

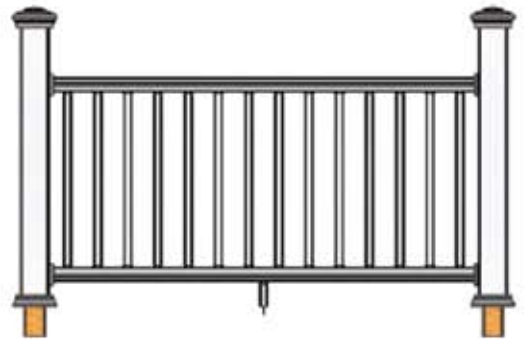
# White Rhino Rail

## Horizontal Post and Rail Installation

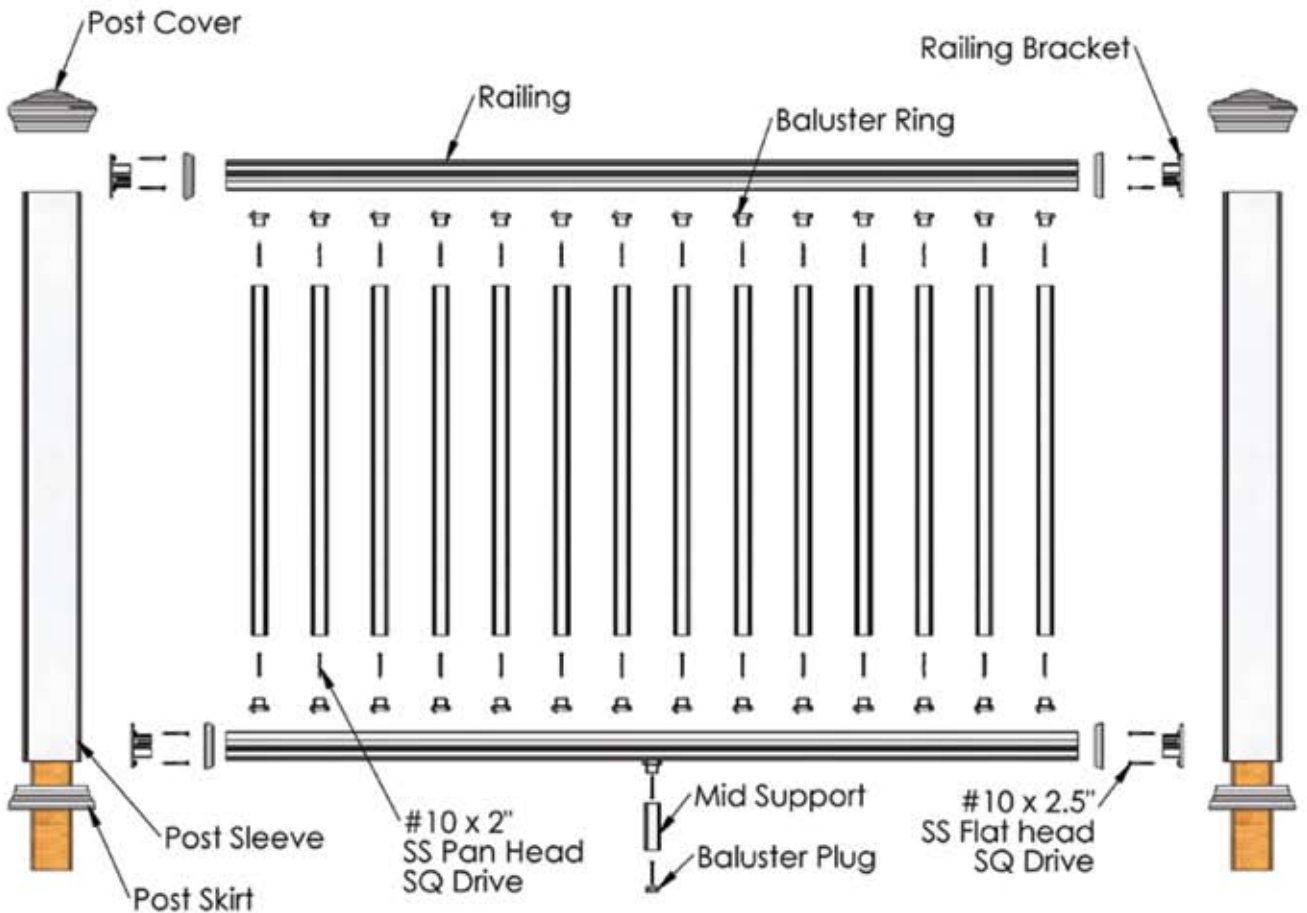
For 38"-4" Post & Rail Kit

### Before you Begin:

- \*Review local building codes
- \*Read all assembly instructions
- \*Become familiar with part names



### The Basics:



## Step 1 - Posts

As with each supporting element of your deck, railing posts should be designed to meet local building codes. The instructions below are for 38" rails. In your railing design, keep in mind that the railing system fits over 4"x4" wood posts and rails are 72" prior to cut.

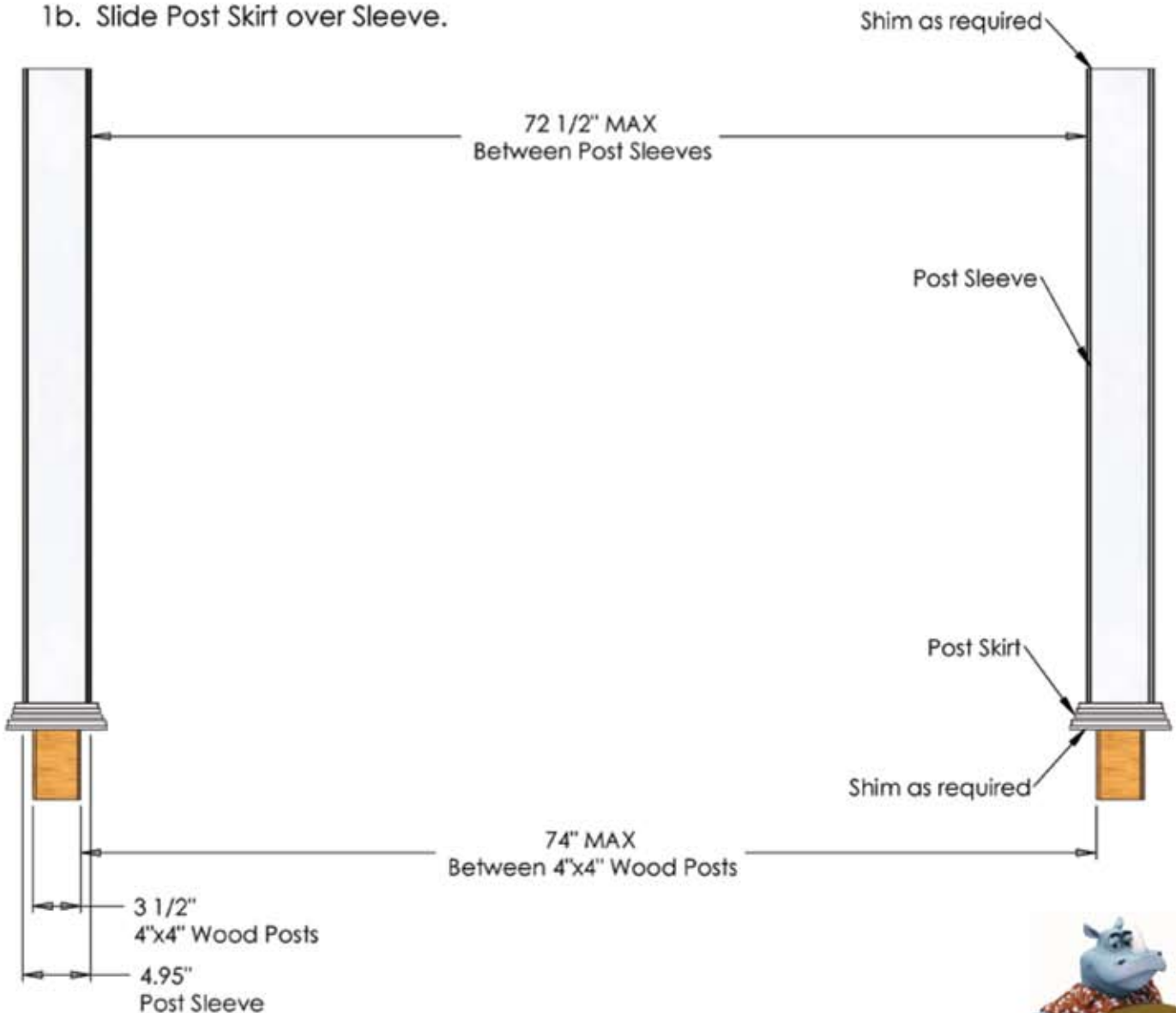
Wood Posts can be spaced a maximum of 74" from inside to inside.

Railing Posts can be angled at 45 and 22.5 Degrees using the angle Spacer Blocks.

For best results, use cedar rather than treated pine. Wood 4"x4" posts must be installed to the inside rim joist prior to starting the assembly of White Rhino Rails.

1a. Slide Post Sleeve over wood post. Shim top and bottom to prevent shifting and to level vertically.

1b. Slide Post Skirt over Sleeve.

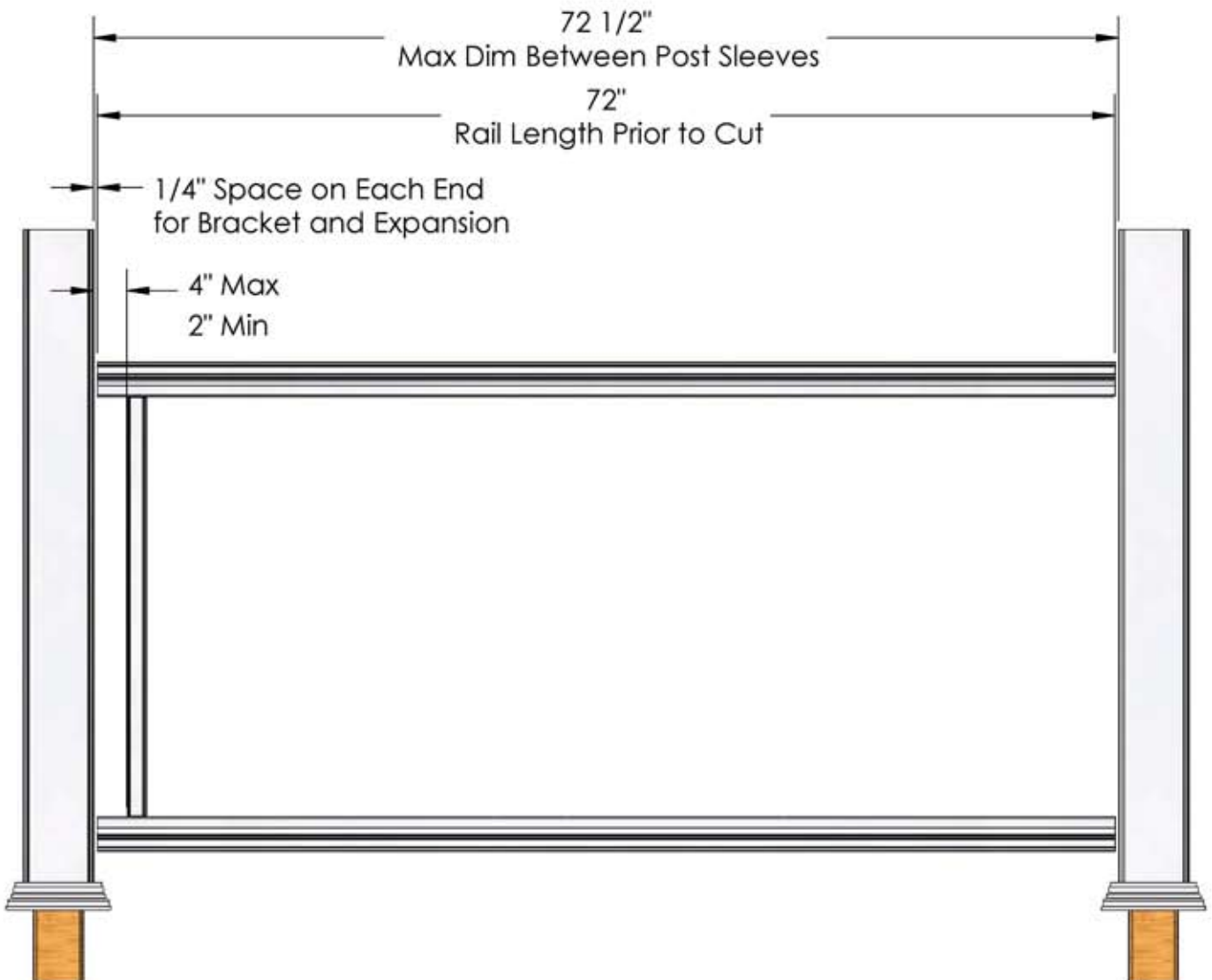


## Step 2 - Trimming Rail Length

Rail lengths are 72" prior to cut and require 1/4" space on each end for Railing Bracket and expansion. Therefore, the maximum space between Post Sleeves is 72 1/2". See illustration below.

If shorter rail assembly is needed, cut rail as required with a 60 teeth (min) carbide tip blade.\*

When planning your cuts, the space between the Post Sleeve and adjacent Baluster needs to be in range of 4" maximum and a 2" minimum. See illustration below. To achieve even baluster spacings, cut equal amounts off of each end within the 2" to 4" requirements.



\*White Rhino Rail should be disposed of with normal construction debris.  
DO NOT BURN due to the PVC material properties.



## Step 3 - Baluster Rings

Install Baluster Rings into top rail and bottom rail using pre-drilled holes and #10 x 2" SS Pan Head Square drive screws.

NOTE: Alignment pins on the bottom of each baluster plug fit into the pre-drilled holes. Be sure the pins are placed in the same hole order on both the bottom rail and top rail to ensure balusters are lined up correctly.



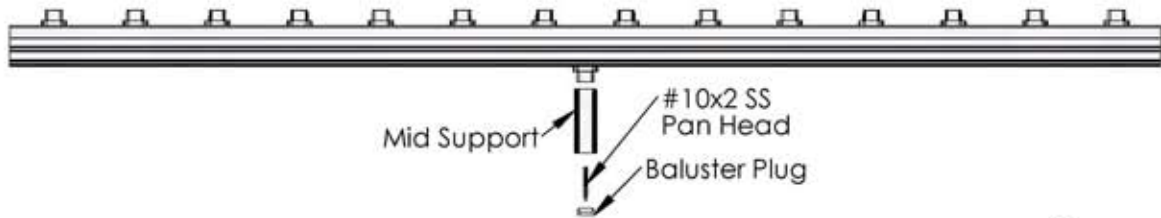
Install an additional baluster plug on the bottom of the lower rail in pre-drilled holes.



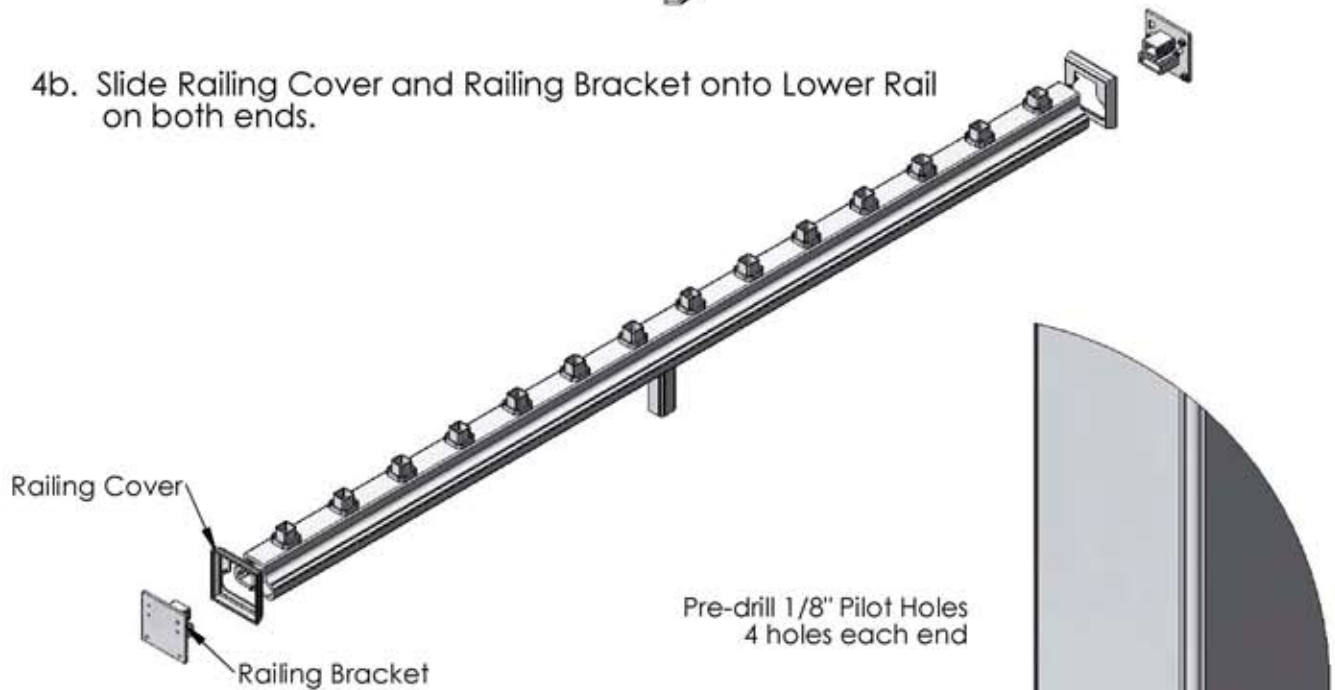
## Step 4 - Install Lower Rail

- 4a. Place the 4" Mid Support onto Baluster Ring on bottom of Lower Rail. Center the Lower Rail between post sleeves (keeping in mind that there is a 1/4" spacing on each end of rail to post sleeve). Mark the Mid Support position on the deck board. Set aside the Lower Rail to install the Baluster Plug.

Center the Baluster Plug on the marked position and install Baluster Plug to deck board with a #10 x 2 SS Pan Head Screw.

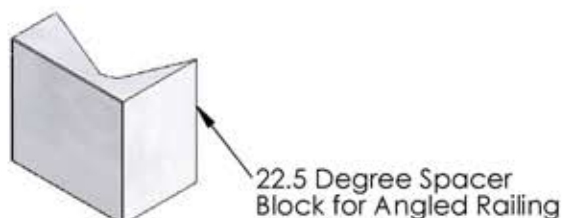
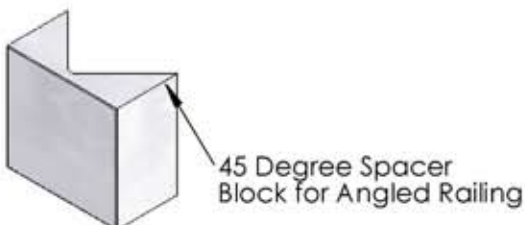


- 4b. Slide Railing Cover and Railing Bracket onto Lower Rail on both ends.



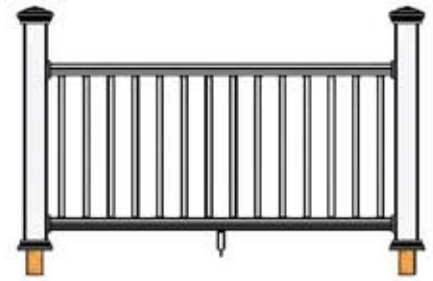
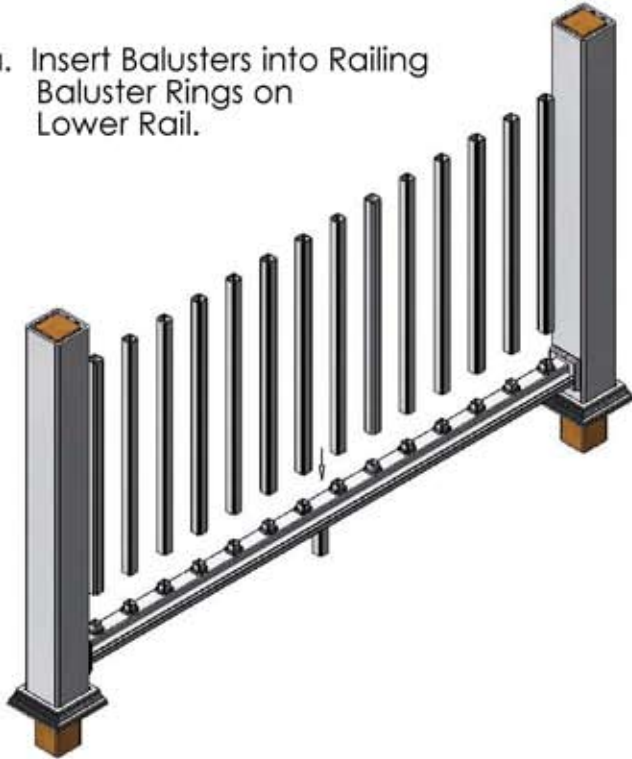
- 4c. Place Lower Railing assembled in 4b into place between 2 Post Sleeves. Center and level using the mid support as a pivot. Pre-drill 1/8" pilot holes through post cover and into wood post using the mounting bracket holes as a guide. Attach with #10 x 2-1/2" SS Flat Head screws.

If Posts are angled, use the 45 or 22.5 degree Spacer Blocks between the Railing Bracket and Post Sleeve.

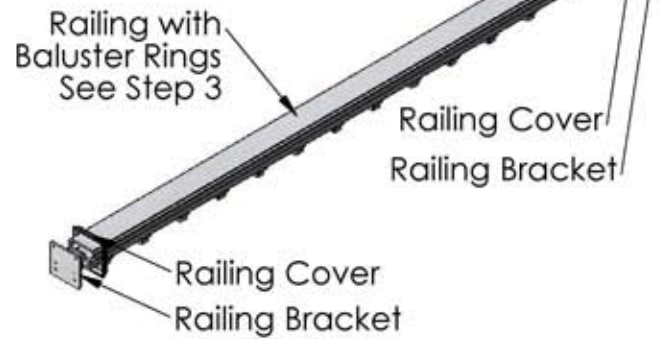


## Step 5 - Complete Railing

- 5a. Insert Balusters into Railing Baluster Rings on Lower Rail.



- 5b. Slide Railing Cover and Railing Bracket onto both ends of Top Rail.



- 5c. Place Top Rail onto Balusters and seat firmly. Center Top Railing on Post Sleeves. Pre-drill 1/8" pilot holes through Post Sleeve and wood post using Railing Bracket as a guide. Attach Top Railing with #10 x 2-1/2" SS Flat Head Square Drive screws. Refer to Step 4. Snap Railing Covers onto Post Sleeves



- 5d. Finish installation by placing Post Caps on Post Sleeves. Apply PVC glue (not included) under Post Caps if desired.

