

COLOSSAL FILAMENT WOUND COLUMNS FINISHING & INSTALLATION INSTRUCTIONS

FINISHING AND PAINTING INSTRUCTIONS

The surface preparation of your columns and components is very important to assure you a lifetime of beauty.

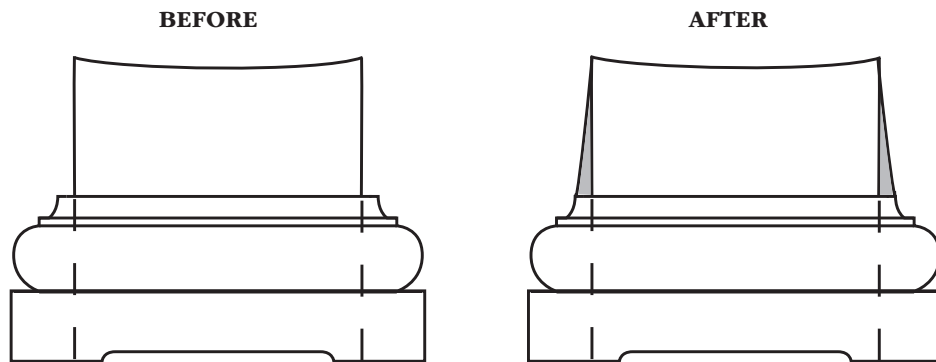
1. Lightly sand and remove ALL dust and or dirt before applying paint or primer. In case of surface scratches, some filling may be required – use a polyester type Bondo material to fill scratches.
2. Use a good high quality exterior paint, at least one coat of primer and two coats surface paint. Use of latex or oil base paint is acceptable. Chadsworth recommends applying paint with a brush (not a sprayer) to achieve a thicker application.
3. Follow the paint instructions completely, making sure that the air and material temperatures are in accordance with the manufacturer's suggested recommendations. Paint adhesion problems occur when the directions are not followed properly.

INSTALLATION INSTRUCTIONS

The position of the plinth must be determined by dropping a plumb line from the center of the soffit beam to the floor. This point should be marked will on the floor.

1. Measure the overall height. Raise the soffit or porch slightly and brace safely for later column placement.
2. Measure shaft length and if necessary, trim the shaft on the bottom only. The top of the column is thicker and should not be cut. Trim with an abrasive saw blade and always wear protective eye guards. Finish the bottom end of shaft with a rasp or sander to ensure an even load distribution around the shaft.
3. Slide the standard capitals (Tuscan/Roman Doric) over the neck and rest temporarily on the astragal until the shaft is in the proper position.
4. Slide base/plinth onto shaft from the bottom.
5. Stand column in a vertical position and slide into place where mark was made on floor.
6. Use L brackets to hold shaft to flooring and do not let these brackets interfere with the position of the base/plinth. (NOTE: Use through bolts on shaft, do not use screws.)
7. Remove brace and allow load to rest on column evenly.
8. Measure and pre-drill hole in capital and base for screws.
9. Slide capital up to soffit and attach using corrosion resistant type screws. Attach base to floor using masonry or appropriate fasteners. Fill holes with a polyester filler.

10. In order to mimic the flow of the column shaft to the base moulding via a cove moulding, a filling technique must be used between the base and the shaft for a completed appearance. Using a plastic putty knife (which is more flexible) and a polyester type filler, perform a 'feathering' application with the filler, turning it outwards to connect the shaft and the top of the base. See diagram below.

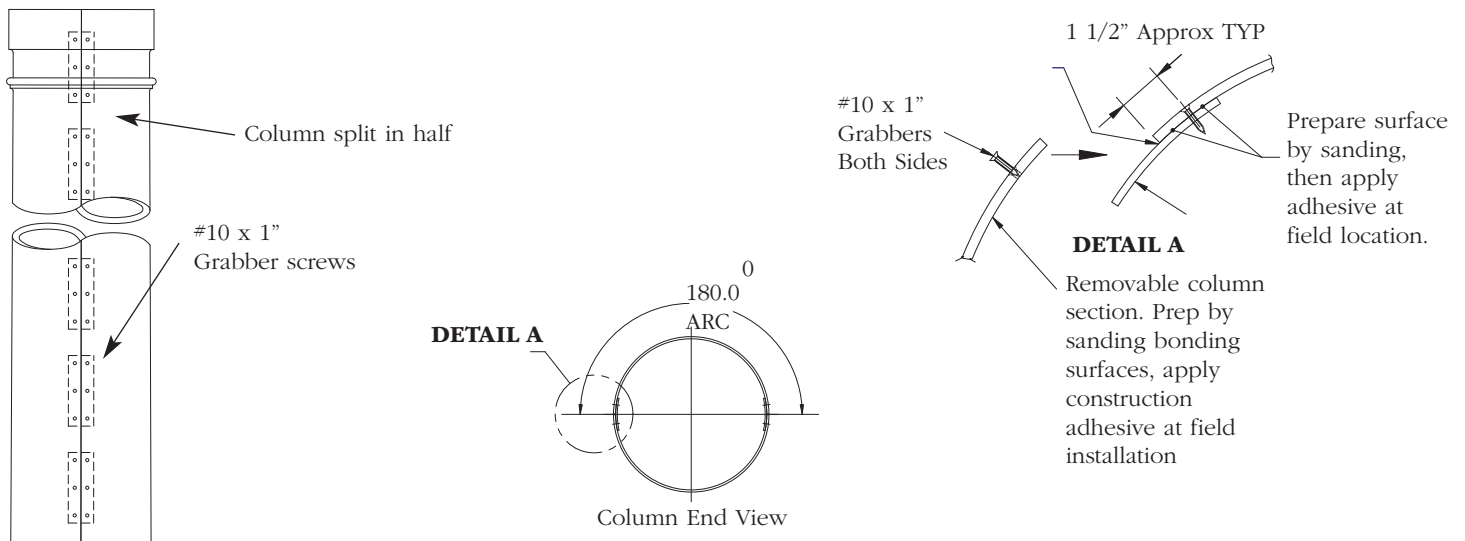


REASSEMBLY FOR SPLIT FILAMENT WOUND COLUMNS

Column shafts will arrive in half with tabs fastened to column with 1" grabber screws (see drawing).

1. Separate column halves by removing 1" grabber screws from one side of column seam. Back grabber screws out from the other half to allow tabs to separate from the column. Apply high quality polyester adhesive (see detail A). Tighten grabber screws on tabs.
2. Position tabbed half section around post or support.
3. Align other half section to tabbed section and join together with high quality polyester adhesive and screws. Strap clamps may be useful.
4. After adhesive cures, (follow recommended cure time) remove the clamp or straps and screws. Fill the seam with polyester type bondo or filler and sand smooth.
5. After sanding and removing dust, column is ready for finishing, priming, and painting.

NOTE: Chadsworth's Composite Column Shafts are fully load bearing. Splitting and tabbing is a service that we provide for you. If you choose to split shafts, our warranty is void. Always keep shafts joined together until ready for reassembly.



DECORATIVE CAPITALS

A. PARTS AND SUPPLIES NEEDED FOR INSTALLATION

Hardware not included:

The following will need to be purchased before beginning installation.

- Standard construction adhesive
- Mineral spirits - for cleaning
- High quality primer and topcoat paint

B. PREPARATION

1. General – Good industrial / construction safety practices demand that when grinding, cutting, or sanding our products, you must work in a well-ventilated area and wear protective safety equipment, such as safety gloves, safety glasses and a MSHA/NIOSH approved respirator.
2. Installation - It is recommended that safety gloves, hard hats and safety glasses, as well as other specified safety equipment be used during installation.

C. INSTALLATION OF DECORATIVE CAPITALS WITH LOAD BEARING PLUG

1. Before installing the decorative capital, cut the column at the top of the shaft just above the neck ring within 1/8" from the neck ring and belt sand flush to finish (see Fig. A). This step does not apply for fiberwound columns that are without a neck ring or where the ring is at the top of the column shaft.
2. ***Before cutting the bottom of the column shaft*** – measure the opening where the column will be installed. When calculating the overall height required be sure to include the height of the capital and plug. The plug will be 1/8" to 3/16" higher than the capital. Trim the column shaft bottom to fit the height of the opening AFTER cutting the top of the shaft at neck ring.

NOTE: Column may be trimmed using an abrasive saw blade or a fine-toothed hand saw. The capital may be trimmed using a Sawzall® with a 10" / 14" tooth saw blade.

3. To attach the plug to the capital: Turn the capital over with the base facing up.
4. Cut two '2x6's – 1 foot in length and place halfway across the base of capital at opposite ends.
5. Trace the capital radius on the '2x6's and cut.
6. Put adhesive on the base of the capital, turn over and center over the metal plug.
7. Using a steel drill, drill three 5/32" holes in each radius piece through the steel plate.
8. Screw a #10 sheet metal screw into each of the six holes. On the outside of the capital, countersink and pilot drill a 7/64" hole through the base of the capital into each radius '2x6' and secure with a screw.
9. Apply a good grade of construction adhesive between the top of the column shaft and the bottom of the capital (see Fig. B).
10. USE CARE when positioning the capital on top of the column. Large capitals may require a forklift.
11. PICK UP THE CAPITAL FROM THE BOTTOM OF THE STEEL PLATE ONLY. It is important to center the capital on top of the column. Remove any excess adhesive.
12. Countersink and pilot drill four 7/32" screw holes into the top of the neck ring through the 3/4" plywood on the plug bottom. These holes should be level with the plywood. Screws should be long enough to penetrate the base of the capital (see Fig. B).
13. Secure the capital with #10 or #12 rustproof screws. Do not over tighten. Length of the screws will depend on the size of the capital and neck ring.

14. Lower the soffit onto the plug. Since the plug will be 1/8" to 3/16" higher than the capital, you should add shims to fill the gap between the soffit and capital.
15. To install the shims, countersink and pilot drill a 7/32" hole through the capital, shims and soffit and secure with a screw. Follow the column manufacturer's installation instructions.

D. OPTIONAL INSTALLATION INSTRUCTIONS TO COVER THE CAVITY OF THE CAPITAL

1. Using 3/8" or 1/2" Marine grade plywood, place the plywood on the top of the capital and trace an outline of the capital.
2. Over cut the tracing by 1/4".
3. Apply a premium grade of silicone between the plywood and the capital top.
4. Screw the plywood to the capital using stainless steel screws.
5. Caulk the back edge of the plywood where it meets the soffit with silicone adhesive.
6. You may also use flashing, or a combination of both flashing and plywood. There is no need to bend the flashing over the edge of the capital. This product is rot proof and impervious to water.

E. FINISHING

1. Finish by caulking all seams and drill holes.
2. Repairs to the capital may be made using automotive adhesive such as Bondo®.
3. Apply a high quality primer to both the column and capital.
4. Finish with a premium grade of topcoat paint (see Fig. C).

OTHER INFORMATION

It is always advisable to check your local building codes before starting construction. If you have any questions regarding these installation instructions, please contact manufacturer before starting installation.

Manufacturer shall not be responsible if any failure to comply with these instructions results in the product failing to perform the purpose intended. Failure to comply with the above instructions shall result in voiding the terms and conditions as stated in the warranty.

Fig. A - Cut column at neck ring when installing decorative capitals.

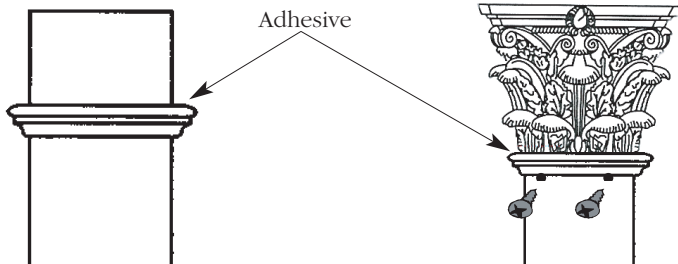
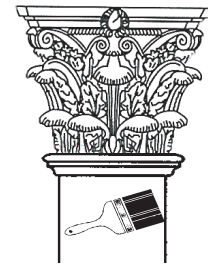


Fig. B - Apply adhesive between the top and bottom of capital.

Fig. C - Apply a high quality primer before painting.



INSTALLATION NOTES

- Be certain the load is evenly distributed over the bearing surface of the shaft.
- Some decorative capitals are not load bearing. Please ask Sales Consultant.
- No special preparation for painting, but sander dust should be removed.
- To preserve and protect the column outdoors, a high quality exterior primer is recommended, followed by an exterior topcoat.