

Hampton Pavilion



Assembly Manual

Hampton Pavilion Assembly Manual

Thank you for your purchase of this pavilion.

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 Pavilion put together for this manual was a 12x16 Rectangle. This manual can also be used for other sizes. It took 2 men, approximately 6 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 pavilion 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



6' & 10'
Step
Ladders



Rubber
Mallet



Hammer



Ratchet with
9/16" & 3/4"
Socket



Hammer
Drill



1/2" Concrete
Drill Bit



Cordless
Drill



25' Tape
Measure



Utility
Knife



Hammer
Tacker



Paint
Brush



(4) 2x4x8' Long
(2) 2x4 Approx 4' Long
for bracing header assemblies

Parts List



2.1/2" Brown
Screw



3.1/2" Brown
Screw



2" White Head
Screw



2.1/2" White Head
Screw



2" White Pan
Screw



1" Screw



1.1/2" Screw



3/4" Roof Nail



1" Roof Nail



2" 6 Penny Nail



2" & 4" Square Drive Bit



1/2" x 4" Lag Bolt



1/2" x 4.1/2" Bolt



3/8" x 3.1/2" Lag Screw



4 Ply Top Header



Arch Header



Arch Cover



Roof Plate



1x6 T&G Roof Boards



10" Column Post

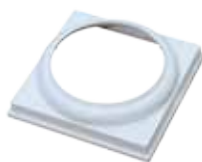
Parts List Continued



Post Base Trim



Post Ring Trim



Post Top Trim



Square Trim



Double Hip Rafter



Single Rafters



Double Ridge Piece



Corner Plate



2x4 Corner Braces



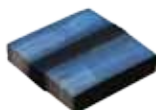
Outside Corner Cover



Inside Corner Trim



Asphalt Shingles



Ridge Caps



Touch up Stain
for ceiling



Mr Clean
Cleaning Sponge



Country Lane Name
Plaque w/ Serial #



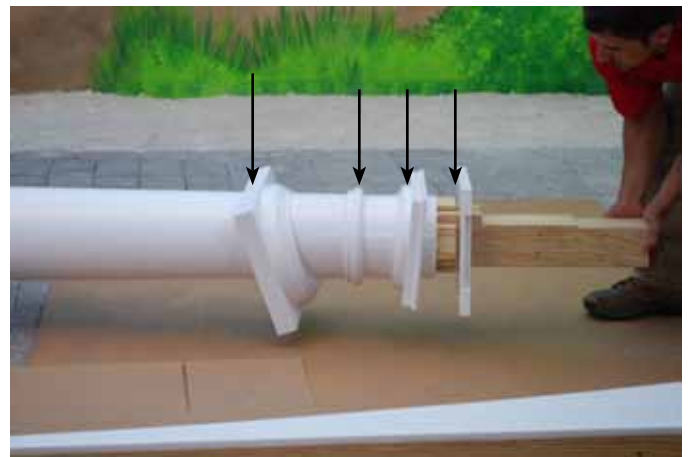
Set your Hampton Pavilion Package as close to the building site as possible.



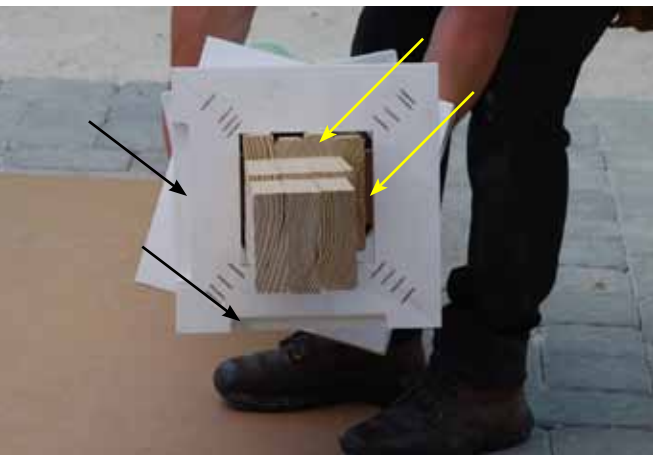
Remove protective shrink wrap. Do not unwrap until you are ready to build. Keep dry and protected until you are ready to assemble the pavilion.



Start by placing two 10" Round Columns on floor, use cardboard or something to keep the vinyl clean and from getting scratched.



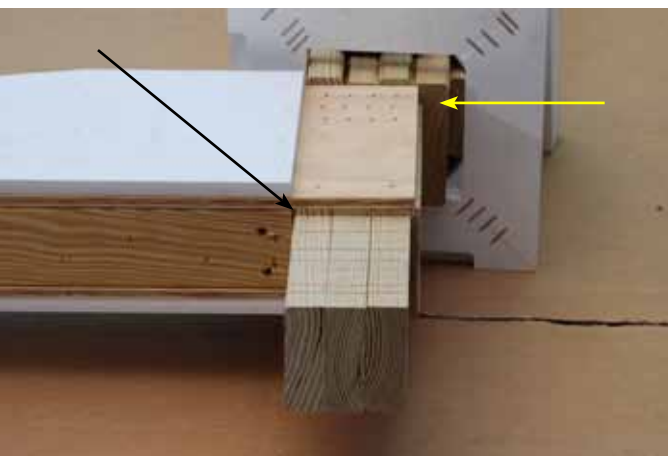
Slide Trim Pieces onto post from top of post as shown.
Post Base Trim - Ring Trim - Top Trim - Square Trim w/Notches Face up and turned toward the direction of the headers.



Ensure the Square Trim Notches are opposite the notched section of the post.
Place post onto ground with one notch section of the post facing up and the other notch facing out.



Prepare and place second post. Bring in the first Arched Header. On a 12x16 start with the 16' headers first. Any other size start with the longer sides first.



Place Arched Header onto notched section of both posts as shown. Be sure that the top and bottom of the header fits snug against post before fastening



Attach Arched Header to post using 2.1/2" Brown Screws through all pre drilled holes.



Photo of first Arched Header attached to both posts.



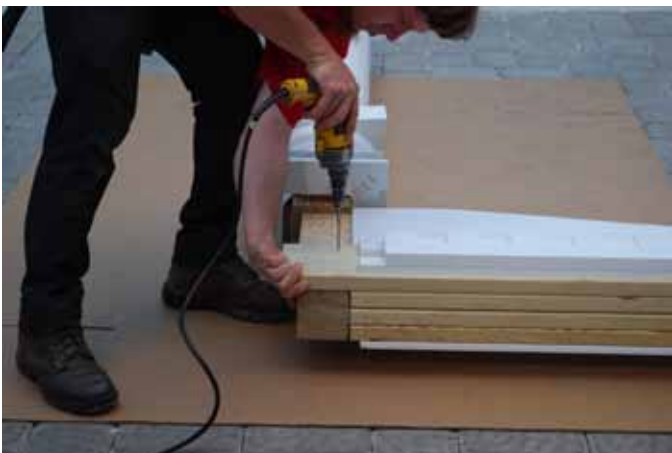
Bring in 4 Ply Top Header.



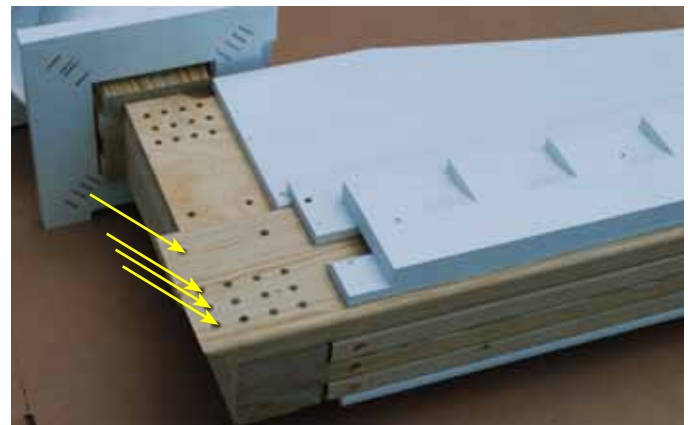
Place Top Header into position with dental molding faced up.
Top Header should slide into position snug against Arched Header.



Align Corners evenly.



Fasten to post using 3.1/2" Brown Screws through pre drilled holes



Be sure to fill all pre drilled holes except the four along the edge. These will be used later.



After both sides are properly secured. Set Posts & Header Assembly into an upright position.



Be careful to hold the Post and Header Assembly in place as it could fall over easily.



Stabilize Post and Header Assembly using (2) 2x4's in an x position fastened together with 2 screws. 2x4's should be approximately 8' long. Assemble second Long Side Post & Header Assembly directly opposite of the first.



Set the shorter Arched Headers into place and measure the length.



Then measure the distance in between the 2 Post & Header Assemblies.



Adjust the distance to match the correct spacing.



Lift shorter Arched Header.



Bring the Arched Header into place carefully.



Set into place and ensure a snug fit on all sides.



Fasten Arched Header to post using 2.1/2" Brown Screws in every pre-drilled hole.



This is what it should look like at this point.



Install the shorter Top Header



Place into position carefully.



Place Top Header on top of Arched Header and align evenly at corners.
Ensure snug fit against post and Arched Header.



Fasten Top Header using 3.1/2" Brown Screws into every pre drilled hole.



Fill Pre-Drilled Holes along edge that were left empty in previous steps.
This is where you should be now.
Install opposite side using the prior steps.



After all headers are up and installed, fasten top side of Top Header to Post using 3.1/2" Brown Screws (toed).



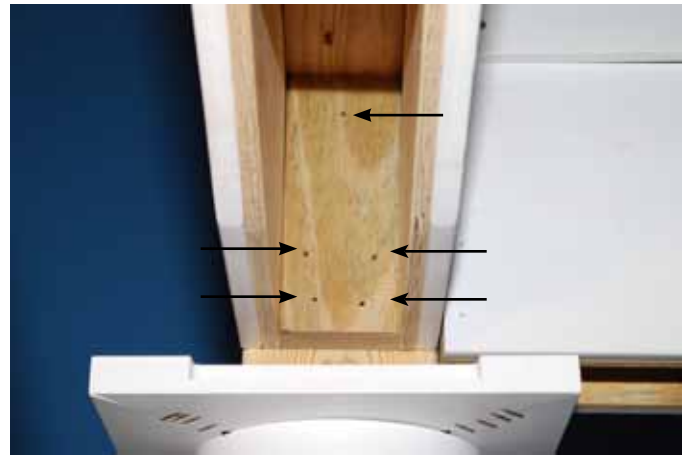
Attach Arched Header to Top Header above using 3.1/2" Brown Screws through each pre-drilled hole. Use longer 4" Square Drive Screw Bit.



Be sure to work from the center of the header to outside corners and to fill every pre-drilled hole.



Attach end of Arched Header to post using 3.1/2" Brown Screws in each pre-drilled hole.



Location of Pre-Drilled holes.



Apply Liquid Nails inside Arched Header on both sides where 2x4 Corner Brace will be fastened



Insert 2x4 Corner Brace



Insert brace on a 45 degree angle. Top should be wedged in corner and bottom should be at the base of the arched header.



Attach using 3.1/2 Brown Screws in each pre-drilled hole. Using longer 4" drill bit will make this step easier.



Completed Post and Header Assembly.



Begin installing Roof Plate by lifting one of the longer sides up first.



Be sure to lift Roof Plate over Header Assembly, being careful not to damage the Header Assembly



Place Roof Plate on top of Header Assembly. Align corner edge of roof plate with corner of header assembly as shown. There will be a small space between the white vinyl board and the 2x8 wood header board.



Measure the inside reveal on both ends and space equally. Maintain proper alignment at corners



Fasten Roof Plate temporarily using (1) 3.1/2" Brown Screw at each end in the location shown. This is NOT pre-drilled.



Install adjacent Roof Plate.



Place Roof Plate into position



Align Roof Plate joints together evenly as shown.



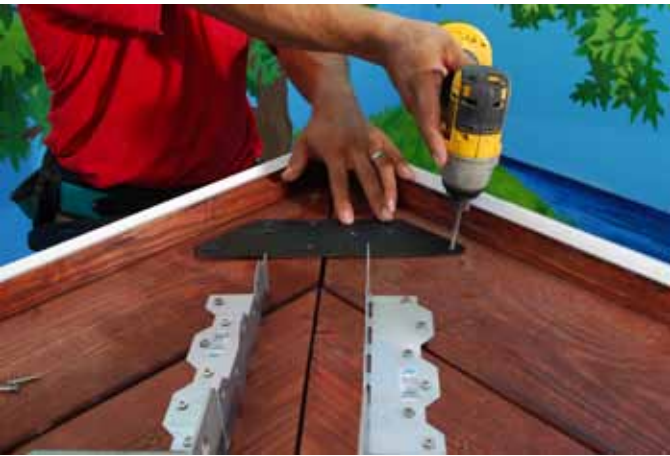
Line up corners evenly.
Both vertically and horizontally.



Fasten corners together using (1) 2" White Head Screw per corner.
This is not predrilled.



Fasten Roof Plate temporarily using (1) 3.1/2" Brown Screw at each end in the location shown.
This is NOT pre-drilled.



Square up Roof Plates by measuring across corners and attach Corner Plates using 1" screws.

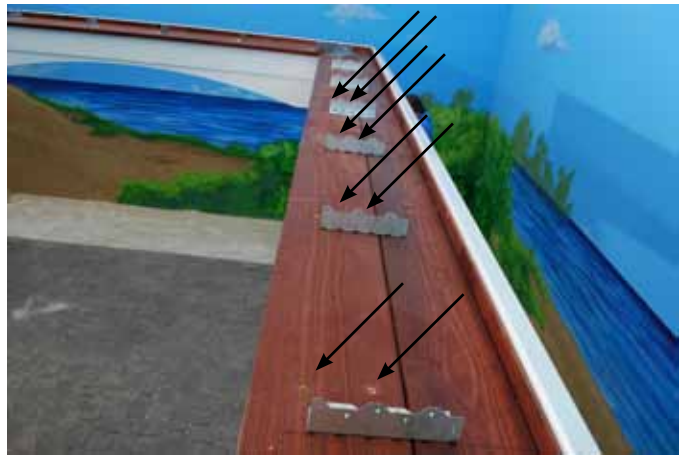
Finish remaining Roof Plates using previous steps.



Fasten Roof Plate to Header below using a 3/8" x 3.1/2" Lag and a Washer into every pre drilled hole.



Or use a Power Driven tool with a 9/16" socket.



Locations of Pre-Drilled holes.



Install first Double Hip Rafter.
There are 2 Left & 2 Right Rafters. Be sure to install them in proper corners.



Guide into place between pre installed brackets



Align Double Hip Rafter into corner.
Slide out against corner.



Attach with (2) 3.1/2" Brown Screws at approx 1" from end through top down.



Insert 1/2" x 4.1/2" bolt and washer.
Use washer and nut on threaded end.



Tighten bolt with 3/4" socket.

- Install remaining 3 Hip Rafters using previous steps.



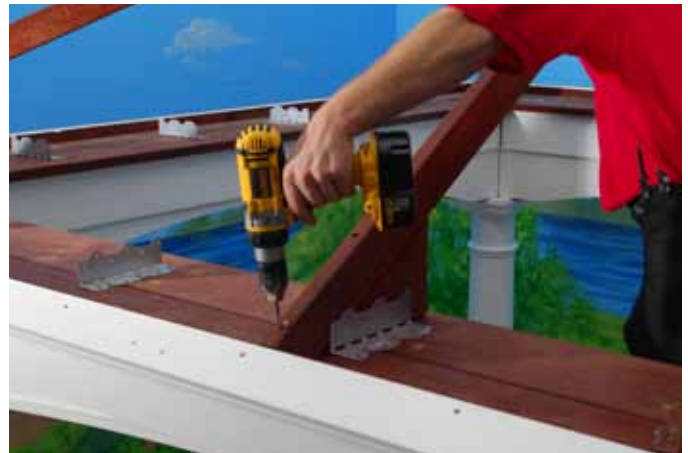
Fasten 2 Double Hip Rafters together using 3.1/2" Brown Screws (2) from each side.



Finish opposite side.



Install Single Rafters starting with the 4 Longer center rafters.



Slide against outside board and fasten from top down using 3.1/2" Brown Screws.
Do not attach side brackets at this time.



Install 4 Center Long Rafters Only.

Note: Smaller Sized pavilions may only have 2 Long Rafters (Long Rafters reach the Top Ridge of the roof).



Insert Double Ridge Piece between Hip Rafters and 4 Single Rafters.
Install with nicest side down.



Align Double Ridge piece with top edge of Single Rafters.



Fasten single rafters to Double Ridge Piece using (3) 3.1/2" Brown Screws per connection (toed) through predrilled holes.



Align Double Ridge Piece with Hip Rafter as shown. Notice this will make the Hip Rafter a little higher than the Ridge piece.
Be sure to Align equally on both sides.



Fasten Double Ridge Piece fters to Double Hip Rafters using 3.1/2" Brown Screws (Toed) through the pre drilled holes.
Ensure you fill all of the pre-drilled holes.





Place remaining Single Rafters into place.



Attach Single Rafter to Hip Rafter using (2) 3./1.2" Brown Screws per connection. Then fasten with (1) 3.1/2" Brown Screw at approx 1" from end through top down.



Fasten pre installed side L brackets to Single Rafters and Double Hip Rafters using 1.1/2" Screws.



Be sure to fill every Bracket hole. Use 6 screws per bracket filling every hole.



At this point you should have all rafters installed.

Note: If you purchased a longer or shorter pavilion there will be more or less single rafters based on the size and spacing.



Layout 1x6 T&G Roof Boards.
For Smaller Pavilions there will be four packs 1 for each side.
Units 16' and Larger get two or more packages per side. Be sure not to mix up packages.



Install 1x6 Roof Boards starting at the bottom with the longest board first.



16' and larger Pavilions will require 2 boards for the first couple rows.
Align Roof Boards close to center of Double Rafters. (Yellow Arrows



Fasten to Rafters using 2" hand nails (2) per Rafter.

You can use a 2" Power stapler or nailer, You will have to supply your own nails for your specific nailer.



Tap following rows into place using a rubber mallet. To not tap with a regular hammer you may damage the tongue.
Be sure to insert the T&G Joints completely.



Continue with the next row of boards, each board will be a bit shorter than the one before.
All boards are pre cut to fit.



Continue Up the Roof.



Finish all four sides using previous steps



Install roofing paper using a hammer stapler.



Roll across roof. Attach with stapler and cut evenly with corner of roof.



Roll out on 2nd row overlapping approximately 2"



Continue until complete. Be sure to add enough staples as to keep the roofing paper from shifting under your feet.



To install 1st row of shingles, turn shingle upside down with black tar line at bottom edge facing up, and attach to roof using (4) 3/4" Roofing Nails. Place nails appoximatly 3" from bottom.



Attach second row of shingles to roof using 3/4" Roof Nails provided, or a power stapler. Do not use long nails or staples that protrude through 1x6 T&G Roof Boards.



Use (4) 3/4" roofing nails and attach to roof through shingle at the center line marked on the shingle. Do not fasten below the line or your fasteners will be exposed



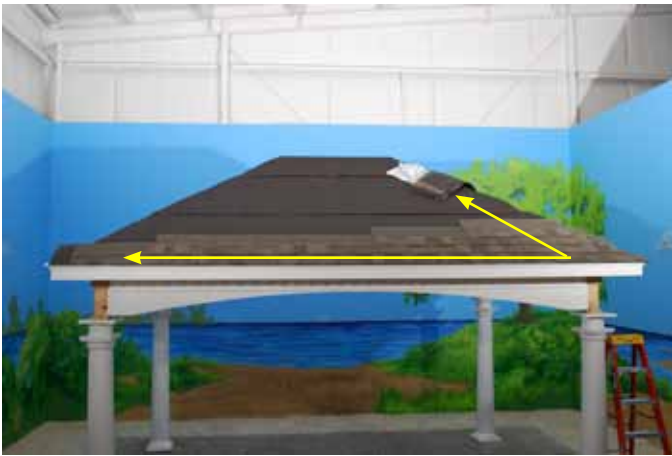
Trim corner shingles using a shingle scissors or utility knife. When using a knife cut on the bottom side.



Start second row, line up bottom of shingle with the architectural line on the shingle below.



Also see instructions on shingle package.



Continue on up to the top working across then up.



Capping the Ridge.
Start 1st Capper centered on ridge down past corner.



Fasten using (2) 1" Roof Nails per Capper.
Fasten Nail through black tar strip.



Place second capper into place



Align bottom of 2nd capper w/ small groove of the capper below it.
Leave approx 5" exposure to the weather.



Fasten using (2) 1" Roof Nails, (1) per side..



Continue up the ridge using the same previous steps.



Trim the Top



Start at both ends of ridge and work toward the center of the ridge.



Last piece will need cut in half and will bring the corners together.



Trim the bottom edges using a shingle scissors or a utility knife.



Install the Cupola.
Place the Cupola on the center of the roof.
Measure both sides to ensure the Cupola is centered.



Fasten Cupola to the Roof using (4) 2.1/2" White Screws.



Install Arch Cover



Align center of Arch Cover (marked with a pencil line) to Center of Arch (marked with a pencil line)



Measure reveal of Arch Cover inside and outside.
Center Arch Cover and fasten using 2" White Screws through each pre drilled holes.



Working from the center toward the outside corners.
Check your measurements as you go and attach with 2" White Screws through all pre drilled holes.



Fold end up under the Square Trim Piece at the post. Install all remaining Arch Covers.



Install Outside Corner Cover.



Slide Outside Corner Cover up against the roof.



Fasten Outside Corner Cover to post using (2) 3.1/2" White Screws at locations shown, these holes are not predrilled.



Install the Inside Corner Cover.



Fasten Toward the top with (1) 3.1/2" White Screw.



Fasten Square Trim Piece below the header using (2) 2.1/2" White Head Screws. Angle up and into Post, (1) per header side.



Fasten Square Trim Piece to Outside & Inside Corner Covers using (1) 2.1/2" White Head Screw per corner, these are not predrilled.



Be careful to aim Screw correctly into Trim Cover above.



Attach Post Top Trim to Square Trim piece using (4) 2" White Pan Screws. (1) at each corner, these are not predrilled.



Using the provided Pint of Stain or Paint, touch up any area that may have become scratched during installation.



Using the provided Mr. Clean Sponge, dampen with water and use on all vinyl areas to clean any scuffs or dirt that may have happened during installation.

Attaching Your Pavilion to your Patio.



When attaching your Pavilion to your Patio, Ensure you attach it to a solid structure. (I.e. Concrete Base, Concrete Pad, Deck etc.. Do not attach to pavers alone. Pavers will not hold your Pavilion down in high winds.



First lift Post Base Trim up and away from brackets. Using a Hammer Drill and a 1/2" Drill Bit (Not Included). Drill into the Patio.



Insert and tighten 1/2" Lag Bolt. After tightening Bolt lower Post Base Trim into place.



Make a mark at the tab location of the Post Base Trim. Make sure it is turned at proper angle.



Using a 1/2" Drill Bit, drill a hole 1/2" deep.



Finish by placing tabs into the newly drilled holes.