

# Fiberon Inspirations™ Railing

## Line Installation

*Note: Maximum span between posts for Inspirations is 92" for line use, and 68" for stair. DO NOT measure from center of post to center of post.*

1. Secure posts to frame/joist structure according to local building code. If using post sleeves, slide post sleeve onto post.
2. Measure distance between posts at deck surface. Cut composite rails to correct length.
3. Place skirt/cove molding over post sleeve. The skirt/cove molding is not possible to install once rails are assembled.
4. Secure crush block\* support with supplied screw to mid-point of underside of bottom rail (Figure 1).
5. Place the bottom rail brackets\*\* into receiving channel. Secure the bottom rail bracket using a single #10 x 1" DO NOT OVER-TIGHTEN SCREWS. (Figure 2)
6. Fit bottom rail/crush block assembly between the posts, and level. Secure bottom rail to post on each end using a single #10 x 2" self-drilling 5/16" hex-head screw.
7. Place the bottom rail brackets into the receiving channel. Secure the top rail bracket to the top rail using two #10 x 1" self-drilling 5/16" hex-head screws.
8. To mark screw locations on posts for top rail brackets, place a baluster at each end of the lower rail, then position the top rail on top. Transfer the location of the center hole (inverted "U" shape).
9. Remove the top rail, and pre-drill the holes approximately 2" deep. Drive in the 3/8" hex-drive 1/4" screw to within 1/4" of the post.
10. \*\*\*Fit baluster daggers into the bottom rail, then insert balusters into the bottom daggers (Figure 4).
11. Fit daggers into the top rail, then lower the top rail onto the balusters, starting at one end (Figure 5). Move across from one end to the other, making sure the bracket engages the previously inserted 1/4" screws.
12. When complete, push down to fully engage all the baluster daggers.
13. Finish securing top rail by tightening the 3/8" hex-drive screws with a wrench (Figure 6), then driving one #10 x 1" self-drilling screw on either side of them. It is important that one #10 x 1" screw is on the deck side and one on the open side.
14. Place post caps over tops of posts to finish.

## Tips

\*Check code requirements. May require cutting to length.

\*\*Install the brackets to the bottom rail so they are 1/16" back to allow a snug connection at post.

\*\*\* Daggers can be inserted for both 90° and/or 45° degree positioned composite balusters, or 3/4" Fiberon round metal balusters.



Figure 1



Figure 2

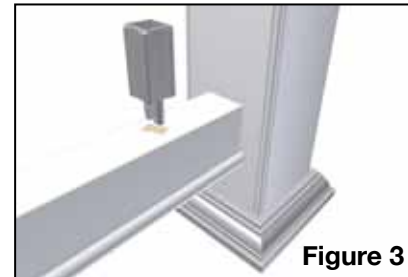


Figure 3

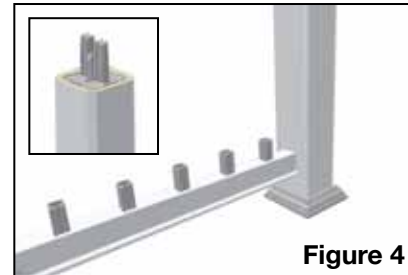


Figure 4



Figure 5



Figure 6

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## Stair Installation

1. Secure posts to frame/joist structure according to local building code. If using post sleeves, slide post sleeve onto post.
2. Install the outside stair stringers just wider than the posts' locations. The posts mounted at the bottom of the stairs will be on the inside of the stringer and will line up directly with the posts at the top of the stairs.
3. Install each post at the bottom of each stair, using a wooden 4"x4" or Surface Post Sleeve Mount.
4. If using post skirts/cove molding, place skirt/cove molding over posts/post sleeve.
5. Mark angles on rail, and cut bottom rail to length. Ensure that the rail fits tightly between the posts.
6. Using the bottom rail as a guide, line up the top rail baluster holes with bottom rail baluster holes. Mark the cut lines on the top rail.
7. Cut top rail to length.
8. Center the hinged bracket on the underside of the bottom rail. Inset the hinged bracket 1/16" from the end of the rail. Secure the bottom hinged bracket with a single #10 x 1" self-drilling 5/16" hex-head screw (Figure 7). Repeat for the opposite end. **DO NOT OVERTIGHTEN SCREWS.**
9. Center the hinged bracket on the underside of the top rail. Repeat step #10 for the top rail using two #10 x 1" self-drilling 5/16" hex-head screws.
10. Insert baluster daggers into the pre-routed holes in the bottom rail (Figure 9). Install balusters into the daggers (Figure 10). Repeat dagger installation into top of balusters. (Note: Alternative daggers will also accept 3/4" Fiberon round metal balusters.)
11. When properly positioned, push down securely to engage all the baluster daggers.
12. Complete assembly by securing top bracket with a two #12 x 2" flat-head screws into each post. Using the brackets as a template, mark the hole positions and predrill using a 1/8" diameter drill bit. Repeat for opposing end (Figure 8).
13. Place post caps over tops of posts (Figure 11).

