Gable Vinyl Pavilion

Thank you for your purchase of a New Open Gable Pavilion. Depending on the size of your Pavilion , installation can usually be completed in 1 to 2 days. These instructions are meant to serve as a guide for people with a base knowledge of general handyman skills. ***This assembly requires a minimum of two people to complete.***

Please always check with your local building codes, they will vary from state to state.

Consider a few details before beginning assembly:

1. The base for the Pavilion must be solid and level. If installing on a concrete slab or on concrete footers, they should be level where the posts will rest. If they are not, it may be necessary to cut the tops of the posts so that the tops are all level. Other than this, no cutting is necessary. If you feel that you will need to make any additional cuts, please contact us before doing so. ***Making cuts without calling irst may make installation di icult or impossible or void our warranties.***

2. When you are connecting to concrete, you will use wedge bolts, which are included in the kit. If connecting to an existing deck, a lag bolt and deck screws (not included) will replace the wedge bolt.

3. The pavilion does not give you the ability to alter the location of the posts. It is important that they are laid out correctly and that you double check for accuracy before permanently attaching it to your base.

Site Preparation

It is important that the site is properly prepared before beginning assembly. It is imperative that the site be level. You have a few choices when installing this structure, the two most common are to anchor the posts to concrete pad/wood decking or attaching to a concrete footer or to 16" wide Sonotubes. Sinking the posts into the ground is not recommended unless it is called for by your local building codes.

Anchoring the posts to concrete/wood decking, this is the most common method and is also the most simple. For this you will only need to provide a level concrete or wood decking surface, and then layout our template on your surface. Mark out the squares where the posts and brackets will go. Line up the markings you made and this is where you will set the posts. This is the method that we will use for the following instructions:

Please check your local building codes for the depth required for your footers/concrete slab. Also if using concrete footers make sure that all of the tops of the footers are level with each other before you start to build. Contact your Project Advisor with any questions that you may have.

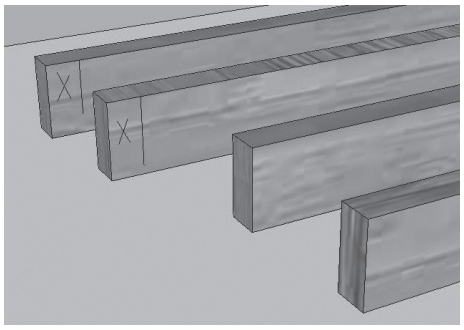
Tools Needed for Assembly:

- Screw Gun/Drill - Hammer - Level - Tape Measure
- C Clamps - Socket Set - Ladder - Circular Saw

Note: An air-nailer or stapler can be used for rubber or asphalt shingles. (Air nails and staples not included in the kit.)

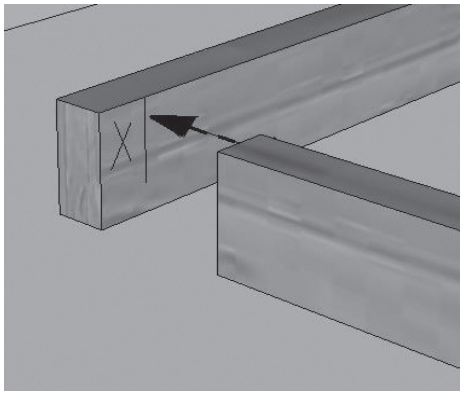
Note: You will also be sent a parts list with your pavilion.

All hardware is included in each pavilion kit. The speci ic hardware will vary depending on the pavilion. Please see your parts list for details.

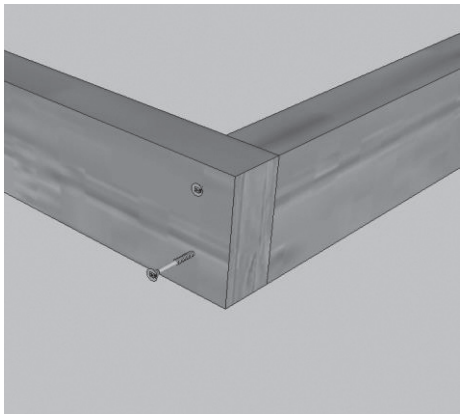


Setting up the template:

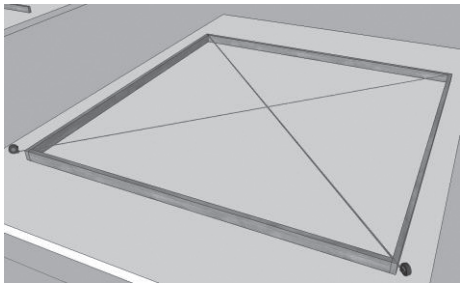
1. Your pavilion kit includes a wooden template that you will use to mark your post locations. You will notice that two of the 2x4 boards have a marking near the ends. You will build a box that will reveal the outside corners of the posts when properly placed.



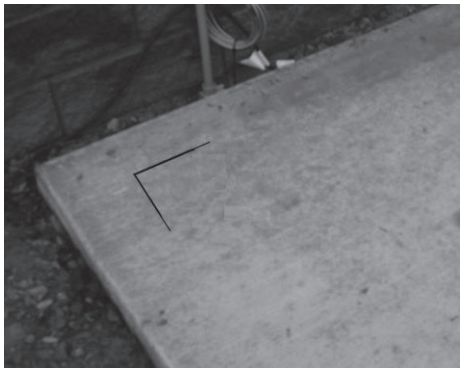
2. Arrange the template pieces so that they are positioned in the exact location of where the pavilion will be placed. The boards with the marking on the end will be across from each other. The marks will show where the other boards will be attached to create this box.



3. Connect the corners of the template pieces by driving two 2½" screws through the side of the template boards.

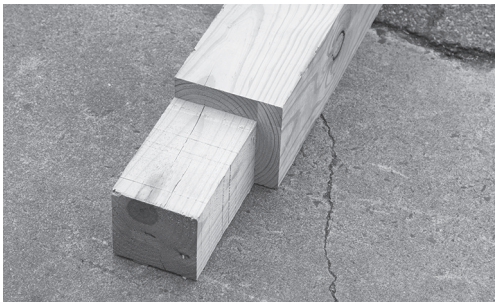


4. Once the template is in position, you will need to square the template. Do this by measuring diagonally from one corner to its opposite corner. Then measure diagonally between the other two corners. These two dimensions MUST be the same. Adjust the template until the diagonal measurements are identical.



5. Once the template is “square”, mark the post locations (using the INSIDE corners of the framed box) on the concrete slab with a pencil. After you have all the post locations marked on the concrete slab, remove and set the wooden template aside.

Post and Beam Assembly:

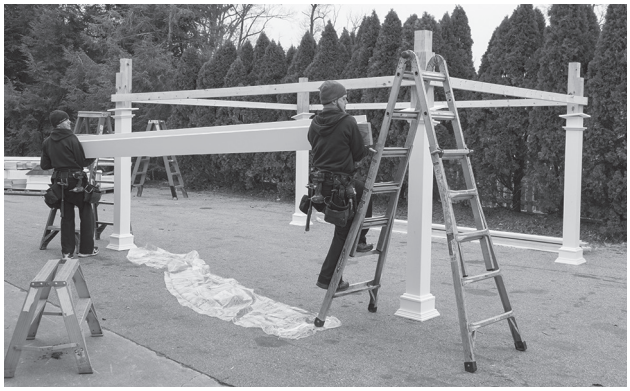


Note: The posts are notched on two sides. Turn the notches toward the outside of building.

6. Let's get started.
Slide all the post components on the 6x6 post. That would be the 6x6 sleeve, bottom post base, 6x6 trim piece and the trim ring. Do that with all four posts.

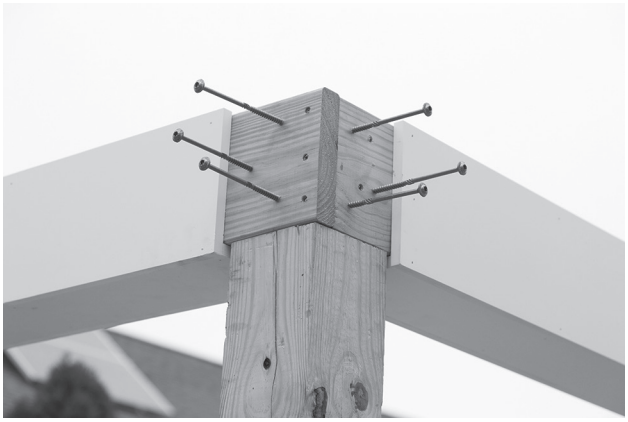
7. If you ordered an electrical package, there will be a 6x6 post with a notch in one side. Put the sleeve with receptacle on that post. Make sure all posts are at the marks you made with template. That would be the inside core of 6x6 post.

8. When you have all posts at marks, get the template and fasten it to tops of post. Make sure all post components are on. As you cannot put these on later. Make sure all posts are level and everything is square.

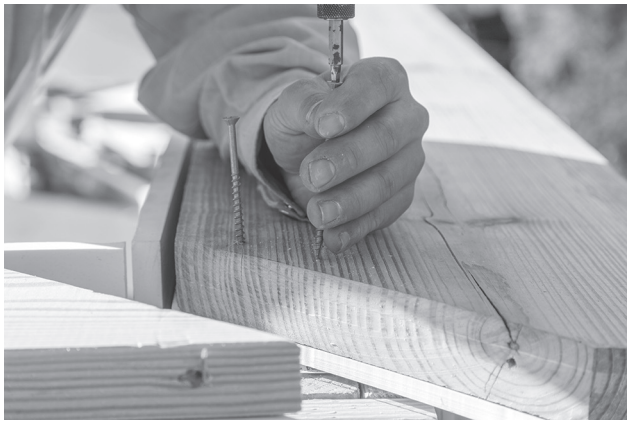


9. Now you are ready to install the headers. Start with the long side. If you have a square pavilion, it would be the shorter headers. It might take three or four guys for this step. Fasten header to post with two 3½" screws. Do not use the predrilled holes.

10. Once you have the two long side headers up, put the shorter ones on. These get fastened to other headers with three 3½" screws. Use the three predrilled holes going into other header.



11. Making sure everything is still square and level, install the long 8" GRK screws. 6 pcs. per corner using the predrilled holes.



12. Next step is installing the rafter plates. There will be two 2x12s and two 2x8s. The 2x12 plate goes on the long side. These go right on the center of post. Make sure the overhangs are the same on both ends. Fasten with two 3½" screws down into post. There will be a space between the inside header trim and plate.

13. Fasten the 2x8 plate to 2x12 plate with one 3½" screw at the corner. Then down into post with two 3½" screws. When you have all four plates in place, put two 3½" screws every 16" plate down into header.

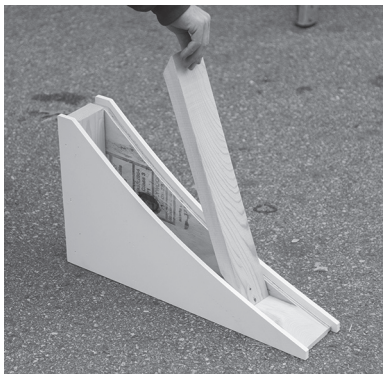
14. Next step is installing the fascia boards. Install the two shorter ones first. These go up past the plate about 1⅛" for asphalt shingles and 1⅞" for metal roof. Fasten with one 2½" white head screw every 16".

15. Once you have the two shorter ones in place, fasten the long ones. These you have to measure the ends until you have same measurement on both ends.

16. Fasten fascia board to gable side fascia with two 2½" screws. Then every 16" with one 2½" screw.

17. You are now ready to take the template off the post.

18. Next step is making sure all posts are level and at the marks on the cement.



19. Next step is installing the corner braces. Take the 2x4 board out from center of brace.

20. Keep the brace flush on the outside of post. Fasten to post with two 3½" screws and up into header with two 3½" screws. Line the brace up with the seam on bottom of header. Do that with all eight braces.

21. Once you have all the braces installed, put the 2x4 block back in place. Fasten with two 2½" screws.

22. Next step, install the bottom brace covers.

23. Fasten them with three cortex screws. You will want to countersink these screws. Continue with all eight braces.

24. Fasten the trim ring to bottom of braces with two 2½" screws.

25. Next step, fasten black L shaped brackets to bottom of 6x6 wood post. Slide the 6x6 wood post. Slide the 6x6 sleeve up so the bracket fits underneath it. You can fasten sleeve to post if you want to. It will all get covered. Fasten bracket to post with five 2½" screws.

26. Make sure all posts are level and at the marks. Drill down with 1/2" masonry bit about 1/2" deeper than length of anchor bolt.

27. Putting the wedge anchor in, make sure the nut and washer are on. You might need to tap it in with a hammer. When you have it down against the washer, tighten the nut with a wrench. Slide the post base down. Do that with all eight brackets.

28. Slide the 6x6 sleeve trim up to the trim ring. You can fasten these if needed. Most times it stays in place. Do that with all four posts.

29. Install the inside corner trim. Fasten with three cortex screws.

30. Fill all the cortex screw holes with plugs. Tap them in with a hammer until they are flush with trim.

31. Installing the outside corner trim. These will have six predrilled holes. Using the cortex screws, put plugs in. Same as step 30. There will be a tube of caulk in hardware box. You can use it to fill all the seams and cracks.

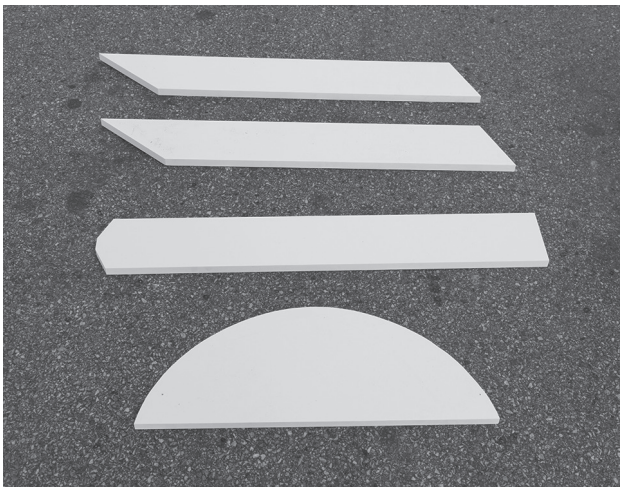
32. Now you are ready to assemble the roof panels. First match the numbers on top of the panels.

33. You will need four or five guys for this step. Getting the first panel, push it up from the outside. Put a prop in to hold it until you get the other side.

34. Getting the second panel from the opposite side, you might have to lower your prop until the ridgepole meets. Make sure it is even on bottom and at the ends.

35. Fasten the ridgepole together with one 2½" screw every 16". Use step 34 and 35 with other two panels.

36. Fasten center rafters together with one 2½" screw every 16". Make sure the ridgepole doesn't sag in the center. You might have to put the prop in if it does.



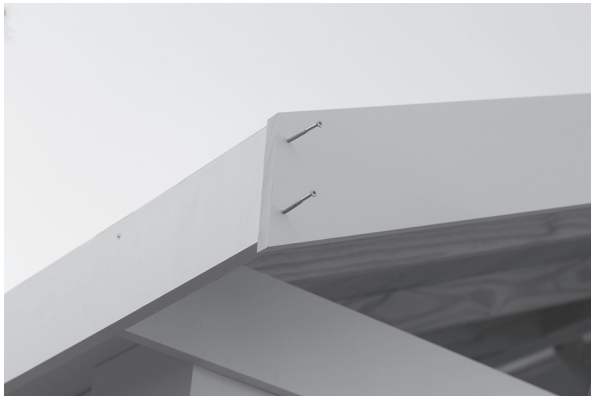
37. Now you are ready to install the gable end starburst. There will be a total of five pieces.

38. Put the longest piece in first. Goes right underneath the rafters and ridgepole right inside fascia. Fasten with two whitehead screws on top and two at the bottom. You might have to cut these if needed.

39. Now put the left and right side in. Fasten with one 2½" whitehead screw at the top and one in bottom.

40. Now you are ready to install the half moon shape pieces. There will be one larger than other. The larger one goes on the inside the smaller one on outside. Fasten with three 1½" whitehead screws. Same way with inside.

41. Installing the gable end fascia. You might need to cut these to length. Keep it flush on top of roof panel and in center of ridgepole. Fasten with one 2½" whitehead screw.



42. Fasten the bottom with two screws going into long side fascia. Continue with rest of pieces.

43. Now you are ready to fasten rafters to plate. You have to remove bottom pieces of 1x6 T&G board. It will be screwed on. Just back the screw out and remove the board.

44. When you have all the boards off, fasten each rafter with three 2½" screws. One on each side of rafter toe screwed and one down the center on top.

45. When you have all the rafters screwed, put the T&G board back on.

46. You are now ready to install shingles.

Please see the attached insert for the proper installation of shingles, capping, or any other options selected.

Note: If you have a cupola the cupola should not be installed until all of the shingles are on the roof.