

Kingston Pergola



Assembly Manual

Kingston 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 18'x22' Rectangle. This manual can also be used for other sizes. It took 4 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



Hammer
Drill



Cordless
Drill



Speed
Square



25' Tape
Measure



Utility
Knife



Ratchet
with 1.1/8"
Socket



Paint
Brush



Hammer



Level



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



6' Step
Ladders



5/8 x 14
Drill Bit



3/16
Drill Bit



1/2" Concrete
Drill Bit

Parts List



Country Lane Name
Plaque w/ Serial #



3" Brown Screws



3.1/2" Brown
Screws



1/2 x 4" Concrete
Lag



3/4 x 8" Lags
W/ Washers



3/4 x 10" Lags
W/ Washers



3/4 x 12" Lags
W/ Washers



2" Square Drive Bit
(1) 5/16 Hex Drive



Post Bracket



Touch Up Stain



Header Extension
20' Wide Units and
Longer Only.



Post Brace



Post Skirt



Header Beams



Posts



Rafters



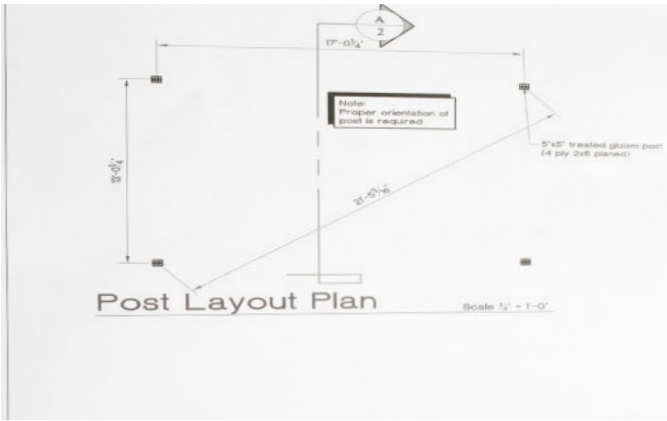
Stringers



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



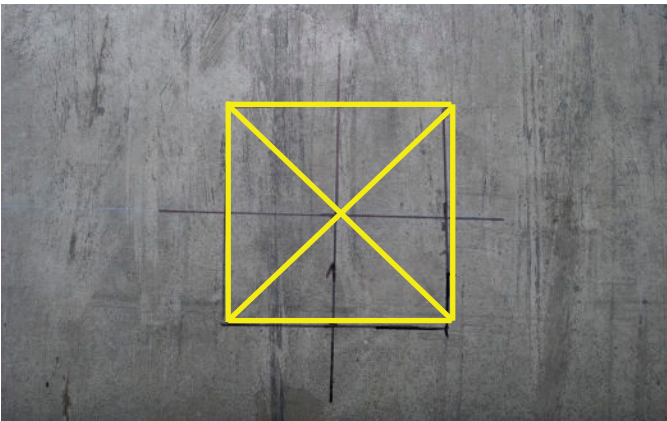
Remove protective shrink wrap. Do not unwrap until you are ready to build. Keep dry and protected until you are ready to assemble the Pergola.



Start by locating the post layout plan.



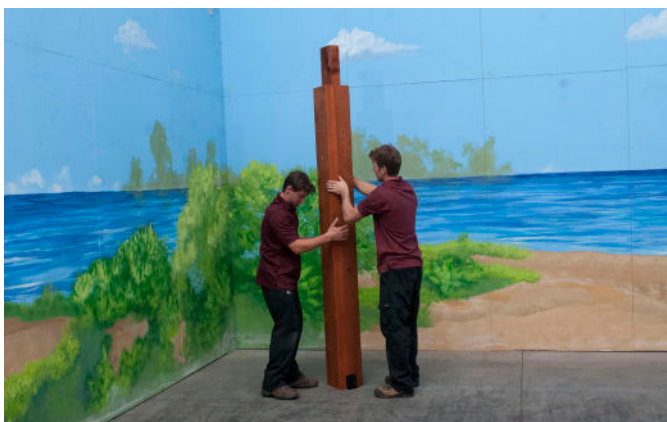
Measure and mark the post centers as shown on the post layout plan.



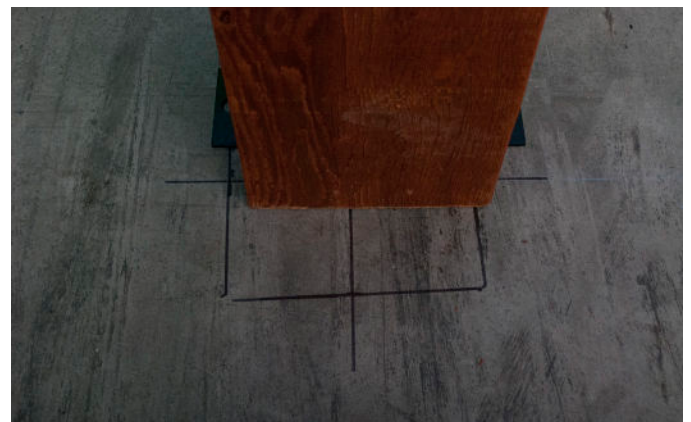
Draw an 8" Square around the center of the Mark with and X in the center as shown.



Place the 8x8 Posts in prepared location.



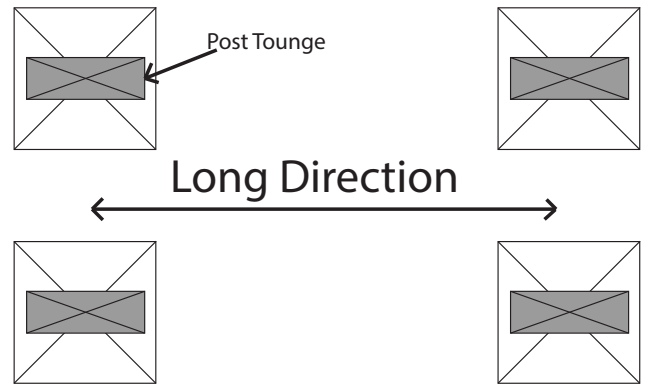
Set the post with the notched end up.



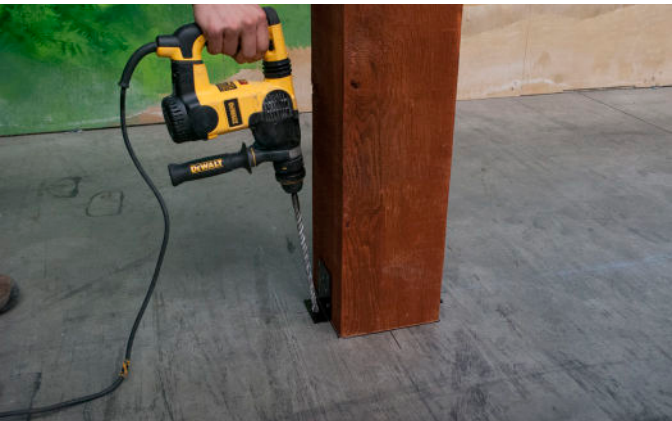
Align the Posts with the marks.



Take Note of the top of the post Tongue Direction.



Ensure the Tongues are oriented in the direction of the longest side.



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 Posts Skirt is notched out at the bottom, be sure to align the notches with the brackets installed on the Post.



Place the Post Skirt on the post.



Install all remaining Post Skirts.



All Posts anchored and Post Skirts installed.



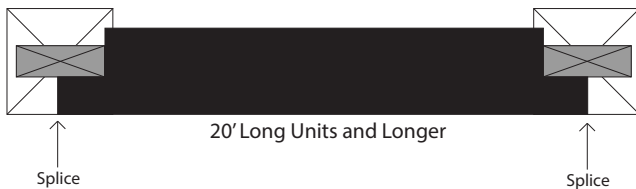
Locate the Long Header.



Lift the Long Header into place.



18' Long Units and Shorter

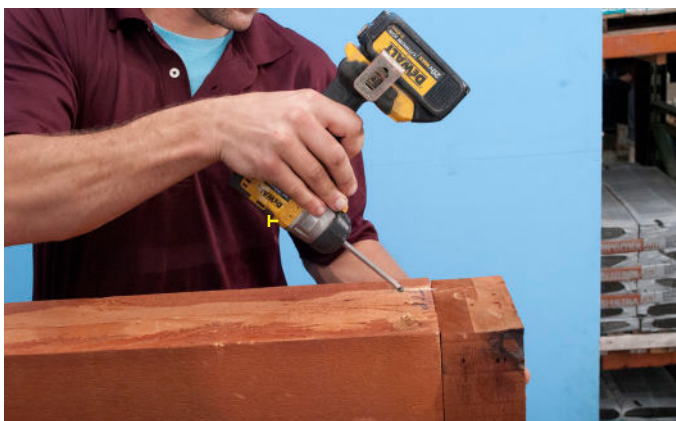


20' Long Units and Longer

On 18' Long Units and Shorter,
Long Header will be (1) continuous Beam.
On 20' Long Units and Longer,
Longer Header will be (3) Pieces.



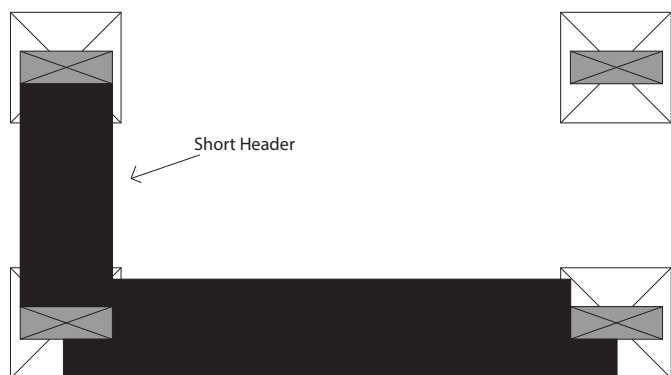
Align Long Header with Post



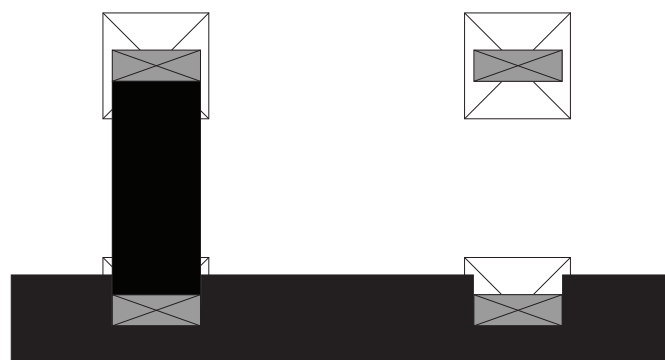
Fasten from the top down using (2) 3.1/2" Brown screws.



Lift Shorter Header into place.



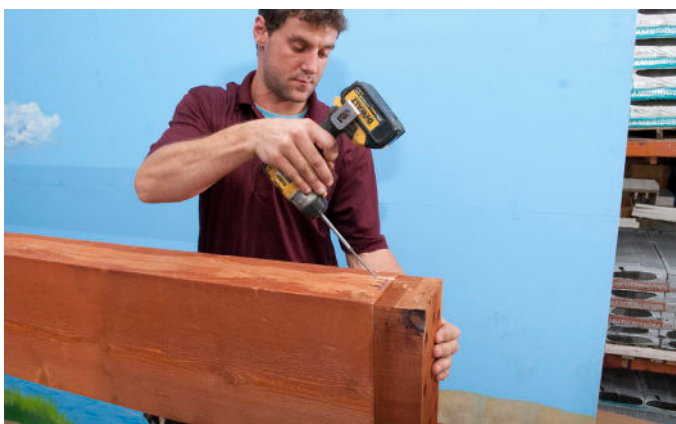
20' Long Units and Longer



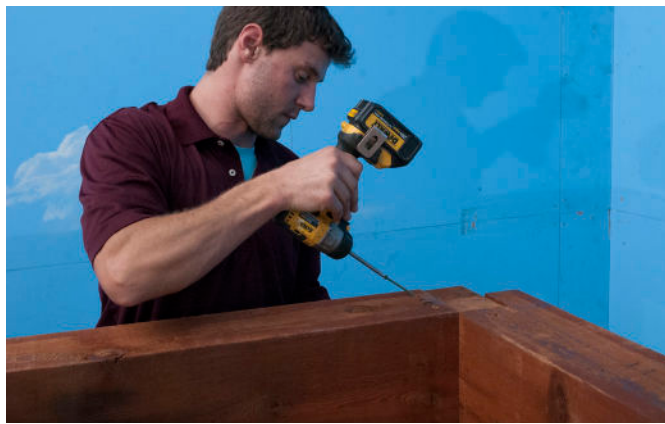
18' Long Units and Shorter

Short Header to be centered on post.

Short Header to be centered on post.



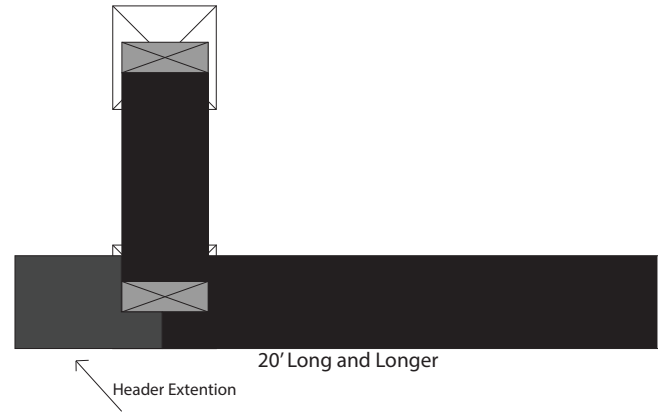
Fasten Short Header to post from the top down using 3.1/2" Brown Screws toed.



Fasten opposite side header to post using previous steps.



Install remaining headers using previous steps.



On 20' Long and Longer Pergolas Prepare to install Header Extension.



Locate the Header Extension.
Note: Header Extensions are only used on 20' or longer Pergolas.



Align the Header Extension with long Header Beam.



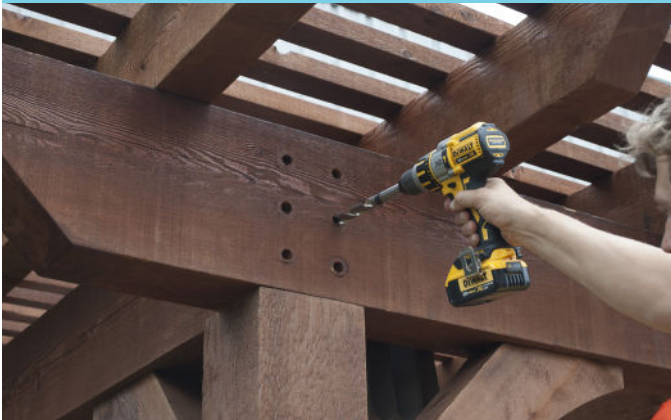
Fasten the Header Extension to the post using (2) 3.1/2" Brown Screw toed.

18' Long and Shorter Kingston
Pages 11-12 - Blue Background

20' Long and Longer Kingstons
Skip to Pates 13-15
Green Background Pages



Using a 5/8 x 14" Drill Bit place a mark at 10".



Drill through the pre-drilled holes in Long Header.
Drill a 10" deep hole through the post and into
Short Header.



Insert 10" Lagbolt and tighten with a 1.1/8"
Socket.



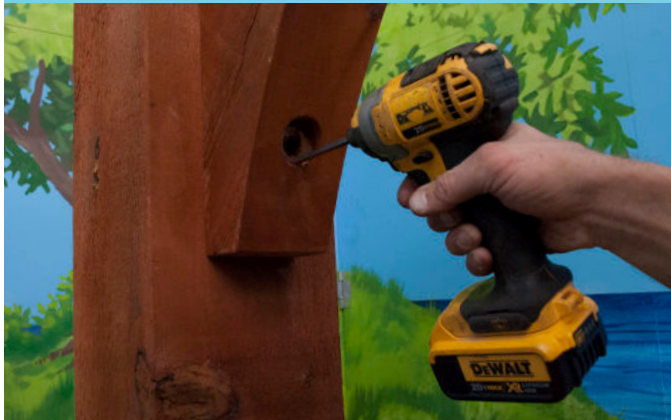
Install all remaining Lag bolt at each post using
previous steps.



Locate the Braces.



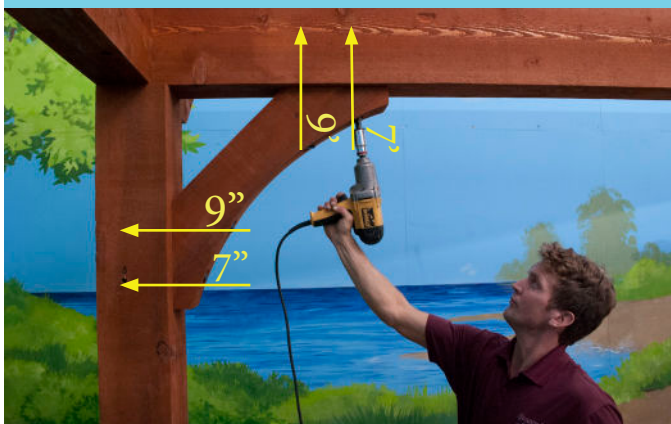
Fasten the Brace to the Header at the top Using (1) 3.1/2" Brown Screw.



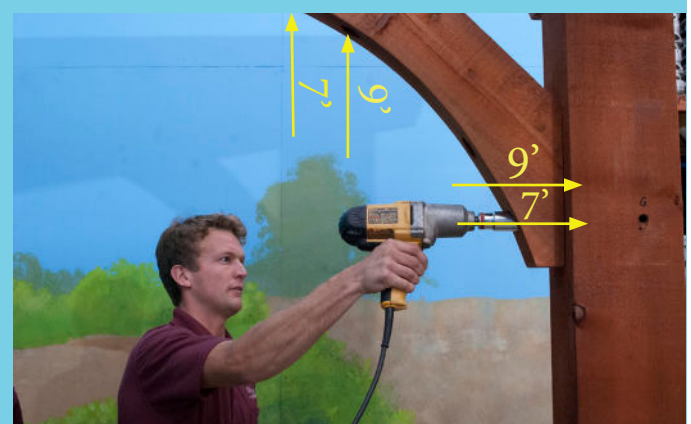
Fasten the Brace to the Post at the Bottom using (1) 3.1/2" Brown Screw.



Using a 5/8 x 14" Drill Bit place a mark at 7" and also at 9".



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.



Install the 7" & 9" Lag Bolts using 1.1/8" Socket.

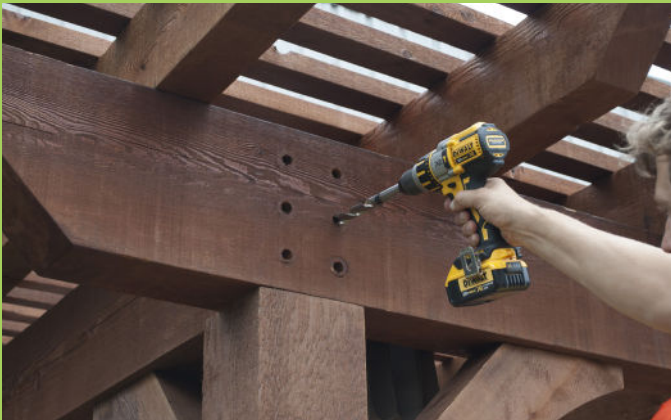
Skip ahead to Page 16"

20' Long and Longer Kingstons
Go to pages 13-15

18' Long and Shorter Kingston
Skip to Page 16



Using a 5/8 x 14" Drill Bit place a mark at 10".



Drill through the pre-drilled holes in Long Header.
Drill a 10" deep hole through the post and into
Short Header.



Locate and Place large Header Bracket.



Locate 10" Lag bolts and Install using 1.1/8" Socket.



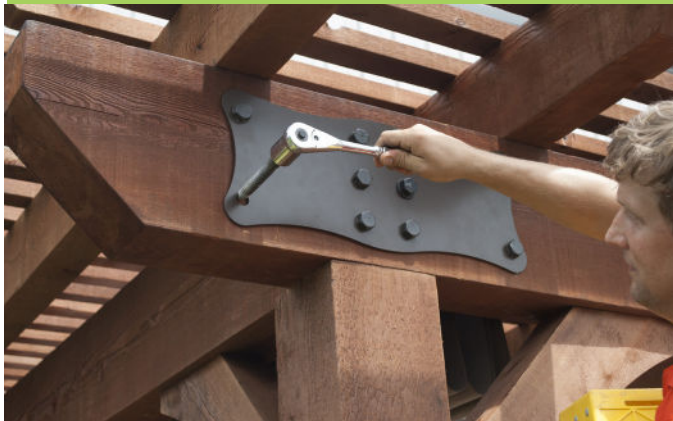
Install all (6) center Lag Bolts.



Using a 5/8 x 14" Drill Bit place a mark at 4".



Through Holes in bracket, Pre-drill a 4" deep hole into the Long Header.



Install the 4" long Lag Bolts in all (4) holes.



Install all remaining brackets using previous steps.



Locate the Braces.



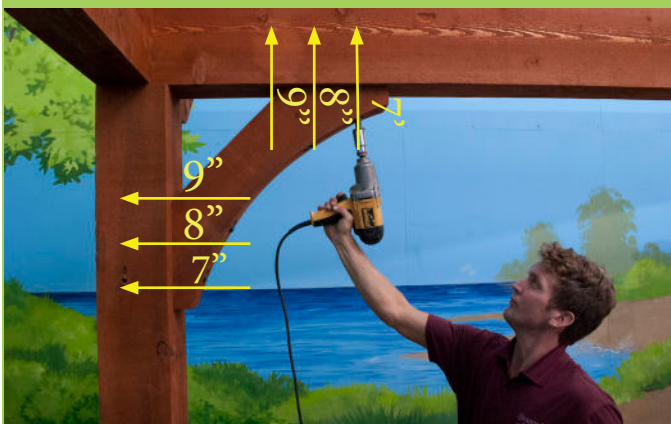
Fasten the Brace to the Header at the top Using (1) 3.1/2" Brown Screw.



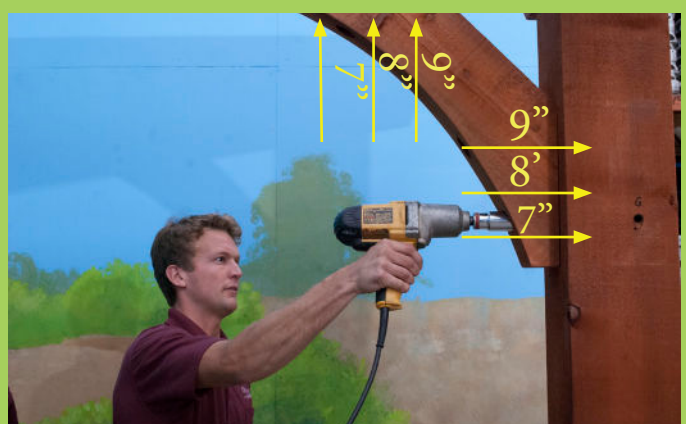
Fasten the Brace to the Post at the Bottom using (1) 3.1/2" Brown Screw.



Using a 5/8 x 14" Drill Bit place a mark at 7", 8" and also at 9".



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.



Install the 7", 8" & 9" Lag Bolts using 1.1/8" Socket.



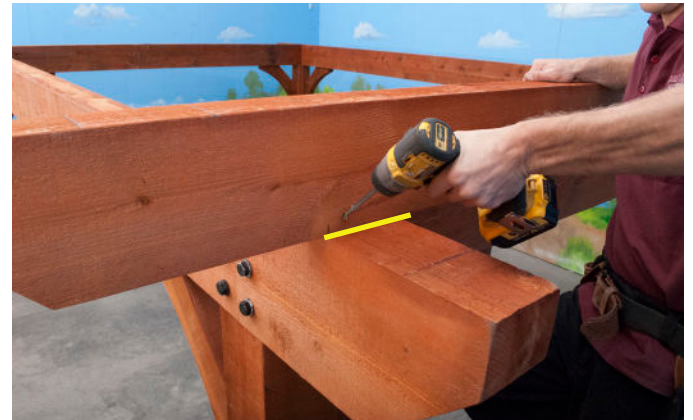
Note (2) Rafters will have marks on them use these Rafters at each end.



Locate the Marked Rafter. Note Rafters run the short direction.



Place the Rafter on the Long Headers directly on top of the X and even with the line.



Center the Rafter.
Fasten the rafter to the Header Using (2) 3.1/2" Brown Screws toed at each end.



Fasten opposite end using previous steps.



Using Previous steps install remaining Rafters.



Note the last Rafter is marked.



Using a Chalk Line place the line on the pre-marked end rafters.



Mark the center Rafters .



Locate the 2x3 Stringers.



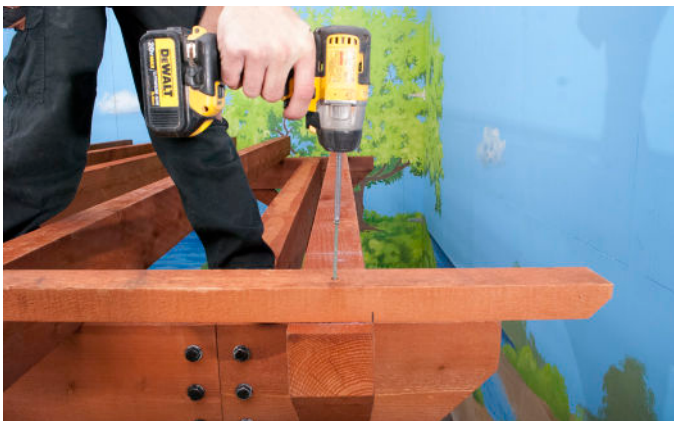
Place the edge of the Stringer flush with marks on the Rafters.



Measure the over hang on the left side.



Ensure Stringer is centered on the Rafters with the same overhang on each end.



Fasten the Stringer to the Rafter from the top down using (1) 3" brown screw.



Working from left to right fasten stringers at each intersection using (1) 3" brown screws.



Using previous steps install remaining stringers.



Enjoy your new pergola.



Enjoy your New Pergola!