

# **PORCH-LOC®**

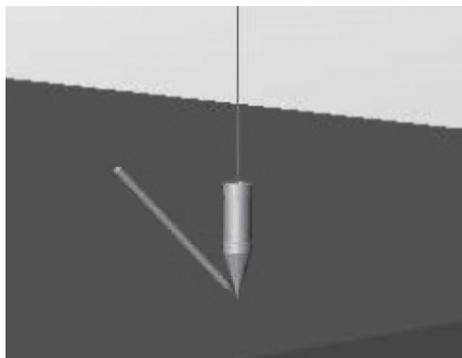
# **INSTALLATION INSTRUCTIONS**

## Porch-Loc® Installation Instructions

**NOTE: DISCARD THE INSTALLATION INSTRUCTIONS AND HARDWARE THAT CAME IN YOUR PERMAPOST® PACKAGING AND USE THESE PORCH-LOC® INSTALLATION INSTRUCTIONS INSTEAD**

Be sure to be wearing eye protection before beginning installation

1. Install a temporary brace to support the beam at the final desired height above the floor. Measure the distance from floor to beam and make a note of it.
2. Mark the center of your post location on the bottom of the beam. Drop a plumb bob down to the floor to mark the center of your PermaPost® location on the floor.

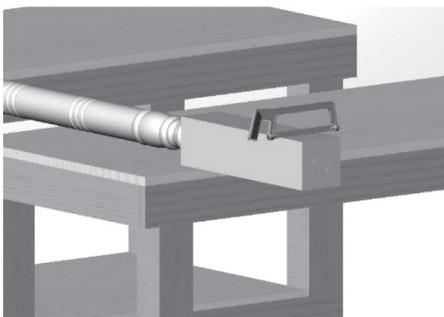


3. Set PermaPost® on a pair of sawhorses, and prepare to cut the PermaPost® to length. The length of your PermaPost® should be  $\frac{1}{8}$ " shorter than the measurement you determined in step 1.

a. If installing a Colonial PermaPost® that will receive a handrail, check local building codes for the minimum rail height. Leave the square, bottom portion of the Colonial PermaPost® 2" taller, or more, than your rail height. Once you have determined the height of the square, bottom portion of your PermaPost®, cut off a portion of the square, top portion of the PermaPost® to achieve the final desired height. Use a carpenter's square to mark where you will cut at both ends of the post.

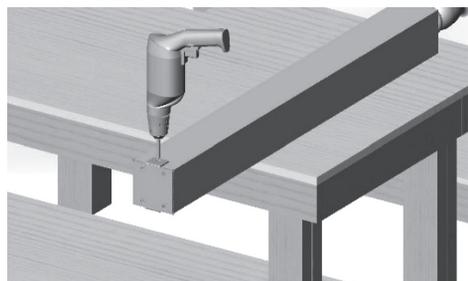
b. If installing a Square PermaPost®, you can cut the excess length off one end. Use a carpenter's square to mark where you will cut the post.

4. Use a metal-cutting hacksaw or powered reciprocating saw to cut the PermaPost® to length.



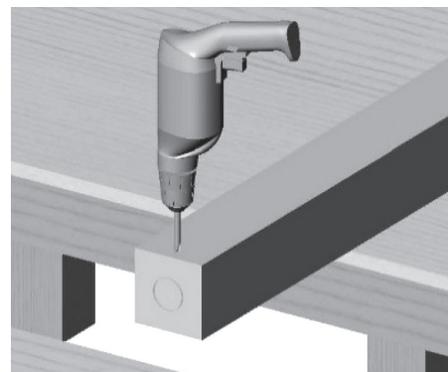
5. Take one mounting bracket and slide it over the bottom of the PermaPost®. Position the bottom plate of the bracket so it is aligned evenly with the bottom of the PermaPost®.

The 2 vertical legs of the mounting bracket should extend up opposite sides of the PermaPost®. Using the holes in the vertical legs of the bracket as guides, drill straight  $\frac{3}{8}$ " diameter holes into the PermaPost®.

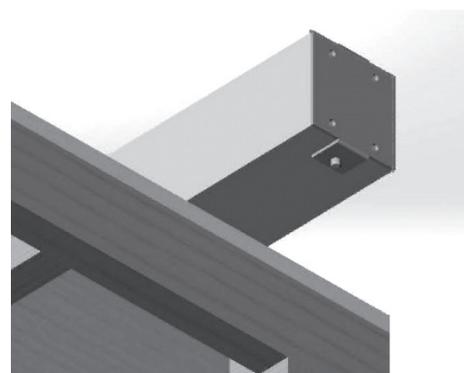
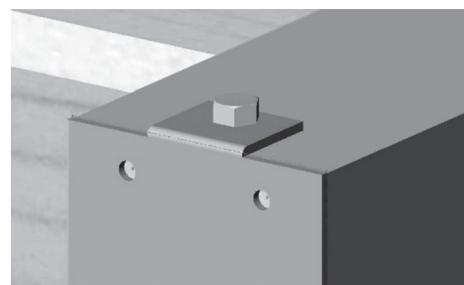


6. When you drill, you will hit the steel pipe in the center of the PermaPost®. Drill through the first wall of the pipe and stop. Do not try to drill completely through the PermaPost® from one side! Once you have drilled into the pipe from one side, roll the PermaPost® 180 degrees and repeat the process on the opposite side, using the hole in the second vertical leg of the mounting bracket as a drill guide. Repeat this process at the top of the PermaPost®. **BE SURE YOU DRILL INTO THE SAME FACES OF THE PERMAPOST® AT THE TOP OF THE POST AS YOU DID AT THE BOTTOM.**

7. After you have drilled the  $\frac{3}{8}$ " diameter holes, remove the brackets and replace the  $\frac{3}{8}$ " diameter drill bit with a  $\frac{1}{2}$ " diameter drill bit. Use the  $\frac{3}{8}$ " diameter holes you just drilled as guides, and re-drill the holes with the  $\frac{1}{2}$ " diameter drill bit.

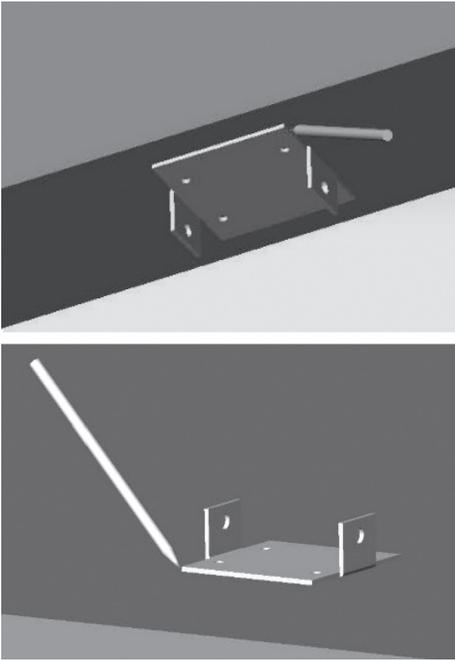


8. Be sure to drill into the steel pipe. This process will provide you with additional clearance to permit you to insert and push the  $\frac{3}{8}$ " diameter bolt completely through the PermaPost® and the vertical legs of the bracket. Test fit the mounting brackets at the top and bottom of the PermaPost® to ensure that you can push the bolt completely through.

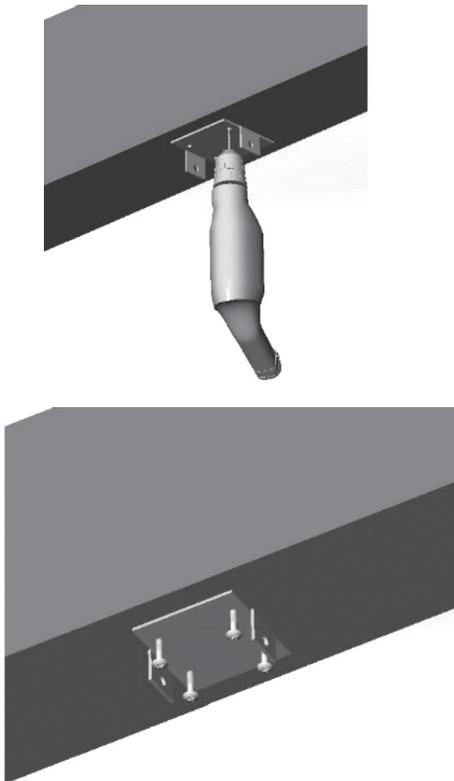


After test fitting, remove the mounting brackets from the post.

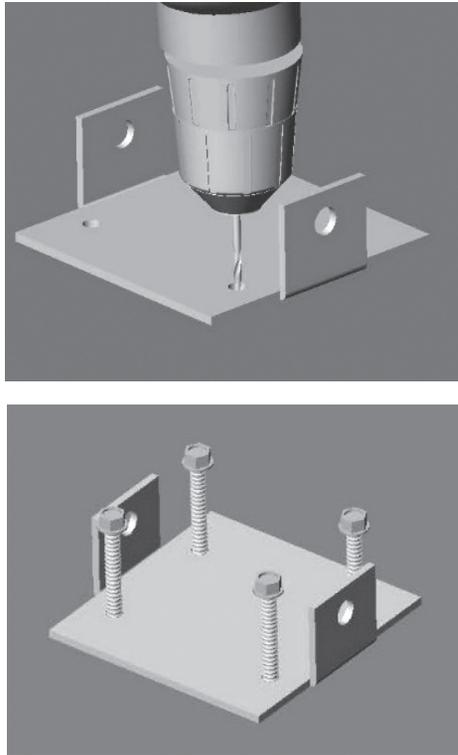
9. Take the mounting brackets and center them on the locating marks you made on the beam and floor in step 2 of these instructions. Trace around the outside of the mounting brackets to mark their location.



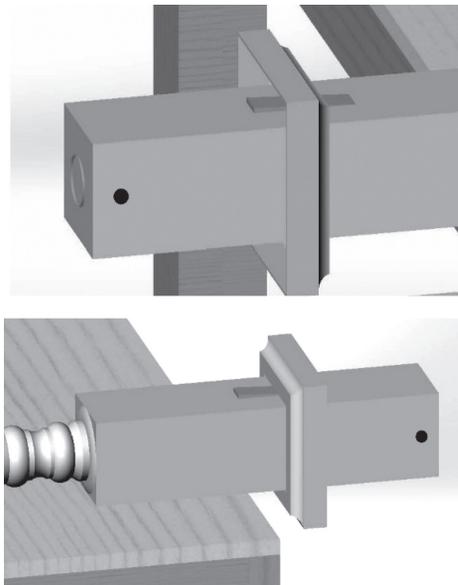
10. The 4 holes in the bottom of each mounting bracket will receive the mounting screws. Pre-drill  $\frac{1}{8}$ " diameter holes and attach one bracket to the beam using (4)  $\frac{1}{4}$ "x  $1\frac{1}{2}$ " screws.



11. Attach the second bracket to the floor. If the floor surface is wood, pre-drill  $\frac{1}{8}$ " diameter holes and use (4)  $\frac{1}{4}$ "x  $1\frac{1}{2}$ " screws. If the floor surface is concrete, drill  $\frac{3}{16}$ " diameter holes and use (4)  $\frac{1}{4}$ "x  $3\frac{1}{4}$ " concrete screws. BE SURE THE BEAM BRACKET AND FLOOR BRACKET ARE FACING THE SAME DIRECTION.

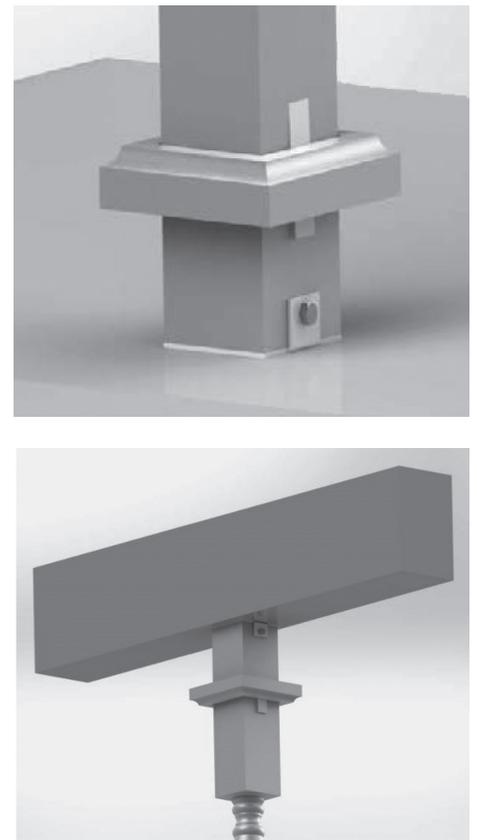


12. Take the PermaPost® and slide the top and bottom trim rings over the post. Using tape or shims, temporarily secure the trim rings to the middle of the post.



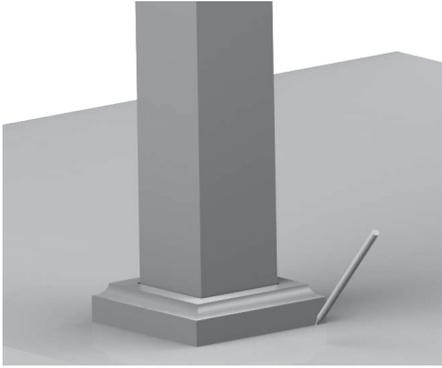
13. Slide the PermaPost® into the brackets you just mounted. Align the holes that you drilled through the PermaPost® in step 6 with the holes in the vertical legs of the mounting brackets.

14. Slide the  $\frac{3}{8}$ " diameter bolt through the hole in one of the vertical legs of the top mounting bracket and push it completely through the PermaPost® until it comes out the hole in the second vertical leg. You may have to wiggle the bolt and/or tap it lightly with a hammer to get it to align with the hole in the second vertical leg. After the bolt has been inserted, secure it in place with the lock-nut included in your hardware kit. Repeat this process at the bottom mounting bracket. After the PermaPost® is permanently in place, remove the temporary brace that has been supporting the beam.

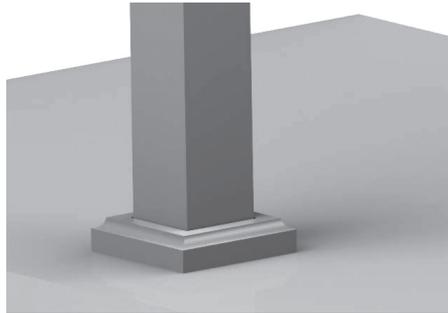
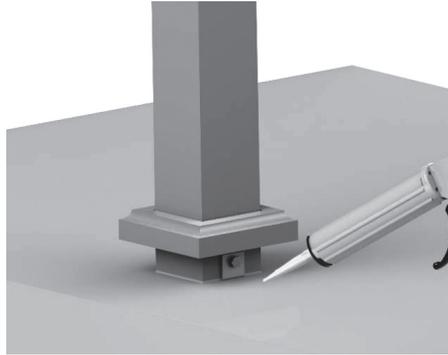


15. Install the base trim ring.

a. Temporarily remove the tape or shims holding the base trim rings to the shaft of the PermaPost®. Let the base trim ring drop down into place on the floor. Mark the base trim location on the floor and then lift the base back up off the floor again.

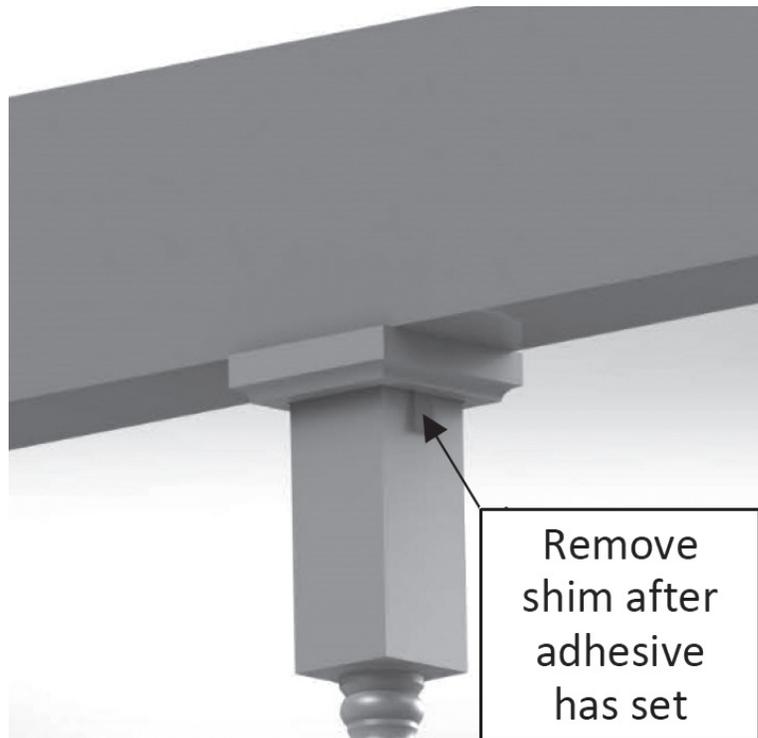


b. Use a tube of clear, water-based construction adhesive in a caulk gun, and place a thick bead of adhesive on the pencil line you traced around the base trim ring. Slide the base trim ring down into place and push it firmly into the thick bead of clear construction adhesive. Wipe off excess adhesive with a damp rag and let the adhesive set.



16. Install the cap trim ring:

a. Remove the top shims or tape and push the cap trim ring up to the beam, and trace around the outside with a pencil. Let the cap trim ring drop back down and reinstall temporary shim or tape to hold it in place. Use a tube of clear, water-based construction adhesive in a caulk gun, and place a thick bead of adhesive on the pencil line you traced around the cap trim ring. Slide the cap trim ring up into place and push it firmly into the thick bead of clear construction adhesive. Insert a couple of shims between the PermaPost® shaft and the square hole in the cap trim ring to hold the cap trim ring in place while the adhesive sets. Wipe off excess adhesive with a damp rag. Remove the shims after the adhesive has set.



***Your PermaPost® Porch-Loc® installation is complete***