

Pagoda Roof Assembly Instructions



Step 1:
Lay out the floor sections according to the markings.



Step 2:
Make sure corners and decking surface are even. Use two 10 x 2 1/2 zinc screws at each missing floorboard and attach floor sections together.



Step 3:
Pre-drill holes for the screws. Attach floorboards with 8 x 2 S.S. screws using the same pattern as nails in the attached floorboards.



Step 4: Posts have a pencil mark that should be at the surface of the decking



Step 5:
Fasten posts to the floor with one 10 x 3 S.S. screw at each corner. Use only one screw to fasten posts until rails are fastened.



Step 6:
Make sure that both ends of the rail are down against the floorboards, and then attach all the bottom rails to the posts with 8 x 2 S.S. screws.



Step 7:
Fasten the top rails to the posts after all the bottom rails are attached. The bottom of the horizontal rail piece should be 74" above the surface of the floorboards.



Step 8
After all the rails are hung put the remaining screws through the baseboards into the posts.



Step 9:

Put one roof section into place using a sturdy prop to hold up the center. The Approximate height of the roof can be obtained by matching the rafter to the angle of the post where it rests on.

Fasten prop to the inside of the rafter.



Step 10:

Pre-drill holes for the screws into the side of the rafters and into the short roof posts. Two 10 x 2 ½ zinc screws approximately every 16 inches.



Step 11:

Make sure that the outside corners are even before fastening the sections together.



Step 12:

After all the bottom roof sections are properly fastened together place the shims on top of the posts.

Put the shims between rafter and rail end trim using a pry bar to shift post and roof if necessary.

Note: If space between post and end trim is too narrow to allow for a shim on each side of the post, then only put one shim on the side of the post that has the most room.



Step 13:

Fasten the bottom roof to posts using four 10 x 2 ½ zinc screws at each post. Two screws go through the post and into the bottom of the rafters and one screw on each side goes through the end trim and into the side of the rafter.



Step 14:

The top roof panels have a rafter plate that has been screwed to the inside of the rafter for shipping purposes. Remove the plate from the side of the rafter then take the 10 x 2 ½ Z.P. screws out of the plate and fit the plate onto the heel cut of the rafter with the heads of lag bolts that have been started, pointing towards the shingles.



Step 15:

Put one roof section into place using a sturdy prop to hold up the center. The Approximate height of the roof can be obtained by matching the bottom of the rafter plate to the top of the pagoda rail where it rests on. Fasten prop to the inside of the rafter.



Step 16:

Line the ends of the top roof plate up with the joints of the bottom roof short posts. Take a 7/16" wrench and fasten the top roof panel to the top of the bottom roof rail with the lag bolts that have been started in the top roof plate.



Step 17:

Make sure that the outside corners are even before fastening the roof sections together. Two 10 x 2 ½ zinc screws approximately every 16 inches.



Step 18:

After the top roof is completely assembled insert the roof center into the center of the ceiling and fasten with 8 x 2 stainless steel screws.



Step 19:

Open the pack of cedar capping and separate all of the left and right caps. Start with the pair of caps that have an angle cut on the bottoms (the thickest end of cap) and attach to the roof, with fasteners of your choice, over the seam where the roof sections meet.

Continue the whole way up the seam to the bottom roof rails. The spacing of the caps should follow the spacing of the shingle rows. The bottom of the caps should be kept with the bottom of the shingle rows.



Step 20:

Put the last row of caps on after the cupola is placed on the roof. The top row of caps have an angle cut to match the corner of the cupola. The cut part of the caps should be against the cupola as you finish the row.