and topcoats. (Conforms to Industrial Standard IS4-00, is approved by the N.W.W.D.A., and meets all current and proposed government standards.)



1 Temple of Winds

2 Roman Doric Ornamental

3 Empire

4 Roman Corinthian

5 Greek Angular Ionic

6 Scamozzi

7 Greek Erectheum

8 Roman Ionic

**1 Temple of Winds**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	TW06P	7"	8"
8"	TW08P	7-1/2"	10-1/2"
10"	TW10P	10-1/8"	14-1/2"
12"	TW12P	11-3/8"	16-1/2"
14"	TW14P	14"	21"
16"	TW16P	16-1/2"	22-1/2"
18"	TW18P	18-3/8"	25-3/4"
20"	TW20C	21-1/2"	28"
22"	TW22C	23-1/4"	34-1/2"
24"	TW24P	26"	30-3/4"
26"	TW26C	24"	35"
28"	TW28C	28"	37"
30"	TW30C	30"	39"

**2 Roman Doric Ornamental**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	RD06P	4-1/8"	8-3/4"
8"	RD08P	6"	13-1/8"
10"	RD10P	6"	14-3/8"
12"	RD12P	7-1/8"	16-1/8"
14"	RD14P	7-1/4"	17-1/2"
16"	RD16P	10-3/4"	23-1/2"
18"	RD18C	12-1/2"	28"

**3 Empire**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	EM06P	3-1/2"	9"
8"	EM08P	3-7/8"	10"
10"	EM10P	5-3/4"	14"
12"	EM12P	6-3/8"	17-1/2"
14"	EM14P	7-3/8"	20-3/8"
16"	EM16P	8-1/2"	21-7/8"
18"	EM18P	10"	30-3/4"
20"	EM20C	11-1/4"	34"
24"	EM24C	12-3/4"	35-1/2"
26"	EM26C	13"	37"

**4 Roman Corinthian**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	RC06P	7"	9-1/2"
8"	RC08P	8-7/8"	12-1/2"
10"	RC10P	11-5/8"	14-3/4"
12"	RC12P	14-5/8"	17-5/8"
14"	RC14P	17-1/8"	22-1/2"
16"	RC16P	17-5/8"	23-1/2"
18"	RC18P	21-1/4"	27-1/2"
20"	RC20P	24-3/4"	38-1/2"
22"	RC22C	28-1/2"	42"
24"	RC24P	27-3/4"	42"
26"	RC26P	31-1/2"	41-1/4"
28"	RC28C	34"	46"
30"	RC30C	37-1/2"	46-1/2"

**5 Greek Angular Ionic**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
8"	GA08P	4"	9"
10"	GAI0P	6"	14-1/2"
12"	GAI2P	6"	17"
14"	GAI4C	7-1/4"	20-3/4"
16"	GAI6C	8-3/8"	20-1/2"
18"	GAI8C	9-3/4"	24-1/4"
20"	GA20C	11"	29-3/4"
24"	GA24C	12-3/4"	35"
28"	GA28C	14-3/4"	39-1/2"

**6 Scamozzi**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	SC06P	2-1/2"	7-3/4"
8"	SC08P	3"	10-1/4"
10"	SC10P	4-1/4"	14-3/4"
12"	SC12P	5"	16-1/4"
14"	SC14P	5-3/4"	18-1/2"
16"	SC16P	5-3/4"	21-3/8"
18"	SC18P	7-1/2"	24-1/4"
20"	SC20P	7-1/4"	25-3/8"
24"	SC24P	11-1/4"	34-1/2"
26"	SC26C	11"	35-1/2"
28"	SC28C	12-3/4"	39"
30"	SC30C	12-3/4"	39"

**7 Greek Erectheum**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	GE06P	3-1/4"	6-3/4"
8"	GE08P	3-3/4"	7-3/4"
10"	GE10P	5-5/8"	12"
12"	GE12P	7"	15-1/2"
14"	GE14C	6-5/8"	14-1/2"
16"	GE16C	9"	17-1/2"
18"	GE18C	10"	22-1/2"
20"	GE20C	11"	26"
22"	GE22C	11-1/4"	26"
24"	GE24C	13"	30-1/2"
26"	GE26C	13"	32-1/2"
28"	GE28C	15"	31"
30"	GE30C	15"	31"

**8 Roman Ionic**

Bottom Shaft Dia.	Style	Cap Height	Abacus Width
6"	RI06P	2-1/4"	6-1/4"
8"	RI08P	3-5/8"	8"
10"	RI10P	4"	11-1/2"
12"	RI12P	4-3/4"	12-1/2"
14"	RI14P	5-1/2"	17-1/2"
16"	RI16P	6-1/4"	18"
18"	RI18P	6-1/2"	21"
20"	RI20C	8-3/4"	25"
22"	RI22C	8-3/4"	25"
24"	RI24C	9"	25-1/4"
26"	RI26C	9-1/2"	26-1/2"
28"	RI28P	9-3/4"	27-1/4"
30"	RI30P	12-1/2"	32"

Plaster Ornamental Capitals are coated with boiled linseed oil and turpentine as a temporary protector until they can be primed and coated with at least two coats of oil-base paint on the inside and outside. (If capitals are allowed to gather moisture before painting, peeling is likely to occur and further coating will be futile.) Ornamental Capitals are shipped with a load-bearing plug, which must bear the weight of any load on the column. Specifications and materials subject to change without notice.

All Ornamental Capitals ship FOB Factory—freight is the responsibility of customer.



Exterior and paint-grade interior columns feature polyurethane or fiberglass Caps & Bases (see charts) to provide crisp, true architectural detail and increased durability. (Special-order wood Caps & Bases are available.) Optional aluminum plinths provide an extra measure of protection.

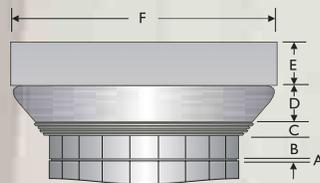
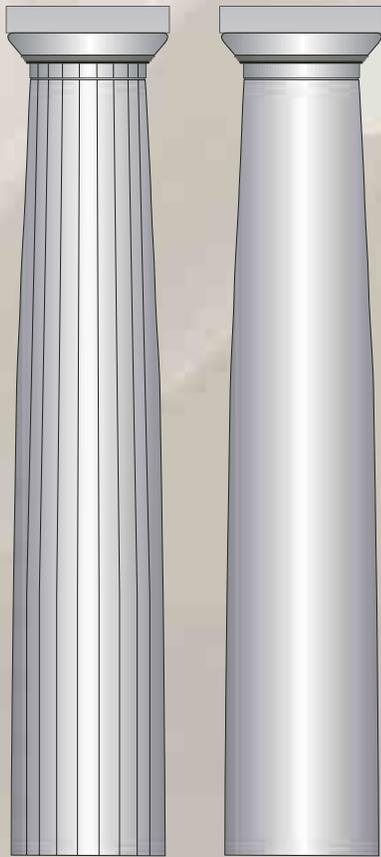
Turncraft Ornamental Caps & Bases artfully capture natural themes and images in an aesthetic composite sculpture.

The volute scrolls of the Ionic, Erectheum, Scamozzi, and Empire imitate the helix cross-section of the Nautilus shell. The Acanthus leaves on the Temple of Winds and Corinthian Capitals echo the flowering crown of a tree. These capitals are crafted from a number of materials including wood, plaster, and fibers and are shaped into the appropriate proportions for the various styles of architecture and sizes of column shafts.

# GREEK DORIC-400

The distinguishing characteristic of the Greek Doric Order is the absence of a base and the height of the column in relationship to its diameter. When used in true architectural proportions, the height of the column, including capital is five and one-half diameters. Greek Doric columns in antiquity are found on the Parthenon in Athens.





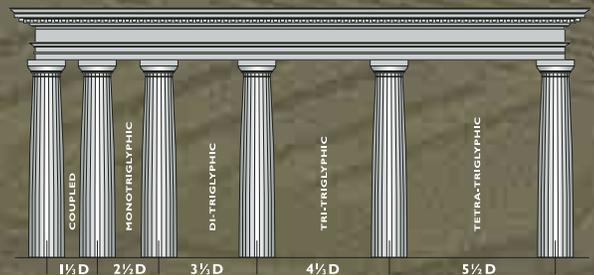
- 1 Residence—  
San Francisco,  
California  
Greek Doric  
Column with  
Greek Doric Cap
- 2 Residence—  
San Francisco,  
California  
Greek Doric  
Column with  
Greek Doric Cap
- 3 Residence—  
San Francisco,  
California  
Greek Doric  
Column with  
Greek Doric  
Cap and deep  
column notching

Greek Doric Tapered Shaft				Fluting Specs				Greek Doric Cap						
Outside Dia.		Inside Dia.		No.	Width	Notch		Ring Detail		Round	Total	Abacus		Total
Bottom	Top	Bottom	Top			A	B	No.	C	D	C-D	E	F	C-E
6"	5"	2-1/4"	2"	20	15/16"	1/16"	7/16"	3	9/16"	1-1/8"	1-11/16"	1"	7-3/8"	2-11/16"
8"	6-1/2"	4-1/4"	3-1/2"	20	1-1/4"	1/16"	13/16"	3	9/16"	1-1/4"	1-13/16"	1-1/2"	9-1/4"	3-5/16"
10"	8-1/4"	6-3/8"	5-1/4"	20	1-9/16"	1/16"	1-3/16"	3	9/16"	1-1/2"	2-1/16"	1-7/8"	11-5/8"	3-15/16"
12"	9-3/4"	7-7/8"	6-3/4"	20	1-7/8"	1/8"	1-1/4"	4	3/4"	1-7/8"	2-5/8"	2-1/4"	13-3/4"	4-7/8"
14"	11-1/4"	10-1/8"	8-1/4"	20	2-3/16"	1/8"	1-5/8"	4	3/4"	2-1/8"	2-7/8"	2-5/8"	16"	5-1/2"
16"	12-3/4"	11-1/16"	9-3/4"	20	2-1/2"	1/8"	1-7/8"	4	3/4"	2-3/8"	3-1/8"	2-7/8"	18-1/8"	6"
18"	14-1/2"	12"	11-1/2"	20	2-13/16"	1/8"	2-1/4"	4	3/4"	2-3/4"	3-1/2"	3-1/4"	20-1/2"	6-3/4"
20"	16"	14-1/4"	13"	20	3-1/8"	3/16"	2-5/8"	4	3/4"	3"	3-3/4"	3-5/8"	22-5/8"	7-3/8"
22"	18"	16-1/4"	15"	20	3-7/16"	3/16"	2-5/8"	5	1"	3-1/4"	4-1/4"	4"	25-1/4"	8-1/4"
24"	19-1/2"	18-1/4"	16-1/2"	20	3-3/4"	3/16"	3"	5	1"	3-1/2"	4-1/2"	4-3/8"	27-1/8"	8-7/8"

## DORIC INTERCOLUMNNIATION

Greek Doric Columns are available in fluted or unfluted versions. They may be ordered in Vignola's architectural proportions as described above or in custom combinations of column lengths and widths as well as in non-tapered cylinders.

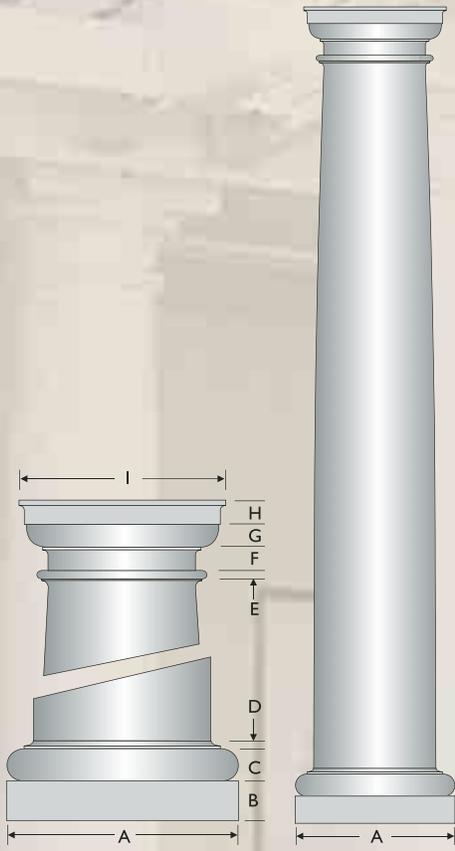
Square Architectural Columns and Pilasters to match detail of Round Tapered Columns are available.



# TUSCAN - 600

The distinguishing characteristic of the Tuscan Order is simplicity. When used in true architectural proportions, the height of the column, including capital and base, is seven diameters. Tuscan columns in antiquity are found on the Temple of Piety in Rome.





2

1 Country Club—  
Redding,  
California  
Tuscan Column  
with Tuscan  
Cap & Base

2 Residence—  
Medford,  
Oregon  
Tuscan Column  
with Tuscan  
Cap & Base



3

3 Art Gallery—  
Orange,  
California  
Solid-stave  
Mahogany  
Tuscan Column  
with Tuscan  
Cap & Base

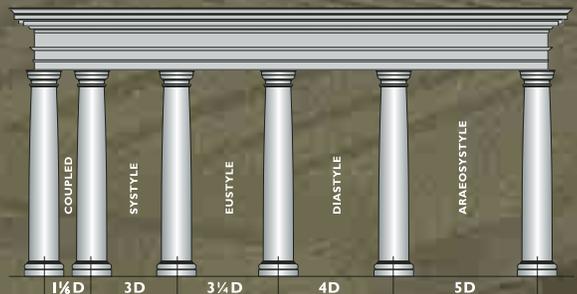
Tuscan Tapered Shaft				Fluting Specs				Tuscan Base					Tuscan Cap					
Outside Dia.		Inside Dia.		No.	Width	Plinth		Base Molding			Total	Round		Echinus		Abacus		Total
Bottom	Top	Bottom	Top			A	B	C	D	B-D	E	F	G	H	I	G-H		
▶ 4"	3-1/4"	0"	0"	18	7/16"	5-3/8"	1"	13/16"	1/2"	2-5/16"	3/8"	1-1/4"	1/2"	11/16"	5-1/8"	1-3/16"		
▶ 6"	4-3/4"	3"	2-1/2"	24	1/2"	8"	1-1/2"	1-1/4"	1/2"	3-1/4"	1/2"	1-1/4"	3/4"	1"	7-1/2"	1-3/4"		
▶ 8"	6-1/2"	5-1/4"	4-3/8"	24	11/16"	10-3/4"	1-7/8"	1-3/4"	5/8"	4-1/4"	1/2"	1-1/4"	1"	1-3/8"	9-3/8"	2-3/8"		
▶ 10"	8-1/2"	7-1/4"	6-3/8"	24	7/8"	13-3/8"	2-3/8"	2-1/8"	3/4"	5-1/4"	3/4"	1-7/8"	1-1/4"	1-3/4"	12-1/8"	3"		
▶ 12"	10"	9"	7-3/4"	24	1"	16-1/8"	2-3/4"	2-3/8"	7/8"	6"	3/4"	1-7/8"	1-3/8"	2"	14-3/8"	3-3/8"		
▶ 14"	12"	10-1/8"	9"	24	1-1/4"	18-3/4"	3-3/8"	3"	1"	7-3/8"	1"	3"	1-5/8"	2-3/8"	17-1/8"	4"		
▶ 15"	12-3/4"	11-1/16"	10"	24	1-11/32"	20-1/8"	3-5/8"	3-3/16"	1-1/16"	7-7/8"	1"	3"	1-3/4"	2-9/16"	18-3/16"	4-5/16"		
▶ 16"	13-1/2"	12"	10"	24	1-7/16"	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"	14-1/4"	12"	24	1-1/2"	24-1/4"	4-1/4"	3-7/8"	1-1/2"	9-5/8"	1-1/4"	2-3/4"	2-1/8"	3"	21-1/2"	5-1/8"		
▶ 20"	17"	16-1/4"	13"	24	1-11/16"	27"	4-3/4"	4-1/4"	1-3/4"	10-3/4"	1-1/4"	2-3/4"	2-1/4"	3-3/8"	24-1/4"	5-5/8"		
▶ 22"	18-1/2"	18-1/4"	15"	24	1-15/16"	29-3/4"	5-1/4"	4-3/4"	2-1/8"	12-1/8"	1-1/2"	4-3/4"	2-1/2"	3-3/4"	26-1/2"	6-3/8"		
▶ 24"	20"	20-1/4"	17"	24	2-1/8"	32-1/2"	5-3/4"	5-1/4"	2-1/4"	13-1/4"	1-1/2"	4-3/4"	2-3/4"	4-1/8"	28-3/4"	6-7/8"		
▶ 26"	22"	22-1/8"	19"	24	2-1/4"	35"	6-1/4"	5-5/8"	2-5/8"	14-1/2"	1-1/2"	4-3/4"	3"	4-3/8"	31-1/2"	7-3/8"		
▶ 28"	23-1/2"	24-1/8"	21"	24	2-11/16"	38"	6-3/4"	6"	2-3/4"	15-1/2"	1-1/2"	4-3/4"	3-1/4"	4-3/4"	33-3/8"	8"		
▶ 30"	25"	26-1/4"	22"	24	2-7/8"	40-1/2"	7-1/4"	6-1/2"	2-3/4"	16-1/2"	1-1/2"	4-3/4"	3-1/2"	5-1/8"	35-3/4"	8-5/8"		
▶ 32"	27"	27"	23"	24	3"	42-3/4"	7-3/4"	6-7/8"	3-1/8"	17-3/4"	2"	5-3/4"	3-3/4"	5-1/2"	37-5/8"	9-1/4"		
▶ 34"	28-1/2"	29"	24-1/2"	24	3-1/4"	45-1/2"	8-1/2"	7-1/2"	3-3/8"	19-3/8"	2"	5-3/4"	3-7/8"	5-3/4"	41"	9-5/8"		
▶ 36"	30"	31"	26"	24	3-1/4"	48"	9"	7-3/4"	3-5/8"	20-3/8"	2"	5-3/4"	4-1/4"	6-1/4"	42-3/4"	10-1/2"		

▶ Polyurethane Caps & Bases   ▶ Fiberglass Caps & Bases

## TUSCAN INTERCOLUMNIATION

Tuscan Columns are available in fluted or unfluted versions. They may be ordered in Vignola's architectural proportions as described above or in custom combinations of column lengths and widths as well as in non-tapered cylinders.

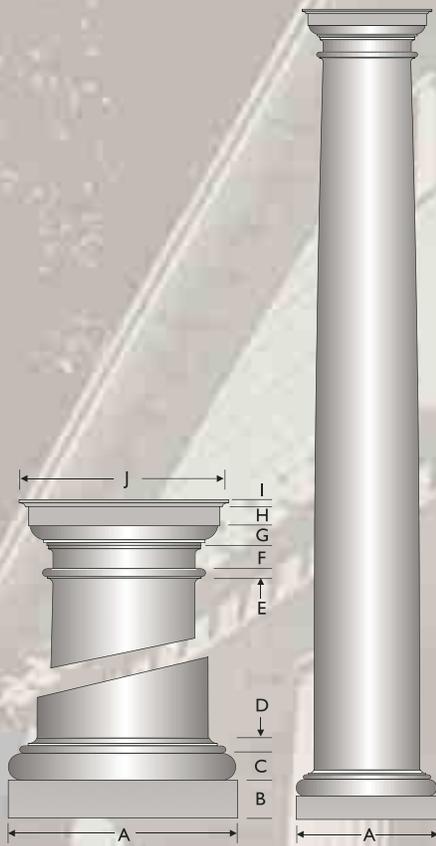
Square Architectural Columns and Pilasters to match detail of Round Tapered Columns are available.



# ROMAN DORIC-800

The Roman Doric order features an increase of decorative molding over the Tuscan Order. Vignola's Denticulated Doric Cap has a stepped, three-fillet support of the echinus instead of the single-fillet support of the Tuscan Order. The Doric base is similar to the Tuscan, but the addition of bead above the torus molding is an elegant embellishment. According to Vignola, the height of the Doric Column including cap and base should be eight diameters. Vignola Denticulated Doric is imitated closely from the Theater of Marcellus.





2



3

1 Residence—  
Medford, Oregon  
Roman Doric  
Column with  
Doric Cap  
& Base

2 Residence—  
Medford, Oregon  
Solid-stave  
Red Oak Roman  
Doric Columns  
with Doric Bases

3 Church—  
Fresno,  
California  
Roman Doric  
Column with  
Doric Cap

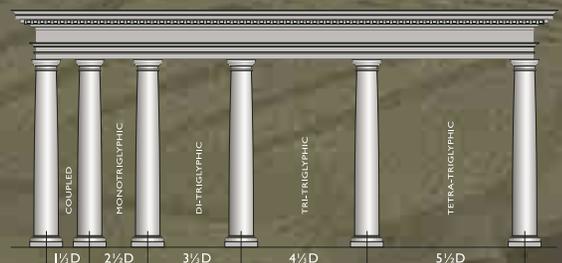
Roman Doric Tapered Shaft				Fluting Specs		Roman Doric Base					Roman Doric Cap							
Outside Dia.		Inside Dia.		No.	Width	Plinth		Base Molding			Total	Round		Echinus		Abacus		Total
Bottom	Top	Bottom	Top			A	B	C	D	B-D	E	F	G	H	I	J	G-I	
▶ 6"	4-3/4"	3"	2-1/2"	24	1/2"	8"	1-1/2"	1"	3/4"	3-1/4"	1/2"	1-1/4"	3/4"	3/4"	1/2"	7-1/2"	2"	
▶ 8"	6-1/2"	5-1/4"	4-3/8"	24	11/16"	10-3/4"	1-7/8"	1-7/16"	15/16"	4-1/4"	1/2"	1-1/4"	1-1/8"	7/8"	5/8"	9-3/4"	2-5/8"	
▶ 10"	8-1/2"	7-1/4"	6-3/8"	24	7/8"	13-3/8"	2-3/8"	1-3/4"	1-1/4"	5-3/8"	3/4"	1-7/8"	1-3/8"	1"	3/4"	12-1/2"	3-1/8"	
▶ 12"	10"	9"	7-3/4"	24	1"	16-1/8"	2-3/4"	2-1/16"	1-3/8"	6-3/16"	3/4"	1-7/8"	1-5/8"	1-1/2"	7/8"	14-3/4"	4"	
▶ 14"	12"	10-1/8"	9"	24	1-1/4"	18-3/4"	3-3/8"	2-3/8"	1-5/8"	7-3/8"	1"	3"	1-15/16"	1-5/8"	1-1/8"	17-1/2"	4-11/16"	
▶ 15"	12-3/4"	11-1/16"	10"	24	1-11/32"	20-1/8"	3-5/8"	2-5/8"	1-13/16"	8-1/16"	1"	3"	2-3/32"	1-3/4"	1-13/16"	18-11/16"	5-1/32"	
▶ 16"	13-1/2"	12"	10"	24	1-7/16"	21-1/2"	3-7/8"	2-7/8"	2"	8-3/4"	1"	3"	2-1/4"	1-7/8"	1-1/4"	19-7/8"	5-3/8"	
▶ 18"	15"	14-1/4"	12"	24	1-1/2"	24-1/4"	4-1/4"	3-1/4"	2-3/8"	9-7/8"	1-1/4"	2-3/4"	2-1/2"	2-1/8"	1-3/8"	22-1/4"	6"	
▶ 20"	17"	16-1/4"	13"	24	1-11/16"	27"	4-3/4"	3-5/8"	2-5/8"	11"	1-1/4"	2-3/4"	2-3/4"	2-3/8"	1-5/8"	25"	6-3/4"	
▶ 22"	18-1/2"	18-1/4"	15"	24	1-15/16"	29-3/4"	5-1/4"	3-7/8"	2-7/8"	12"	1-1/2"	4-3/4"	3"	2-5/8"	1-3/4"	27-3/8"	7-3/8"	
▶ 24"	20"	20-1/4"	17"	24	2-1/8"	32-1/2"	5-3/4"	4-5/16"	3-3/16"	13-1/4"	1-1/2"	4-3/4"	3-5/16"	2-3/4"	1-3/16"	29-3/4"	7-15/16"	
▶ 26"	22"	22-1/8"	19"	24	2-1/4"	35"	6-1/4"	4-5/8"	3-1/2"	14-3/8"	1-1/2"	4-3/4"	3-9/16"	3-1/8"	2"	32-1/2"	8-11/16"	
▶ 28"	23-1/2"	24-1/8"	21"	24	2-11/16"	38"	6-3/4"	5"	3-5/8"	15-3/8"	1-1/2"	4-3/4"	3-7/8"	3-3/8"	2-1/8"	34-5/8"	9-3/8"	
▶ 30"	25"	26-1/4"	22"	24	2-7/8"	40-1/2"	7-1/4"	5-3/8"	4"	16-5/8"	1-1/2"	4-3/4"	4-1/16"	3-1/2"	2-3/8"	37"	9-15/16"	
▶ 32"	27"	27"	23"	24	3"	42-3/4"	7-3/4"	5-3/4"	4-1/4"	17-3/4"	2"	5-3/4"	4-5/16"	3-3/4"	2-1/2"	39-1/4"	10-9/16"	
▶ 34"	28-1/2"	29"	24-1/2"	24	3-1/4"	45-1/2"	8-1/2"	6-1/8"	4-5/8"	19-1/4"	2"	5-3/4"	4-11/16"	4"	2-5/8"	42-1/8"	11-5/16"	
▶ 36"	30"	31"	26"	24	3-1/4"	48"	9"	6-3/8"	4-7/8"	20-1/4"	2"	5-3/4"	5"	4-1/4"	2-3/4"	44-1/8"	12"	

▶ Polyurethane Caps & Bases ▶ Fiberglass Caps & Bases

## ROMAN DORIC INTERCOLUMNIATION

Roman Doric Columns are available in fluted or unfluted versions. They may be ordered in Vignola's architectural proportions as described above or in custom combinations of column lengths and widths as well as in non-tapered cylinders.

Square Architectural Columns and Pilasters to match detail of Round Tapered Columns are available.



# IONIC - 900

The distinguishing features of the Ionic Order are the scrolls that decorate the capital of the column. These scrolls derived their intriguing shape from the shell of the Nautilus. The most common representations of the Ionic Order include columns with 24 flutes separated by fillets that are about one-third their width. Ionic shafts are placed on decorative Attic Bases. Customarily, the Ionic Order column height including capital and base is nine diameters. A prime example of the Ionic Order as it was used in Rome is the Temple of Fortuna Virilis.



1 Residence—  
Medford, Oregon  
Ionic Columns  
with Greek  
Erectheum Caps  
and Attic Bases



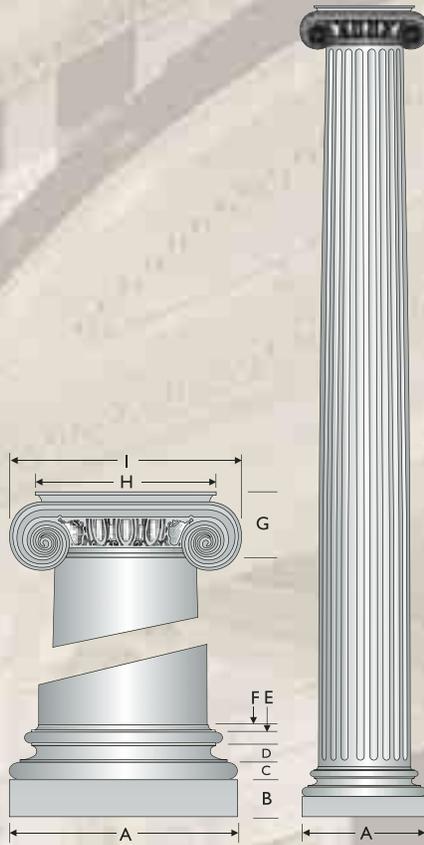
2

2 Residence—  
Hartsville,  
Tennessee  
Ionic Columns  
with Scamozzi  
Caps and  
Attic Bases



3

3 Residence—  
Medford, Oregon  
Solid-stave  
White Oak Ionic  
Columns with  
Temple of  
Winds Cap



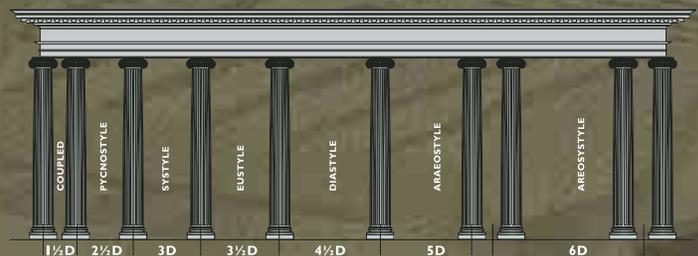
Ionic Tapered Shaft				Fluting Specs				Attic Base					Ionic Cap			
Outside Dia.		Inside Dia.		No.	Width	Plinth		Base Molding			Base Height		Height	Abacus	Scroll	
Bottom	Top	Bottom	Top			A	B	C	D	E	F	B-F	G	H	I	
▶ 6"	4-3/4"	3"	2-1/2"	24	1/2"	8"	1"	3/4"	3/4"	1/2"	1/2"	3-1/2"	2-1/4"	6-1/8"	8-1/16"	
▶ 8"	6-1/2"	5-1/4"	4-3/8"	24	11/16"	10-3/4"	1-7/8"	1-1/8"	7/8"	3/4"	1/2"	5-1/8"	3"	8-1/4"	10-1/2"	
▶ 10"	8-1/2"	7-1/4"	6-3/8"	24	7/8"	13-3/8"	2-3/8"	1-1/4"	1-1/8"	7/8"	5/8"	6-1/4"	3-5/8"	11"	13-1/2"	
▶ 12"	10"	9"	7-3/4"	24	1"	16-1/8"	2-3/4"	1-1/2"	1-3/8"	1"	5/8"	7-1/4"	4-1/2"	12-1/2"	16-1/2"	
▶ 14"	12"	10-1/8"	9"	24	1-1/4"	18-3/4"	3-3/8"	1-3/4"	1-5/8"	1-1/4"	3/4"	8-3/4"	5-1/2"	17-1/2"	23"	
▶ 15"	12-3/4"	11-7/16"	10"	24	1-11/32"	20-1/8"	3-5/8"	1-15/16"	1-3/4"	1-5/16"	13/16"	9-7/16"	6-1/8"	17-1/2"	22"	
▶ 16"	13-1/2"	12"	10"	24	1-7/16"	21-1/2"	3-7/8"	2-1/8"	1-7/8"	1-3/8"	7/8"	10-1/8"	6-1/8"	17-1/2"	22"	
▶ 18"	15"	14-1/4"	12"	24	1-1/2"	24-1/4"	4-1/4"	2-3/8"	2-1/8"	1-1/2"	1-1/8"	11-3/8"	6-1/2"	20"	24-1/4"	
▶ 20"	17"	16-1/4"	13"	24	1-11/16"	27"	4-3/4"	2-5/8"	2-3/8"	1-3/4"	1-3/8"	12-7/8"	7-5/8"	25"	27-1/2"	
▶ 22"	18-1/2"	18-1/4"	15"	24	1-15/16"	29-3/4"	5-1/4"	2-7/8"	2-5/8"	1-7/8"	1-5/8"	14-1/4"	8-3/4"	25"	31-3/4"	
▶ 24"	20"	20-1/4"	17"	24	2-1/8"	32-1/2"	5-3/4"	3-3/16"	2-7/8"	2-1/8"	1-3/4"	15-11/16"	9"	25-1/4"	33"	
▶ 26"	22"	22-1/8"	19"	24	2-1/4"	35"	6-1/4"	3-3/8"	3-1/8"	2-1/4"	1-7/8"	16-7/8"	9-1/2"	26-1/2"	33-3/4"	
▶ 28"	23-1/2"	24-1/8"	21"	24	2-11/16"	38"	6-3/4"	3-3/4"	3-3/8"	2-3/8"	1-7/8"	18-1/8"	12-1/2"	32"	40-1/4"	
▶ 30"	25"	26-1/4"	22"	24	2-7/8"	40-1/2"	7-1/4"	3-7/8"	3-5/8"	2-5/8"	1-7/8"	19-1/4"	12-1/2"	32"	40-1/4"	

▶ Polyurethane Caps & Bases ▶ Fiberglass Caps & Bases

## IONIC INTERCOLUMNNIATION

Ionic Columns are available in fluted or unfluted versions. They may be ordered in Vignola's architectural proportions as described above or in custom combinations of column lengths and widths as well as in non-tapered cylinders.

Square Architectural Columns and Pilasters to match detail of Round Tapered Columns are available.



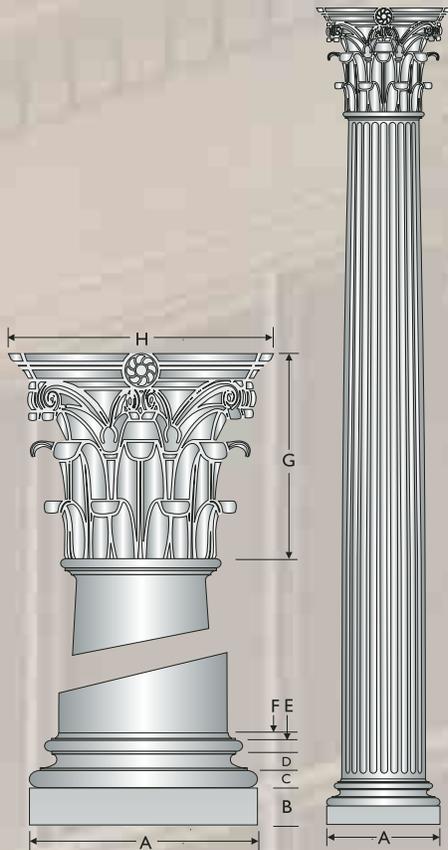
# CORINTHIAN - 1000

Columns of the Corinthian Order are crowned with an inverted bell-shaped capital. The capital is richly adorned with Acanthus leaves. Like the Ionic, the Corinthian column exhibits 24 flutes and an Attic Base. The height of Corinthian columns, including capital and base, is ten diameters. This is a common Roman order that was used on the Temple of Mars Ultor.



1 Saint James Church—  
Basking Ridge,  
New Jersey  
Corinthian  
Column with  
Corinthian  
Cap and  
Attic Base

2 Residence—  
Nashville,  
Tennessee  
Corinthian  
Columns



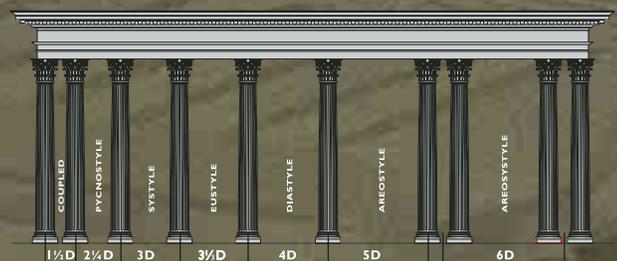
Corinthian Tapered Shaft				Fluting Specs				Attic Base				Corinthian Cap			
Outside Dia.		Inside Dia.		No.	Width	Plinth		Base Molding			Base Height		Height		Width
Bottom	Top	Bottom	Top			A	B	C	D	E	F	B-F	G	H	
▶ 6"	4-3/4"	3"	2-1/2"	24	1/2"	8"	1"	3/4"	3/4"	1/2"	1/2"	3-1/2"	7"	9-1/2"	
▶ 8"	6-1/2"	5-1/4"	4-3/8"	24	11/16"	10-3/4"	1-7/8"	1-1/8"	7/8"	3/4"	1/2"	5-1/8"	10-1/4"	12-3/4"	
▶ 10"	8-1/2"	7-1/4"	6-3/8"	24	7/8"	13-3/8"	2-3/8"	1-1/4"	1-1/8"	7/8"	5/8"	6-1/4"	12"	15"	
▶ 12"	10"	9"	7-3/4"	24	1"	16-1/8"	2-3/4"	1-1/2"	1-3/8"	1"	5/8"	7-1/4"	15-1/2"	18-1/2"	
▶ 14"	12"	10-1/8"	9"	24	1-1/4"	18-3/4"	3-3/8"	1-3/4"	1-5/8"	1-1/4"	3/4"	8-3/4"	17"	22"	
▶ 15"	12-3/4"	11-1/16"	10"	24	1-11/32"	20-1/8"	3-5/8"	1-15/16"	1-3/4"	1-5/16"	13/16"	9-7/16"	17"	22"	
▶ 16"	13-1/2"	12"	10"	24	1-7/16"	21-1/2"	3-7/8"	2-1/8"	1-7/8"	1-3/8"	7/8"	10-1/8"	20"	27"	
▶ 18"	15"	14-1/4"	12"	24	1-1/2"	24-1/4"	4-1/4"	2-3/8"	2-1/8"	1-1/2"	1-1/8"	11-3/8"	23"	32-1/2"	
▶ 20"	17"	16-1/4"	13"	24	1-11/16"	27"	4-3/4"	2-5/8"	2-3/8"	1-3/4"	1-3/8"	12-7/8"	25-1/2"	39"	
▶ 22"	18-1/2"	18-1/4"	15"	24	1-15/16"	29-3/4"	5-1/4"	2-7/8"	2-5/8"	1-7/8"	1-5/8"	14-1/4"	28-1/2"	42"	
▶ 24"	20"	20-1/4"	17"	24	2-1/8"	32-1/2"	5-3/4"	3-3/16"	2-7/8"	2-1/8"	1-3/4"	15-11/16"	28-1/2"	42"	
▶ 26"	22"	22-1/8"	19"	24	2-1/4"	35"	6-1/4"	3-3/8"	3-1/8"	2-1/4"	1-7/8"	16-7/8"	32"	42"	
▶ 28"	23-1/2"	24-1/8"	21"	24	2-11/16"	38"	6-3/4"	3-3/4"	3-3/8"	2-3/8"	1-7/8"	18-1/8"	34"	46"	
▶ 30"	25"	26-1/4"	22"	24	2-7/8"	40-1/2"	7-1/4"	3-7/8"	3-5/8"	2-5/8"	1-7/8"	19-1/4"	37-1/2"	46-1/2"	

▶ Polyurethane Caps & Bases ▶ Fiberglass Caps & Bases

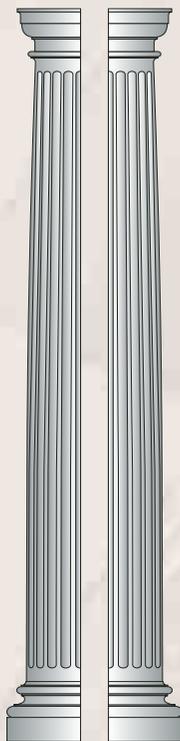
## CORINTHIAN INTERCOLUMNIATION

Corinthian Columns are available in fluted or unfluted versions. They may be ordered in Vignola's architectural proportions as described above or in custom combinations of column lengths and widths as well as in non-tapered cylinders.

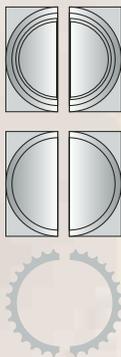
Square Architectural Columns and Pilasters to match detail of Round Tapered Columns are available.



## Column Splitting

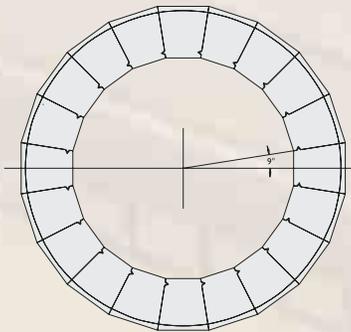


Top Views:



Using a precision splitting template machine, columns can be divided in halves to be used as pilasters or to be reassembled around existing structural members. Columns designed for reassembly come with realignment splines and installation instructions.

## Stave Thicknesses



Shaft Diameter	Unfluted	Fluted
6"	1-1/2"	1-1/2"
8"	1-1/2"	1-1/2"
10"	1-1/2"	2"
12"	1-1/2"	2"
14"	2"	2"
16"	2"	2"
18"	2"	2"
20"	2"	2"
22"	2"	3"
24"	2"	3"
26"	2"	3"
28"	2"	3"
30"	2"	3"
32"	3"	3-1/2"
34"	3"	3-1/2"
36"	3"	3-1/2"

## Architectural Specifications

### 1.0 GENERAL

#### 1.1 PRODUCT DESCRIPTION

- Column shaft shall be standard glued stave construction by Turncraft according to Design No. \_\_\_\_\_ (400) (600) (800) (900) (1000)
- Column will have the correct proportions based on orders of classical architecture.
- Lumber species shall be \_\_\_\_\_ (Clear) (Redwood) (Red Oak) (Poplar) (Hard Maple) (Western Pine) (Cherry) (Mahogany) (Black Walnut) (Western Red Cedar) (Other—Specify)

#### 1.2 SUBMITTALS

- Submit Turncraft literature and shop drawings for customer approval.
- Submit samples of \_\_\_\_\_ (Cap) (Base) (Column Shaft)

#### 1.3 DELIVERY, STORAGE, AND INSTALLATION

- Storage and installation of shafts and Caps & Bases shall be according to manufacturer-supplied instructions.
- Columns must be stored in a dry, well-ventilated area that is not exposed to heat or sunlight.

#### 1.4 WARRANTY

- Manufacturer shall furnish a 10-year limited warranty that its clear, Clear All-Heart Redwood columns with fiberglass Caps & Bases will be free of manufacturing defects, joint separation, and rotting.
- Manufacturer shall furnish a one-year limited warranty on all other wood species against manufacturing defects.

### 2.0 PRODUCTS

#### 2.1 ACCEPTABLE MANUFACTURER:

- Turncraft, P.O. Box 2429, White City, OR 97503 (541) 826-2911, (800) 423-3311

#### 2.2 MATERIALS

- All glue joints are pressure-glued using Type-I waterproof glue and torque bands no more than 18" apart, with 90 to 100 pounds-per-square-inch pressure for a minimum of 24 hours.
- Redwood/Cedar columns shall be factory primed with two coats of acrylic primer and hand sanded between coats. Redwood/Cedar columns for exterior use are to be coated internally with asphalt paint. Exterior Western Pine columns shall be treated with Woodtreat MB wood preservative.
- Capitals shall be flashed with sheet lead or equivalent.
- Ornamental Capitals shall be manufactured of composition plaster and fiberglass fibers. Capitals shall be sealed with an acrylic vinyl waterproofer.
- Plinths shall be made of \_\_\_\_\_ (Aluminum) (High-Density Fiberglass) for exterior use or \_\_\_\_\_ (Wood) for interior.
- Square columns shall match specifications of round columns as stated in these architectural specifications.
- Column shafts shall be made of \_\_\_\_\_-inch nominal thickness finger-jointed stock.

### 3.0 EXECUTION

#### 3.1 INSTALLATION

- Follow manufacturer's detailed installation guidelines.

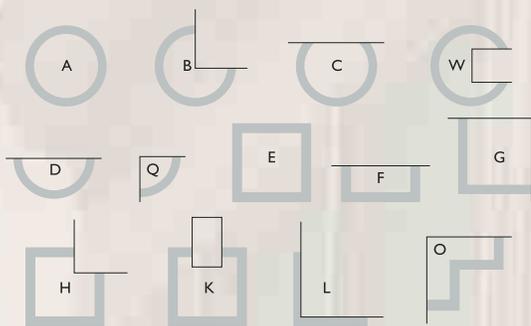
## Project Planning

Turncraft has become the country's leading supplier of wood columns for residential and commercial applications, shipping columns to job sites daily from its East and West Coast warehouses. Architectural Columns can usually be shipped in four to six weeks from receipt of design specifications.

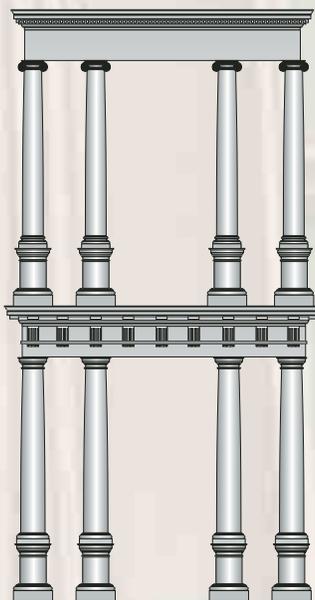
- Quantity Desired: \_\_\_\_\_
- Column Style: \_\_\_\_\_ (Greek Doric) (Tuscan) (Roman Doric) (Ionic) (Corinthian)
- Plan Type: \_\_\_\_\_ (A) (B) (C) (D) (E) (F) (G) (H) (K) (L) (O)
- Shaft Type: \_\_\_\_\_ (Round) (Square)
- Profile: \_\_\_\_\_ (Tapered) (Non-tapered)
- Bottom Shaft Diameter or Width: \_\_\_\_\_
- Overall Length: \_\_\_\_\_
- Fluting: \_\_\_\_\_ (Doric) (Ionic) (None)
- Wood Species: \_\_\_\_\_ (Western Pine) (Redwood) (Poplar) (Red Oak) (Hard Maple) (Cherry) (Black Walnut) (Western Red Cedar) (Mahogany) (Other)
- Stave Construction: \_\_\_\_\_ (Finger-jointed Staves) (Solid Staves)
- Usage: \_\_\_\_\_ (Interior Paint-grade) (Interior Stain-grade) (Exterior Paint-grade)
- Project: \_\_\_\_\_ (New Construction) (Restoration Replacement)
- Splitting: \_\_\_\_\_ (For Pilaster) (For Reassembly)
- Bases: \_\_\_\_\_ (Attic) (Roman Doric) (Tuscan) (Other)
- Capitals/Ornamentals: \_\_\_\_\_ (Roman Corinthian) (Empire) (Greek Angular Ionic) (Temple of Winds) (Greek Erectheum) (Roman Ionic) (Roman Doric Ornamental) (Scamozzi)
- Capitals/Architectural: \_\_\_\_\_ (Greek Doric) (Roman Doric) (Tuscan) (Other)
- Cap & Base Materials: \_\_\_\_\_ (Polyurethane) (Fiberglass) (Aluminum-Plinth Only) (Wood) (Other)
- Other Services: \_\_\_\_\_ (Priming) (Asphalt Priming of Shaft Interior) (Lead Flashing)
- Additional Desired Items/Services: \_\_\_\_\_ (Project Shop Drawings) (Samples—Caps, Bases, Shafts) (Other)

## Plan Types

Turncraft Columns are available in the following plan types. Please specify when you order:



## Superposition



The view of Renaissance authority Scamozzi was that the lower diameter of a top column should equal the upper diameter of the column underneath. The superior order should always be placed over the inferior, that is Corinthian over Ionic, Doric, Tuscan. The more slender and elegant orders should be placed over the stockier and more solidly built if a top-heavy design is not desired. An ancient example of this descending order is the Colosseum in Rome, which has at least four stories of superpositioned orders.

## Calculated Safe-Load Capacities

Shaft Dia.	Pine	Redwood	Shaft Dia.	Pine	Redwood
6"	2,567	5,146	22"	18,426	24,212
8"	4,114	7,646	24"	20,018	26,272
10"	5,497	10,474	26"	22,252	36,870
12"	6,620	12,535	28"	24,001	39,519
14"	11,017	15,282	30"	25,746	42,169
16"	12,307	17,343	32"	42,080	55,317
18"	14,487	19,404	34"	44,567	57,476
20"	16,688	22,151	36"	47,054	61,794

The sample columns tested supported loads at least four times the calculated value above prior to failure. The load was applied concentrically through the axis of the column. Loads shown are valid only if there is uniform contact between the full area of column ends and the Cap & Base units. Loads are provided for your convenience only and are not exact values. Consult a structural engineer for the most-accurate load estimates.



1

1 St. James Church—  
Basking Ridge,  
New Jersey  
Square Corinthian  
Columns with  
Corinthian Cap



2

2 I. Magnin Store—  
San Diego,  
California  
Custom Square  
Columns



3

3 Residence—  
Chicago, Illinois  
Tuscan Columns  
with Tuscan  
Caps & Bases

4 Bear Creek Corporation  
Headquarters—  
Medford, Oregon  
Custom, Hard  
Maple Non-  
tapered Columns



4

5 Residence—  
Medford, Oregon  
Tuscan Columns  
with Tuscan  
Caps & Bases



5

## Traditional Craftsman Columns—Today's Technology



Born out of the understated, practical tradition of the early 1900s Arts and Crafts movement, the square tapered column has become popular in modern adaptations of the Craftsman, Prairie, Bungalow, Country, and even Mission style homes of today. Poly-Classic® Craftsman Series Columns give builders and homeowners the opportunity to recapture the simple, honest artistry of yesterday's craftsmen with today's most advanced materials and construction techniques. They are offered in tapered and non-tapered, fluted, and raised panel styles.

## Classics from Today's Most Advanced Materials



Enjoy the aesthetics of architecturally proportioned columns with the benefits of fiberglass-reinforced polymer (FRP)—freedom from the attacks of ants, termites, and fungi and from the effects of moisture, heat, and cold. Poly-Classic® Columns have the enduring characteristics of stone. Structurally, the single-piece, hollow Poly-Classic Columns are among the most versatile supports available. They come in fluted or unfluted Tuscan styling with matching Tuscan Caps & Bases as standard. Attic Bases and Ornamental Capitals are optional. Ask for details about Turncraft's limited lifetime warranty.

## The Aesthetic Alternative—Real Wood Accents



Select from a full range of practically priced fluted or unfluted Colonial Columns or traditional Porch and Lamp Posts to complete your projects on time and within budget. Order column diameters from 6" to 24" and heights to 30'. Paint-grade Western Pine columns are ready for immediate delivery from distributors in all 50 states. Interior, stain-grade columns in a wide range of wood species are available by special order. Columns are shipped with high-density polyurethane Caps & Bases. Porch and Lamp Posts are available in 8', 9', and 10' heights and widths of 4", 5", and 6". They are turned from finger-jointed, kiln-dried western wood species.



**TURNCRAFT**  
ARCHITECTURAL

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