

# Wood Pergola



# Assembly Manual

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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 10x12 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 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' & 10'  
Step  
Ladders



25' Tape  
Measure



Cordless  
Drill



Hammer  
Drill

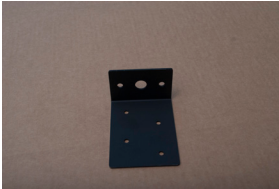


(4) 2x4x8' Long  
(2) 2x4 Approx 4' Long  
for bracing header assemblies



1/2" Concrete  
Drill Bit

# Parts List



L Bracket



2" Screws



2 1/2" Screws



3" Screws



3 1/2" Screws



1 1/2" Black Head  
Screws



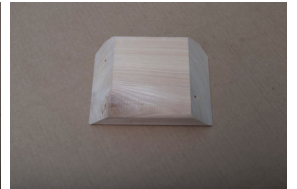
2 1/2" T-Lok Screws



2 1/2" Tapcon Screws



Post Skirt Piece With  
Notch



Post Skirt Piece  
Without Notch



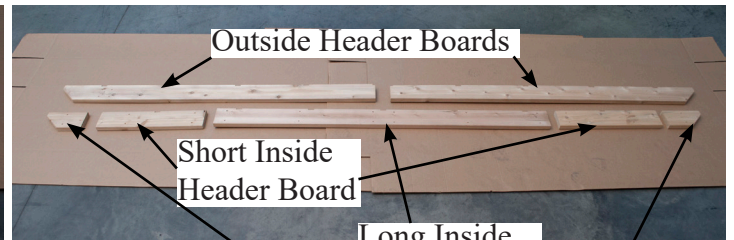
Brace



Hardware Box



Post



Header Parts.

Outside of Post Header Board



Stringer Boards

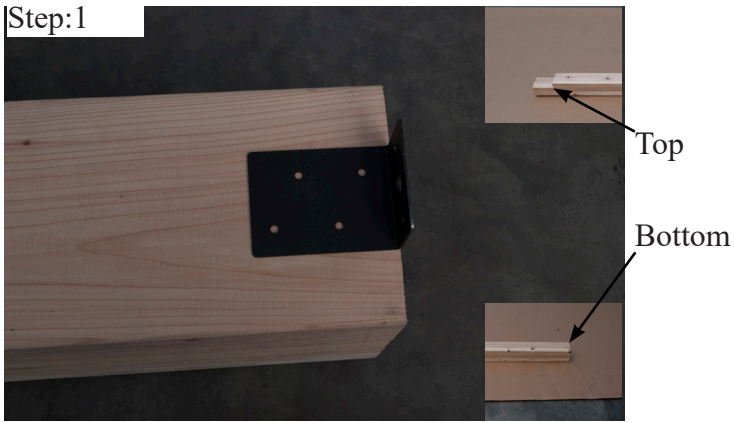


Bottom Rafter Boards



Top Rafter Boards

Step:1



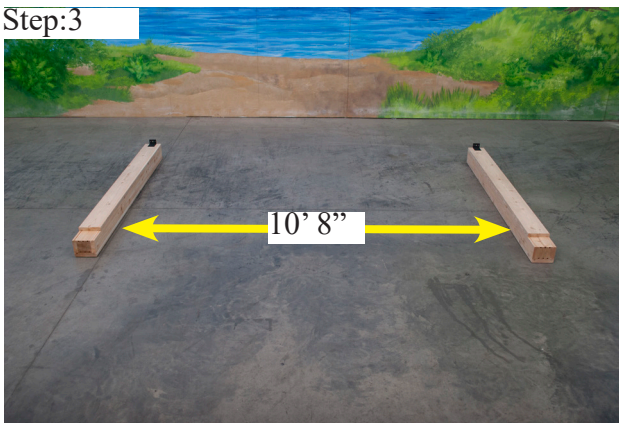
Locate the Post. Place an L Bracket on the bottom of the Post. Notice the top and bottom of the Post are different.

Step:2



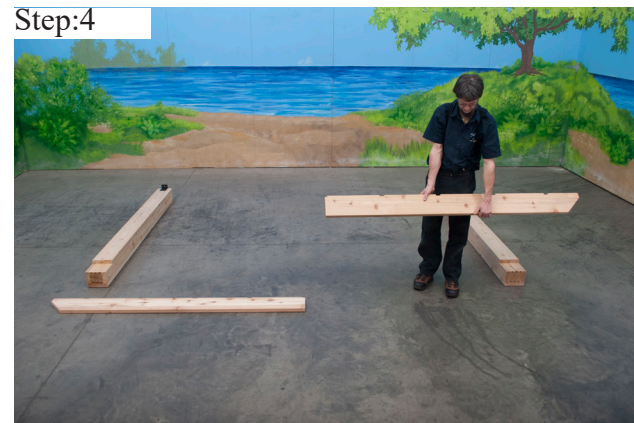
Make the L Bracket flush at the bottom and fasten to Post with 1 1/2" Black Head Screws through pre-drilled holes in the Bracket.

Step:3



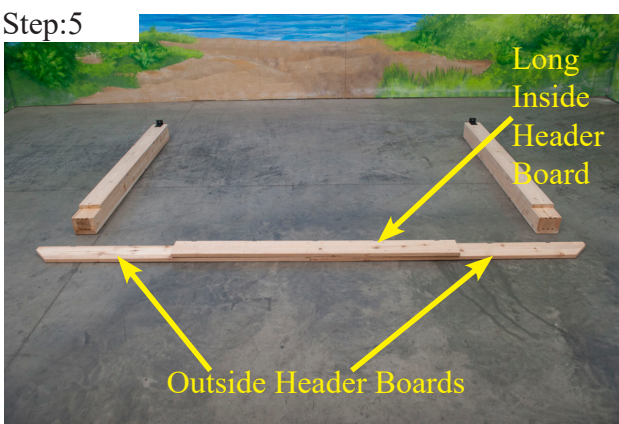
Using steps 1 and 2, Install the L Bracket on the second Post and lay on the floor Approximately 10' 8" apart.

Step:4



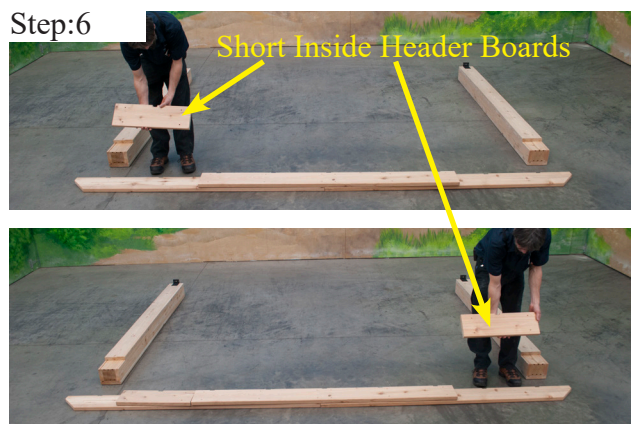
Locate the Outside Header Boards. Place two Boards down on the floor opposite of each other.

Step:5



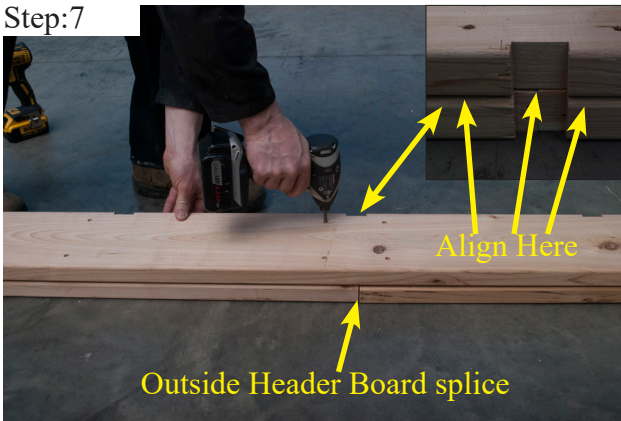
Locate the Long Inside Header Board. Place on top of the Outside Header Boards in the center.

Step:6



Locate the Short Inside Header Boards and place one on each end of the Long Inside Header Board.

Step:7



Starting at the center, make the Header Boards flush at the notches. Fasten the Inside Header Boards to the Outside Header Boards with 2 1/2" Screws through pre-drilled holes. Make sure the second Outside Header Board is tight against the first Outside Header Board at the splice.

Step:8



Keeping all the Header Boards and notches aligned, Fasten the Short Inside Header Boards to the Outside Header Boards with 2 1/2" Screws through pre-drilled holes.

Step:9



After all the Header Boards are fastened, Flip the Header Assembly around and place in the notches of the Post.

Step:10



Hold a triangle square at the corner of the Post and Header Assembly to make it 90°.

Step:11



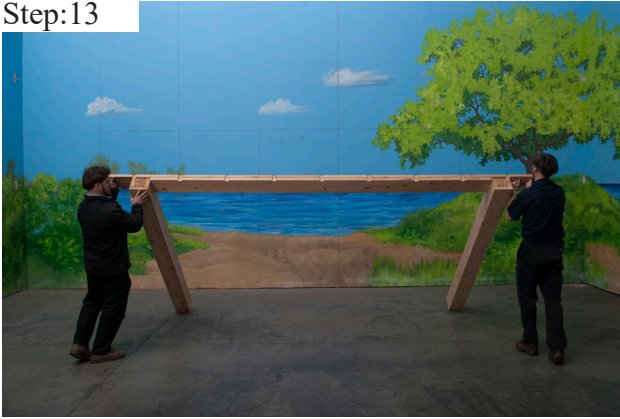
Keeping the Header Assembly at a 90° angle, Push in against the Post and against the notch in the Post. Fasten to Post with 3 1/2" Screws through all pre-drilled holes.

Step:12



Using steps 10 and 11, fasten the opposite end of the Header Assembly.

Step:13



Lift the Post and Header Assembly to it's upright Position.

Step:14



While holding the Post and Header Assembly upright, using your own 2x4's, create a temporary X-Brace.

Step:15



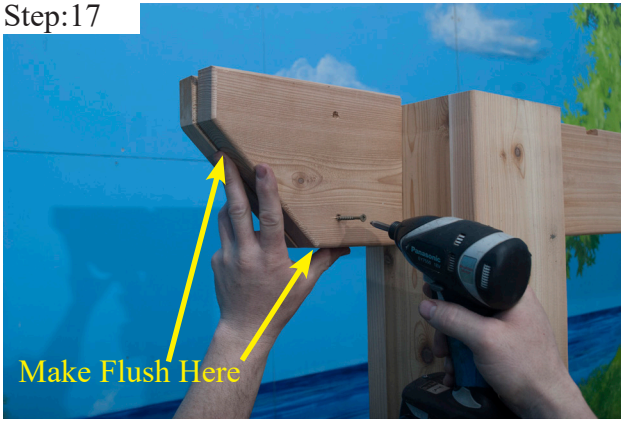
Using steps 1-14, Assemble the second Post and Header.

Step:16



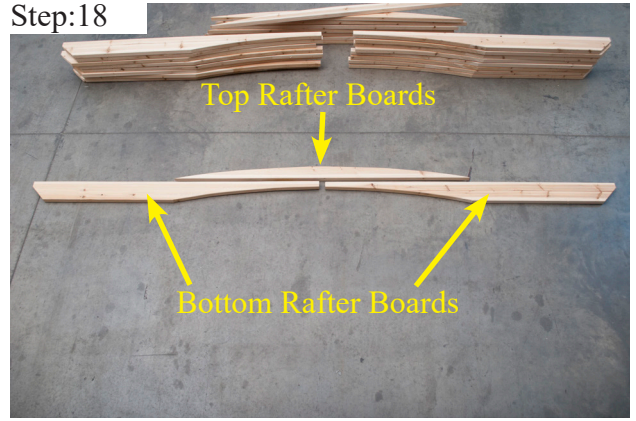
Measure the distance between the two Post and Header Assemblies at each end. Adjust the Post to make it approximately 10 feet from outside to outside of the Post.

Step:17



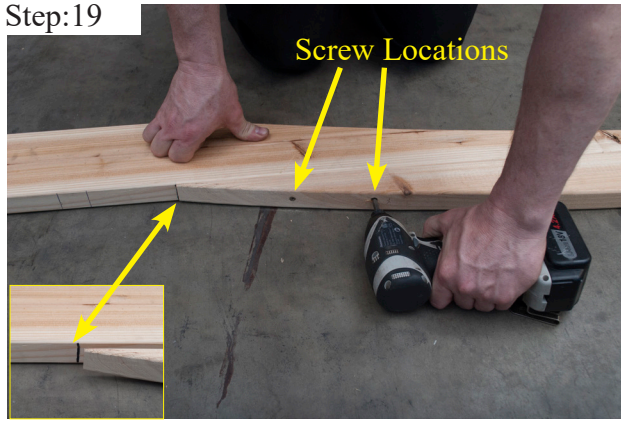
Locate the Outside of Post Header Boards. Make flush with the Outside Header Board and in against the Post. Fasten with 2 1/2" Screws through pre-drilled holes. Repeat this step at all four Post locations.

Step:18



Locate the Bottom Rafter Boards and the Top Rafter Boards. Lay out on the floor as shown.

Step:19



Hold the Top Rafter Board onto the Bottom Rafter Board at the mark. Fasten using 3" Screws through pre-drilled holes.

Step:20



Now fasten through the Bottom Rafter Board into the Top Rafter Board with 3" Screws through pre-drilled holes.

Step:21



Push the second Bottom Rafter Board against the first one. Using steps 19 and 20, Attach the opposite end.

Step:22



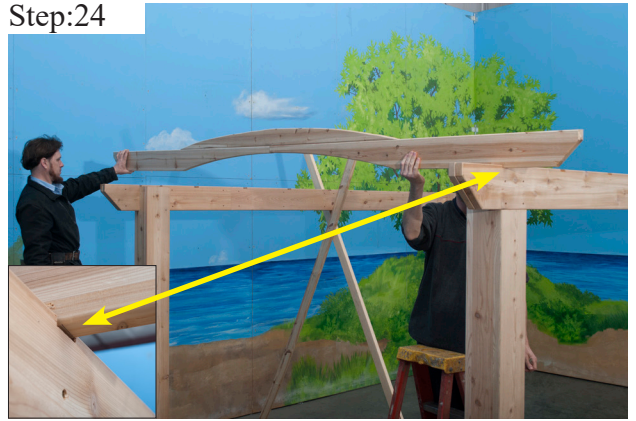
The completed Rafter Assembly should look like this. Using steps 19-21 assemble the remaining Rafters.

Step:23



With all the Rafters assembled, You are now ready to install them onto the Post and Header Assemblies.

Step:24



Lift the Rafter onto the Headers. Place into the notch on the Headers. Place the Rafter so the mark on the Rafter is flush with the Outside of the Header.

Step:25



Attach the Rafter to the Header, on both sides of the Rafter, with 3" Screws toed, through pre-drilled holes.

Step:26



Using step 24 and 25, attach the opposite end of the Rafter to the Header. (You may need to slightly adjust the Header Assembly)

Step:27



Using steps 24-26, install the Rafter on the opposite end.

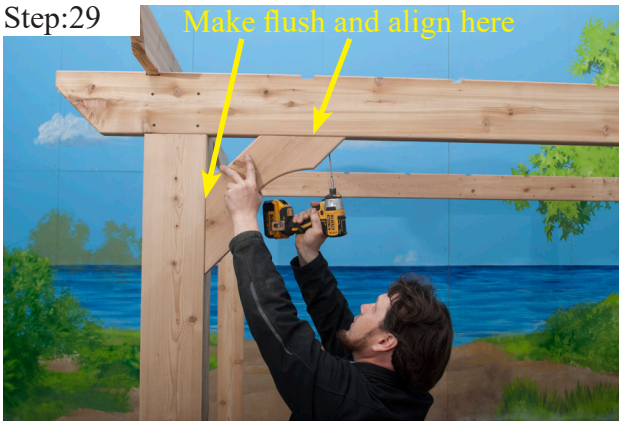
Step:28



You may now remove the Temporary X-Brace.



Step:29



Locate the Brace. Make flush with the Outside of the Header and Outside of the Post. Fasten with 3 1/2" Screws through pre-drilled holes.

Step:30



Install the next Brace at the Rafter location.

Step:31



Install all remaining Braces. (Two Braces at each Post Location.)

Step:32



Using steps 24-26, install all remaining Rafters.

Step:33



Locate the Stringers. Place on top of the rafters. Notice the direction of the Stringer placement.

Step:34



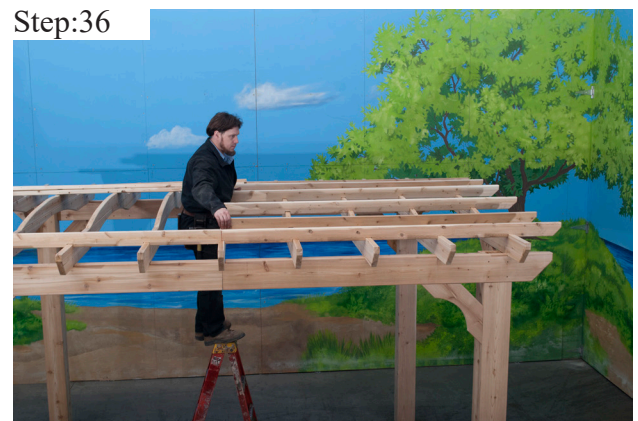
The rafter will be marked. Place the Stringer at the marked location and firmly place in the notch. Fasten with 3 1/2" Screws through pre-drilled holes.

Step:35



Using Step 33 and 34 install the Stringer on the opposite end.

Step:36



Using steps 33-35 , install all remaining stringers.

Step:37



All Stringers installed.

Step:38



Measure each way from Post to Post. Adjust the Post to create equal distance both ways.

Step:39



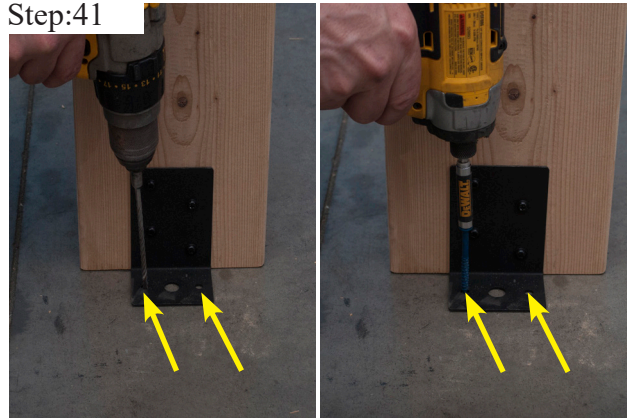
Keeping the Measurements from previous step, level each post both ways. Adjust the Bottom of the Post if necessary.

Step:40



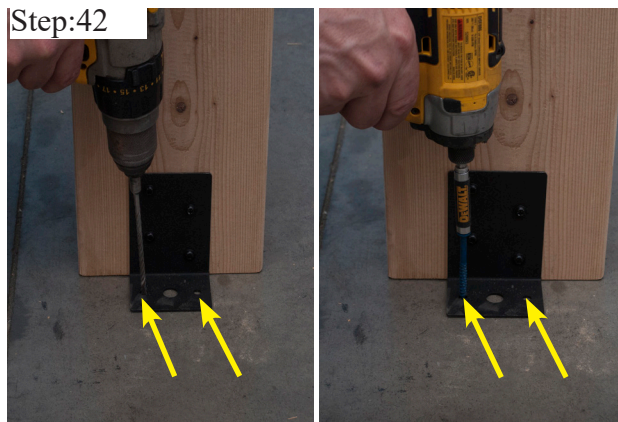
Install a second L Bracket on the Post opposite of the previously installed Bracket. Fasten to Post with 1 1/2" Black Head Screws through pre-drilled holes in the Bracket. Repeat this step at all four Post. You need a total of Two L Bracket per Post.

Step:41



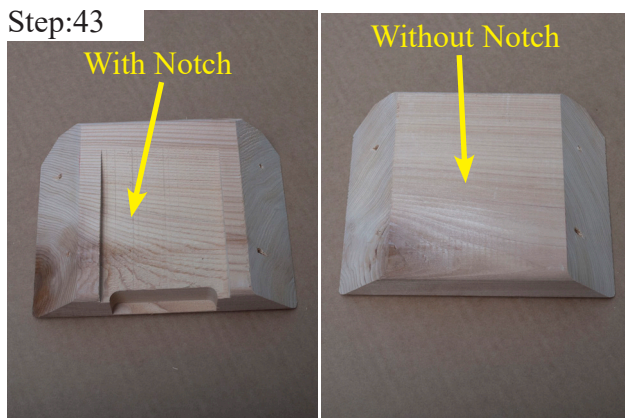
If installing on concrete, pre-drill a 3/16" hole into the concrete at two locations through the L Bracket. Then fasten with 2 1/2" Tapcon Screws. Repeat this step on the second L Bracket. (You have the option to use your own anchor bolts through the large center hole.)

Step:42



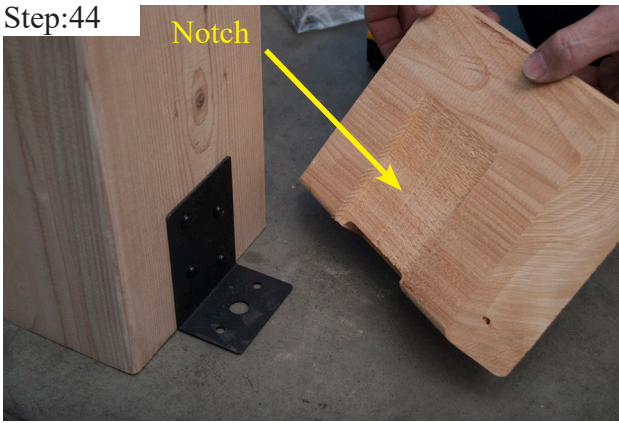
If installing on wood deck, pre-drill a 3/16" hole into the deck at two locations through the L Bracket. Then fasten with 2 1/2" T-Lok Screws. Repeat this step on the second L Bracket. (You have the option to use your own anchor bolts through the large center hole.)

Step:43



Locate the Post Skirt Pieces. There is some with Notches and some without Notches.

Step:44



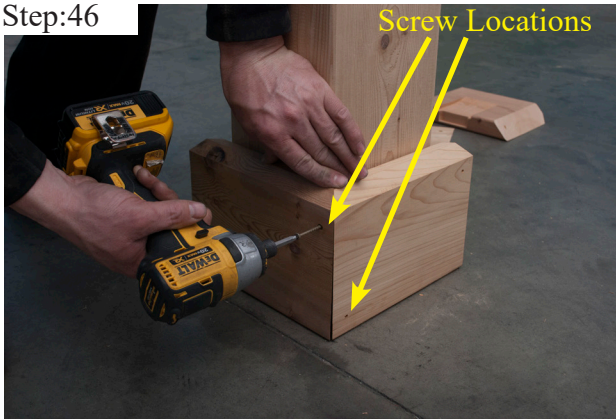
Place the Post Skirt Piece With Notch against the post on the side with the L Bracket attached.

Step:45



Work your way around the Post. Place the ones with notches at the two L Bracket Locations, and the ones without notches at the other two sides.

Step:46



Fasten the Post Skirt Pieces together with 2" Screws through pre-drilled holes.

Step:47



Continue all the way around the Post. Using steps 44-47, install the Post Skirt Pieces at each Post Location.