

Grand Estate Wood Pavilion



Assembly Manual

Grand Estate 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 24'x24' Rectangle. This manual can also be used for other sizes.

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



Hammer
Drill



Cordless
Drill



Speed
Square



25' Tape
Measure



Utility
Knife



Ratchet with
1 1/8" Socket



Paint
Brush



Level



Hammer



Roof
Jacks



6' & 10'
Step
Ladders



1 1/16" x 14"
Drill Bit



3/16"
Drill Bit



1/2" Concrete
Drill Bit



(4) 2x4 8' Long
(2) 2x4 Approx 4' Long
for bracing header assemblies

Parts List



4" Timber Lock
Screws



Country Lane Name
Plaque w/ Serial #



$\frac{3}{4}$ " Roof Nail



1" Roof Nail



2" #6 Penny Nail



2 $\frac{1}{2}$ " Brown
Screws



3 $\frac{1}{2}$ " Brown
Screws



1 $\frac{1}{2}$ " Screw



$\frac{1}{2}$ " x 4" Concrete
Lag



$\frac{3}{4}$ " x 12" Lags
W/ Washers



$\frac{3}{4}$ " x 10" Lags
W/ Washers



Touch Up Stain



2" Square Drive Bit
(1) $\frac{5}{16}$ " Hex Drive



Post Trim



Post Skirt



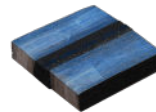
Inside Header Bracket



Roofing Paper



Cross Tie



Ridge Caps



Asphalt Shingles



Ridge Bracket



Outside Header
Bracket

Parts List



Ridge Rafters



Jack Rafters



Roof Plate



1x6 T&G Roof Boards



Posts

Parts List



Long Headers



Short Headers



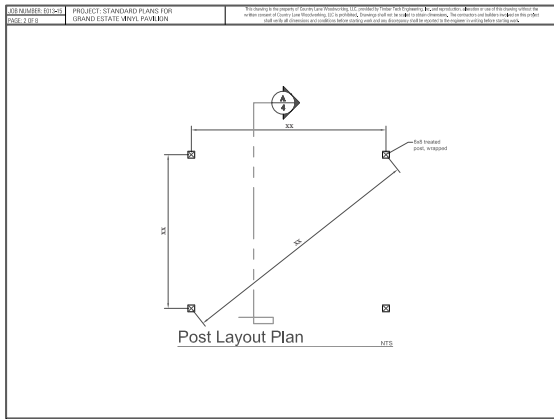
Brace Sections



Set your 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 locating the Post Layout Plan. (This will be included in the pavilion kit) *NOTE* Be sure the size of the Post Layout Plan matches the size of your Pavilion Kit.****

Place Posts per plan.



Using a Hammer Drill and a 1/2" Drill Bit (Not Included), drill into the Footings below.



Insert and tighten 1/2" Lag Bolts. Do not attach to Pavers only. Anchor directly to Concrete Piers.



Prepare your Posts by installing the Post Skirts. The Post Skirts are notched out at the bottom, be sure to align the notches with the Brackets installed on the Post.



Slide Post Trim on the Post. Ensure the cutout is facing in.



You are now ready to install the Header.

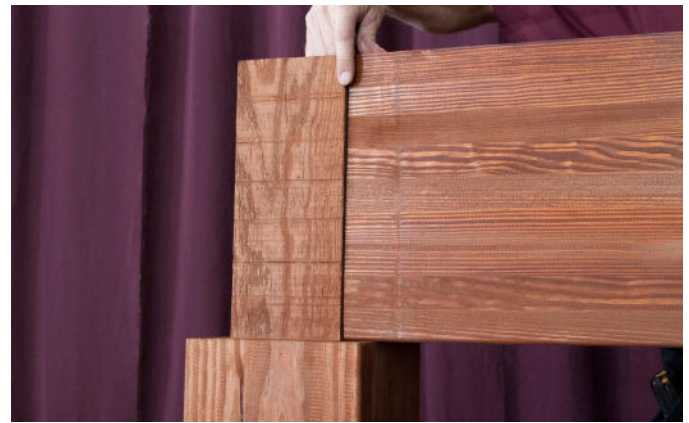


Towards Outside
of Pavilion

Locate the 5x12 Header and ensure the molding is facing the outside of the Pavilion.



Lift the Header into place.



Align Header with Post.



Locate the Outside Header Bracket.



Center the Outside Header Bracket on the Post and Header.



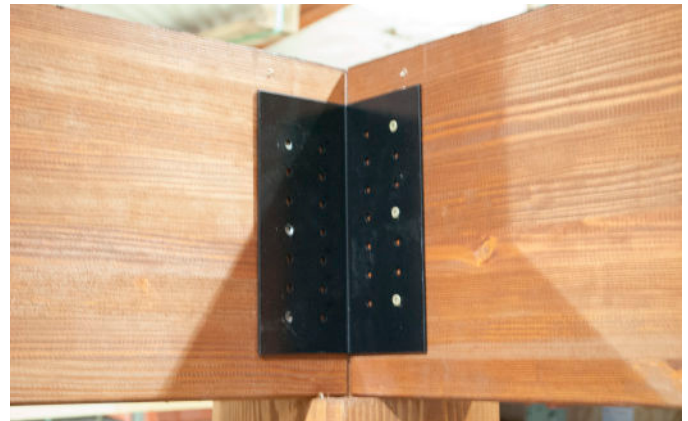
Fasten the Outside Header Plate to the Post using 2 ½" Brown Screws through all holes.



Lift the second Header into place.



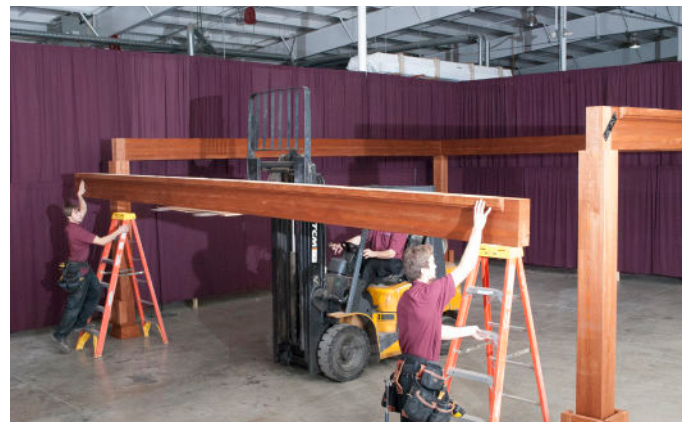
Using previous steps attach second Outside Header Bracket to Post.



Locate the Inside Header Bracket.



Fasten the Inside Header Bracket to the Header using 2 ½" Brown Screws through all holes.



Using previous steps install remaining Headers.



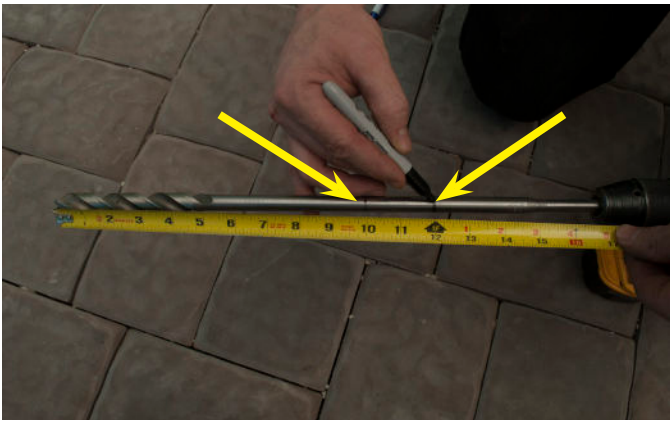
Lift Brace Section into Place.



Center Brace Section on Post.



Fasten Brace section to Post and Header using
3 ½" Brown Screws through all pre-drilled holes.



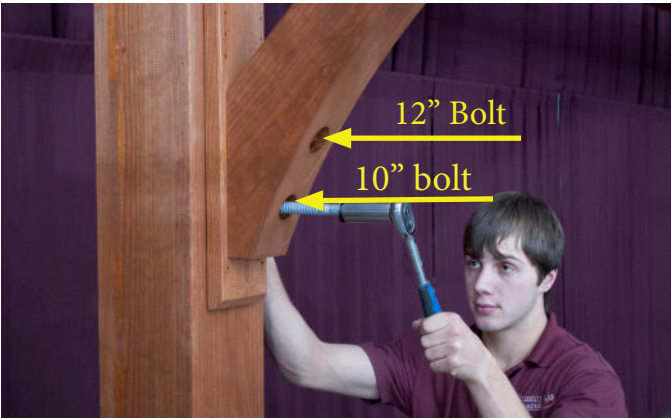
Using a 1 1/16" x 14" Drill Bit place a mark at 10" and also at 12".



Pre-drill through the Brace and into the Header to the depths shown above for all Posts and Headers. Do not over drill, bit is long enough to come out of opposite side of Post.



Prepare the 3/4"x10" and 3/4"x12" Lag Bolts with Washers.



Using 1 1/8" Socket, drive the proper length Lag Bolt into the Brace and Post using the measurements shown above.



Install all the remaining Brace Sections and Lag Bolts.



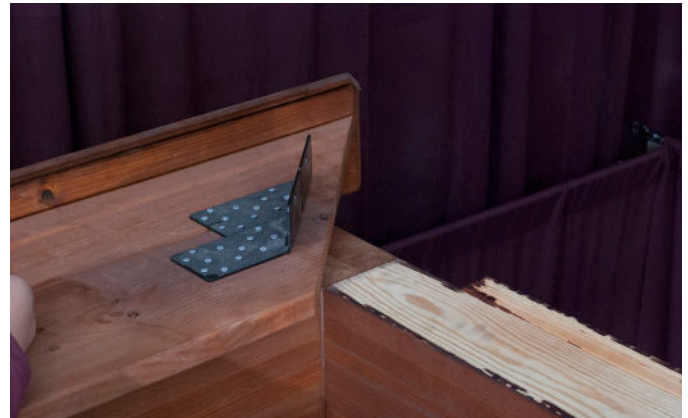
Mark the center of the Header.



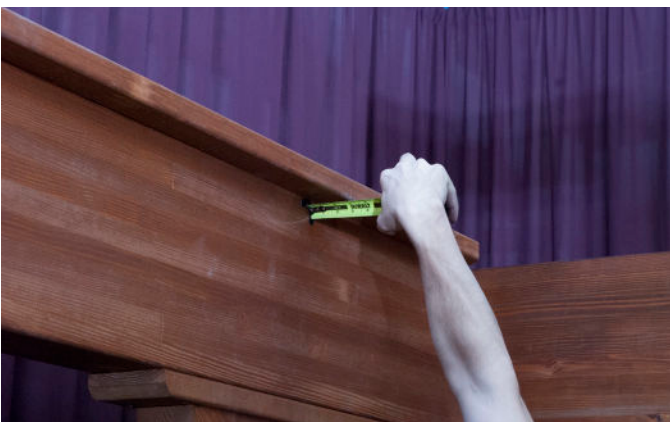
Lift the 1st Roof Plate into Place.



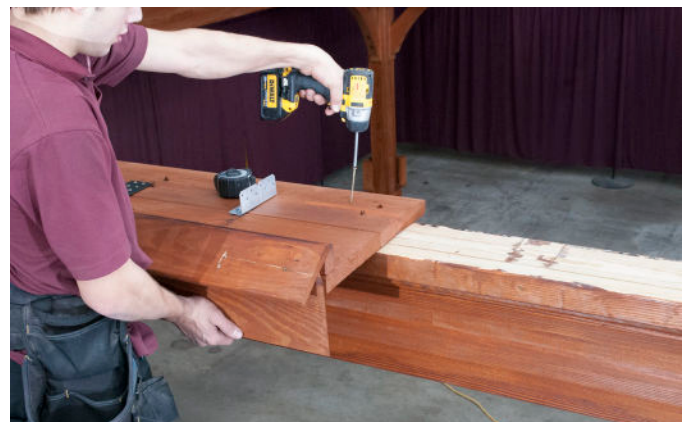
Align edge of Roof Plate to center of Header Beam.



Place the 45 degree edge of the Roof Plate Center onto the Post.



Adjust Roof Plate till inside reveal is the same all the way across.



Fasten Roof Plate temporarily using (1) 3 1/2" Brown Screw at each end in the location shown. This is Not pre-drilled.



Plates are numbered. Ensure adjacent Plate numbers match.



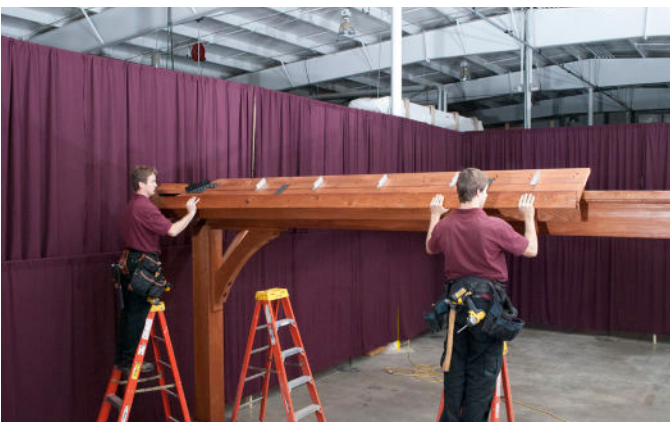
Using previous steps install adjacent Roof Plate.



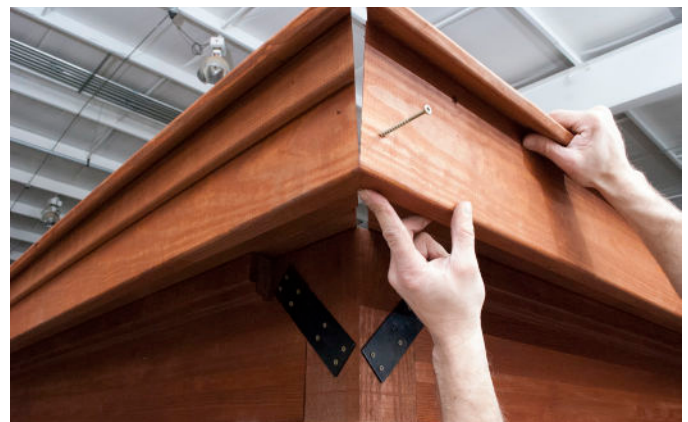
Align corner edge of Roof Plate with corner of Post as shown.



Fasten Roof Plate temporarily using (1) 3 1/2" Brown Screw at each end in the location shown. This is Not pre-drilled.



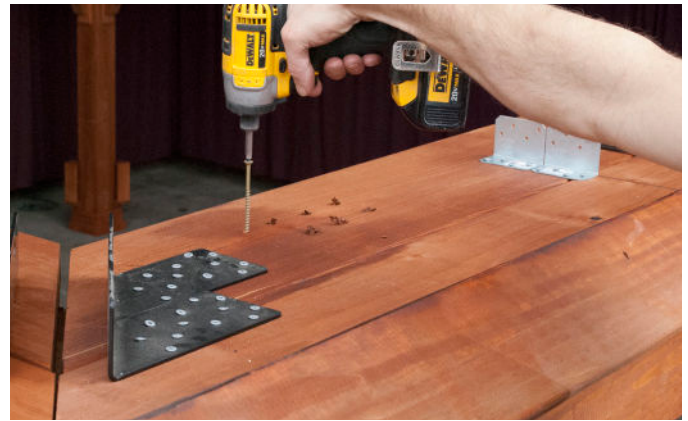
Install adjacent Roof Plate.



Line up corners evenly. Both vertically and horizontally.



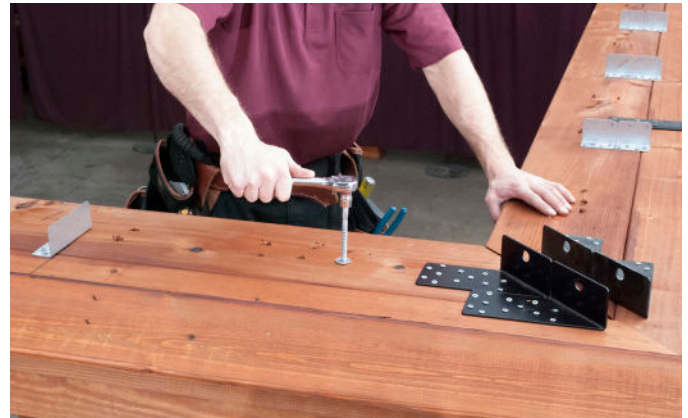
Fasten corners together using (2) 3 ½" Brown Screws, (1) per side.



Fasten Roof Plate temporarily using (1) 3 ½" Brown Screw at each end in the location shown. This is Not pre-drilled. Install all remaining Roof Plates.



Measure across corners both ways and adjust to a square position.



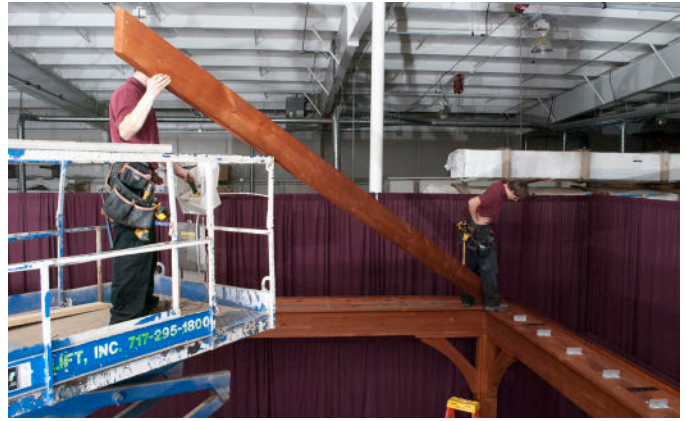
Fasten Roof Plate to Header Beam below using a ⅜" x 4 ½" Lag and a Washer into every pre-drilled hole.



Or use a Power Driven Tool with a ⅛" Socket.



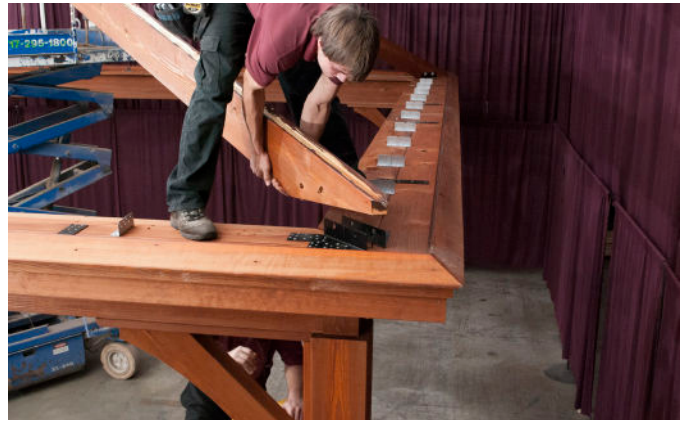
Install first Double Hip Rafter.
There are (2) Left & (2) Right Rafters. Be Sure to
install them in proper corners.



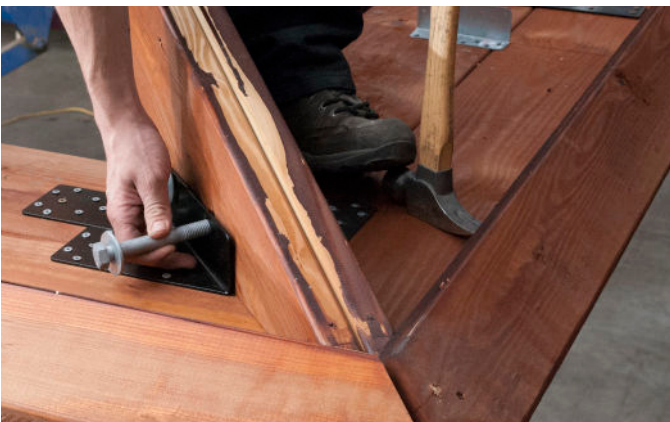
Lift Rafter into Place.



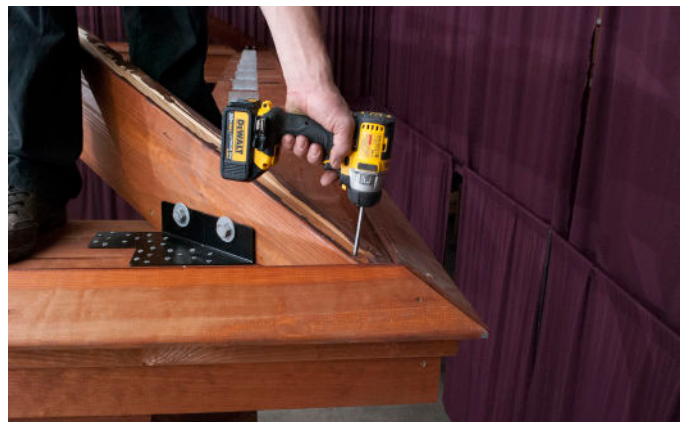
Angles on top of Hip Rafters.



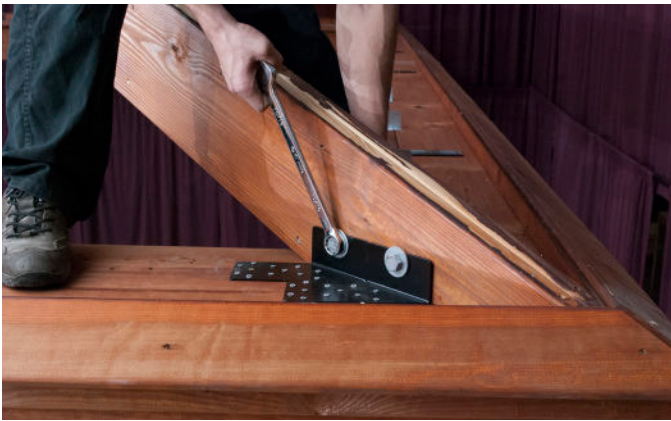
Slide Double Hip Rafter between L Brackets and
press snugly into corner.



Insert $\frac{5}{8}$ "x 4" Bolt and Washer.
Use Washer and Nut on threaded end.



Attach with (2) 2 $\frac{1}{2}$ " Brown Screws through
pre-drilled holes.



Tighten Bolts on Hip Rafter with 1 1/8" Socket.



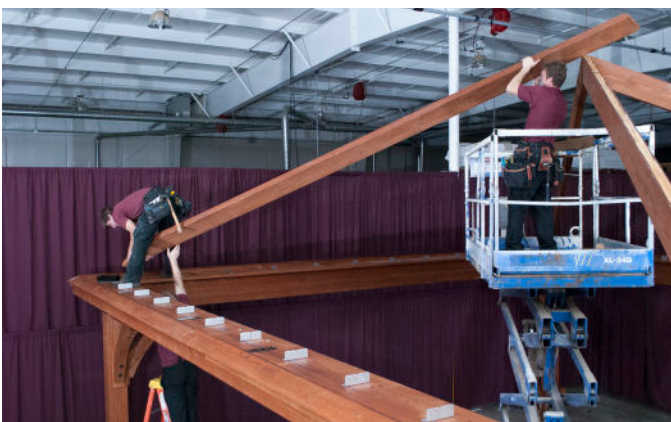
Install next Hip Rafters using previous steps.



Locate the Ridge Bracket.
Note: This Bracket is smaller than the inside Header Bracket.



Fasten the Ridge Bracket using 2 1/2" Black Screws through all pre-drilled holes as shown.



Install all remaining Hip Rafters.



Locate the Jack Rafters.



Install Jack Rafters starting with the smallest one. There are Left and Right Jack Rafters. Ensure the angle at the top aligns with the Hip Rafter.



Place the bottom of the Jack Rafter against the Hurricane Bracket.



Fasten Jack Rafter to Roof Plate using (1) 3 1/2" Brown Screw through pre-drilled hole.



Fasten Jack Rafter to Double Hip Rafter using 3 1/2" Brown Screws through pre-drilled holes. Align both Rafters evenly at top.



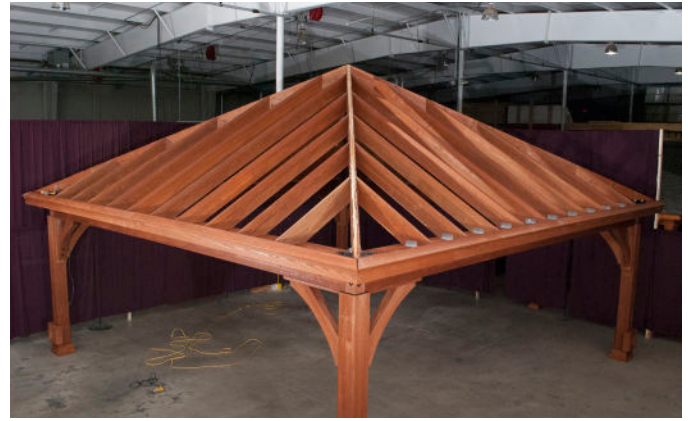
Fasten Hurricane Brackets to Jack Rafter using (8) 1 1/2" Screws.



Fasten opposite side of Jack Rafter to Roof Plate using (4) 2 1/2" Brown Screws through pre-drilled holes (toed).



Install all remaining Rafters using previous steps.



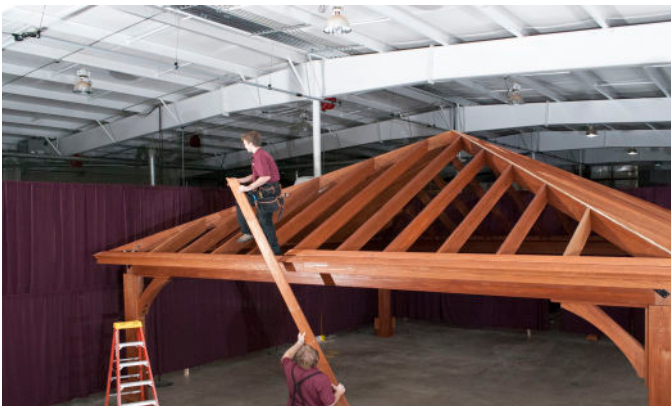
Rafters complete.



Layout 1x6 T&G Roof Boards.
Units 16' or larger get two or more packages per side. Do not mix up packages.



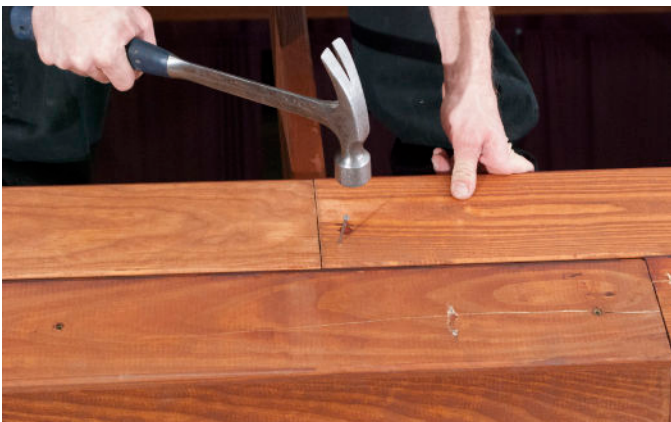
Install 1x6 T&G Roof Boards starting at the bottom with the longest Board first.



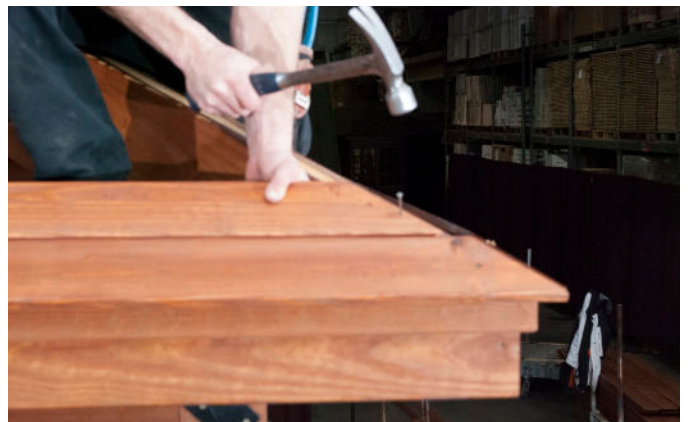
16' and larger Pavilions will require (2) Boards for the first couple rows.



Center the 1x6 T&G Roof Boards on the Rafter.



Fasten to Rafters using 2" Hand Nails (2) per Rafter. You can also use a 2" Power Stapler or Nailer. You will have to supply your own Nails for your specific Nailer.



Work out each way towards the Hip Rafter.



Using previous steps work your way up the Roof.



Finish all (4) sides using previous steps.



Locate 2x4 Filler Block and center Block on Post.



Install Filler Block to Post using (2) 3 1/2" Brown Screws as shown.



Install remaining Filler Blocks using previous steps.



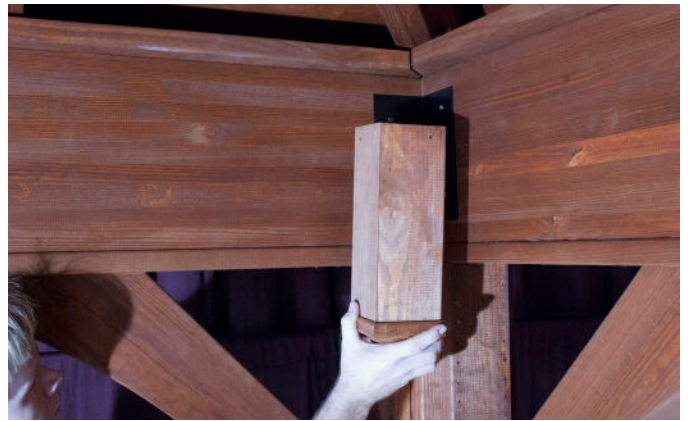
Slide Decorative Post Trim up the Post.



Press Decorative Post Trim tight against Roof Plate.



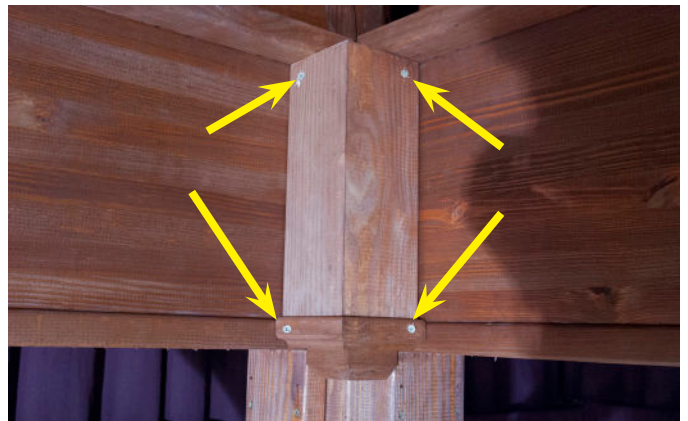
Fasten Decorative Post Trim to Filler Block using (4) 3 ½" Brown Screws through pre-drilled holes.



Install Inside Corner Trim.



Fasten Inside Corner Trim to Header Beam using (4) 2 ½" Screws through pre-drilled holes.



Screw locations



Locate 1x3 Face Trim.



Align Face Trim with Pieces installed at the factory.



Fasten Face Trim to Facia using 1 1/2" Trim Nails every 16" centered.



You are now Ready for the roofing material.

Follow instructions in
a separate manual to
install the Shingles or
Metal Roof.



Enjoy your New Pavilion!