Oval Vinyl Gazebo



Assembly Manual

Oval 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 experienced carpenter involved in the project. <u>Please read through the entire manual before starting!</u>

The Gazebo put together for this manual was a 12'x18' Oval. This manual can also be used for other sizes. It took 2 men, approximately 10 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.



Parts List



Parts List



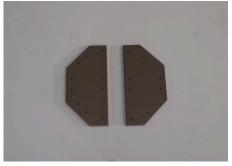
(8) Double Floor Joist



(8) Angle Cut Floor Band Board



(8 of each size) Diagonal Floor Joist



(2) Floor Joist Connection Plate



(8 of each size) Angled Deck Boards



(8) Angle Cut Floor Trim



(10) Posts



(10) Brace Section



(9) Bottom Rail, (9) T Rail, & (99) Spindles



(8) Double Rafter



(8 of each size) Angle Cut Tongue & Groove Board



(8) Angle Cut Roof Band Board



(1) Compression Ring



(8) Angle Cut Roof Trim

Parts List



Hip & Ridge Tar Paper

(8) Tar Paper

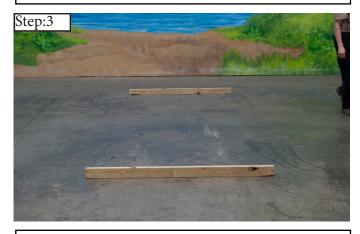
Gazebo, start on Step

82 at the Post and Rail

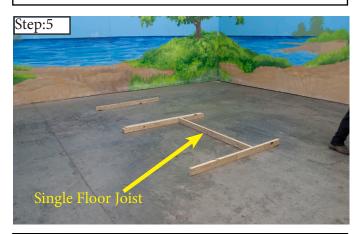
Assembly.



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



Start by laying out the center floor section. Locate the Outside Straight Cut Band Board. Place approximately 13' apart as shown.



Locate the Single Floor Joist. Place in between the Outside Straight Cut Band Board and the Center Floor Joist.



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.



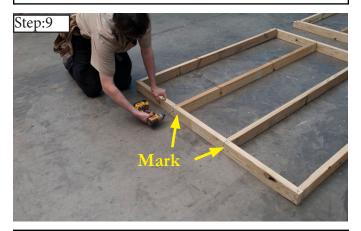
Locate the two Center Floor Joist With Notches. Place in the center of the two Outside Straight Cut Band Boards with the notches facing up.



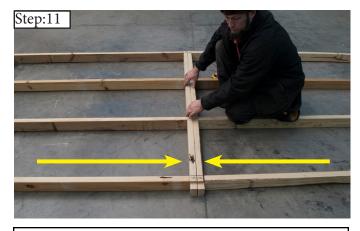
Lay the rest of the Single Floor Joist in place.



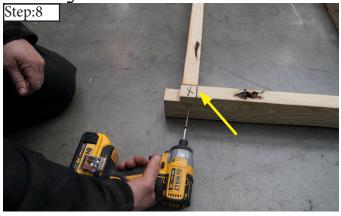
Make the Single Joist Flush with the Band Board, both ways, and fasten with two (2) 3" Screws through Pre-Drilled Holes.



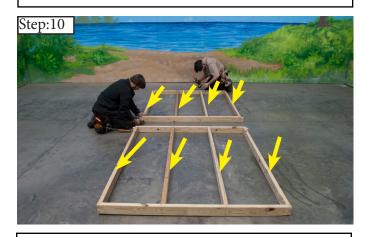
Fasten all remaining Single Floor Joist, as shown in Steps 7 and 8. Align the Single Floor Joist with the marks on the Band Board and Center Floor Joist.



Pull the two sections together at the Center Floor Joist.



Fasten the opposite side of the Single Floor Joist to the Center Floor Joist with two (2) 3" Screws. Make flush on top and align with the mark on the Center Floor Joist.



All Single Floor Joist being fastened.



Fasten the two section together with 3" Screws. See next Step for Screw locations.



Two (2) 3" Screws at each Single Joist location, one (1) on each side of the Center Floor Joist.



Locate the Double Floor Joist.

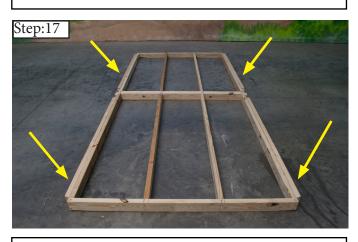


Reverse the Screws so the two plies come apart.

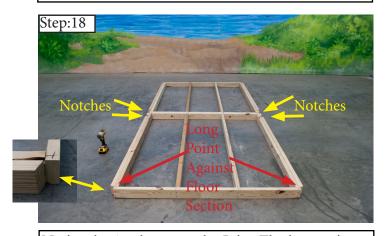


Double Floor Joist apart.

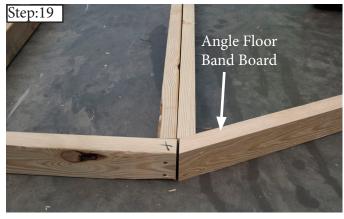
Only Do This On Two of The Double Joists.



Place one Ply of the Floor Joist from Step 16 on each side of the Floor Sections. See Step 18 for the alignment of the cut on the Joist.



Notice the Angle cut on the Joist. The long point goes against the Floor Section, and the notch towards the center.



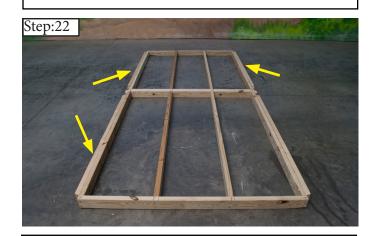
Locate the Angle Cut Floor Band Board. Hold in place as shown.



Push the Angled Band Board tight against the Straight Band Board. While holding this in place, Fasten the Floor Joist Ply to the Single Floor Joist with 2 ½" Screws.



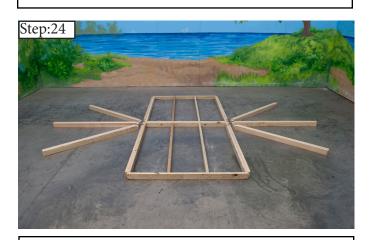
Fasten all remaining screws at these locations.



Repeat Steps 19-21, to install the remaining three Joists.



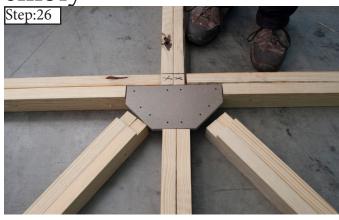
Locate the remaining Double Floor Joists.



Place the Double Floor Joists, as shown.



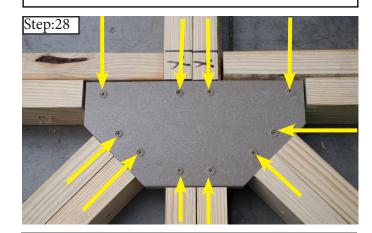
Locate the Floor Joist Connection Plate.



Place in the notch.



Align the Double Floor Joist as shown, and fasten the Joist connection plate with 3" Screws into each pre-drilled hole.



Screw locations for Connection Plate.



Install the second Floor Joist Connection Plate, as shown in Steps 25-28.



Locate the Angle Cut Floor Band Boards.



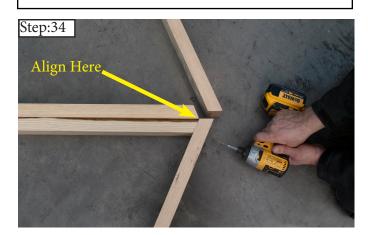
Place all the way around the outside.



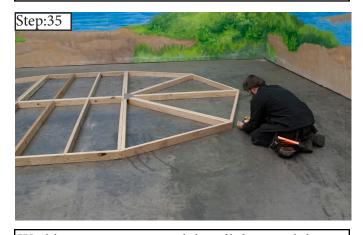
Continue placing all the Angle Cut Floor Band Boards around the outside.



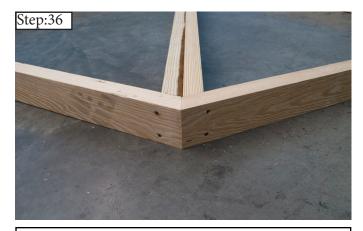
Starting against the Center Floor Section, install the Angle Cut Floor Band Board with two (2) 3" Screws through pre-drilled holes.



Align the other end with the center of the Double Floor Joist and fasten with two (2) 3" Screws through Pre-Drilled Holes.



Working your way around, install the remaining Angle Cut Floor Band Boards, as shown in Steps 33 and 34.



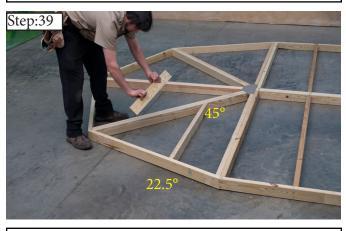
This is what the alignment should look like.



All Floor Band Boards installed.



Locate the Diagonal Floor Joists.



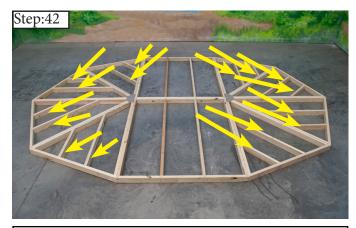
Place the 45° angle against the Double Joist and the 22.5° against the Band board



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

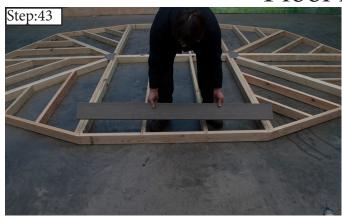


Fasten the 45° angled end to the Double 2x4 Joist using two (2) 3" Brown Screws.



Install the remaining Diagonal Floor Joist, as shown in Steps 38-41.

Step:46



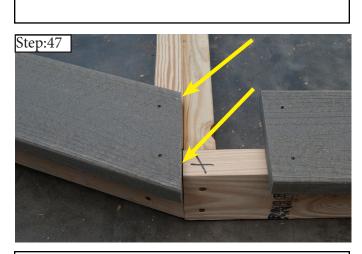
Locate the Straight Cut Deck Boards and the Angled Deck Boards. Place the Straight Cut Deck Board down as shown.



Locate the longest Angled Deck Boards. Place the Deck Boards all the way around the perimeter.



Make Sure the overhang is consistent along the entire outside edge of the Deck Board.



Keeping the overhang consistent along the edge, align both ends of Floor Board at center of Double Joist.



Fasten both ends of Floor Board to Joist using two (2) 2 ½" Deck Screws through pre-drilled holes.



Continue around the outside of the floor and place the adjacent Deck Board against the first Deck Board and fasten, as shown in Steps 46-48.



Work your way around the perimeter and install all remaining Deck Boards.

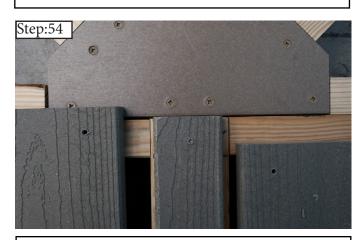


Locate the rest of the Straight Cut Floor Deck Boards and place in line as shown.





Locate the smaller Deck Board and place in the center of the Floor Section.



Place the smaller Deck Board directly in the center as shown.



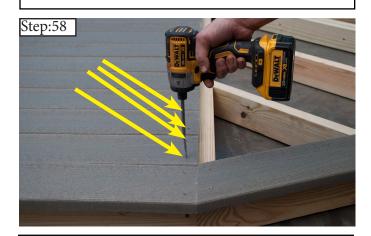
Fasten at both ends using one (1) $2\frac{1}{2}$ " Deck Screw through pre-drilled holes.



Install two (2) more Screws in the center.



There will be a gap between each Deck Board. Adjust the Deck Boards so there is an equal gap between each Deck Board.



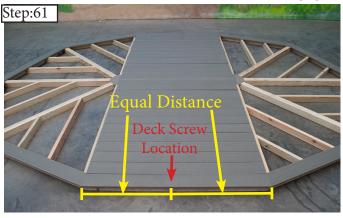
Align the Deck Board with the center of the Double Floor Joist. Fasten with 2 ½" Deck Screws through pre-drilled holes. Two (2) Screws into each end of each Deck Board.



Keeping the Deck Boards aligned with the center of the Double Floor Joist and keeping an equal gap between each Deck Board, fasten both ends of all remaining Deck Boards with 2 ½" Deck Screws through pre-drilled holes..



Fasten the ends of all remaining Deck Boards.



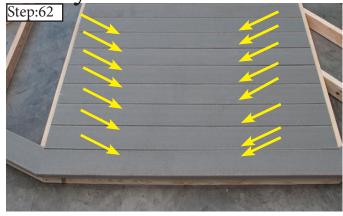
Pre-drill one (1) ³/₁₆" hole through Deck Boards into the Band Board below at the Red arrow location. Then fasten using 2 ¹/₂" Deck Screw.



Locate the remaining Angled Deck Boards and place them all the way around.



Fasten through pre-drilled holes with 2 ½" Deck Screws through pre-drilled holes. Two (2) Screws at each end of each Deck Board.



Using the pattern shown above, pre-drill a $\frac{3}{16}$ " hole through Deck Boards at the Single Joist Locations. Then fasten using 2 $\frac{1}{2}$ " Deck Screws.



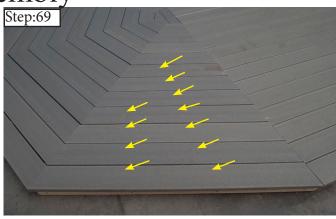
Ensure Deck Boards are tight together at the angle cut. There should be a small gap between the first and second round of Deck Boards. Ensure there is an equal gap all the way around.



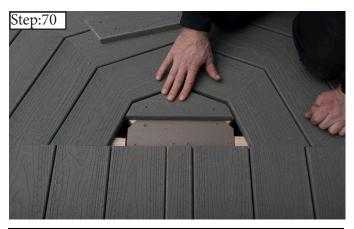
Continue fastening through pre-drilled holes all the way around.



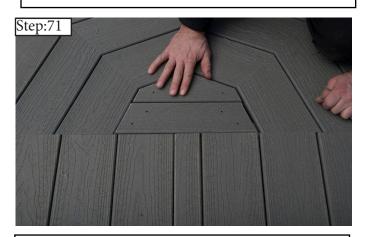
Using Steps 63-67, install all remaining Angled Deck Boards.



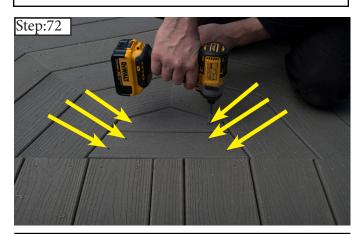
Using a 3/16" Drill Bit, drill through the Deck Boards into the single joist and fasten using 2 ½" Deck Screws. Place one (1) Screw in each Deck Board.



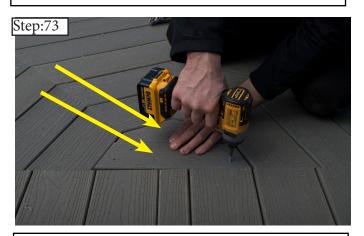
Locate the Center Deck Boards.



Place Center Deck Boards as shown.



Space equally and fasten with six (6) 2 ½" Deck Screws through pre-drilled holes.



Install the Center Deck Boards on the opposite side, as shown in Steps 71 and 72.



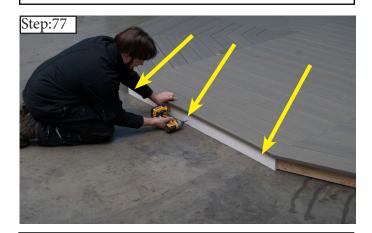
Locate the Straight Cut Floor Trim.



Place the Floor Trim underneath the Deck Boards, and against the Band Board.



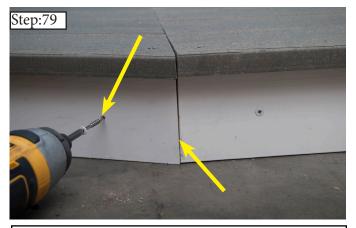
Make flush with the corner of the Band Board and up against the Deck Boards. Fasten with 1 5/8" White Screws through pre-drilled holes.



Fasten at three (3) locations through pre-drilled holes.



Locate the Angle Cut Floor Trim.



Align the adjacent Floor Trim and fasten through pre-drilled holes with 1 5/8" White Screws.

Post and Rail Assembly

Step:81



Install all remaining Floor Trim, as shown in previous steps.



Locate the Bottom Rail Pieces



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

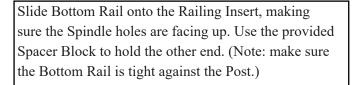


Locate the Door Post.

The Door Post has two Railing Inserts only.

Ensure the long point is facing up and towards the







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

Post and Rail Assembly

Step:87



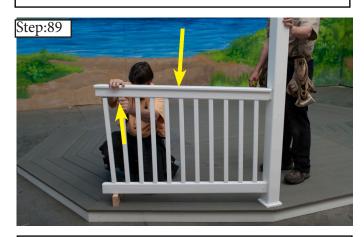
Locate the 1 1/2" Square Spindles



Place the Spindles into the Bottom Rail.



Locate the top T Rail. Slide T Rail into the Railing Insert as shown.



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 1" Pan Head Screws through pre-drilled holes.



Locate a Standard Post with Four Railing Inserts

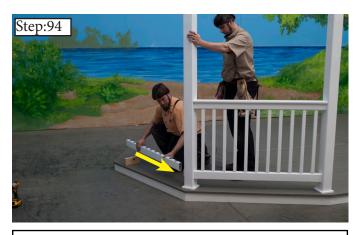
Post and Rail Assembly



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



Push Railing sections tight against post and attach using 1" Pan Head Screws through pre-drilled holes as shown. One (1) Screw on the outside and one (1) on the inside.



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.

Post and Rail Assembly
Step:99



Ensure Brace Section is tight against the Post.



Center Brace Section On Post.



Fasten using 2 ½" White Screws through all pre-drilled holes.





Install remaining Brace Sections, as shown in Steps 97-101.



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

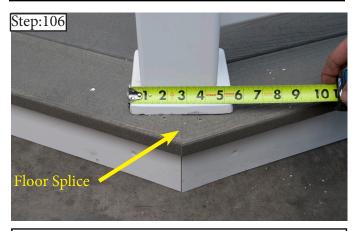
Post and Rail Assembly



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.



Center Post on the Deck Board splice.



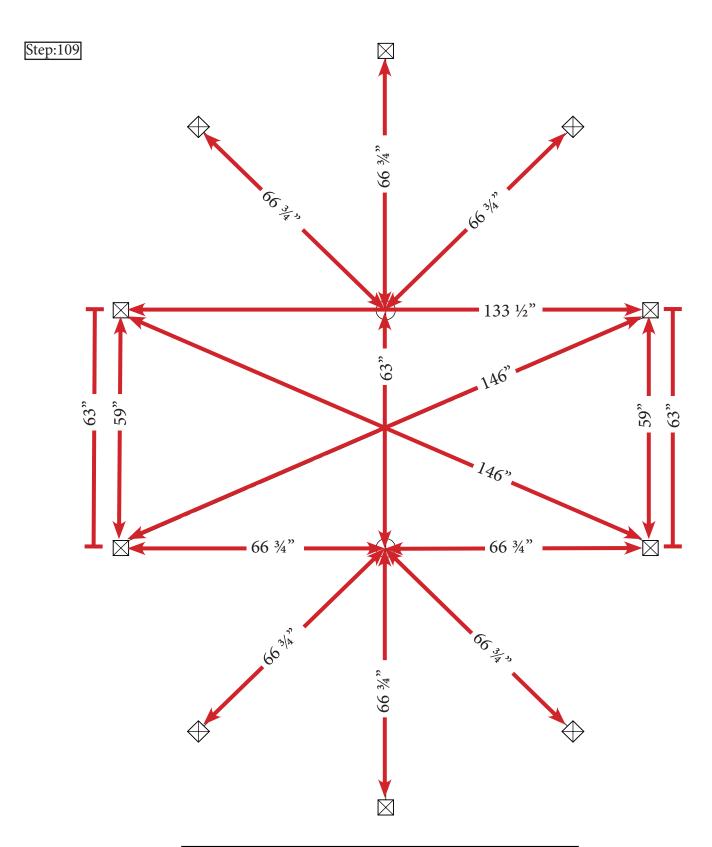
Space each post an equal distance from the edge of the Deck Boards.



After all Posts and the Doorway are equally spaced and aligned, Fasten Posts to Deck Boards using four (4) 2 ½" White Screws. Fasten all the Posts to the Deck Boards at each corner using four (4) 2 ½" White Screws.

If You did not purchase a floor with your gazebo, use the following steps to fasten the post.

See next page for the post layout measurements.



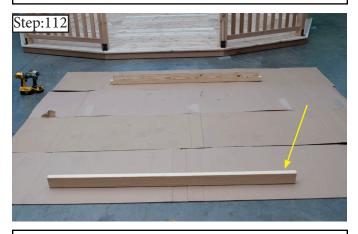
If Attaching to concrete, use 1 3/4" Concrete Screws. If attaching to Wood Deck, use 2 1/2" White Screws.



Locate the Ridge Piece.



Place on a clean, level surface with the notches facing up.



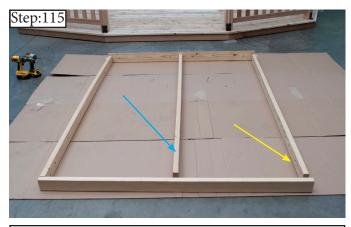
Locate the Straight Cut Roof Band Board.



Locate the Rafter With Pre-Drilled Hole.



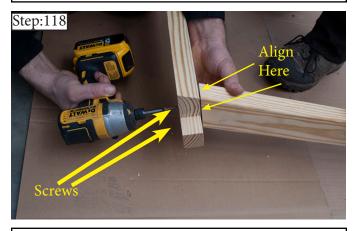
Place the Rafter With Pre-Drilled Hole in between the other two Boards. Ensure the Pre-Drilled Hole is towards the Straight Cut Roof Band Board.



Place another Rafter With Pre-Drilled Hole on the opposite side. Then Place the Rafter Without Pre-Drilled Hole in the center.



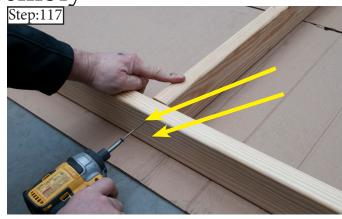
Make the Straight Cut Roof Band Board flush both ways with the Rafter With Pre-Drilled Hole. Fasten with two (2) 3" Screws. Repeat this step on the other Rafter With Pre-Drilled Hole.



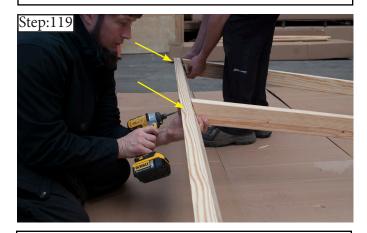
You will need to Lift the Ridge Piece and the Rafter to assemble this side. Align the bevel cut on the Ridge Piece with the top of the Rafter. And align the notch with the side of the Rafter. Then fasten with two (2) 3" Screws.



Assemble the second Roof Panel, as shown in Steps 110-119. You will need two Roof Panels like the one shown above.



Center the Rafter Without Pre-Drilled Hole, with the holes drilled in the Band Board. Fasten using two (2) 3" Screws.



Fasten with two (2) 3" Screws at each location.



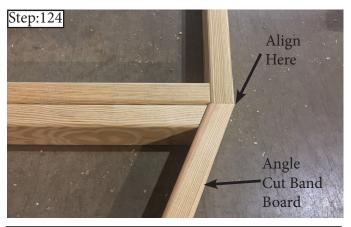
Locate the Double Rafters. Reverse all the Screws to separate the two plies.



Screws reversed. Take two Double Rafters apart to make four Pieces.



Place one Rafter ply on each side of the Roof Panel Assembly. Notice the angle cut direction on the Rafter plies.



Locate the Angle Cut Roof Band Board. Hold in place as shown.



While holding the Rafter Ply in place, you may remove the Angle Cut Band Board and fasten the Rafter Ply to the Roof Assembly with 2 ½" Screws as shown.



Install the rest of the 2 ½" Screws at each pre-drilled hole location. Repeat Steps 123-126 on the second Roof Panel.



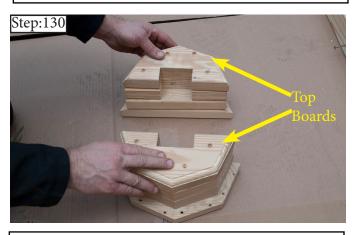
Locate the Compression Ring. Remove the eight (8) Screws from the top of Compression Ring.



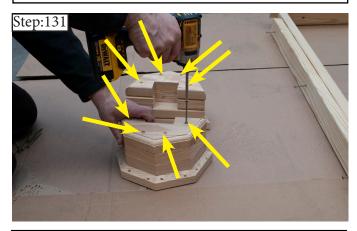
Lift the Top Boards off.



The Compression Ring will now come apart as shown here.



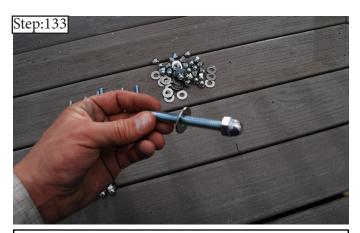
Turn the Top Boards and place them back onto the Compression Ring.



Replace the Screws back into the top of the Compression Ring.



You will now have two pieces of Compression Rings.



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.



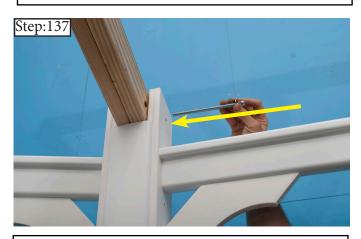
Lift the first Roof Panel in place.



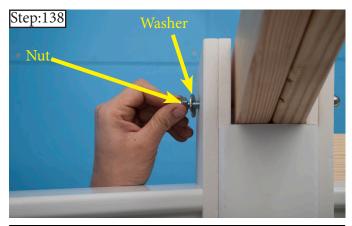
Set the Roof Panel on top of the Post as shown.



Keep pushing up until the holes in the Rafters are aligned with the holes on the Post.



Using a Prepared Roof Bolt, push through the Pre-Drilled Holes.



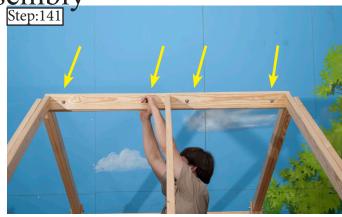
Install a Washer and Nut on the opposite end of the Roof Bolt. Only hand tighten for now.



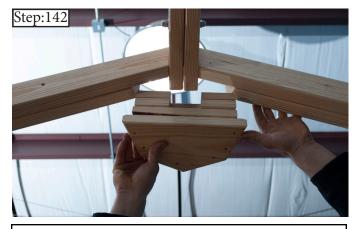
Repeat Steps 136-138 to fasten the opposite end of the Roof Panel.



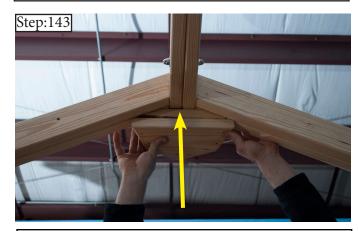
While holding the first Roof Panel up, Place the Second Roof Panel in place using Steps 135-138.



Align the two Ridge Pieces and install the Roof Bolts at these four (4) Locations. Only hand tighten for now.



Locate one of the Compression Rings.



Push the Compression Ring up against the Ridge Pieces.



Fasten to the Rafter with 3" Screw through pre-drilled hole.

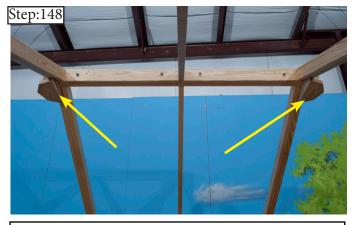


Two (2) 3" Screw locations.

Push the Compression Ring against the Rafters and fasten with one (1) 3" Screw.



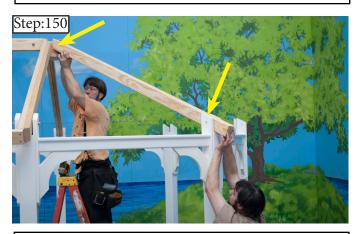
Fasten the opposite side with one (1) 3" Screw.



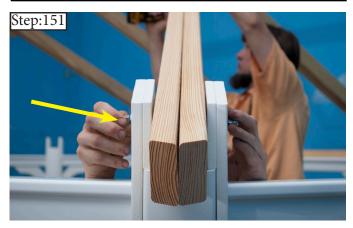
Install the Compression Ring on the opposite end, as shown in Steps 142-147.



Locate the remaining Double Rafters.



Set the Double Rafter on the Post and against the Compression Ring.



Using the Prepared Roof Bolts, push through the pre-drilled holes in the Post and Double Rafter.



Install the Washer and Acorn Nut. Only hand tighten for now.



Fasten the opposite end of the Double Rafter to Compression Ring with 3" Screws through pre-drilled hole.



Install the remaining Double Rafters, as shown in Steps 150-153.



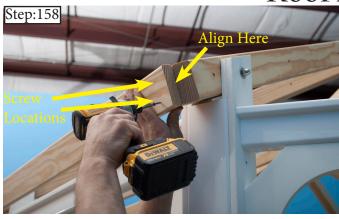
All Double Rafters installed.



Locate the Angle Cut Roof Band Board.



Align the Angle Cut Roof Band Board with the Straight Cut Roof Band Board and fasten with two (2) 3" Screws through pre-drilled holes.



Align the opposite end with the center of the Double Rafter. Fasten with two (2) 3" Screws through pre-drilled holes.



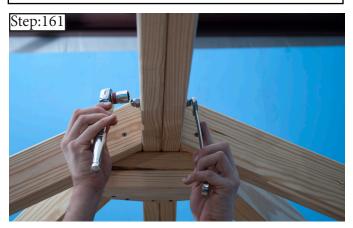
Continue installing all remaining Band Boards.



Continue to tighten all the Roof Bolts at the Ridge and all the Post locations.



Continue working all the way around to install the remaining Roof Band Boards, as shown in previous steps. You may need to adjust the top of the Double Rafters, to align the Band Board with the center of the Double Rafters.



Using a 5/8" Socket and Wrench, (not included) Tighten all Roof Bolts that were previously installed.



Locate the Cross Ties.



Place the Cross Tie onto the Rafters. Align the cut on the Cross Tie with the top of the Rafters.



Fasten with six (6) 3" Screws through pre-drilled holes.



Fasten the opposite end with six (6) 3" Screws through pre-drilled holes.



Install the remaining Cross ties at these locations, as shown in Steps 164-166.



Locate the Straight Cut Tongue & Groove Board.



Align the Straight Cut Tongue & Groove board with the Band Board and with the center of the Double Rafter at each end.



Keeping the Tongue & Groove Board aligned, fasten with two (2) 2" Nails at each Rafter location.



Two (2) 2" Nails at each Rafter location.



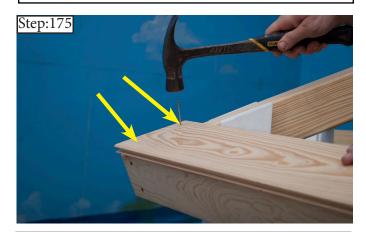
Continue installing the Tongue & Groove Boards. Two (2) 2" Nails at each rafter location.



Install the Straight Cut Tongue & Groove Boards on the opposite side, as shown in Steps 169-172.



Locate the longest piece of the Angled Cut Tongue & Groove Boards.



Align with the center of the Double Rafters and with the Band Board. Fasten with two (2) 2" Nails at both ends.



Continue installing the Tongue & Groove Boards all the way up to the top. Fasten each Tongue & Groove board with two (2) 2" Nails at each end. Only the Longest Tongue & Groove Board will have one (1) 2" Nail in the center.



After all Tongue & Groove Boards are installed, locate the Hurricane Plates and bend slightly in the center.



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



Continue installing all remaining Tongue & Groove Boards on all Roof Sections, as shown in Steps 174-177.



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

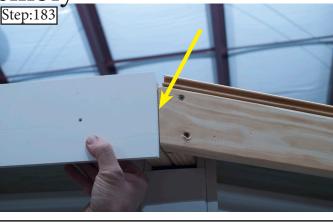


Hurricane Plate Installed. Install all remaining Hurricane Plates at each Roof Panel Splice, as shown in Steps 178-180.

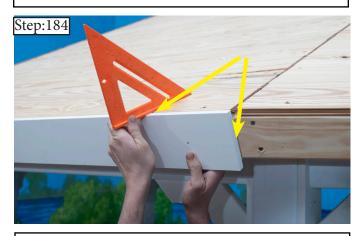
Roof Assembly
[Step:183]



Locate the Straight Cut Roof Trim.



Align with the corner of the Band Board.



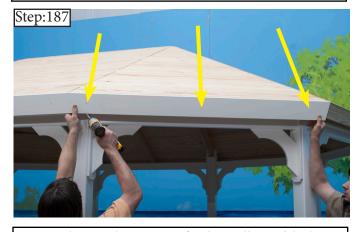
Keeping the Roof Trim aligned with the corner, Place a Triangle Square on top of the Tongue & Groove Boards, and hold the Roof Trim against the Triangle Square.



Fasten the Roof Trim to the Band Board at each end using one (1) 1 5/8" White Screws through pre-drilled holes.



Fasten the Roof Trim to Band Board in the center using one (1) 1 5/8" White Screw through pre-drilled hole.



Locate the Angle Cut Roof Trim. Align with the Straight Cut Roof Trim and using the Triangle Square shown on Step 184, attach to Band Board using three (3) 1 5/8" White Screws through all pre-drilled holes.

Tar Paper



Install all remaining Roof Trim, as shown in Step 187.



Locate the Straight Cut Tar Paper.



Fasten Tar Paper to Tongue & Groove Boards using a Hammer Tacker approximately every 6".



Overlap the second piece on the first piece 2". Then fasten to Tongue & Groove Boards using a Hammer Tacker approximately every 6".



Install the Tar Paper on the opposite side, as shown in Steps 189-191.



Install the last Straight Cut Piece. Lay over the Ridge onto the opposite side as shown. Fasten with a Hammer Tacker.

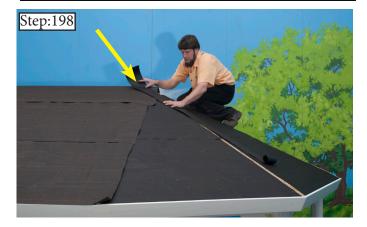
Tar Paper



Locate the Large Pre-Cut Tar Paper. Start by placing the Large piece at the bottom. Slide under the Straight Cut Tar Paper.



Place the Small Pre-cut Tar Paper on top of the large Tar Paper and overlap the Tar Paper by 2 inches. Be sure to slide under the Straight Cut Tar Paper. Fasten Tar Paper using a Hammer Tacker approximately every 6".



Locate the Ridge Tar Paper.



Fasten Tar Paper to Tongue & Groove Boards using a Hammer Tacker approximately every 6".



Install all remaining Tar Paper on the Roof Panels, as shown in Steps 194-197.



Center the Ridge Tar Paper and fasten using a Hammer Tacker approximately every 6".



Install remaining Ridge Tar Paper, as shown in Steps 198 and 199.



Tar Paper installed.

Your Gazebo is now ready for shingles and good times!

Congratulations!

Congratulations! Enjoy your new Gazebo!





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