

Octagon Cedar Gazebo



Assembly Manual

Cedar Gazebo Assembly Manual

Thank you for your purchase of this Cedar Gazebo. This manual is designed to simplify the assembly process, however we recommend having an experienced carpenter involved in the project. Please read through the entire manual before starting!

The Gazebo put together for this manual was a 12' Oct. 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



(2) 6'
Step
Ladders



Cordless
Drill



25' Tape
Measure



Utility
Knife



Ratchet with
 $\frac{5}{8}$ " Socket



Hammer
Drill



Hammer
Tacker



Speed
Square

Parts List



2 1/2" Screws



2 1/2" S. S. Screws



3" Screws



1 3/4" Concrete
Screws



2" Nails



3/8"x5" Roof Bolts



10 D Nails



Square Drive & Hex
Drive Bit



Concrete drill bit



Hurricane Plates



L Brackets



4" Timber Lock
Screws



1 1/4" Screws



1 5/8" Screws



Sand Paper



Railing Spacer Block

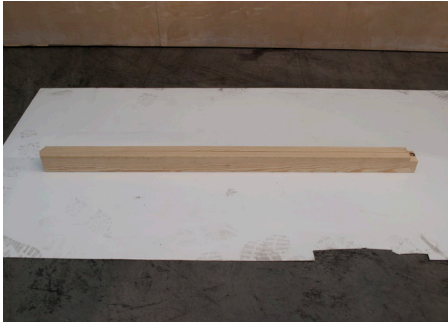


Cedar Floor Trim



Ridge Tar Paper

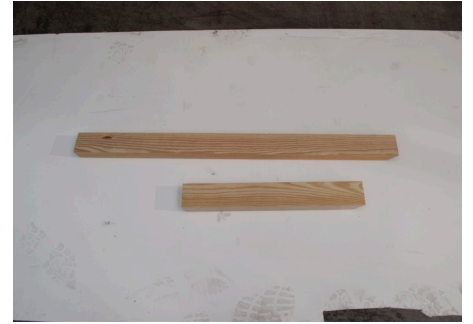
Parts List



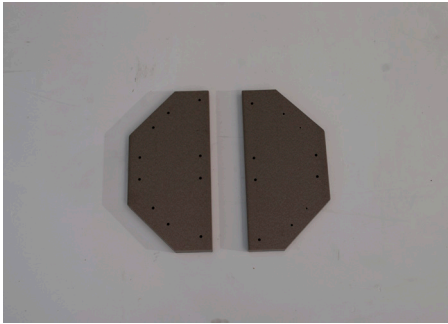
Double 2x4 Floor Joist



Floor Band Board



Diagonal Floor Joist



Floor Joist Connection Plate



Floor Boards



Center Floor Boards



2 Outside ply & 1 Inside Ply Posts Boards



Brace Section



Hand Rail, 1x3 Spindles & 2x3 Bottom Rail



Double 2x4 Rafter



T&G Board



Roof Band Board



Compression Ring



Post Trim



Roof Fascia



Tar Paper

Floor Assembly



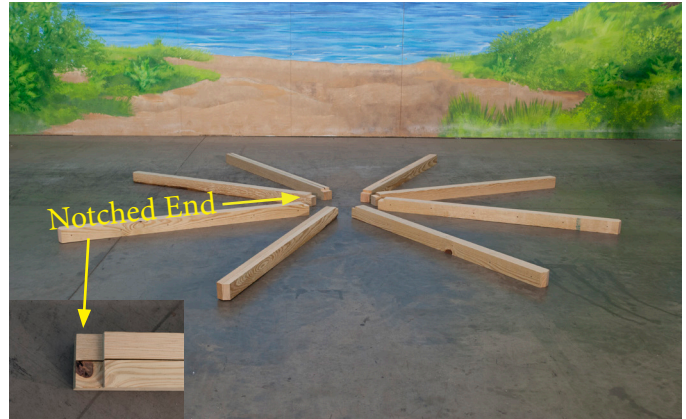
Set your Gazebo Package as close to the building site as possible.



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.



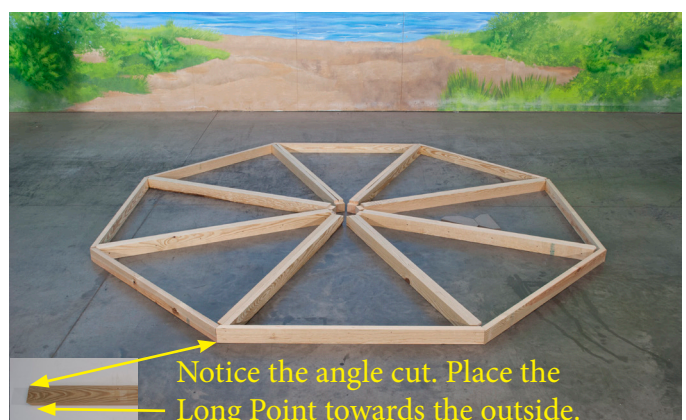
Locate the Double 2x4 Floor Joists.



Lay out the Double 2x4 Floor Joists. Ensure the notched ends are towards the Center and Facing Up.



Locate the 2x4 Floor Band Boards, Place the Band Boards around the Perimeter of the 2x4 Joists.



Joists and Band Boards Placed.

Floor Assembly



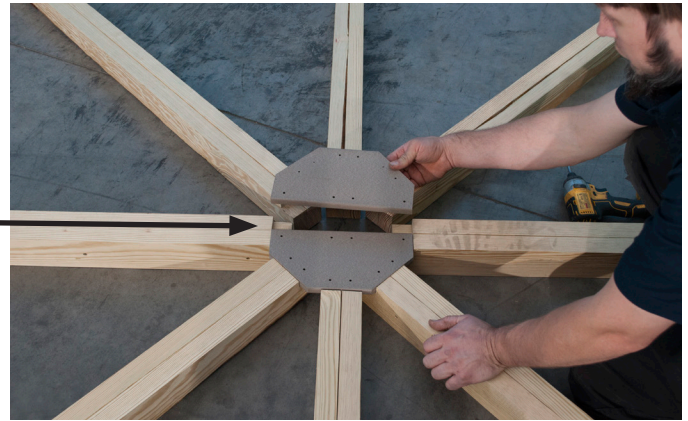
Align the short point of the 2x4 Band Board with the long point of the Joist and Fasten Band Board to Joist using (2) 3" Brown Screws through Pre-drilled Holes.



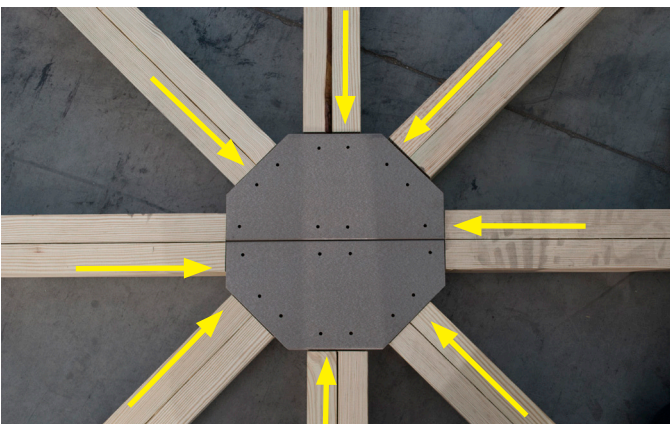
Align Long Point of adjacent 2x4 Band Board and attach to Joist using 3" Brown Screws through predrilled holes.



Install remaining Band Boards using previous steps.



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



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



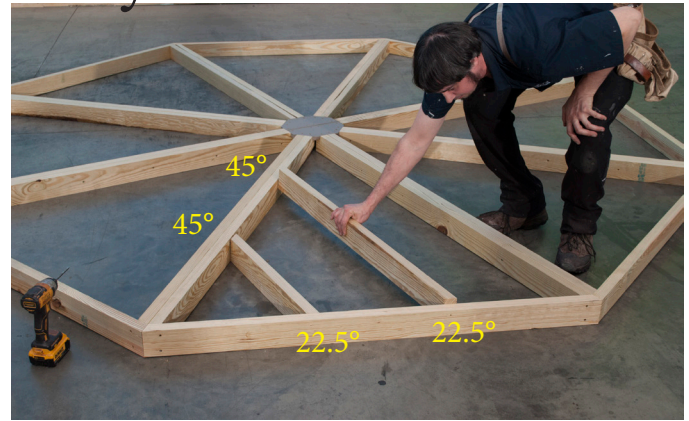
The four holes in the center will not be used with this configuration.

Fasten Connection Plate to each Joists using (2) 3" Screws through predrilled holes.

Floor Assembly



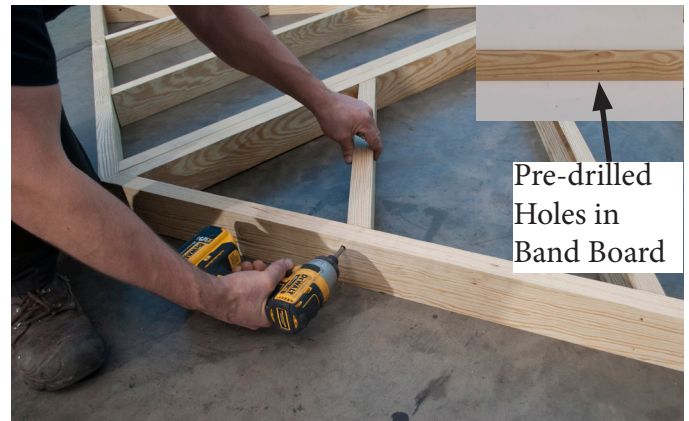
Locate the Diagonal Floor Joists.



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



Place remaining Diagonal Floor Joists in Place as shown.



Align the center of the 2x4 Diagonal Joists with the predrilled Holes in the 2x4 Band Board and Fasten Using (2) 3" Screws Through Pre-drilled holes.



Fasten the 45° angled end to the Double 2x4 Joist using (2) 3" Screws through pre-drilled holes as shown.



Fasten remaining Diagonal Floor Joist using previous steps.

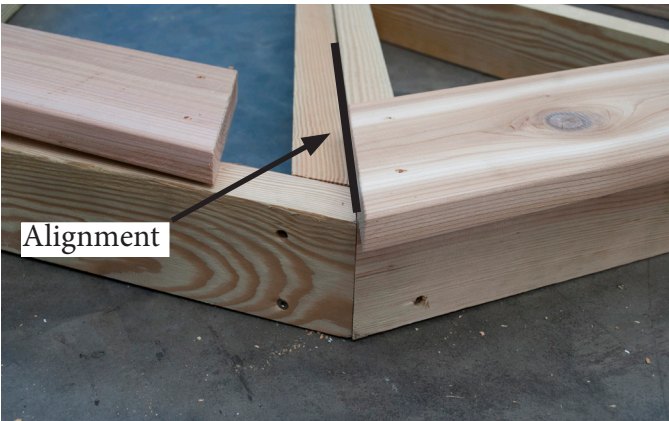
Floor Assembly



Locate the Longest Floor Boards.



Place each of the Longest Floor Boards around the outside perimeter of the floor.



Align Floor Board at center of Double Joist.



Keeping the Floor Board aligned with the center of the Double Joist at each end, Measure from the Band Board to the outside edge of the Floor Board. Adjust to create equal distance on both ends.



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

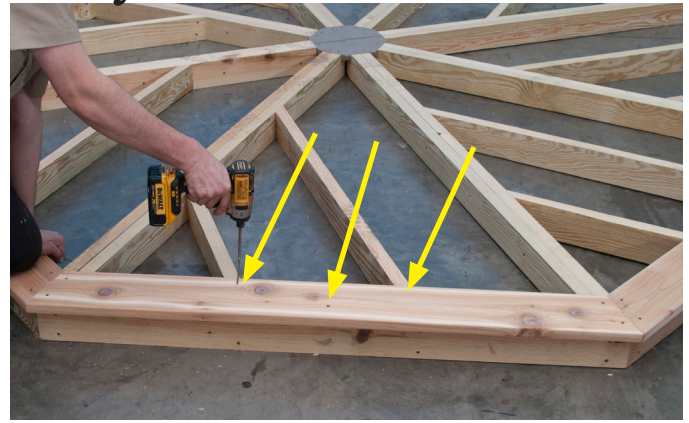


Fasten opposite end using previous step.

Floor Assembly



Using the previous steps continue around the outside of the Floor and attach all remaining Long Floor Boards.

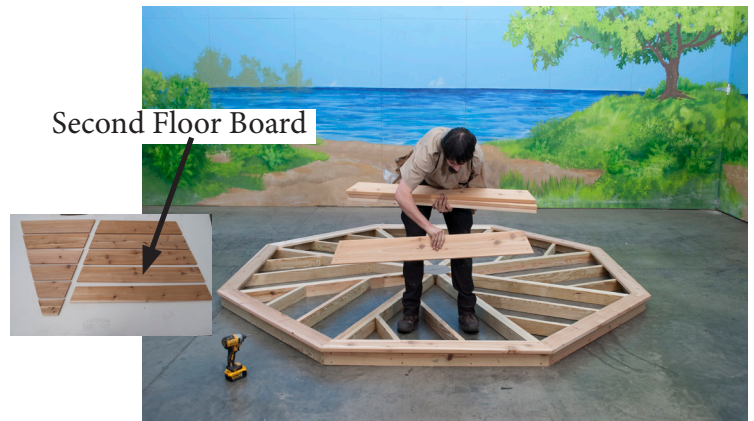


Pre-drill one $\frac{3}{16}$ " hole through Floor Boards above each 2x4 Diagonal Floor Joist and (1) hole in the center into Band Board. Then fasten using 2 $\frac{1}{2}$ " Screws at the pre-drilled locations..



Using Previous step Drill Holes and fasten remaining Longest Floor Boards.

Second Floor Board



Locate the Second Floor Boards.



Lay out the Second Floor Boards before attaching any of them.

Floor Assembly



Ensure angled ends are Tight together. There should be a small gap between the First & Second Floor Boards. Ensure there is an equal gap all the way around.



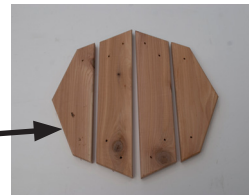
Fasten the Second Floor Boards using previous steps.



Using previous steps install the Third Floor Boards.



Using Previous steps install all remaining Floor Boards.



Locate the Center Floor Boards.

Floor Assembly



Place Center Floor Boards as shown.



Space the Center Floor Boards equally. There will be a small gap between each Board.



Fasten Center Floor Boards to Joist using 2 1/2" Screws through all pre-drilled holes.

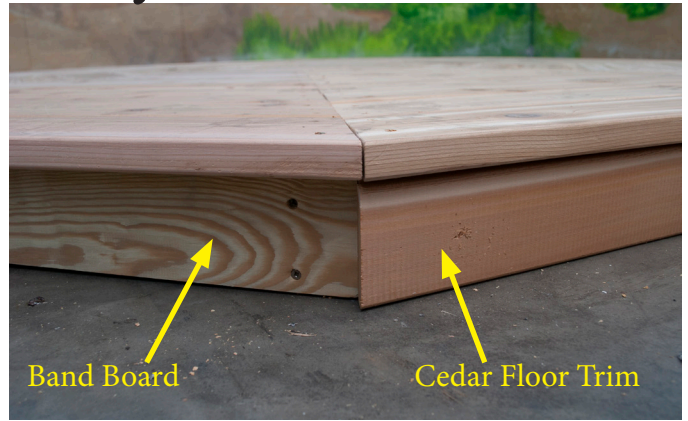


Using a 3/16" Drill Bit, drill through the Floor Boards into the 2x4 Diagonal joist and fasten using 2 1/2" Screws. (1) Screw in each Floor Board.

Floor Assembly



Locate the Cedar Floor Trim.



Place the Cedar Floor Trim Underneath the Floor Boards and flush with the corner of the 2x4 Band Board.



Fasten the Cedar Floor Trim to the 2x4 Band Board using (3) 1 5/8" Screws through predrilled holes.



Align adjacent Cedar Floor Trim and Fasten using previous steps.

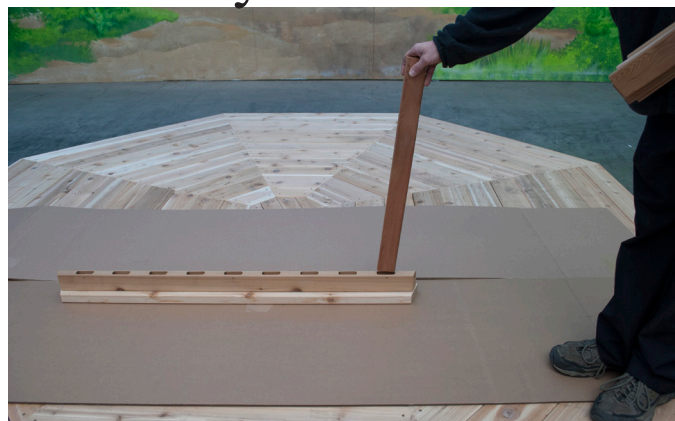


Using previous steps install remaining Cedar Floor Trim.

Post and Rail Assembly



Locate the Cedar Hand Rail and place on a clean flat surface.



Locate the 1x3 Spindles. Place the 1x3 Spindles into the Pockets of the Cedar Hand Rail.



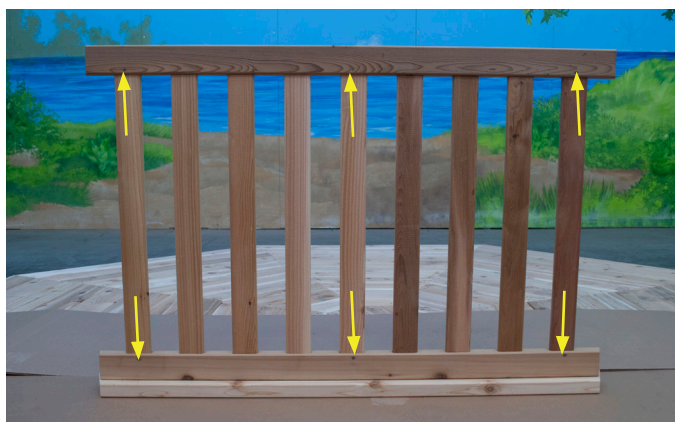
Spindles Placed into Hand Rail.



Locate the 2x3 Bottom Rail and Place 1x3 Spindles into the Pockets in the 2x3 Bottom Rail as shown.



Fasten 1x3 Spindles to 2x3 Rail using (6) 1 1/4" Screws through predrilled holes.



(6) 1 1/4" Screw Locations.

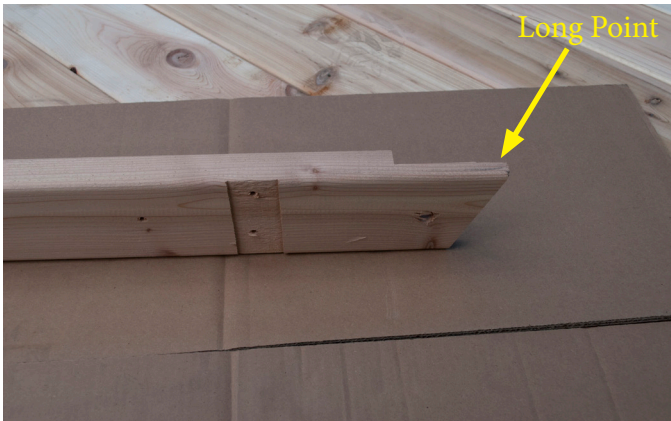
Post and Rail Assembly



Place the assembled Bottom Rail Sections off to the side.



Locate the Outside Post Plys and place on a clean level surface.



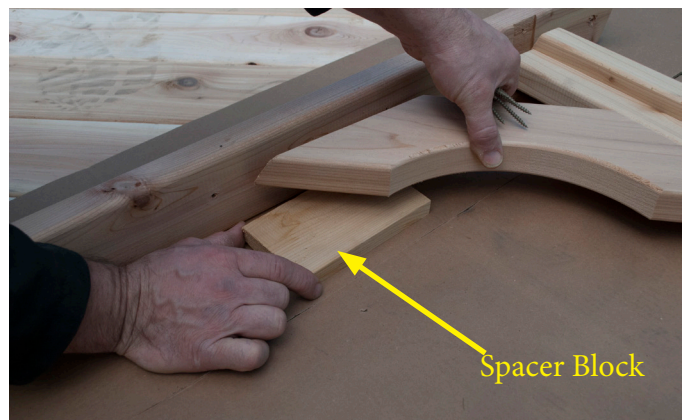
Ensure the long Point is facing up.



Place the second Outside Post Ply approximately 4' away from the first one as shown.



Place the Brace Section Between the two 2x4 Posts Plys.

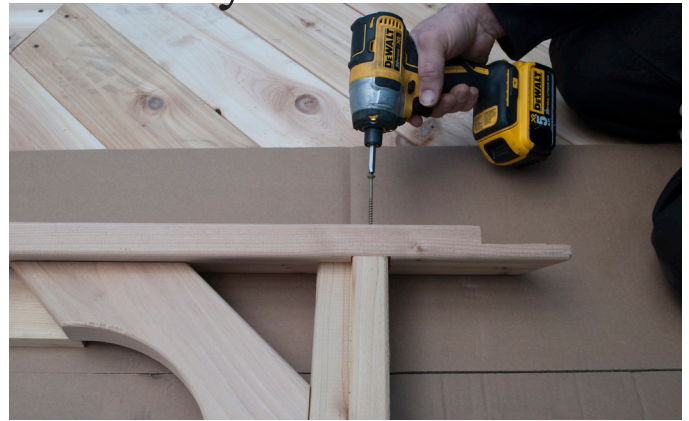


Locate and place the Spacer Block underneath the Brace.

Post and Rail Assembly



Place the Brace Section in the notch in the Outside Post Ply.



Push Brace sections Tight against Post Ply and attach using 3" Screws Through predrilled holes as shown.



Fasten the opposite end of the Brace Section to the second Outside Post Ply.



Brace Section installed.



Place a Bottom Rail Section between the Outside Post Plies, on top of the Spacer Block as shown.



Place the Bottom Rail Section in the notch in the Outside Post Ply.

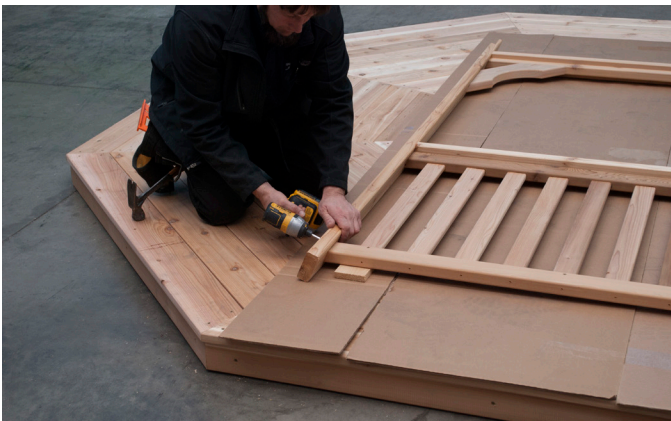
Post and Rail Assembly



Push Bottom Rail section Tight against Post Ply and attach using 3" Screws Through predrilled holes as shown.



Fasten using 3" Screws.



Fasten the opposite end of the Bottom Rail Section to the second outside Post Ply.

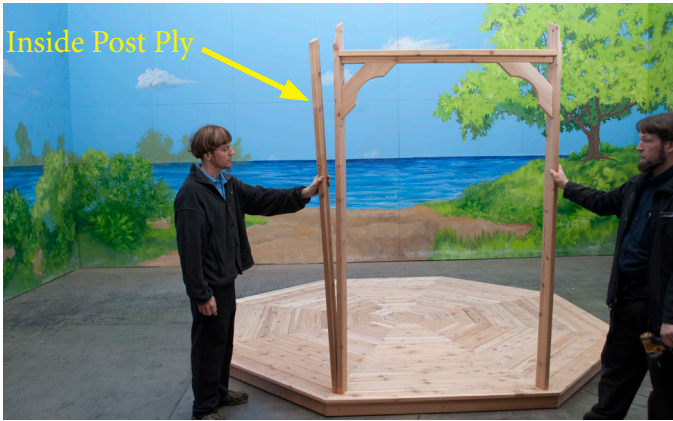


Railing and Brace Sections installed.



Using previous steps, assemble remaining Post & Rail Sections. You will have (1) Section that will not have a Bottom Rail Section. This is for the doorway.

Post and Rail Assembly



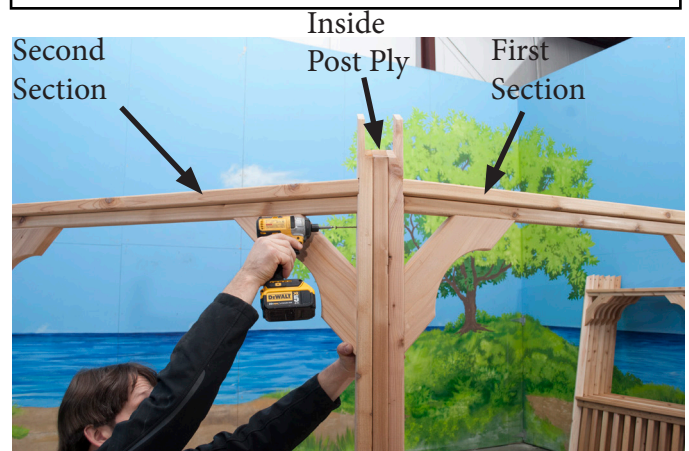
Start with the door section. Locate the Inside Post Ply.



Align the angle cut of the Inside Post Ply with the Outside Post Ply. Fasten using 2 1/2" Screws through Pre-Drilled holes.



Place a Post & Rail Section against the first section.



Push tight against the first section and fasten with 2 1/2" Screws through Pre-Drilled holes.



Fasten with 2 1/2" Screws through Pre-Drilled holes.

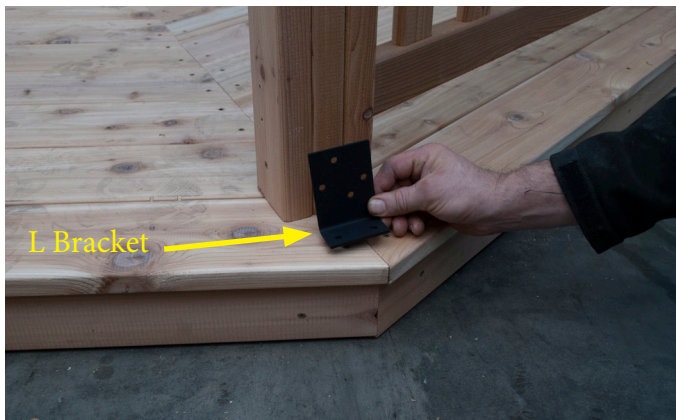


Fasten with 2 1/2" Screws through all Pre-Drilled holes.

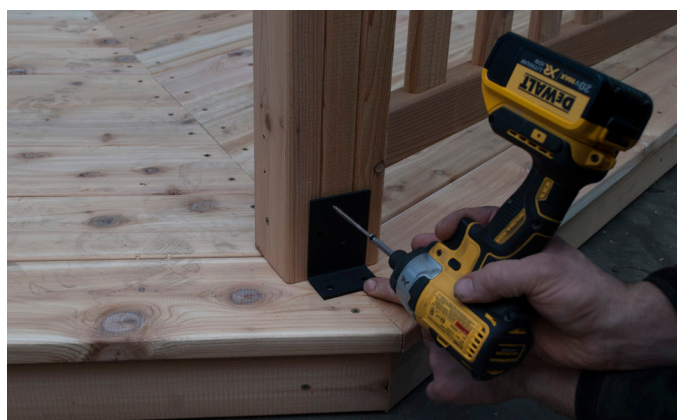
Post and Rail Assembly



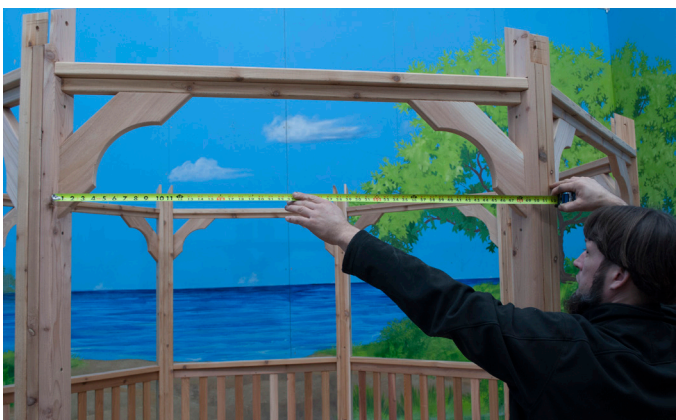
Using previous steps, install all remaining Post & Rail Sections.



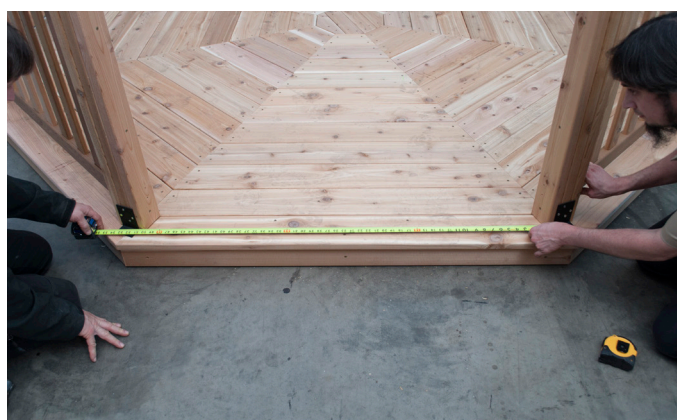
Locate the L Brackets.



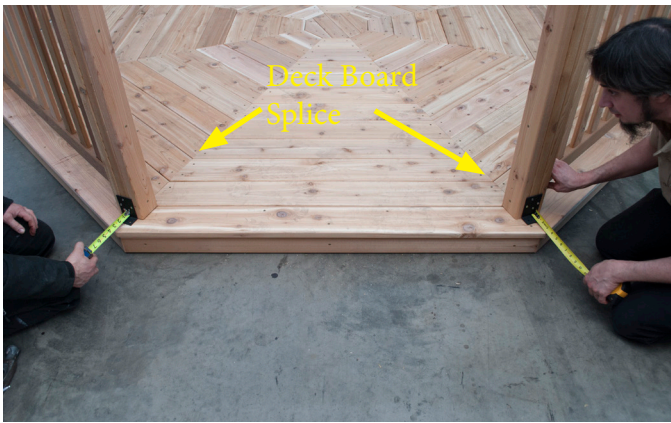
Center the L Bracket on the Post and fasten with (4) 2 1/2" S S Screws. Install (1) L Bracket on each Post.



Measure the opening at the top of the doorway.



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



Keeping the door measurement in place, Space each post an equal distance from the edge of the floor. And center the Post on the Deck Board Splice.

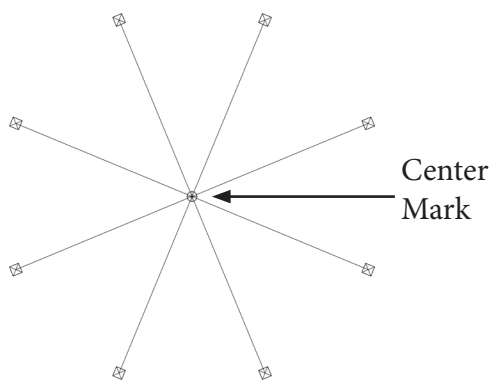


Using a $\frac{3}{16}$ " wood drill bit, drill into the Deck Boards through the holes in the L Bracket.



Fasten L Bracket to the Floor with (2) 4" Timber Lock Screws through Pre-Drilled holes. Repeat these steps at each Post location.

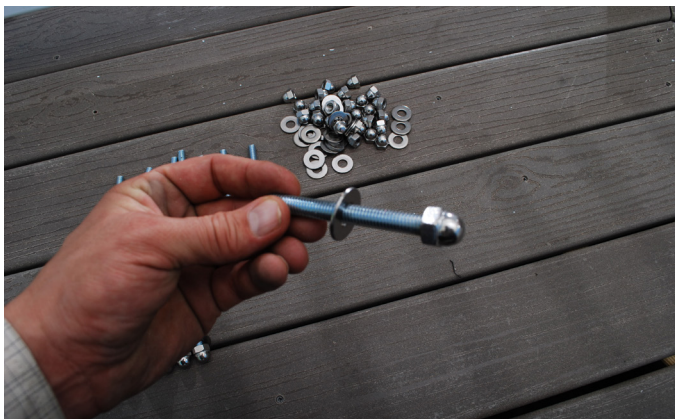
If You did not purchase a floor with your gazebo, Follow the next 2 steps to fasten the post.



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 $\frac{3}{4}$ " Concrete Screws. If attaching to Wood Deck, use 4" Timber Lock Screws.

Roof Assembly



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



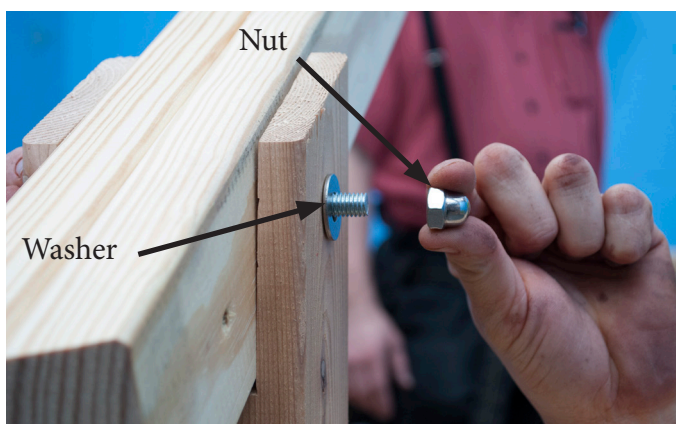
Locate the Double 2x4 Rafter.



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



Place the Roof Bolt through the pre-drilled holes in the Post and 2x4 Double Rafter.



Put a washer and nut on the opposite end, and hand tighten.



Only hand tighten for now.

Roof Assembly



Using Previous steps install the Rafter directly opposite the previously installed Rafter.



Locate the Compression Ring.
Lift Compression Ring into place.



Pull rafters down against the lip on the Compression Ring. Attach Rafters to Compression Ring from the bottom up using (2) 3" Screws per Rafter.



Using Previous steps install another Rafter as Shown.



Continue to install the next Rafter opposite the third Rafter.

Roof Assembly



Continue to install all remaining Rafters using previous steps.



Ensure all Rafters are fastened to the Compression Ring.



All Screws installed.

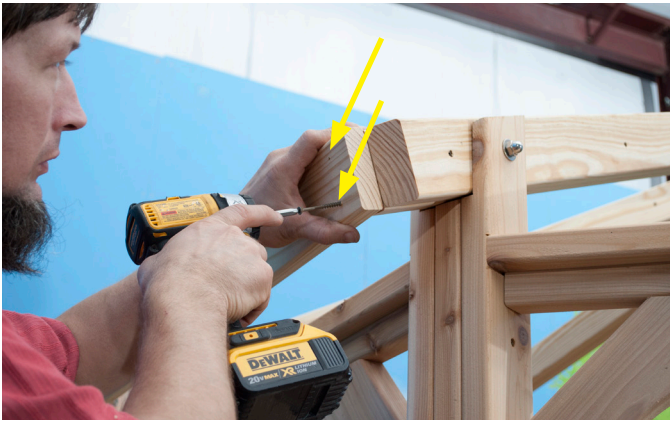
Roof Assembly



Locate the Roof Band Board.



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



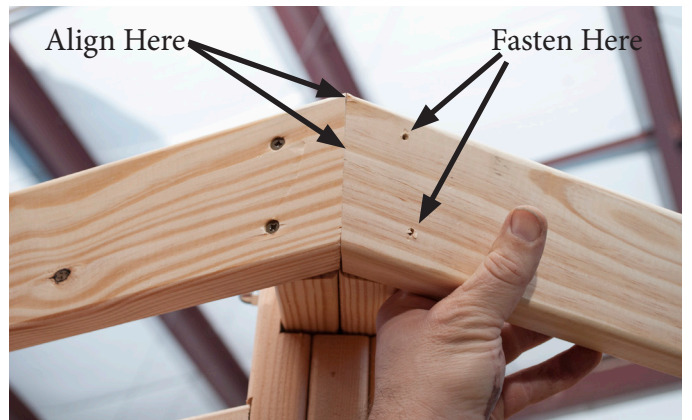
Fasten Roof Band Board to the Rafter using (2) 3" Screws through pre-drilled holes.



If Roof Band Board is Short on the other side, Push up on the Double 2x4 Rafters in the center until the Roof Band Board is center of the Rafter



Fasten using (2) 3" Screws through pre-drilled holes.



Lift next Roof Band Board into place. Align the end with the previously installed Roof Band Board. Fasten with 3" Screws.



Using Previous steps, install all remaining Roof Band Boards.



Tighten Roof Bolts at all Post locations, using a $\frac{5}{8}$ " socket and wrench.



Locate the 1x6 T&G Boards, Start with the longest one.



Center 1x6 T&G Board at Rafter Splice, align Flush with the Roof Band Board.



Fasten 1x6 T&G Boards to Rafters at each end using (2) 2" Nails per End.



Align the 1x6 T&G Board to the Band Board and Fasten in the center Using (1) 2" Nail.



Locate the second to longest 1x6 T&G Board and place the Tongue into the groove and fasten at each end using (2) 2" Nails per end.



Fasten each board along both ends using (2) 2" Nails

Using Previous steps work your way towards the peak of the roof.



Using previous steps install all remaining 1x6 T&G Boards at each section.



Roof Fascia Board

Locate the Roof Fascia Board.



Align the top of the Roof Fascia Board with the top of the 1x6 T&G Boards and flush with the Roof Band Board at each end.



Fasten Fascia Board to Roof Band Board using 1 5/8" Screws through Pre-Drilled holes.



Screw Locations.



Align adjacent Fascia Board and attach to Roof Band Board using previous steps.



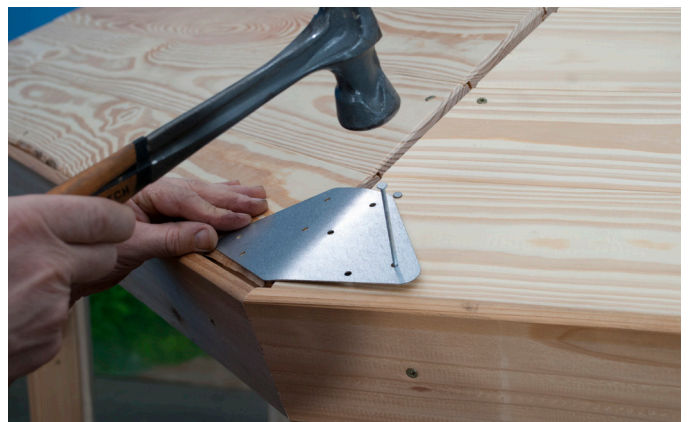
Install all remaining Fascia Boards using previous steps.



Locate the Hurricane Plates and bend slightly in the center.

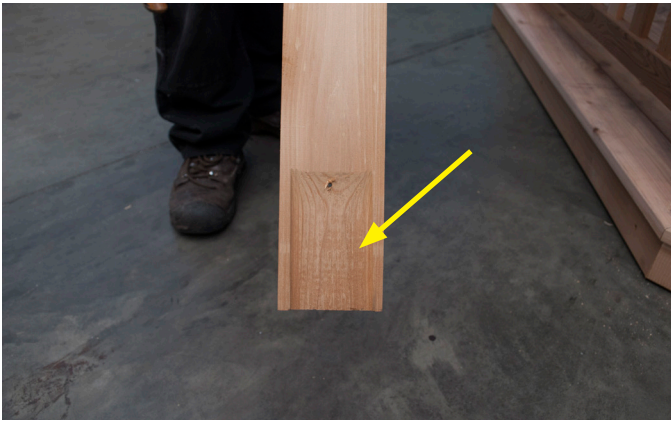


Place the Hurricane Plate on top of the 1x6 T&G Boards. Center the Hurricane Plate between the 2 roof panels and fasten the plate to the rafters and the Band Board below using (1) 10 D Nail in each hole.



Center the Hurricane Plate between the two roof panels and fasten the plate to the rafters and the Band Board below using 10 D Nails. Using previous steps install 1 Hurricane Plate at each Roof Splice.

Post Trim



Locate the Post Trim. Notice the notch on the one end of the Post Trim.



Place against the outside of the Post.



Set on top of the L Bracket and center on Post. Fasten with 1 $\frac{5}{8}$ " Screws.



Fasten with 1 $\frac{5}{8}$ " Screws through all Pre-Drilled holes.



Install the rest of the Post Trim on the outside of each Post.



Locate the Post Trim with no notches.



Center on the Post and fasten with 1 $\frac{5}{8}$ " Screws.



Keeping the Post Trim centered on the Post, work your way down and fasten through each Pre-Drilled hole with 1 $\frac{5}{8}$ " Screws.



Using previous steps, install the Post Trim on the inside of each Post.



Locate the Pre-Cut Tar Paper. Place the Large piece at the bottom as shown.



Fasten Tar Paper to T & G using a Hammer Tacker.



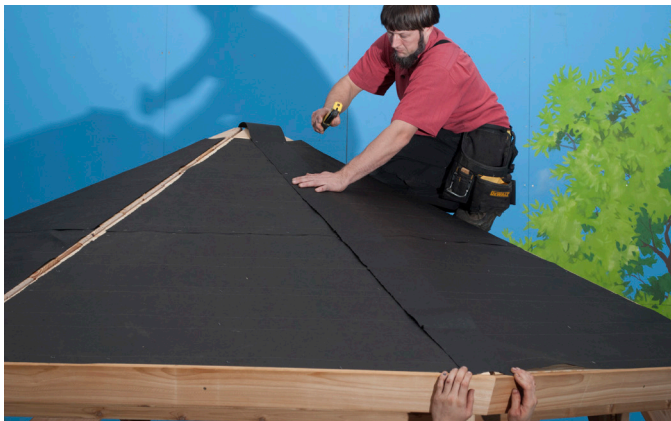
Place the Small Tar Paper piece on the top side. Overlap the Small piece over the Large piece by 2". Fasten using a Hammer Tacker.



Using previous steps, install the Tar Paper on each Roof Section as shown.



Locate the Ridge Tar Paper.



Center the Ridge Tar Paper and Fasten using a Hammer Tacker.



Using Previous steps install remaining Ridge Tar Paper.



Tar Paper installed.

Shingles Are Not Included

Congratulations!

Enjoy your New Gazebo



YardCraft
by Lapp Structures
rediscover life outdoors

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*191 Jalyln Drive
New Holland PA 17557
1-844-442-1615*