

Installation Instructions

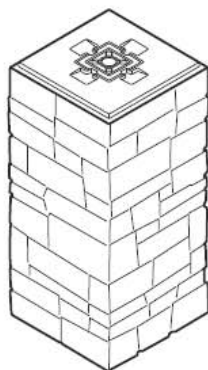
BellaStone Architectural Columns



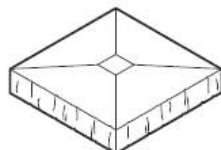
ARCHITECTURAL COLUMNS

BellaStone Architectural Columns by Crane have the look of genuine hand-chiseled natural stone columns. They look and feel like real stone because they are made with real stone. BellaStone Architectural Columns are remarkably versatile with a wide variety of size and style options sure to suite your project needs.

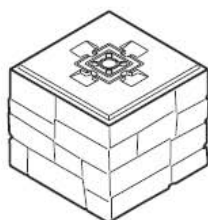
Components



38" Column
available in *Tuscan, Torino or Bordeaux* colors
(Dim: 20"x 20"x 38" or 14"x 14"x 38")



Cap-Traditional
available in *Keystone and Cobblestone* colors



16" Column
available in *Tuscan, Torino or Bordeaux* colors
(Dim: 20"x 20"x 16" or 14"x 14"x 16")

Tools and Supplies

You will need the following tools to install BellaStone Columns.

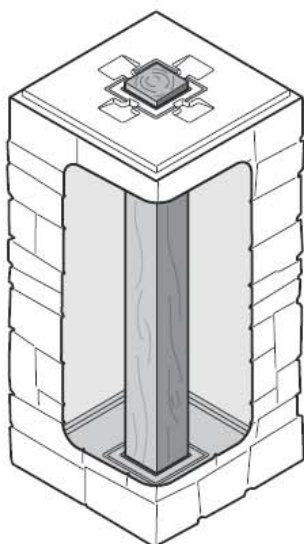
- Rotary cutting tool or jig saw
- Drill
- Circular saw
- 3/16" drill bit

You will also need the following supplies.

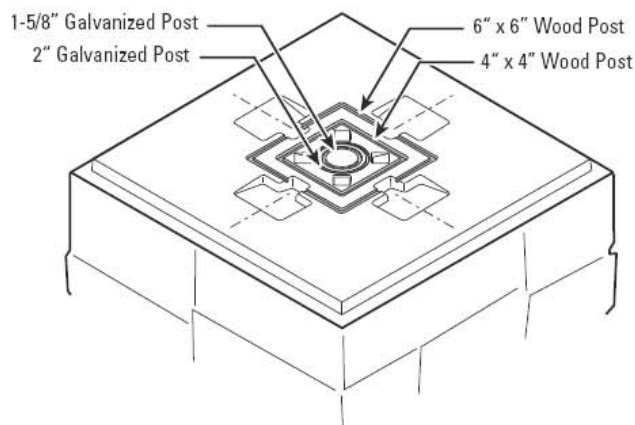
- #8 by 1-1/2" exterior screws
- #8 by 2-1/2" exterior screws
- BellaStone Mortar Sealant *
- BellaStone Aggregate * (included with column)
- Disposable paint brush *
- Heavy duty construction adhesive (PL400-Tightbond Heavy duty construction adhesive)

* required only if stacking or seaming columns

Preparing Column



The BellaStone Architectural Column is not a structural element, but rather is designed to enhance the look of structural posts. The column is designed to fit over common wood and metal post sizes.



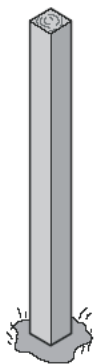
The BellaStone Architectural Column comes with pre-molded cutouts to accommodate the following posts:

- 6"x 6" Wood Post
- 4"x 4" Wood Post
- 2" Galvanized Pole
- 1-5/8" Galvanized Pole

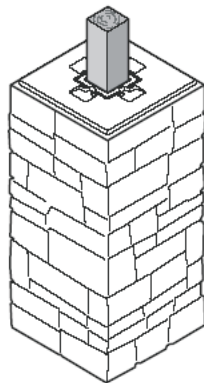
Remove the appropriate cutout on the top and bottom of the column using a rotary tool or jigsaw.

Installing Columns

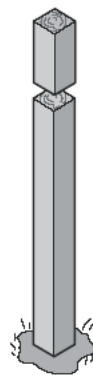
! Consult all applicable building codes before installing posts or columns.



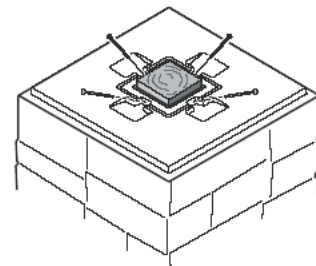
- 1** Make sure post is securely installed, and is plumb. Post should be at least a few inches taller than the column that you are installing.



- 2** After removing the appropriate cutouts, position column over post. Make a mark on the post flush to 1/4" taller than the top of the column. Remove the column.



- 3** Trim the post to the height marked in the previous step. Re-position the column over the post.



- 4** Secure the column with #8 x 2-1/2" screws through the provided recesses and into the post. If you are using a metal post, you will need to pre-drill the post before driving the appropriate screws.

Fencing Application

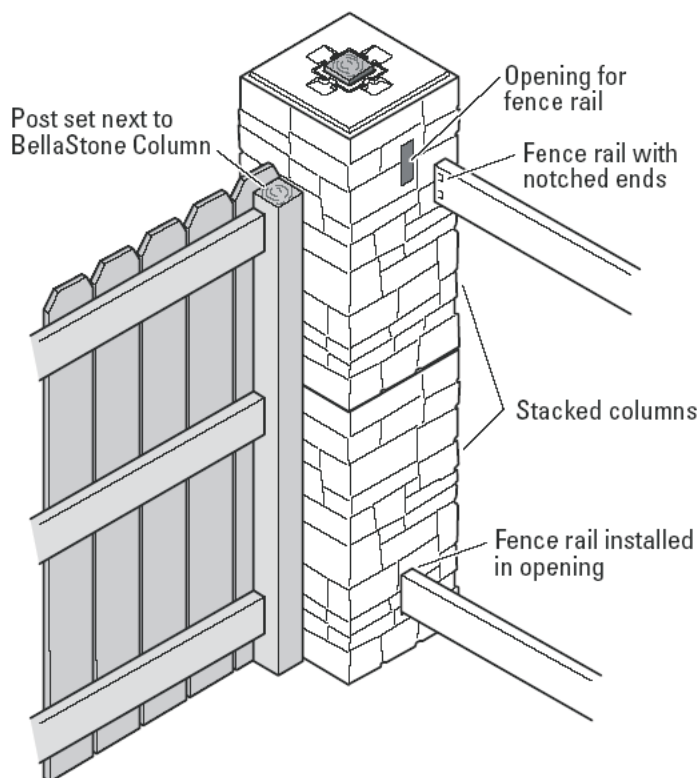
BellaStone Architectural Columns can be used with most fencing products. Use the general instructions below for using the BellaStone Column as a fence post. Be sure to consult the instructions for the fencing system you are using for more information. There are several ways to incorporate BellaStone Columns into your fencing installation, two options are shown below.

Installing wood fencing products

- Install your posts and columns as outlined in the previous section. Columns can be stacked to achieve a variety of heights.

NOTE: When installed, the caps cover the top 2" of the column. Take this into account when determining column heights.

- Install a second post next to the BellaStone Column.
- Using the second post as an attachment point, install fencing as outlined in the manufacturer's instructions.



Installing vinyl fencing products

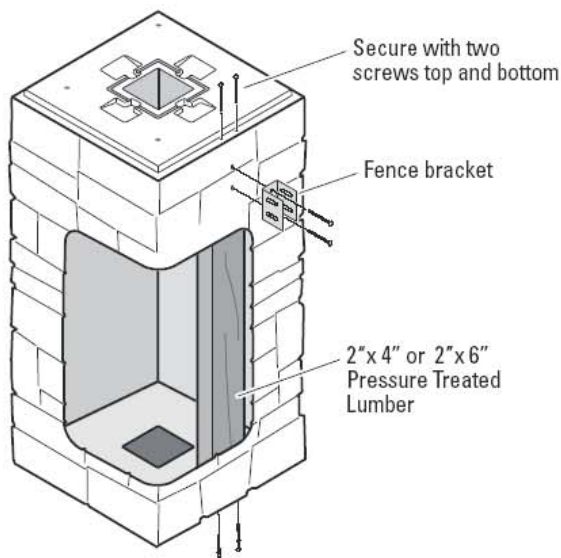
- Install your posts and columns as outlined in the previous section. Columns can be stacked to achieve a variety of heights.

NOTE: When installed, the caps cover the top 2" of the column. Take this into account when determining column heights.

- Mark the location of the fence rails on the column.
- Cut an opening in the column just large enough for the rail to fit into. (a rotary tool will make the best cut)
- Install fencing as outlined in the manufacturer's instructions.

Reinforcing Attachment Points

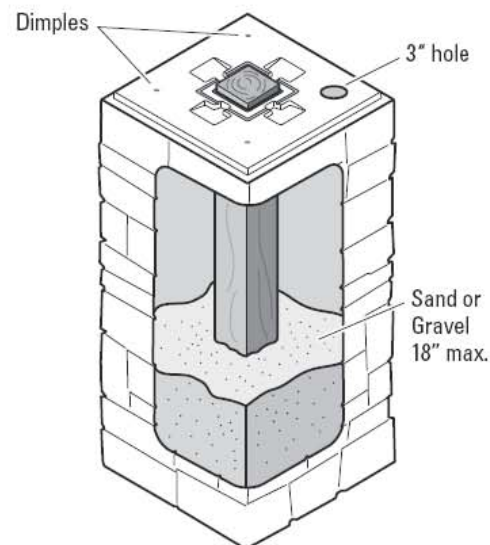
In some installations you may want to add extra support along the edge of the column for the attachment of rail brackets. *The technique outlined below is for attaching lightweight or non-load bearing components. It is not appropriate for attaching heavy fencing or items such as gates. If a gate is to be attached to the column, measures have to be taken so as to transfer the stress from the gate to the support post. In other words, the gate must be attached to the support post, not just the BellaStone column. This can be achieved many ways such as positioning the BellaStone column off-center so the support post is against the 2"x4" or 2"x6" shown in the diagram below, or additional wood or metal blocking can be added to the side of the support post outward to the inside wall of the BellaStone column.*



- Cut out the opening in the top and bottom of the column that corresponds to the size post you are using.
- Trim a pressure treated 2" x 4" or 2" x 6" to the interior height of the column. (Aprox. 37 5/8" for a 38" tall column, and 15 5/8" for a 16" tall column.)
- Insert the board into the column and place it against the inside wall along the column centerline.
- Secure with two screws through the top and bottom of the column.
- Attach fence hardware by screwing through column and into reinforcing board.

Filling Column

In some installations you may want to add weight to the bottom of the column in order to anchor it more securely. You may do this by filling the lower portion of the column with sand or gravel. Follow the steps below.

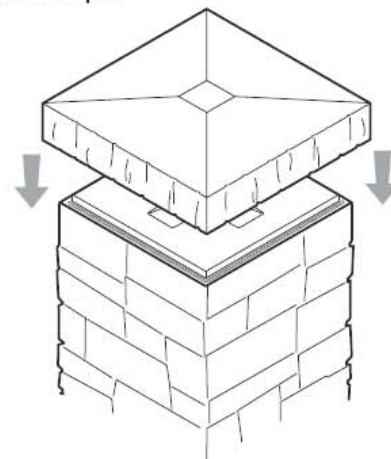
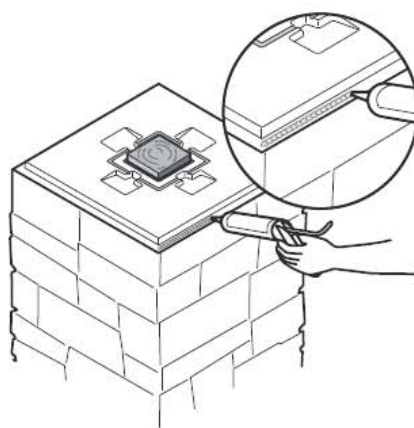


- Install the columns as outlined in earlier sections. (If you are stacking columns, install only the bottom one before completing the fill process.)
- Locate the dimples positioned near the top corners of the columns.
- Using a hole saw, cut a 3" hole in the top of the column using the dimple as a center.
- Pour sand or gravel into the column. Do not exceed a depth of 18" on a 36" column.
- Install upper columns if desired.

Attaching Caps

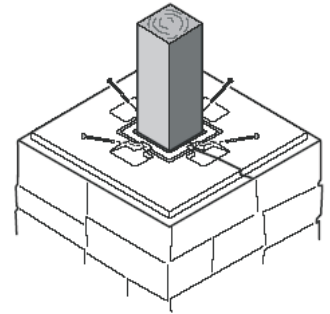
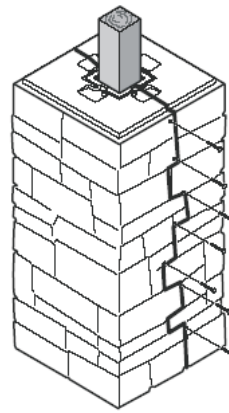
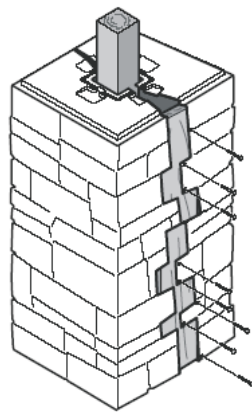
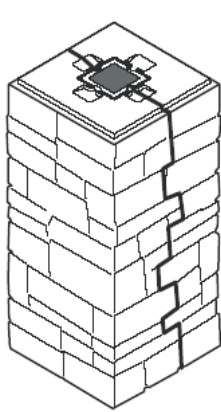
The last step in your BellaStone Column installation is the placement of the column caps.

- Using a heavy duty construction adhesive (such as Titebond Heavy Duty Construction Adhesive), run a 3/8" bead around the perimeter of the column. Place the bead on the lower "step" as shown.
- Place the cap onto the column, pushing the cap into the adhesive.



Wrapping an Existing Post

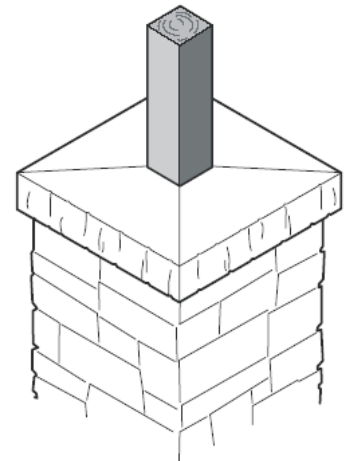
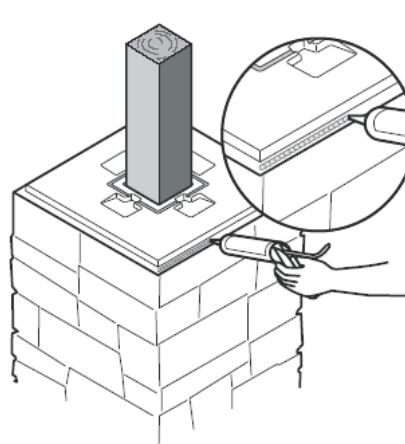
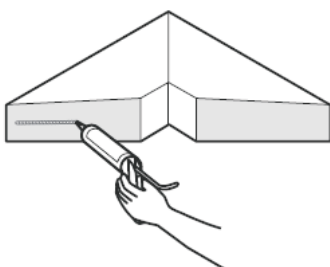
Additional items needed for this application: Jig-saw, 1"x6" board



- 1 To begin, cut the necessary openings on the top and bottom of the column to fit the existing post you are wrapping with the BellaStone Column. (See *Preparing Column* on page 15)
- 2 Take a look at all four sides of the column, and select the side with the straightest mortar joint from top to bottom.
- 3 Using a jig-saw, make a cut from one end to the other, following the center of the mortar joint as shown. Continue this cut across the top and bottom of the column to your center cut outs and to the opposite side.
- 4 Open the column and wrap it around the existing post.
- 5 Place a 1x6 inside the column positioning it so that it is centered along one side of the cut. Secure the 1x6 to one side with weather resistant deck screws.
- 6 Bring the two sides of the column together and secure the other side to the 1x6.
- 7 Secure the column with #8 x 2-1/2" screws through the provided recesses and into the post. If you are using a metal post, you will need to pre-drill the post before driving the appropriate screws.
- 8 Finish the seams as outlined the *Finishing Seams* section.

Installing Cap Around Existing Post

- 1 Cut the cap in half from corner to corner diagonally. Make the necessary cutout for the existing post.
- 2 Apply heavy duty construction adhesive to the cut edge of one of the two halves of the cap as well as on the lower "step" on the top of the BellaColumn.
- 3 Fit the two halves around the post, gluing in place.



Installing Column with Mail Box

Important: When preparing to install a mail box into a BellaStone post, it's important to be sure that the finished height of the mail box meets the U.S. Postal Service's requirements. Be sure that the bottom of the mailbox is at a vertical height of between 3-1/2 to 4 feet from the road surface. However, because of varying conditions, the postal Service recommends that you contact the postmaster or carrier before replacing mailboxes. These instructions assume that the road surface and bottom of the column are fairly level to each other.

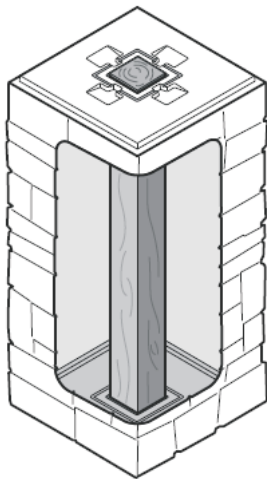
You will need the following tools to install the columns:

- Sabre or Rotary saw
- Drill
- Circular saw
- 3/16" drill bit
- Paint brush

You will also need the following supplies:

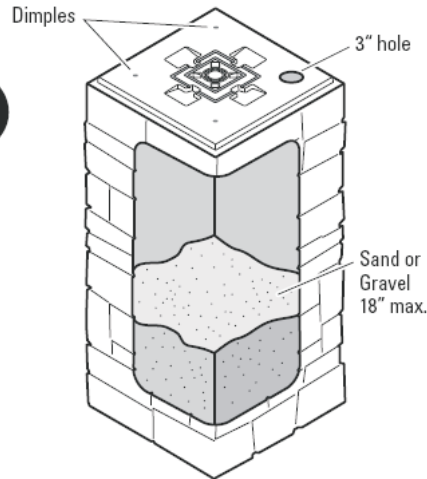
- #8 by 1-1/2" exterior screws
- Mortar sealant (included)
- Aggregate (included)
- Wood block - Dim 3"H x 3-1/2"W x 12"W (ex. 2 2x4's screwed together)

1



Install 38" column following the instructions on pages 15-16.
NOTE: Make sure top of post is trimmed flush with the top of the installed column.

OR



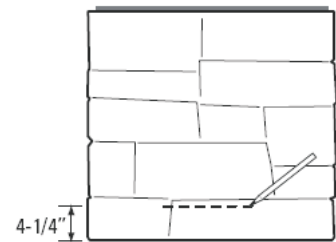
Prepare the area where the column is to be placed. Make sure it is flat and level. A concrete pad may be used.

Cut a 3" hole in the top of the column (pilot dimples are provided). Fill the column with sand or gravel to a level of 18" maximum.

2

Next, prepare the mail box. You'll want the box to fit snugly into the column therefore, you may have to bend any flanges that exist along the rear end and will want to remove any flag, etc. If the box does have a flange and you bend it backward, you'll likely need to re-secure the rear wall of the box. Pop rivets or small screws work well for this.

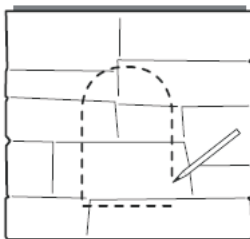
Front View



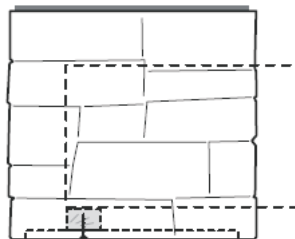
3

Next, Measure upward from the bottom of the 16" column 4 1/4" and make a reference mark.

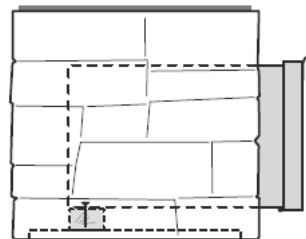
Front View



Side View



Side View



4

Place the rear bottom of the mail box on the reference mark and trace the outline of the box. Using a sabre saw, remove this area.

5

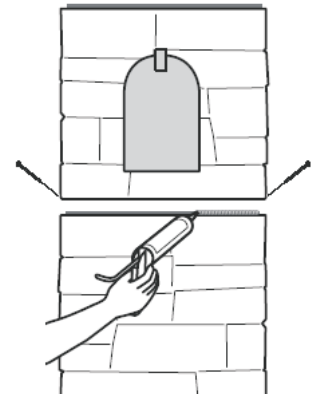
Measure the depth of the mail box. Keeping this number in mind, place a wood block in the column. Locate the block so the rear of the box will lay on the block. From the bottom, secure the block with two screws.

6

Drill an 1/8" hole in the center bottom of the mail box at a point that you will be able to fasten into the wood block. Insert all but about 1 1/2" of the mail box into the column. Using a short screw driver, fasten the box to the wood block with a screw. Lastly, run a bead of sealant where the box meets the stone, and finish with the supplied aggregate.

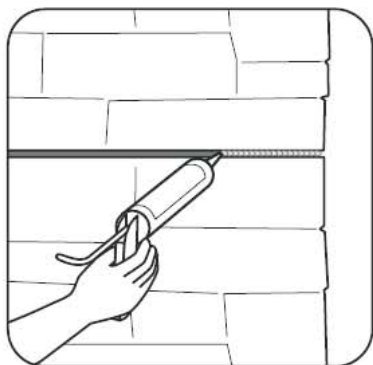
7

Place a bead of adhesive along the top of the 38" column. Position 16" column with installed mailbox on top of base column. Drive a screw through a mortar joint on each side of the top column into the bottom column. Finish seams as outlined in the *Finishing Seams* section.

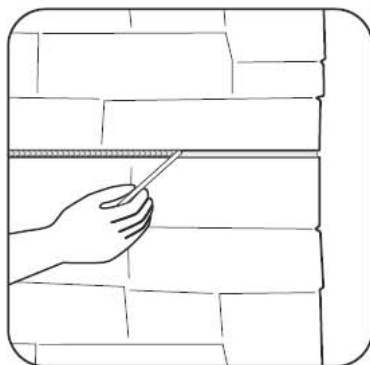


Finishing BellaStone Seams

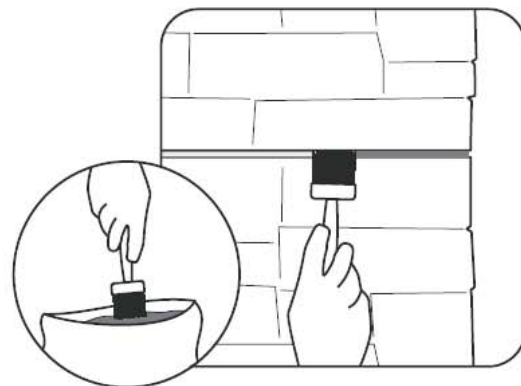
An integral step in giving a BellaStone installation the authentic look is the finishing process of the panel seams. Though this finishing process is not essential to the performance of BellaStone, it is aesthetically necessary. This process need not be done as each panel is installed but should be completed before the caulking placed between the seams as the panels are installed has set or "skinned over".



- 1 Using the BellaStone Mortar Sealant, run a heavy bead at all panel joints. Be sure to fill the joints beyond the other mortar joints in the panel. Also cover any exposed screw heads.



- 2 Using a tool such as a soda straw, smooth the sealant to create the look of a mortar joint. For the best appearance, knock down any high points. It helps to flatten the straw a bit prior to using it.



- 3 Fill the bristles of a paint brush with the BellaStone aggregate. With the aggregate in the brush, jab the ends of the brush into the sealant in the seams. Use enough force to transfer the aggregate to the sealant and slightly texture the sealant. All vertical and horizontal seams should be finished in this way for the best look.

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