

# Columns Legend



## A moment of inspiration Centuries of Design ideas

Inspired by the possessions of a poor girl that had met a tragic death, the Athenian sculptor, Callimachus, created a piece of art in stone that became a part of the classical language of architecture.

Centuries later, this simple inspiration still helps to fashion the aesthetics of architecture.

### Definitions

<b>Column</b>	A supporting pillar that includes a shaft, capital and base. Columns are differentiated primarily by their capitals and the relative thickness of their shafts. Columns may be solid stacking sections or hollow, half sections.
<b>Pilaster</b>	A half column. May be solid half or hollow.
<b>Tapered</b>	A column shaft that narrows evenly as it rises to the capital. The lower $\frac{1}{3}$ of our tapered columns are straight, then taper to the capital.
<b>Straight</b>	A column shaft that has the same diameter at base and at the capital.
<b>Fluted</b>	A shaft that uses parallel grooves as an embellishment.
<b>Rope</b>	A shaft that is twisted to resemble a rope.
<b>Entasis</b>	A slight convex curvature in the upper two thirds of a column guarding the appearance from an illusion of inward sagging.

### Column Heights

All standard column heights are in even foot increments. The overall column height includes the necessary joints at top and bottom for attachments. For example: a 10'0" column has an actual stone height of 9' 11 $\frac{1}{4}$ " plus  $\frac{3}{8}$ " mortar joints at top and bottom. If your conditions require adjustments, please notify our sales technicians prior to ordering.

### Additional Column Information

Columns are either hollow and split vertically, or solid stacking sections, depending on the shaft size. Shafts of 12" in diameter and smaller are solid, in horizontal sections no more than 36" long. Shafts greater than 12" in diameter are hollow, split in half and installed by alternating vertical mortar joints. The charts on these three pages and on the individual style pages show which columns are solid and hollow. If you need to change from the standard, talk to one of our sales technicians. Hollow shaft columns are usually preferred by most builders. Structurally, it allows for support to be installed early in the construction process. This allows later installation of the stone and helps prevent damage. If load bearing columns are required, the compressive strength of our columns is 6,000 psi. Heights of all standard columns can be adjusted slightly from those on the charts. Our sales technicians can tell you the additional charges required. When ordering, specify the style and exact height you need including the capital and base and we'll take care of the rest. Any variations from this catalog are considered custom work and will be priced according to your requirements.

Weights noted are based on tapered shaft full columns. Straight columns are 90% of the tapered column weight.

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301 Pleasant Drive • Dallas, TX 75217  
(800) 398-1199 • FAX (214) 398-1293  
www.stonelegends.com • sales@stonelegends.com



Above, Tuscan Tapered Hollow Smooth Columns during installation.



Above, an example of possible attachment options.

## Organization Guide

- Type Description
- Primary View
- Surname / Profile
- Dimension

Listed below are available catalog options as shown in this chapter. Refer to page 6 for a complete list of available TypeDescriptions, PrimaryViews and Modifiers.

Product Groups	Type Descriptions	Primary Views	Modifiers
Columns	Columns ColumnsPilaster	Straight Tapered Rope SpecialShape Entasis Octagonal	Fluted Hollow Smooth Solid BarleyTwist Flat

### Fluted Columns and Pilasters

Flutes give a completely different look to a column. Please note that the flutes end approximately 3" above the base for a finished look. Any style column, whether straight or tapered, can have flutes added. Weights of fluted columns are the same as for the smooth columns shown.

### Rectangular Flutes

Based on a classical design, our fluted rectangular column and pilaster are an exceptional value.

### Pricing Legend

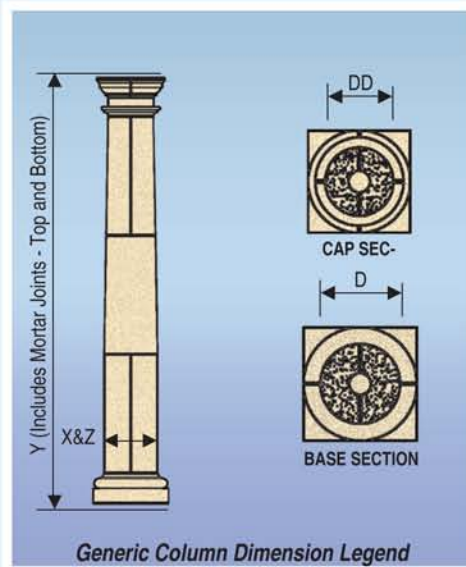
Column costs are calculated based on an **Each Unit Basis**.

Refer to the **Stone Legends Pricing Legend**, located as an insert at the back of the catalog, for more information on calculating stone costs for catalog units.

Alterations may involve additional charges.

### Pilaster Pricing

On all standard column styles, pilasters (half columns) pricing is multiplied by the cost factor of the chosen column by 0.60.



- X** Width of the shaft at the base of the column.
- Z** Depth of the shaft at the base of the column.
- D** Diameter of a column at the base of the shaft.
- DD** Diameter of a tapered column at the top of the shaft.
- Y** Overall height of a column including mortar joints at top and bottom of the column.

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# Columns Legend

## Column Styles

Column styles are defined by shaft and base and designated by the capital. In this chapter, each Column Style is also used as the Surname for each Unit and is the primary search element. Photos of the column capitals and bases are shown.

### Corinthian Columns

Corinthian columns are the most elaborate order of Greek architecture, distinguished by slender shafts and inverted bell shaped capitals, decorated with acanthus leaves and volutes. The ratio of the shaft base diameter (in inches) is approximately equal to 1.25 times the height (in feet) for tapered shaft columns and 1.0 for straight shaft columns. Shafts are available in smooth or fluted surface.



**Corinthian Capital**



**w/ Verona Base**

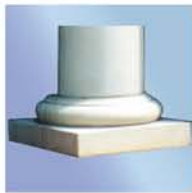
*The Tuscan and Doric Columns have thicker shafts and use Tuscan bases.*

*The Corinthian, Ionic Scamozzi, Temple of the Winds and Verona columns all have slender shafts and use Verona bases.*

### Doric Columns



Roman Doric columns are quite classical in the Roman order of architecture. They have simple lines, heavy shafts and undecorated capitals. The ratio of the shaft base diameter (in inches) is approximately equal to 1.5 times the height (in feet) for tapered shaft columns and 1.28 for straight shaft columns. Shafts are available in smooth or fluted surface.



**Doric Capital  
w/Tuscan Base**

### Scamozzi Columns



The Scamozzi is an Ionic style developed in Renaissance Italy with slender shafts, and capitals that use ornamental scrolls (spiral volutes). The ratio of the shaft base diameter (in inches) is approximately equal to 1.25 times the height (in feet) for tapered shaft columns and 1.0 for straight shaft columns. Shafts are available in smooth or fluted surface.

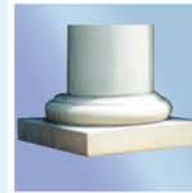


**Scamozzi Capital  
w/ Verona Base**

### Tuscan Columns



Tuscan columns are from the Roman order of architecture and have a heaviness to their shafts and simple, ring-like capitals with no decoration. The ratio of the shaft base diameter (in inches) is approximately equal to 1.5 times the height (in feet) for tapered shaft columns and 1.28 for straight shaft columns. Shafts are available in smooth or fluted surface.



**Tuscan Capital w/  
Tuscan Base**

### Ionic Columns

One of the three orders of columns developed by the Greeks, Ionic column capitals are rectangular and use highly decorated spiral volutes. The ratio of the shaft base diameter (in inches) is approximately equal to 1.25 times the height (in feet) for tapered shaft columns and 1.0 for straight shaft columns. Shafts are available in smooth or fluted surface.



**Ionic Capital  
w/Verona Base**

### Temple of the Winds Columns

Temple of the Winds columns are beautifully decorative, using acanthus and other leaves to support the top. The ratio of the shaft base diameter (in inches) is approximately equal to 1.25 times the height (in feet) for tapered shaft columns and 1.0 for straight shaft columns. Shafts are available in smooth or fluted surface.



**Temple of the Winds  
Capita w/ Verona Base**

### Verona Columns

Verona columns are not of any particular architectural order. They have slender shafts similar to the Corinthian and Scamozzi styles, with an undecorated capital for a simple clean look. The ratio of the shaft base diameter (in inches) is approximately equal to 1.25 times the height (in feet) for tapered shaft columns and 1.0 for straight shaft columns. Shafts are available in smooth or fluted surface.

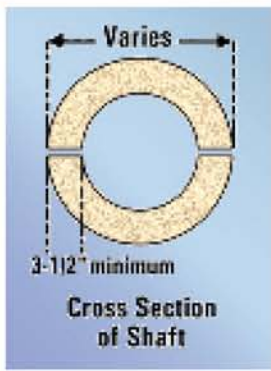


**Verona Capital  
w/Verona Base**

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Above, Tapered Hollow Smooth column shafts awaiting installation, note the pre-drilled pin holes.



Verona 16-Foot Tapered Smooth Hollow Column. Unit ID 1100.

### Stacking Column Shafts

Depending on the type of column and type of production, column shafts will be designed to stack in one of several ways. Alternating mortar

joint seams will allow a more aesthetic installation in most cases.

Due to the production reasons, fluted shaft seams will align.

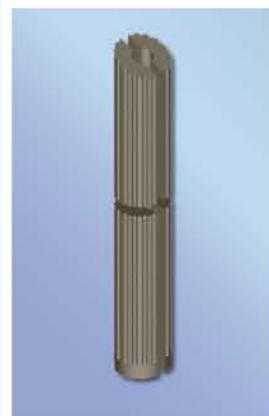
Examples shown below.



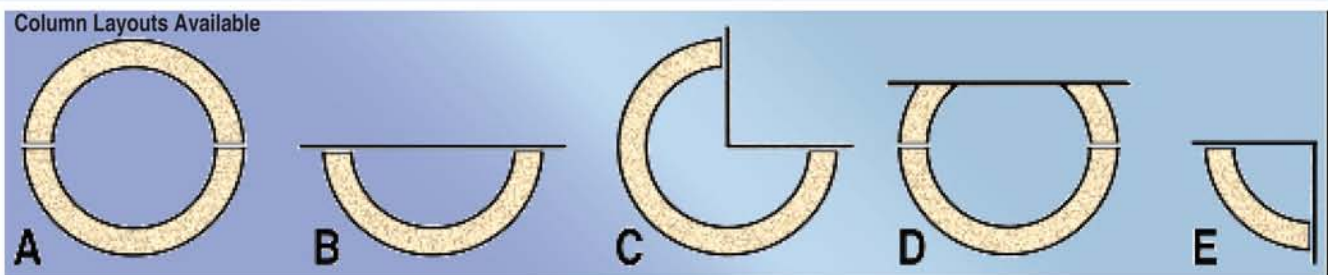
Solid Shafts are stacked.



Hollow Smooth Shafts are typically installed with alternating seams or mortar joints.



Hollow Fluted Shafts are typically installed with aligned seams or mortar joints due to the production process required to align the flutes.



Whole columns and pilasters (half columns) are available as a standard layout, shown as plans A and B. Plans C, D, and E are custom layouts and require special tooling. Illustrations are based on split/hollow sizes.

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