


ROYAL CORINTHIAN, INC.[®]



Architectural Columns, Posts & Balustrades



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Terms and Conditions

Order Acceptance

All orders will be accepted and confirmed by Royal Corinthian, Inc. pending our ability to furnish and deliver all of the products. Any order may be revoked after acceptance based on factors beyond our control. Possession of any Royal Corinthian, Inc. price book, catalog, or spreadsheet is not to be interpreted as an offer to sell the goods offered within.

Order Placement

Royal Corinthian does not require item numbers to be provided on purchase orders. However, the more information provided the faster and more accurate the confirmation process will be. Royal Corinthian is familiar with most competitive brands and can confirm orders based on their descriptions and/or brands.

Lead Times

Standard lead-times vary depending on the products ordered. Stock fiberglass columns, without any alterations, are available within 1-2 weeks. Royal Corinthian offers an up charge-free rush program for stock columns. If stock columns are absolutely needed to be packaged and ready to go within 48 hours, we will have them ready at no extra charge. Royal Corinthian does not guarantee ship dates due to the nature of the product, influx of orders, demand for raw materials, or any other reasons beyond our control. Royal Corinthian will not be liable for any back charges or consequential damages due to our inability to meet lead times.

Delivery and Claims

Royal Corinthian ships products via its own trucks or common carrier. Freight charges are prepaid and added to the invoice. Our responsibility terminates once product is delivered to the destination specified by the customer if we deliver using our own truck. If we use a common carrier, we pass on liability F.C.A. "F.O.B." once the product is loaded onto the truck at our facility. Customers should inspect every item at delivery and mark any damages on the BOL. The buyer is responsible to file all claims with the carrier. Royal Corinthian does not guarantee that products will arrive undamaged.

Jobsite Delivery

Royal Corinthian will deliver to jobsites. Jobsite fees are typically \$200 NET assuming that prepaid freight requirements are met. It is the responsibility of the customer to have the manpower and equipment to offload the product within the carrier's allotted time limit. Any additional charges are the responsibility of the buyer.

Order Cancellations/Changes/Returns

Changes and cancellations can only be submitted in writing to designated emails or faxes. Only stock items can be returned and are subject to restocking fees with a 25% minimum. Once production has commenced, special orders may only be cancelled at the expense of the buyer. No returns will be accepted without an RMA (Returned Merchandise Authorization) number issued by our order desk. Please email us to obtain an RMA for stock items only. All stock products must be returned within 115 days and Royal Corinthian will inspect and take appropriate action to return the product to saleable condition. Royal Corinthian takes responsibility once the product is in our warehouse and will not give credit for damaged items. Repair and repackaging charges will be applied in addition to a minimum 25% restocking fee. All returns must be made within 30 days of the issuance of an RMA number and must arrive to us within 115 days of the purchase date. An order for stock items is subject to restocking once it is packaged even if it remains in our facility and never ships.

Architecturally Correct Columns

Per industry standards, Royal Corinthian refers to only its stock columns as being architecturally correct or a 1/3, 2/3 taper. Most of our larger columns still adhere to architecturally correct proportions; however, some of our bigger columns are made using larger molds and are made to your required heights. Royal Corinthian can make custom architecturally correct columns in any size. Please call for pricing.

Load-bearing Columns

All Royal Corinthian column load-bearing capacities are based on the concentric loading of the column. Column load-bearing capacities can be increased (call for pricing).

Payment/Credit Terms and Minimum Order Requirements

Payment terms, credit, minimum order requirements, and additional terms and conditions are addressed in a formal credit approval letter issued by Royal Corinthian.

Special Options & Charges

SPLITTING CHARGES	
Height	List Price
6'	\$40
8'	\$50
9'	\$60
10'	\$70
12'	\$90
14'	\$120
16'	\$170
18'	\$230
20'	\$280
22'	\$340
24'	\$410
26'	\$480
28'	\$517
30'	\$554
All Posts	\$40

SPLITTING CHARGES FOR CAP & BASE	
Item	List Price
Cap	\$4
Base	\$4
Cap/Base Set	\$8
Post Cap	\$4

MISCELLANEOUS CHARGES	
Service	List Price
Cut to O/A Length	\$39
Cut at Bead	\$39
Alter Flute	\$200

Cut at Bead charge is required for all columns with decorative capitals over 16" to accommodate mounting hardware. Cut at Bead and Cut to O/A Length charge is required when altering flutes and using decorative capitals.

ROYALSTONE KIT	
Kit	List Price
Patch kit (choose color)	\$100

RoyalStone Columns are a prefinished product. Our patch kit (mix ratio of 10 parts matrix to 1 part clear catalyst by volume) can be used to patch up small chips or cavities and seams on split columns in lieu of caulk.

Plan Types

Columns can be split to the following plan types:



Indicate plan type for split columns on purchase order.

Stock Program Fiberglass Column Pallet Quantities

The Royal Corinthian "Stock Column Program" consists of RoyalCast round tapered plain fiberglass columns and RoyalLite square non-tapered pultruded fiberglass columns (not all available lengths are considered stock). Standard pallet quantities for RoyalCast and RoyalLite Architectural Columns are listed below.

RoyalCast™ Round Tapered Columns

Diameter	Quantity (pallet)
6"	64
8"	42
10"	16
12"	16
14"	9
16"	9

RoyalLite™ Square Non-Tapered Columns

Width	Quantity (pallet)
6"	80
8"	42
10"	24
12"	20

Column Ordering Guide

1. Choose Style

- a. Round Tapered Plain
- b. Round Tapered Fluted
- c. Round Non-Tapered Plain
- d. Round Non-Tapered Twist (Rope)
- e. Round Barrel
- f. Square Non-Tapered Plain
- g. Square Non-Tapered Panel
- h. Square Tapered Plain
- i. Custom style (call for pricing)

2. Choose Column Material (see chart at bottom for comparison)

- a. RoyalCast™ (FRP) Fiberglass (available all styles)
- b. RoyalStone™ Lightweight Stone (available all styles)
- c. RoyalLite™ Pultruded Fiberglass (available square only)

3. Choose Column Texture

- a. RoyalCast™ available paint-grade smooth
- b. RoyalStone™ available textured, smooth, coral
- c. RoyalLite™ available paint-grade smooth

4. Choose Cap, Base, and Astragal

- a. Tuscan cap and base (standard)
- b. Decorative capitals
- c. Attic base available
- d. Doric cap and base (see availability)
- e. Round plinths instead of square (see availability)
- f. Astragal part of shaft except on Square Columns
- g. Square columns can be cast with astragal (call for pricing)
- h. Astragal can be removed on all columns (call for pricing)

5. Fluted Columns

- a. Overall height determines if flutes will run into base or stop short
- b. Flutes can be altered or base can be provided to work with endless flutes
- c. Flutes can be altered for RoyalCast™ and RoyalStone™
- d. Standard flute altering is 1" to 2" above top of base
- e. Altered flutes may have slight variation in color from rest of shaft

6. Additional Costs to Consider

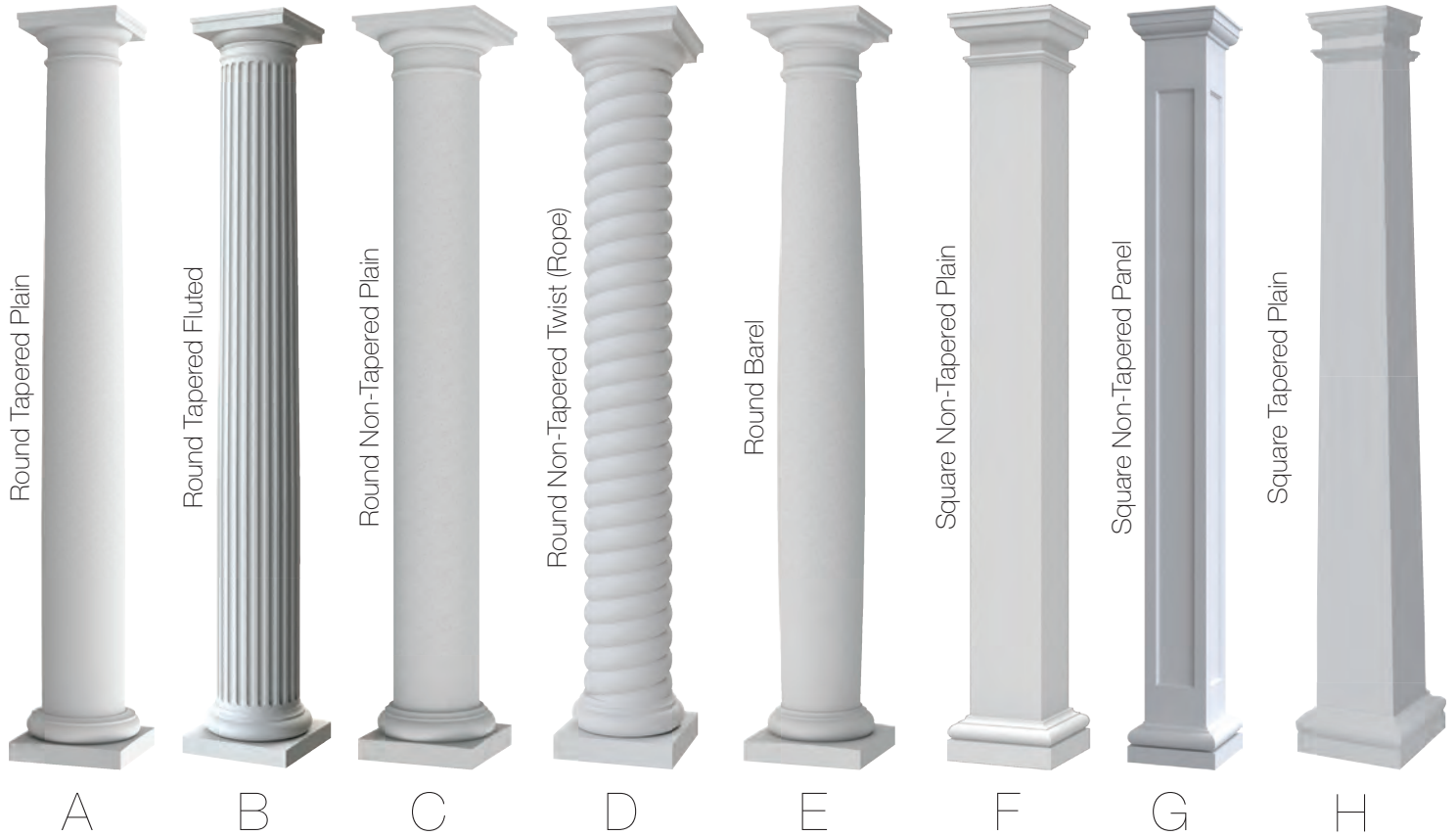
- a. Cut column to overall height, OAH includes cap and base
- b. Cut at neck charge required for decorative capitals above 16"
- c. Split column to available plan types
- d. Alter flutes charge (more than 2" above base, call for pricing)
- e. Crating charges for minimum order requirements
- f. Freight Costs: Do NOT stack crates
- g. Off-loading will require forklifts, telescopic lifts, manpower, etc.

Differences & Similarities Between Materials

	RoyalCast Columns	RoyalStone Columns	RoyalLite Columns
Material	fiberglass (FRP)	synthetic lightweight stone	pultruded fiberglass (FRP)
Finish	paint-grade	pre-finished 6 standard colors	paint-grade
Texture	smooth	textured, smooth, coral	smooth
Shaft Styles	all styles	all styles	square non-tapered only
Warranty	limited lifetime	limited lifetime	limited lifetime
Load-bearing	yes	yes	yes
Decorative Capitals	yes	yes	call for pricing

Available Column Styles

by Royal Corinthian, Inc.



Material	Available Styles
RoyalCast™	A, B, C, D, E, F, G, H
RoyalStone™	A, B, C, D, E, F, G, H
RoyalLite™	F

Plan Types

Columns can be split to the following plan types.



RoyalCast™ Fiberglass Columns (FRP)

by Royal Corinthian, Inc.

- Round, Square, or Rope
- Architecturally Correct Proportions
- Plain or Fluted Shaft
- Durable, Decay Resistant, Low Maintenance
- Load-bearing
- Cap/Base Same Material as Shaft
- Decorative Capitals
- Deep Architectural Flutes
- Limited Lifetime Warranty

About RoyalCast Columns

- RoyalCast™ Fiberglass Columns are spun cast and reinforced with fiberglass polymer technology.
- All Caps/Bases are made from a poly/marble composite insuring durability and consistency to the shaft.
- RoyalCast™ FRP Columns are load-bearing unless column are split for reassembly or pilaster application.
- RoyalCast™ Columns can be factory cut to required overall heights or field cut from the bottom of the shaft. Cutting too much off of the bottom on a tapered RoyalCast™ Column may result in the base not fitting as tight as possible. Royal Corinthian can plug bases to fit properly in situations where very short tapered columns are needed.
- RoyalCast™ Column shafts need to be "cut at bead" or "cut at neck" when used in collaboration with Decorative Capitals. Decorative Capitals sit on top of the bead as opposed to Tuscan and Doric Capitals which simply slide over the top of the shaft. RoyalCast™ Columns can be factory trimmed at the neck or on site. Column diameters above 16" need to be cut at neck by Royal Corinthian to accommodate mounting hardware.
- Royal Corinthian offers square columns in both RoyalCast™ and RoyalLite™. The astragal or bead is sold separate for square columns. Royal Corinthian can provide Square columns with the astragal cast with the rest of the shaft (call for pricing).



Round Tapered Plain

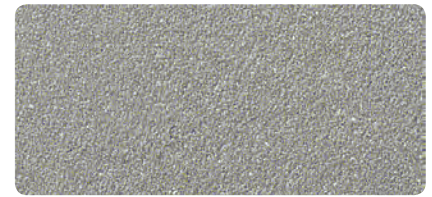
RoyalStone™ Synthetic Stone Columns

by Royal Corinthian, Inc.

- **Lightweight Stone**
 - **Pre-finished Product**
 - **Color Throughout**
 - **Textured, Smooth, and Coral**
 - **Custom Colors and Aggregates**
-
- Round, Square, or Rope
 - Architecturally Correct Proportions
 - Plain or Fluted Shaft
 - Durable
 - Decay Resistant
 - Low Maintenance
 - Load-bearing
 - Cap/Base Same Material as Shaft
 - Decorative Capitals
 - Deep Architectural Flutes
 - Limited Lifetime Warranty



CLIFFSIDE GREY



CREAM



LIMESTONE



OFF-WHITE



SANDSTONE



WHITE



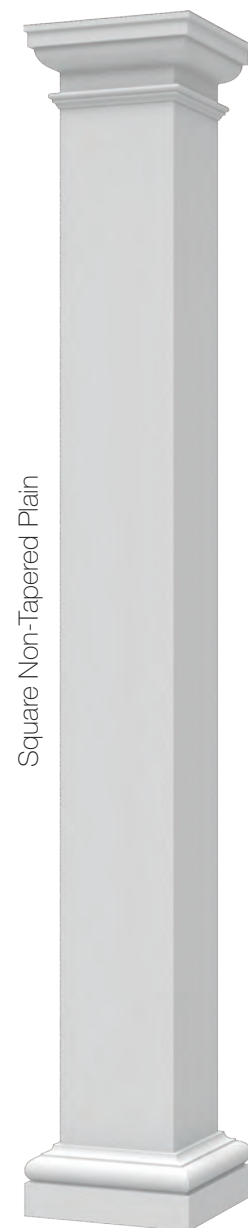
Pictured with textured finish. All standard colors are available in smooth or coral finishes (call for pricing). Custom colors, aggregates, and textures are available (call for pricing).

RoyalLite™ Pultruded Fiberglass Square Columns

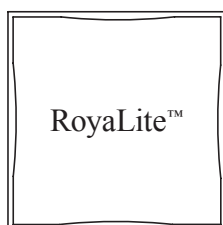
by Royal Corinthian, Inc.

- Square Non-Tapered
- Architecturally Correct Proportions
- Durable, Decay Resistant, Low Maintenance
- Load-bearing
- Lightweight
- Limited Lifetime Warranty

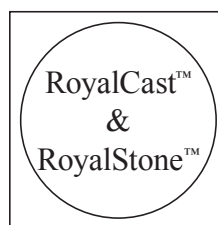
*Square columns are also available in RoyalCast™ & RoyalStone™.
Please view diagram below.*



CUT TOP VIEW



Top views of
RoyalLite™ &
RoyalCast™ &
RoyalStone™
square columns.



Round Tapered Columns (Plain and Fluted)

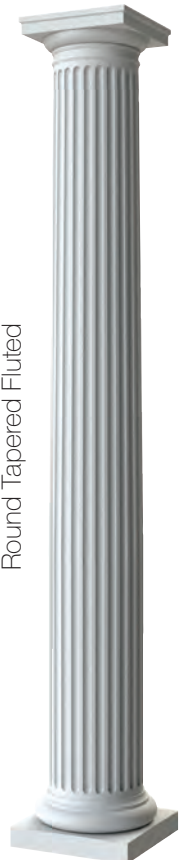
RoyalCast & RoyalStone Column Price List

Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Fluted Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Plain List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Fluted List Price
6" X 8'	38	\$174.00		\$43.00	\$217.00	
8" X 8'	65	\$191.00	\$234.00	\$45.00	\$236.00	\$279.00
8" X 9' *	68	\$215.00	\$270.00	\$45.00	\$260.00	\$315.00
8" X 10'	73	\$242.00	\$295.00	\$45.00	\$287.00	\$340.00
10" X 8'	86	\$230.00	\$308.00	\$56.00	\$286.00	\$364.00
10" X 9'	99	\$260.00	\$329.00	\$56.00	\$316.00	\$385.00
10" X 10' *	105	\$289.00	\$350.00	\$56.00	\$345.00	\$406.00
10" X 12' *	122	\$422.00	\$457.00	\$56.00	\$478.00	\$513.00
12" X 8'	128	\$299.00	\$353.00	\$72.00	\$371.00	\$425.00
12" X 9'	134	\$341.00	\$389.00	\$72.00	\$413.00	\$461.00
12" X 10' *	152	\$375.00	\$423.00	\$72.00	\$447.00	\$495.00
12" X 12'	170	\$563.00	\$582.00	\$72.00	\$635.00	\$654.00
12" X 14'	196	\$646.00		\$72.00	\$718.00	
12" X 16'	224	\$1,030.00		\$72.00	\$1,102.00	
12" X 18'	252	\$1,591.00		\$72.00	\$1,663.00	
14" X 8' *	130	\$665.00	\$889.00	\$182.00	\$847.00	\$1,071.00
14" X 9' *	147	\$648.00	\$901.00	\$182.00	\$830.00	\$1,083.00
14" X 10'	162	\$678.00	\$915.00	\$182.00	\$860.00	\$1,097.00
14" X 12'	240	\$794.00	\$1,022.00	\$182.00	\$976.00	\$1,204.00
14" X 14'	260	\$1,104.00		\$182.00	\$1,286.00	
14" X 16'	280	\$1,408.00		\$182.00	\$1,590.00	
14" X 18'	310	\$1,753.00		\$182.00	\$1,935.00	
14" X 20'	345	\$1,948.00		\$182.00	\$2,130.00	
16" X 8' *	165	\$830.00	\$915.00	\$225.00	\$1,055.00	\$1,140.00
16" X 9'	185	\$906.00	\$1,029.00	\$225.00	\$1,131.00	\$1,254.00
16" X 10' *	205	\$1,038.00	\$1,144.00	\$225.00	\$1,263.00	\$1,369.00
16" X 12'	240	\$1,100.00	\$1,304.00	\$225.00	\$1,325.00	\$1,529.00
16" X 14'	290	\$1,431.00		\$225.00	\$1,656.00	
16" X 16'	340	\$1,741.00		\$225.00	\$1,966.00	
16" X 18'	400	\$1,948.00		\$225.00	\$2,173.00	
16" X 20'	450	\$2,106.00		\$225.00	\$2,331.00	
18" X 8'	215	\$1,618.00	\$2,170.00	\$401.00	\$2,019.00	\$2,571.00
18" X 9'	243	\$1,675.00	\$2,256.00	\$401.00	\$2,076.00	\$2,657.00
18" X 10'	270	\$1,732.00	\$2,344.00	\$401.00	\$2,133.00	\$2,745.00
18" X 12'	300	\$2,015.00	\$2,732.00	\$401.00	\$2,416.00	\$3,133.00

Round Tapered Plain



Round Tapered Fluted



Round Tapered Columns (Plain and Fluted)

RoyalCast & RoyalStone Column Price List

Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Fluted Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Plain List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Fluted List Price
18" X 14'	350	\$2,176.00	\$2,880.00	\$401.00	\$2,577.00	\$3,281.00
18" X 16'	405	\$2,294.00	\$3,148.00	\$401.00	\$2,695.00	\$3,549.00
18" X 18'	460	\$2,526.00	\$3,594.00	\$401.00	\$2,927.00	\$3,995.00
18" X 20'	520	\$2,686.00	\$4,027.00	\$401.00	\$3,087.00	\$4,428.00
18" X 22'	580	\$3,283.00		\$401.00	\$3,684.00	
20" X 12'	385	\$2,096.00	\$2,799.00	\$577.00	\$2,673.00	\$3,376.00
20" X 14'	445	\$2,223.00	\$2,986.00	\$577.00	\$2,800.00	\$3,563.00
20" X 16'	515	\$2,456.00	\$3,433.00	\$577.00	\$3,033.00	\$4,010.00
20" X 18'	580	\$2,505.00	\$3,694.00	\$577.00	\$3,082.00	\$4,271.00
20" X 20'	645	\$2,904.00	\$4,367.00	\$577.00	\$3,481.00	\$4,944.00
20" X 22'	720	\$3,023.00	\$4,789.00	\$577.00	\$3,600.00	\$5,366.00
22" X 16'	600	\$2,906.00		\$700.00	\$3,606.00	
22" X 18'	680	\$3,104.00		\$700.00	\$3,804.00	
22" X 20'	750	\$3,292.00		\$700.00	\$3,992.00	
24" X 14'	590	\$2,854.00	\$3,740.00	\$900.00	\$3,754.00	\$4,640.00
24" X 16'	675	\$3,175.00	\$4,333.00	\$900.00	\$4,075.00	\$5,233.00
24" X 18'	760	\$3,673.00	\$5,135.00	\$900.00	\$4,573.00	\$6,035.00
24" X 20'	845	\$4,232.00	\$5,938.00	\$900.00	\$5,132.00	\$6,838.00
24" X 22'	930	\$4,793.00	\$6,803.00	\$900.00	\$5,693.00	\$7,703.00
24" X 24'	1,010	\$5,352.00		\$900.00	\$6,252.00	
28" X 20'	1,450	\$6,473.00		\$1,396.00	\$7,869.00	
28" X 22'	1,600	\$6,804.00		\$1,396.00	\$8,200.00	
28" X 24'	1,750	\$7,095.00		\$1,396.00	\$8,491.00	
28" X 26'	1,950	\$7,592.00		\$1,396.00	\$8,988.00	
30" X 20'	1,720	\$6,224.00		\$1,766.00	\$7,990.00	
30" X 22'	1,900	\$7,219.00		\$1,766.00	\$8,985.00	
30" X 24'	2,060	\$8,091.00		\$1,766.00	\$9,857.00	
30" X 26'	2,240	\$8,837.00		\$1,766.00	\$10,603.00	
36" X 20'	3,100	\$11,261.00	\$14,092.00	\$2,041.00	\$13,302.00	\$16,133.00
36" X 22'	3,400	\$11,854.00	\$14,805.00	\$2,041.00	\$13,895.00	\$16,846.00
36" X 24'	3,100	\$12,447.00		\$2,041.00	\$14,488.00	
36" X 26'	3,400	\$13,039.00		\$2,041.00	\$15,080.00	
36" X 28'	3,100	\$13,632.00		\$2,041.00	\$15,673.00	
36" X 30'	3,400	\$14,225.00		\$2,041.00	\$16,266.00	

Round Tapered Plain



Round Tapered Fluted



* Some fluted columns will not have rounded out flutes at bottom unless altered. If the flutes are not altered, Royal Corinthian will provide bases that will fill in the through flutes. Consult fluted column specifications.





Caps & Bases (Round Tapered Columns)

RoyalCast & RoyalStone Cap & Base Price List

CAPS		BASES		Special Service Charges			
Column Diameter	Tuscan Cap List Price	Tuscan Base/Plinth List Price	Attic Base/Plinth List Price	SPLITTING CHARGES		SPLITTING CHARGES FOR CAP & BASE	
				Height	List Price	Item	List Price
6"	\$16.00	\$23.00	\$48.00	6'	\$40.00	Cap	\$4
8"	\$18.00	\$27.00	\$72.00	8'	\$50.00	Base	\$4
10"	\$23.00	\$35.00	\$100.00	9'	\$60.00	Cap/Base Set	\$8
12"	\$30.00	\$46.00	\$121.00	10'	\$70.00		
14"	\$66.00	\$99.00	\$319.00	12'	\$90.00	MISCELLANEOUS CHARGES	
16"	\$82.00	\$122.00	\$443.00	14'	\$120.00	Service	List Price
18"	\$160.00	\$241.00	\$576.00	16'	\$170.00	Cut to O/A Length	\$39
20"	\$231.00	\$346.00	\$700.00	18'	\$230.00	Cut at Bead	\$39
22"	\$232.00	\$349.00	\$770.00	20'	\$280.00	Alter Flute	\$200
24"	\$237.00	\$356.00	\$840.00	22'	\$340.00	<i>Cut at Bead charge is required for all columns with decorative capitals over 16" to accommodate mounting hardware. Cut at Bead and Cut to O/A Length charge is required when altering flutes and using decorative capitals.</i>	
26"	\$520.00	-	-	24'	\$410.00		
28"	\$558.00	\$838.00	\$901.00	26'	\$480.00		
30"	\$706.00	\$1,060.00	-	28'	\$517.00		
36"	\$816.00	\$1,225.00	\$1,243.00	30'	\$554.00		

All Royal Corinthian Tuscan caps and Tuscan and Attic bases can be provided with Round Plinths for a 25% up charge to List. All Tuscan and Attic bases can be provided without plinths for a 25% up charge to List. All plinths can be extended or made longer (call for pricing).

Decorative Capitals (Round Tapered Columns)

				
	ROMAN CORINTHIAN	ROMAN IONIC	TEMPLE OF WINDS	SCAMOZZI
Column Diameter	List Price	List Price	List Price	List Price
6"	\$281.00	\$159.00	\$159.00	-
8"	\$342.00	\$187.00	\$211.00	\$229.00
10"	\$402.00	\$255.00	\$293.00	\$278.00
12"	\$558.00	\$369.00	\$315.00	\$405.00
14"	\$691.00	\$421.00	\$428.00	\$478.00
16"	\$975.00	\$506.00	\$661.00	\$548.00
18"	\$1,322.00	\$934.00	\$817.00	\$794.00
20"	\$1,749.00	\$1,089.00	\$1,111.00	\$842.00
22"	-	\$1,272.00	-	-
24"	\$2,357.00	\$1,450.00	\$1,429.00	\$1,905.00
30"	\$3,498.00	-	-	-
36"	-	-	\$3,058.00	-
48"	-	-	-	call in

The "Column Diameter" on the chart above refers to the bottom diameter of round tapered columns. For round non-tapered plain and twist columns, match the diameter ("A") of the column shaft to the closest cap diameter ("A") of the decorative capital. See decorative capital specifications for "cap diameter".

Round Non-Tapered Columns

RoyalCast & RoyalStone Column Price List

Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/ Tuscan Cap & Base/Plinth Plain List Price
8" X 6'	50	\$198.00	\$57.00	\$255.00
8" X 8'	65	\$218.00	\$57.00	\$275.00
8" X 9'	68	\$243.00	\$57.00	\$300.00
8" X 10'	73	\$270.00	\$57.00	\$327.00
10" X 6'	58	\$250.00	\$77.00	\$327.00
10" X 8'	63	\$326.00	\$77.00	\$403.00
10" X 9'	75	\$371.00	\$77.00	\$448.00
10" X 10'	90	\$475.00	\$77.00	\$552.00
12" x 6'	88	\$290.00	\$162.00	\$452.00
12" X 8'	93	\$379.00	\$162.00	\$541.00
12" X 9'	99	\$427.00	\$162.00	\$589.00
12" X 10'	104	\$507.00	\$162.00	\$669.00
12" X 12'	132	\$577.00	\$162.00	\$739.00
12" x 14'	155	\$672.00	\$162.00	\$834.00
12" x 16'	176	\$768.00	\$162.00	\$930.00
14" x 6'	90	\$580.00	\$322.00	\$902.00
14" X 8'	102	\$780.00	\$322.00	\$1,102.00
14" X 9'	114	\$819.00	\$322.00	\$1,141.00
14" X 10'	128	\$910.00	\$322.00	\$1,232.00
14" X 12'	152	\$1,093.00	\$322.00	\$1,415.00
14" X 14'	190	\$1,193.00	\$322.00	\$1,515.00
14" X 16'	210	\$1,351.00	\$322.00	\$1,673.00
14" X 18'	225	\$1,496.00	\$322.00	\$1,818.00
16" x 6'	92	\$750.00	\$360.00	\$1,110.00
16" X 8'	102	\$905.00	\$360.00	\$1,265.00
16" X 9'	165	\$988.00	\$360.00	\$1,348.00
16" X 10'	204	\$1,132.00	\$360.00	\$1,492.00
16" X 12'	245	\$1,320.00	\$360.00	\$1,680.00
16" X 14'	286	\$1,717.00	\$360.00	\$2,077.00
16" X 16'	335	\$2,089.00	\$360.00	\$2,449.00
16" X 18'	370	\$2,338.00	\$360.00	\$2,698.00



Round Non-Tapered Plain

Round Non-Tapered Columns

RoyalCast & RoyalStone Column Price List

Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/ Tuscan Cap & Base/Plinth Plain List Price
16" X 20'	418	\$2,527.00	\$360.00	\$2,887.00
16" x 22'	455	\$3,300.00	\$360.00	\$3,660.00
16" x 24'	500	\$3,700.00	\$360.00	\$4,060.00
18" x 6'	160	\$1,767.00	\$473.00	\$2,240.00
18" x 8'	215	\$1,812.00	\$473.00	\$2,285.00
18" x 9'	243	\$1,876.00	\$473.00	\$2,349.00
18" x 10'	270	\$1,940.00	\$473.00	\$2,413.00
18" x 12'	300	\$2,257.00	\$473.00	\$2,730.00
18" x 14'	350	\$2,437.00	\$473.00	\$2,910.00
18" x 16'	405	\$2,569.00	\$473.00	\$3,042.00
18" x 18'	460	\$2,829.00	\$473.00	\$3,302.00
18" x 20'	520	\$2,904.00	\$473.00	\$3,377.00
18" x 22'	580	\$3,200.00	\$473.00	\$3,673.00
18" x 24'	650	\$3,400.00	\$473.00	\$3,873.00
18" x 26'	700	\$3,600.00	\$473.00	\$4,073.00
24" x 6'	610	\$1,470.00	\$914.00	\$2,384.00
24" x 8'	624	\$1,960.00	\$914.00	\$2,874.00
24" x 9'	700	\$2,205.00	\$914.00	\$3,119.00
24" x 10'	780	\$2,450.00	\$914.00	\$3,364.00
24" x 12'	936	\$2,940.00	\$914.00	\$3,854.00
24" X 14'	990	\$3,430.00	\$914.00	\$4,344.00
24" X 16'	1210	\$3,920.00	\$914.00	\$4,834.00
24" X 18'	1375	\$4,410.00	\$914.00	\$5,324.00
24" X 20'	1540	\$4,867.00	\$914.00	\$5,781.00
24" X 22'	1695	\$6,250.00	\$914.00	\$7,164.00
24" X 24'	1850	\$6,700.00	\$914.00	\$7,614.00

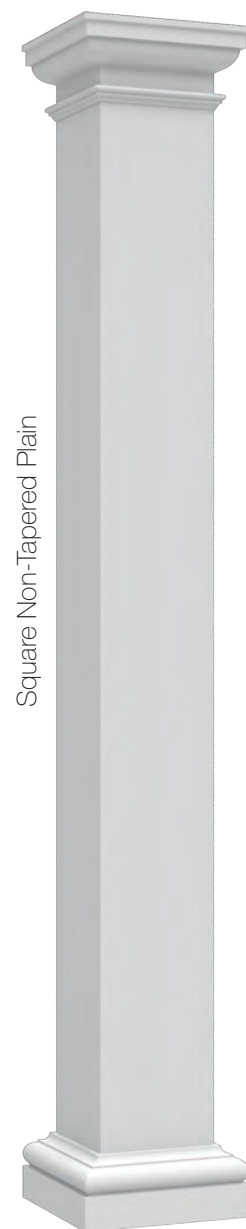


Round Non-Tapered Columns are cast with a bead or astragal. The bead can be removed with a "cut UNDER bead charge" assuming that the mold is long enough to achieve your required height. Otherwise the bead can be removed manually for \$150 List. It is possible to make Non-Tapered Columns using the non-tapered bottom portion of Tapered Columns (call for pricing). If purchasing Tuscan cap or base individually and not as a set, cap list price is 45% of set price and base list price is 65% of set price. When using decorative capitals with Non-Tapered round columns, choose appropriate decorative capital by matching the actual column diameter ("A") to the closest cap diameter ("A") dimension NOT the "column diameter" dimension as the decorative capital chart is made to correspond to Tapered Column sizes.

RoyalLite™ Square Non-Tapered

RoyalLite Column Price List

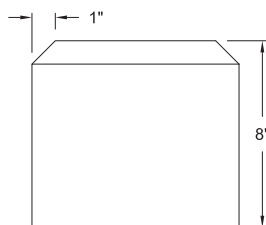
Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Plain List Price
6" X 8'	22	\$212.00	\$43.00	\$255.00
6" X 10'	28	\$267.00	\$43.00	\$310.00
8" X 8'	32	\$226.00	\$49.00	\$275.00
8" X 9'	37	\$254.00	\$49.00	\$303.00
8" X 10'	40	\$282.00	\$49.00	\$331.00
8" X 12'	48	\$341.00	\$49.00	\$390.00
10" X 8'	41	\$283.00	\$62.00	\$345.00
10" X 9'	46	\$319.00	\$62.00	\$381.00
10" X 10'	51	\$354.00	\$62.00	\$416.00
10" X 12'	65	\$430.00	\$62.00	\$492.00
12" X 8'	49	\$423.00	\$99.00	\$522.00
12" X 9'	55	\$476.00	\$99.00	\$575.00
12" X 10'	61	\$529.00	\$99.00	\$628.00
12" X 12'	72	\$635.00	\$99.00	\$734.00
12" X 16'	98	\$895.00	\$99.00	\$994.00



Square Non-Tapered Plain

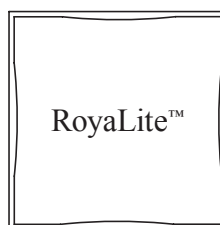
If purchasing Tuscan cap or base individually and not as a set, cap list price is 45% of set price and base list price is 65% of set price. The bead or Neck Ring for RoyalLite™ Square Columns is sold separately and does not come with the Tuscan Cap/Base set. The bead, cap, and base for RoyalLite™ Columns is made from a poly/marble composite or cast not pultruded like the shaft material.

* RoyalLite™, RoyalCast™ & RoyalStone™ Square Columns are available with Craftsman Cap and/or Base for a 25% up charge to Tuscan cap/base set List price. All Craftsman caps and bases are 1" wide and are 8" in height (can be field trimmed to virtually any height).



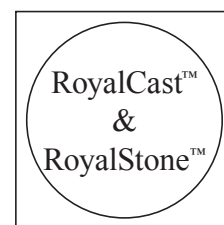
* Optional Craftsman cap/base 25% upcharge

NECK RING	
Column Size	List Price
6"	\$8.00
8"	\$12.00
10"	\$16.00
12"	\$20.00



CUT TOP VIEW

Top views of RoyalLite™ & RoyalCast™ & RoyalStone™ square columns.

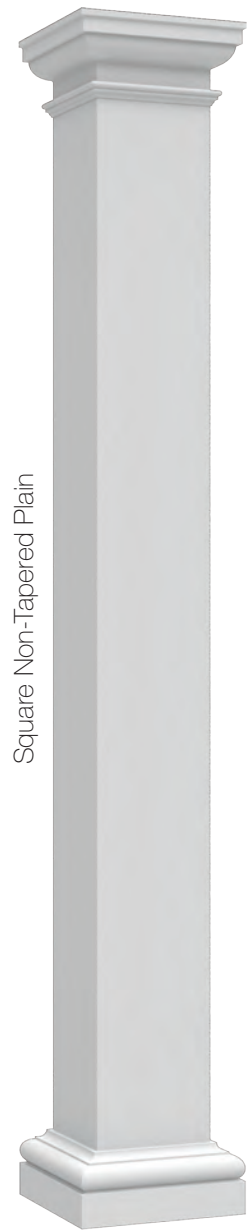


See next page for RoyalCast & RoyalStone pricing

Square Non-Tapered Columns

RoyalCast & RoyalStone Column Price List

Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Plain List Price
6" X 6'	60	\$239.00	\$43.00	\$282.00
6" X 8'	80	\$318.00	\$43.00	\$361.00
6" X 9'	90	\$360.00	\$43.00	\$403.00
6" X 10'	100	\$400.00	\$43.00	\$443.00
8" X 6'	102	\$254.00	\$49.00	\$303.00
8" X 8'	136	\$339.00	\$49.00	\$388.00
8" X 9'	153	\$381.00	\$49.00	\$430.00
8" X 10'	170	\$423.00	\$49.00	\$472.00
8" X 12'	204	\$512.00	\$49.00	\$561.00
10" X 6'	162	\$320.00	\$62.00	\$382.00
10" X 8'	216	\$425.00	\$62.00	\$487.00
10" X 9'	243	\$479.00	\$62.00	\$541.00
10" X 10'	270	\$531.00	\$62.00	\$593.00
10" X 12'	324	\$645.00	\$62.00	\$707.00
12" x 6'	222	\$476.00	\$99.00	\$575.00
12" X 8'	296	\$635.00	\$99.00	\$734.00
12" X 9'	333	\$714.00	\$99.00	\$813.00
12" X 10'	370	\$794.00	\$99.00	\$893.00
12" X 12'	444	\$953.00	\$99.00	\$1,052.00
12" x 14'	518	\$1,175.00	\$99.00	\$1,274.00
12" X 16'	592	\$1,343.00	\$99.00	\$1,442.00
16" x 6'	270	\$1,254.00	\$287.00	\$1,541.00
16" X 8'	360	\$1,672.00	\$287.00	\$1,959.00
16" X 9'	405	\$1,881.00	\$287.00	\$2,168.00
16" X 10'	450	\$2,091.00	\$287.00	\$2,378.00
16" X 12'	900	\$2,276.00	\$287.00	\$2,563.00
16" X 14'	1000	\$2,926.00	\$287.00	\$3,213.00
16" X 16'	1100	\$3,344.00	\$287.00	\$3,631.00
16" X 18'	1200	\$3,582.00	\$287.00	\$3,869.00
16" X 20'	1300	\$3,690.00	\$287.00	\$3,977.00



Square Non-Tapered Plain

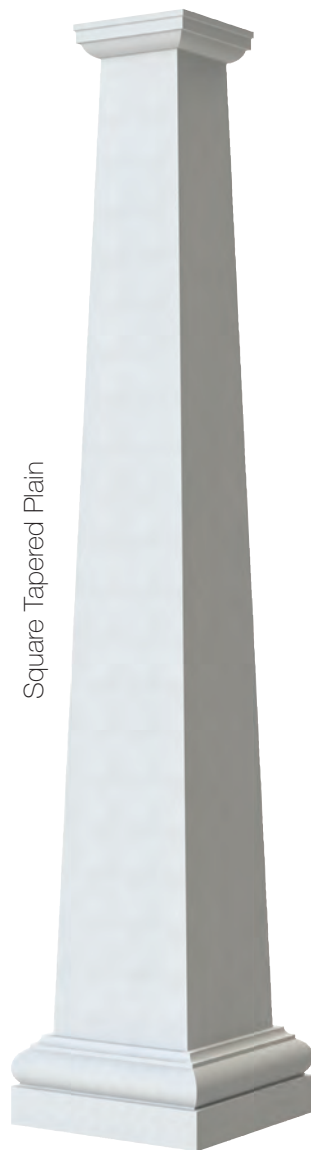
NECK RING	
Column Size	List Price
6"	\$8.00
8"	\$12.00
10"	\$16.00
12"	\$20.00

The bead or Neck Ring for RoyalCast™ and RoyalStone™ Square Columns is sold separately and does not come with the Tuscan Cap/Base set (except for 16" Columns, the bead is part of the shaft). On 16" RoyalCast™ and RoyalStone™ Square Columns, the bead can be removed with a "cut UNDER bead charge" assuming that the mold is long enough to achieve your required height. Otherwise the bead can be removed manually for \$150 List. RoyalCast™ and RoyalStone™ Square Columns are available with Craftsman Cap and/or Base for a 25% up charge to Tuscan cap/base set List price. All Craftsman caps and bases are 1" wide and are 8" in height (can be field trimmed to virtually any height). RoyalCast™ and RoyalStone™ square panelled columns available (call for pricing).

Square Tapered Columns

RoyalCast & RoyalStone Column Price List

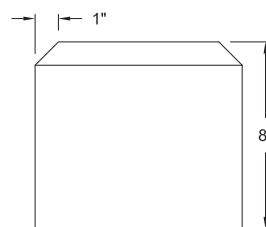
Column Size	Approx. Shaft Weight (lbs.)	Plain Shaft Only List Price	Tuscan Cap & Base/Plinth Set List Price	Complete Column Shaft w/Tuscan Cap & Base/Plinth Plain List Price
10">8" x 5'-6"	140	\$350.00	\$89.00	\$439.00
10">8" x 8'	140	\$525.00	\$89.00	\$614.00
10">8" x 10'	180	\$660.00	\$89.00	\$749.00
12">10" x 5'-6"	250	\$704.00	\$127.00	\$831.00
12">10" x 8'	325	\$740.00	\$127.00	\$867.00
14">10" x 12'	450	\$1,200.00	\$150.00	\$1,350.00
16">10" x 5'	325	\$467.00	\$168.00	\$635.00
16">10" x 8'	525	\$759.00	\$168.00	\$927.00
18">10" x 10'	650	\$1,138.00	\$190.00	\$1,328.00



Square Tapered Plain

Square tapered columns can be made shorter and bases adjusted to fit snug (call for pricing). The bead or Neck Ring for RoyalCast™ and RoyalStone™ Square Columns is sold separately and does not come with the Tuscan Cap/Base set. If Purchasing Tuscan cap or base individually and not as a set, cap list price is 45% of set price and base list price is 65% of set price.

NECK RING	
Column Size	List Price
10"	\$12.00
12"	\$16.00
14"	\$20.00
16"	\$30.00
18"	\$40.00



* Optional Craftsman cap/base
25% upcharge

* RoyalCast™ & RoyalStone™ Square Tapered Columns are available with Craftsman Cap and/or Base for a 25% up charge to Tuscan cap/base set List price. All Craftsman caps and bases are 1" wide and are 8" in height (can be field trimmed to virtually any height).

Twist Non-Tapered Columns (Rope)

RoyalCast & RoyalStone Column Price List

Column Size	Approx. Shaft Weight (lbs.)	Twist Shaft Only List Price	Tuscan Cap & Base/ Plinth Set List Price	Complete Column Shaft w/Tuscan Cap & Base/ Plinth Twist List Price
6" X 6'	90	\$478.00	\$70.00	\$548.00
8" X 6'	110	\$508.00	\$103.00	\$611.00
8" X 8'	145	\$678.00	\$103.00	\$781.00
10" X 6'	130	\$640.00	\$132.00	\$772.00
10" X 8'	170	\$850.00	\$132.00	\$982.00
10" X 9'	185	\$958.00	\$132.00	\$1,090.00
10" X 10'	210	\$1,062.00	\$132.00	\$1,194.00
10" X 12'	250	\$1,290.00	\$132.00	\$1,422.00
10" X 14'	310	\$1,650.00	\$132.00	\$1,782.00
12" x 6'	210	\$952.00	\$270.00	\$1,222.00
12" X 8'	280	\$1,270.00	\$270.00	\$1,540.00
12" X 9'	315	\$1,428.00	\$270.00	\$1,698.00
12" X 10'	350	\$1,588.00	\$270.00	\$1,858.00
16" x 6'	330	\$2,508.00	\$509.00	\$3,017.00
16" X 8'	440	\$3,344.00	\$509.00	\$3,853.00
16" X 9'	495	\$3,762.00	\$509.00	\$4,271.00
16" X 10'	550	\$4,182.00	\$509.00	\$4,691.00



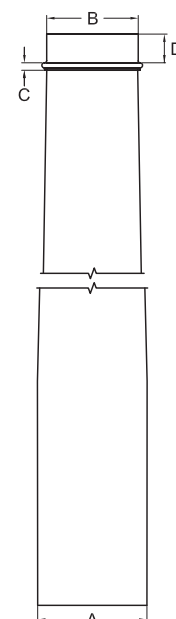
Round Non-Tapered Twist

Due to the nature of Twist columns, the listed heights include the height of the Tuscan Cap and base. The actual height of the shaft will be shorter as a result. In applications where cap and/or base are not used, consult Twist Column specifications for actual shaft heights. Twist Column caps and shafts have imbedded L-brackets for ease of installation. If purchasing Tuscan cap or base individually and not as a set, cap list price is 45% of set price and base list price is 65% of set price.

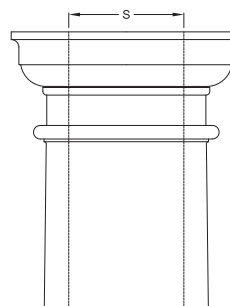
Round Tapered Columns (Plain)

RoyalCast & RoyalStone Column Specifications

Column Diameter	Bottom Shaft Dia. (A)	Top Shaft Dia. (B)	Bead Width (C)	Cut At Bead Loss (D)	Minimum Wall Thickness	Available Lengths (feet)
6"	5-1/2"	4-3/4"	3/4"	4-1/4"	3/8"	8
8"	7-1/2"	6-3/8"	3/4"	4-5/16"	3/8"	8, 9, 10
10"	9-1/2"	8-1/4"	3/4"	5"	3/8"	8, 9, 10, 12
12"	11-1/2"	9-11/16"	3/4"	6-1/4"	3/8"	8, 9, 10, 12, 14, 16, 18
14"	13-1/2"	11-1/2"	1"	6-15/16"	1/2"	8, 9, 10, 12, 14, 16, 18, 20
16"	15-5/8"	13-1/2"	1-3/16"	7-7/8"	1/2"	8, 9, 10, 12, 14, 16, 18, 20
18"	17-3/4"	14-7/8"	1-1/4"	8-7/8"	1/2"	8, 9, 10, 12, 14, 16, 18, 20, 22
20"	19-3/4"	17"	1-7/8"	9-3/8"	1/2"	8, 9, 10, 12, 14, 16, 18, 20, 22
22"	21-7/8"	18-3/8"	2-1/16"	11-1/4"	5/8"	8, 9, 10, 12, 14, 16, 18, 20, 21
24"	23-1/2"	19-3/4"	2-3/16"	12-1/4"	5/8"	8, 9, 10, 12, 14, 16, 18, 20, 22, 24
28"	27-1/2"	23"	2-3/16"	12-7/8"	5/8"	8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26
30"	30-3/16"	25-1/2"	2-1/4"	14"	3/4"	8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26
36"	35-3/4"	29-5/8"	2-3/4"	18"	1"	8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30
42"	42"	36-5/8"	3"	22-1/4"	1-1/4"	8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30



Columns to Surround Structural Supports			
Column Diameter	Inside Top Shaft Diameter (S)	Largest Round Support	Largest Square Support
6"	4"	3-1/2"	2-3/8"
8"	5-1/2"	5"	3-1/2"
10"	7-1/8"	6-5/8"	4-5/8"
12"	8-5/8"	8-1/8"	5-3/4"
14"	10-1/8"	9-5/8"	6-3/4"
16"	12-1/4"	11-3/4"	8-1/4"
18"	13-1/4"	12-3/4"	9"
20"	14-3/8"	13-7/8"	9-3/4"
22"	16-3/8"	15-7/8"	11-1/8"
24"	17-1/8"	16-5/8"	11-3/4"
28"	20-1/4"	19-3/4"	13-7/8"
30"	22-7/8"	22-3/8"	15-3/4"
36"	26-3/8"	25-7/8"	18-1/4"
42"	32-5/8"	32-1/8"	22-5/8"



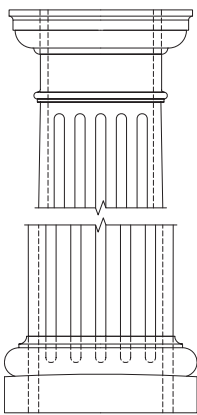
Columns that surround structural supports are typically split. The chart allows for saw kerf. Columns that are split are no longer considered load-bearing. The inside diameter of decorative capitals is much smaller than the column shaft so the chart above will not work for decorative capital applications. To insure that the column ordered will surround the intended structural support, the column needs to be split by Royal Corinthian and the shape and size of the structural support needs to be indicated on the purchase order. Royal Corinthian will not accept any liability if columns are purchased not split and do not wrap the published structural support sizes. When a column is ordered full round (not split), it is implied that the column will not be used to surround a structural support. If the contractor intends to drop a full round (not split) column around the structural support, the shape and size of the structural support need to be noted at the time of order on the purchase order. Please note that this chart is for Round Tapered RoyalCast Columns; RoyalStone Columns tend to be slightly thicker than RoyalCast.

Columns 14" and up have a second ring above the astragal to hold a non-decorative capital. RoyalStone columns are slightly thicker than RoyalCast columns which will effect minimum wall thickness and split column structural support specifications.

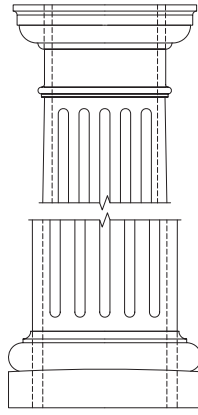
Round Tapered Columns (Fluted)

RoyalCast & RoyalStone Column Specifications

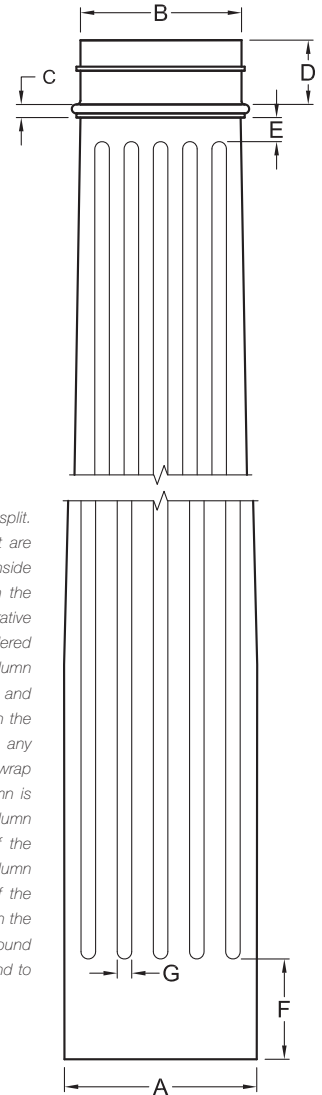
Column Diameter	Bottom Shaft Dia.	Top Shaft Dia.	Bead Width	Cut At Bead Loss	Flutes Begin	Bottom Of Flutes	Flute Width	# Of Flutes	Minimum Wall Thickness	Available Lengths (feet)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)			
8"	7-1/2"	6-3/8"	3/4"	4-1/4"	1	11-1/8"	11/16"	24	3/8"	8, 9, 10
10"	9-1/2"	8-1/4"	3/4"	5-1/4"	1	13-7/8"	7/8"	24	3/8"	8, 9, 10, 12
12"	11-1/2"	9-3/8"	3/4"	6-1/4"	1	17"	1"	24	3/8"	8, 9, 10, 12
14"	13-5/8"	11-3/4"	1"	7"	1-1/2"	11"	1-3/8"	24	1/2"	8, 9, 10, 12
16"	15-5/8"	13-1/2"	1-1/4"	8"	2-1/4"	21-1/4"	1-1/2"	24	1/2"	8, 9, 10, 12
18"	17-3/4"	15-1/8"	1-1/4"	8-1/2"	3"	12-1/4"	1-1/2"	24	1/2"	8, 9, 10, 12, 14, 16, 18, 20
20"	19-3/4"	17"	1-7/8"	9"	1-1/2"	16-1/2"	1-5/8"	24	1/2"	12, 14, 16, 18, 20, 22
24"	23-1/2"	19-3/4"	2-3/16"	12-1/4"	1-1/2"	20"	2"	24	5/8"	14, 16, 18, 20, 22
36"	35-3/4"	29-1/2"	2-1/2"	16"	1-1/2"	34-1/4"	3-1/4"	24	1"	18, 20, 22



Opt. 1

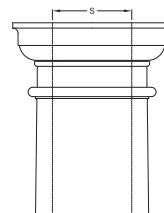


Opt. 2



Columns to Surround Structural Supports			
Column Diameter	Inside Top Shaft Diameter (S)	Largest Round Support	Largest Square Support
6"	4"	3-1/2"	2-3/8"
8"	5-1/2"	5"	3-1/2"
10"	7-1/8"	6-5/8"	4-5/8"
12"	8-5/8"	8-1/8"	5-3/4"
14"	10-1/8"	9-5/8"	6-3/4"
16"	12-1/4"	11-3/4"	8-1/4"
18"	13-1/4"	12-3/4"	9"
20"	14-3/8"	13-7/8"	9-3/4"
22"	16-3/8"	15-7/8"	11-1/8"
24"	17-1/8"	16-5/8"	11-3/4"
28"	20-1/4"	19-3/4"	13-7/8"
30"	22-7/8"	22-3/8"	15-3/4"
36"	26-3/8"	25-7/8"	18-1/4"
42"	32-5/8"	32-1/8"	22-5/8"

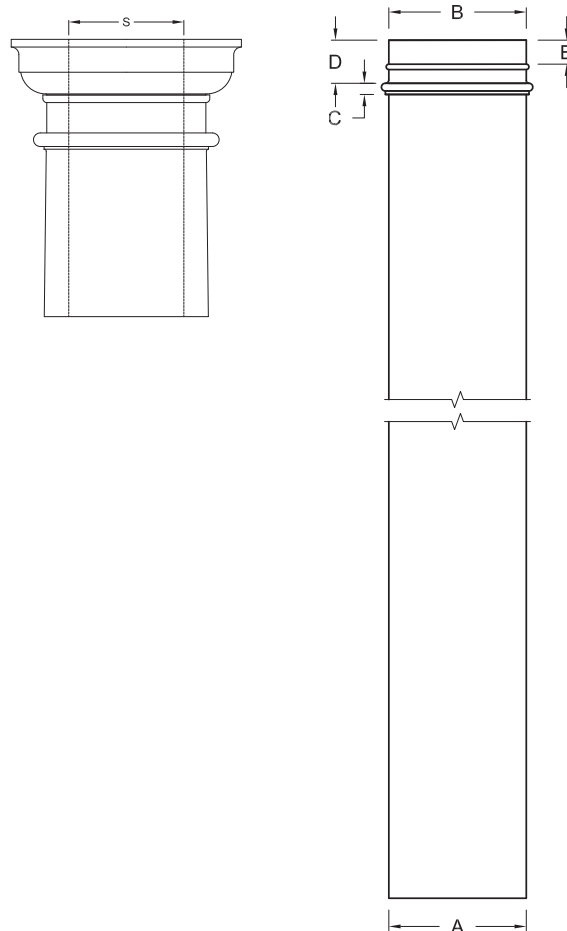
Columns that surround structural supports are typically split. The chart allows for saw kerf. Columns that are split are no longer considered load-bearing. The inside diameter of decorative capitals is much smaller than the column shaft so the chart above will not work for decorative capital applications. To insure that the column ordered will surround the intended structural support, the column needs to be split by Royal Corinthian and the shape and size of the structural support needs to be indicated on the purchase order. Royal Corinthian will not accept any liability if columns are purchased not split and do not wrap the published structural support sizes. When a column is ordered full round (not split), it is implied that the column will not be used to surround a structural support. If the contractor intends to drop a full round (not split) column around the structural support, the shape and size of the structural support need to be noted at the time of order on the purchase order. Please note that this chart is for Round Tapered RoyalCast Columns; RoyalStone Columns tend to be slightly thicker than RoyalCast.



Round Non-Tapered Columns

RoyalCast & RoyalStone Column Specifications

Columns to Surround Structural Supports			
Column Diameter	Inside Top Shaft Diameter	Largest Round Support	Largest Square Support
	(S)		
8"	6-1/2"	6"	4-1/8"
10"	8-5/8"	8-1/8"	5-5/8"
12"	10-1/2"	10"	7"
14"	12-3/8"	11-7/8"	8-3/8"
16"	14"	13-1/2"	9-1/2"
18"	15-7/8"	15-3/8"	10-3/4"
24"	21-1/2"	21"	14-3/4"



Columns that surround structural supports are typically split. The chart above allows for saw kerf. Columns that are split are no longer considered load-bearing. The inside diameter of decorative capitals is much smaller than the column shaft so the chart above will not work for decorative capital applications. To insure that the column ordered will surround the intended structural support, the column needs to be split by Royal Corinthian and the shape and size of the structural support needs to be indicated on the purchase order. Royal Corinthian will not accept any liability if columns are purchased not split and do not wrap the published structural support sizes. When a column is ordered full round (not split), it is implied that the column will not be used to surround a structural support. If the contractor intends to drop a full round (not split) column around the structural support, the shape and size of the structural support need to be noted at the time of order on the purchase order. Please note that this chart is for Round Non-Tapered RoyalCast Columns; RoyalStone Columns tend to be slightly thicker than RoyalCast.

Plain Non-Tapered Column Dimensions							
Column Diameter	Bottom Shaft Dia.	Top shaft Dia.	Bead Width	Cut at Bead Loss	First Ring	Minimum Wall Thickness	Available Lengths (feet)
	(A)	(B)	(C)	(D)	(E)		
8"	7-1/2"	7-1/2"	3/4"	4-5/8"	2-1/2"	3/8"	6, 8, 9, 10
10"	10"	10"	3/4"	5"	3-1/8"	3/8"	6, 8, 9, 10
12"	12"	12"	7/8"	6-1/4"	3-1/2"	3/8"	6, 8, 9, 10, 12, 14, 16
14"	14"	14"	1-1/4"	6-15/16"	3-7/8"	1/2"	6, 8, 9, 10, 12, 14, 16, 18
16"	15-5/8"	15-5/8"	2"	8-5/8"	5-1/4"	1/2"	6, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24
18"	17-5/8"	17-5/8"	2-1/8"	9-1/4"	5-3/8"	5/8"	6, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26
24"	23-7/8"	23-7/8"	2-3/8"	12-1/4"	8-3/8"	5/8"	6, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26

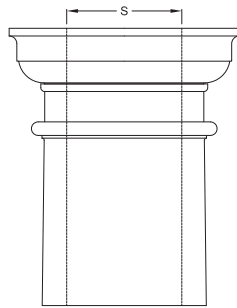
RoyalLite™ Square Non-Tapered

RoyalLite Column Specifications

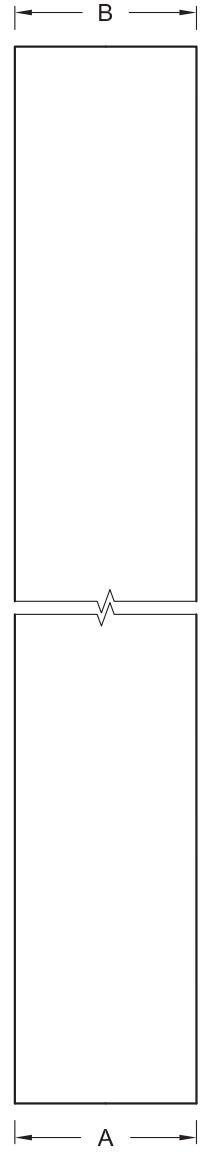
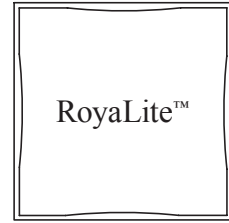
RoyalLite Square Non-Tapered Columns						
Column Width	Bottom Shaft Width (A)	Top Shaft Width (B)	Bead Width (C)	Minimum Wall Thickness	Load-bearing Capacity* (lbs.)	Available Lengths (feet)
6"	5-5/8"	5-5/8"	1-1/4"	1/8"	5,000	8, 10
8"	7-5/8"	7-5/8"	1-1/4"	1/8"	6,500	8, 9, 10, 12
10"	9-5/8"	9-5/8"	1-1/4"	1/8"	7,000	8, 9, 10, 12
12"	11-5/8"	11-5/8"	1-1/4"	1/8"	7,500	8, 9, 10, 12, 16

Columns to Surround Structural Supports			
Column Width	Inside Top Shaft Diameter (S)	Largest Round Support	Largest Square Support
6"	5-1/8"	4-5/8"	4-5/8"
8"	7-1/8"	6-5/8"	6-5/8"
10"	9-1/8"	8-5/8"	8-5/8"
12"	11-1/8"	10-5/8"	10-5/8"

Columns that surround structural supports are typically split. The chart above allows for saw kerf. Columns that are split are no longer considered load-bearing. The inside diameter of decorative capitals is much smaller than the column shaft so the chart above will not work for decorative capital applications. To insure that the column ordered will surround the intended structural support, the column needs to be split by Royal Corinthian and the shape and size of the structural support needs to be indicated on the purchase order. Royal Corinthian will not accept any liability if columns are purchased not split and do not wrap the published structural support sizes. When a column is ordered full round (not split), it is implied that the column will not be used to surround a structural support. If the contractor intends to drop a full round (not split) column around the structural support, the shape and size of the structural support need to be noted at the time of order on the purchase order. Please note that this chart is for Square Non-Tapered RoyalLite Columns; RoyalCast and RoyalStone Square Columns will wrap smaller supports due to thicker wall thicknesses.

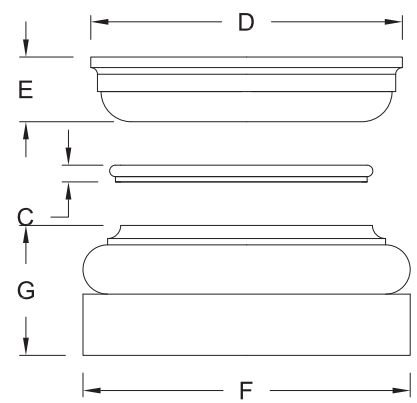


CUT TOP VIEW



RoyalLite™ Square Columns are a pultruded Fiberglass (1/8" and 1/4" wall thickness) which come with RoyalCast™ poly/marble caps and bases and are a stock item.

Size	Tuscan Cap			Tuscan Base		
	Width	Height	Weight (lbs.)	Width	Height	Weight (lbs.)
	(D)	(E)		(F)	(G)	
6"	8-1/4"	2-3/16"	1.5	8"	3-1/4"	4
8"	10-7/8"	3"	2.5	10-1/2"	4-1/4"	6
10"	13-9/16"	3-3/4"	7	13-5/16"	5-5/8"	12.5
12"	17-3/8"	4-1/8"	19	16-1/8"	6-1/4"	31



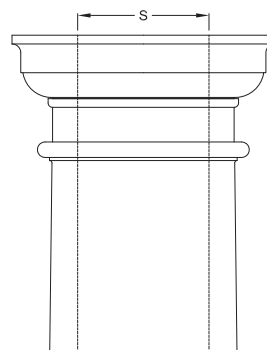
Square Non-Tapered Columns

RoyalCast & RoyalStone Column Specifications

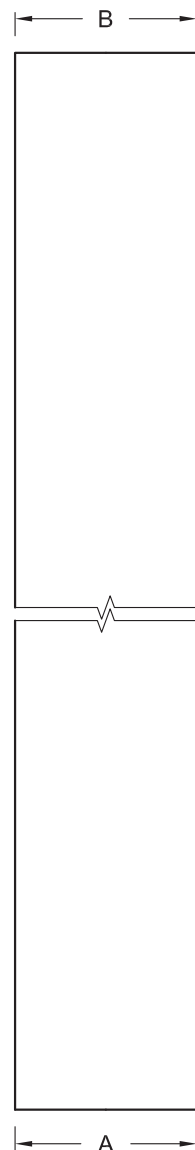
Square Non-Tapered Columns						
Column Width	Bottom Shaft Width (A)	Top Shaft Width (B)	Bead Width (C)	Minimum Wall Thickness	Load-bearing Capacity* (lbs.)	Available Lengths (feet)
6"	5-5/8"	5-5/8"	1-1/4"	1/2"	8,000	6, 8, 9, 10
8"	7-5/8"	7-5/8"	1-1/4"	1/2"	10,000	6, 8, 9, 10, 12
10"	9-5/8"	9-5/8"	1-1/4"	1/2"	14,000	6, 8, 9, 10, 12
12"	11-5/8"	11-5/8"	1-1/4"	1/2"	18,000	6, 8, 9, 10, 12, 14, 16
16" *	16"	16"	1-5/8"	5/8"	20,000	6, 8, 9, 10, 12, 14, 16, 18, 20

*16" neck ring is part of column shaft. Can be removed (\$150 List)

Columns to Surround Structural Supports			
Column Width	Inside Top Shaft Diameter (S)	Largest Round Support	Largest Square Support
6"	4-5/8"	4-1/8"	2-7/8"
8"	6-1/2"	6"	4-1/8"
10"	8-1/2"	8"	5-5/8"
12"	10-1/2"	10"	7"
16"	14-1/2"	14"	9-7/8"

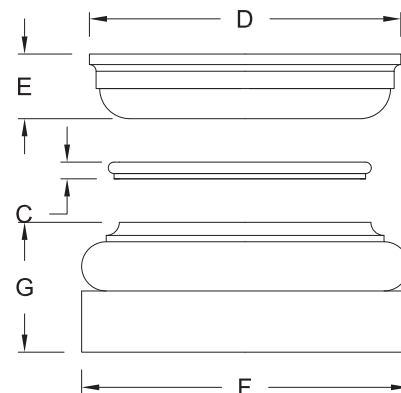


CUT TOP VIEW



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Size	Tuscan Cap			Tuscan Base		
	Width (D)	Height (E)	Weight (lbs.)	Width (F)	Height (G)	Weight (lbs.)
6"	8-1/4"	2-3/16"	1.5	8"	3-1/4"	4
8"	10-7/8"	3"	2.5	10-1/2"	4-1/4"	6
10"	13-9/16"	3-3/4"	7	13-5/16"	5-5/8"	12.5
12"	17-3/8"	4-1/8"	19	16-1/8"	6-1/4"	31
16"	20-5/8"	5-5/8"	28	20-1/2"	9-1/2"	49



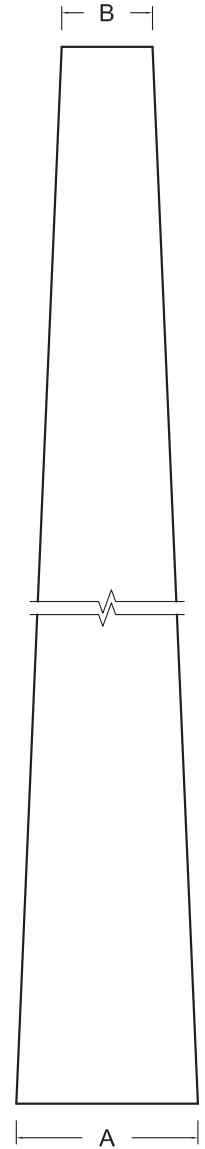
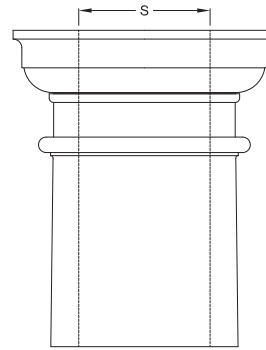
Square Tapered Columns

RoyalCast & RoyalStone Column Specifications

Column Size	Bottom Shaft Width	Top Shaft Width	Bead Width	Minimum Wall Thickness	Load-bearing Capacity* (lbs.)
	(A)	(B)	(C)		
10">8" x 5'-6"	9"	7-5/8"	1-1/4"	1/2"	14,000
10">8" x 8'	9-5/8"	7-5/8"	1-1/4"	1/2"	14,000
10">8" x 10'	10-1/8"	7-5/8"	1-1/4"	1/2"	14,000
12">10" x 5'-6"	11-3/8"	9-5/8"	1-1/4"	1/2"	18,000
12">10" x 8'	12"	9-5/8"	1-1/4"	1/2"	18,000
14">10" x 12'	13-1/4"	9-5/8"	1-1/4"	1/2"	20,000
16">10" x 5'	13-5/8"	9-5/8"	1-1/4"	5/8"	20,000
16">10" x 8'	16"	9-5/8"	1-1/4"	5/8"	20,000
18">10" x 10'	17-19/32"	9-5/8"	1-1/4"	3/4"	20,000

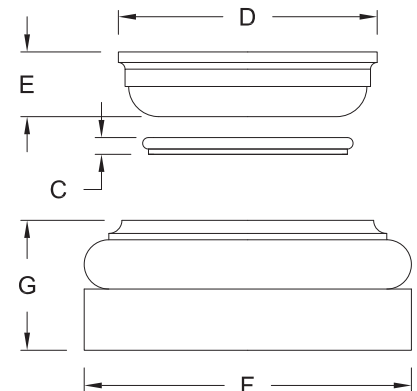
Columns to Surround Structural Supports

Column Width	Inside Top Shaft Diameter (S)	Largest Round Support	Largest Square Support
10"	6-1/2"	6"	4-1/8"
12"	8-1/2"	8"	5-5/8"
14"	8-1/2"	8"	5-5/8"
16"	8-1/2"	8"	5-5/8"
18"	8-1/2"	8"	5-5/8"



Columns that surround structural supports are typically split. The chart above allows for saw kerf. Columns that are split are no longer considered load-bearing. The inside diameter of decorative capitals is much smaller than the column shaft so the chart above will not work for decorative capital applications. To insure that the column ordered will surround the intended structural support, the column needs to be split by Royal Corinthian and the shape and size of the structural support needs to be indicated on the purchase order. Royal Corinthian will not accept any liability if columns are purchased not split and do not wrap the published structural support sizes. When a column is ordered full round (not split), it is implied that the column will not be used to surround a structural support. If the contractor intends to drop a full round (not split) column around the structural support, the shape and size of the structural support need to be noted at the time of order on the purchase order.

Size	Tuscan Cap			Tuscan Base		
	Width (D)	Height (E)	Weight (lbs.)	Width (F)	Height (G)	Weight (lbs.)
10"	10-7/8"	3"	2.5	13-5/16"	5-5/8"	12.5
12"	13-9/16"	3-3/4"	7	16-1/8"	6-1/4"	31
14"	13-9/16"	3-3/4"	7	18-1/8"	7-3/8"	29
16"	13-9/16"	3-3/4"	7	20-1/2"	9-1/2"	50
18"	13-9/16"	3-3/4"	7	24"	9-3/4"	72

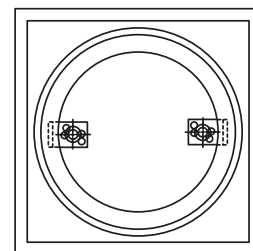
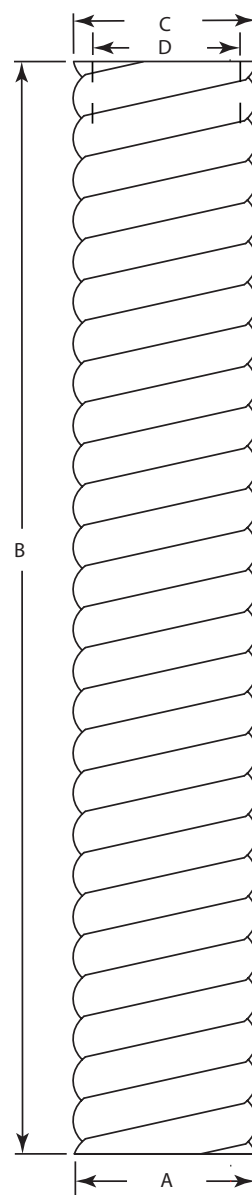


Twist Non-Tapered Columns (Rope)

RoyalCast & RoyalStone Column Specifications

Column Diameter	Bottom Diameter	Total Length	Top Diameter	Top Inner Diameter *	Load-bearing Capacity * (lbs.)
	(A)	(B)	(C)	(D)	
6"	5-7/8"	6'-7-3/4"	5-5/8"	3-1/2"	8,000
8"	7-3/4"	8'-2-3/4"	7-3/4"	5"	10,000
10"	9-1/2"	14'-6"	9-1/2"	7"	14,000
12"	11-3/4"	10'-10"	11-3/4"	9"	18,000
16"	16"	9'-10"	16"	13-3/4"	20,000

* Tuscan cap and base detract from the inner diameter of the column. For split column specifications, contact our sales department.



Typical cap installation.

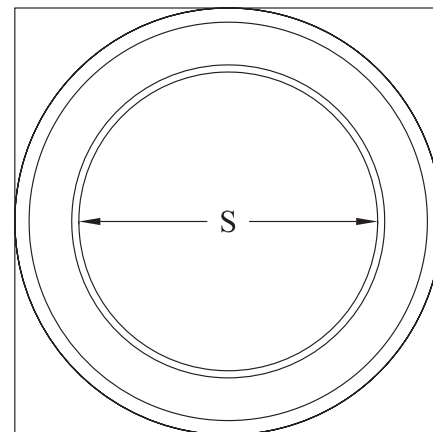
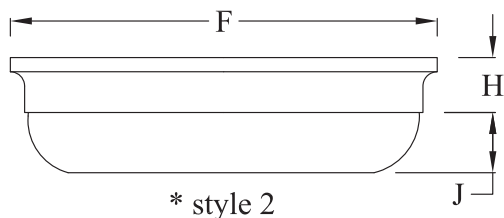
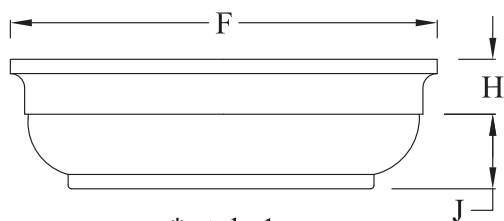
Twist shaft is NOT a through shaft i.e. the shaft does not ever go through the cap and base. The cap and the base will always add to the overall height. Please view image to the right to see bracket installation.

Tuscan Cap (Round Tapered Columns)

RoyalCast & RoyalStone Tuscan Cap Specifications

Tuscan Cap Dimensions						
Column Diameter	Hole Diameter	Round Cap	Square Abacus		Total Cap	Weight (lbs.)
	(S)	J	H	F	J H	
6"	5-3/8"	1-3/8"	3/4"	7-1/2"	2-1/8"	4.5
8"	6-1/2"	1-1/2"	1-3/8"	9-3/8"	2-7/8"	5.5
10"	8-3/8"	1-3/4"	1-3/4"	11-7/8"	3-1/2"	7.5
12"	10"	2-1/8"	2"	14-1/8"	4-1/8"	12
14"	12"	1-5/8"	2-3/8"	17-1/8"	4"	14
16"	14"	1-7/8"	2-3/4"	19"	4-5/8"	27
18"	15-1/2"	2-1/8"	3"	21-1/4"	5-1/8"	30
20"	17-1/2"	2-1/8"	3-1/4"	24-1/4"	5-3/4"	55
22"	18-1/4"	2-1/2"	3-3/4"	26-1/2"	6-1/4"	70
24"	20-1/4"	2-5/8"	4-1/2"	29-3/4"	7-1/8"	80
28"	23-3/8"	3-1/8"	4-5/8"	32-3/4"	7-7/8"	120
30"	26-1/2"	3-5/8"	5-1/8"	36-1/8"	8-3/4"	150
36"	30-5/8"	3-11/32"	5-1/16"	40-9/16"	8-13/32"	220

To determine which cap to use with round non-tapered columns and round twist (rope) columns, use the cap whose "hole diameter" is closest to the column "top shaft diameter".



* Tuscan Cap style depends on whether or not the column shaft has a second ring above the bead or astragal to support the capital. When a shaft with a secondary ring is installed with a Tuscan cap of "style 2", the appearance of the cap and second ring is that of "style 1".

Tuscan & Attic Base (Round Tapered Columns)

RoyalCast & RoyalStone Tuscan & Attic Base Specifications

Tuscan Base Dimensions						
Column Bottom Diameter	Hole Diameter	Total Height	Plinth Width	Plinth Height	Round Base	Weight (lbs.)
	(S)	E D	C	D	E	
6"	5-7/8"	3-3/8"	8"	1-12"	1-7/8"	3.5
8"	7-7/8"	4-1/8"	10-3/8"	1-7/8"	2-1/4"	7.5
10"	9-7/8"	5-3/8"	13-1/8"	2-3/8"	3"	16
12"	11-7/8"	6-3/8"	15-3/8"	2-3/4"	3-5/8"	22.5
14"	14"	7-3/8"	18-1/8"	3-1/8"	4-1/4"	31.5
16"	16"	8-5/8"	21-1/4"	3-7/8"	4-3/4"	46.5
18"	18-1/4"	9-3/4"	24"	4-1/4"	5-1/2"	78
20"	20-3/8"	10-1/2"	27"	4-3/4"	5-3/4"	106
22"	22-3/8"	12-1/8"	29-3/4"	5-1/4"	6-7/8"	130
24"	24-3/8"	13-1/4"	32-1/2"	6"	7-1/4"	230
28"	28-3/8"	15-1/2"	38"	6-3/4"	8-3/4"	280
30"	30-5/8"	16-1/8"	40"	7-1/8"	9"	320
36"	36-1/4"	16-3/16"	46-3/4"	7-3/16"	9"	400

Attic Base Dimensions					
Column Bottom Diameter	Hole Diameter	Round Base	Plinth Height	Plinth Width	Weight (lbs.)
	(S)	(A)	(B)	(C)	
6"	5-7/8"	2"	1"	7-3/4"	4
8"	7-7/8"	3-1/4"	1-7/8"	10-5/8"	10
10"	9-7/8"	3-3/4"	3-3/8"	13-3/8"	15
12"	11-7/8"	4-1/2"	3-5/8"	16"	26.5
14"	14"	5-3/8"	3-3/8"	19-1/4"	44.5
16"	16"	6"	3-7/8"	21"	66
18"	18-1/4"	6-3/4"	4-1/4"	24-1/4"	105
20"	20-3/8"	8-1/8"	4-3/4"	26-1/2"	120
22"	22-3/8"	9"	5-1/4"	29-3/4"	155
24"	24-3/8"	9-5/8"	5-1/2"	32"	215
28"	28-3/8"	11-3/8"	6-3/4"	38"	290
36"	30-5/8"	14-1/4"	8-3/4"	48"	720

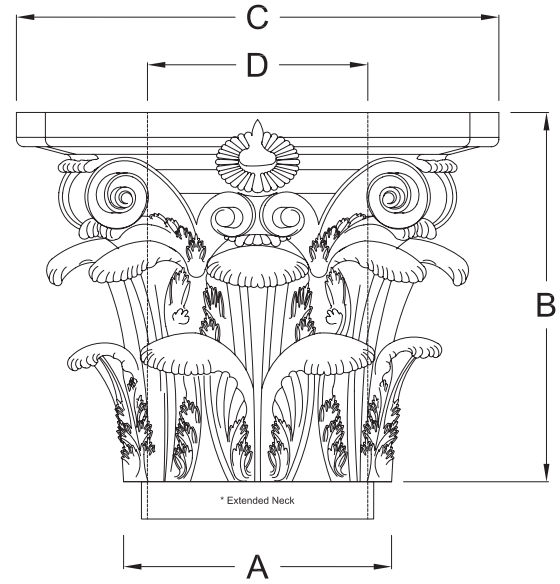
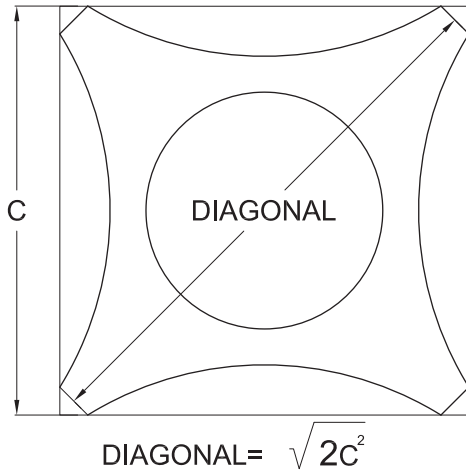


All bases are available without the plinth or with a round plinth instead of square. The plinth diameter may vary slightly from the plinth width when opting for round instead of square. Some Tuscan Bases do not have the slight curvature to the top of the plinth.

Decorative Capitals (Round Tapered Columns)

RoyalCast & RoyalStone Column Specifications

Chart "column diameter" based on Round Tapered Columns



Roman Corinthian					
Column Diameter	Cap Diameter (A)	Height (B)	Top Width (C)	Hole Diameter (D)	Weight (lbs.)
6"	5"	6 -1/2"	9-1/2"	4"	10
8"	7-1/4"	10"	12-3/4"	4-1/2"	23
10"	9"	11"	14-1/4"	6"	30
12"	10-1/4"	14-1/4"	17-3/4"	7-1/4"	75
14"	12-1/2"	17-1/4"	22"	9"	106
16"	14-1/4"	17-1/2"	24"	11"	132
18"	16-1/4"	23-1/2"	32-1/2"	13-1/2"	290
20"	18-1/2"	26"	37-1/2"	14-3/4"	390
24"	22-1/2"	31"	40-1/2"	19-1/4"	490
30"	26"	37-1/4"	46-1/2"	23"	870



Scamozzi					
Column Diameter	Cap Diameter (A)	Height (B)	Top Width (C)	Hole Diameter (D)	Weight (lbs.)
8"	6-3/4"	3-1/8"	9-1/2"	4-1/4"	8
10"	8-1/2"	4"	13-1/2"	6-1/4"	19
12"	11"	5"	16-1/2"	7-1/2"	33
14"	13"	6-1/4"	19-1/4"	9"	50
16"	14-1/2"	6-1/2"	22"	9-1/2"	71
18"	16-3/4"	6-1/2"	24"	13-1/4"	130
20"	18"	8-1/2"	27-1/2"	15-3/4"	165
24"	22"	11-1/2"	35"	18-3/4"	300
48"	*	*	*	*	900



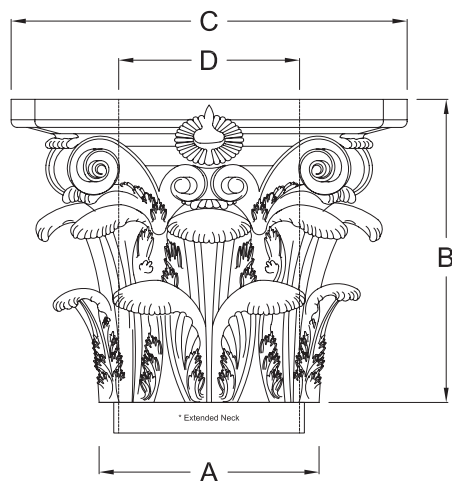
Decorative Capitals are traditionally used with Round Tapered Columns. The same decorative capitals are used for round non-tapered columns and round twist columns. For Round non-tapered and round twist columns match the column diameter to the closest cap diameter on the chart.

* Decorative capitals for tapered columns 6" through 16" come with an extended neck; decorative capitals for tapered columns above 16" come with an embedded L-bracket that lines up with embedded L-brackets in the column shaft. Decorative capitals with embedded L-brackets will decrease the "hole diameter" (L-brackets can be removed: Indicate no L-brackets on purchase order).

Decorative Capitals (Round Tapered Columns)

RoyalCast & RoyalStone Column Specifications

Chart "column diameter" based on Round Tapered Columns



Temple of The Winds					
Column Diameter	Cap Diameter (A)	Height (B)	Top Width (C)	Hole Diameter (D)	Weight (lbs.)
6"	4-1/2"	7-1/4"	8"	2-1/4"	7
8"	7"	8-1/8"	12"	4"	14.5
10"	9"	9-1/2"	13-1/2"	6"	30.5
12"	10-1/4"	11-1/4"	16-3/4"	7-1/4"	41
14"	12"	16"	19"	9"	120
16"	14"	16"	22-3/4"	9-1/2"	160
18"	16"	18"	26"	14"	175
20"	17-1/4"	21-1/2"	28"	14"	210
24"	21"	28-1/2"	31-1/4"	17"	360
36"	29"	37-1/4"	46"	26"	720



Roman Ionic					
Column Diameter	Cap Diameter (A)	Height (B)	Top Width (C)	Hole Diameter (D)	Weight (lbs.)
6"	5"	2-1/4"	6-1/8"	2-1/4"	4
8"	6-1/2"	3-1/4"	8-1/4"	3-3/4"	11
10"	9"	4"	10-1/2"	6"	19.5
12"	10-1/2"	4-1/2"	12-1/2"	7-3/4"	28
14"	13-1/4"	6"	17-1/2"	8-3/4"	57
16"	13-1/2"	6-1/8"	16-1/2"	11"	65
18"	16-1/4"	7"	19-1/2"	13-1/4"	100
20"	18-1/2"	9"	24-1/2"	14-1/2"	190
24"	23"	9"	25-1/4"	20"	250



Decorative Capitals are traditionally used with Round Tapered Columns. The same decorative capitals are used for round non-tapered columns and round twist columns. For Round non-tapered and round twist columns match the column diameter to the closest cap diameter on the chart.

* Decorative capitals for tapered columns 6" through 16" come with an extended neck; decorative capitals for tapered columns above 16" come with an embedded L-bracket that lines up with embedded L-brackets in the column shaft. Decorative capitals with embedded L-brackets will decrease the "hole diameter" (L-brackets can be removed: Indicate no L-brackets on purchase order).

Column Installation Instructions

Tools & Materials Needed for Installation

Pencil	Level
Circular saw with Masonry Blade *	Angle square/angle measurement tool
Utility knife	Tape measure 25-30 ft.
Sand Paper (50 grit)	Caulk gun
Shims	Rags
Hammer	Construction adhesive
Screws, bolts, nuts, washers, etc.	Chalk line
Caulk **	

* Circular saw with Masonry Blade needed only if columns aren't factory cut to overall height

** Sonneborn Sonolastic Np-1 Caulk can be used for RoyalStone™ (colors come close to those offered by Royal Corinthian)

Column Installation

Note: Due to the weight of Decorative Capitals and large column shafts, please consult contractor and engineer in each application. Equipment may be required to assist in the lifting of Decorative Capitals and/or column shafts. Please use appropriate protective gear at all times. For split columns incorporate the 7 split column installation steps into the 14 steps below. Read instructions all the way through before beginning installation.

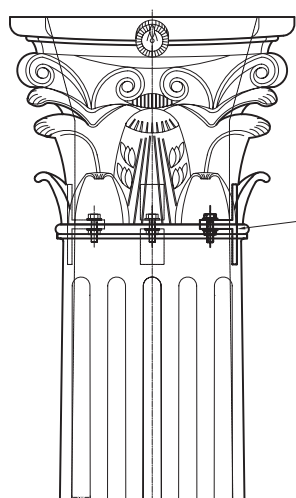
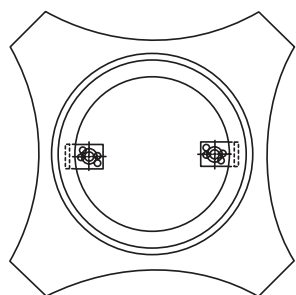
1. Position of base is determined by dropping plumb line from center of soffit to the floor. Mark the point with an X. This point is where the center of the base will sit so that the shaft and capital will align with the center of the soffit.
2. Measure the overall height from floor to soffit. Raise soffit slightly with brace for easy installation of column or allow for "breathing room" between the overall height of the column and the rough opening. Any extra room between the bottom of the column shaft and the floor (or sometimes the base if shaft sits on base as opposed to inside of it) can be eliminated by shimming up the column shaft with an upward pressure (for load-bearing installations, do not use the shim method).
3. All column shafts used with Decorative Capitals should be trimmed flush above the neck ring or astragal. Columns can be ordered from Royal Corinthian with a cut at neck or the cut can be made on site using a circular saw. Decorative capitals above 16" use an embedded L-bracket installation method as opposed to an extended neck and need to be cut at neck by Royal Corinthian to accommodate said hardware. The L-brackets can be removed during fabrication if this method is not desired. The Decorative Capital should sit flush on the bead or astragal with the neck extension of the capital (if applicable) sliding into the shaft.
4. Column shaft should then be trimmed from the bottom only to achieve the overall height of the opening (allow some space so that column won't be forced into the opening or raise the soffit per step 2, for load-bearing installations, only use the soffit raising method). Royal Corinthian can cut columns to your overall height requirement. Overall column height includes the Decorative Capital and the column shaft after the cut at neck. Typically, the column base slides over the shaft and does not add to the overall height. In some instances, the column shaft will sit on the base so the base would also be included in the overall height.
5. Slide base onto column shaft from the bottom.
6. Place shaft into base. While shaft is being held in a slightly angled position, place Decorative Capital into shaft. Make sure the neck extension of Decorative Capital slides all the way down into the shaft and the Decorative Capital sits flush on the bead or astragal. (For 18" Decorative Capitals and up, secure Decorative Capital to shaft neck using embedded L-brackets with nuts, washers and bolts)
7. Straighten the column until the Decorative Capital is in position under the soffit and the base is centered around the mark on the floor.
8. Anchor Decorative Capital into soffit by pre-drilling and using a toenailing attachment method. Use stainless steel screws and seal with appropriate caulk. Waterproof silicon caulk recommended for RoyalCast columns.
9. Attach Decorative Capital with extended neck to shaft by drilling pilot holes through the shaft and into the neck extension of the Decorative Capital. Secure with toenailing attachment method.
10. If installation requires the use of L-brackets at the bottom of the shaft prior to the column bearing weight, use small L-brackets to insure that base will cover them when seated. In securing bracket to shaft, use through bolts not screws. Do not over tighten.
11. If applicable, remove brace from step 2 to allow load to bear on column.
12. Secure base to floor using appropriate fasteners
13. Caulk between the Decorative Capital and soffit, the cap and shaft, and the base and shaft to insure a finished appearance.
14. If joining a split Decorative Capital, apply a two-part epoxy and join the two halves. Use strapping to hold the two halves together while the epoxy hardens.

Split Columns Installation

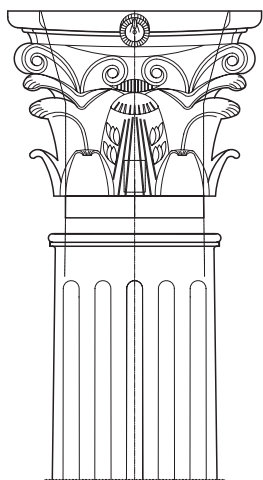
- 1- Wrap shaft around existing column or beam
- 2- Apply heavy duty caulk or epoxy to the seams
- 3- Attach base around the bottom of the column and fasten to the ground with screws
- 4- Strap column and base halves together until they bond
- 5- Similarly attach the capital on top of the column and fasten it to the ceiling with screws
- 6- Strap the capital halves together until they bond
- 7- To conceal seams, clean with a wet rag after applying caulk and epoxy

To more efficiently cover up seams on paint-grade fiberglass columns use a car-bondo or putty and apply against the seams in order to conceal them. Sand the seams smooth. For RoyalStone™ columns, RoyalStone™ patch material can be used. The mix ratio is 10 parts matrix to 1 part clear catalyst by volume.

Column Installation



* Type one installation



* Type two installation

APPLY GENERAL CONSTRUCTION ADHESIVE ON CAPITAL

CAPITAL

INSTALL WITH COLUMN RING AT TOP

SHAFT

DRILL 4 HOLES THRU CAP FASTEN WITH SCREW PATCH HOLES

CAULK

1/2" X 3" BOLT, NEED FOUR BOLTS FOR INSTALLATION, ALSO NEED 8 WASHERS, FOUR NUTS



ANGLES ARE EMBEDDED IN MATERIAL

DRILL 4 HOLES INTO BASE 1/2" DIA FROM FAR SIDE DRILL HOLES INTO FLOOR THE SAME LOCATION AS BASE, PLACE PINS INTO FLOOR WITH EPOXY GLUE, FILL HOLES IN BASE ALSO WITH EPOXY, THEN POSITION BASE OVER PINS IN FLOOR. ALT. USE SCREWS AS WITH CAPITAL.

CAULK

BASE

FLOOR

APPLY GENERAL CONSTRUCTION ADHESIVE ON BASE

3/8 DIA LOCATOR PIN

* All decorative capitals 18" and greater typically use the L-bracket method of attachment pictured at top left. All decorative capitals smaller than 18" typically use extended neck method of attachment pictured at bottom left.

Posts & Balustrades

by Royal Corinthian, Inc.



Balustrade Ordering Guide

A balustrade is a system comprised of balusters, top and bottom rails, posts and post caps, support blocks, and hardware.

1. System size/weight requirements

- a. 36" or 42" height (commercial or residential: check local building code)
- b. Spacing requirements: 4" min. sphere between balusters (typical) or Decorative
- c. Small system, medium, or very wide: 7-1/2" wide rail system (most popular: 0431)
- d. All system are lightweight poly/marble composite (products can be solid cast)
- e. Medium system roughly 50 lbs per foot (0431 with 0210 balusters)

2. System color/texture requirements

- a. RoyalStone Prefinished (6 standard colors and 3 textures)
 - White, Sandstone, limestone, cream, off-white, gray (custom available)
 - Textured finish (standard), smooth finish, coral finish (actual shells/coral aggregate used)
- b. RoyalCast Paint-grade Fiberglass (will require priming and painting)
 - Smooth paint-grade gray color (same as RoyalCast fiberglass columns)

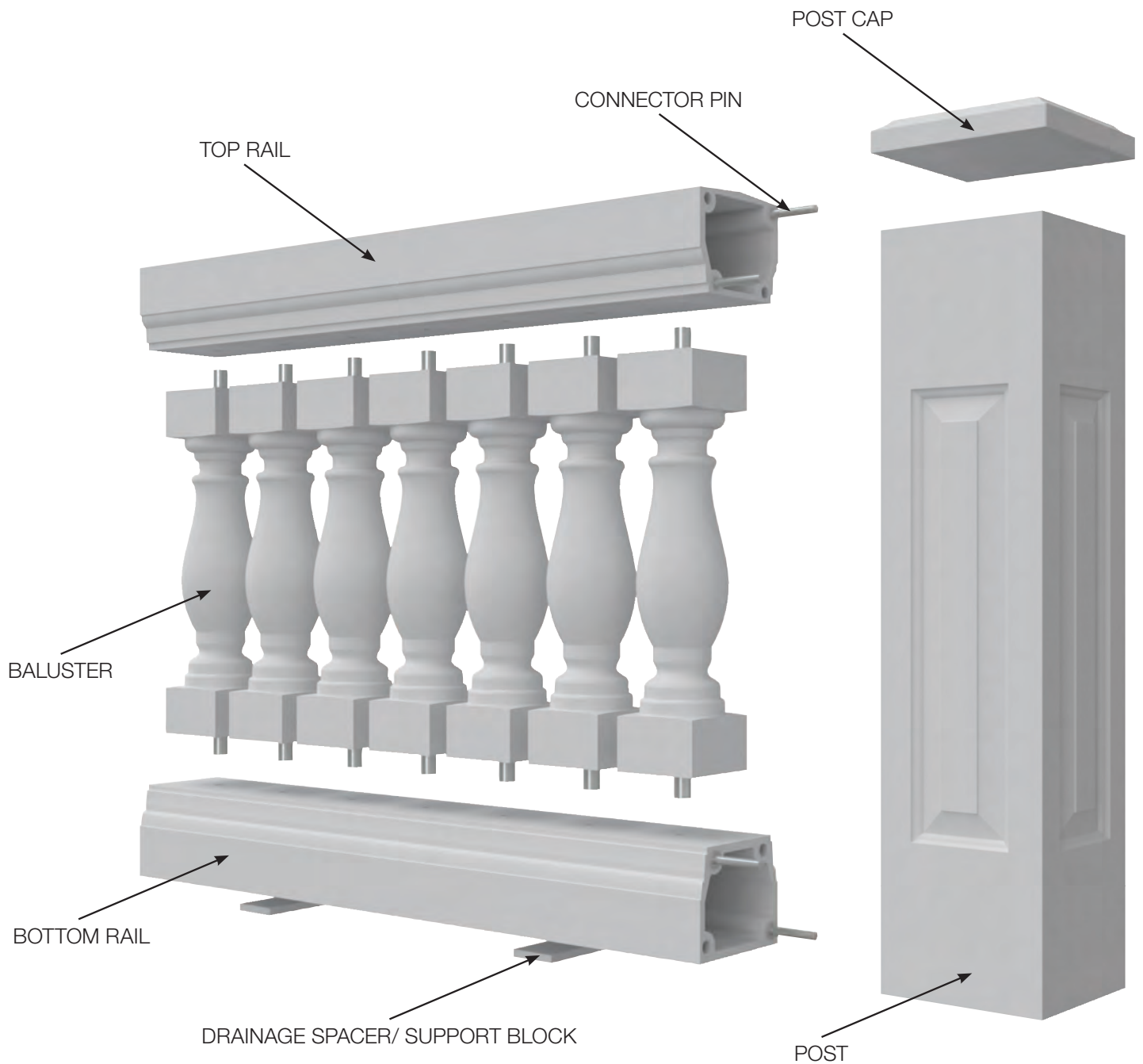
3. Component requirements

- a. Baluster
 - Round or square baluster, round or square plinths on baluster
 - Short or tall baluster, wide or thin baluster
 - Standard baluster, custom baluster, historic restoration replica
 - Regular baluster or stair baluster (balusters can be made to pitch)
- b. Top and Bottom Rail
 - Top and Bottom Rail or just top rail and no bottom rail
 - Top rail width: 10", 7-1/2", 6", 6-13/16", 6-5/8", 5-3/4", 4-1/4"
 - Straight rails, radius rails, radius twist for radius stair sections
 - Templates of radius sections facilitate the manufacturing process
 - Some rails span up to 20' (ordered in 1' increments)
 - Radius rails tighter than 6' (may require mold charge)
- c. Post
 - Recessed panel post or routed edge post
 - Recessed panel posts can have 1, 2, 3 or 4 sides without a panel
 - Royal Corinthian recessed panel posts are made to work with our structural systems (36" and 42" heights) with panels on all 4 sides, except at top and bottom of stairs (use end posts). In decorative applications, rails may run into the panel design so we offer corner, thru, and end-posts at no extra charge.
 - Use 44" posts with 42" rail heights and 46" posts at bottom of stairs
- d. Post Cap
 - PC-1 flat top with routed edge standard, peaked tops available
 - All peaked caps can be made flat to support decorative finials or columns
 - Use 44" posts with 42" rail heights and 46" posts at bottom of stairs
- e. Drainage Spacer/Support Block
 - Drainage Spacers can be used as support blocks to achieve overall system height
 - Use appropriate drainage spacer when drainage under bottom rail is needed
 - Spacers/Support Blocks should be used every 2-3 feet
- f. Connector Pin
 - Use RB411 with all straight rails (need 4 pins per rail)
 - Use RB431 with all radius rails (need 2 brackets per rail)
 - Standard connector pins extend approx. 2-1/2" beyond end of rail (longer pins available)

4. Additional costs to consider (provided by others)

- a. Caulk for joints and adhesive for in between balusters and rail
- b. Screws, shims, post installation hardware
- c. Freight Costs: our crates are NOT stackable
- d. Large crates will require forklifts, Lulls, etc. to unload truck at jobsite

Balustrade Assembly (typical)



All components sold separately.

System Height is determined by the summation of component heights including: baluster height, top rail height, bottom rail height, and spacer/ support block height.

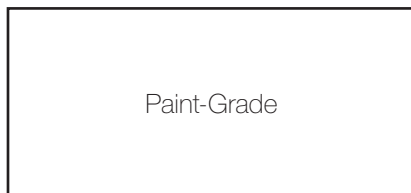
© ROYAL CORINTHIAN, INC. 2012

RoyalStone™ & RoyalCast™ Balustrades

RoyalStone™

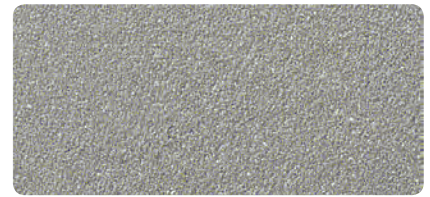
- **Lightweight Stone**
- **Pre-finished Product**
- **Color Throughout**
- **Textured, Smooth, and Coral**
- **Custom Colors and Aggregates**

PAINT-GRADE



All Balustrade components are available as RoyalCast or Paint-Grade.

CLIFFSIDE GREY



CREAM



LIMESTONE



OFF-WHITE



SANDSTONE



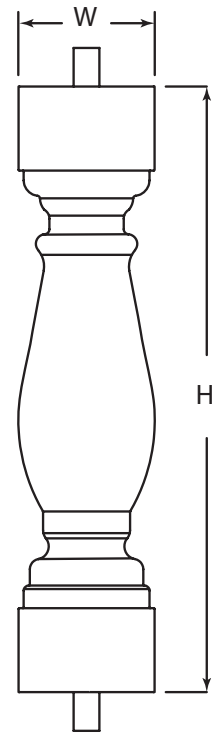
WHITE



Pictured with textured finish. All standard colors are available in smooth or coral finishes (call for pricing). Custom colors, aggregates, and textures are available (call for pricing).

Baluster Price List

Name	Item#	Dimensions	Weight (lbs.)	Price/Piece
		(H x W)		
Royal Georgian	0205	26-1/8" X 3-3/8"	7	\$56.00
Royal Georgian Stair	0205-S	29-1/2" X 3-3/8"	8	\$60.00
Royal Georgian-31	0205-31	31-1/2" X 3-3/8"	9	\$70.40
Royal Monarch	0209	26-5/8" X 4-1/2"	8	\$72.00
Royal Monarch Stair	0209-S	31-7/8" X 4-1/2"	10	\$92.40
Royal Monarch-15	0209-15	14-7/8" X 4-1/4"	7	\$70.40
Port Royal-24	0210	23-1/2" X 5-1/4"	9	\$72.00
Port Royal-24-Stair	0210-S	29-7/8" X 5-1/4"	14	\$90.00
Port Royal-15	0210-15	15-3/4" X 4-5/8"	7	\$68.80
Port Royal-19	0210-19	19-3/8" X 4-7/8"	8	\$70.40
Port Royal-19-Stair	0210-19-S	24" X 4-7/8"	9	\$72.00
Port Royal-26	0210-26	25-3/4" X 5-1/4"	9	\$84.00
Port Royal-30	0210-30	29-7/8" X 5-1/4"	14	\$90.00
Port Royal-30 Stair	0210-30-S	34-3/4" X 5-1/4"	15	\$104.00
Port Royal-Slim	0210-31	28-1/2" X 4-3/8"	10	\$72.00
Port Royal-35	0210-35	34-3/4" X 5-1/4"	15	\$104.00
Royal Greek	0211	23-3/4" X 5-1/4"	12	\$104.00
Royal Greek Stair	0211-S	30-1/2" X 5-1/4"	13	\$120.00
Classic Port Royal	0212	23-5/8" X 4-7/8"	9	\$72.00
Classic Port Royal Stair	0212-S	29-1/2" X 4-7/8"	14	\$90.00
Crown Terrace	0215	25-5/8" X 3"	7	\$48.00
Crown Terrace Stair	0215-S	29-3/4" X 3"	8	\$70.40
Royal Colonial	0219	23-3/4" X 5"	12	\$72.00
Royal Colonial Stair	0219-S	32-1/2" X 5"	15	\$92.40
Royal Porch	0221	23-7/8" X 3-1/8"	6	\$60.00
Royal Victorian	0225	29-5/8" X 3-3/8"	8	\$54.00
Royal Victorian Stair	0225-S	31-5/8" X 3-3/8"	9	\$72.00
Venetian	0230	24-5/8" X 3-3/8"	9	\$64.00
Royal Gothic	0235	23-1/2" X 5-1/4"	12	\$72.00
Royal Gothic Stair	0235-S	29-3/4" X 5-1/4"	14	\$90.00
Ancient Gothic	0236	23-5/8" X 5-3/8"	17	\$72.00
Ancient Gothic Stair	0236-S	30-5/8" X 5-3/8"	19	\$90.00
Historic Colonial	0240	28-5/8" X 3-1/4"	9	\$61.80
Port Helena	0245	27-1/2" X 6-1/2"	21	\$120.00
Port Helena Stair	0245-S	39-1/2" X 6-1/2"	32	\$140.00
Port Helena - 34	0245-34	34" X 7"	27	\$140.00



Baluster Specifications

Regular vs. Stair baluster



Port Royal-24	
Item #	0210
Dimensions	23-1/2" x 5-1/4"
Weight (lbs)	9
Price	\$72.00
4" Sphere	1.6 Per Foot



Port Royal-24 Stair	
Item #	0210-S
Dimensions	29-7/8" x 5-1/4"
Weight (lbs)	14
Price	\$90.00

Port Royal-30	
Item #	0210-30
Dimensions	29-7/8" x 5-1/4"
Weight (lbs)	14
Price	\$90.00
4" Sphere	1.6 Per Foot

Port Royal-30 Stair	
Item #	0210-30-S
Dimensions	34-3/4" x 5-1/4"
Weight (lbs)	16
Price	\$104.00



Port Royal-19	
Item #	0210-19
Dimensions	19-3/8" x 4-7/8"
Weight (lbs)	8
Price	\$70.00
4" Sphere	1.6 Per Foot

Port Royal-19 Stair	
Item #	0210-19-S
Dimensions	24" x 4-7/8"
Weight (lbs)	9
Price	\$72.00



Port Royal-26	
Item #	0210-26
Dimensions	25-3/4" x 5-1/4"
Weight (lbs)	9
Price	\$84.00
4" Sphere	1.6 Per Foot



Port Royal-35	
Item #	0210-35
Dimensions	34-3/4" x 5-1/4"
Weight (lbs)	16
Price	\$104.00
4" Sphere	1.6 Per Foot



Port Royal-15	
Item #	0210-15
Dimensions	15-3/4" x 4-5/8"
Weight (lbs)	5.5
Price	\$68.80
4" Sphere	1.7 Per Foot

Stair balusters are essentially regular balusters with extended plinths to allow for cutting to pitch. Royal Corinthian can cast each stair baluster to pitch which will significantly reduce installation costs (call for pricing). All balusters can be made shorter or taller to achieve height requirements as long as the plinth heights allow for it. Custom balusters or historic replications are our specialty. All weights and dimensions are approximate and similar items will vary slightly in weight and size due to the nature of the product.

Baluster Specifications



Port Royal Slim	
Item #	0210-31
Dimensions	28-1/2" x 4-3/8"
Weight (lbs)	10
Price	\$72.00
4" Sphere	1.84 Per Foot



Classic Port Royal	
Item #	0212
Dimensions	23-5/8" x 4-7/8"
Weight (lbs)	9
Price	\$72.00
4" Sphere	1.8 Per Foot

Classic Port Royal Stair	
Item #	0212-S
Dimensions	29-1/2" x 4-7/8"
Weight (lbs)	14
Price	\$90.00



Royal Greek	
Item #	0211
Dimensions	23-3/4" x 5-1/4"
Weight (lbs)	12
Price	\$104.00
4" Sphere	1.6 Per Foot

Royal Greek Stair	
Item #	0211-S
Dimensions	30-1/2" x 5-1/4"
Weight (lbs)	14
Price	\$120.00



Port Helena	
Item #	0245
Dimensions	27-1/2" x 6-1/2"
Weight (lbs)	18
Price	\$120.00
4" Sphere	1.47 Per Foot

Port Helena Stair	
Item #	0245-S
Dimensions	39-1/2" x 6-1/2"
Weight (lbs)	32
Price	\$140.00

Port Helena-34	
Item #	0245-34
Dimensions	34" x 7"
Weight (lbs)	27
Price	\$140.00



Ancient Gothic	
Item #	0236
Dimensions	23-5/8" x 5-3/8"
Weight (lbs)	14.5
Price	\$72.00
4" Sphere	1.67 Per Foot

Ancient Gothic Stair	
Item #	0236-S
Dimensions	30-5/8" x 5-3/8"
Weight (lbs)	19
Price	\$90.00



Royal Gothic	
Item #	0235
Dimensions	23-1/2" x 5-1/4"
Weight (lbs)	11
Price	\$72.80
4" Sphere	1.83 Per Foot

Royal Gothic Stair	
Item #	0235-S
Dimensions	29-3/4" x 5-1/4"
Weight (lbs)	14
Price	\$90.00

Stair balusters are essentially regular balusters with extended plinths to allow for cutting to pitch. Royal Corinthian can cast each stair baluster to pitch which will significantly reduce installation costs (call for pricing). All balusters can be made shorter or taller to achieve height requirements as long as the plinth heights allow for it. Custom balusters or historic replications are our specialty. All weights and dimensions are approximate and similar items will vary slightly in weight and size due to the nature of the product.

Baluster Specifications



Royal Colonial	
Item #	0219
Dimensions	23-3/4" x 5"
Weight (lbs)	12
Price	\$72.00
4" Sphere	1.62 Per Foot
Royal Colonial Stair	
Item #	0219-S
Dimensions	32-1/2" x 5"
Weight (lbs)	15
Price	\$92.00



Historic Colonial	
Item #	0240
Dimensions	28-5/8" x 3-1/4"
Weight (lbs)	9
Price	\$61.00
4" Sphere	2.06 Per Foot



Royal Monarch	
Item #	0209
Dimensions	26-5/8" x 4-1/2"
Weight (lbs)	8
Price	\$72.00
4" Sphere	1.76 Per Foot
Royal Monarch Stair	
Item #	0209-S
Dimensions	31-7/8" x 4-1/2"
Weight (lbs)	10
Price	\$92.40



Royal Monarch-15	
Item #	0209-15
Dimensions	14-7/8" x 4-1/4"
Weight (lbs)	6
Price	\$70.40
4" Sphere	1.56 Per Foot



Royal Georgian	
Item #	0205
Dimensions	26-1/8" x 3-3/8"
Weight (lbs)	7
Price	\$56.00
4" Sphere	1.78 Per Foot
Royal Georgian Stair*	
Item #	0205-S
Dimensions	29-1/2" x 3-3/8"
Weight (lbs)	8
Price	\$60.00



Royal Georgian-31	
Item #	0205-31
Dimensions	31-1/2" x 3-3/8"
Weight (lbs)	9
Price	\$70.40
4" Sphere	1.71 Per Foot

Stair balusters are essentially regular balusters with extended plinths to allow for cutting to pitch. Royal Corinthian can cast each stair baluster to pitch which will significantly reduce installation costs (call for pricing). All balusters can be made shorter or taller to achieve height requirements as long as the plinth heights allow for it. Custom balusters or historic replications are our specialty. All weights and dimensions are approximate and similar items will vary slightly in weight and size due to the nature of the product.

Baluster Specifications



Royal Victorian	
Item #	0225
Dimensions	29-5/8" x 3-3/8"
Weight (lbs)	6
Price	\$54.00
4" Sphere	1.99 Per Foot
Royal Victorian Stair	
Item #	0225-S
Dimensions	31-5/8" x 3-3/8"
Weight (lbs)	7
Price	\$72.00



Venetian	
Item #	0230
Dimensions	24-5/8" x 3-3/8"
Weight (lbs)	9
Price	\$64.00
4" Sphere	2.23 Per Foot



Crown Terrace	
Item #	0215
Dimensions	25-7/8" x 3"
Weight (lbs)	7
Price	\$48.00
4" Sphere	2.08 Per Foot
Crown Terrace Stair	
Item #	0215-S
Dimensions	29-3/4" x 3"
Weight (lbs)	8
Price	\$70.00

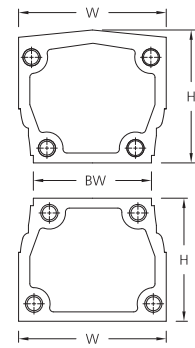


Royal Porch	
Item #	0221
Dimensions	23-7/8" x 3-1/8"
Weight (lbs)	6
Price	\$60.00
4" Sphere	1.93 Per Foot

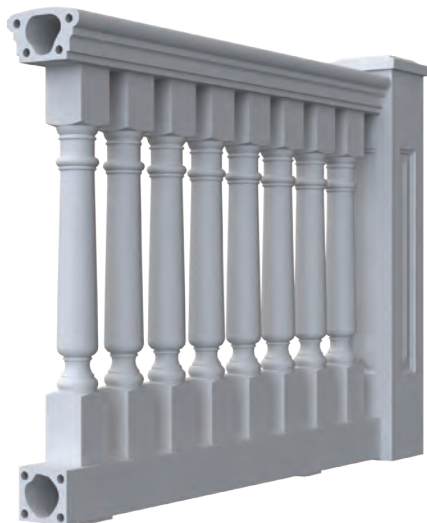


Stair balusters are essentially regular balusters with extended plinths to allow for cutting to pitch. Royal Corinthian can cast each stair baluster to pitch which will significantly reduce installation costs (call for pricing). All balusters can be made shorter or taller to achieve height requirements as long as the plinth heights allow for it. Custom balusters or historic replications are our specialty. All weights and dimensions are approximate and similar items will vary slightly in weight and size due to the nature of the product.

Top & Bottom Rails Price List



0431 - Rail		
	Top	Bottom
Length	1' To 20'	1' To 20'
Typically Used With	NPP9-38 Post w/ PC-1-9 Post Cap & Port Royal, Colonial/Greek, Monarch or Ancient Gothic Baluster	
	(W x H x BW)	(W x H x BW)
Dimensions	7-1/2" x 6-3/4" x 6"	7-1/2" x 6-1/4" x 6"
Weight	15.5 lbs/ft	15.5 lbs/ft
Price-Flat	\$46.84 ft	\$46.84 ft
Price-Radius*	\$96.62 ft	\$96.62 ft
Price-Radius Stair*	\$187.40 ft	\$187.40 ft

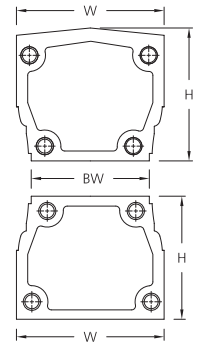


0441 - Rail		
	Top	Bottom
Length	1' To 16'	1' To 16'
Typically Used With	NPP7-38 Post w/ PC-1-7 Post Cap & Royal Victorian, Crown Terrace, Historic Colonial or Royal Georgian Baluster	
	(W x H x BW)	(W x H x BW)
Dimensions	6-5/8" x 4" x 4-1/2"	4-1/2" x 4" x 4-1/2"
Weight	7 lbs/ft	8 lbs/ft
Price-Flat	\$43.44 ft	\$39.68 ft
Price-Radius*	\$89.58 ft	\$81.86 ft
Price-Radius Stair*	\$119.18 ft	\$163.72 ft

All rails can be used interchangeably.

* Radius rails tighter than 6' radius (call for pricing). Some rails can span up to 20'; however, Royal Corinthian recommends splitting up large runs with posts or columns. It is recommended that "BW" of top and bottom rails be at least 1/4" wider than the width of the baluster.

Top & Bottom Rails Price List



0411 - Rail		
	Top	Bottom
Length	1' To 12'	1' To 12'
Typically Used With	NPP7-38 Post w/ PC-1-7 Post Cap & Royal Victorian, Crown Terrace or Historic Colonial Baluster	
	(W x H x BW)	(W x H x BW)
Dimensions	5-3/4" x 3-1/2" x 4"	5-3/4" x 3-3/8" x 4"
Weight	9 lbs/ft	12 lbs/ft
Price-Flat	\$39.68 ft	\$39.68 ft
Price-Radius*	\$81.86 ft	\$81.86 ft
Price-Radius Stair*	\$154.12 ft	\$154.12 ft

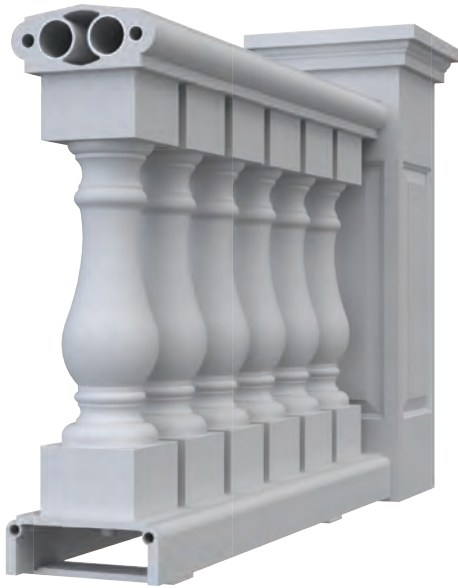
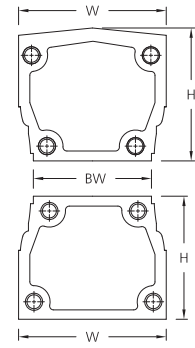


0421 - Rail		
	Top	Bottom
Length	1' To 16'	1' To 16'
Typically Used With	NP7-38 Post w/ PC-1-7 Post Cap & Royal Victorian, Crown Terrace or Historic Colonial Baluster	
	(W x H x BW)	(W x H x BW)
Dimensions	4-1/4" x 3-7/16" x 3-1/2"	4-1/4" x 2-11/16" x 3-1/2"
Weight	7 lbs/ft	8 lbs/ft
Price-Flat	\$32.44 ft	\$32.44 ft
Price-Radius*	\$66.92 ft	\$66.92 ft
Price-Radius Stair*	\$133.82 ft	\$133.82 ft

All rails can be used interchangeably.

* Radius rails tighter than 6' radius (call for pricing). Some rails can span up to 20'; however, Royal Corinthian recommends splitting up large runs with posts or columns. It is recommended that "BW" of top and bottom rails be at least 1/4" wider than the width of the baluster.

Top & Bottom Rails Price List



0451 - Rail		
	Top	Bottom
Length	1' To 20'	1' To 20'
Typically Used With	NPP12-38 Post w/ PC-2-12 Post Cap & Port Helena, Ancient Gothic or Greek Baluster	
	(W x H x BW)	(W x H x BW)
Dimensions	10" x 4" x 8"	10-1/2" x 4" x 8"
Weight	21.5 lbs/ft	11 lbs/ft
Price-Flat	\$72.82 ft	\$72.82 ft
Price-Radius*	\$150.22 ft	\$150.22 ft
Price-Radius Stair*	\$300.44 ft	\$300.44 ft

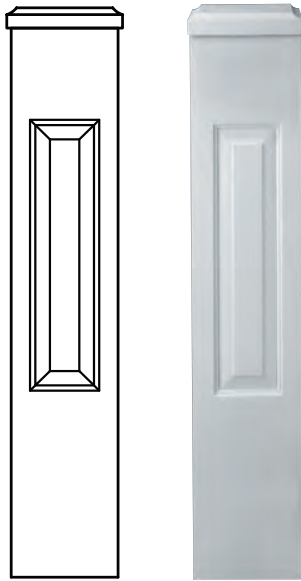


0461 - Rail		
	Top	Bottom
Length	1' To 20'	1' To 20'
Typically Used With	NPP9-38 Post w/ PC-1-9 Post Cap & Royal Victorian, Crown Terrace, Historic Colonial or Royal Georgian Baluster	
	(W x H x BW)	(W x H x BW)
Dimensions	6" x 5-1/4" x 5-1/4"	6" x 5-1/4" x 5-1/4"
Weight	10.5 lbs/ft	10.5 lbs/ft
Price-Flat	\$41.93 ft	\$41.93 ft
Price-Radius*	\$84.68 ft	\$84.68 ft
Price-Radius Stair*	\$172.79 ft	\$172.79 ft

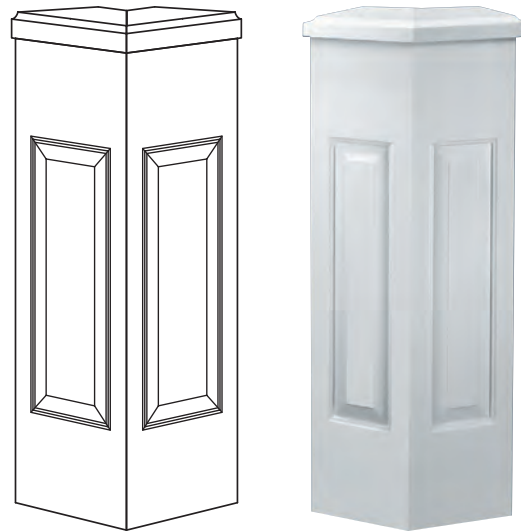
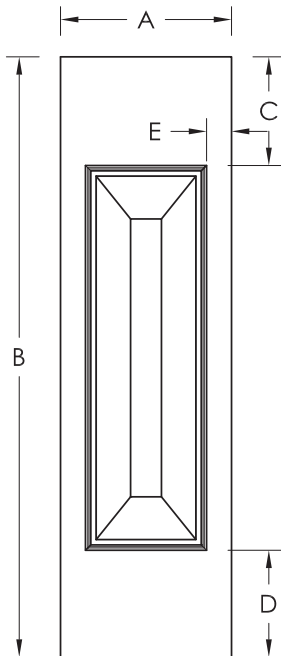
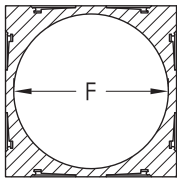
All rails can be used interchangeably.

* Radius rails tighter than 6' radius (call for pricing). Some rails can span up to 20'; however, Royal Corinthian recommends splitting up large runs with posts or columns. It is recommended that "BW" of top and bottom rails be at least 1/4" wider than the width of the baluster.

Post Price List & Specifications



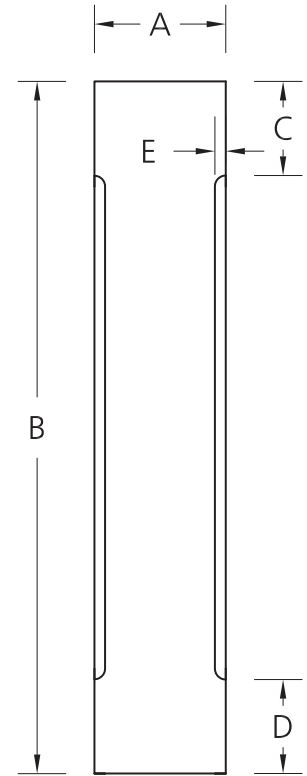
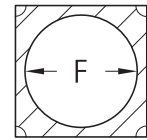
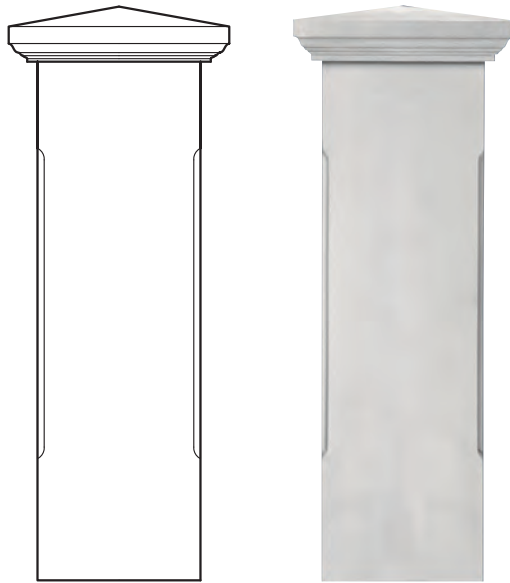
NPP Style Post								
Name	Width	Height	Top Clearance	Bottom Clearance	Side Clearance	Inside Diameter	Weight	List Price
	(A)	(B)	(C)	(D)	(E)	(F)		
NPP7-38	7"	37-5/8"	7-1/2"	7-1/2"	1-5/8"	5-1/2"	58	\$177.15
NPP7-44	7"	44"	7-1/2"	13-7/8"	1-5/8"	5-1/2"	63	\$197.60
NPP7-46	7"	45-1/2"	7-1/2"	15-3/8"	1-5/8"	5-1/2"	65	\$216.00
NPP9-30	9"	30-1/4"	7-5/8"	8-5/8"	1-7/8"	7-3/4"	62	\$126.34
NPP9-38	9"	37-1/2"	7-1/2"	7-1/2"	1-3/4"	7-1/2"	78	\$228.17
NPP9-44	9"	44"	7-5/8"	13-3/4"	1-5/8"	7-1/2"	83	\$254.50
NPP9-46	9"	45-3/4"	7-5/8"	15-5/8"	1-5/8"	7-1/2"	97	\$277.44
NPP12-38	11-7/8"	37-1/2"	7-3/4"	7-3/4"	1-5/8"	10-3/8"	130	\$304.20
NPP12-44	11-7/8"	44"	7-1/2"	14-1/2"	1-1/2"	10-3/8"	144	\$339.30
NPP12-46	11-7/8"	45-5/8"	7-1/2"	16-1/8"	1-1/2"	10-3/8"	152	\$368.11
NPP14-38	13-7/8"	37-1/2"	7-1/2"	7-1/2"	1-3/4"	12-1/8"	170	\$395.98
NPP18-38	17-7/8"	37-1/2"	7-1/2"	7-1/2"	1-3/4"	16"	225	\$655.07
NPP18-44	17-7/8"	43-1/4"	7-1/2"	7-1/2"	1-5/8"	16-1/8"	236	\$770.45
NPP24-38	23-7/8"	37-1/2"	7-1/2"	7-1/2"	3-1/16"	22"	370	\$912.61
NPP26-38	25-7/8"	37-1/2"	7-1/2"	7-1/2"	3-1/16"	23-1/4"	440	\$1,216.82



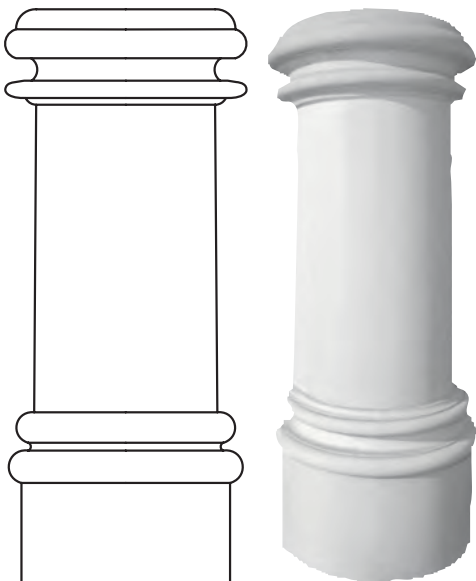
NPP 45° Style Post								
Name	Width	Height	Top Clearance	Bottom Clearance	Side Clearance	Inside Diameter	Weight	List Price
	(A)	(B)	(C)	(D)	(E)	(F)		
NPP9-38D	8-3/4"	37-5/8"	7-1/2"	7-3/4"	1-3/4"	7"	176	\$456.00
NPP9-46D	8-7/8"	45-1/2"	7-1/2"	15-1/2"	1-5/8"	6-3/4"	206	\$552.00
NPP12-38D	11-3/4"	37-3/4"	7-3/4"	8-1/2"	1-5/8"	10"	320	\$604.80

Use 38" posts for 36" system heights, 44" posts for 42" system heights, and 46" posts for the bottom of stairs. With decorative balustrades or system heights other than 36" and 42", please indicate post paneling (corner, thru, end) on purchase order (4 panel posts are provided unless otherwise noted). Most of our systems are made to work with all 4 sides paneled except for the top and bottom of stairs.

Post Price List & Specifications



NP Style Post								
Name	Width	Height	Top Clearance	Bottom Clearance	Side Clearance	Inside Diameter	Weight	List Price
	(A)	(B)	(C)	(D)	(E)	(F)		
NP5	4-7/8"	37-1/2"	6"	8"	1/2"	4"	28	\$128.98
NP7	6-7/8"	39-3/4"	6-1/4"	6-1/4"	1/2"	5-3/4"	58	\$136.27
NP9	8-7/8"	37-5/8"	6-1/2"	8-1/2"	1/2"	7-3/4"	78	\$175.52
NP12	11-7/8"	38-1/8"	6-1/2"	9-1/4"	1/2"	10-1/2"	140	\$234.00



NP Round Style Post			
Name	Dimensions	Weight (lbs)	Price
NPR6	6" x 38" (up to 46")	45-53	call in
NPR8	8" x 38" (up to 46")	80-85	call in
NPR10	10" x 38" (up to 46")	105-110	call in
NPR12	12" x 38" (up to 46")	150-155	call in



Use 38" posts for 36" system heights, 44" posts for 42" system heights, and 46" posts for the bottom of stairs. With decorative balustrades or system heights other than 36" and 42", please indicate post paneling (corner, thru, end) on purchase order (4 panel posts are provided unless otherwise noted). Most of our systems are made to work with all 4 sides paneled except for the top and bottom of stairs.

Post Cap Price List

Caps for Square Newel Posts PC-1 (Flat Top)

Item Number	Measurements (L x W x H)	Weight (lbs.)	List Price
PC-1-5	5-3/8" x 5-3/8" x 1-9/16"	3	\$36.00
PC-1-7	7-3/4" x 7-3/4" x 1-1/2"	5	\$43.20
PC-1-9	10" x 10" x 1-3/4"	6	\$54.00
PC-1-12	13" x 13" x 2"	18	\$68.40
PC-1-14	16" x 16" x 3-1/4"	21	\$88.70
PC-1-18	20" x 20" x 3"	70	\$205.20
PC-1-24	26" x 26" x 4"	185	\$342.00
PC-1-26	28" x 28" x 4"	200	\$409.44



Caps for Square Newel Posts PC-2 (Peaked Top on Tapered Levels)

Item Number	Measurements (L x W x H)	Weight (lbs.)	List Price
PC-2-9	12" x 12" x 3"	40	\$138.72
PC-2-12	15-3/4" x 15-3/4" x 3"	58	\$158.26
PC-2-18	22-3/4" x 22-3/4" x 5-5/8"	180	\$317.56
PC-2-24	29-7/16" x 29-7/16" x 7-1/4"	315	\$433.70
PC-2-26	31-3/4" x 31-3/4" x 7-13/16"	420	\$576.62



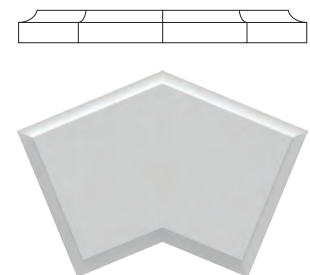
Caps for Square Newel Posts PC-4 (Peaked Top)

Item Number	Measurements (L x W x H)	Weight (lbs.)	List Price
PC-4-9	10" x 10" x 4"	12	\$80.40
PC-4-12	13" x 13" x 5"	20	\$90.00



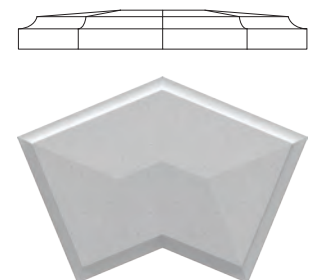
Caps for 45° Square Newel Posts PC-1-D (Flat Top)

Item Number	Measurements (L x W x H)	Weight (lbs.)	List Price
PC-1-9D	10" x 10" x 1-9/16"	15	\$108.00
PC-1-12D	13" x 13" x 1-9/16"	30	\$139.82



Caps for 45° Square Newel Posts PC-4-D (Peaked Top)

Item Number	Measurements (L x W x H)	Weight (lbs.)	List Price
PC-4-9D	9-1/4" x 9-1/4" x 3"	15	\$160.80



The last digit in the post cap item number typically corresponds with the width of the post used. All peaked post caps can be ordered with flat tops for style purposes or to accompany finials or support columns on top.

Finials & Hardware Price List

Ball			
Name	Dimensions (W x H)	Weight (lbs.)	Price
BF3.5	3-3/8" x 3-1/4"	2	\$47.10
BF5.5	5-1/2" x 5-5/16"	4	\$94.20
BF7.5	7-3/4" x 7-1/2"	7	\$117.75
BF10.75	10-1/2" x 10-3/8"	14	\$235.50



BALL

Urn			
Name	Dimensions (W x H)	Weight (Lbs.)	Price
BF2-12	6 -1/8" x 11-7/8"	10	\$130.00
BF2-27	9 -3/8" x 27"	80	\$675.56



URN

Artichoke			
Name	Dimensions (W x H x BW)	Weight (Lbs.)	Price
BF2-13	6-1/8" x 10-3/8" x 5"	13	\$275.00



ARTICHOKE

Brackets			
Name	Description	Weight (Lbs.)	Price
RB411	Connector pins used with all rails	< 1	\$4.00
RB431	Brackets used with 0431 radius rails	2	\$24.00

Drainage Spacers			
Name	Dimensions (L x W x H)	Weight (Lbs.)	Price
RS-1	4" x 2" x 1/2"	< 1	\$4.00
RS-2	4" x 2" x 1"	< 1	\$8.06
RS-3	4" x 4" x 4"	3.5	\$21.62
RS-4*	10-1/2" x 4" x 1"	4	\$34.74
RS-5*	10-1/2" x 4" x 3"	6	\$35.10

* To be used with 0451 Rail

Mailbox Stand			
Name	Dimensions	Weight (Lbs.)	Price
MB-1	62" Height 22" Plate 12" Column	165	\$1,578.00

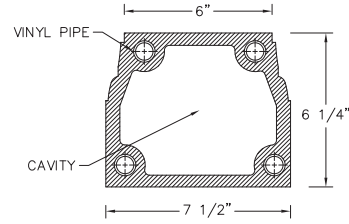
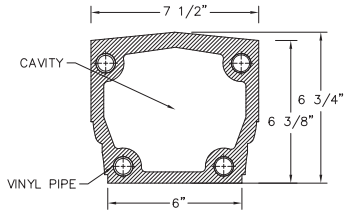
Not included with MB-1: mailbox and ball



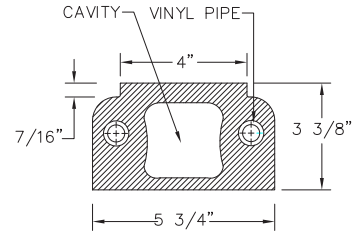
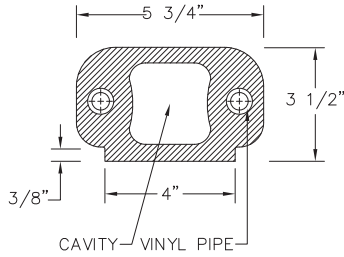
MAILBOX

Rail Specifications

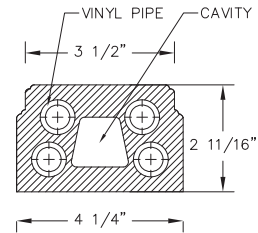
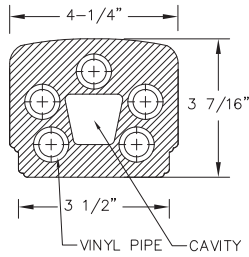
0431-RAIL



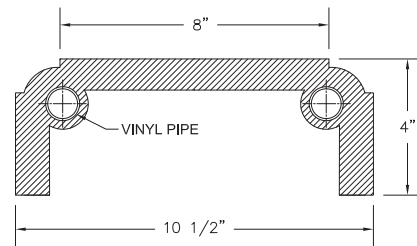
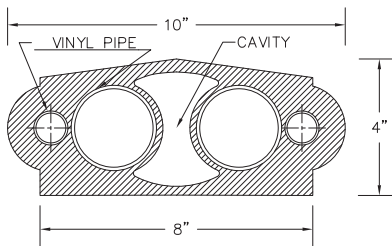
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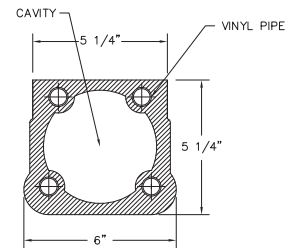
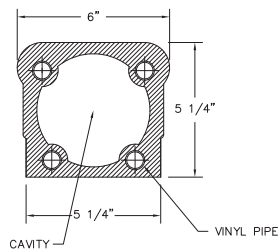
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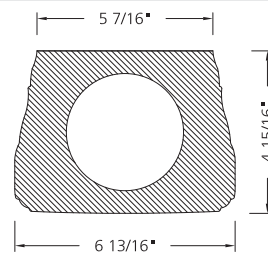
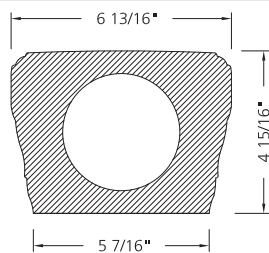
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0461-RAIL



0471-RAIL

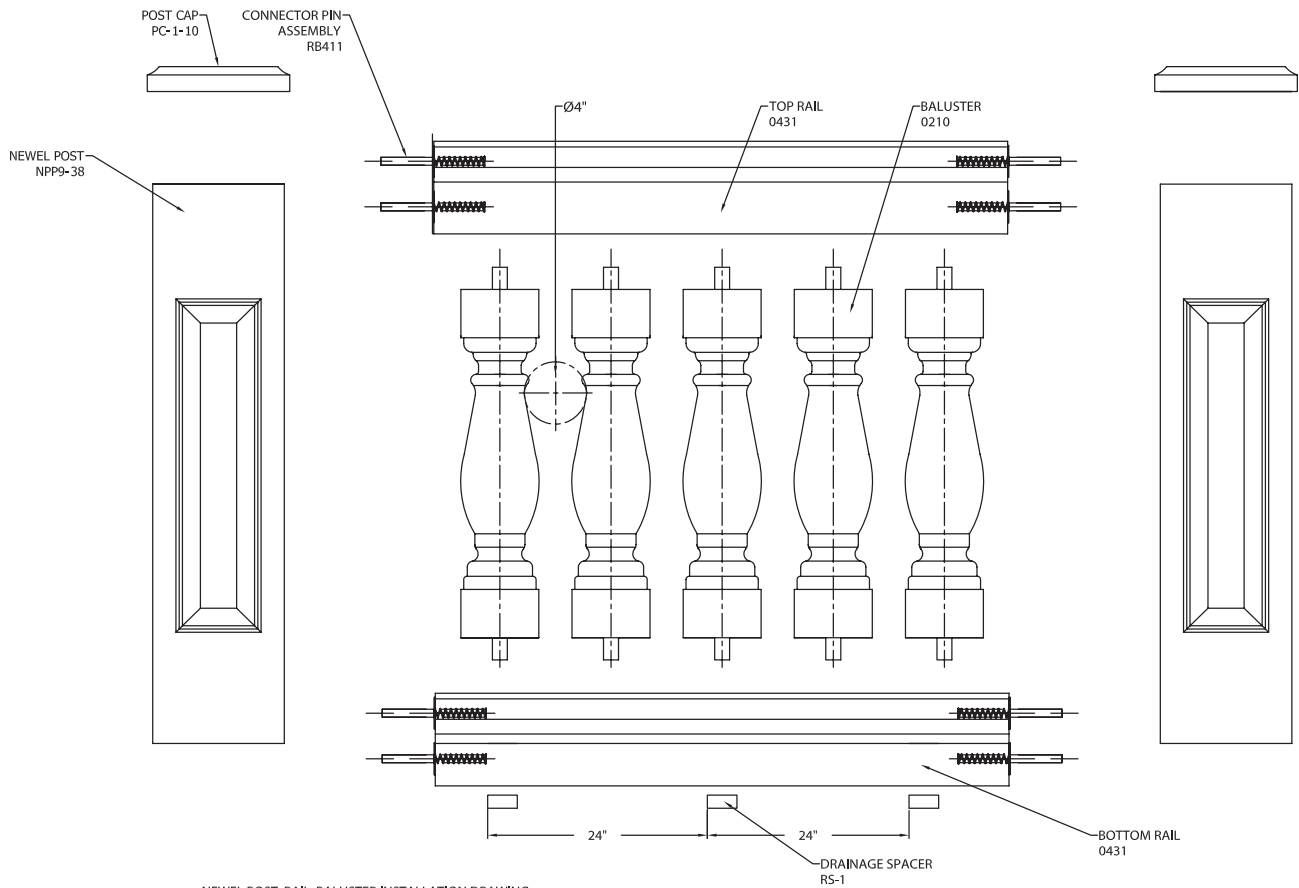


Balustrade Installation Instructions

Tools & Materials Needed for Installation

Pencil	Sand Paper (50 grit)
Circular saw with Masonry Blade	Wooden Shims
Heavy duty carbide-toothed hole saw 7/8" and 1 1 / 8"	Hammer
Segmented rim diamond saw blade (8")	Level
Diamond disc for grinder (4")	Angle square/angle measurement tool
Reciprocating saw	Hammer drill (1/2" chuck)
Utility knife	Grinder (4")
Caulk *	Tape measure 25-30 ft.
Caulk gun	Construction adhesive
Rags	

* Sonneborn Sonolastic Np-1 Caulk can be used for RoyalStone™ (colors come close to those offered by Royal Corinthian)



Balustrade Installation

Step 1: Post Installation

Required tools: screw driver, pencil, 3/4 dia concrete drill bit for installation over concrete.

Place newel post in position on flooring as specified on architectural plans and as adjusted by field measurements. Center newel post accordingly. Mark flooring around edges of newel post. Put newel post aside until later.

A,- Installation over wood flooring:

(see figure 1A)

-Fasten iron flange for 1" pipe, with appropriate wood screws, in the center of the area marked for the newel post. Thread 1" steel pipe into the iron flange. Note: pipe length should be approximately 1/2 height of the newel post.

B,- Installation over concrete flooring:

(see figure 1B)

-Drill (2) 3/4 dia holes x 3" deep in concrete, centered 4" apart, in the area marked for the newel post. Insert reinforcement rod. Note: rod length is approximately 1/2 height of the newel post.

Align newel post as marked on deck. Pour light weight concrete to a level approximately ~1/8 the height of the newel post. Do not place newel caps on posts until hand rails are installed.

Tip: If there is a concern of the alignment or accuracy of the entire assembly, pour light weight concrete between steps 8 and 9. This will enable a final adjustment & alignment.

Figure 1A

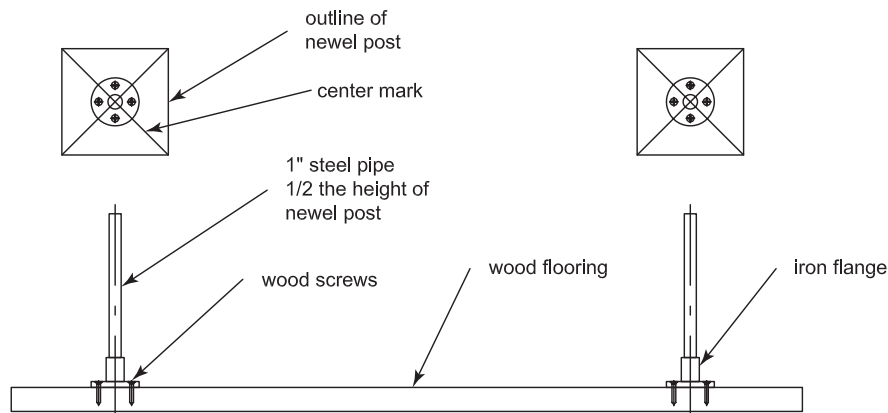
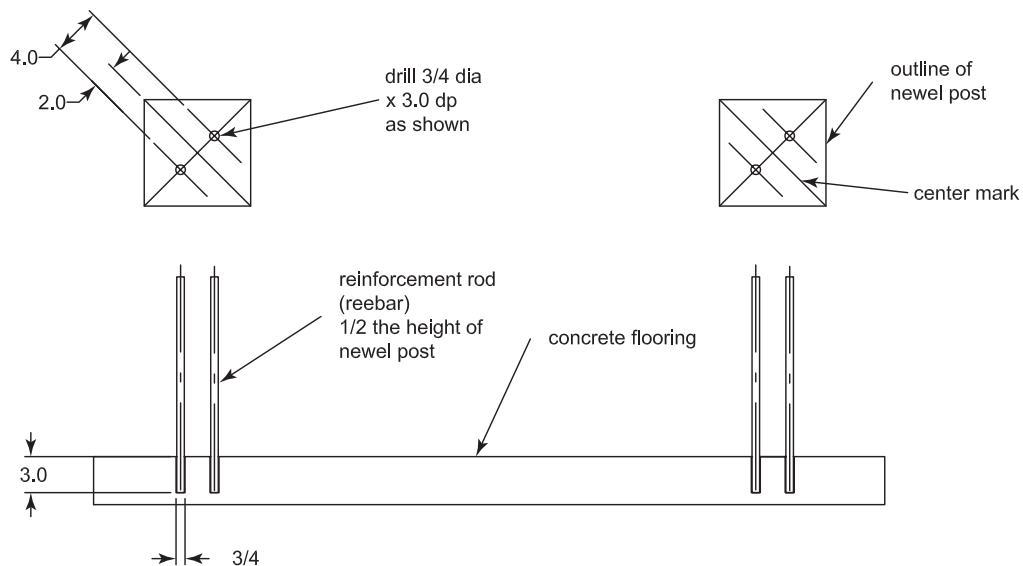


Figure 1B



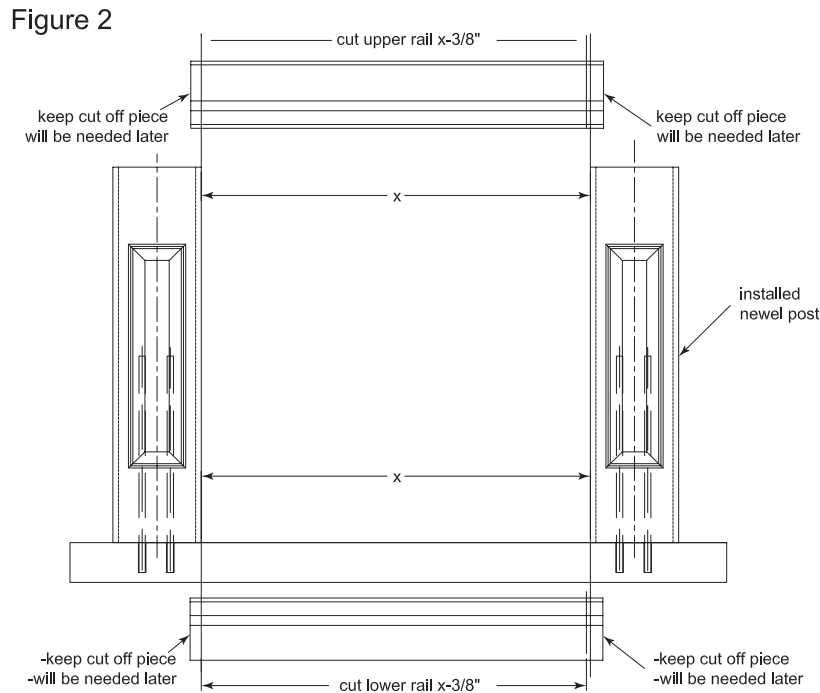
Balustrade Installation

Step 2: Bottom and top rail preparation

Required tools: circular saw, and carbide or diamond saw blade.

Use carbide saw blade or diamond disc. Cut rails 3/8" shorter than measured distance between newel posts.

(See figure 2)



Step 3: Drilling of holes in rails

Tools required: drill, 1 1/8" dia with 1/4 diameter pilot hole saw, pencil

Note: Check baluster spacing with blueprint and municipal code before proceeding.

-6" (sphere) spacing:

(see figure 3)

Mark the first hole on each side, 4" to 6" from each end; divide the remaining space between the 2 end holes equally.

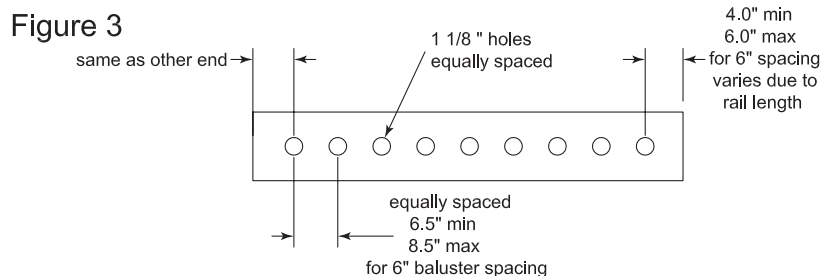
The center distances must be between 6.5" and 8.5" for each baluster. (baluster# 0210, 0210-1, 0214, 0209 and 0219)

Space between baluster centers may not exceed 7.5" for baluster# 0225.

-4" (sphere) spacing: Mark the first hole on each side, 4" to 6" from each end; divide the remaining space between the 2 end holes equally.

The center distances may not exceed 6.5".

Tip: During hole drilling rotate drill few degrees to ease cut out removal from tool.



Balustrade Installation

Step 4: Newel post holes for rail connection

Required tools: drill, 5/8" dia carbide drill bit, level and pencil.

Install rail spacers at 2 ft. spacing if necessary. Position lower rail between newel posts. Install 2 balusters into pre drilled side holes. Level bottom rail, install, position and level upper rail. Scribe rail outlines on newel post. (at all 4 rail ends) Remove rails & balusters.

(see figure 4A).

Using rail end cut off pieces, match scribed outlines and transfer holes into newel posts, using 5/8" diameter carbide drill bit.

Note: It is always the best practice drill 2 holes diagonal to each other

(see figure 4B).

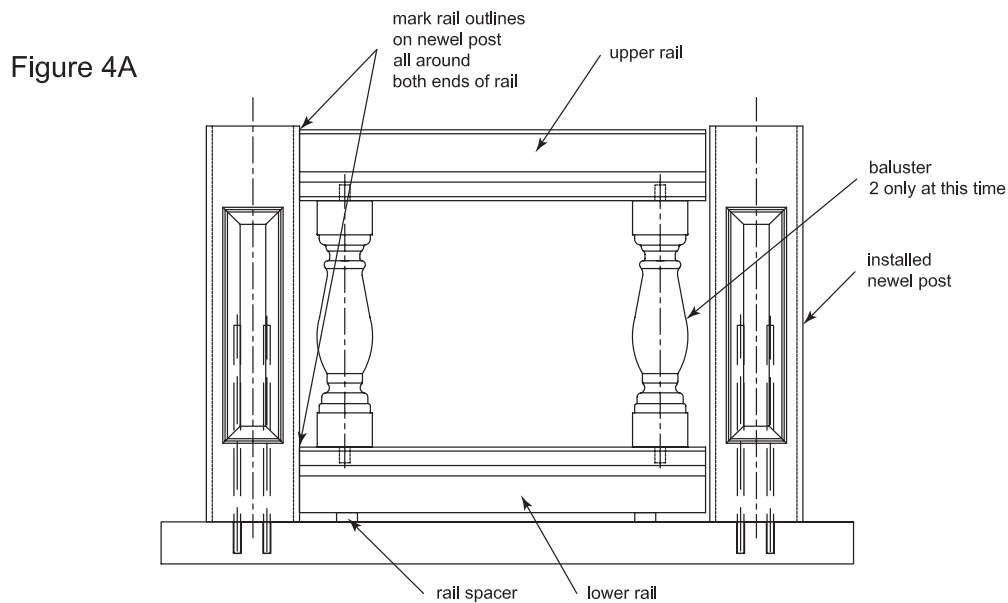


Figure 4A

Figure 4B

lower rail

upper rail



best practice:
transfer
diagonal holes
using 5/8" dia
carbide drill bit



best practice:
transfer
diagonal holes
using 5/8" dia
carbide drill bit

Step 5: Spring loaded pin installation

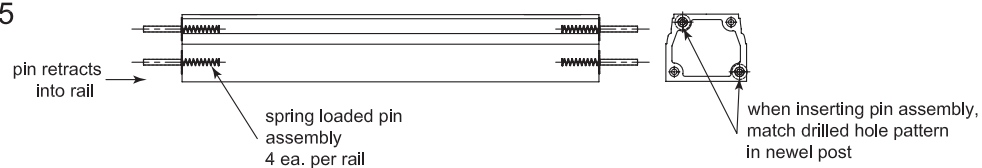
Inspect pvc pipe ends. Clean ends, if necessary, using a round file. Do not force pin into pipe!

Insert steel pin into open end of spring. Insert this spring loaded pin assembly into 2 of the small holes

matching the holes drilled into the newel posts. If bracket becomes jammed, slowly turn pin clockwise and gently push

(see figure 5).

Figure 5



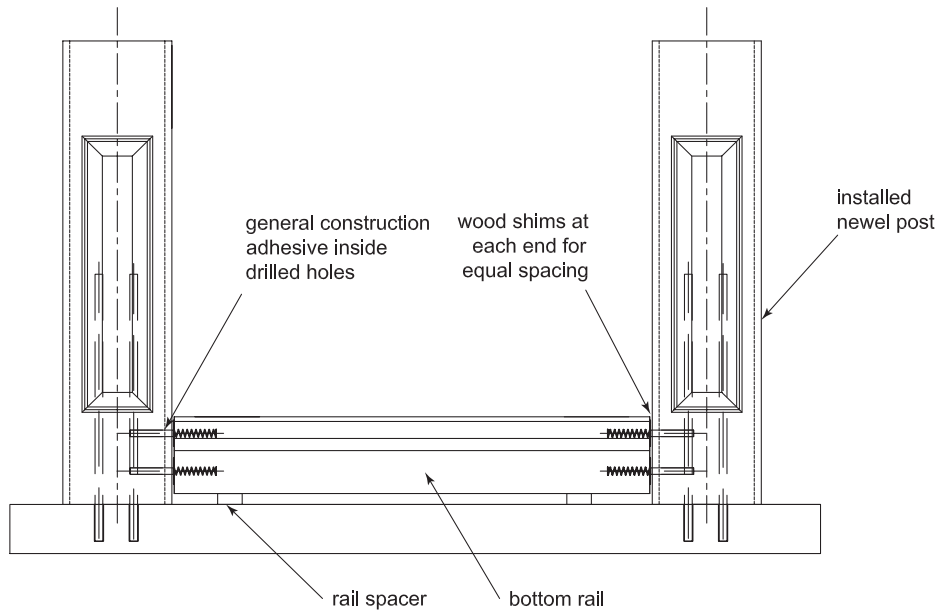
Balustrade Installation

Step 6: Installation of bottom rail

Accessories required: general construction adhesive, wood shims

Place rail spacers, if used, at approximately 2 ft. spacing from each other. Apply glue. Under 4 ft. post distance, use at least 2 spacers. Place general construction adhesive inside holes at bottom of newel post prior to placement and installation of bottom rail. Place rail to have 3/16 gap at each end. Use wooden shims to lock rail into position until glue hardens

Figure 6



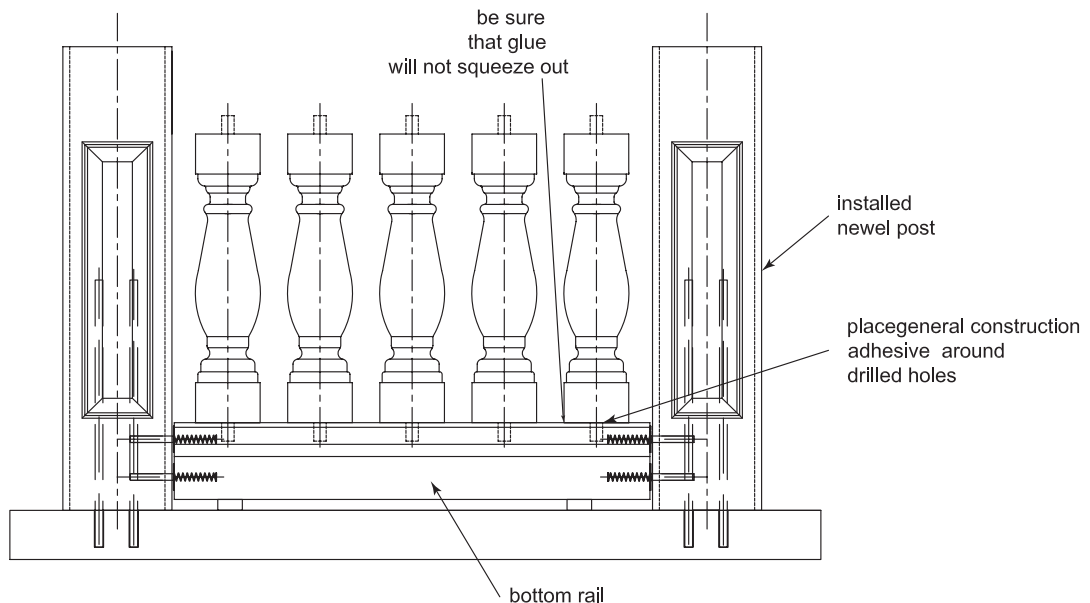
Step 7: Positioning the balusters on the bottom rail

Accessories required: general construction adhesive

Place general construction adhesive 1/2" around pre drilled holes of bottom rail. Insert and carefully position balusters into holes.

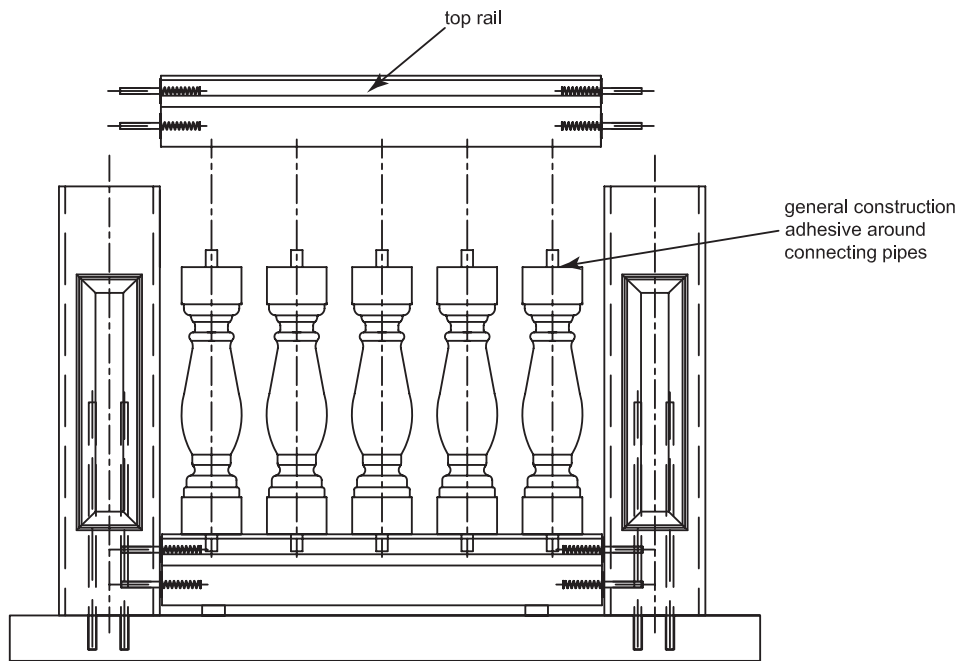
Note: Be sure glue does not squeeze out when positioning the balusters (see figure 7).

Figure 7



Balustrade Installation

Figure 8



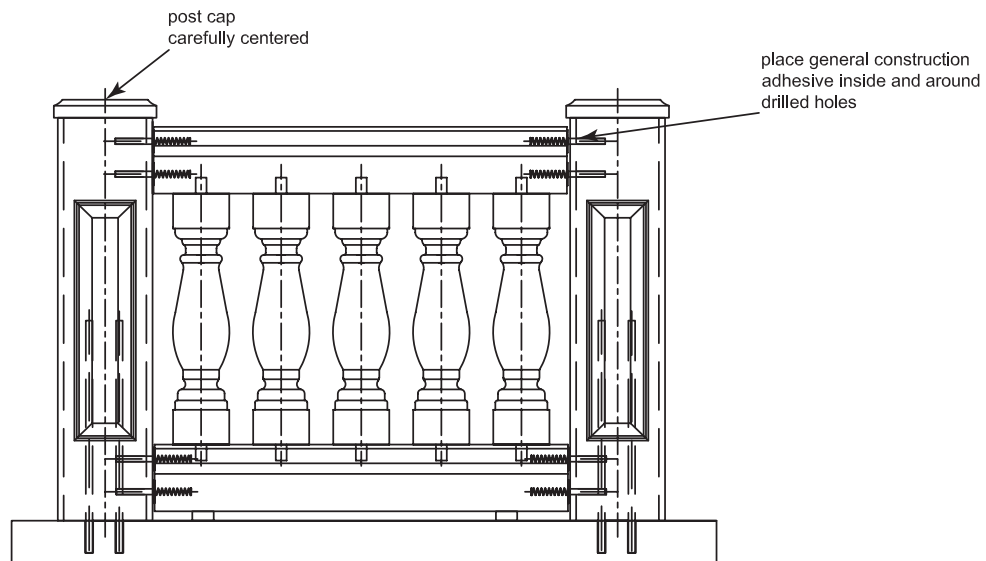
Step 9: Installation of newel post caps

Accessories required: general construction adhesive

Use general construction adhesive to glue post caps on newel posts. Center cap over newel post.

(see figure 9)

Figure 9



Balustrade Installation

Step 10: Cleaning

Accessories required: soap, brush, and fine grain sand paper.
Clean balustrade system only if needed. Use soap and brush.
Gently use fine grain sand paper if necessary.

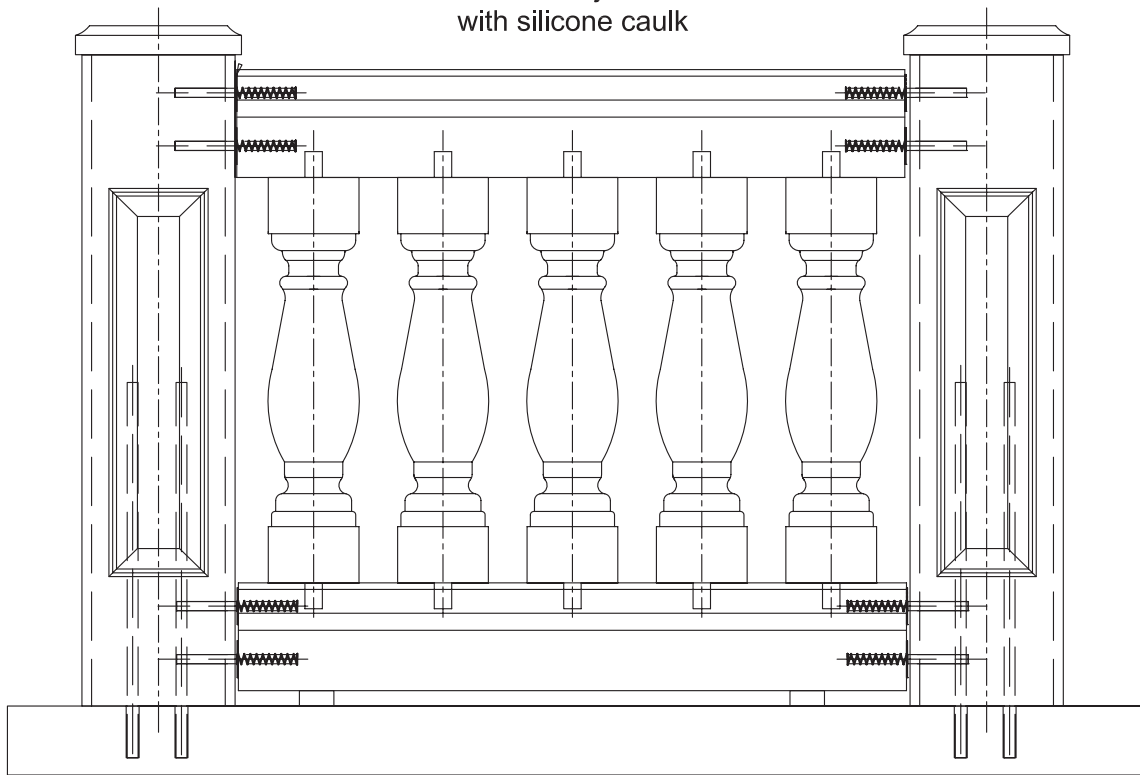
Accessories required: matching color silicone caulk.

Important: Do not let any water to stay inside anywhere in the balustrade system, especially before freezing temperature. If installation is not complete before end of day, cover system with tarp to prevent rain and moisture infiltration. Cover all joints, with silicone caulk, in the color to match the balustrade.

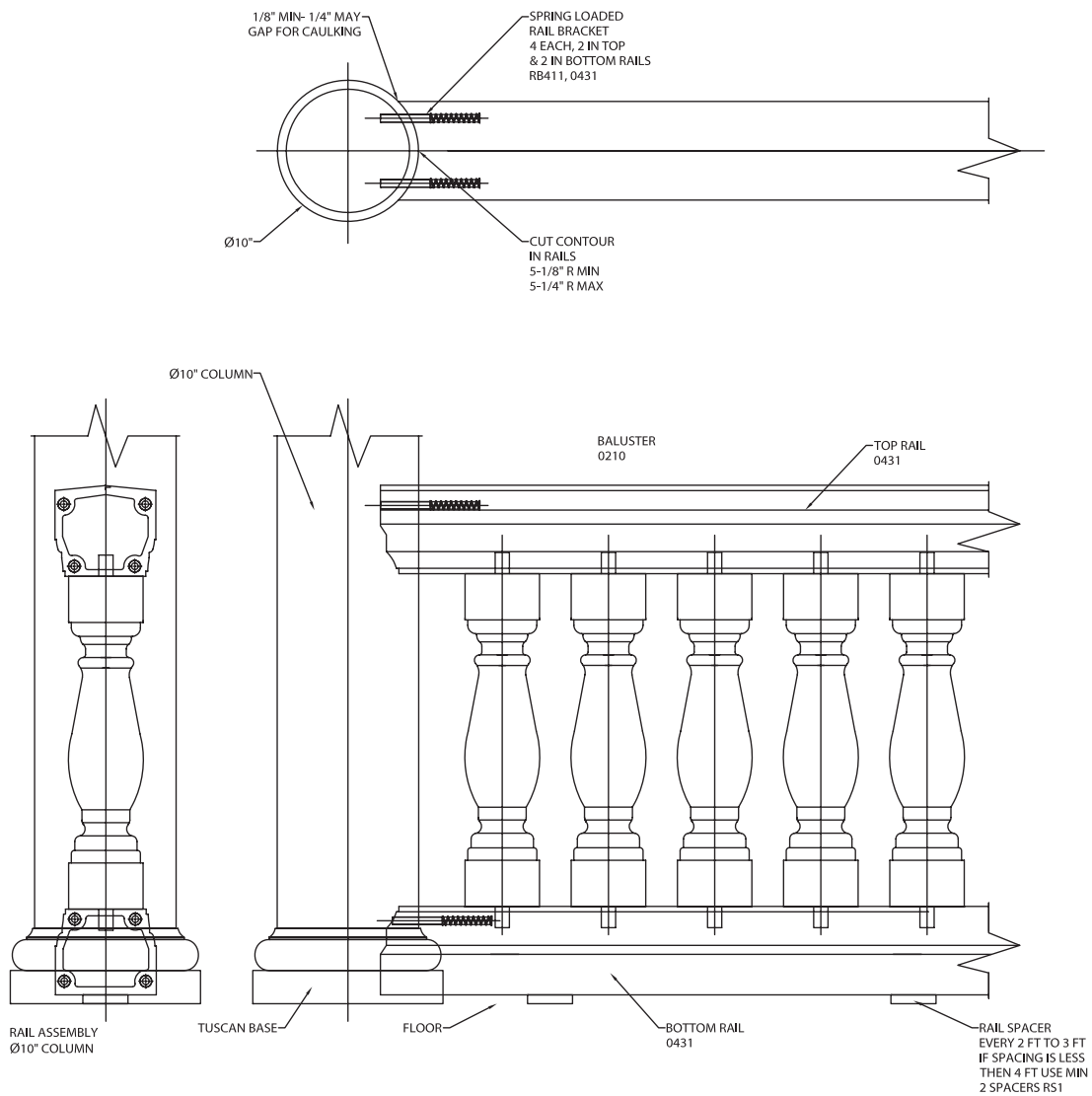
(see figure 10)

Figure 10

caulk all joints
with silicone caulk



Balustrade Installation



Installation based on 10" column, 0210 balusters, and 0431 rails.
Alternative combination may require adjustments to installation procedure.



Product Maintenance

Cleaning Instructions for RoyalStone columns & balustrades

- 1- The product may be washed simply with soap and water. Abrasive or harsh chemicals are NOT recommended
- 2- For stains (such as oil stains), do NOT attempt to use bleach or any cleaning supplies that contain bleach
- 3- Another option for stain removal is sanding the spoiled/damaged area, using only the finest and most gentle sanding devices (600 grit sand paper).
- 4- RoyalStone columns and balustrades can also be power washed, make sure that caulking is intact after cleaning

Resin Patch Kit Instructions

- 1- The surface must be clean and free from dust and dirt
- 2- The temperature should be above 50° F. (if below, use a heat gun to keep mixture warm)
- 3- Mix resin and catalyst together (use a ratio of one table spoon of catalyst per 10 lbs of resin)
- 4- Curing time is 8-10 minutes after parts have been mixed
- 5- Apply mixture to both parts of the product and connect them together
- 6- If working on columns put more mixture on the inside of the column for better connection
- 7- After curing, let the area cool off
- 8- Sand were needed with 60 grit sandpaper
- 9- If material is Stonetext™ (textured) the piece can be sandblasted

