

# FLAT RAIL CAP

FOR CHESAPEAKE SERIES  
ALUMINUM RAILING



# KEYLINK

## INSTALLATION GUIDE



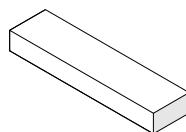
### RECOMMENDED TOOLS

- Safety Glasses
- Tape Measure & Pencil
- Level
- Power Drill w/ #2 Square drive bit
- Drill Bits (1/8", 3/16")
- Saw w/fine-tooth aluminum cutting blade
- Rubber mallet

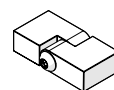
### WHAT'S INCLUDED

- (2) 17' Chesapeake Aluminum Flat Rail Cap
- (72) #8 x 1/2" Self Drilling Pan Head Screws

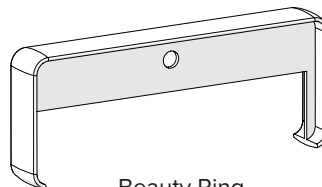
### OPTIONAL ACCESSORIES



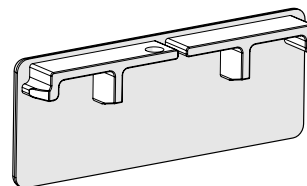
Level Alignment Block



Stair Alignment Block



Beauty Ring



End Cap

# 1 INSTALL CHESAPEAKE ALUMINUM FLAT RAIL CAP

Using the supplied #8 x 1/2" pan head screws, fasten the Chesapeake Aluminum Flat Rail Cap to the top rail from beneath. The predrilled holes of the top rail help guide and space the screws evenly.

To terminate a run of the Aluminum Flat Rail Cap, install an End Cap by press-fitting it with a rubber mallet.

## ! OPTIONAL ALIGNMENT BLOCKS AND BEAUTY RING

### LINE CONNECTION

Fasten the first section of the Aluminum Flat Rail Cap to the top rail.

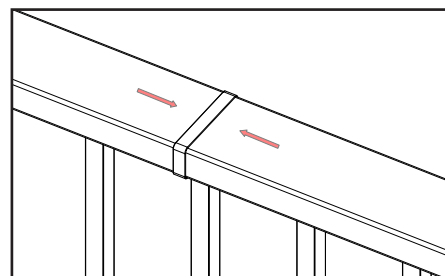
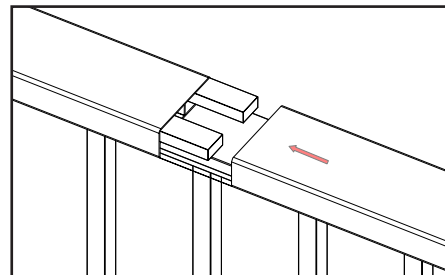
If using Level Alignment Blocks, insert them halfway into each of the open cavities, making sure the Alignment Blocks are oriented parallel to the Aluminum Flat Rail Cap and are as close to the outside as possible.

Secure with fasteners from beneath. Make sure to first pre-drill a 1/8" pilot hole into the Alignment Block material.

Align the second section of the Aluminum Flat Rail Cap to the pre-installed Level Alignment Blocks and push together until flush, using a rubber mallet from the other end if necessary.

Secure the second section with fasteners, mirroring the first section.

**!** If using a Beauty Ring, simply press-fit the Beauty Ring to one section first and then connect the second using a rubber mallet. Secure the second section with fasteners, mirroring the first section.



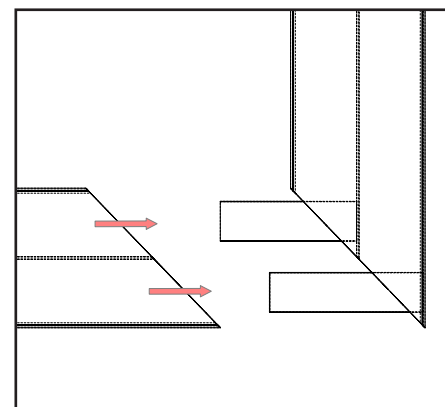
### LEVEL CORNER CONNECTION

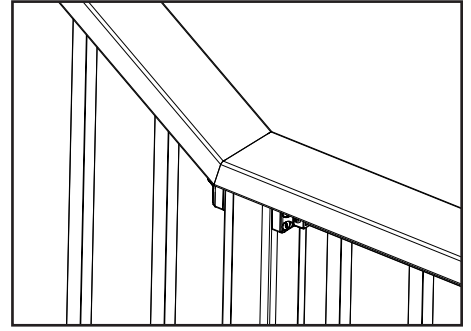
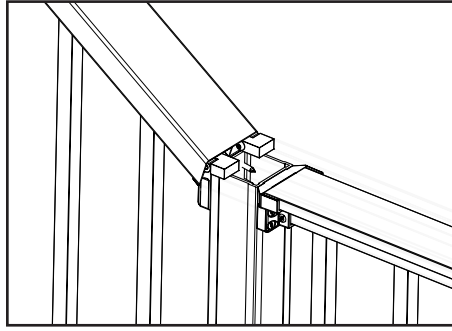
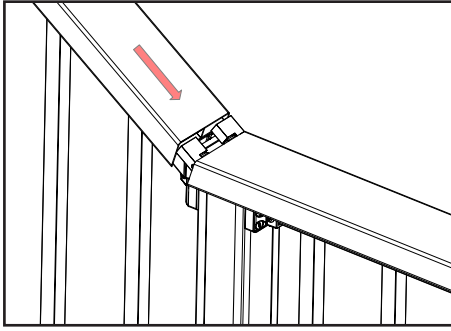
Cut the ends of each rail at an angle to make a miter joint.

Insert the Level Alignment Blocks into each of the open cavities, butting up the end of each block to a wall. Fasten the blocks from beneath, making sure the head of the screw sits in the cavity made by the post. Make sure to first pre-drill a 1/8" pilot hole into the Alignment Block material.

Align the second section of the Aluminum Flat Rail Cap to the pre-installed Level Alignment Blocks and push together until flush, using a rubber mallet from the other end if necessary.

Secure the second section with fasteners.





## STAIR CONNECTION

Cut the ends of each rail at an angle to make a miter joint.

Fasten the level section of the Aluminum Flat Rail Cap to the top rail first.

Insert Stair Alignment Blocks halfway into each of the open cavities, making sure the Alignment Blocks are oriented parallel to the Aluminum Flat Rail Cap and are as close to the outside as possible.

Bend the joints to the appropriate angle.

Align the stair section of the Aluminum Flat Rail Cap to the pre-installed Stair Alignment Blocks and push together until flush, using a rubber mallet from the other end if necessary.

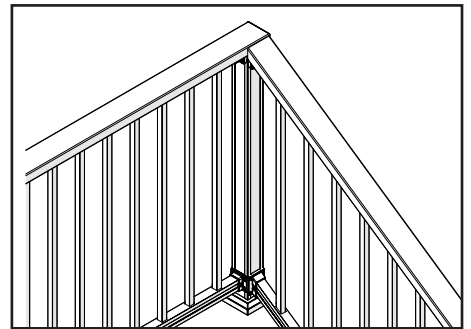
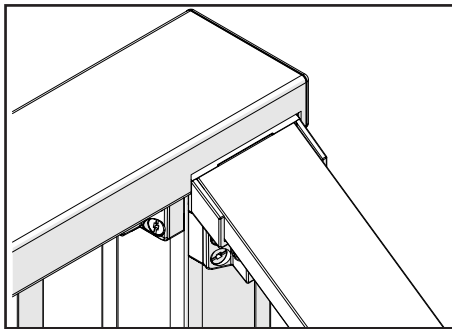
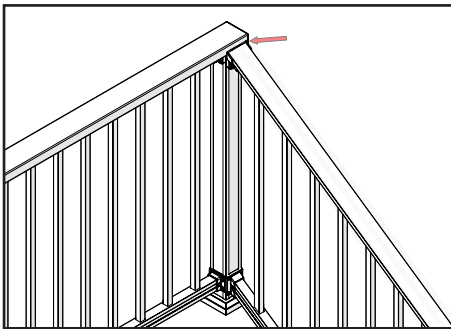
Secure the stair section with fasteners.



## LEVEL TO STAIR INSTALLATION

When attaching a stair section to a level section in a corner scenario, it may be necessary to make a small cutout in the side of the Aluminum Flat Rail Cap to get the appropriate stair rail height.

Cut about 1/2" of material, as wide as the stair bracket, from the side of the rail. This will allow the stair bracket to sit at the proper height for the stair rail.

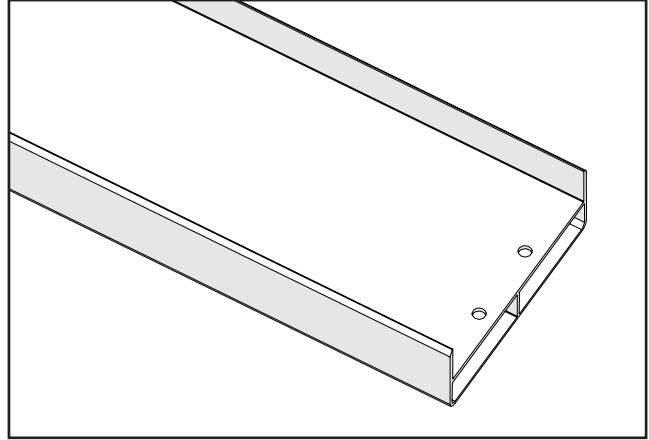
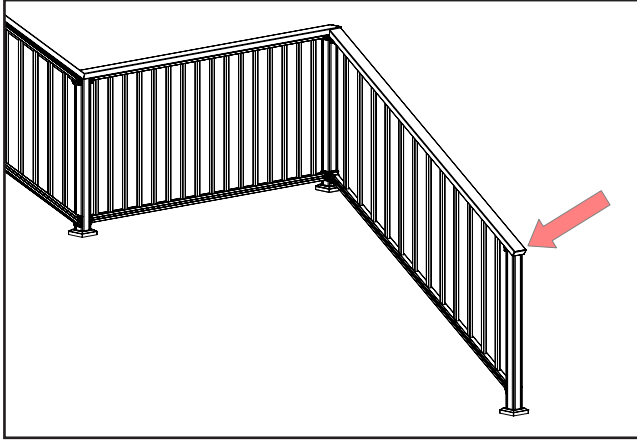




## OPTIONAL DRILLING WEEP HOLES

In the case of a terminating stair section, you may drill weep holes at the lower end of the Aluminum Flat Rail Cap to allow any trapped water to escape.

Using a 3/16" drill bit, drill (2) evenly spaced holes 1/4" from the edge of the Aluminum Flat Rail Cap.



**TIP:** If there are any exposed aluminum surfaces from alterations made in the field, please use Key-Link's touch up paint to cover these surfaces.

1. These directions are only a guide and may not address every situation.
2. Always wear proper safety equipment while assembling and installing.
3. The installer should obtain all required building permits and follow all installation procedures in accordance with applicable building code requirements.
4. Keylink shall not be held liable for improper or unsafe installations.
5. Applying paint, other than Keylink's touch up paint, will void your warranty.
6. To ensure proper coverage by our warranty please visit our website and complete the warranty form and mail to: Keylink, 110 Peters Road, New Holland, PA 17557



**WARNING:** This product can expose you to chemicals including Quartz (crystalline silica), which is known to the State of California to cause cancer, and Hexavalent Chromium, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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