

AUTHENTIC REPLICATION™ STAIN GRADE COLUMNS • WOOD

DESIGN

Chadsworth is known for its production of *authentically correct* replication columns based on the rigorous architectural guidelines for columnar orders first laid down by the Renaissance master architect, Giacomo da Vignola, in 1563. All of our Authentic Replication designs replicate the exact proportions specified by Vignola and are derived from the five original orders of architecture: Doric, Tuscan, Ionic, Corinthian and Composite.

OFFERINGS

Chadsworth constructs the finest stain grade Authentic Replication columns and pilasters for interior use. Our skilled craftsmen carefully hand select and color match solid column staves from premium hardwoods and softwoods. Large size column shafts may require nominal finger-joints. Our stain grade products are hand sanded prior to shipping and arrive ready to finish. Our craftsmen choose the woods much like an artist selects a color for a palette for its dramatic or subtle effect.

CONSTRUCTION MATERIALS

Columns are available in hardwoods in Ash, Birch, Cherry, Bird's Eye Maple, Hard Maple, Red Oak, White Oak, Poplar, Walnut, African Mahogany, Honduras Mahogany, and Teak. In softwoods, they are available in Cypress, Douglas Fir, Northern White Pine, Southern Yellow Pine, Redwood, and Western Red Cedar. We are working to bring more exotic species to the column marketplace every year.

ARCHITECTURAL WOODWORK INSTITUTE'S QUALITY STANDARDS

The following information is taken from the **Architectural Woodwork Quality Standards**, 7th Edition, Version 1.0, 1997: *"Wood is a natural material, with variations in color, texture and figure. These variations are influenced by the natural growing process and are uncontrollable by the woodworker. The color of wood within a tree varies between the "sapwood" (the outer layers of the tree which continue to transport sap), which is usually lighter in color than the "heartwood" (the inner layers in which the cells have become filled with natural deposits). Various species produce different grain patterns (figures), which influence the selection process. There will be variations of grain patterns within any selected species. The architectural woodworker cannot select solid lumber cuttings within a species by grain and color in the same manner in which veneers may be selected. Color, texture and grain variations will occur in the finest architectural woodworking."

*Architectural woodwork products are manufactured as designed from wood that has been kiln dried to an appropriate average moisture content and maintained at this condition up to the time of delivery. Subsequent dimensional change in wood is and always has been an inherent natural property of wood. These changes cannot be the responsibility of the manufacturer or products made from it. Specifically: 1) Responsibility for dimensional change problems in wood products resulting from improper design rests with the designer/architect/specifier. 2) Responsibility for dimensional change problems in wood products resulting from improper relative humidity exposure during site storage and installation rests with the contractor. 3) Responsibility for dimensional change problems in wood products resulting from humidity extremes after occupancy rests with engineering and maintenance.

*Published by the Architectural Woodwork Institute, Reston, Virginia. All rights reserved. Reprint permission, 1999

THE CATALOG COVER

Our Authentic Replication Columns are of the finest quality and finish beautifully. The Greek Doric columns pictured on the front of our catalog are cherry wood, with cherry stain. They were placed at the entrance to the living room of this home to draw the eye into the room and add drama. Our Stain Grade Columns and Pilasters are available with plain or fluted shafts in all designs.

CAPITALS

Our synthetic-resin wood grain interior capitals are constructed with solid wood fiber bodies and composite decorative components to sit on top of the columns or pilasters. These capitals are stainable to look like wood. Please call our sales consultants for sizes and prices of columns, pilasters and capitals.

FINISHING

Do not use installation instructions for paint-grade columns. Do not prime or paint stain-grade columns.

PROPERTIES OF COMMONLY USED SPECIES

Hardwoods

Ash - creamy white to light brown in color, open grain, excellent for transparent finish, excellent strength and bold grain. Specify natural (mixed heart and sap), or select white (all sap).

Birch - white to dark red in color, closed grain, good for transparent finish, excellent architectural wood, plentiful supply. Specify natural (mixed heart and sap), select white (all sap), or select red (all heart).

Cherry - reddish brown in color, closed grain, excellent transparent finish, beautiful wood, specify natural (mixed heart and sap), or select red (all heart).

Hard Maple - white to reddish brown in color, closed grain, good for transparent finish, plentiful supply, excellent properties. specify natural (mixed heart and sap) or select white (all sap).

Red Oak - reddish tan to brown in color, open grain, excellent for transparent finish, excellent architectural wood, plentiful supply.

White Oak - greyish tan in color, open grain, excellent for transparent finish, excellent architectural wood, moderate supply.

Poplar - white to brown with green cast in color, closed grain, good for transparent finish.

Walnut - chocolate brown in color, open grain, good for transparent finish.

African Mahogany - rich golden brown in color, open grain, excellent for transparent finish.

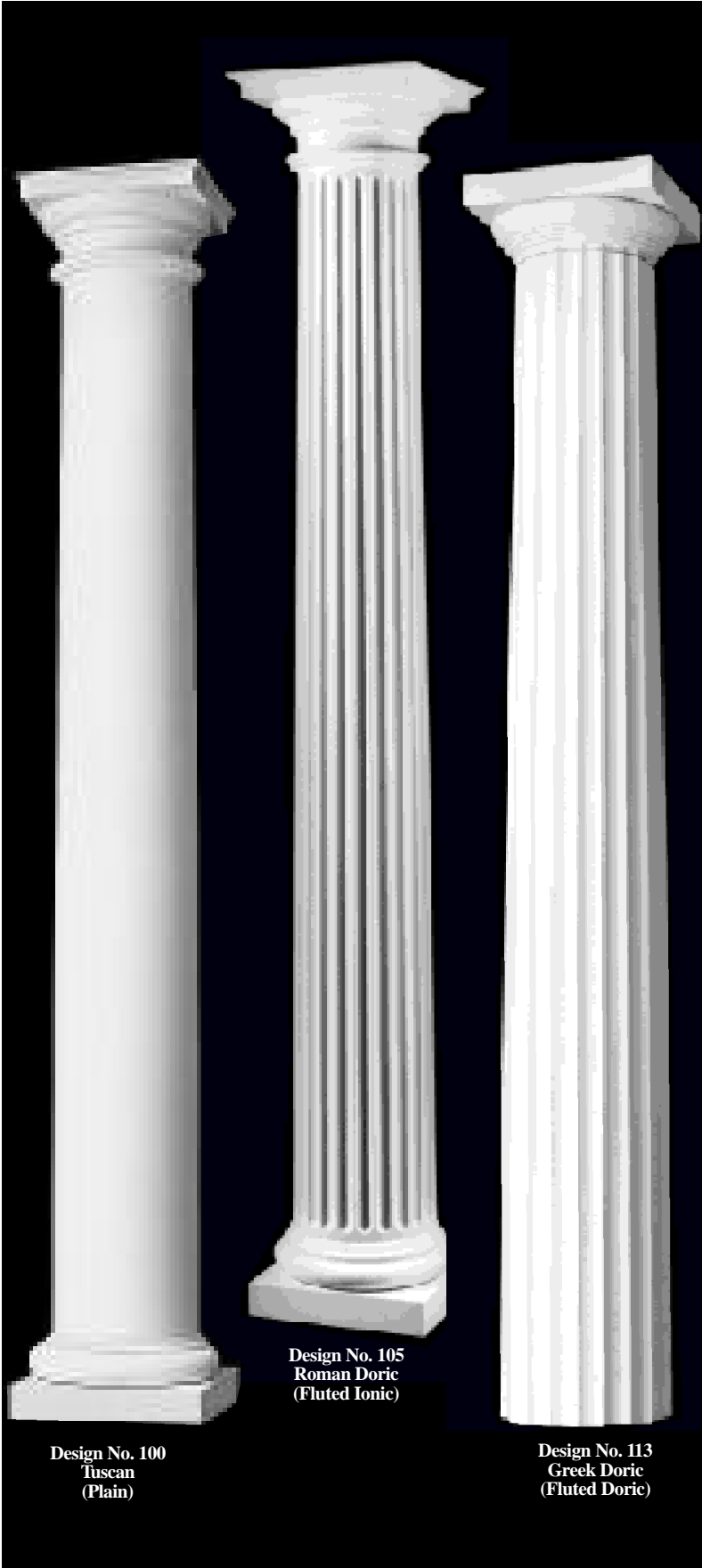
Honduras Mahogany - rich golden brown in color, open grain, excellent for transparent finish.

Softwoods

Cypress - yellowish brown in color, closed grain, good for transparent finish.

Douglas Fir - reddish tan in color, closed grain, good for transparent finish.

AUTHENTIC REPLICATION™ COLUMNS • WOOD



Design No. 100
Tuscan
(Plain)

Design No. 105
Roman Doric
(Fluted Ionic)

Design No. 113
Greek Doric
(Fluted Doric)

Type I Design Series 100 Round Tapered Columns

Orders under \$3,000 - add 5% handling.

Bottom Diameter x Height	Pine/Poplar Fingerjointed		Redwood/Cedar Fingerjointed	
	Plain	Fluted	Plain	Fluted
For smaller sizes, please call sales office.				
8" x <8'	Please call for prices.			
8" x 8'	\$598	\$794	\$630	\$826
8" x 9'	636	866	672	902
8" x 10'	657	887	697	927
8" x 12'	741	980	789	1,027
10" x <8'	Please call for prices.			
10" x 8'	770	982	807	1,020
10" x 9'	830	1,060	872	1,102
10" x 10'	856	1,086	903	1,133
10" x 12'	943	1,215	999	1,272
10" x 14'	1,063	1,352	1,129	1,419
12" x <8'	Please call for prices.			
12" x 8'	969	1,199	1,030	1,198
12" x 9'	1,061	1,300	1,129	1,368
12" x 10'	1,102	1,341	1,178	1,416
12" x 12'	1,235	1,508	1,326	1,598
12" x 14'	1,368	1,666	1,474	1,772
12" x 16'	1,518	1,842	1,639	1,963
14" x 8'	1,162	1,392	1,232	1,462
14" x 9'	1,261	1,499	1,340	1,578
14" x 10'	1,309	1,547	1,397	1,635
14" x 12'	1,464	1,727	1,569	1,833
14" x 14'	1,636	1,908	1,759	2,031
14" x 16'	1,799	2,089	1,940	2,230
14" x 18'	2,006	2,303	2,164	2,462
16" x 8'	1,311	1,549	1,392	1,630
16" x 9'	1,417	1,655	1,508	1,746
16" x 10'	1,472	1,710	1,573	1,811
16" x 12'	1,649	1,930	1,771	2,051
16" x 14'	1,835	2,125	1,977	2,266
16" x 16'	2,022	2,328	2,183	2,490
16" x 18'	2,250	2,582	2,432	2,764
16" x 20'	2,445	2,811	2,647	3,013
18" x 8'	1,631	1,861	1,722	1,951
18" x 9'	1,744	1,982	1,846	2,084
18" x 10'	1,805	2,043	1,918	2,156
18" x 12'	2,013	2,285	2,149	2,421
18" x 14'	2,212	2,476	2,371	2,635
18" x 16'	2,420	2,709	2,602	2,891
18" x 18'	2,662	2,943	2,866	3,147
18" x 20'	2,878	3,159	3,105	3,386
20" x 12'	2,242	2,506	2,394	2,657
20" x 14'	2,439	2,719	2,615	2,896
20" x 16'	2,686	2,975	2,887	3,176
20" x 18'	2,950	3,230	3,177	3,457
20" x 20'	3,222	3,478	3,474	3,730
20" x 22'	3,470	3,699	3,747	3,976
For larger sizes or any size not shown on chart, please call sales office.				

Prices are based on orders of four or more columns - orders with less than four are subject to a set-up charge. Solid board redwood columns - please call sales office for prices. For decorative capitals, see pages 21-23. Prices subject to change without notice.

AUTHENTIC REPLICATION™ COLUMNS • WOOD

Type I Design Series 100

Pillar Prices Only * - Non-Tapered**

Orders under \$3,000 - add 5% handling.

Bottom Diameter x Height	Pine/Poplar - Fingerjointed		Redwood/Cedar - Fingerjointed	
	Square Plain	Square Fluted	Square Plain	Square Fluted
	Non-Tapered	Non-Tapered	Non-Tapered	Non-Tapered
For smaller sizes, please call sales office.				
8" x <8' Please call for prices.				
8" x 8'	\$ 602	\$ 866	\$ 646	\$ 908
8" x 9'	651	949	692	997
8" x 10'	677	975	731	1,029
8" x 12'	774	1,072	835	1,133
10" x <8' Please call for prices.				
10" x 8'	733	1,002	794	1,063
10" x 9'	805	1,095	871	1,162
10" x 10'	840	1,131	913	1,204
10" x 12'	946	1,272	1,033	1,357
10" x 14'	1,073	1,414	1,172	1,512
12" x <8' Please call for prices.				
12" x 8'	849	1,118	915	1,184
12" x 9'	934	1,225	1,007	1,296
12" x 10'	970	1,260	1,048	1,339
12" x 12'	1,077	1,402	1,167	1,493
12" x 14'	1,182	1,545	1,286	1,648
12" x 16'	1,305	1,679	1,420	1,797
14" x 8'	1,080	1,349	1,165	1,436
14" x 10'	1,211	1,509	1,313	1,611
14" x 12'	1,335	1,655	1,453	1,772
14" x 14'	1,475	1,815	1,623	1,948
14" x 16'	1,606	1,968	1,754	2,116
14" x 18'	1,779	2,128	1,944	2,291
16" x 8'	1,453	1,730	1,556	1,832
16" x 10'	1,594	1,892	1,713	2,011
16" x 12'	1,713	2,046	1,847	2,181
16" x 14'	1,854	2,208	2,004	2,358
16" x 16'	2,009	2,369	2,174	2,536
16" x 18'	2,157	2,531	2,337	2,713
16" x 20'	2,318	2,737	2,516	2,934
18" x 8'	1,829	2,232	1,961	2,388
18" x 10'	1,985	2,441	2,136	2,623
18" x 12'	2,135	2,650	2,305	2,858
18" x 14'	2,298	2,853	2,487	3,084
18" x 16'	2,455	3,055	2,662	3,312
18" x 18'	2,633	3,249	2,859	3,533
18" x 20'	2,817	3,473	3,062	3,781
20" x 12'	2,572	3,118	2,773	3,363
20" x 14'	2,837	3,598	3,060	3,871
20" x 16'	3,048	3,844	3,291	4,147
20" x 18'	3,278	4,127	3,545	4,458
20" x 20'	3,531	4,423	3,819	4,816
20" x 22'	3,776	4,696	4,086	5,088
For larger sizes or any size not shown on chart, please call sales office.				

Prices are based on orders of four or more columns - orders with less than four are subject to a set-up charge.

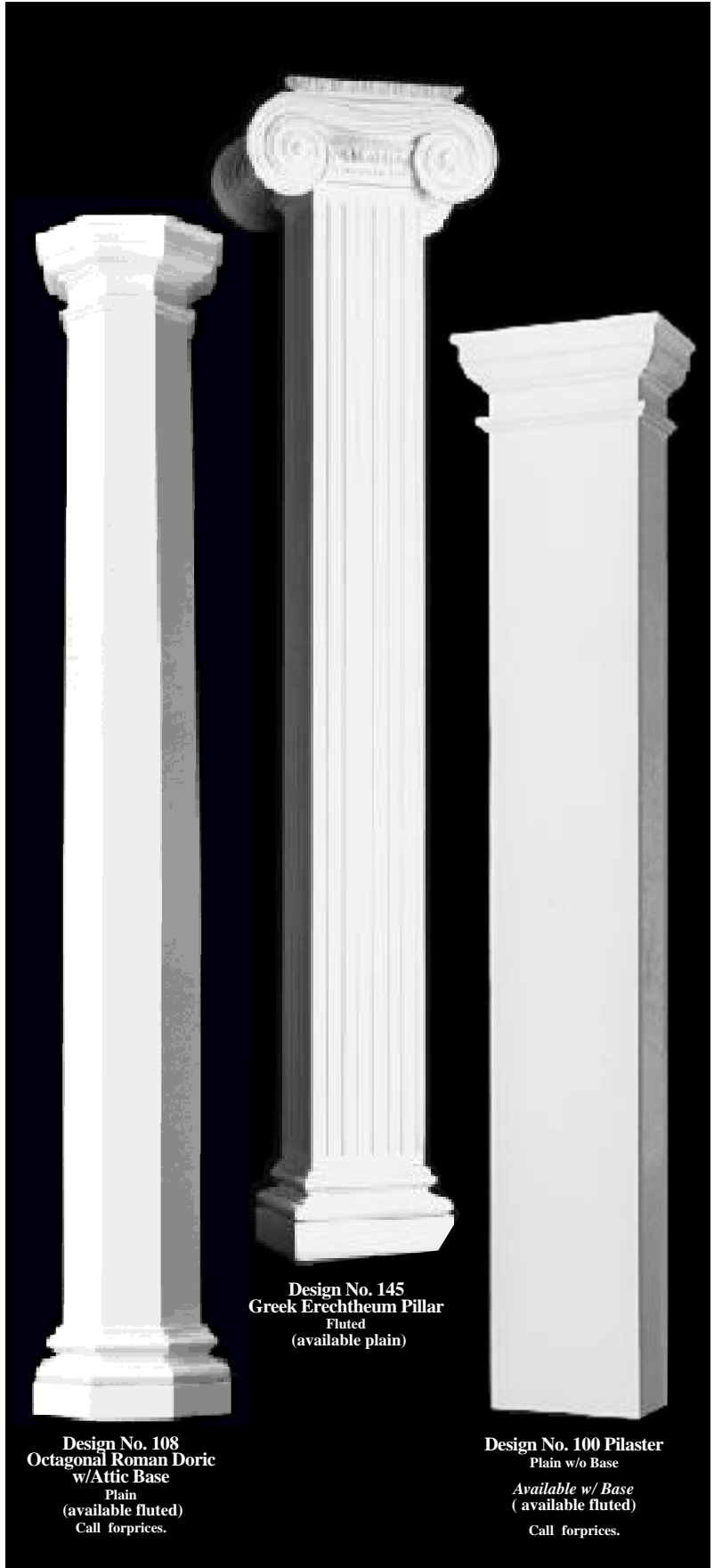
*Pilaster - please call for prices.

*Octagonal - please call for prices.

**Tapered pillars - please call for prices.

For decorative capitals, see pages 21-23.

Prices subject to change without notice.

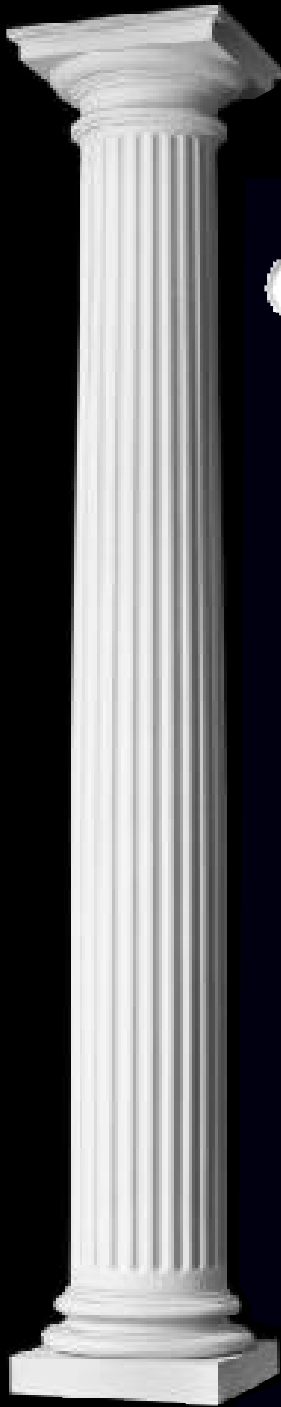


Design No. 108
Octagonal Roman Doric
w/Attic Base
Plain
(available fluted)
Call for prices.

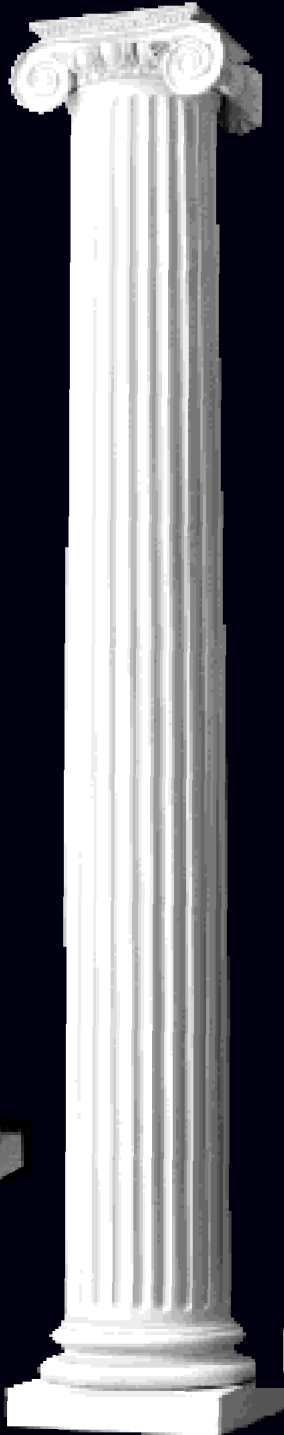
Design No. 145
Greek Erechtheum Pillar
Fluted
(available plain)

Design No. 100 Pilaster
Plain w/o Base
Available w/ Base
(available fluted)
Call for prices.

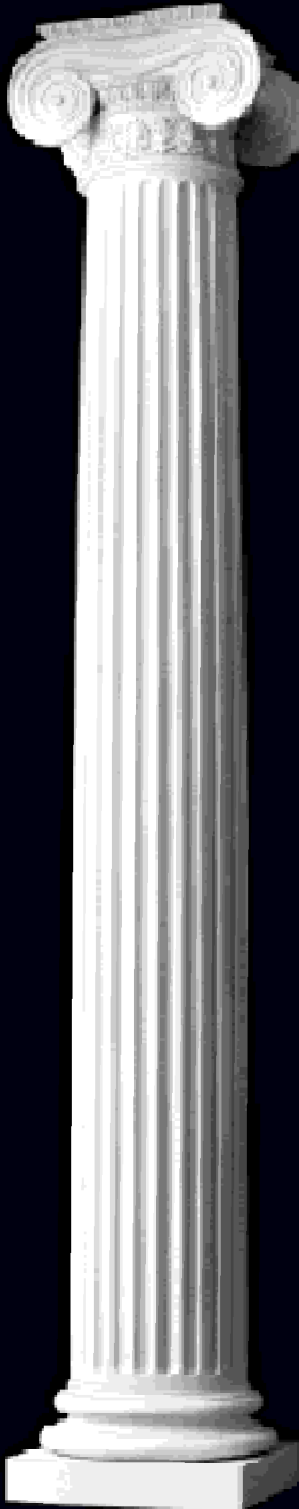
AUTHENTIC REPLICATION™ COLUMNS · WOOD



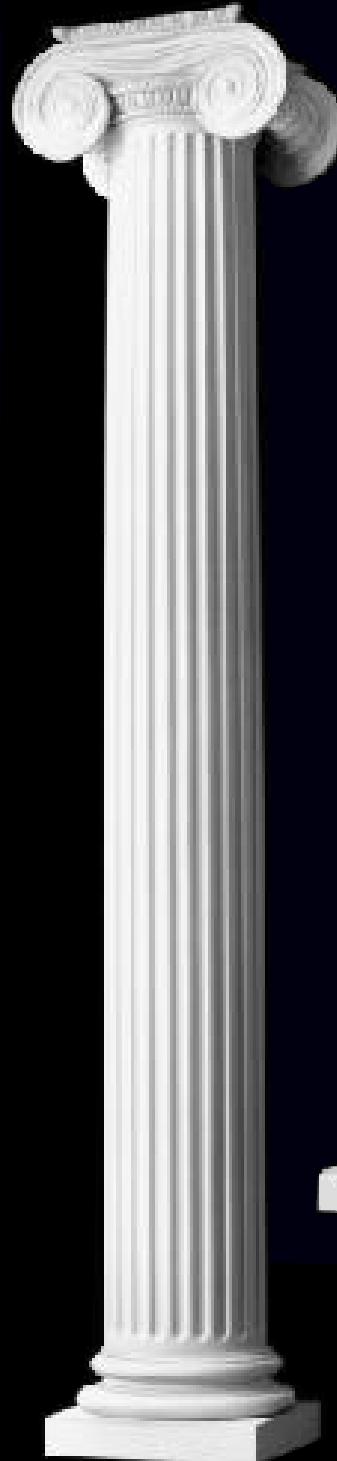
Design No. 109
Roman Doric
Attic Base
(Fluted Ionic)



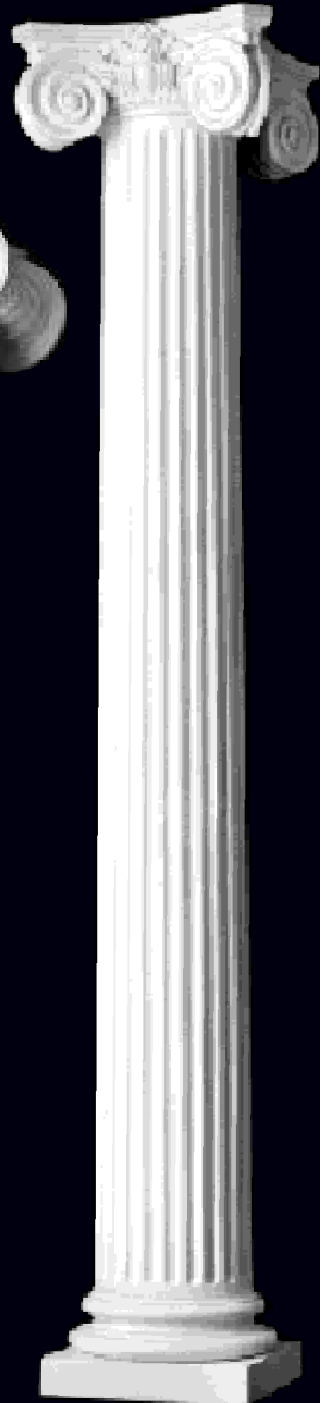
Design No. 129
Roman Ionic
(Fluted Ionic)



Design No. 147
Greek Erechtheum
w/Necking
(Fluted Ionic)

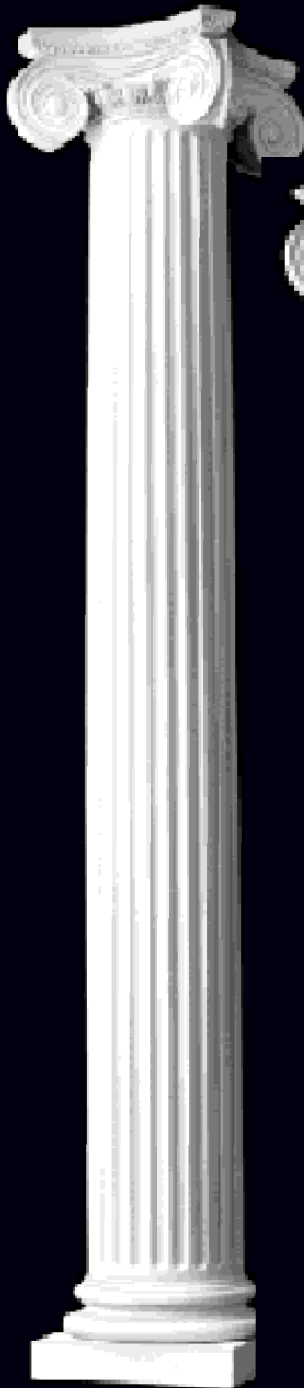


Design No. 145
Greek Erechtheum
(Fluted Ionic)

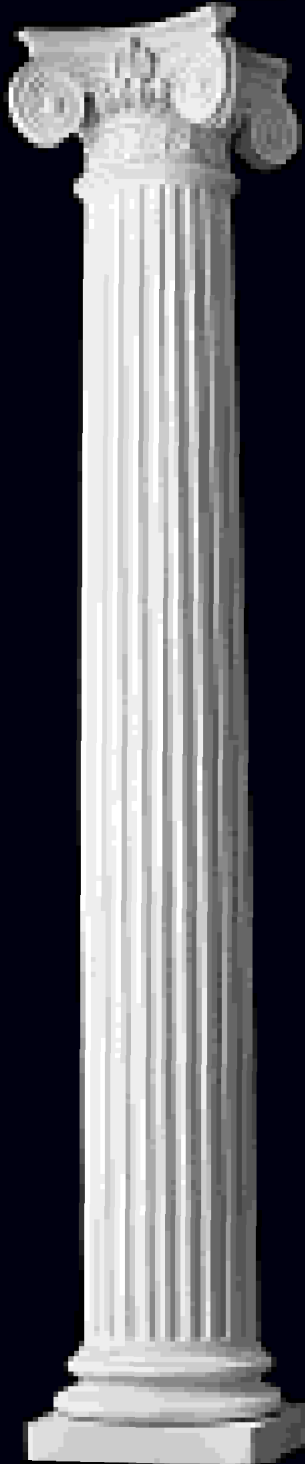


Design No. 133
Scamozzi
(Fluted Ionic)

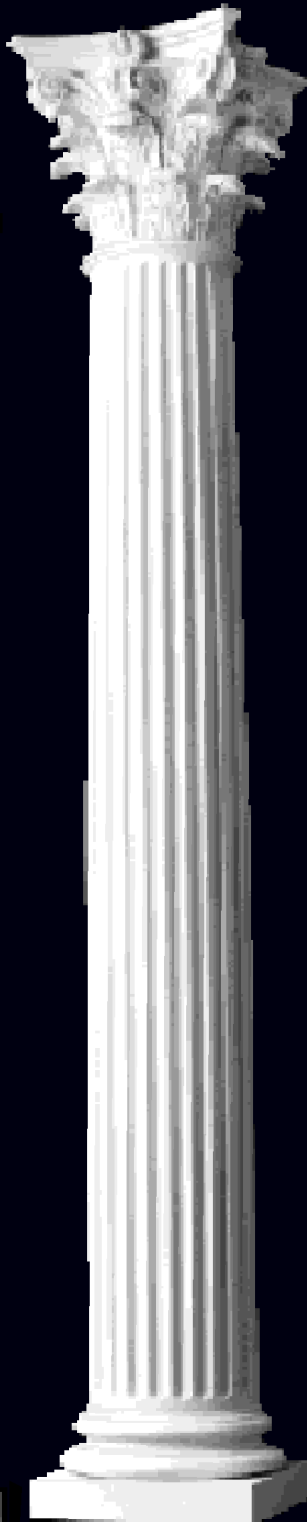
AUTHENTIC REPLICATION™ COLUMNS • WOOD



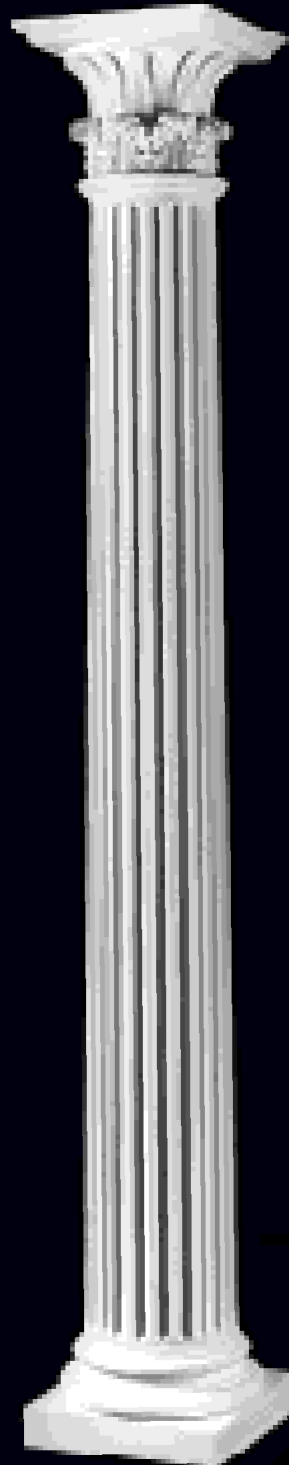
Design No. 141
Greek Angular Ionic
(Fluted Ionic)



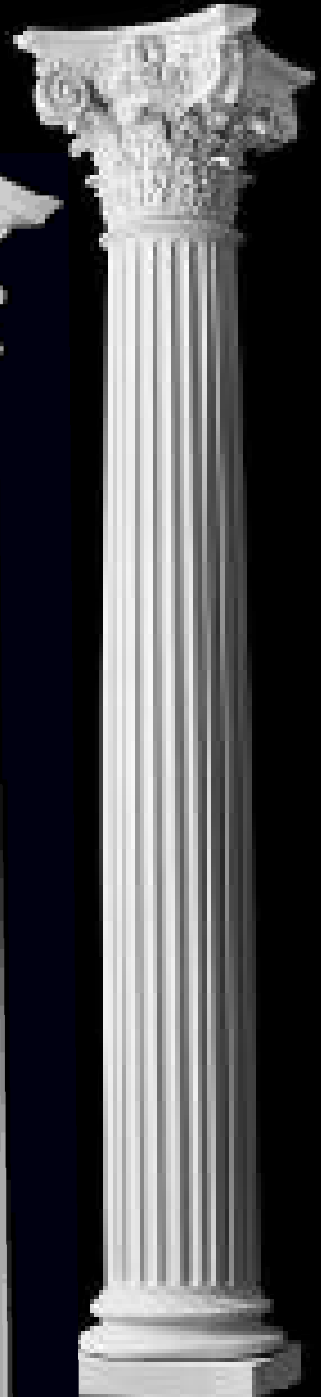
Design No. 139
Empire w/Necking
(Fluted Ionic)



Design No. 121
Roman Corinthian
(Fluted Ionic)

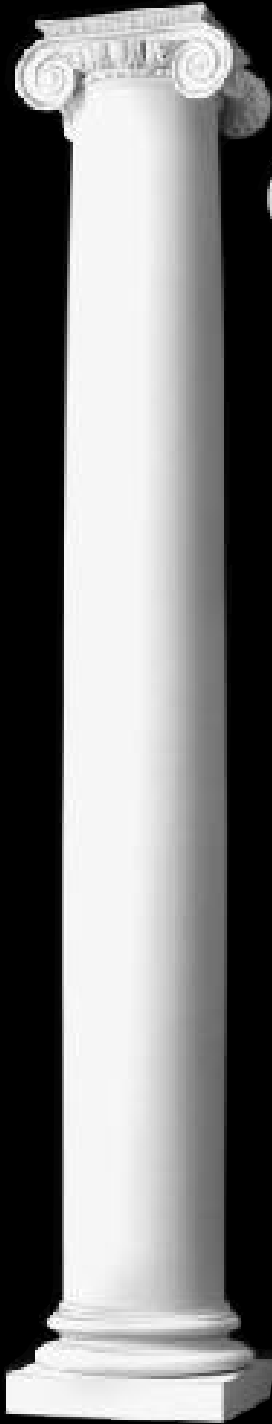


Design No. 117
Greek Corinthian
(Temple of Winds)
(Fluted Ionic)

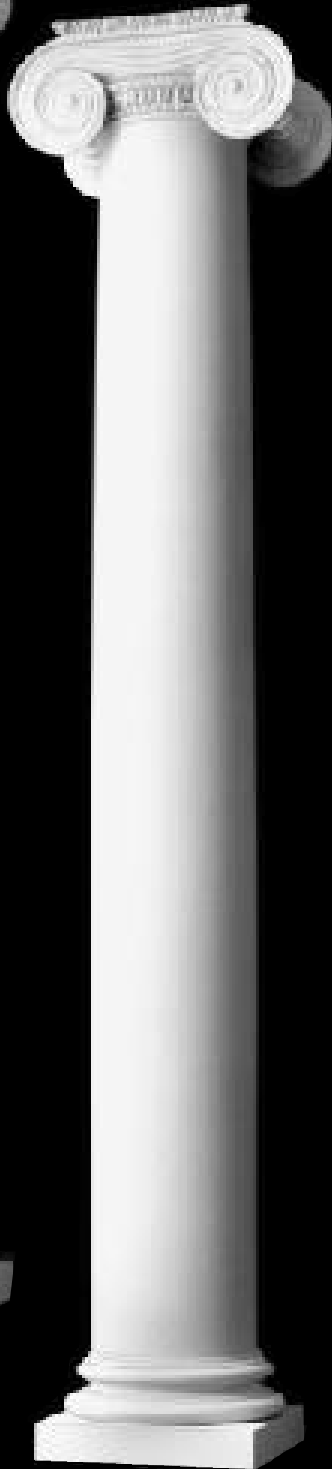


Design No. 125
Composite
(Fluted Ionic)

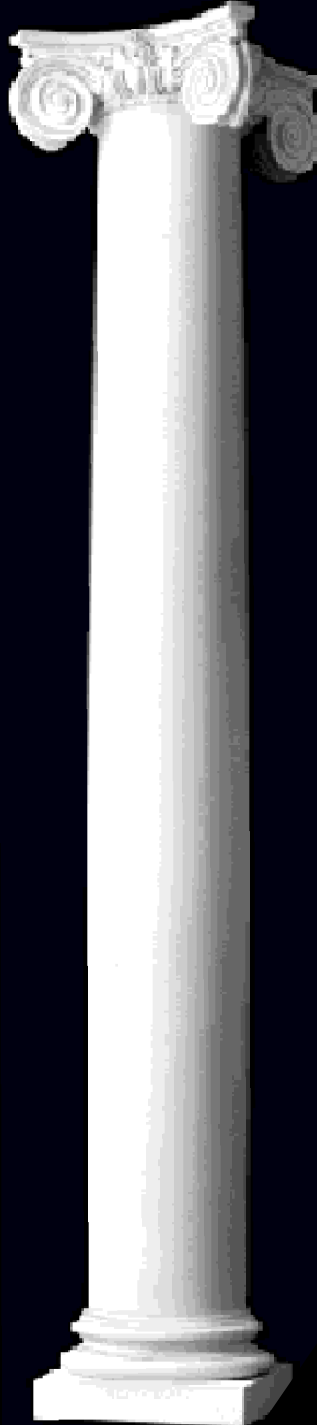
AUTHENTIC REPLICATION™ COLUMNS · WOOD



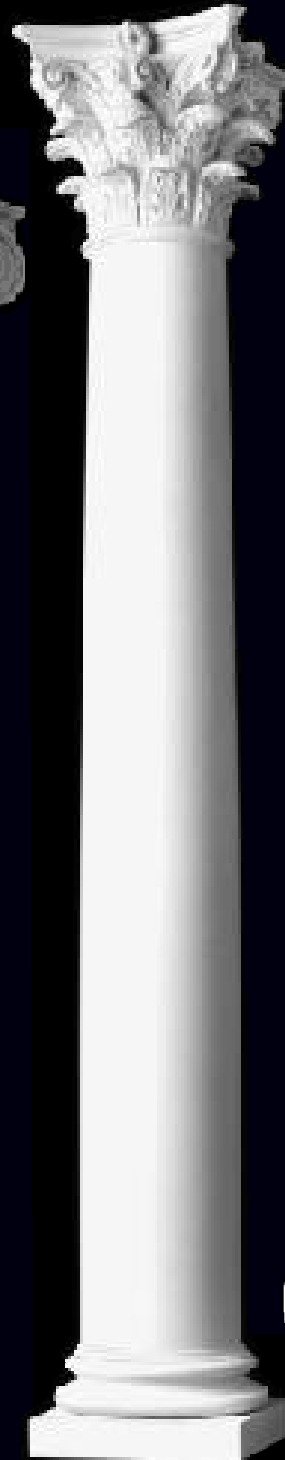
Design No. 128
Roman Ionic
(Plain)



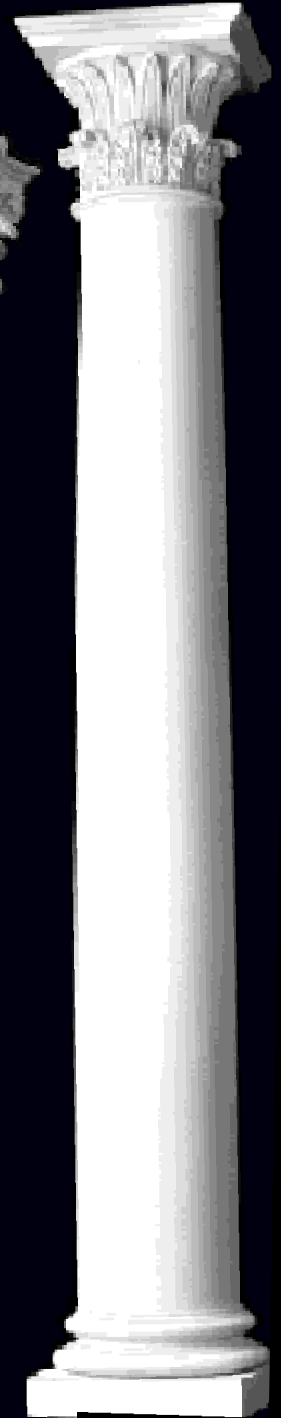
Design No. 144
Greek Erechtheum
(Plain)



Design No. 132
Scamozzi
(Plain)

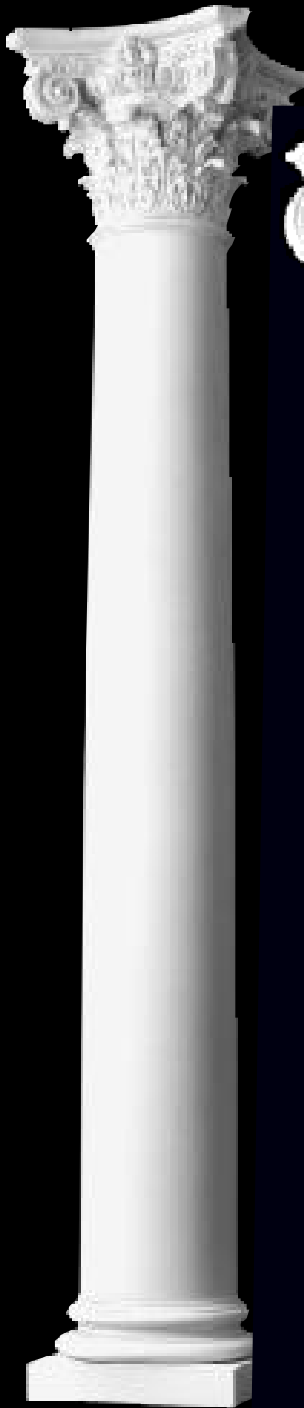


Design No. 120
Roman Corinthian
(Plain)

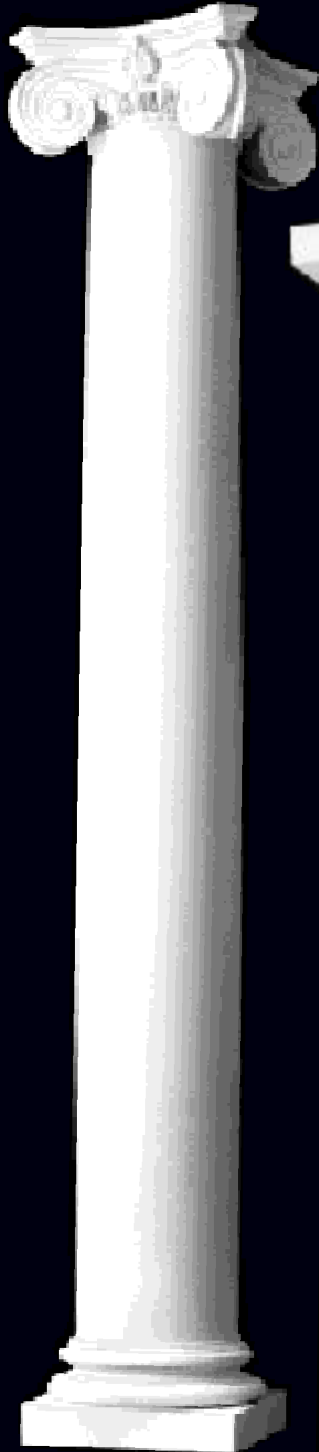


Design No. 116
Greek Corinthian
(Temple of Winds)
(Plain)

AUTHENTIC REPLICATION™ COLUMNS · WOOD



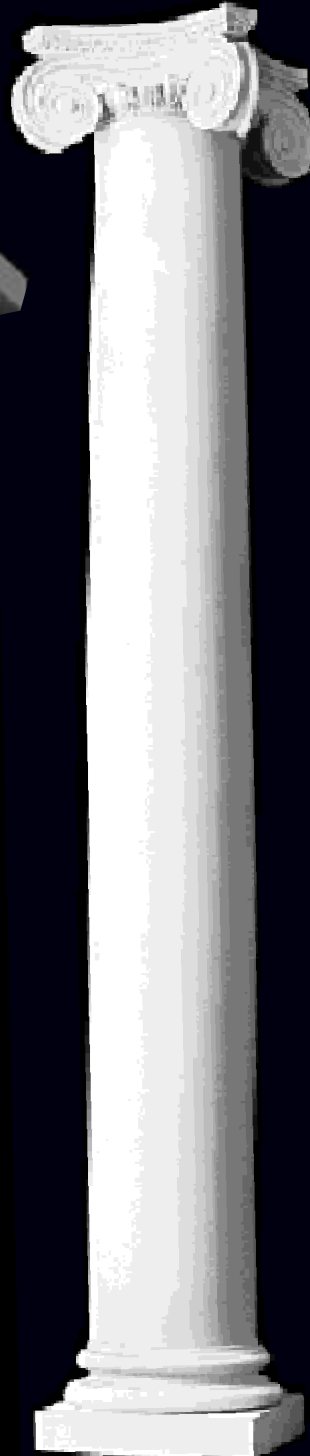
Design No. 124
Composite
(Plain)



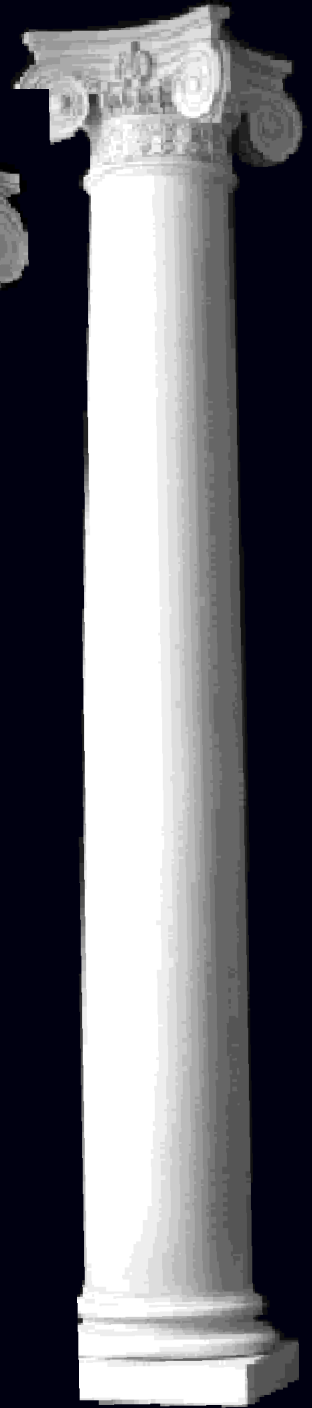
Design No. 136
Empire
(Plain)



Design No. 112
Greek Doric
(Plain)



Design No. 140
Greek Angular Ionic
(Plain)



Design No. 138
Empire w/ Necking
(Plain)