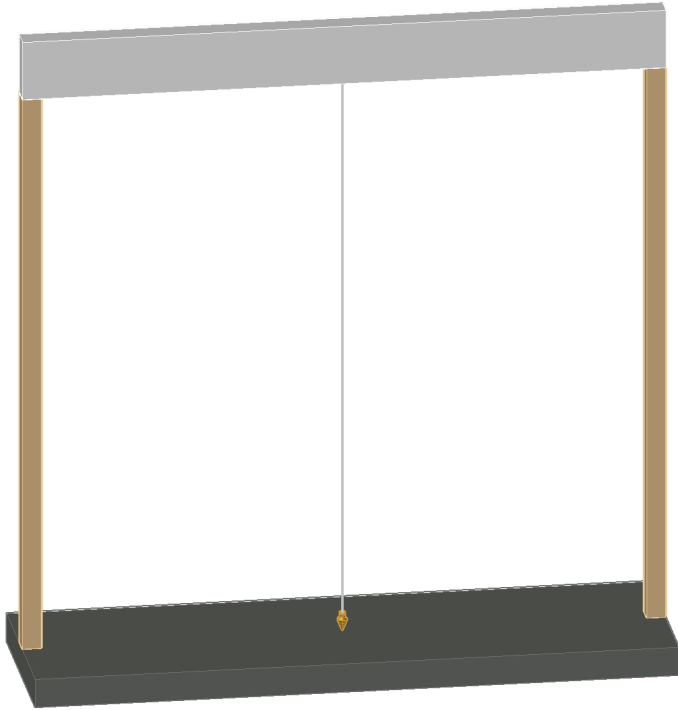
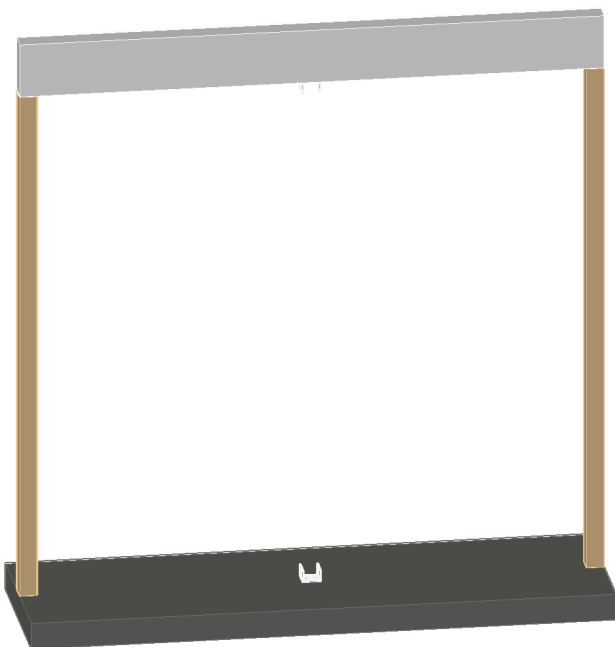
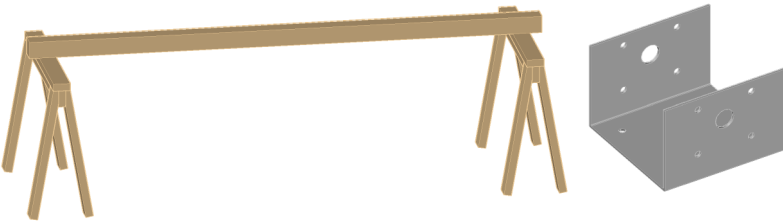


SmartColumn™ - Installation Instructions

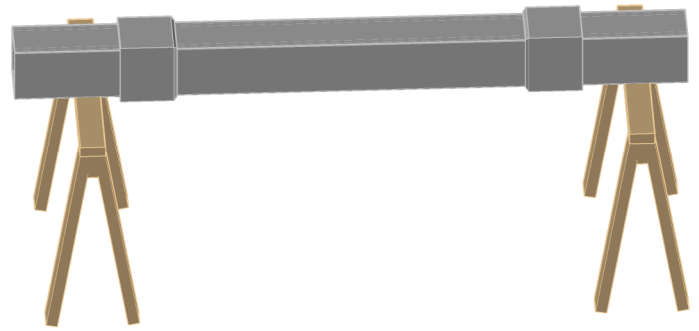


Step 1: Insert temporary braces to support the beam at its final finished height. Measure the clear span distance between the floor and bottom side of beam and make note of it. This will be the OVERALL height of the pressure treated structural post inside your SmartColumn™. Cut the post to the overall height dimension minus the thickness of the 2 post mounting brackets.



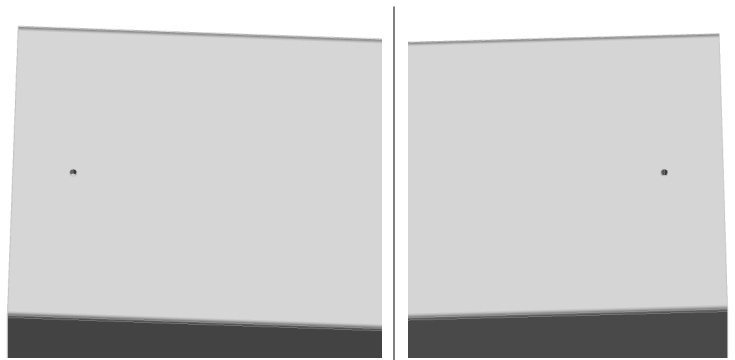
Step 2: Use code-approved fasteners and install post mounting brackets (supplied by others) to the beam and floor. Use a plumb bob or level to ensure brackets are aligned and plumb both front-to-back and side-to-side.

Step 3: Using a circular saw w/ a fine-tooth carbide blade or diamond blade, cut the SmartColumn™ 12" shorter than the structural post previously cut in Step 1. **DO NOT CUT THE SMARTCOLUMN™ SHAFT MORE THAN 12" SHORTER THAN THE STRUCTURAL POST.**

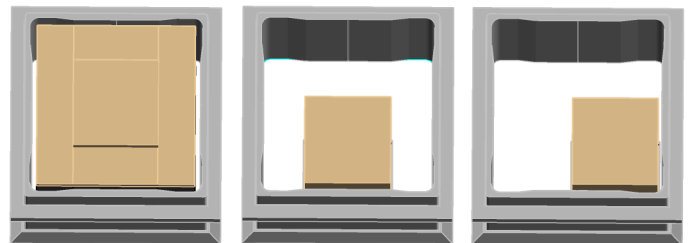


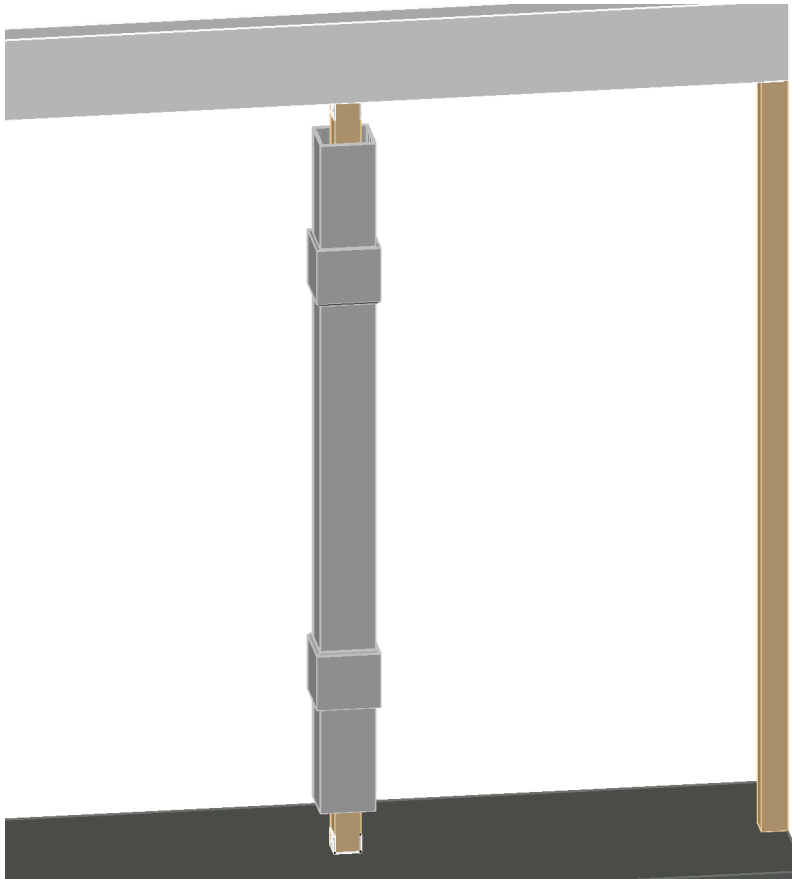
Step 4: Once the shaft is cut to length, locate the center of the shaft and make a mark. Measure down 1-1/2" from the center mark at each end of the shaft and make a mark.

Step 5: Use a $\frac{3}{16}$ " Ø twist drill bit to drill the center holes in the shaft which were previously marked.

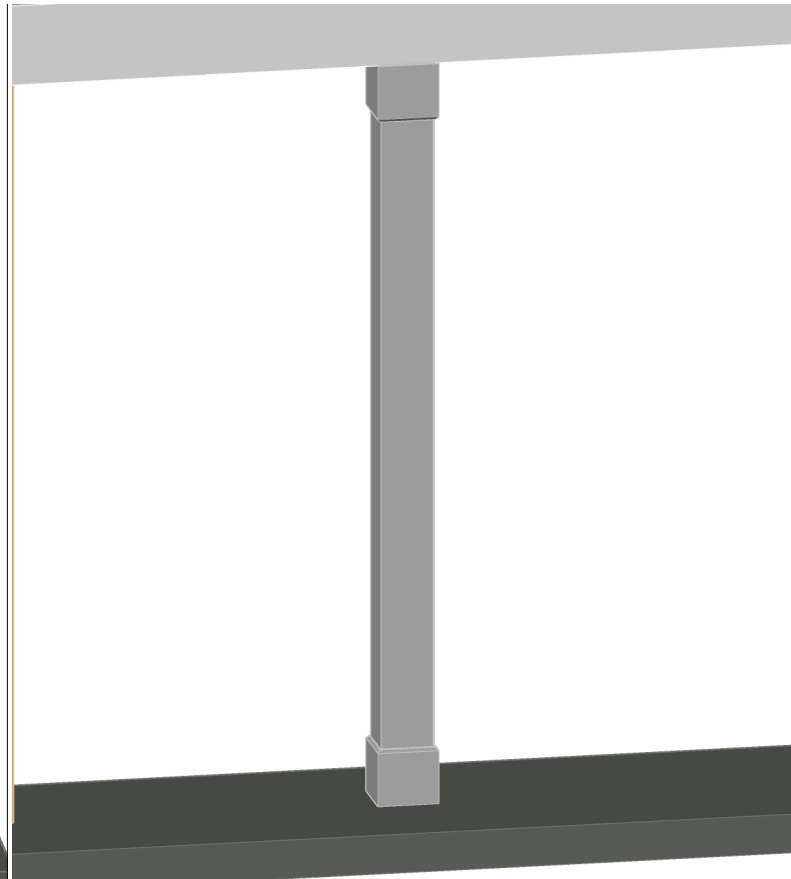


Step 6: Slide the structural post into the column shaft. The structural post should extend 6" out of each end of the shaft. Slide the sawhorses enough so that the structural post contacts them and the shaft floats freely between them. Center the column shaft on the post and double-check to ensure the post is extending equal distance out each end of the shaft (6"). Once the column shaft is into position, use a minimum of #10 x 2-1/2" rugged structural screw to secure the shaft to the structural post. Alternative locating options are presented below for reference.





Step 7: Use a jack or wooden post to raise the beam approximately $\frac{1}{2}$ " to install the SmartColumn™ into the post mount brackets. Remove the temporary bracing and allow for the beam to slowly come to rest on top of the structural post. Use code-approved fasteners to connect the structural post to the post mounting brackets.



Step 8: Remove the tape or shrinkwrap temporarily holding the cap and base. Slide the base down to the floor and the cap up to the beam. Use an adhesive caulk to secure the cap and base into position. You may use door shims to help temporarily hold the cap into position while caulking into place. Allow caulk to partially dry before removing shims to complete remaining areas.
YOUR SMARTCOLUMN™ IS COMPLETE!

Finishing: Prepare the column for paint by sanding with 120-grit or finer wet/dry sandpaper. Prepare the cap & base with 220-grit or finer. Clean & remove dust with a compatible cleaner for the chosen paint. Use a high-quality exterior paint and bonding primer made for use on fiberglass or plastics. Follow paint manufacturers instructions and application guidelines for ambient temperature, relative humidity, surface prep, cure times, etc. Do not use paint or solvents containing acetone.

TOOLS NEEDED FOR SMARTCOLUMN™ INSTALLATION		USE
Necessary	Circular Saw / Skilsaw	Cut column shaft to length
Necessary	Hammer	Various
Necessary	Caulking Gun	Apply caulk
Necessary	Utility Knife	Various
Necessary	Framing Square or Speed Square	Mark column & structural post when cutting to length
Necessary	Plumb-bob and Level	Align & plumb brackets
Necessary	Rags	Cleanup caulk squeeze out
Necessary	Bucket	Cleanup caulk squeeze out
Necessary	Water for Cleanup	Cleanup caulk squeeze out
Necessary	Cordless Drill or Impact Driver	Drill holes, attach structural post to column shaft and brackets
Necessary	Driver Bit - various	Driver bit for optional trim screws
Optional	1/8" Twist Drill Bit	Pilot holes for trim screws
Necessary	3/16" Twist Drill Bit	Holes for attaching column shaft to post
Optional	High-Speed Steel Countersink Bit	Countersink holes in shaft for attachment
Required	Post Mount Brackets	Securing Structural post
Required	Min. #10 x 2-1/2" RSS (Rugged Structural) Screws	Securing column shaft to post
Recommended	Denatured Alcohol	Clean pencil marks and other from installation