

PRESIDIO®

by **Westech**

RELIANT® SERIES INSTALLATION INSTRUCTIONS

PRESIDIO®

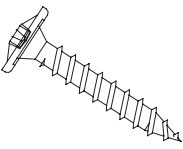
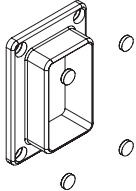
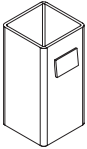
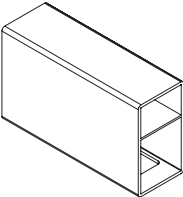
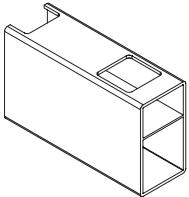
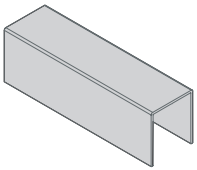
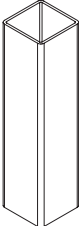
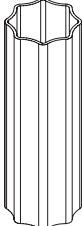

RELIANT® SERIES

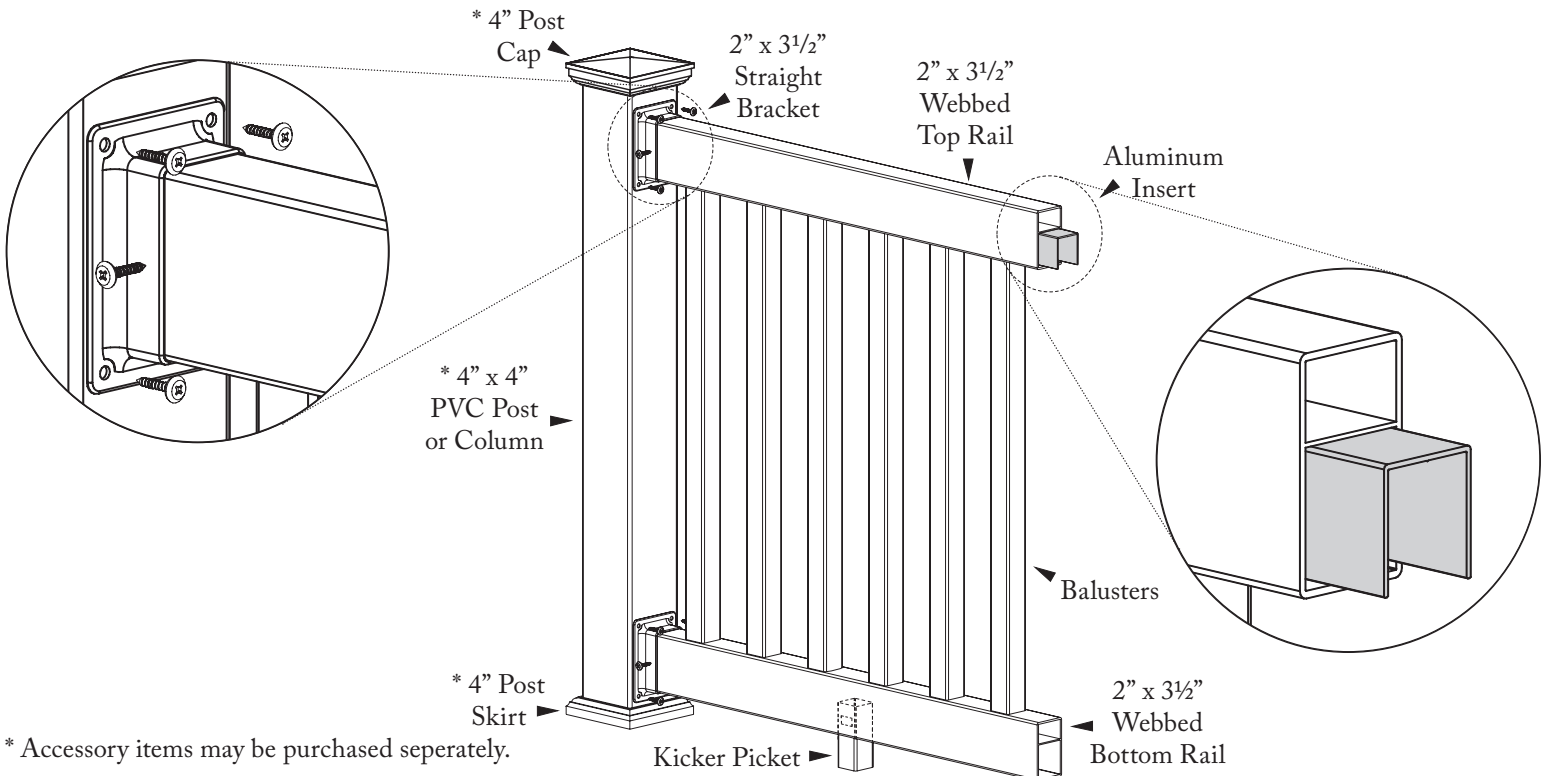
STRAIGHT RAILING KIT INSTRUCTIONS

RAILING KITS INCLUDE THE FOLLOWING COMPONENTS	6' Kit	8' Kit	10' Kit
1¼" Stainless Steel Screws for Brackets	(20)	(20)	(20)
2" x 3½" Straight Brackets	(4)	(4)	(4)
Kicker Pickets 1½" x 1½" x 4.1"	(1)	(1)	(1)
Top Rail - 2" x 3½" Webbed with pre-routed holes (Top Rail routed on one side of rail)	(1)	(1)	(1)
Bottom Rail - 2" x 3½" Webbed with pre-routed holes (Bottom Rail routed on both sides of rail)	(1)	(1)	(1)
Aluminum Insert for Top Rail	n/a	(1)	(1)
Baluster Styles (One style per selected kit) 1½" Square, 1½" Fluted, 1½" Colonial	(14)	(18)	(24)

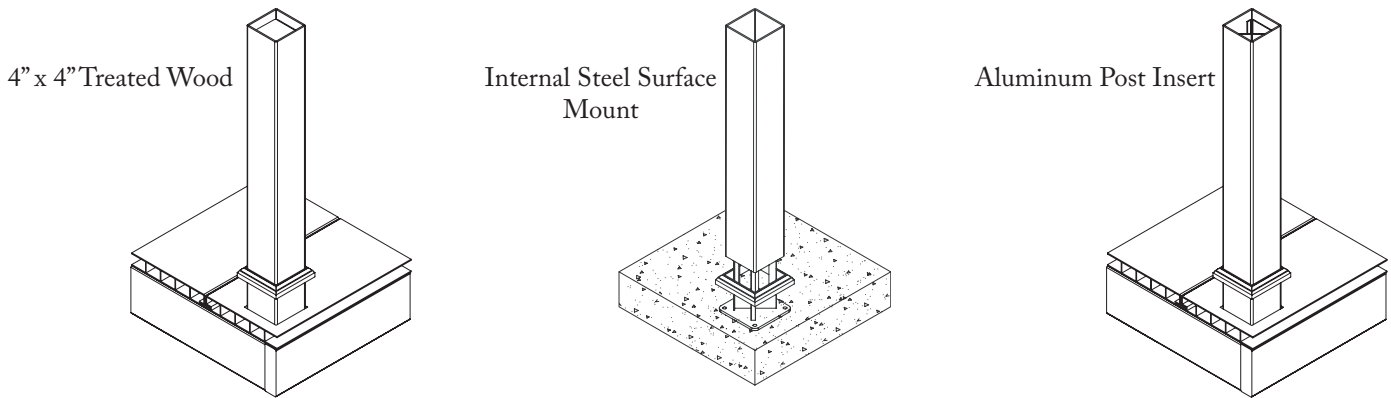
TOOLS REQUIRED

TAPE MEASURE, LEVEL, SAW, DRILL,
PHILLIPS DRIVER BIT OR SQUARE
DRIVE (ROBERTSON) BIT

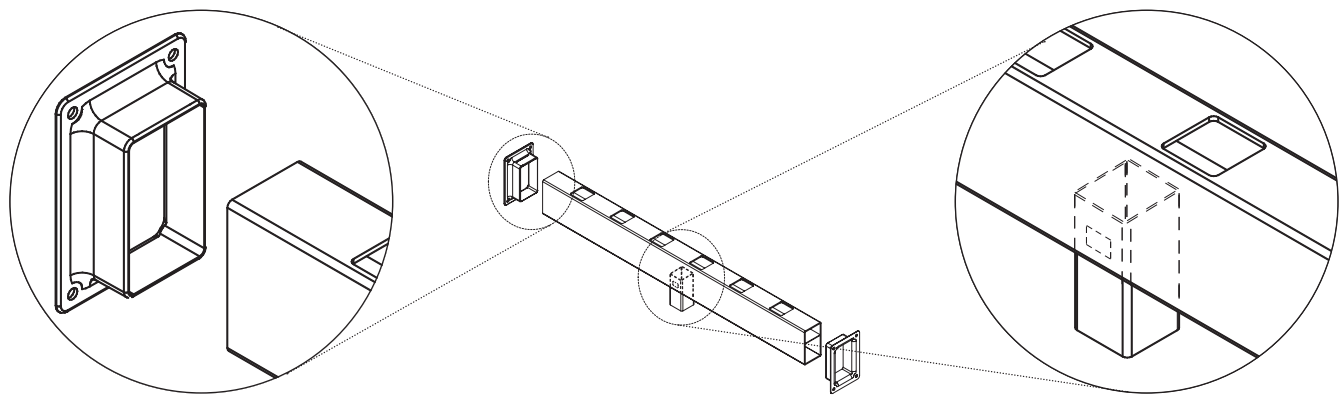
1¼" Stainless Steel Screw 	2" x 3½" Straight Bracket 	1½" Square Kicker Picket 
2" x 3½" Top Rail 	2" x 3½" Bottom Rail 	Top Rail Aluminum Insert 
1½" Square Baluster 	1½" Fluted Baluster 	1½" Colonial Baluster 



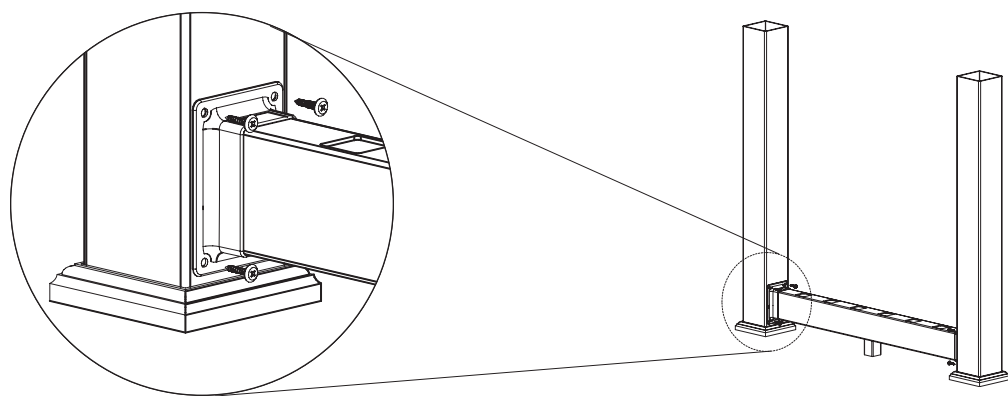
* Accessory items may be purchased separately.



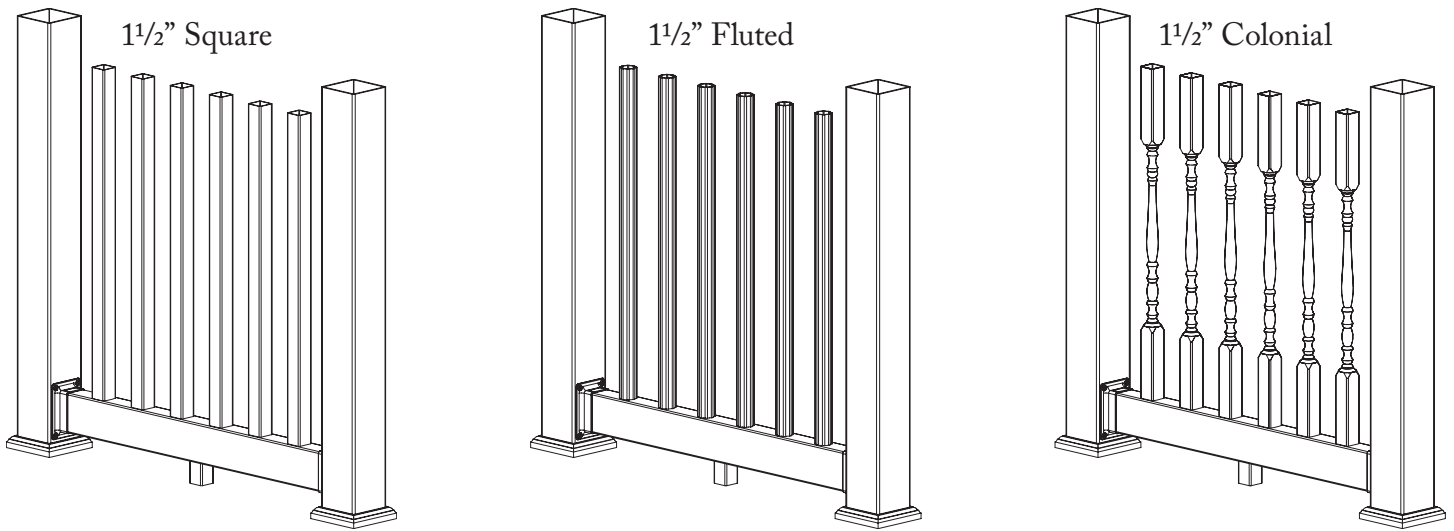
STEP 1. Prepare and install posts and decking. Prepare the posts and mounting surfaces to which the rail section will be attached. A typical installation uses a 4" x 4" vinyl post sleeved over either a 4" x 4" treated wood post, an internal steel surface mount or an aluminum post insert. When using Presidio PVC Decking, the 4" x 4" treated wood post or the aluminum post insert should extend 38½" above the wood joist framed structure for 36" high railing systems and 44½" above the wood joist framed structure for 42" high railing systems. Cut and fasten the posts or inserts to the wood framing or install the internal steel surface mounts to the concrete surface. Install decking boards over or around post supports. (Please refer to the decking installation instruction manual for the correct installation procedures of the deck boards.) Sleeve the post supports with a 4" vinyl post. (This sleeve should measure 38" above the finished deck surface for 36" railing heights or 44" for 42" railing heights.) The installed post supports must be plumb for correct installation of the rail section. If vinyl post skirts are being used at the base of the posts, slide the post skirts over the top of the vinyl-sleeved posts so that they come to rest around the base of the post.



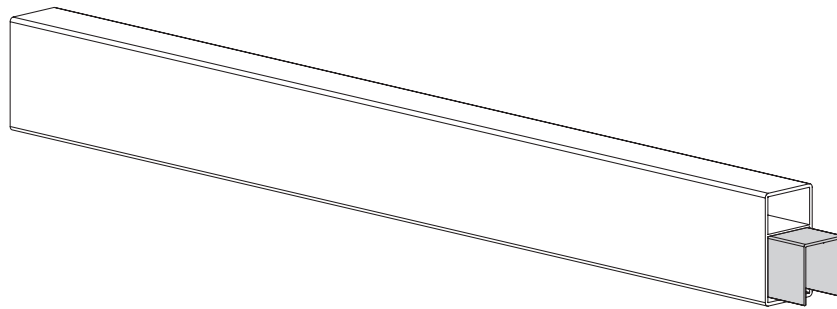
STEP 2. Measure and cut the bottom rail. Measure the distance between the posts approximately 3½" above the deck surface. The bottom rail is identified by having routed holes on each side of the rail. One side for is for the insertion of the balusters and the other for the kicker picket. If cutting of the bottom rail is necessary, cut an equal amount off both ends of the rail so to as to maintain uniform baluster spacing between the posts. Insert the kicker picket into the bottom of the rail so the notched portion of the picket is inside the rail. Slide the 2" x 3½" straight brackets onto each end of the bottom rail. (The flange of the bracket should be towards the outside of the rail.) If a partial baluster rout is exposed, cut away the inside portion of bracket so the baluster can be inserted.



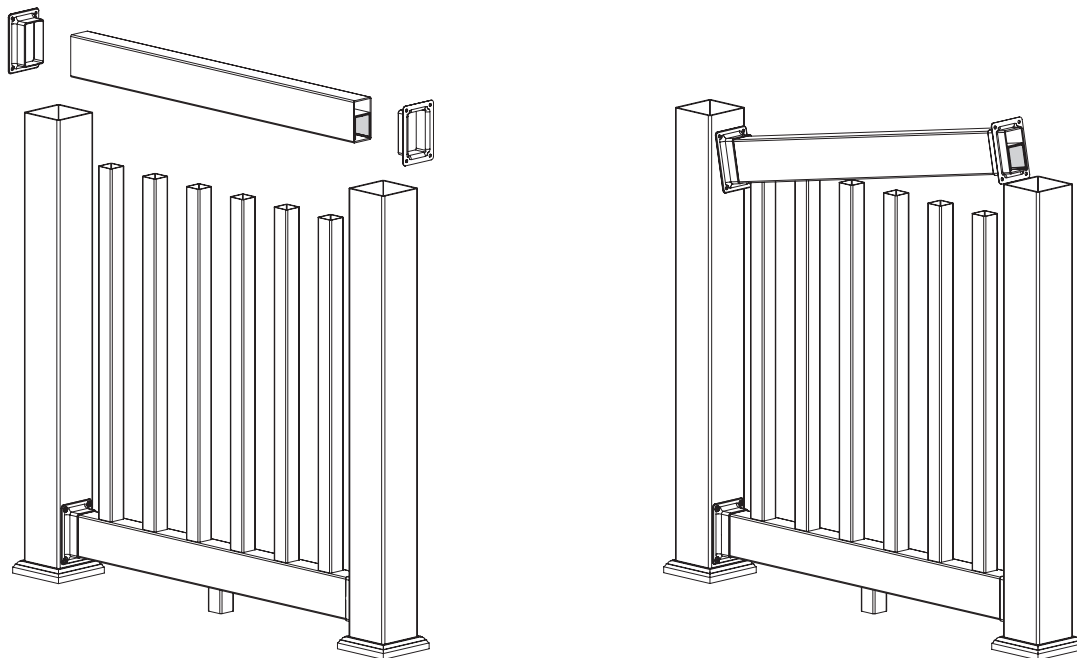
STEP 3. Secure the bottom rail. Attach the bottom rail to the posts by using the 1¼" stainless steel screws provided. The bottom rail will be 2" off the deck surface with the kicker picket resting on the deck surface and inserted correctly. Fasten one screw in one bracket to set the bracket into position. Keeping the bottom rail level, fasten one screw in the second bracket. Finish securing the brackets to the posts using (4) screws per bracket ensuring both the bottom rail and the brackets are level and square.



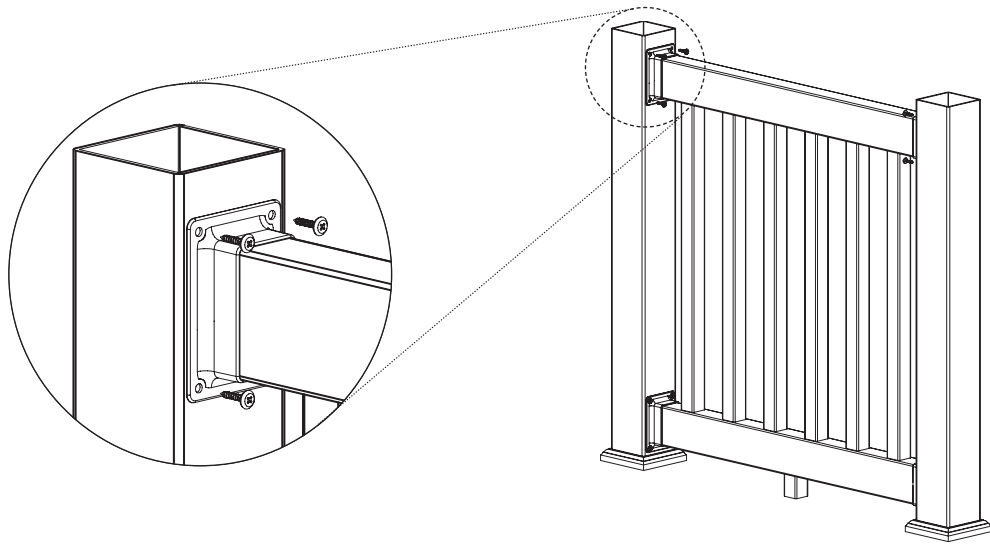
STEP 4. Insert the balusters. Having secured the bottom rail into place, insert the balusters into the bottom rail. If the 1 1/2" colonial balusters are being used make sure the balusters are inserted so the baluster tapers are uniformly installed.



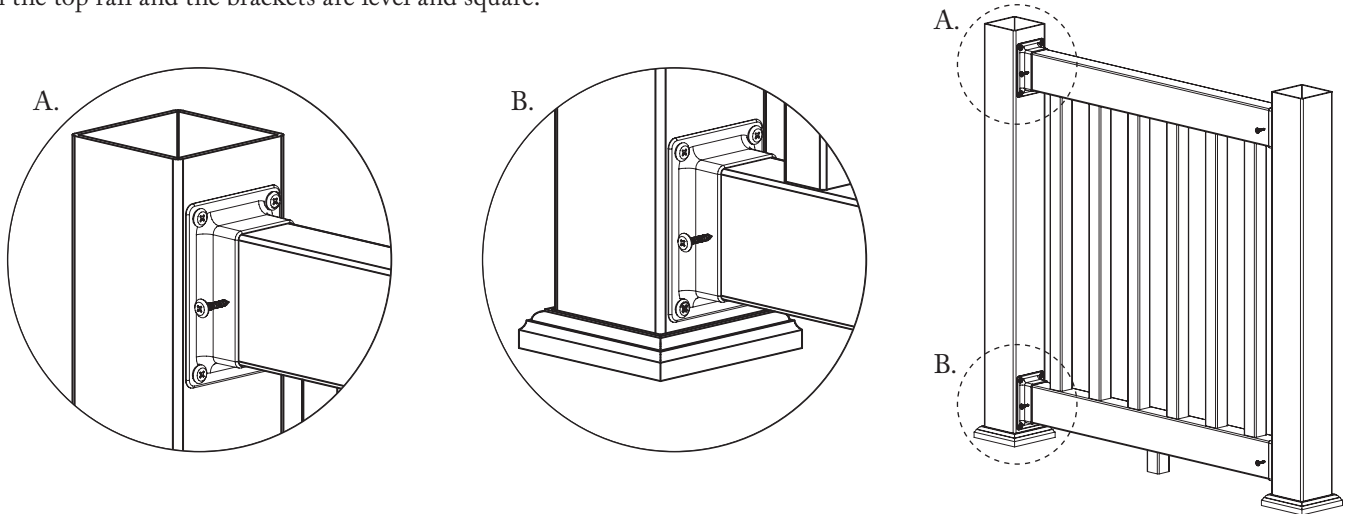
STEP 5. Measure and cut the top rail. Measure the distance between the posts at its respective height, (36" or 42"). If cutting of the top rail is necessary, cut an equal amount off both ends of the rail to maintain uniform baluster spacing between the posts. The 8' and 10' rail kits are provided with an aluminum insert which must be used on any section over 6'. (Rail sections 6' or less may not require the aluminum insert.) Cut the aluminum insert to the appropriate length of the measured top rail. Insert the aluminum in the lower portion of the top rail with the open portion of the aluminum insert facing downward so the balusters can be inserted into the top rail.



STEP 6. Insert the balusters into the top rail. Slide the 2" x 3 1/2" straight brackets onto each end of the top rail. (The flange of the bracket should be towards the outside of the rail.) IF brackets for the bottom rail were cut away for the outside balusters, in Step 2, cut away the inside portion of the 2" x 3 1/2" straight top rail brackets along scored lines. Starting at one end of the rail section, insert the first baluster into the corresponding route of the top rail keeping the opposite end of the rail slightly raised. Press firmly on the top rail for baluster insertion. Continue inserting the balusters until all the balusters are inserted into the top rail.

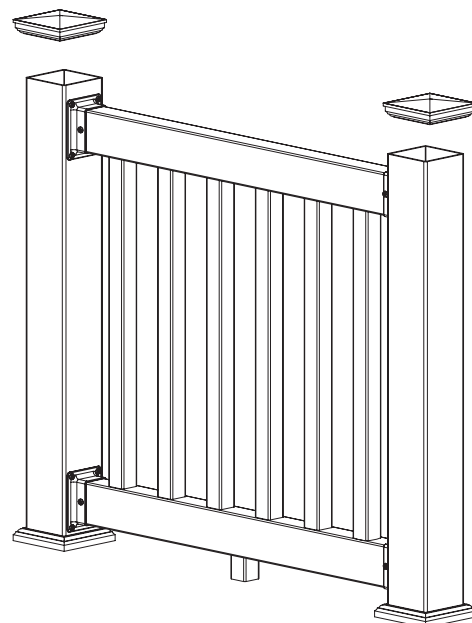


STEP 7. Secure the top Rail. Attach the top rail to the posts using the 1/4" stainless steel screws provided. (The top rail will be either 36" or 42" off the deck surface.) Fasten one screw into one bracket to set the bracket into position. Keeping the top rail level, fasten one screw in the second bracket. Finish securing the brackets to the posts using (4) stainless steel screws per bracket ensuring both the top rail and the brackets are level and square.



STEP 8. Securing the Section. Having secured all the brackets to the posts it is time to plumb the balusters and secure the section into place. Plumb the balusters with the posts by shifting the top and/or bottom rail horizontally between the posts. Using the (4) remaining screws, secure the brackets to the brackets to the top and bottom rails using one screw per bracket. (See illustrations).

STEP 9. Finish the Section. Secure the 4" x 4" post caps onto the post tops by applying PVC adhesive to the internal surfaces of the post caps. Set the caps onto the post tops. Wipe off any excess adhesive.



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