

# Octagon Vinyl Gazebo



# Assembly Manual

# Vinyl Gazebo Assembly Manual

Congratulations on purchasing your new Gazebo. Thank you for your purchase and welcome to the YardCraft Family.

This manual is designed to simplify the assembly process, however we recommend having an experience carpenter involved in the project. Please read through the entire manual before starting!

The Gazebo put together for this manual was a 12' Octagon Gazebo. This manual can also be used for other sizes. It took 2 men, approximately 8 hours using the tools shown. However, it may take you longer since it will be a new project for you.

Take a deep breath and get at it; the satisfaction and enjoyment of this Gazebo is only a few hours away. Have fun!

You have purchased a product that consists of heavy, bulky pieces. With your purchase, you assume full responsibility to have the necessary manpower and/or equipment available to unload the items. You also agree that any damage that happens to the equipment, product, or individuals during the unloading process, or during the entire construction process, is your responsibility, and neither the seller, nor the manufacturer, will be held liable for any such damage.

## Tools Required for Job (Not Included)



Two 6'  
Step  
Ladders



Cordless  
Drill



25' Tape  
Measure



Utility  
Knife



Ratchet with  
5/8" Socket



Hammer  
Drill



Hammer  
Tacker



Speed  
Square



### Questions? Issues with Damaged or Missing Parts?

In order to best assist you, please contact YardCraft directly, NOT a third part retailer, with any questions regarding our products, damages, or replacement parts. This will help you get what you need as quickly as possible! Call us at 866-210-9273 or Email us at [info@yardcraft.com](mailto:info@yardcraft.com)!

# Parts List (Included)



(465) 2 1/2" Decking Screws



(100) 2 1/2" White screws



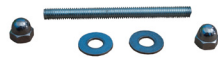
(60) 3" Screw



(40) 1 3/4" Concrete Screws



(520) 2" 6D Nails



(8) 3/8"x6 1/4" Roof Bolts. (16) Washers & Acorn Nuts



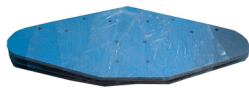
(100) 3" 10D Nails



(1) Mr Clean Magic Eraser



(1) Concrete drill bit



(8) Hurricane Plates



(70) 1" White Pan Head Screws



(1) 2" Square Drive Bit



(30) 1 5/8" White S. S. Screws



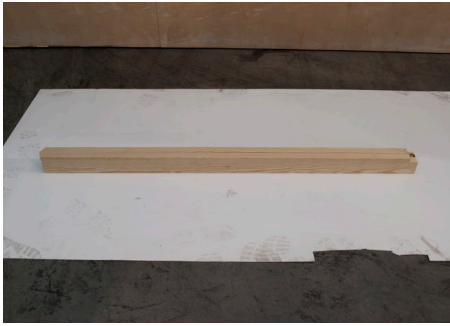
Railing Spacer Block



Ridge Tar Paper



# Parts List



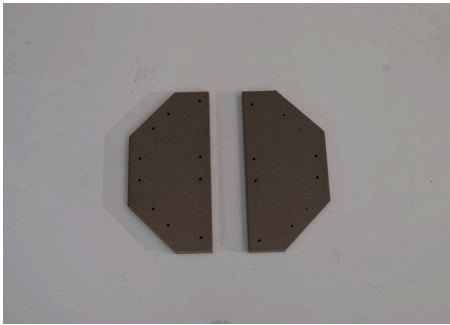
(8) Double 2x4 Floor Joist



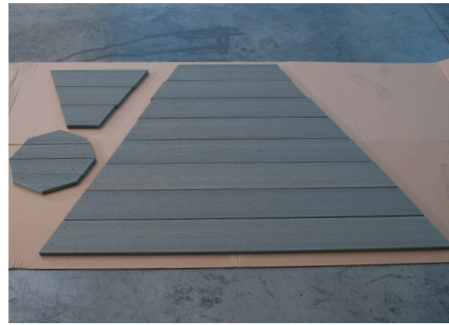
(8) Floor Band Board



(8 of each size) Diagonal Floor Joist



(2) Floor Joist Connection Plate



(8 of each size) Decking



(8) Floor Trim



(8) Posts



(8) Brace Section



(7) T Rails, (77) Spindles, (7) Bottom Rail



(8) Double 2x4 Rafter



(8 of each size) Tongue & Groove Boards



(8) Roof Band Board



(1) Compression Ring



(8) RoofTrim



(8) Tar Paper



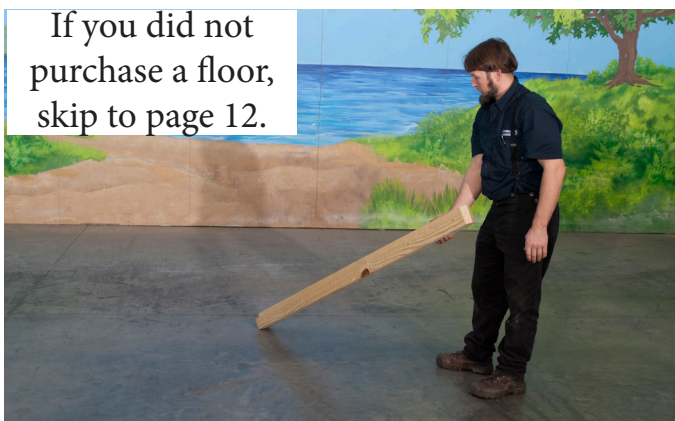
# Floor Assembly



Set your Gazebo Package as close to the building site as possible.



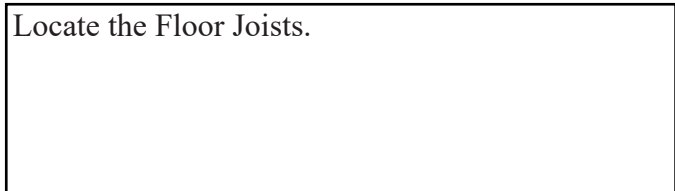
Remove protective shrink wrap. Do not unwrap until you are ready to build. Keep dry and protected until you are ready to assemble the Gazebo.



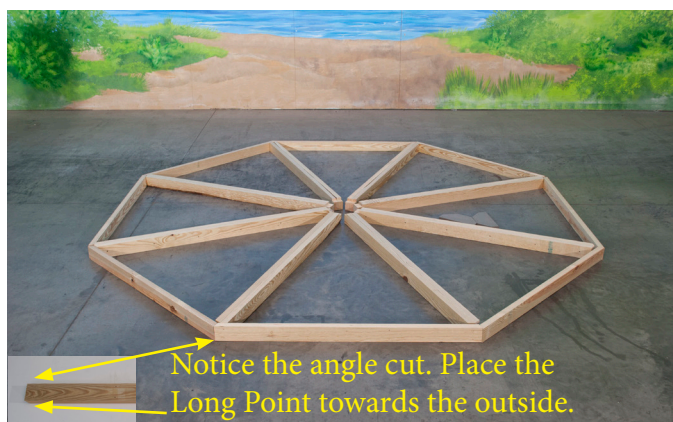
If you did not purchase a floor, skip to page 12.



Lay out the Floor Joists. Ensure the notched ends are towards the center and facing up.



Locate the Floor Joists.



Joists and Band Boards placed.



Locate the 2x4 Band Boards. Place the Band Boards around the perimeter of the 2x4 Joists.



# Floor Assembly



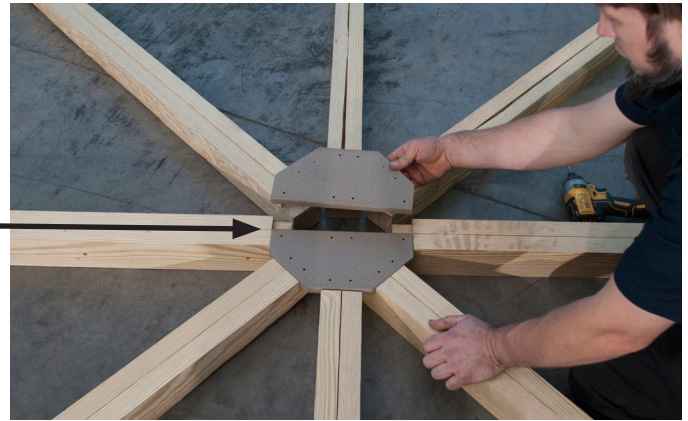
Align the short point of the 2x4 Band Board with the long point of the Joist and fasten Band Board to Joist using two (2) 3" Brown Screws through pre-drilled holes.



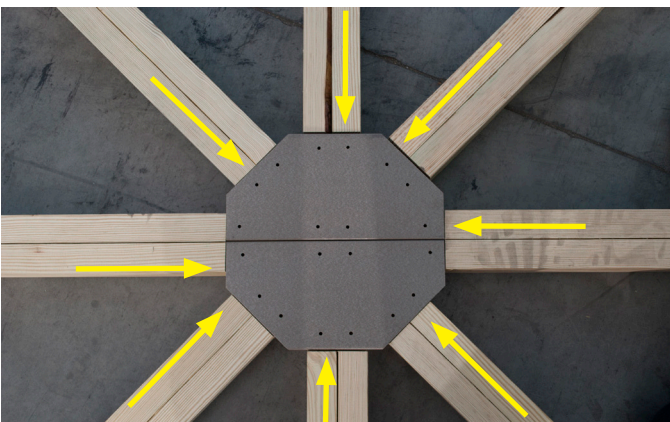
Align long point of adjacent 2x4 Band Board and attach to Joist using 3" Screws through pre-drilled holes.



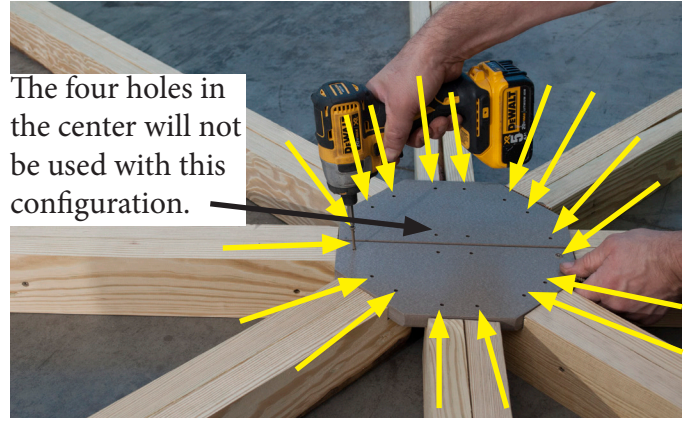
Install remaining Band Boards using previous steps.



Locate the Connection Plates and place the Connection Plate into the notched Joists as shown.



Push each Joist against the Connection Plate and center the Joists with the corners of the Connection plate.



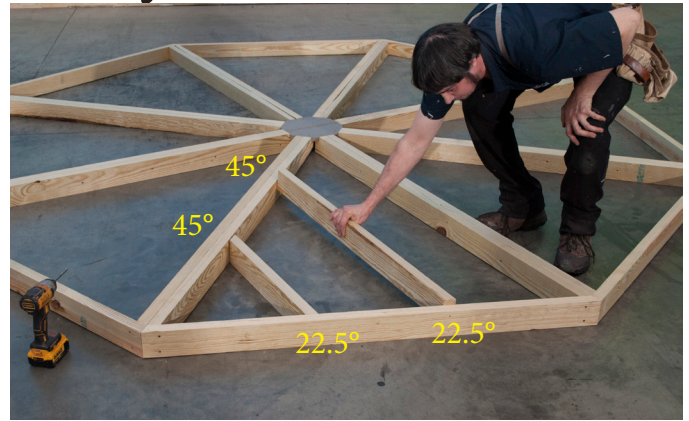
Fasten Connection Plate to Joists using (16) 3" Screws through pre-drilled holes.



# Floor Assembly



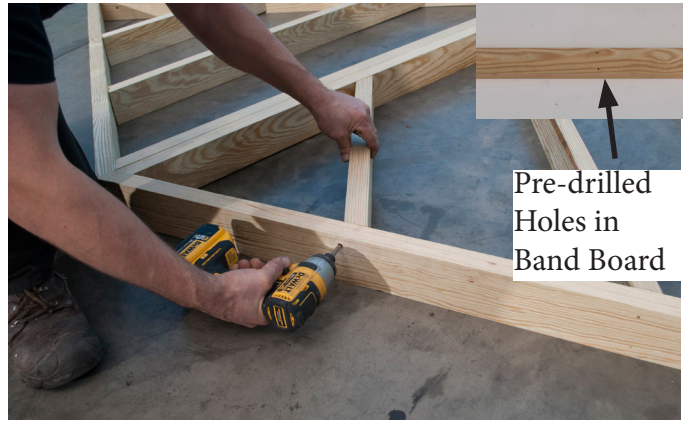
Locate the Diagonal Floor Joists.



Place the 45° angle against the Double Joist and the 22.5° against the Band board



Place all Single Joists into place as shown.



Align the center of the 2x4 Single Joists with the pre-drilled holes in the 2x4 Band Board. Fasten using two (2) 3" Screws through pre-drilled holes.



Fasten the 45° angled end to the Double 2x4 Joist Using two (2) 3" Screws.



Continue by attaching all remaining Single Joists.



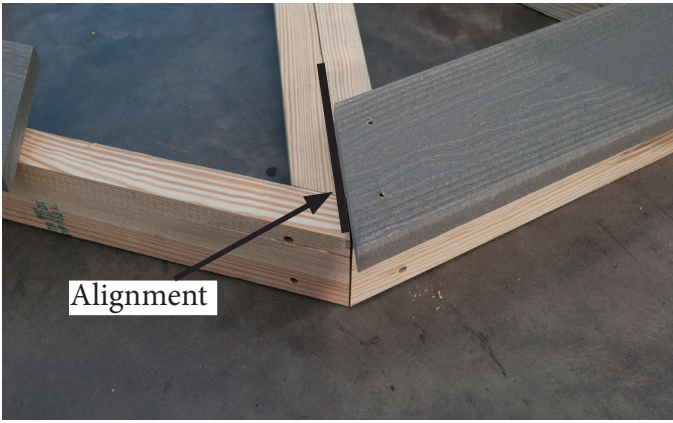
# Floor Assembly



Locate the longest Floor Boards.



Place each of the long Floor Boards around the perimeter of the floor.



Align Floor Board at center of Double Joist.



Make sure the overhang is consistent along the entire outside edge.



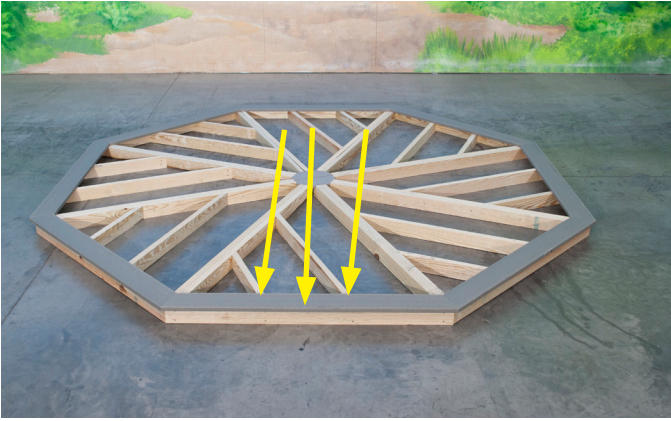
Fasten Floor Board to Joist using two (2) 2 1/2" Decking Screws through pre-drilled holes.



Continue around the outside of the floor and attach all remaining long Floor Boards.



# Floor Assembly



Pre-drill one  $\frac{3}{16}$ " hole directly above each Diagonal Floor Joist and one hole in the center into Band Board. Then fasten using one (1)  $2\frac{1}{2}$ " Decking Screw at each pre-drilled location.



Pre-drill each deck board and attach to joists below, as shown in previous step.



Second Floor Board



Locate the second longest Floor Boards.

Lay out all the second longest Floor Boards before attaching any of them.



Ensure angled ends are Tight together. There will be a small gap between each row. Make sure you have the same gap all the way around.



Fasten second longest Deck Boards, as shown in previous steps.



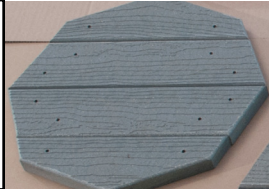
# Floor Assembly



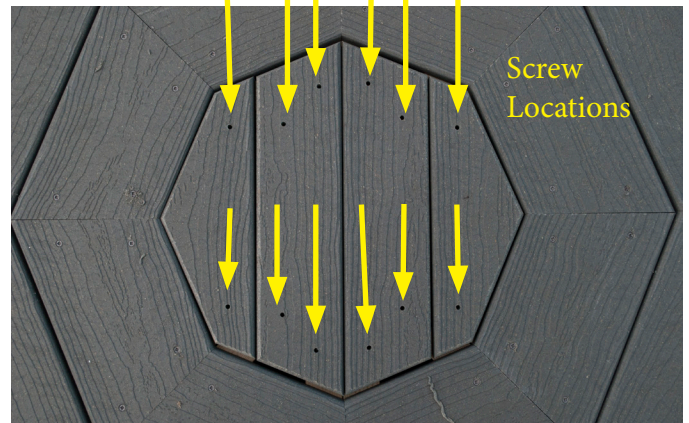
Continue to install the remaining Deck Boards, as shown in previous steps.



Locate the Center Deck Boards.



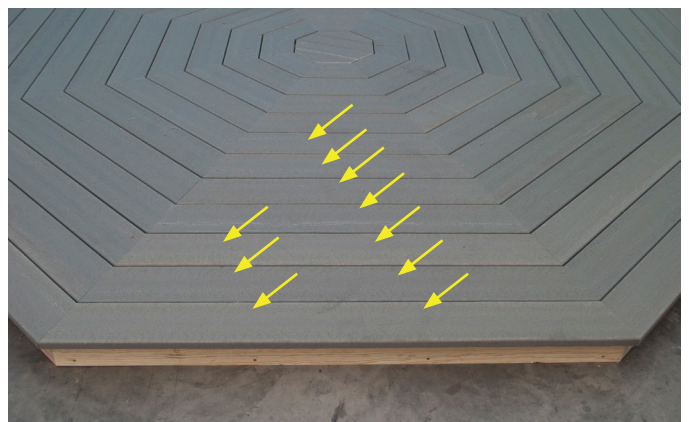
Place Center Deck Boards as shown.



Space Deck Boards equally.



Fasten Center Deck Boards to Joist using twelve (12) 2 1/2" Decking Screws through all pre-drilled holes.



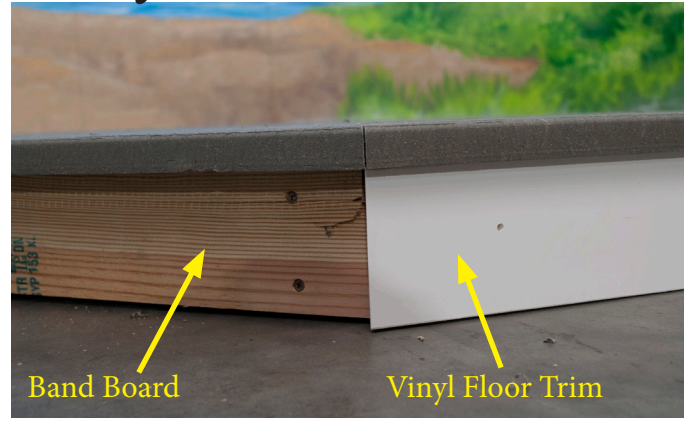
Using a 3/16" Drill Bit, drill through the decking into the single joist and fasten using 2 1/2" Deck Screws. One (1) Screw in each Deck Board.



# Floor Assembly



Locate the Vinyl Floor Trim.



Place the Vinyl Floor Trim Under the Deck Boards and flush with the corner of the 2x4 Band Board.



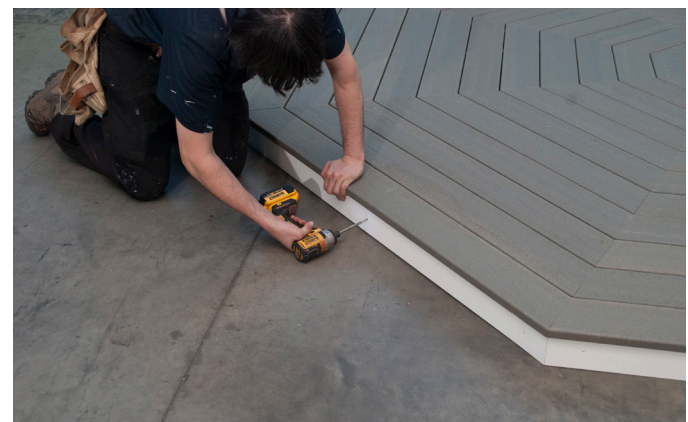
Fasten the Vinyl Floor Trim to the 2x4 Band Board using 1 5/8" White Screws through pre-drilled holes.



Fasten at three (3) locations.



Align adjacent Vinyl Floor Trim and fasten, as shown in previous steps.



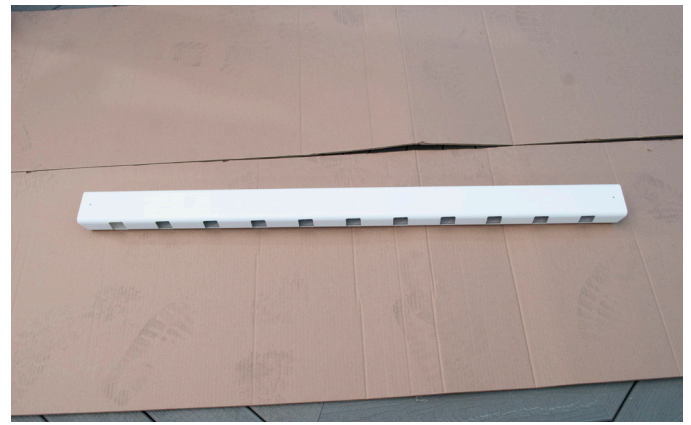
Install all remaining Vinyl Floor Trim.



# Post and Rail Assembly



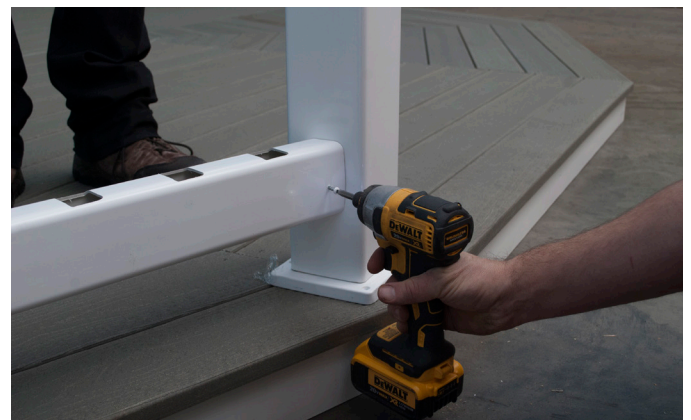
Locate the Door Post.  
(Door Post has two Railing Inserts only)  
(Ensure the long point is facing up and towards the inside of the gazebo)



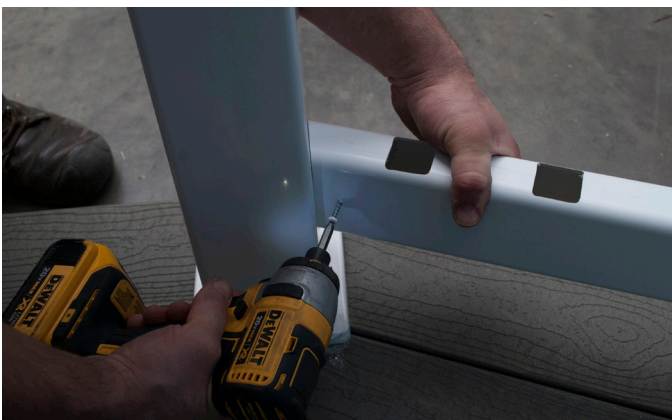
Locate the Bottom Rail Pieces



Slide Bottom Rail onto the Railing Insert, making sure the Spindle holes are facing up. Use the provided Spacer Block to hold the other end. (Note: make sure the Bottom Rail is tight against the Post.)



Fasten Bottom Rail to the Railing Insert on the outside using one (1) 1" Pan Head Screw.



Fasten Bottom Rail to the Railing Insert on the inside using one (1) 1" Pan Head Screw.



Locate the 1 1/2" Square Spindles



# Post and Rail Assembly



Place the Spindles into the Bottom Rail.



Working your way across place the Spindles into the holes of the T Rail.



Fasten T Rail to Railing Inserts on the inside and outside using one (1) 1" Pan Head Screw through pre-drilled holes.



Locate a Standard Post with Four Railing Inserts



Slide top and bottom Railing pieces onto Railing Inserts as Shown.



Push Railing sections tight against post and attach using one (1) 1" Pan Head Screw through pre-drilled hole, as shown.



# Post and Rail Assembly



Install all remaining Railing Sections, as shown in previous steps.



Your gazebo should look the same as the above assembly with railings installed.



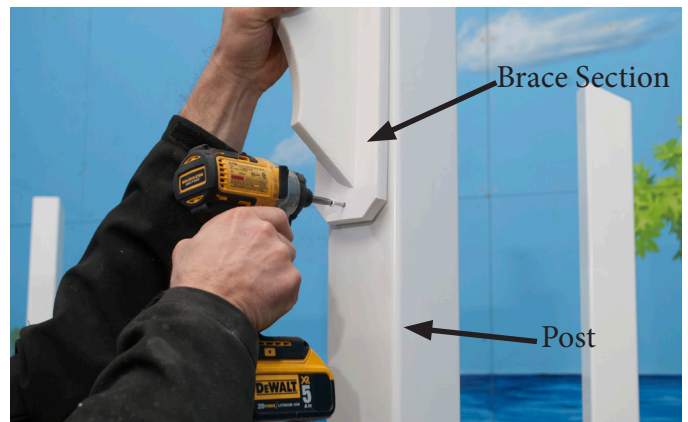
Locate the Brace Sections.



Place the Grooved Slot over vinyl sleeve.



Ensure Brace Section is tight against the Post.



Center Brace Section On Post and Fasten using 2 1/2" White Screws Through all Pre-drilled Holes.



# Post and Rail Assembly



Install remaining Brace Sections, as shown in previous steps.



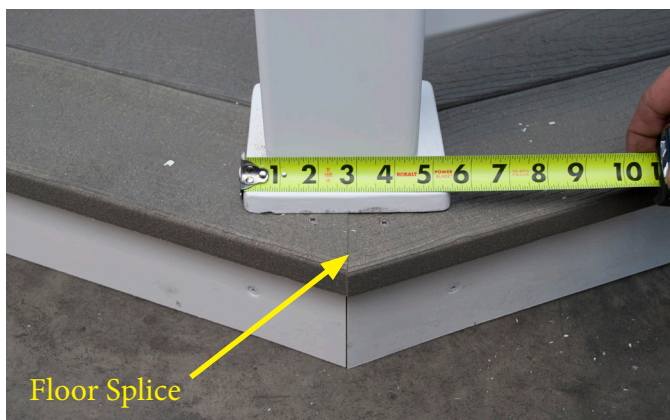
Your gazebo should look the same as the above assembly with Brace Sections installed.



Measure the opening at the top of the doorway.



Now measure the bottom of the doorway and adjust the Post to make the same dimension as the top.



Floor Splice

Center Post on floor splice.



Space each post an equal distance from the edge of the Floor.

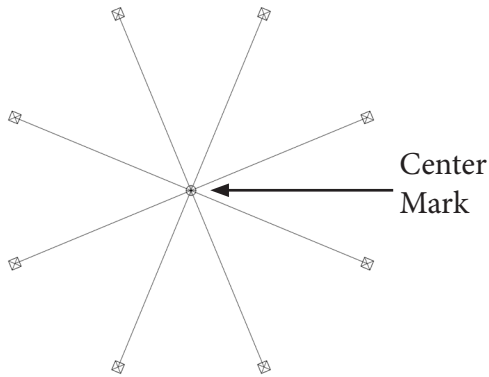


# Post and Rail Assembly



After all Posts and the Doorway are equally spaced and aligned, Fasten all the Posts to Floor at each corner using four (4) 2 1/2" White Screws.

If You did not purchase a floor with your gazebo, follow the next 2 steps to fasten the post.



Make a mark at the Center of where you want the gazebo. Measure Equal distance from the Center Mark to each Post.

If Attaching to concrete, use 1 3/4" Concrete Screws.  
If attaching to Wood Deck, use 2 1/2" White Screws.



# Roof Assembly



Prepare Roof Bolts by putting one (1) Acorn Nut and one (1) Washer on one end of the Roof Bolts as shown. **Do not tighten Nut.**



Locate the Double 2x4 Rafters.



Place the Double 2x4 Rafter into the slot at the top of the Post and align the hole in the Rafter to the holes in the Brace Section.



Place the Roof Bolt through the predrilled holes in the Brace Section.



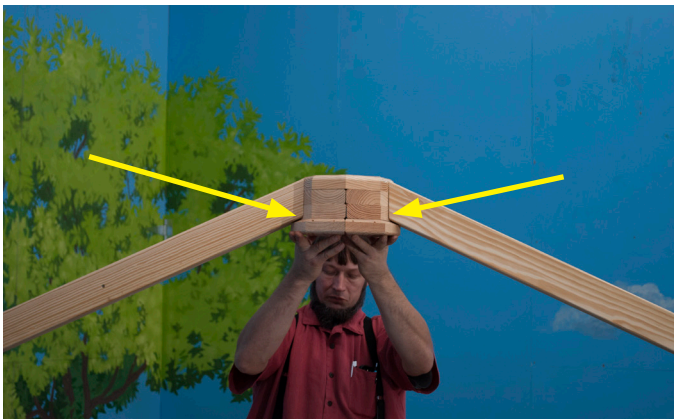
Put a Washer and Acorn Nut on the opposite end and hand tighten.



Install the Rafter directly opposite the previously installed Rafter, as shown in previous steps.



# Roof Assembly



Locate the Compression Ring.  
Lift Compression Ring into place and pull rafters down against the lip.



Attach Rafters to Compression Ring from the bottom up using two (2) 3" Screws per Rafter.



Install another Rafter as Shown in previous steps.



Continue to install the next Rafter opposite the third Rafter.



Continue to install all remaining Rafters, as shown in previous steps.



Ensure all Rafters are fastened to the Compression Ring. Two (2) 3" Screws into each Rafter.



# Roof Assembly



Locate the Roof Band Board.



Place edge of Roof Band Board in center of the Rafter.



Fasten the Roof Band Board to the Rafter using two (2) 3" Screws through pre-drilled holes.



If the Roof Band Board is Short on the opposite side push up on the 2x4 Double Rafter as shown on next step.



Push up on the Double Rafters in the center until the Roof Band Board is center of the Rafter and fasten using two (2) 3" Screws through pre-drilled holes.



Roof Band Board aligned and attached.



# Roof Assembly



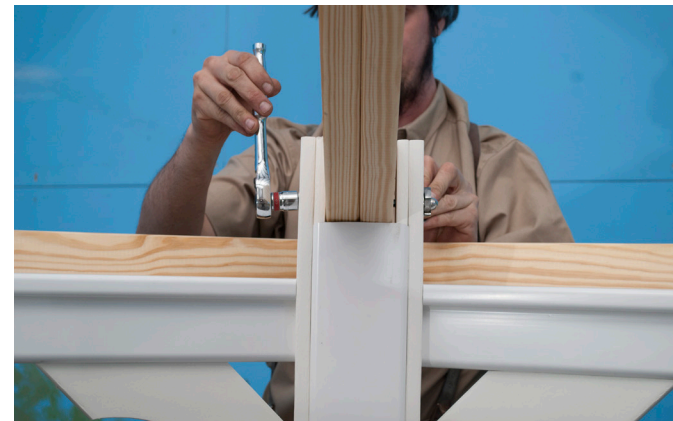
Lift next Roof Band Board into place.



Align the end with the previously installed Roof Band Board and attach with two (2) 3" screws.



Continue by attaching all remaining Roof Band Boards to Rafters.



Tighten Roof Bolts at all Post locations, using a 5/8" socket and wrench.



Locate the Tongue & Groove Boards, start with the longest one.



Center Tongue & Groove Board at Rafter Splice, align flush with Band Board.



# Roof Sheeting



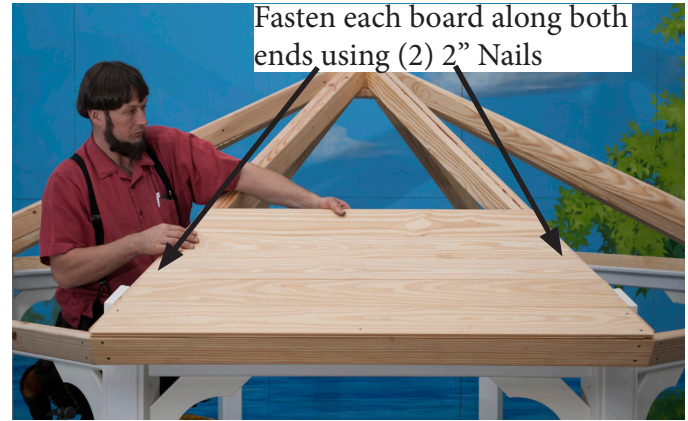
Fasten Tongue & Groove Boards to Rafters at each end using two (2) 2" Nails per End.



Align the Tongue & Groove Board to the Band Board and fasten in the center using one (1) 2" Nail.



Locate the second longest Tongue & Groove Board and place the Tongue into the Groove and fasten at each end using two (2) 2" Nails.



Work your way towards the peak of the roof, repeating the process shown in previous steps.



Install all remaining Tongue & Groove Boards at each section, as shown in previous steps.



All Tongue & Groove Boards Installed.



# Roof Sheeting



Locate the Hurricane Plates and bend slightly in the center.



Place the Hurricane Plate on top of the Tongue & Groove Boards.



Center the Hurricane Plate between the two roof panels and fasten the Hurricane Plate to the Rafters and the Band Board below using twelve (12) 3" 10D Nails.



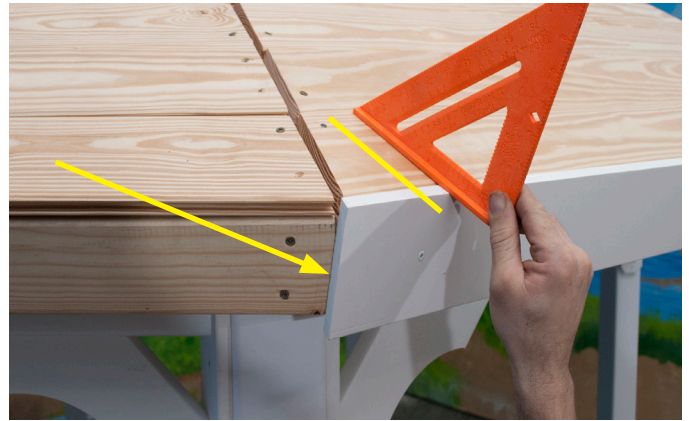
Hurricane Plate Installed.  
Install all remaining Hurricane Plates at each splice, as shown in previous steps.



# Roof Fascia



Locate the Vinyl Fascia Board.



Align the top of the Fascia Board with the top of the Tongue & Groove Boards and flush with the 2x4 Band Board at each end.



Fasten Vinyl Fascia to 2x4 Band Board at each end using one (1) 1 5/8" White Head Screws through pre-drilled holes.



Fasten Vinyl Fascia to 2x4 Band Board in the center using one (1) 1 5/8" White Screw.



Align adjacent Vinyl Fascia and attach to 2x4 Band Board, using previous steps.



Install all remaining Vinyl Fascia, using previous steps.



# Tar Paper



Locate the Tar Paper.



Start by placing the Large piece at the bottom as shown.



Fasten Tar Paper to Tongue & Groove Boards using a Hammer Tacker.



Place the Small piece of Tar Paper on top of the Large piece and overlap the Tar Paper by 2 inches. Fasten Tar Paper, as shown in previous steps.



Install all remaining Tar Paper on roof.



Locate the Ridge Tar Paper.



# Tar Paper



Center the Ridge Tar Paper and fasten at the bottom using a Hammer Tacker.



Roll Tar Paper up the Ridge and fasten Tar Paper to Ridge approximately every 6 inches.



Install remaining Ridge Tar Paper, as shown in previous steps.



Tar Paper installed.

Your Gazebo is now ready for shingles and good times!



Congratulations!  
Enjoy your new Gazebo!



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by Lapp Structures

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