



# DuraCraft™

## FRP Column

### Installation Instructions

1. Locate and mark the center point of the desired column location by using a plumb line.
2. Measure the opening from beam/soffit to floor at the previously marked location. If the column is too tall, shorten the column shaft using an abrasive type blade. **CAUTION:** Because the shaft is the load bearing member, the shaft's top and bottom edges must achieve full, even contact with both load bearing surfaces. Use a rasp or sander to level as required. **NOTE:** Top of column shaft must not be cut so that it falls below upper capital surface when capital is positioned on shaft.
3. Assembly: If installation requires a method of securing column in place before load is applied, metal "L" brackets (suggested size 1-1/2" x 1-1/2") may be used as long as they do not interfere with the seating of the cap and the base. **NOTE:** Always drill clearance holes in column shaft and secure angle brackets with through bolts before Column is put in place. - **DO NOT USE SCREWS - DO NOT OVER TIGHTEN.** (See Figures 1 and 2 below.)

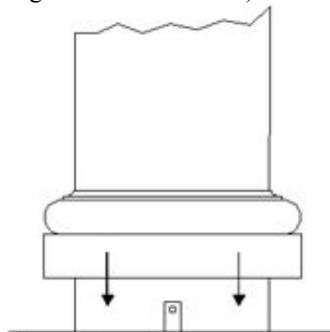


Figure 1

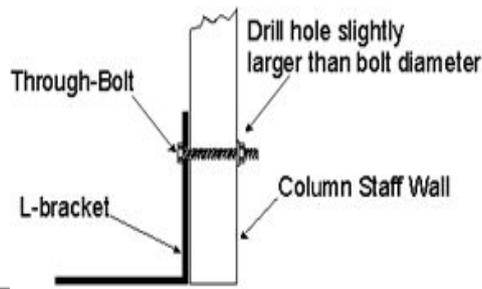


Figure 2

4. Slip base/plinth and capital onto column shaft from the top (end with the smallest diameter).
5. Apply high quality construction adhesive to top of capital and bottom of base.
6. Tip loosely assembled column into position and check level.
7. Align capital and base/plinth, and press into position. Wipe off any excess adhesive.
8. When additional attachment of the capital and base/plinth to the beam/soffit and floor is desired, pre-drill and countersink holes through the square members at the top and bottom of the column (abacus-top, plinth-bottom). Using non-corrosive fasteners, anchor the capital and base/plinth into the beam/soffit and floor. Fill countersunk fastener locations with auto body filler to obscure fastener locations.

9. Fill any nicks which occurred during installation, or gaps between capital and base and column shaft with auto body filler or caulk. Wipe off excess, and allow to dry.

10. To paint column, prepare surface of capital, base/plinth and shaft by sanding lightly with 120 grit or finer wet/dry sandpaper. Remove all dust and oils from the column before painting by thoroughly wiping the entire column assembly with mineral spirits. Prime with oil-base primer, and finish paint with two coats of a high quality oil-base paint.

## **Splitting Columns:**

DuraCraft™ column shafts, capitals and bases may be ordered in halves for reassembly. They also may be cut in the field with an abrasive type blade.

## **Reassembly of Split Columns:**

1. Locate & mark the center point of the desired column location by dropping a plumb line from the beam/soffit to the deck. (OPTIONAL: Bolt metal angle brackets to column as above.)
2. Stand the first column half in the previously marked location, and check level. (OPTIONAL: fasten metal angle brackets to beam/soffit and floor.)
3. Following adhesive manufacturers recommendations, secure the second column half under pressure to the first half using Urethane construction adhesive. The use of straps or tape may be helpful. Remove the excess adhesive from seam, and allow to dry. (OPTIONAL: Fasten metal angle brackets to beam/soffit and floor.)
4. Align , and secure capital and base/plinth halves around column shaft under pressure using Urethane Construction Adhesive. Wipe off excess, and allow to dry. Finish seam with auto body filler and sand smooth.
5. Follow steps 8, 9 and 10 above to complete installation and finishing.