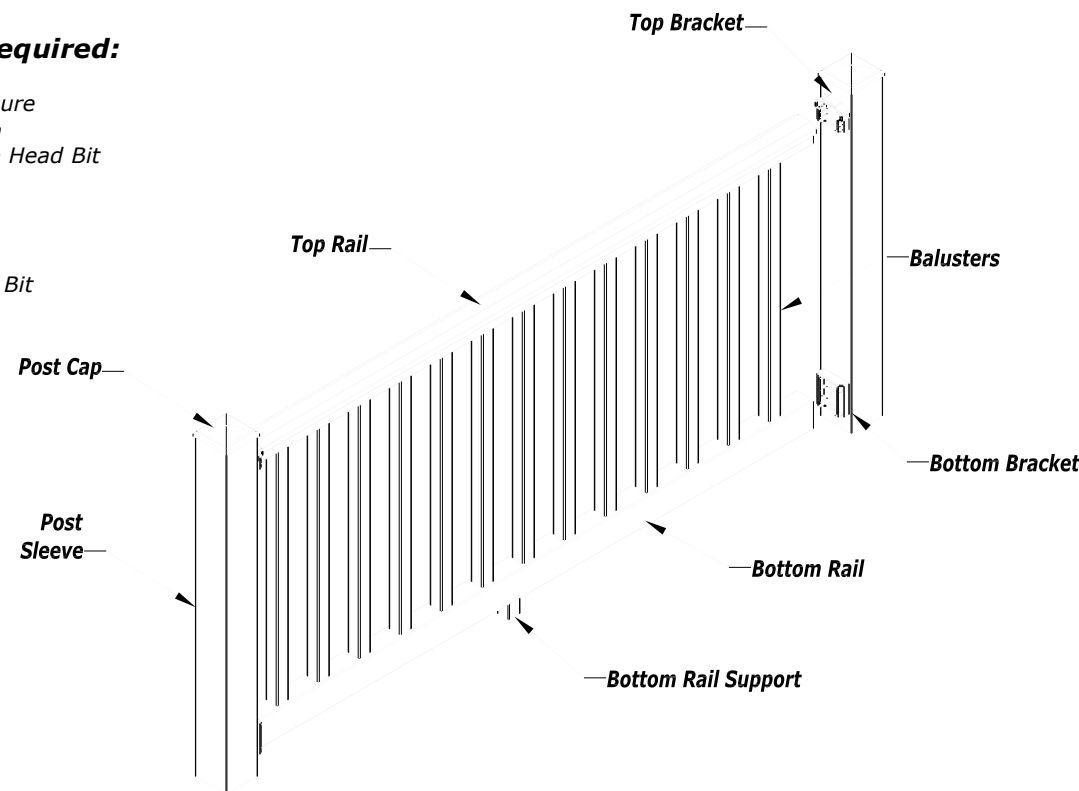


### Tools Required:

Tape Measure  
Screw Gun  
#2 Square Head Bit  
Square  
Chop Saw  
Hack Saw  
Level  
5/32" Drill Bit



### Verify Railing Components:

Railing Kit	4'	6'	8'	10'
Top Rail w/Aluminum Reinforcement	1	1	1	1
Bottom Rail	1	1	1	1
1-1/2" Square or Colonial Balusters	9	14	19	24
Top Rail Bracket w/screw plugs	2	2	2	2
Bottom Rail Bracket w/screw plugs	8	8	8	8
Bottom Rail Support	1	1	1	2
#10 x 2" SS Screws	16	16	16	16
#8 x 1-1/2" Painted SS Screws	4	4	4	4



Top Rail w/Aluminum Reinforcement



Bottom Rail



Balusters



#10 x 2" SS Screws



#8 x 1-1/2" Painted SS Screws



Bottom Rail Support



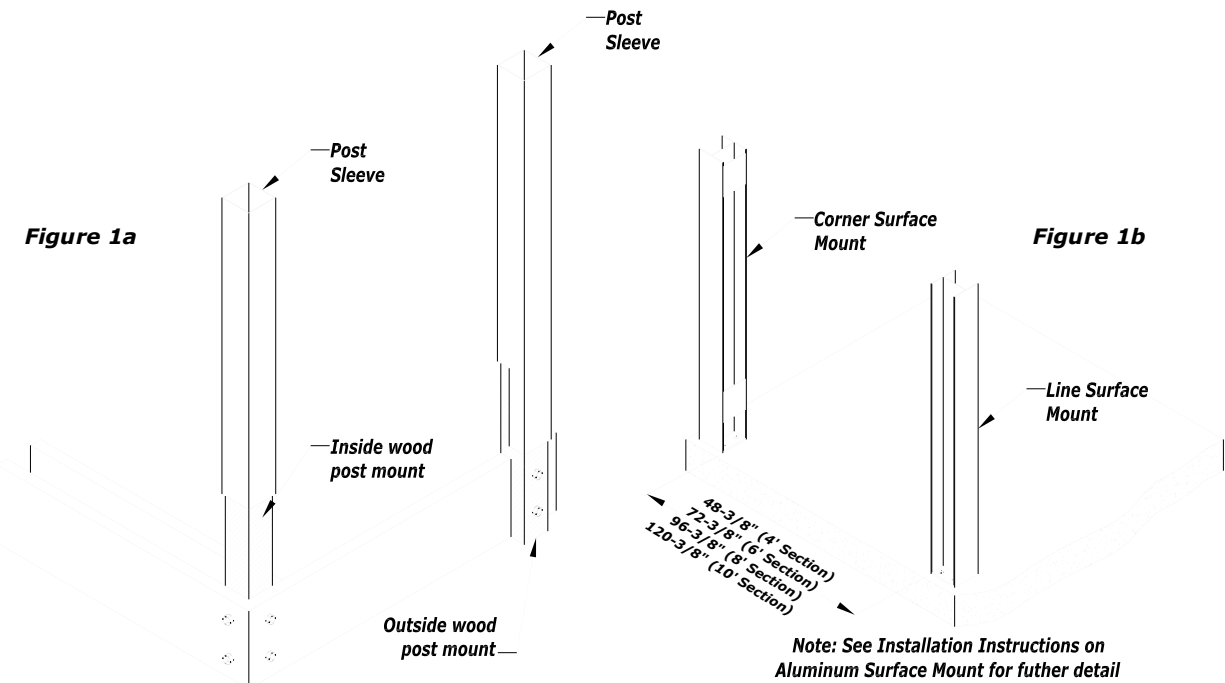
Top Rail Bracket w/Screw Plugs



Bottom Rail Bracket w/Screw Plugs

### Installation Instructions

**Step 1:** If the deck or porch does not have existing support posts, install support post using either Inside or Outside Post Mount methods. (See Figure 1a.) These posts are commonly either 4" x 4" or 6" x 6" treated wood. If mounting to a concrete surface, we recommend using an aluminum surface mount post (See Figure 1b). When installing the support posts, it is recommend they be distanced 4', 6', 8', or 10' apart to minimize rail trimming. For a professional looking rail system, double-check to ensure the posts are plumb before continuing.



**Step 2:** Install the vinyl sleeve over the support post. Depending on the support post mounting style, cut or notch PVC sleeve to fit over post. When using 36" high railing the top of the PVC sleeve must be 38" high from the floor. If the railing is 42" high then the PVC sleeve needs to be 44" to accommodate for the post cap.

**Step 3:** Install bottom rail support(s) into bottom rail. This will place the bottom rail under the maximum height of 2" above surface to meet code. Slide bottom mounting brackets on bottom rail (flat edges facing out), level the rail, and use #10 x 2" screws provided to attach the rail to posts. DO NOT over tighten screws (See Figure 3). If the rail is longer than the distance between post cut bottom and top rail as shown in figure 2.

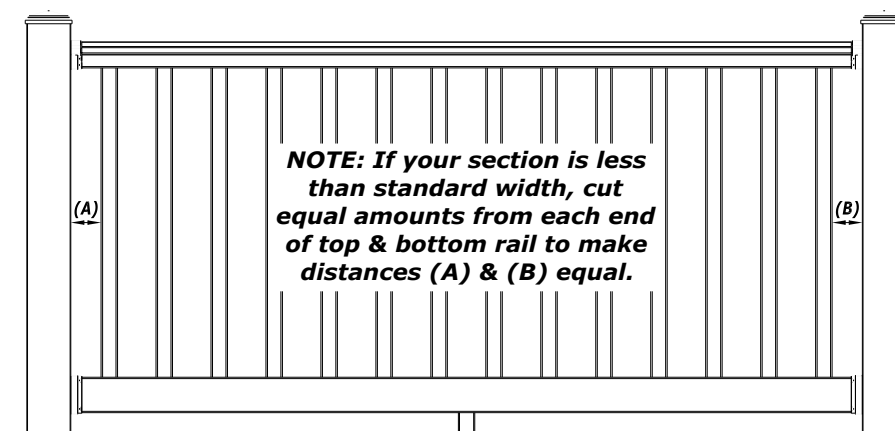
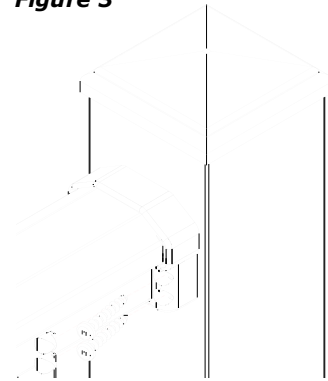


Figure 2

**Step 4:** Place balusters into bottom rail.

**Step 5:** Slide top mounting brackets (flat edges facing out) on top rail. **Figure 3**  
Place rail on balusters starting at one end and work your way down the rail inserting one baluster at a time. Level top rail and check for desired height from floor (36" or 42"). Attach rail to posts using the #10 x 2" screws provided. DO NOT over tighten screws (See Figure 3).

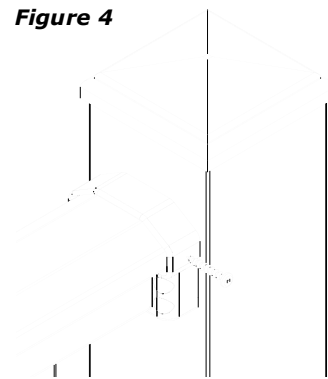


**Step 6:** Make sure the balusters are plumb, then install a #8 x 1-1/2" painted screw thru the top bracket and rail (See Figure 4). The aluminum reinforcement insert needs to be pre-drilled using a 5/32" bit. Place the screw on outside of the railing so it is not as obvious. Do this to both ends to prevent the rail from sliding or getting the balusters out of plumb.

**Step 7:** Install post cap over vinyl sleeve and secure with either silicone caulk or PVC cement. Then place screw plugs in all holes to cover the screw heads.

**Step 8:** Move to next railing section.

**Step 9:** Enjoy your new maintenance free railing system for years to come!



#### **Care and Cleaning of your Vinyl Railing**

Sheerline Railing resists most common household stains, but like other outdoor products it will get dirty when exposed to the atmosphere. Cleaning with common household cleaning solutions and water is recommended to keep your railing looking like new. For tougher stains or scuffs, Greased Lightning® or SoftScrub® may be used. Mildew may be removed with a commercially available mildew remover or 25% concentration of Clorox® in water along with household detergent. For other questions or comments, please contact us.

*Note: Chemical agents may be hazardous to the user or environment. Please follow all precautions and warnings on product labels.*

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## **3000 SERIES LEVEL RAILING INSTRUCTIONS**

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