

3. Using a hammer drill, pre-drill 1/4" holes for the bottom bracket at an angle that will be convenient to drive the screws into the concrete when the post assembly is placed (see step #11), drill 1/2" holes for the trim locator pins. These are drilled straight into the concrete. Typically, it is not necessary to pre-drill the top bracket holes. However, to ensure the most correct placement of the bracket, you may wish to provide pilot holes.



6. Remove the unwanted amount using a saber saw with a fine tooth blade.



9. Slide the mid-trim ring onto the post, as shown. 8" and 10" tapered posts have an offset on which the ring rests. The location of the rings for straight posts should be pre-determined (typically, 8" from the top on the 8" post) and marked.



12. In areas where uplift from high winds is considered a problem, pre-drill 1/4" holes through the column and bracket ears at the position of the bracket mounting tabs into the post approximately 1" from the bottom and 1" from the top.

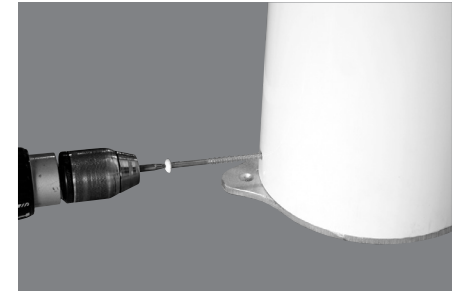
4. If adjusting the length of the post is required, slide the inner post and spacers out of the post from the base (straight) end. Measure and mark the amount to be removed and cut the inner post with a fine tooth carbide blade on a chop saw.



7. Before pre-assembling column, you must determine the placement of the spacers. Measure from the bottom of the aluminum insert (34" for 36" high railing and 40" for 42" high railing). This will be the placement of the bottom of the aluminum insert spacer.



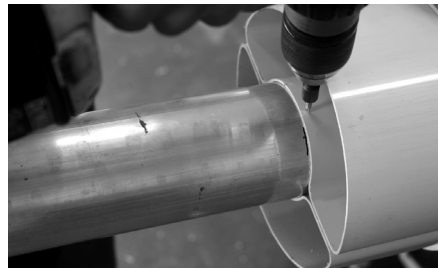
10. With the rings properly positioned on the 8" straight post, drive #8x2" self-drilling screws into the post through the holes in the top of the ring, as shown. Slide the top and bottom trim over the post, followed by the top and bottom mounting brackets.



13. Drive #14x4" screws into the post securing the post to the bracket top and bottom. Placement of the top and bottom trim will hide the screws.

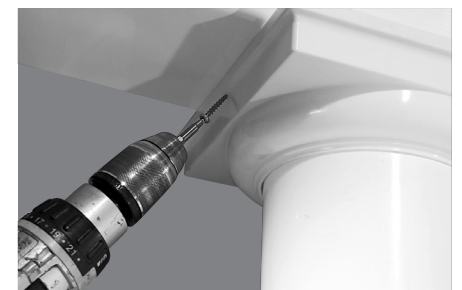


5. Using a "T" square, mark the outer post (bottom straight end only).



8. Spacers need to be fixed in place using #8x2" self-drilling screws. Slide inner pipe with spacer into column. **If a railing system is being installed with the lower rail at 2" off of the deck, the base trim ring will need to be cut to provide for the lower rail mounting bracket. See the instructions included with the trim.**

11. Slide the assembly into position aligning the brackets with the holes drilled in step #2. Using a hammer drill, drive the Tapcon screws into the concrete deck. Likewise, affix the top bracket to the carrying timber.



14. Top trim is now fixed to the carrying timber as shown using #8x2" self-drilling screws.

