

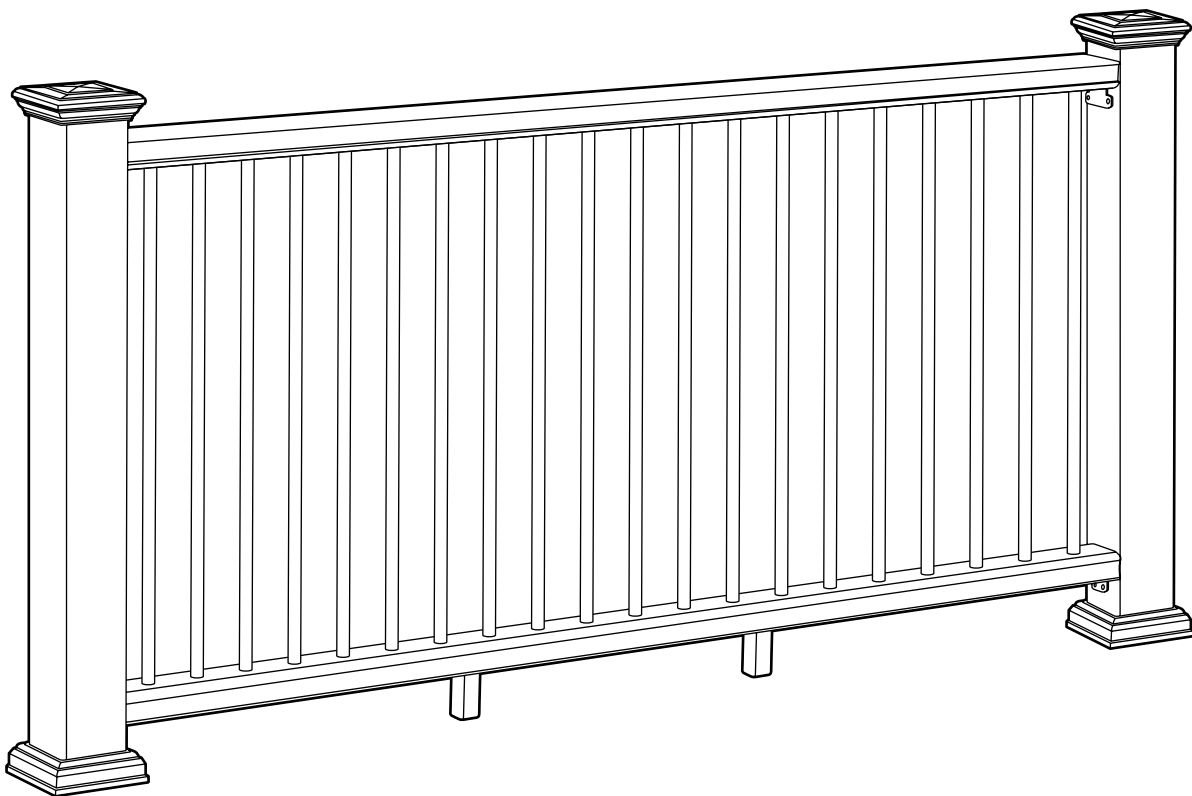


**VERANDA®**

Model # SEC17 RW U8 W/MTL KD  
SEC17 RWS U8 W/MT KD

# INSTALLATION MANUAL

## VERANDA REGENCY RAILING WITH METAL BALUSTERS



Questions, problems, missing parts? Before returning to the store,  
call Veranda Customer Service  
8 a.m. - 7 p.m., EST, Monday - Friday, 9 a.m. - 6 p.m., EST, Saturday

**1-800-230-7547**

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### **THANK YOU**

*We appreciate the trust and confidence you have placed in Veranda through the purchase of this railing. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Veranda!*

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# Safety Information

Read and understand this entire manual before you begin the installation of your railing.



**WARNING:** Use extreme caution when using power tools.



**IMPORTANT:** Please consult local zoning laws in regards to 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, type, placement and ability 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 installation. The following installation instructions are intended as a general guideline based on common building practices used in railing installation.

# Warranty

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## 20 YEAR PERFORMANCE LIMITED WARRANTY

### WHAT IS COVERED

This railing product is covered under a Limited Residential Warranty to protect against checking, splitting, decay, rot and splintering.

### WHAT IS NOT COVERED

In no event will the manufacturer be liable for any direct, indirect, incidental, special, consequential, punitive, exemplary, statutory, special, or other, damages based upon the manufacturer products or manufacturer fasteners or resulting, directly or indirectly, from any defect in the manufacturer products or fasteners, including but not limited to damage to, diminution in value of and/or loss of use or enjoyment of, any property or part thereof, whether based on contract, tort, strict liability, statute, regulation or otherwise, even if the manufacturer is expressly advised about the possibility of such damages. Some states do not allow the exclusion or limitation of incidental or consequential damages in certain circumstances, so the above limitation may not apply to you.

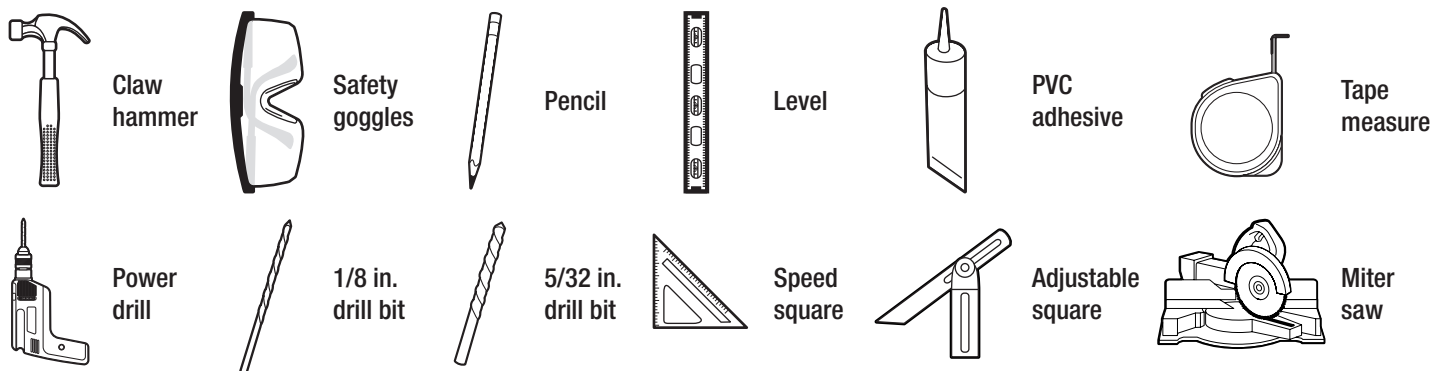
In addition, this Limited Warranty does not cover and the manufacturer shall not be liable for any installation, removal or reinstallation costs. The manufacturer does not warrant against and is not responsible for, and no express or implied warranty shall be deemed to cover, any condition attributable to: (1) improper installation of products and/or failure to abide by the manufacturer's written instructions and any applicable laws or building codes, including but not limited to improper structural support, fastening, ventilation or gapping; (2) use of the manufacturer's products beyond normal use or in an application not recommended or permitted by the manufacturer's written instructions and applicable laws and building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which the manufacturer's products are installed; (4) Defects in or failure arising from decking structure resulting from water caused by improper installation, workmanship, maintenance or repair; (5) any Act of God (including but not limited to flooding, hurricane, tornado, wind, earthquake, lightning, hail, etc.); (6) discoloration, fading, spotting or staining from or caused, in whole or in part, by mold, mildew, other fungal growth, organic materials, metallic oxides or particles (including but not limited to rust or corrosion of any fasteners), dirt, other atmospheric or environmental pollutants, foreign substances such as grease or oil, chemicals (including but not limited to those found in cleaners), or normal weathering (defined as natural efflorescence, exposure to sunlight, weather and atmospheric conditions which causes any colored surface to gradually fade, flake, chalk, or accumulate dirt or stains); (7) damage resulting from casualty, fire or exposure to heat sources such as cooking devices or retro-reflective surfaces; (8) the application of paints, stains, surface treatments or other chemical substances including but not limited to cleaners or pesticides; (9) fading, flaking or other deterioration of any paints, stains or other coatings placed on the manufacturer's products; (10) climate change, environmental conditions, static electricity or any cause beyond the control of the manufacturer; (11) variations or changes in color of the manufacturer's products; (12) improper handling, maintenance, storage, abuse or neglect of the manufacturer's products by Purchaser or others; (13) ordinary wear and tear; (14) impact from objects; or (15) any fasteners not supplied or approved by the manufacturer.

No warranty is given with respect to any fasteners other than the fasteners produced by the manufacturer. Other fasteners, whether approved fasteners or otherwise, are subject to only the warranties provided by the manufacturer of the fastener and Purchaser's sole warranty and remedy is with that manufacturer.

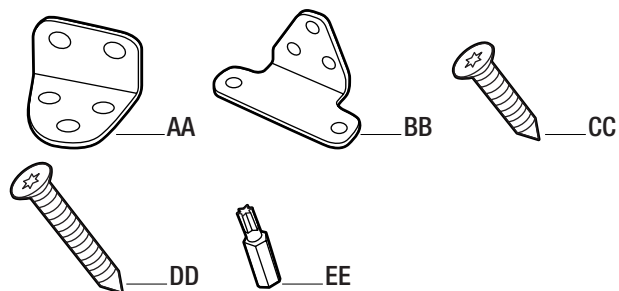
Contact the Customer Service Team at 1-800-230-7547 or visit [www.HOMEDEPOT.com/VERANDA](http://www.HOMEDEPOT.com/VERANDA).

# Pre-Installation

## TOOLS REQUIRED



## RAILING HARDWARE KIT



Part	Description	Quantity (per kit)
AA	Bottom bracket	2
BB	Top bracket	2
CC	#10 x 1 in. screw	12
DD	#10 x 2 in. screw	8
EE	Driver bit	1

## STAIR RAILING KIT



Part	Description	Quantity (per kit)
FF	#10 x 1 in. screw	12
GG	#10 x 2 in. screw	8
HH	Stair rail bracket	4
II	Driver bit	1

## LINE BALUSTER EZ MOUNT KIT



Part	Description	Quantity (per kit)
JJ	EZ Mount	40
KK	EZ Mount screws	40

## STAIR BALUSTER EZ MOUNT KIT



Part	Description	Quantity (per kit)
LL	EZ Mount Stair adapter	40
MM	EZ Mount screws	40



**NOTE:** Hardware not shown to actual size.

## Pre-Installation (continued)

### PRIOR TO INSTALLING THE RAILING



**IMPORTANT:** Please read and follow the instructions in this section before you begin installation of your railing products.



**NOTE:** Rail lengths will vary slightly due to manufacturing processes. Make sure rails and balusters are cut properly to correct length, and with hole pattern centered between posts before securing.



**NOTE:** For best results, cut post sleeves with a carbide-tipped blade, minimum 32-tooth.

- If using post sleeve moulding, slide the post down into the cove moulding prior to securing any railings (Fig. 1).

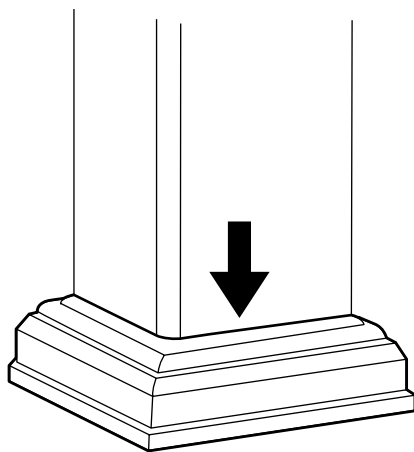


Fig. 1

- Measure the inside distance between properly installed, plumb posts. See Fig. 2 for Line and Stair Railings.

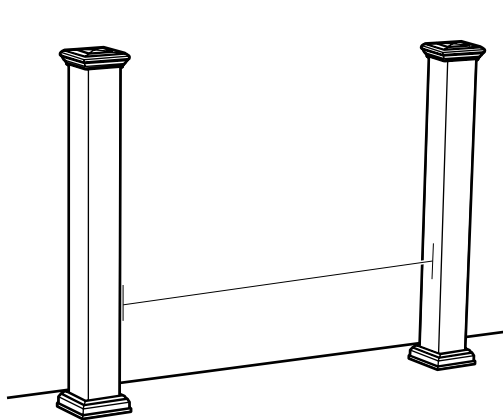
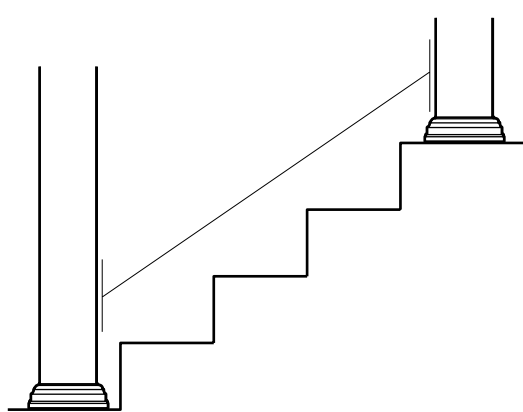


Fig. 2

For Line



For Stairs

## Pre-Installation (continued)

- Determine length of top and bottom rails, and cut to length. Place the top and bottom rails side-by-side for accurate placement of the EZ Mounts (JJ). Center the pattern on the rails, spacing the EZ Mounts (JJ) no more than 4.5 in. apart.

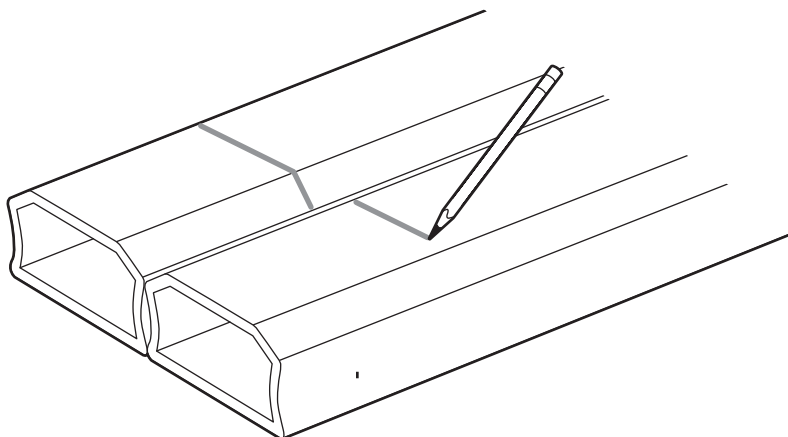


Fig. 3

- Pre-drill holes with a 1/8 in. bit, and fasten EZ Mounts (JJ) to the top and bottom rails using the screws (KK).



**NOTE:** Delay fastening EZ Mounts with adapters (LL) to the stair railings until after an angle is cut for stair application. See Step 2 “Marking the angles” in the Stair Installation section of this document.

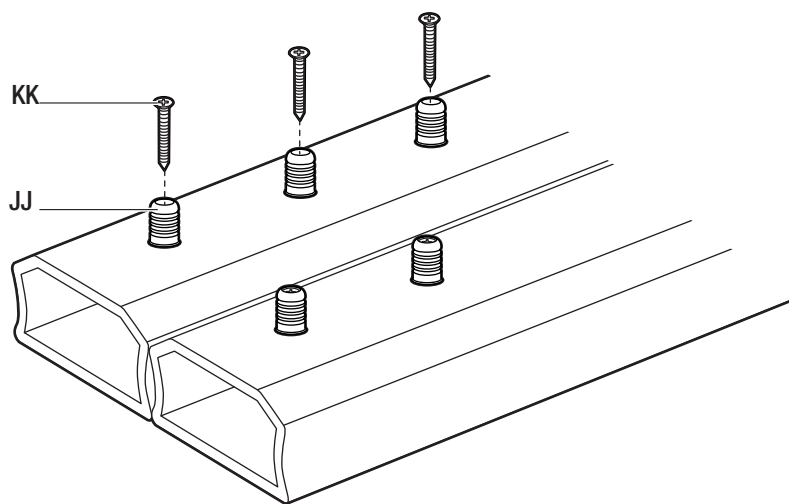
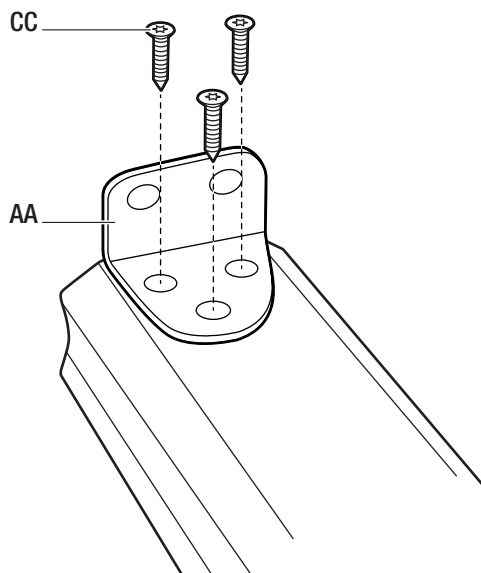


Fig. 4

# Line Rail Installation

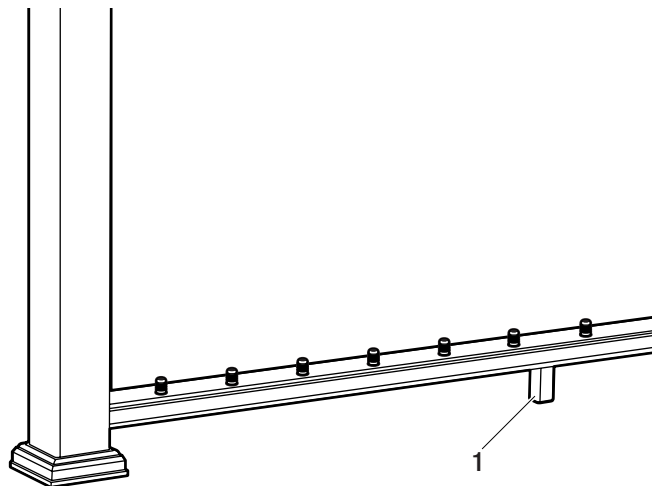
## 1 Preparing the bottom rail

- Position bottom brackets (AA) 1/32 in. – 1/16 in. from the ends of the bottom rail and mark the hole locations. Ensure the brackets (AA) are installed on the EZ Mount side.
- Pre-drill holes using a 5/32 in. bit and then attach the brackets (AA) to the bottom rail using 1 in. screws (CC). **DO NOT OVERTIGHTEN THE SCREWS.**



## 2 Attaching crush blocks

- Use PVC adhesive to glue crush blocks (1) to the bottom of the bottom rail at mid-point of rail length to support the rail in a level position.
- When installing an 8 foot section, install two crush blocks at 1/3 points.



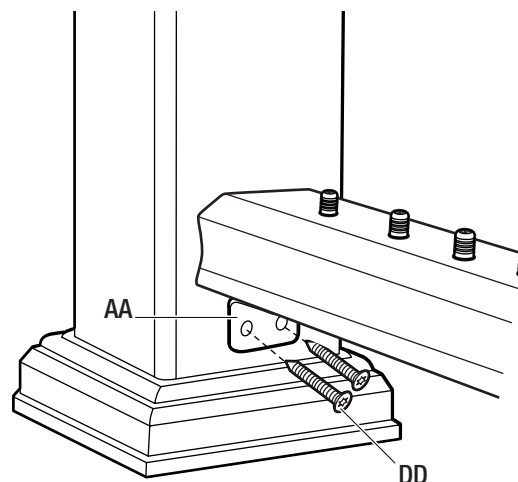
## 3 Installing the bottom rail

- Completely lower the rail into place between the posts and check to make sure it is level.
- Once the lower rail is level, mark bracket hole locations. Remove the rail before pre-drilling the holes.
- Pre-drill the holes with a 5/32 in. bit, angling slightly upward and inward to allow for clearance from the rail once repositioned for securing.



**NOTE:** Using extended drill bits is recommended to prevent damage to the rail, and allow a more perpendicular driving angle.

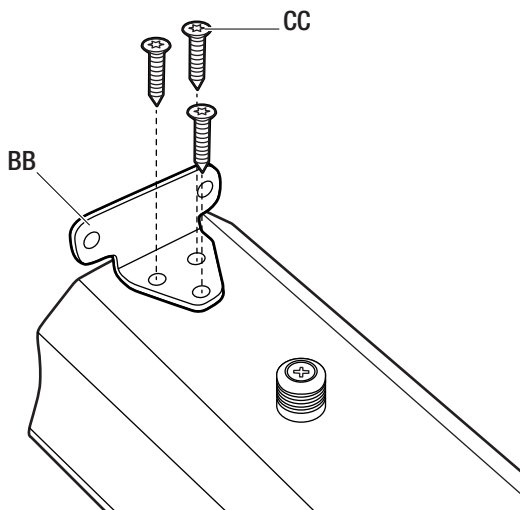
- Secure the bottom railing in place using the 2 in. screws (DD).



## Line Rail Installation (continued)

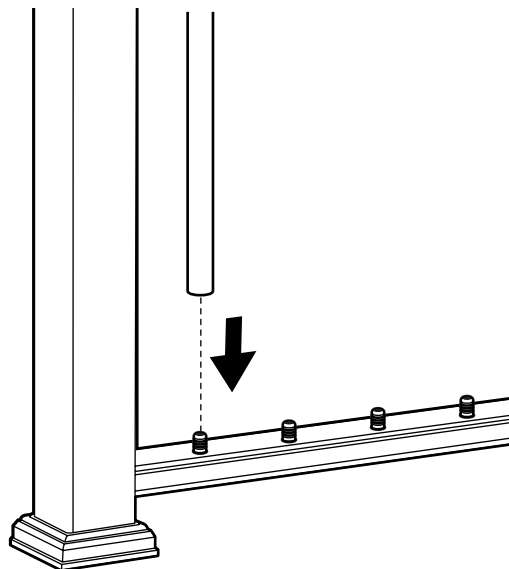
### 4 Preparing the top rail

- Position top brackets (BB) 1/32 in. – 1/16 in. from the ends of the top rail and mark the hole locations. Ensure brackets are installed on the side of the top rail with the EZ Mounts (JJ).
- Predrill holes using a 5/32 in. bit and then attach the brackets (BB) to the top rail using 1 in. screws (CC). **DO NOT OVERTIGHTEN THE SCREWS.**



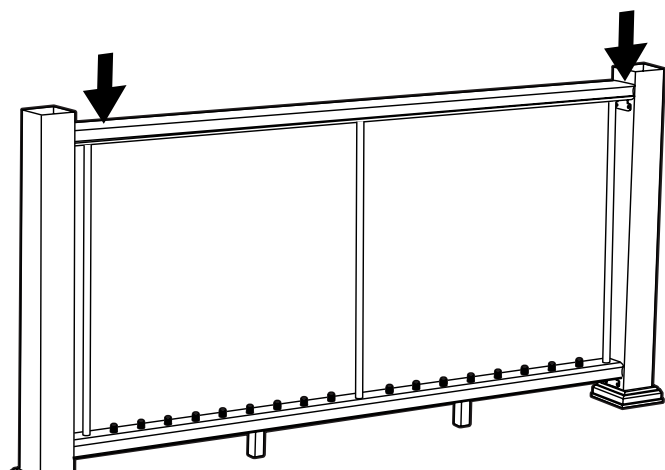
### 5 Inserting balusters

- Insert a baluster into the first EZ Mount (JJ) at both ends of the bottom rail and one in the middle.



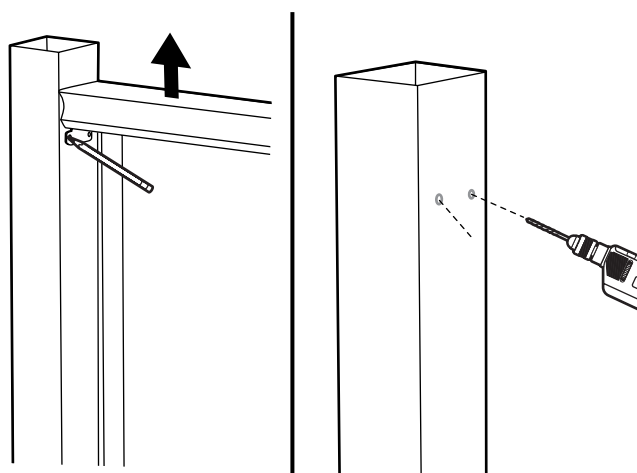
### 6 Positioning the top rail

- Carefully position the top rail between the posts and lower onto the three balusters. Ensure you fully seat the balusters onto the EZ Mounts.
- Check the top rail and ensure it is level.



### 7 Marking and drilling top rail holes

- Mark the location of the bracket holes.
- Remove the top rail and balusters. Pre-drill the holes with a 5/32 in. bit, angling slightly upward and inward to allow for clearance from the rail once repositioned for securing.





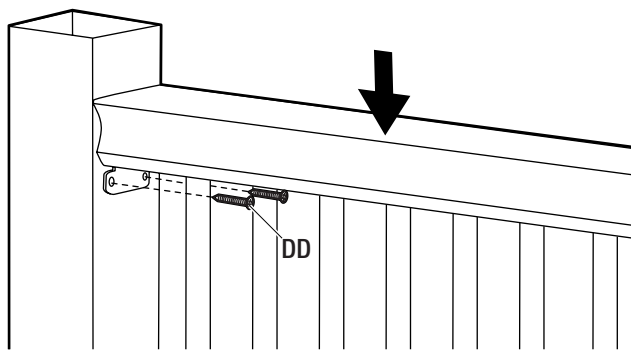
## Line Rail Installation (continued)

### 8 Installing the balusters and top rail

- Insert all balusters into the bottom rail. You do not need to remove the plugs at the ends of the balusters. Reposition the top rail over the balusters, and lower into place between the posts. After the top rail is fully seated, secure using 2 in. screws (DD). DO NOT OVERTIGHTEN.

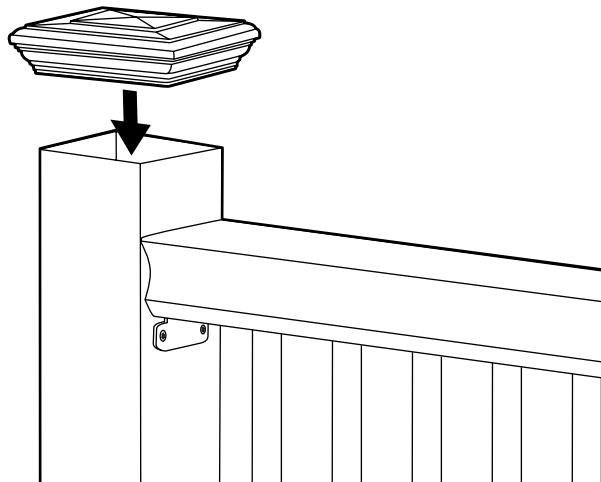


**NOTE:** Using extended drill bits is recommended to prevent damage to the rail, and allow a more perpendicular driving angle.



### 9 Installing the post caps

- Complete the installation by installing the post cap in place. You can use a quality exterior adhesive in order to do this, but note that you will not be able to remove the cap at a later time once it is glued.



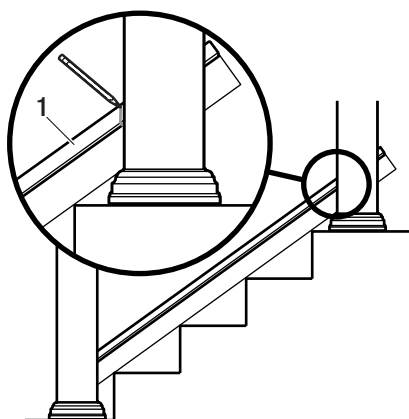
# Stair Railing Installation

## SPECIAL NOTES ON STAIR RAILING

The stair systems are designed for the typical angles created by an approximate 7 in. rise/11 in. run with allowance for accepted variation in components. The Regency stair system allows for a 30-34 degree stair angle. 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. Ensure that you leave adequate space for graspable hand rail if applicable. "Dry fitting" intermediate post placement will result in easier and better looking installations and may avoid placement of post mounting brackets in areas where screws cannot attach to the guardrail.

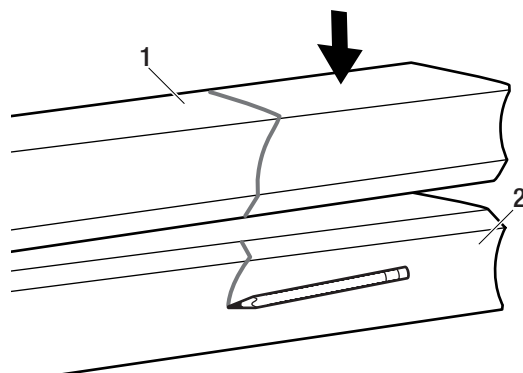
### 1 Determining the angle for the railing

- Using a 2 x 4 over the steps to create a consistent angle, place the bottom rail (1) over the 2 x 4 and mark the end angles for the bottom rail.



### 2 Marking the angles

- Align the top rail (1) on top of the bottom rail (2) and mark the angle of the bottom rail to the top rail.

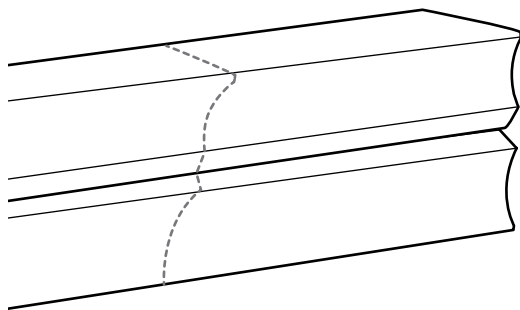


### 3 Cutting the rail angles

- Cut the top and bottom rails at the marked angles to fit tightly between the posts.
- Transfer the stair angle to the crush block and cut to the desired length (consult your local building official for the proper spacing between the stair tread and the railing).

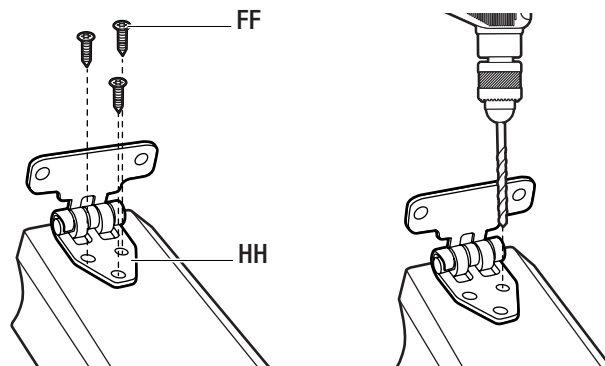


**NOTE:** You can now install the EZ Mounts onto the stair rails. See Figure 4 on page 3 for further clarification and instruction.



### 4 Attaching brackets to the rails

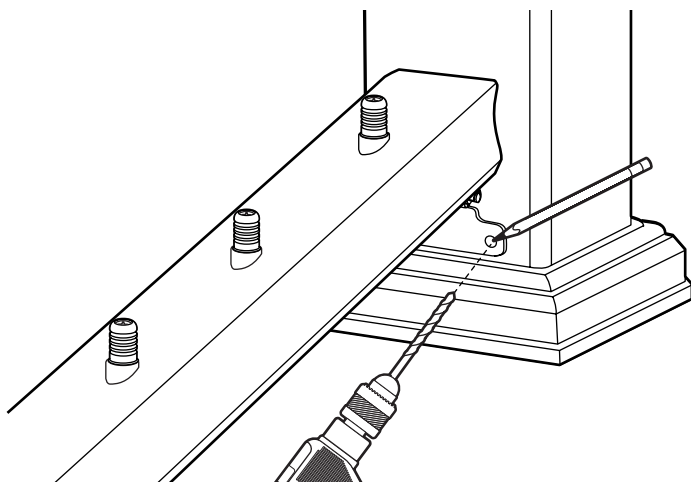
- Place brackets (HH) on each end of the bottom rail (side without EZ Mounts). Place brackets on each end of the top rail (side with EZ Mounts). Leave 1/32 in.-1/16 in. space from the cut edge of the rail. Mark all bracket hole locations and then drill holes using a 5/32 in. bit.
- Secure all brackets using the 1 in. screws (FF).



## Stair Railing Installation (continued)

### 5 Preparing the bottom rail installation

- Place the bottom rail between the posts. Using the bracket as a guide, mark the location of the holes on the posts. Remove the rail before pre-drilling the holes.
- Pre-drill the holes with a 5/32 in. bit, angling slightly upward and inward to allow for clearance from the rail once repositioned for securing.

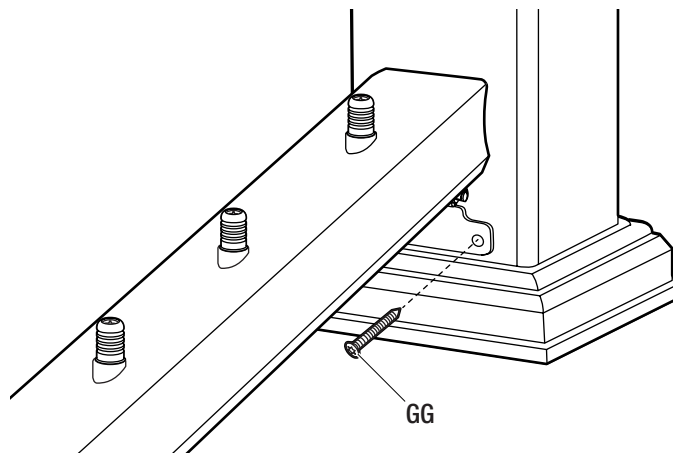


### 6 Installing the bottom rail

- Place crush block on the stair tread surface midway between the posts and glue to bottom of bottom rail.
- Secure the bottom rail to the post at both ends using the 2 in. screws (GG). DO NOT OVERTIGHTEN.

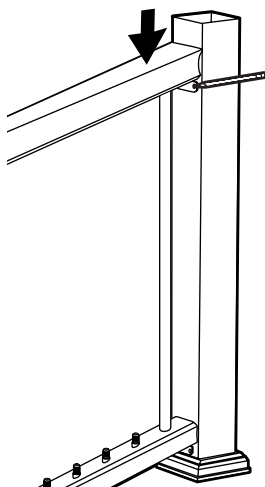


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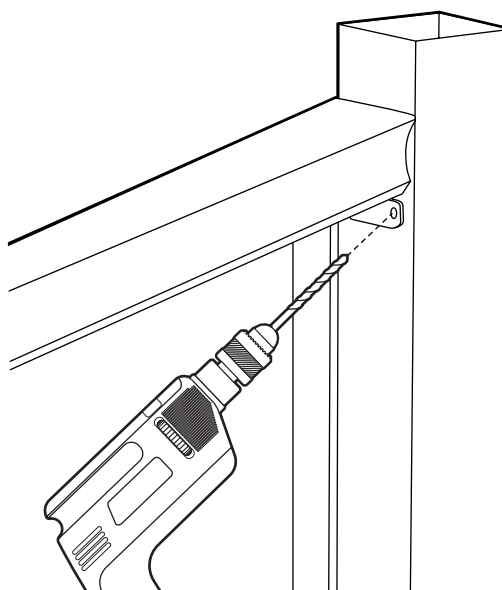
### 7 Positioning the top rail

- Insert a baluster into the first and last EZ Mounts in the bottom rail. Carefully position the top rail between the posts and engage the EZ Mounts into the balusters. You do not need to remove the plugs at the ends of the balusters.
- With the top rail fully seated, and using the top bracket as a guide, mark the location of the holes. Remove the rail before pre-drilling the holes.



### 8 Drilling the top rail holes

- Pre-drill the holes with a 5/32 in. bit, angling slightly upward and inward to allow for clearance from the rail once repositioned for securing.



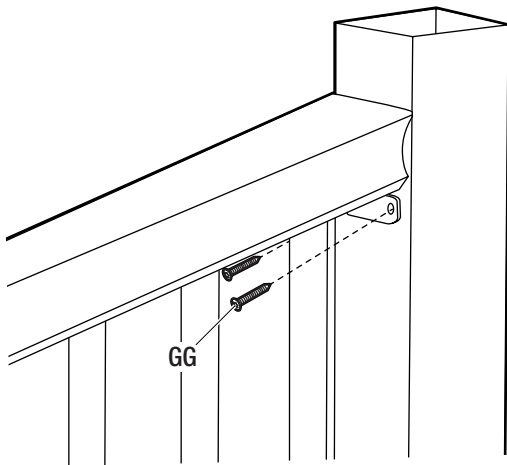
## Stair Railing Installation (continued)

### 9 Installing the top rail

- Set each baluster over the bottom EZ Mounts. Secure the top railing using the 2 in. screws (GG). You do not need to remove the plugs at the ends of the balusters.

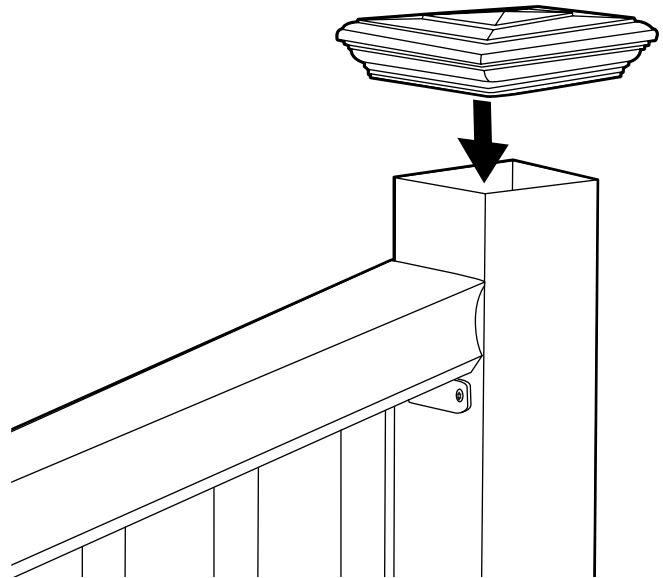


**NOTE:** Using extended drill bits is recommended to prevent damage to the rail, and allow a more perpendicular driving angle.



### 10 Installing the caps

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