

Arcadian Pergola



Assembly Manual

Arcadian Pergola Assembly Manual

Thank you for your purchase of this Pergola.

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 Pergola put together for this manual was a 10'x14'. This manual can also be used for other sizes. It took 2 men, approximately 4 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 Pergola 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' Step
Ladders



Cordless
Drill



25' Tape
Measure



Utility
Knife



Ratchet with
3/4" Socket



3/16
Drill Bit



Hammer
Drill



1/2" Concrete
Drill Bit



(4) 2"x4"x8' Long
(2) 2x4 Approx 4' Long
for bracing header assemblies

Parts List



4" Star Drive
Screws



3" Star Drive
Screw



3.1/2" Brown
Screws



3" Brown Screw



1" Pan Screw



2" White Head
Screws



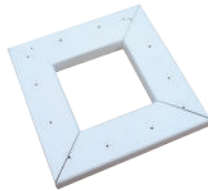
4" Concrete Lag



2" Pan Screws



Rafter Bracket



Square Post Trim



Top Post Cap



Decorative Trim Cover



Mr. Clean Cleaning
Sponge



Decorative End Caps



Small Stabilizer Brace



Large Stabilizer Brace



Country Lane Plaque
w/ Serial #



Rafter L Bracket



PVC Cement



2" Star Drive
Screw Bit



2" Square Drive
Screw Bit

Parts List



Main Header



Arch Rafter



2x2 Purlin



Spacer Board

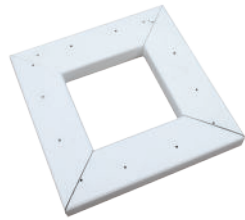


Set your Pergola Package as close to the building site as possible.

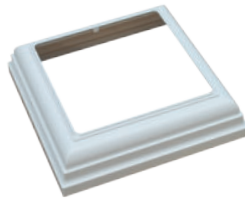


Remove protective shrink wrap. Do not unwrap until you are ready to build. Keep dry and protected until you are ready to assemble the Pergola.

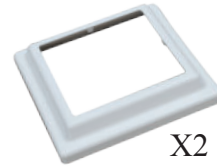
6x6 Post Assembly



Top Square Trim

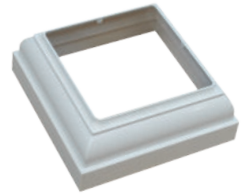


Top Large Trim



Top & Bottom
Small Trim

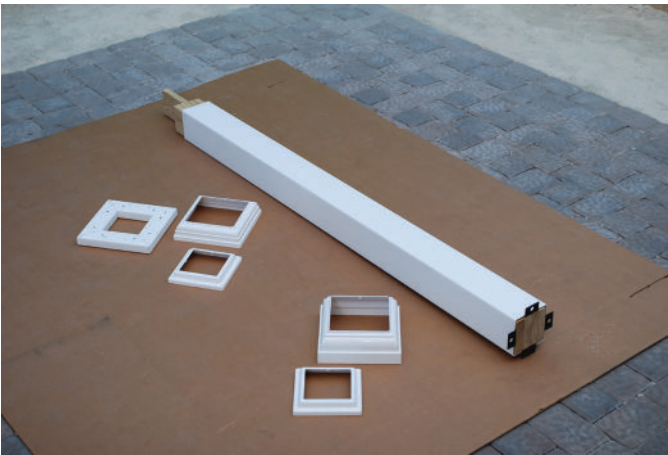
X2



Bottom Large Trim



6x6 Post



Layout Post and all Post Trim Pieces.



Insert all Trim Pieces onto post from the top of the post down.

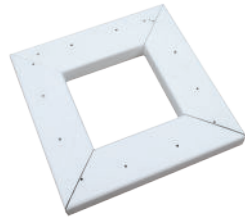


Insert all Trim Pieces in the order shown above.

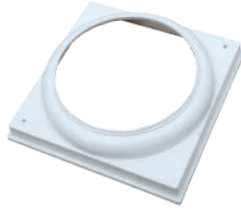
Note: Be sure the Pieces are installed correctly before you move onto assembling the Pergola. Changing or adding pieces is impossible once you have started assembly.

Take note the direction the pieces are facing and that you install them properly.

Round Column Post Assembly



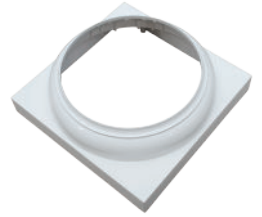
Top Square Trim



Top Trim



Decorative Ring



Bottom Trim



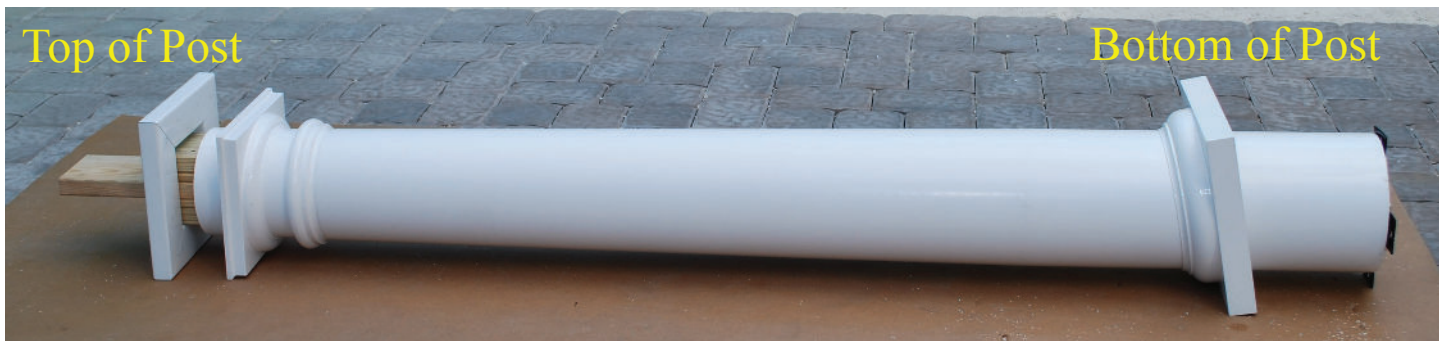
10" Column



Layout Post and all Post Trim Pieces.



Insert all Trim Pieces onto post from the top of the post down.

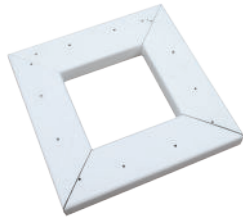


Insert all Trim Pieces in the order shown above.

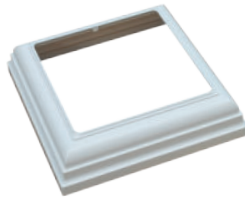
Note: Be sure the Pieces are installed correctly before you move onto assembling the Pergola. Changing or adding pieces is impossible once you have started assembly.

Take note the direction the pieces are facing and that you install them properly.

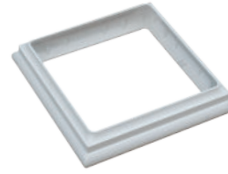
8x8 Post Assembly



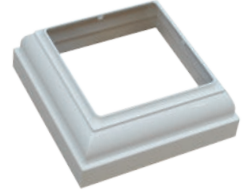
Top Square Trim



Top Large Trim



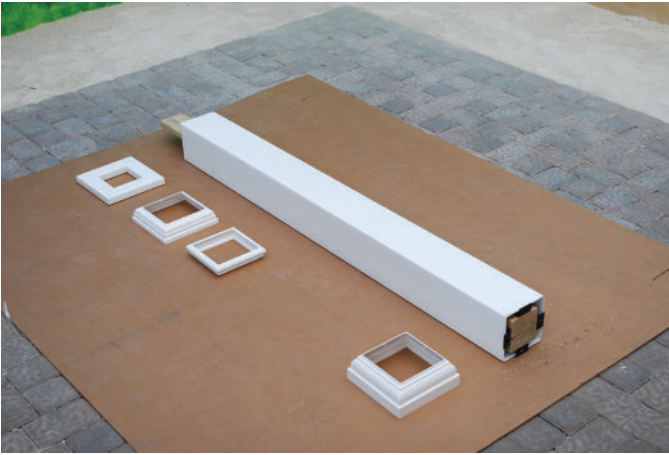
Decorative Ring



Bottom Large Trim



8x8 Post



Layout Post and all Post Trim Pieces.



Insert all Trim Pieces onto post from the top of the post down.

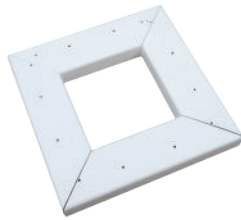


Insert all Trim Pieces in the order shown above.

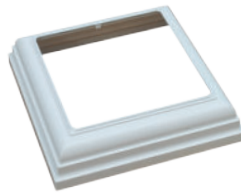
Note: Be sure the Pieces are installed correctly before you move onto assembling the Pergola. Changing or adding pieces is impossible once you have started assembly.

Take note the direction the pieces are facing and that you install them properly.

Superior Post



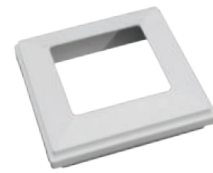
Top Square Trim



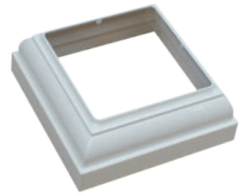
Top Large Trim



Top Small Trim



Top Superior Trim



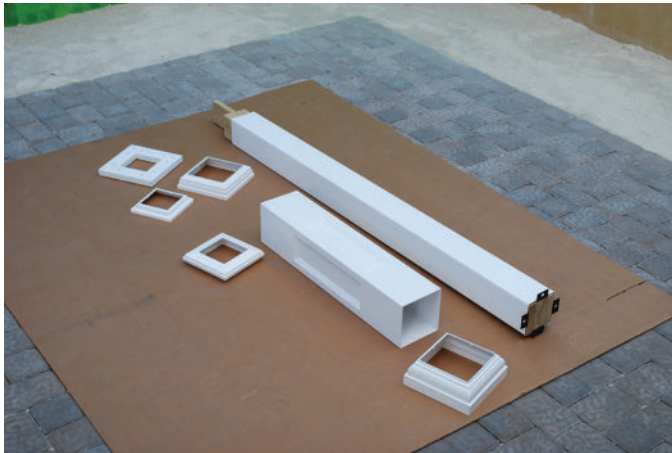
Bottom Superior Trim



8x8 Superior Sleeve



6x6 Post



Layout Post and all Post Trim Pieces.



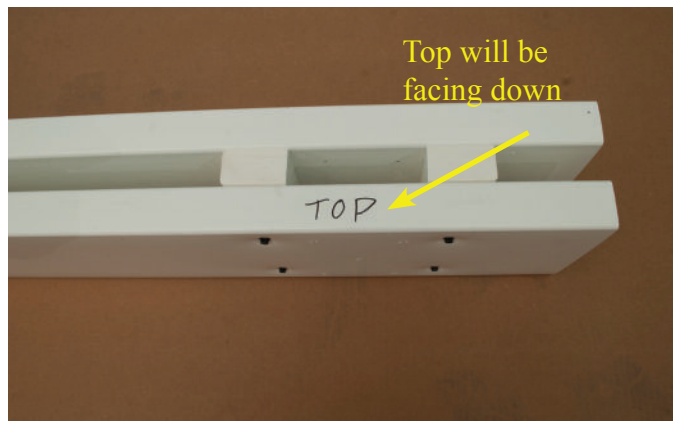
Insert all Trim Pieces onto post from the top of the post down.



Insert all Trim Pieces in the order shown above.
 Note: Be sure the Pieces are installed correctly before you move onto assembling the Pergola. Changing or adding pieces is impossible once you have started assembly.
 Take note the direction the pieces are facing and that you install them properly.



Place protective cardboard on ground or patio to protect vinyl pieces from damage. Layout Main Header.



Take note of the marked side of the Main Header. Place the "Top" Mark facing down.



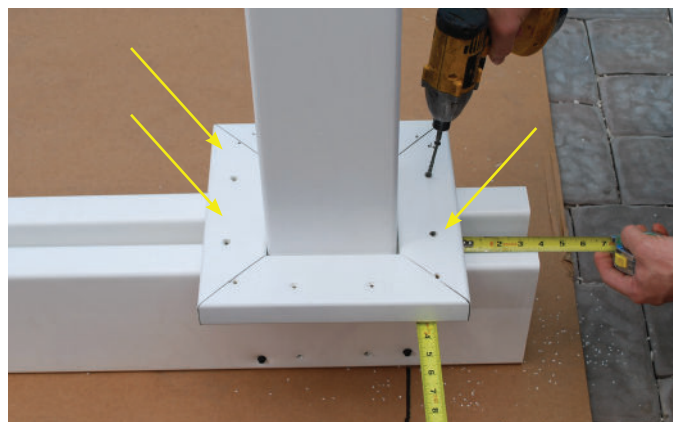
Install Post with Trim Pieces already in proper place.
Note: All Trim Pieces must be installed on the Post before completing this step.



Turn Post upside down and insert into slot of Main Header.



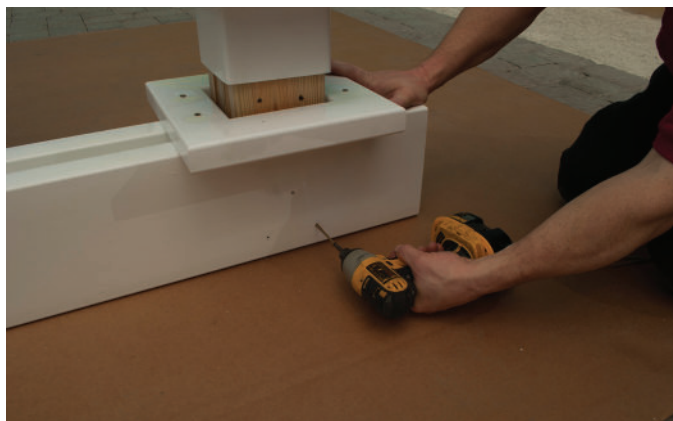
Slide Post down against and hold in a level position.



Slide Square Trim Piece down into position and equally space the trim piece around the Post using (4) 3" Brown Screws into pre drilled holes as shown with the yellow arrows. Countersink screws slightly.



Set Post into a level position and align squarely with Main Header.



Fasten Main Header to Post on out side using (5) 3.1/2" Brown Screws into pre-drilled holes.



Tighten screws so they sink slightly into vinyl.



Fasten Main Header to Post on inside using (5) 3.1/2" Brown Screws into pre-drilled holes.



Using previous steps attach opposite Post to Main Header.



Lower Header assembly.



Carefully set onto floor.



Lift Main Header side up and set into place.



To keep the Header Assembly upright build an A-frame brace using your own 8' long 2x4's and fasten with (2) 2.1/2" screws.



Assemble 2nd Header and Post Assembly in location as shown.



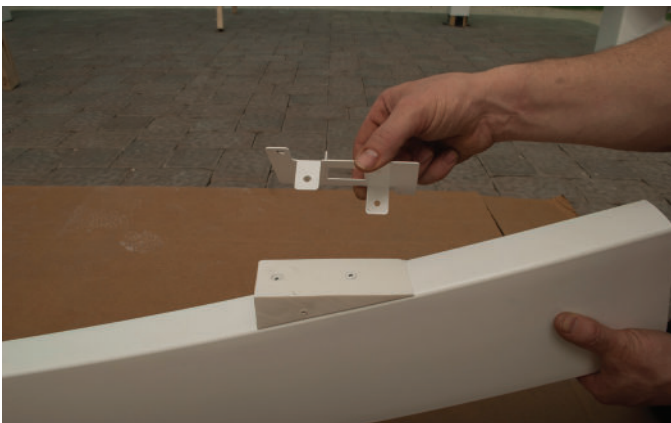
Carefully lay the post side down and lift the header side up into an upright position.



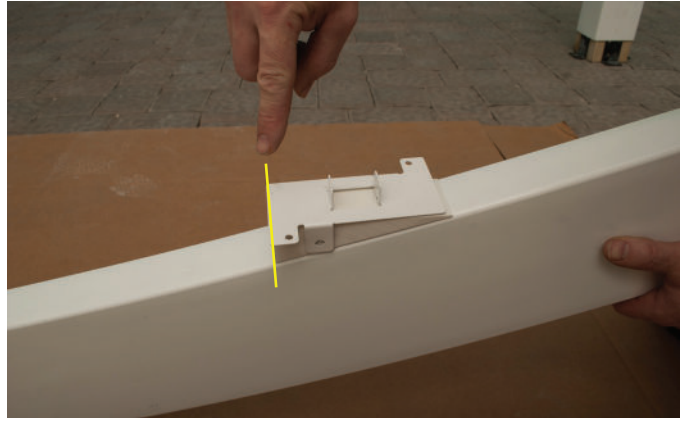
Build a second 2x4 A frame brace to stabilize Main Header assembly.



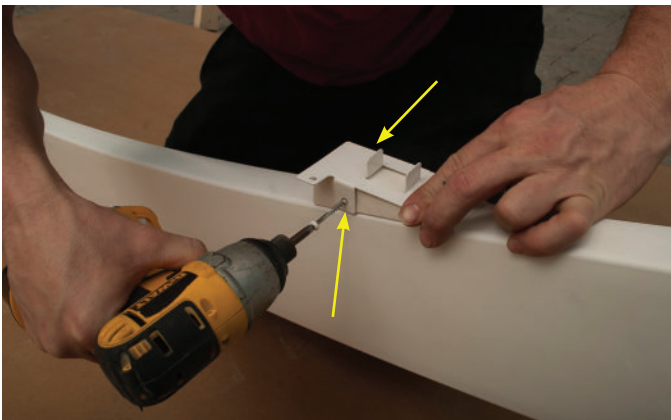
You are now ready for the Arched Rafter.



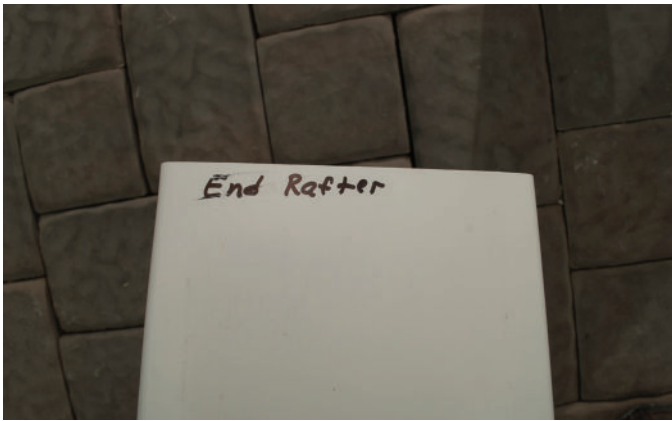
Locate the Rafter Brackets and place onto Poly Shim.



Align Rfater Bracket with the edge of the poly shim.



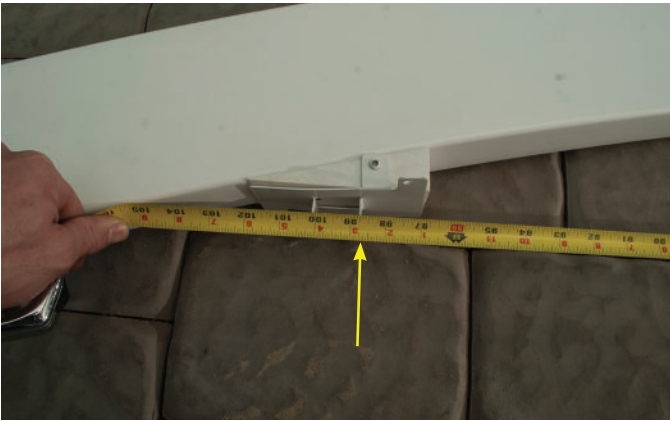
Fasten with (2) 2" Pan Head Screws. Attach all Rafter Brackets to All Arch Rafters using previous steps.



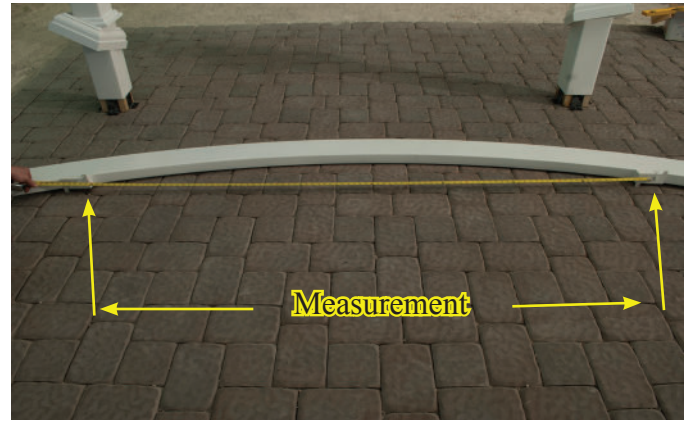
Locate the two Arch Rafters that say End Rafter. These rafters have a solid laminated wood core.



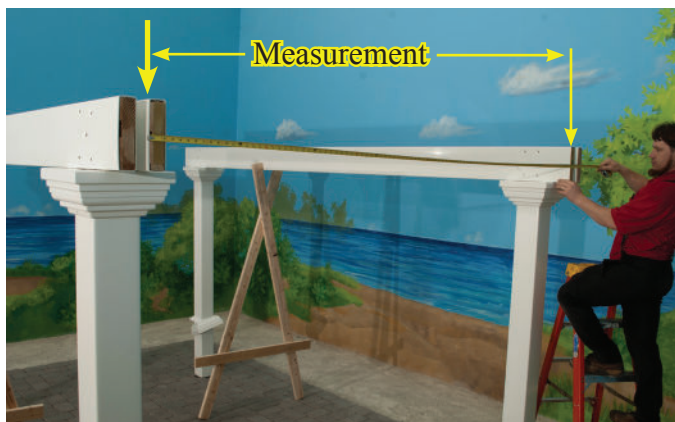
Place a tape measure on the inside nib of the Rafter Bracket .



Measure across to the opposite side of the rafter to the inside nib of the Rafter Bracket.



This will give you the measurement for the post span.



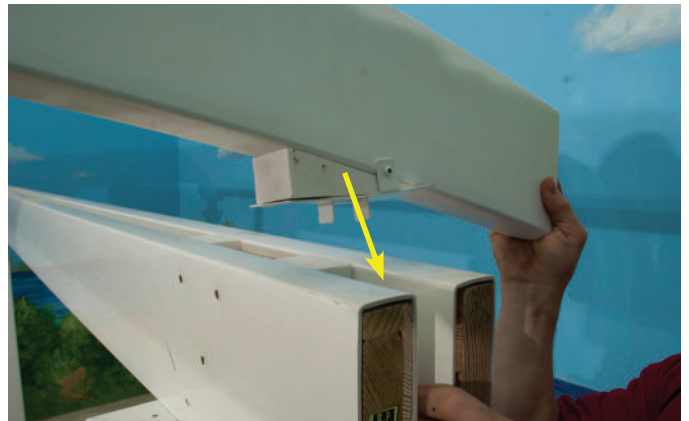
From the inside of the first 2x8 of the Main Header, measure across to the inside of the opposite Header.



Adjust Header Assembly to match the rafter measurement.



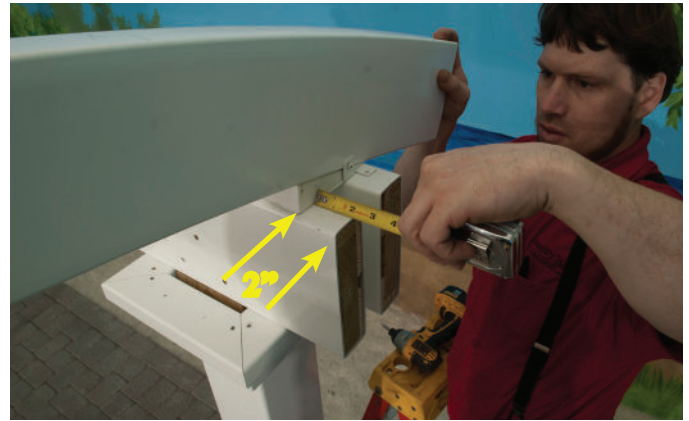
Lift End Rafter into position.



Align Rafter Bracket with Main Header.



Place Rafter on top of Main Header as shown.



Position Rafter 2" from the end of the Main Header.



Fasten Rafter Bracket with (1) 2" white Pan Screw Fasten bracket on the out side only at this time.



Attach Both ends.



Fasten opposite end Rafter using the previous steps.



Measure the top of the Posts .



Use that measurement and align the bottom with the top.



Make sure your pergola is square by Measuring diagonally from corner post to corner post in both directions.



Anchor Post to Concrete Pier below. Pre-drill hole in concrete using a 1/2" cement drill bit.



Insert provided 4" Concrete Lag or purchase longer ones if your piers are below pavers. Be sure to have a bolt long enough so that at least 4" of the bolt is firmly into concrete footer.



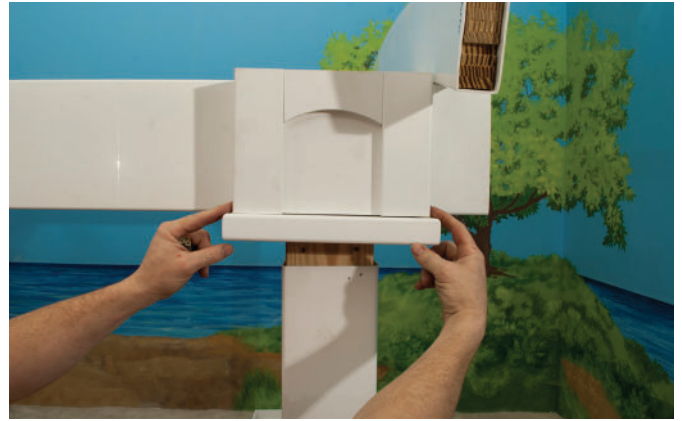
Use (4) Concrete Lags per Post.



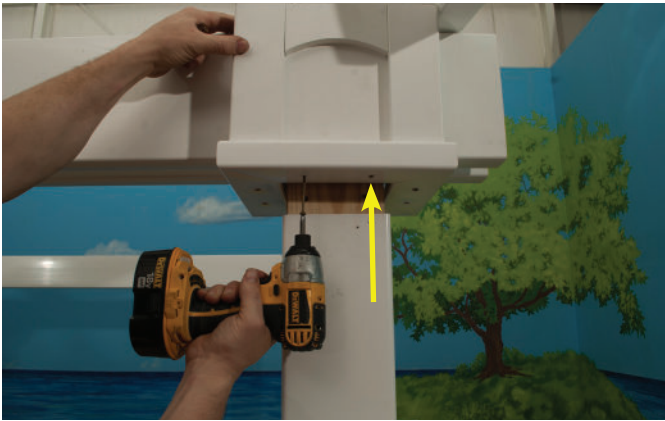
Slide both Trim Pieces down against ground. Push Small Bottom Trim down to pop onto lower Large Bottom Trim Piece. Attach to post using (2) 2" Pan Screws. One on both sides opposite each other.



Place the Decorative Trim Cover into place.



Align Decorative Trim Cover centered square onto Post Trim.



Fasten from the bottom up using (2) 2.1/2" Brown Screws.



Install Decorative Trim Cover on the inside using previous steps.



Place Top Post Cap into position. After Both Decorative Trim covers are installed.



Align Top Post Cap squarely on top of Decorative Trim Covers.



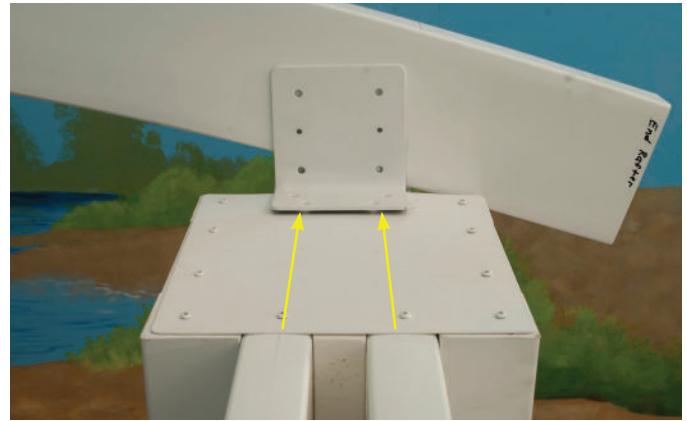
Ensure the Decorative Trim Cover is tight against the Main Header.



Attach Top Post Cap to Trim Covers below using (10) 1" Pan Screws. Do not fill holes at location of arrows.



Locate the Rafter L Bracket.



Align the Rafter L Bracket so that the holes are directly above the Main Header.



Pre drill holes through the Post Cap using a 3/16" drill bit. Drill bit not provided



Fasten Rafter L Bracket to Main Header using (4) 3" Star Drive Screws.



Fasten Rafter L Bracket to the Rafter using (6) 2" White Head Screws.



Using previous steps fasten the remaining Rafter L Brackets at all corners.



Slide both Top Post Trim pieces tight up against Square Post Trim piece.



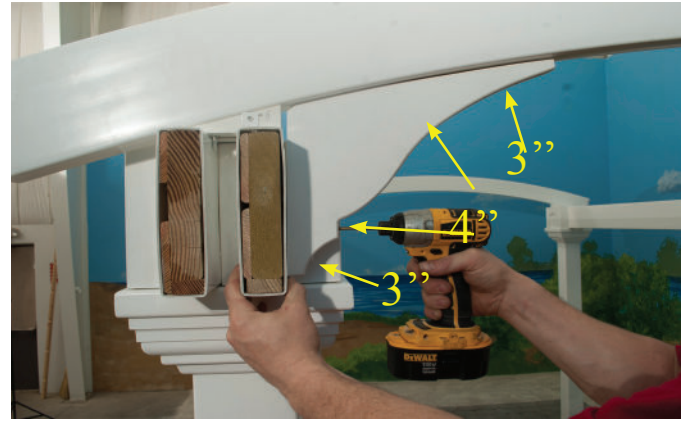
Fasten to Post using (2) 2" Pan Screws.



Complete remaining (3) corners using previous steps.



Place the Large Stabilizer Brace onto the center of the Arch Rafter Joist and back against the inside of the Main Header Beam.



Fasten the Large Stabilizer Brace using (2) 3" Star Drive Screws and (2) 4" Star Drive Screws as shown above.



Attach all Large Stabilizer Braces into Position using Previous Steps.



Place the Small Stabilizer Brace onto the center of the Arched Rafter Joist and back against the outside of the Main Header Beam.



Fasten Small Stabilizer Brace with (2) 3" Star Drive Screws, and (1) 4" Star Drive Screw as shown above.



Attach all Small Stabilizer Braces into position using previous steps.



Place Arch Rafter Joists in center of pergola.



Lift 2x6 Arch Rafter Joist into position.



Continue by placing all Arch Rafter Joists onto Main Headers.



Locate provided Spacer Board.



Starting at one end, adjust each Arch Rafter Joist into position with each notch of the Spacer Board.



You are now ready to attach the Arch Rafter Joist to Main Header



Fasten each Arch Rafter Joist to Main Header using (2) 2" Pan Screws.



Slide Spacer Board to opposite side of Pergola.



Fasten each Arch Rafter Joist to Main Header using (2) 2" Pan Screws.



Reposition Spacer Board to the center of the Arch Rafter Joists.



Prepare 2x2 Purlin for installation.



Place 2x2 Purlin directly on top of the X shown above. Align the edge of the 2x2 Purlin with the line beside the X.



Center Purlin on Arch Rafters ensure you have the same over hang on opposite end.



Fasten 2x2 Purlin to Arch Rafter below using (1) 2" Pan Screw .



Tighten Screw until snug against vinyl. Do not over tighten. If over tightened vinyl will Break.



Attach 2x2 Purlin to the Arch Rafter below at every intersection.



Working from front to back continue installing all 2x2 Purlins as shown in previous steps.



Remove Spacer Board when done.



Install 2x8 Decorative End Caps.
Apply PVC Cement on the inside edge of Decorative End Caps. Note: Opening the can is sometimes difficult, tap on edge of lid with a hammer to help break the seal.



Slide Decorative End Cap onto 2x8 ends.



Push onto End Cap and hold for a few seconds, make sure it is tight in against 2x8 on Main Header.



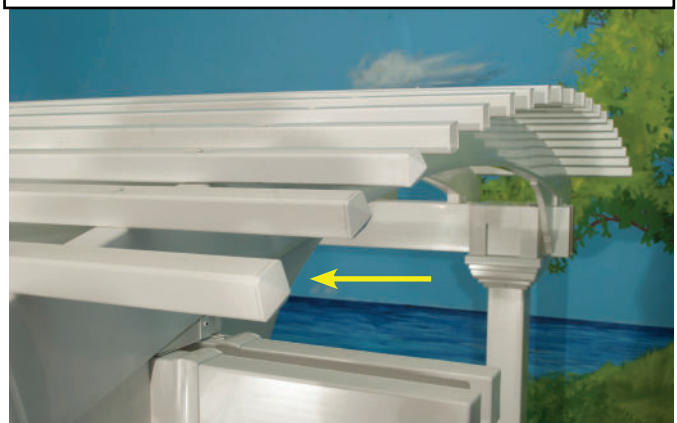
Repeat previous steps for all 2x6 Decorative End Caps.



Install 2x2 Decorative End caps. Apply Pvc Cement on inside of 2x2 Purlins.



Insert Decorative End Cap into 2x2 Purlin.



Press Firmly and hold for a few seconds.
Using previous steps continue to install all 2x2 Decorative End Caps.



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.



Enjoy your new Arcadian Pergola!

