

Riviera Series

(Styles C30, C301, C30R, C301R, C31, C311, C32, C321, C33, C331, C34, C341)
Installation Instructions



These instructions must be followed exactly as written and the materials used must be exactly as shown in the instructions. Any deviation from the instructions or variation in the materials used/installed may result in an unsuccessful installation.

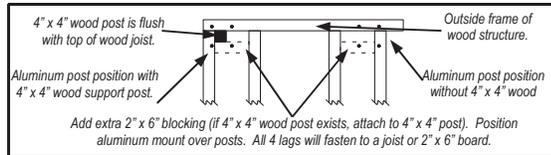
When core drilling any post product where water can build up, the installer is responsible to drill a 1/4" hole as close to the bottom of the post by concrete as possible. If there is no weep hole, you may have damage from moisture build up and freezing thus potentially voiding the powder coating warranty.

Installing Aluminum Post w/Adjustable Plate

NOTE: The installer is responsible to have the substructure strong enough to support the power post for what it is rated for. See CCCR-0163 for rating details.

- Place the (2) stainless steel strips below the plate under the leveling bolts.
- For concrete installation**, fasten aluminum post to concrete using (4) 3/8" x 3" or longer concrete anchors (anchors not included).

For wood surface installation, fasten aluminum post to wood surface using (4) 3/8" x 4" or longer stainless steel lags (lags not included). **WARNING:** When installing the Aluminum Post on top of a wood structure, the 4" lags **MUST** be lagged into at least 3" of solid wood! It will not be strong enough if it is fastened into a 3/4" or a 1 1/2" thick deck board! Below is an example of how to design the wood structure to accept the Aluminum Post. Any other way must meet or exceed these qualifications.

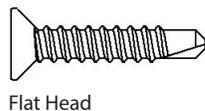
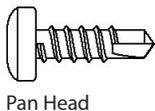


For hollow vinyl decking, When installing an aluminum post on top of a vinyl decking system, an aluminum adapter kit will be needed. The kit consists of (4) 1/4" x 5" stainless steel lags and (4) 1 1/2" aluminum bushings. **Note:** Power Post not tested for installing on top of vinyl decking.

- Use a 1/2" open end wrench to level aluminum post with the leveling bolts on the welded plate. If using 6" post, attach one piece flair.
- Attach caps. Lightly tap with rubber mallet if needed.

Angle (Swivel) Mount

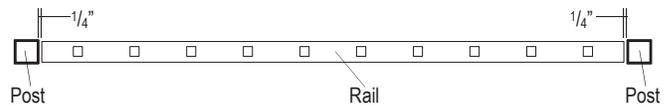
- Position bottom mount base so the bottom of the rail has no more than a 2" clearance. **NOTE:** A 1 3/8" spacer may be placed on the welded 3/8" plate of the post to reach the 2" clearance. Use 1/4" spacer for posts with 1/2" plates.
 - Measure up 27 1/2" (for 36" tall railing) or 33 1/2" (for 42" tall railing) from top of bottom mount to top of mid rail mount. Measure up 5 1/8" from top of midrail mount top of top rail mount.
- Keeping base of mount centered and pin hole turned down, fasten base to post with pan head self-tapping screws (provided).
- Angle swivel mount after mount is installed on post. Measure from back of cup at one end to back of cup at other end to determine rail length. Cut rails.
- Assemble sections as specified in Standard (Level) Railing, steps 5-8.



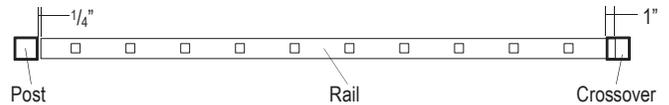
Standard (Level) Railing

NOTE: Top rail is 1" longer on each end to accommodate Crossover Railing.

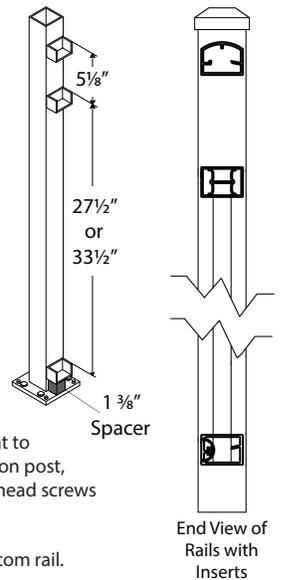
- Cut the rails to length by holding rails against posts. Position so there will be the same spindle spacing on each end of the rails. Mark rails where they are to be cut. **NOTE:** Make sure rail is cut 1/4" shorter on each end to allow for mounts. Cut rails.



Crossover Railing - cut bottom and mid rail same as above. For top rail, make end spacing exactly 1" longer on all ends connecting to the crossover post.



- Attach bottom wall mount to post by positioning the bottom rail so there is no more than a 2" clearance. Keeping mount centered on post, fasten mount to post with self-tapping pan head screws (provided). **NOTE:** A 1 3/8" spacer may be placed on the welded 3/8" plate of the post to reach the 2" clearance. Use 1/4" spacer for posts with 1/2" plates.
- Attach mid rail wall mount to post by measuring up 27 1/2" (for 36" tall railing) or 33 1/2" (for 42" tall railing) from top of bottom mount to top of mid rail mount. Keeping mount centered on post, fasten mount to post with self-tapping pan head screws (provided).
- Attach top wall mount to post by measuring up 5 1/8" from top of mid rail mount to top of top mount. Keeping mount centered on post, fasten mount to post with self-tapping pan head screws (provided).
- Fasten railing support to bottom side of bottom rail. **NOTE:** Applies to 5', 6', 7' & 8' sections only.
- Place bottom rail in mounts and fasten with flat head self-tapping screws provided. Using a rubber mallet, tap spindles into routed holes making sure spindles are seated all the way into the rail. Hold mid rail at an angle above the spindles. Starting at one end, feed first spindle into routed hole on bottom of midrail and tap lightly. Feed remaining spindles into rail, tapping lightly as you move to the other end making sure all spindles are seated against the top rib. Secure mid rail with flat head screws through side of mid rail mounts into mid rail. Snap covers on bottom and mid rail mounts.
- Using a rubber mallet, tap short spindles/rings into top of mid rail. Insert top rail into top mounts by lightly tapping with a rubber mallet. Secure rail with flat head screws through side of mounts into top rail. Snap covers on top rail mounts.
- Attach 2-piece flairs to all posts.



Stair Railing Instructions

Riviera Series

(Styles C30, C301, C30R, C301R, C31, C311, C32, C321, C33, C331, C34, C341)
Installation Instructions ... Cont'd

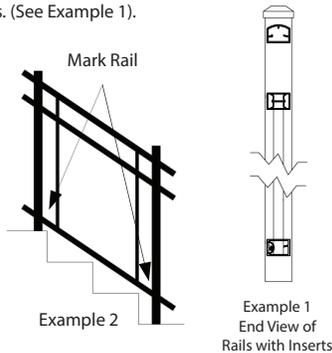


Stair Railing

IMPORTANT: Rails have to be positioned in the correct direction prior to cutting. If rails are not in correct position they may be cut incorrectly and spindles will not line up.

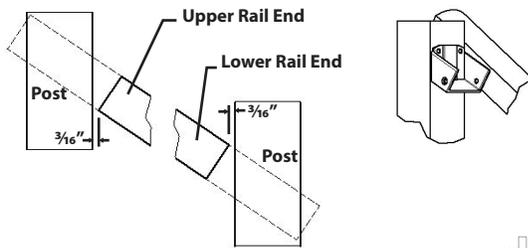
1. Identify top, mid, and bottom stair rails. (See Example 1).

2. Lay bottom rail beside posts with approximately 1" clearance from the nose of the steps (use 1" spacers). Insert a spindle into the last hole on each end. Place mid rail on these spindles. Insert a spindle into (top side of mid rail) the last hole on each end of the mid rail. Place top rail on these spindles.



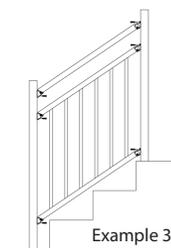
3. Position rails against posts and even the end spacing on each end with pickets parallel to the post (See Example 2). Mark rails for cutting. Cut rails $\frac{3}{16}$ " shorter than the mark on each end. If using 6" post, attach one piece flair

4. **Crossover Railing** - For Crossover Stairs, angle top crossover connector to match the angle of the stair and cut accordingly. Cut bottom and mid rail same as above. For top rail, make sure crossover connector is set at proper angle. Mark rail to cut making sure it fits snug into the crossover connector. *NOTE: Crossover post and connector will need to be installed first to determine what length the rail will be cut. Cut rail.*



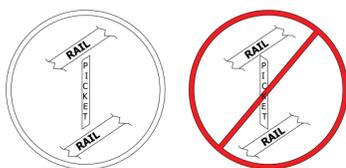
5. Attach mounts to posts with pan head self-tapping screws (provided). Secure rail with flat head screws through side of mounts into bottom rail.

6. Insert spindles into bottom rail. Seat completely into bottom rail by tapping with rubber mallet.



7. Using a rubber mallet, tap short spindles/rings into top of mid rail. Insert top rail into top mounts by lightly tapping with a rubber mallet. Secure rail with flat head screws through side of mounts into top rail. Snap covers on top rail mounts.

8. Hold mid rail at an angle above spindles. Align with mounts. Insert spindles into bottom of mid rail starting at top end and working towards the bottom of stairs. Tap lightly with rubber mallet making sure the spindles are fully seated into rail.



Stair Railing Cont'd

9. Attach top rail to mounts by inserting flat head self-tapping screws (provided) through side of the mounts. Lightly tap mount covers onto mounts. *NOTE: Use caution when installing covers by applying pressure directly on top of the cover tab.*

10. Attach 2-piece flairs to all posts

Stair Swivel Mount

1. Identify top, mid and bottom stair rails, top / mid and bottom swivel mounts.

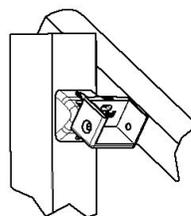
2. Lay bottom rail (with approximately 1" clearance from the nose of the steps) beside the posts. Determine where the end holes will be on each end and place a spindle in those holes. Place mid rail on these spindles. Holding rails against posts, determine end spacing making sure end spacing is even between post and spindles (See Example 1). Clamp rails to post. Hold swivel stair mounts up against posts and beside the rail to determine where rails are to be cut to fit inside the swivel stair mounts. Mark posts for each stair swivel mount position (See Example 4). *NOTE: This will vary depending on angle of stairs. Cut rails. Cut top rail at same length as bottom and mid rail.*

Crossover Railing - Cut bottom and mid rail same as above. For top rail, make sure crossover connector is set at proper angle. Mark rail to cut making sure it fits snug into the crossover connector. *NOTE: Crossover post and connector will need to be installed first to determine what length the rail will be cut. Cut rail.*

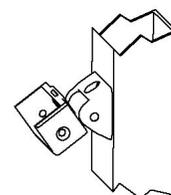
3. Attach bottom swivel mount so the bottom rail has approximately 1" clearance from the nose of the step. *NOTE: A 1" spacer may be placed on the nose of the step to reach the 1" clearance. Fasten mount to post with pan head self-tapping screws (provided).*

4. Attach top and mid swivel mount base to post with pan head self-tapping screws (provided).

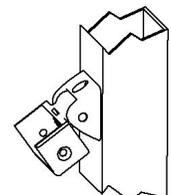
5. Follow steps 6-10 as specified in Stair Railing instructions.



Example 4



Top & Mid Stair Swivel Mount



Bottom Stair Swivel Mount

Video Installation Instructions on YouTube

Scan the link, or visit www.youtube.com/DiggerSpecialtiesInc

