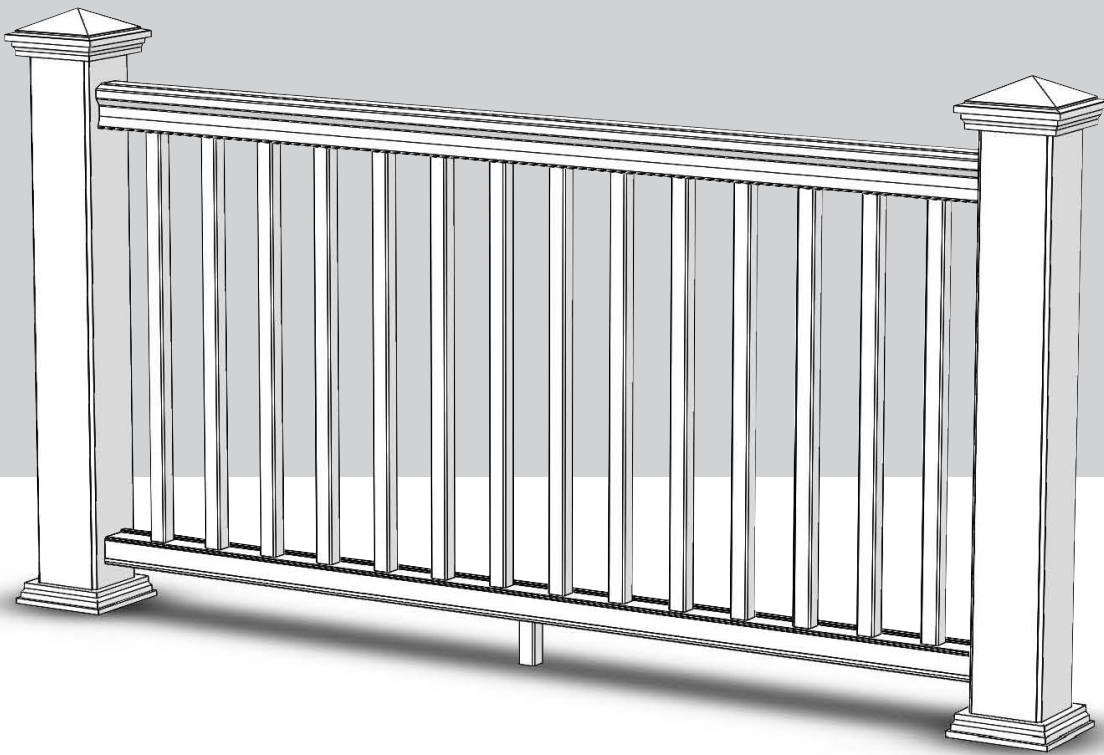


fiberon® HAVENVIEW™ CountrySide

Low-Maintenance Composite Railing

6-ft. and 8-ft.
INSTALLATION INSTRUCTIONS



Manufactured by

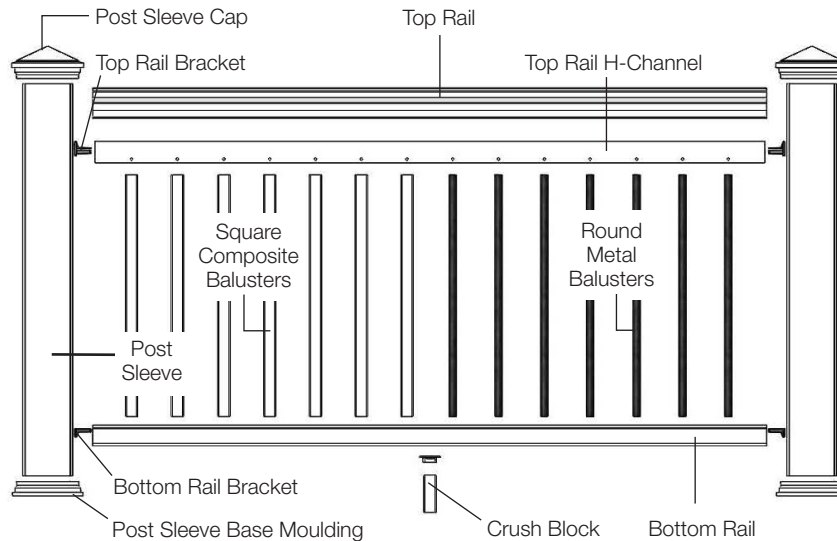
fiberon®

fiberondecking.com
800.573.8841

Railing component list for 6-ft. section:

Maximum length between post sleeves is 67 inches.

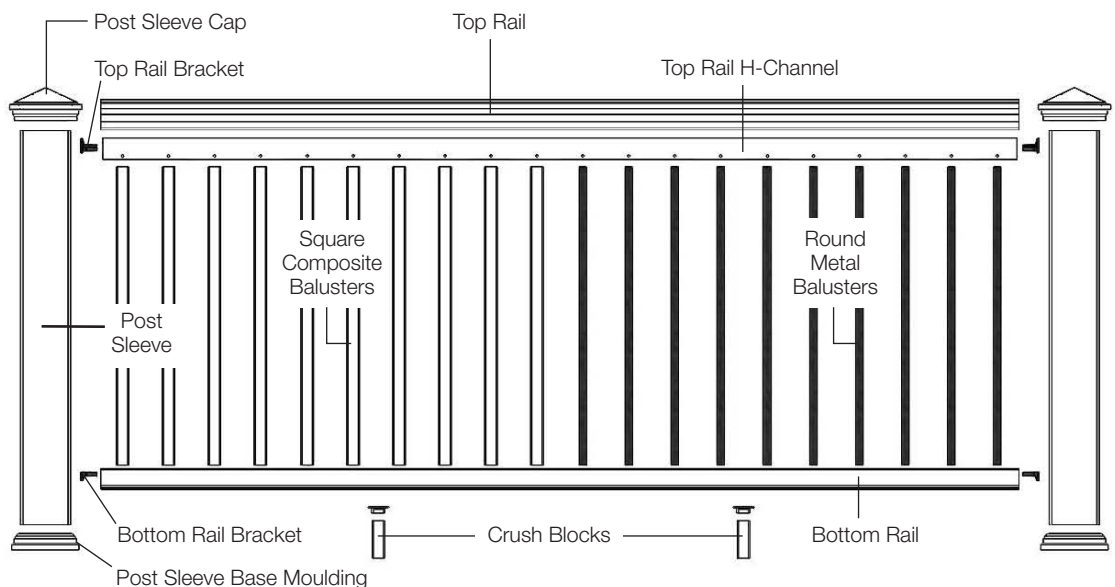
- Top Rail
- Bottom Rail
- H-Channel
- Hardware and Screws
- 14 Balusters
- Crush Block
- Post Caps
- Post Sleeves
- Post Skirt



Railing component list for 8-ft. section:

Maximum length between post sleeves is 91 inches.

- Top Rail
- Bottom Rail
- H-Channel
- Hardware and Screws
- 20 Balusters
- 2 Crush Blocks
- Post Caps
- Post Sleeves
- Post Skirt

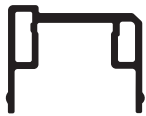


Note: Rail lengths will vary slightly due to manufacturing processes. Ensure rails are cut to correct length with hole pattern centered between posts before securing.

HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Line



Top Rail Profile

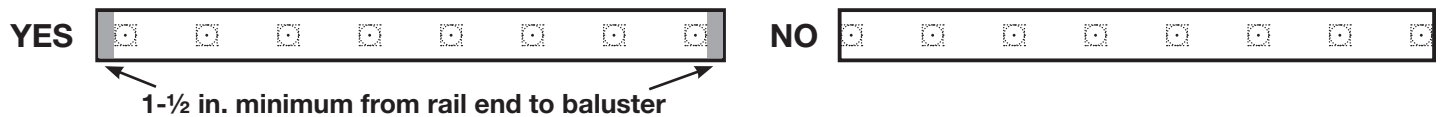


Bottom Rail Profile

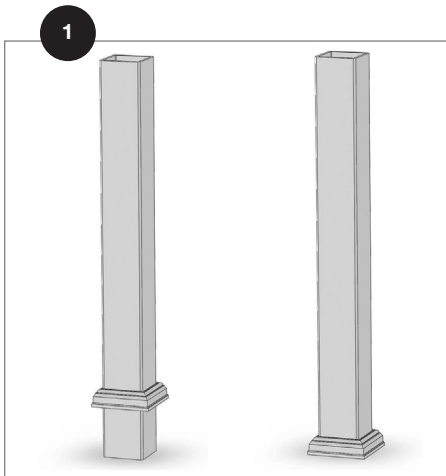
Required Tools and Supplies:

- Power Drill
- Protective Eye Wear
- Tape Measure
- Level
- Speed Square
- Miter Saw
- Pencil
- Adjustable Square

Prior to installing railing: Please consult local zoning laws regarding load requirements and bottom space requirements for rails. All supporting structures must be in accordance with applicable building codes. Neighborhood associations and / or historic districts may regulate size, placement and type of railing. Apply for permits if required by local authorities and codes. Ensure compliance prior to installation. Local building code requirements will always supersede any and all suggested procedures and measurements in the following instructions. The following installation instructions are intended as a general guideline based on common building practices used in railing installation.

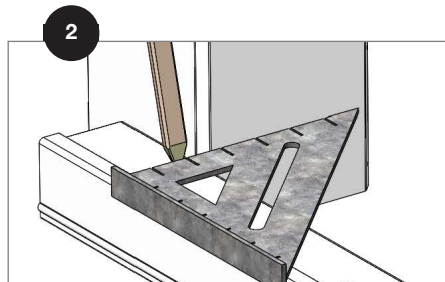


Rail Installation: When top and bottom rail length is greater than the distance between posts, trim both ends of the rail to maintain uniform baluster spacing. It is critical to ensure the trim mark does not interfere with the balusters once installed.



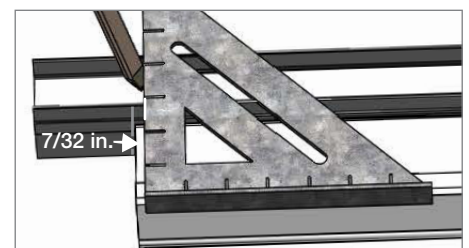
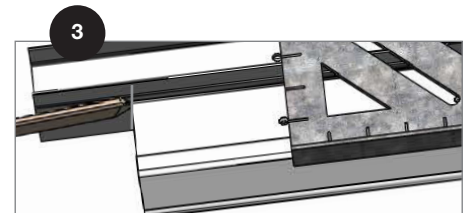
Note: Make sure posts are plumb and level prior to installing the railing.

Cover 4x4 posts or Fiberon surface mount bracket with post sleeve and verify spacing. Posts should be plumb in both directions. Place post sleeve base moulding over post sleeve and slide it down to the deck surface.



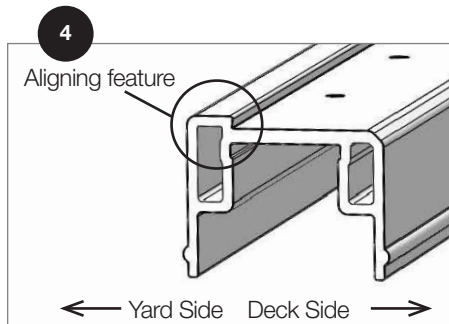
Measure the distance between the posts for the bottom rail. Center the hole pattern, then mark the cutting points. Check for fit.

Center the bottom rail with the top rail. Mark and cut to length.

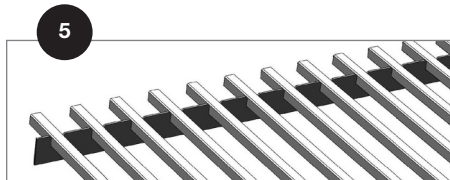


Align the H-bar and the cut bottom rail hole patterns. Mark the length of the bottom rail on the H-bar, then subtract 7/32 in. from that measurement on each end of the H-bar (7/16 in. total to allow for top bracket thickness) and mark. Cut the H-bar and set aside for step 7.

HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Line



Ensure that the bottom rail is positioned correctly prior to installation. The bottom rail has an aligning feature on the top, which should be on the yard side of the rail opposite to the deck side.

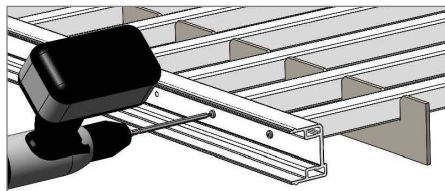
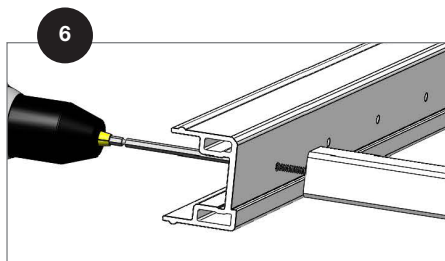


Square Composite Balusters: Measure and trim all balusters to the required length.

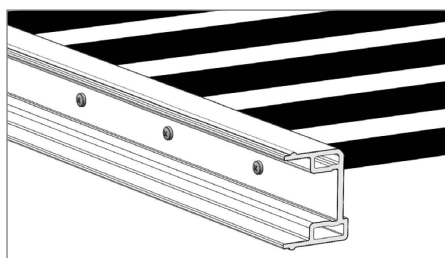
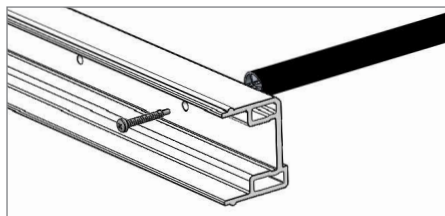
Remove the baluster guide from the railing box, place on a flat surface and insert the balusters into the precut slots.

Note: Square composite baluster lengths will vary slightly due to manufacturing processes. Ensure balusters are cut to uniform length.

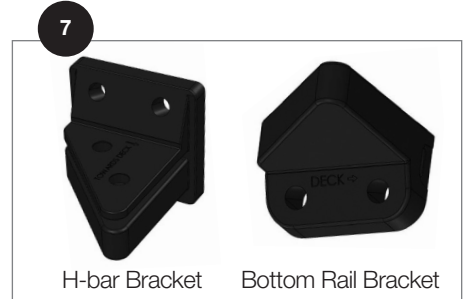
Note: Round metal balusters do not require trimming.



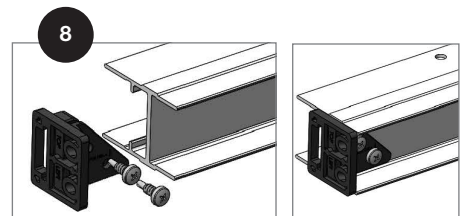
Square Composite Balusters: Align the bottom rail with the balusters on the same end as the baluster guide. Hold square balusters securely against the aligning feature on the bottom rail and secure the balusters to the bottom rail with the supplied #10 x 1-½-in. screws. Do not overtighten.



Round Metal Balusters: Align baluster with predrilled holes in bottom rail. Insert supplied #10 x 1-½-in. screw through hole and into the center ("X") of the fins inside of the baluster. Do not overtighten.

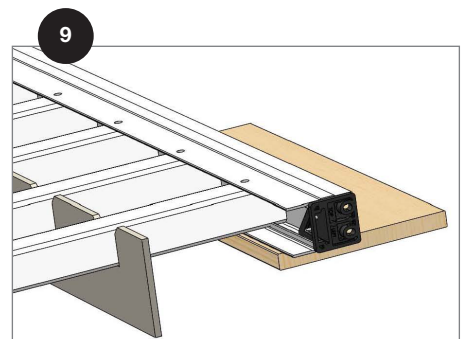


Ensure that the brackets are positioned correctly prior to installation. The brackets indicate which side will be facing the decking.



Fully insert top brackets into both ends of the aluminum H-bar with the arrow pointing upward.

Using integrated screw template, secure with self-drilling #10 x 5/8-in. screws. Do not overtighten.

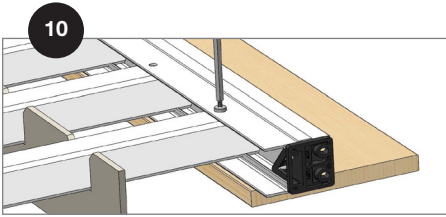


Align the aluminum H-bar with the balusters with the side holes facing upward.

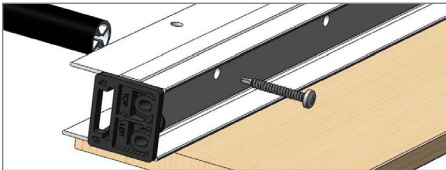
Square Composite Balusters: Slide the baluster guide to the opposite end of the balusters. Insert the top of the balusters fully into the channel of the aluminum H-bar rail.

Note: When securing composite or metal balusters, shim the H-bar with a 1/2-in.-5/8 in. spacer to help ensure balusters remain perpendicular to the H-bar.

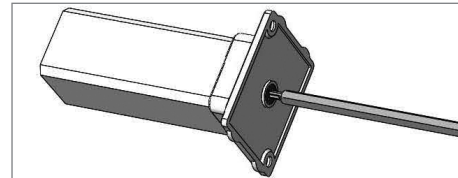
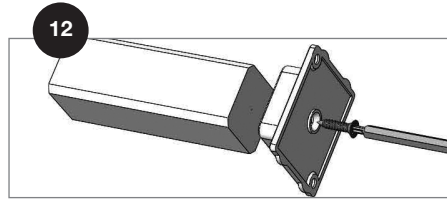
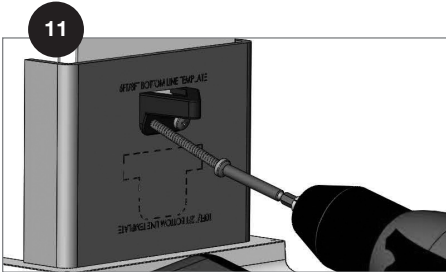
HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Line



Square Composite Balusters: Position the top of the balusters tightly against the inside of the top H-bar. Center the balusters under the side-mounting screw holes. Working from one end to the other, secure each baluster using the supplied #8 x 1-½-in. flat head screws. Do not overtighten.

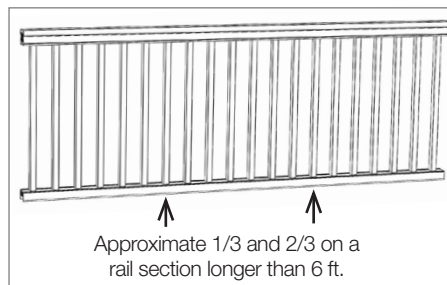
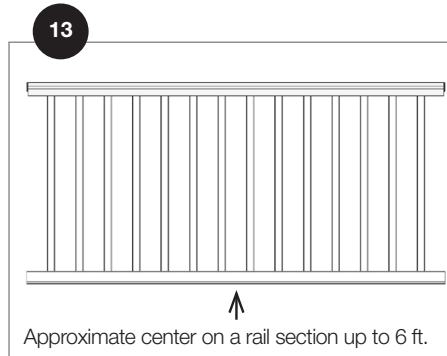


Round Metal Balusters: Insert supplied #10 x 1-½-in. screw through holes in the H-bar, and into the center ("X") of the fins inside of the baluster. Drive until secure. Do not overtighten.



Dry fit, measure and trim crush block to the required final length. Secure crush block to holder using supplied flat head screw.

Note: When using the bracket template, a 3-¾-in. tall crush block is required. The screw will be off-center in the crush block.



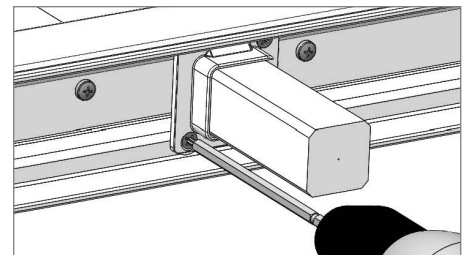
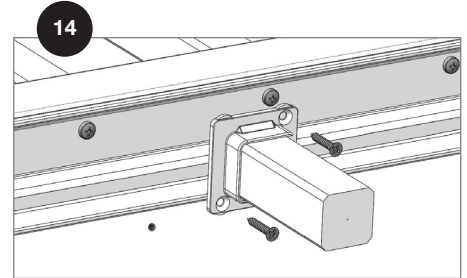
For 6-ft. rail sections, position the crush block and holder inside the bottom rail at the approximate center point.

For 8-ft. rail sections, position the two crush blocks and holders inside the bottom rail at the approximate 1/3 and 2/3 points.

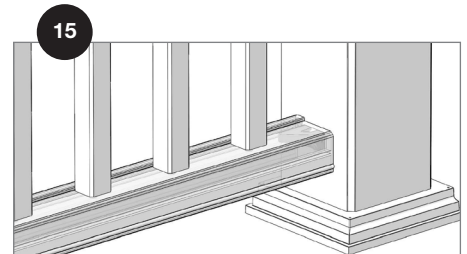
Locate the HavenView CountrySide bottom line bracket template (included on the post sleeve carton and inside the rail kit box).

Using the bottom bracket template, position and secure bottom brackets using the supplied #10 x 2-½-in. screws, ensuring the bracket is positioned correctly (see step 7).

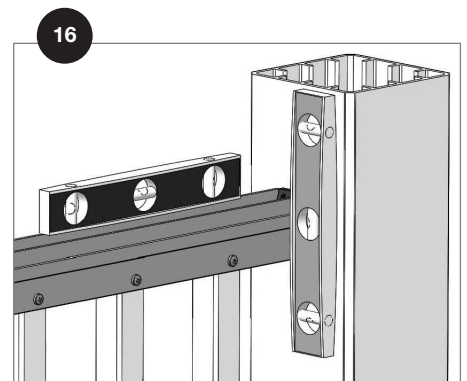
The template will create a 3-in. gap under the bottom rail.



Pre-drill the two holes with a 1/8-in. bit, taking care not to drill through the top of the bottom rail. Secure with the supplied flat head screws. Do not overtighten.

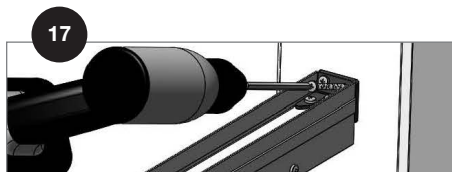


Carefully position the pre-assembled railing infill between the posts, then slowly lower over the bottom brackets until fully seated.

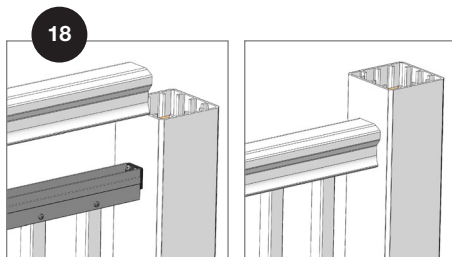


Center the H-bar on the post and check rail for plumb.

HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Line (cont.)



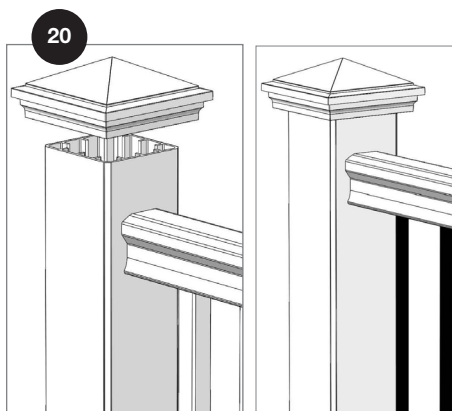
Secure the top brackets with the supplied #10 x 2-½-in. screws.



Position the top rail over the infill assembly and carefully lower into place.

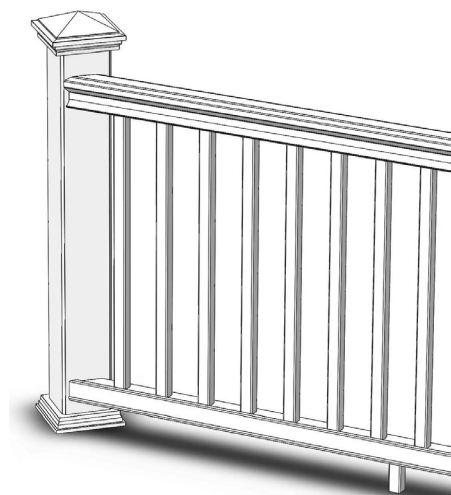


Using supplied 1-½-in. screws, secure the top rail starting as close to the post as possible. Space the remaining screws evenly.



Complete the assembly by gluing the post caps in place with a quality exterior-grade adhesive.

HavenView™ CountrySide Installation Instructions - Angled Line

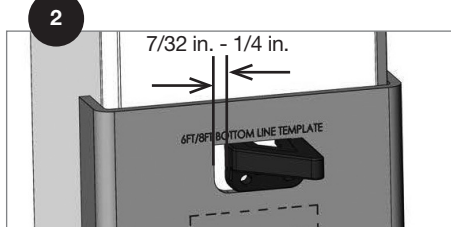


Note: Angled installations require a minimum 5x5 post.



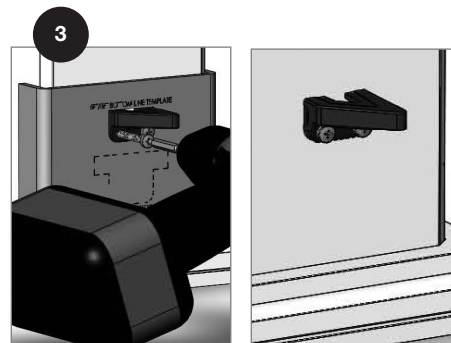
For angled line installation, the line brackets must be installed with the angled edge on the deck side of the railing.

Note: This is opposite of what is indicated on the line bracket for basic line railing installation.

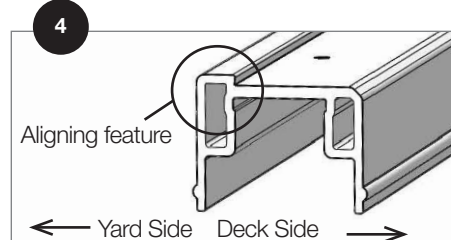


The template can still be used to locate the height of the line bracket. The side-to-side alignment needs to be approximately 7/32-in.-1/4-in. off-centered from the deck side of the railing for a full 45-degree installation.

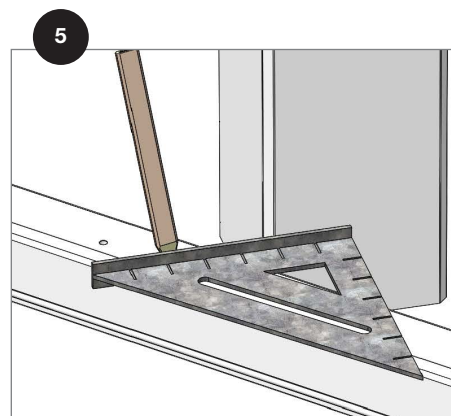
Note: If the bracket is not offset slightly, the top rail may overhang the corner post face and extend into the corner chamfer.



Secure with supplied #10 x 2-½-in. self-drilling screws. Do not overtighten.

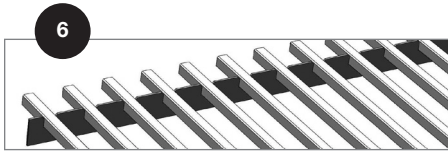


Ensure that the bottom rail is positioned correctly prior to cutting the bottom rail angle for installation. The bottom rail has an aligning feature on the top, which should be on the yard side of the rail opposite to the deck side.



Center the hole pattern in the bottom rail between the posts. Transfer length and angle to the top rail and cut both top and bottom rails. When aligning the hole pattern, transferring length and cutting angles on the H-bar, remember to subtract 7/32 in. from each end to allow for top brackets.

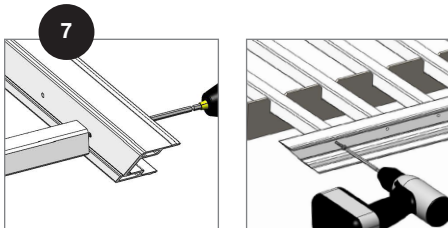
HavenView™ CountrySide Installation Instructions - Angled Line



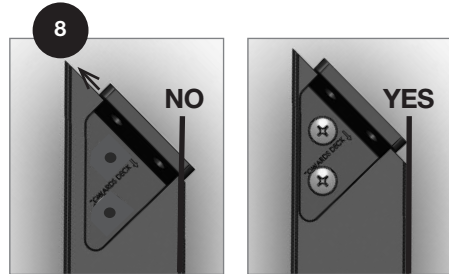
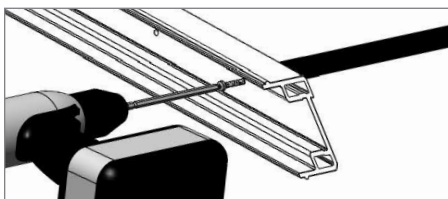
Square Composite Balusters: Measure and trim all balusters to the required length. Remove the baluster guide from the railing box. Place on a flat surface and insert the balusters into the precut slots.

Note: Square composite baluster lengths will vary slightly due to manufacturing processes. Ensure balusters are cut to uniform length.

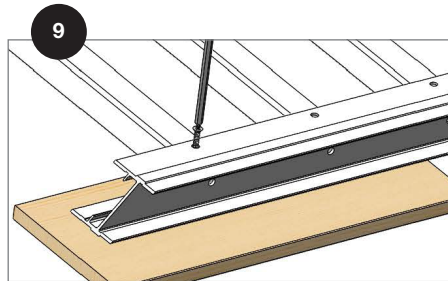
Note: Round metal balusters do not require trimming.



Square Composite Balusters: Align the bottom rail with the balusters on the same end as the baluster guide. Hold square balusters securely against the aligning feature on the bottom rail and secure the balusters to the bottom rail with the supplied #10 x 1-1/2-in. screws. Do not overtighten.

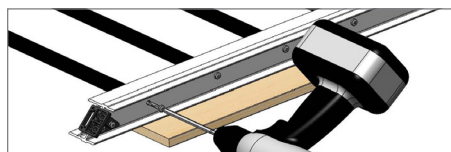
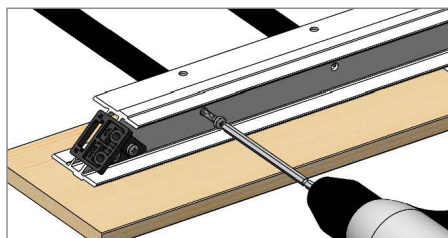


Insert top brackets into the cavity of the aluminum H-bar, ensuring that the top bracket is located within the boundaries of the H-bar. If the bracket is outside of the boundaries, the top rail will not fit over the H-bar and bracket. Secure with the supplied #10 x 5/8-in. self-drilling screws.



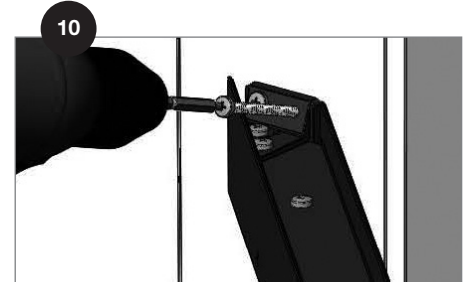
Square Composite Balusters: Position the top of the balusters tightly against the inside of the top H-bar. Center the balusters under the side-mounting screw holes. Working from one end to the other, secure each baluster using the supplied #8 x 1-1/2-in. flat-head screws. Do not overtighten.

Note: The screws should penetrate fully through the baluster.



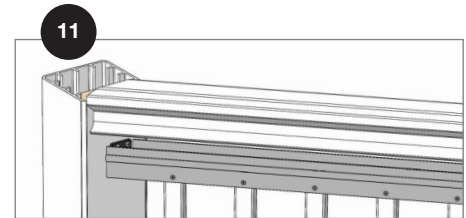
Round Metal Balusters: Align baluster with predrilled holes in bottom rail. Insert supplied #10 x 1-1/2-in. screw through hole and into the center ("X") of the fins inside of the baluster. Do not overtighten.

Round Metal Balusters: Insert supplied #10 x 1-1/2-in. screw through holes in the H-bar, and into the center ("X") of the fins inside of the baluster. Drive until secure. Do not overtighten.



Assemble and attach the crush block following standard line railing instructions.

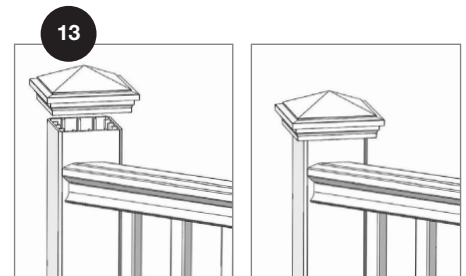
Position the assembled infill over the bottom brackets and carefully lower into place and secure the top brackets with the supplied #10 x 2-1/2-in. screws.



Position the top rail over the infill assembly, and carefully lower into place.

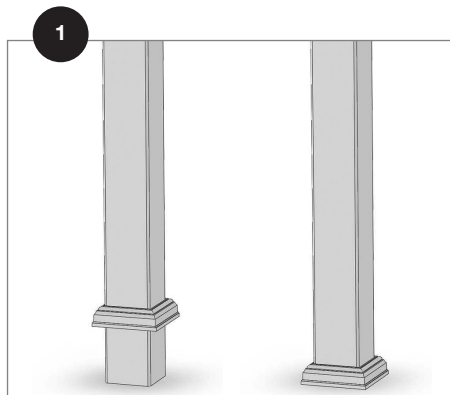
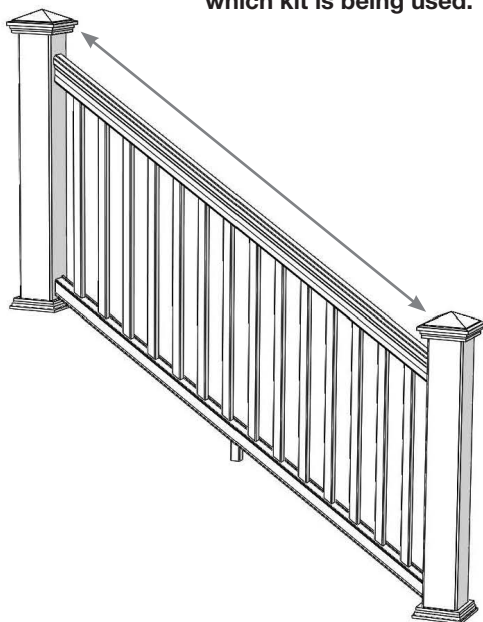


Using supplied 1-1/2-in. screws, secure the top rail starting as close to the post as possible. Space the remaining screws evenly.

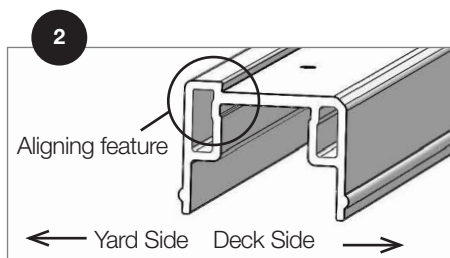


Complete the assembly by gluing the post caps in place with a quality exterior-grade adhesive.

The maximum length between post sleeves measured in line with the guardrail cannot exceed 5 in. short of full length, depending on which kit is being used.



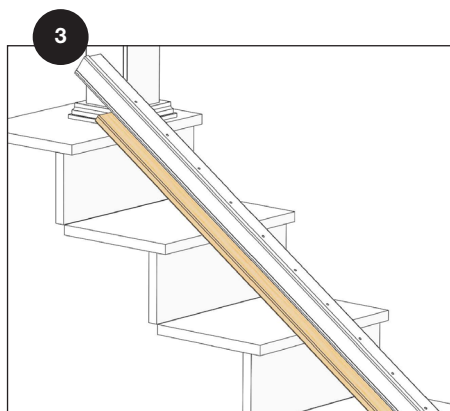
Cover 4x4 posts or Fibron® surface mount bracket with post sleeve and verify spacing. Posts should be plumb in both directions. Place post sleeve base moulding over post sleeve and slide it down to the deck surface.



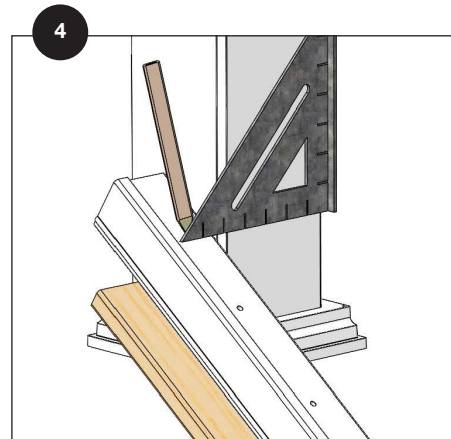
Building codes are very specific on allowable angles and widths. It is very important to consult with your local building code officials and plan your stair layout accordingly. Leave adequate space for graspable hand rail if applicable.

Note: The slope of the stairs can be 30-37 degrees.

Note: Rail lengths will vary slightly due to manufacturing processes. Make sure rails are cut to correct length.



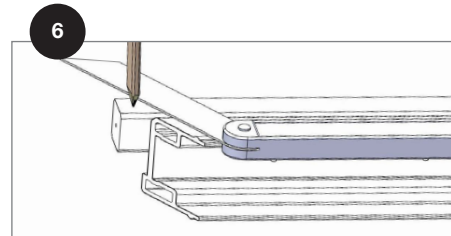
To establish the stair angle, use a 1x4 or similar support to bridge at least three stairs. Place the bottom rail between the stair posts.



Center the hole pattern between the posts, allowing a minimum 1-5/8-in. from rail end to routed baluster holes.



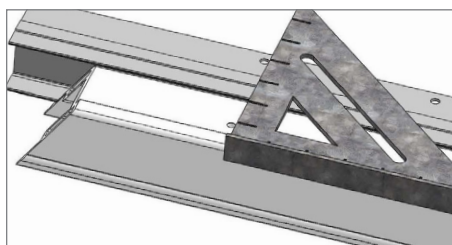
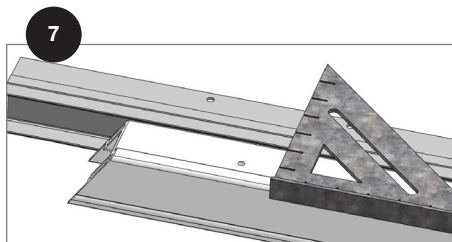
Transfer the stair angle to both ends of the bottom rail and cut to the required length and angle. Test for a snug fit and make corrections as needed.



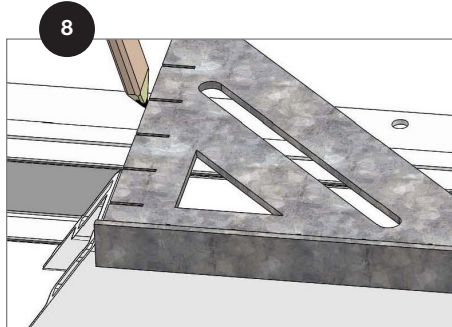
Square Composite Balusters: Transfer the stair angle to the balusters, and cut the balusters to desired length.

Note: Round metal balusters are pre-cut on one end. If a custom angle is required, cut the factory angled end, leaving the square end as is. This will allow proper seating when securing the top of the balusters later in the installation.

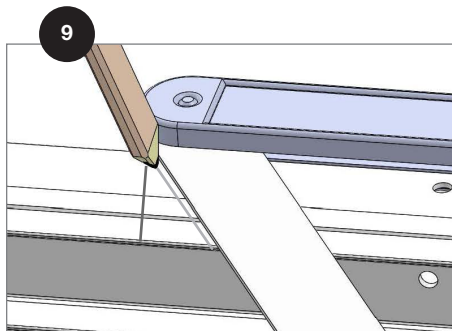
HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Stair



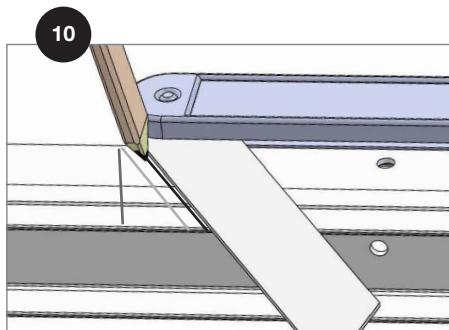
To cut the H-bar, first place the H-bar on its side with the holes nearest to the cut bottom rail. The bottom rail should be top side up. Align the hole pattern with the cut bottom rail.



Transfer the length of the cut bottom rail to the H-bar.



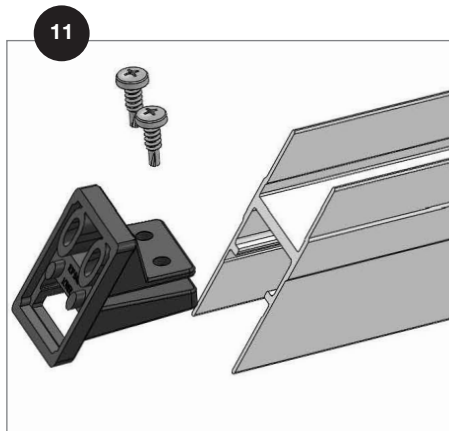
Scribe the stair angle to the side of the H-bar at both ends.



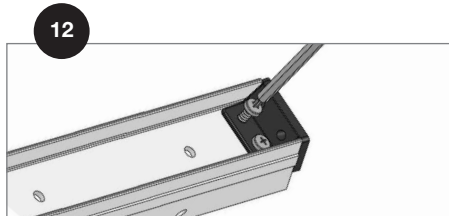
The total length of the H-bar will be 7/16 in. shorter than the cut bottom rail.

Scribe a second line 7/32 in. inside the first at both ends.

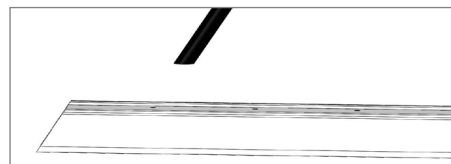
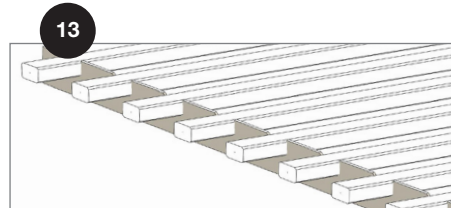
Note: This allows for the thickness of the upper bracket.



Position the top brackets into the H-bar, ensuring that they are inserted completely.

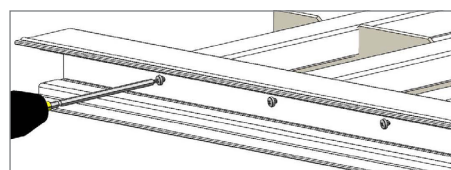
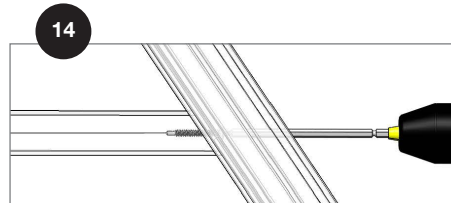


Secure the top brackets to the H-bar using two 5/8-in. self-drilling pan head screws. Do not overtighten.



Square Composite Balusters: Remove the baluster guide from the rail box. Place on a flat surface and insert the balusters into the precut slots.

Round Metal Balusters: Place cut bottom rail on a flat level surface. Align the cut end of the round metal baluster with the top surface of the bottom rail.



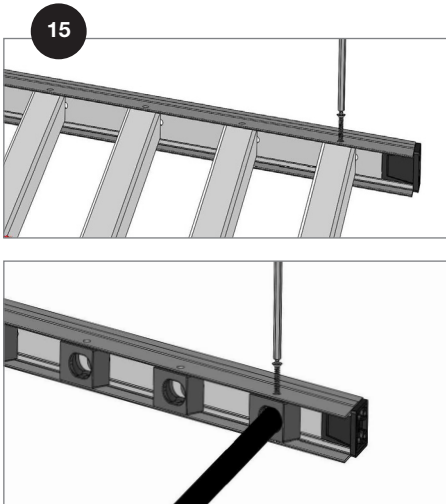
Square Composite Balusters: Align the end baluster with the predrilled hole in the bottom rail. Secure the balusters using the supplied #10 x 1-1/2-in. screws.

Hold each square composite baluster securely against the aligning feature and drive screws parallel with the balusters, not perpendicular to the bottom rail. Do not overtighten.

Round Metal Balusters: Insert the screw into the center "X" of the end baluster. It may be necessary to slightly over drill the factory-drilled holes by rocking the moving bit parallel with the direction of the rail. Do not overtighten.

Continue working from one end until all the balusters are secured into the bottom rail.

HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Stair



Note: It is important to ensure balusters are level when securing. Shim the H-bar with a 1/2-in.-5/8-in. spacer to ensure the balusters remain fully inserted when securing.

Square Composite Balusters: Move the baluster guide to the top rail end of the square composite balusters.

Position the top of the balusters tightly against the inside of the top H-bar. Center the balusters under the side-mounting screw holes. Working from one end to the other, secure each baluster using the supplied #8 x 1-1/2-in. flat-head screws. Do not overtighten.

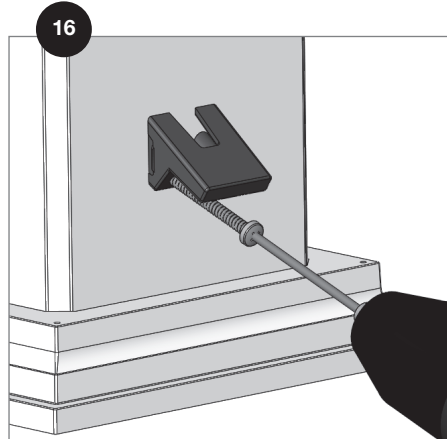
Note: The screws should penetrate fully through the baluster.

Secure the remaining balusters working to the other end. Do not overtighten.

Round Metal Balusters: Insert the round baluster holders into the aluminum H-bar, ensuring that the angled hole is oriented correctly and that the through hole aligns with the side holes in the H-bar.

Fully seat all balusters into the holders. Secure an end baluster first, using the supplied #8 x 1-1/2-in. flat-head self-drilling screws through the H-bar side holes.

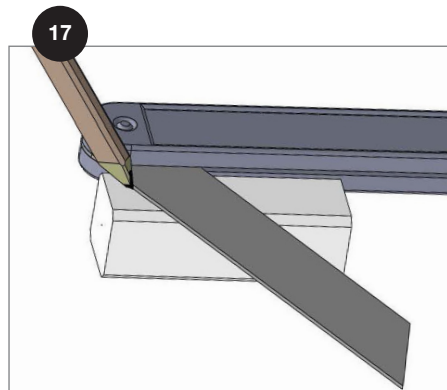
Pivot the H-bar toward the remaining balusters, inserting them into the holders. Start from the secured end and work to the other end. Secure the remaining end baluster, and then the remaining infill balusters.



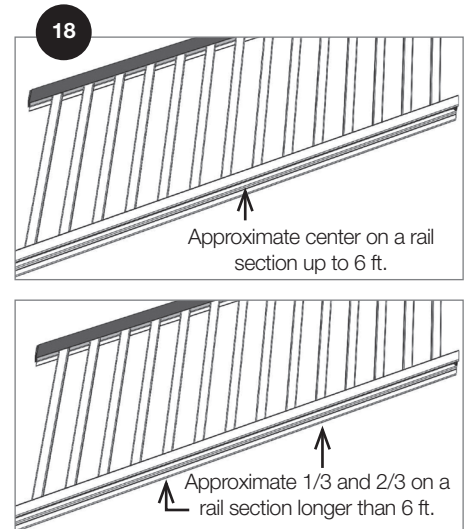
Dry fit the assembled section and use the bottom rail to scribe a light line on the post to determine the location of the bottom rail bracket.

Note: For best results, predrill bracket holes on post with a 1/8-in.-5/32-in. bit to ensure accurate screw placement and full insertion, particularly as the stair angle increases.

Secure the bottom stair brackets to the post using the supplied #10 x 2-1/2-in. at the desired height. Do not overtighten.

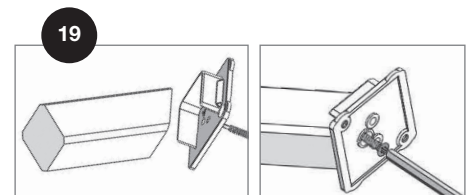


Before assembling the crush block, transfer the stair angle to the end of the crush block, dry fit and cut to fit.



For 6-ft. rail sections, position the crush block and holder inside the bottom rail at the approximate center point.

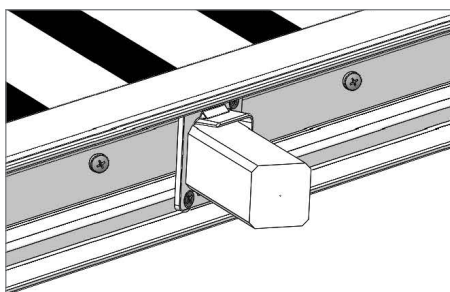
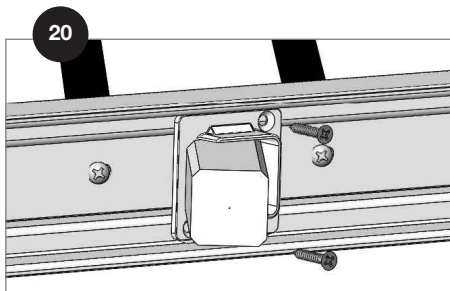
For 8-ft. rail sections, position the two crush blocks and holders inside the bottom rail at the approximate 1/3 and 2/3 points.



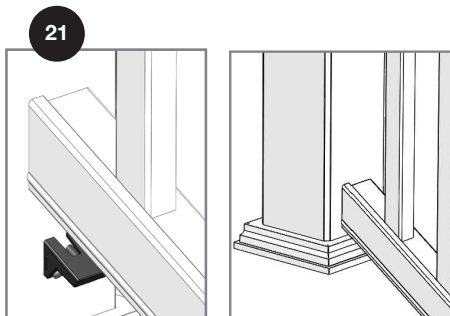
Secure crush block to crush block holder using a supplied #8 flat-head screw. Do not overtighten.

Note: The screw will be off-center in the crush block.

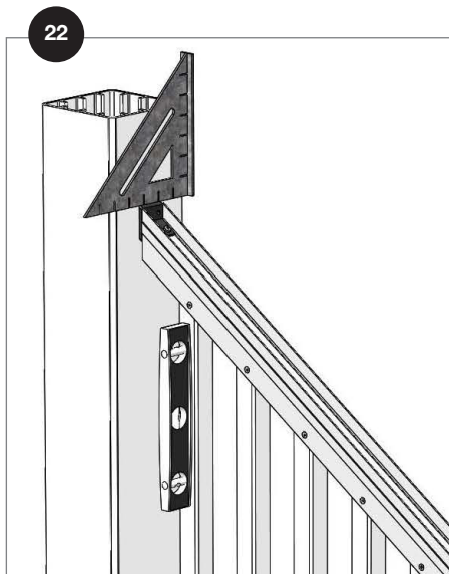
HavenView™ CountrySide Installation Instructions - 6-ft. and 8-ft. Stair



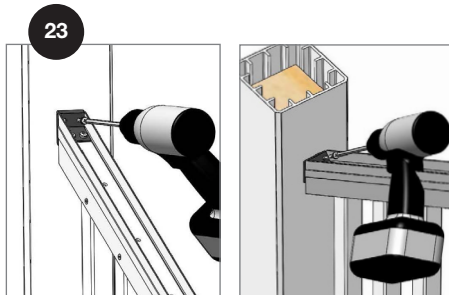
Position the crush block and holder into the bottom rail, and locate the two screw holes. Remove the holder and pre-drill using a 1/8-in. drill bit. Reposition the crush block and holder, and secure with the supplied #8 x 1-in. screws. Do not overtighten.



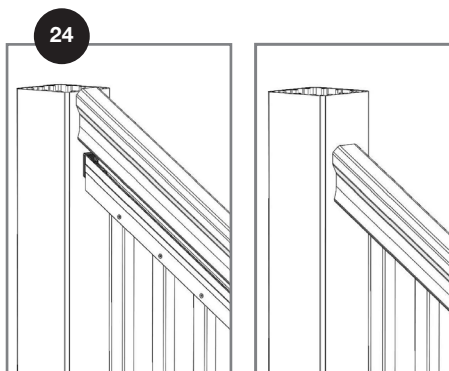
Carefully position the pre-assembled railing infill between the posts, then slowly lower over the bottom brackets until fully seated.



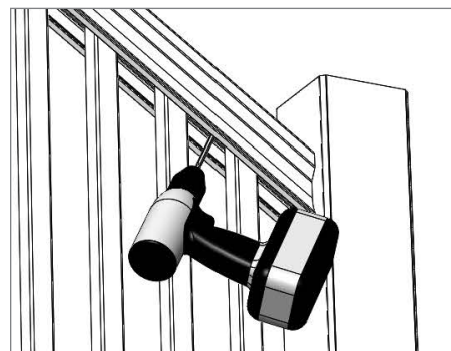
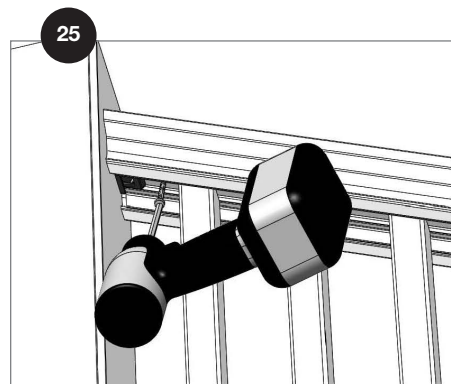
Center the H-bar on the post and check rail for plumb.



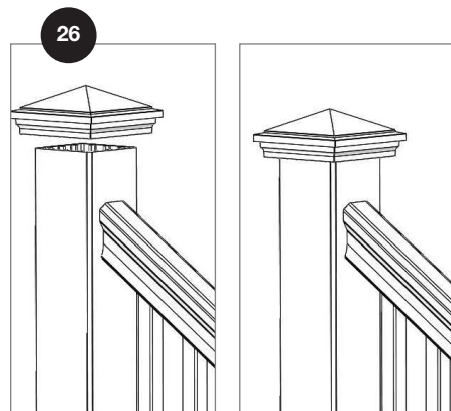
Starting at the top, secure the H-bar to the posts at both ends using the supplied #10 x 2-1/2-in. self-drilling pan head screws. Do not overtighten.



Position the top rail over the infill assembly, and carefully lower into place.



Using supplied 1-1/2-in. screws, secure the top rail starting as close to the post as possible. Space the remaining screws evenly.



Complete the assembly by gluing the post caps in place with a quality exterior-grade adhesive.

Design Grid

