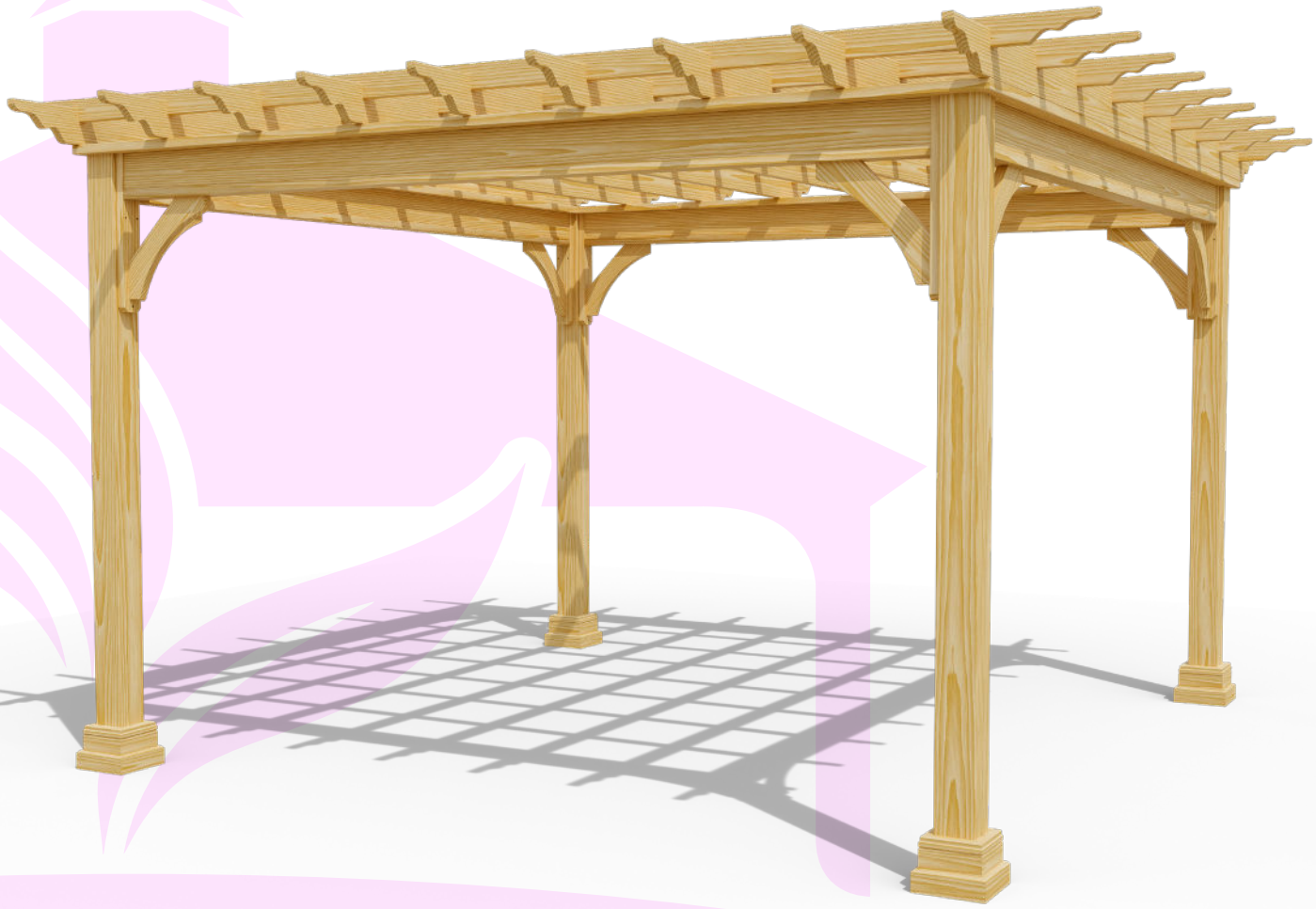


Traditional

Wood Pergola Assembly Manual

GAZEBO.COM

CONTENTS

The Traditional Wood Pergola

Our Traditional Wood Pergolas include unstained pressure-treated Southern Yellow Pine, solid laminated 5x5 posts with decorative post skirts, solid 2x6 joists span the shorter side & 2x4 purlins span the longer side, both with scalloped ends and notched intersections to resist warping. We add heavy-duty double 2x6 headers with braces for rigidity, and anchor brackets for concrete pads and wood decks.

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 size of the structure shown in this manual may not match your purchased product. The installation process, however, will remain the same across all sizes.

Tools & Accessories

TOOLS REQUIRED

- Drill
- Impact Driver
- Tape Measure
- Hammer
- Step Ladder
- Rubber Mallet
- Hammer Drill
- ½" Concrete Drill Bit
- Heavy Duty Impact with ¾" Socket
- (5) 8' 2x4's for bracing header assemblies

TOOLS INCLUDED

- #2 Square Drive Bit
- Touch Up Stain

Warning

The installer is responsible for following all local guidelines and regulations. Refer to your local township for more information on correct anchoring and installation.

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.

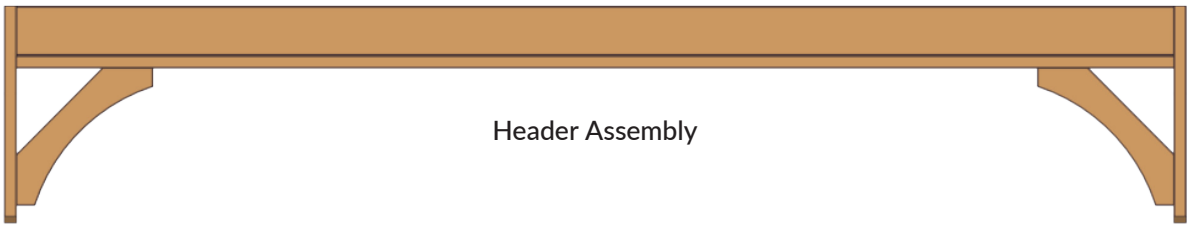
PARTS & HARDWARE

PARTS LIST

2x6 Rafter

2x4 Stringer

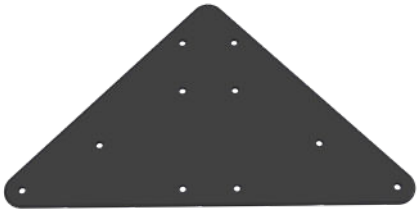
Top Plate



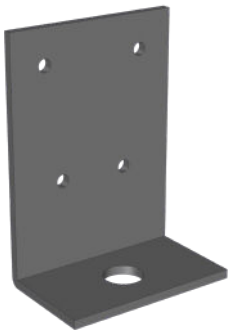
Header Assembly

5x5 Post

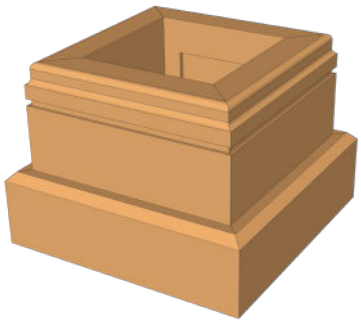
PARTS & BRACKETS



Triangle Bracket



Post Anchor Bracket



Post Skirt

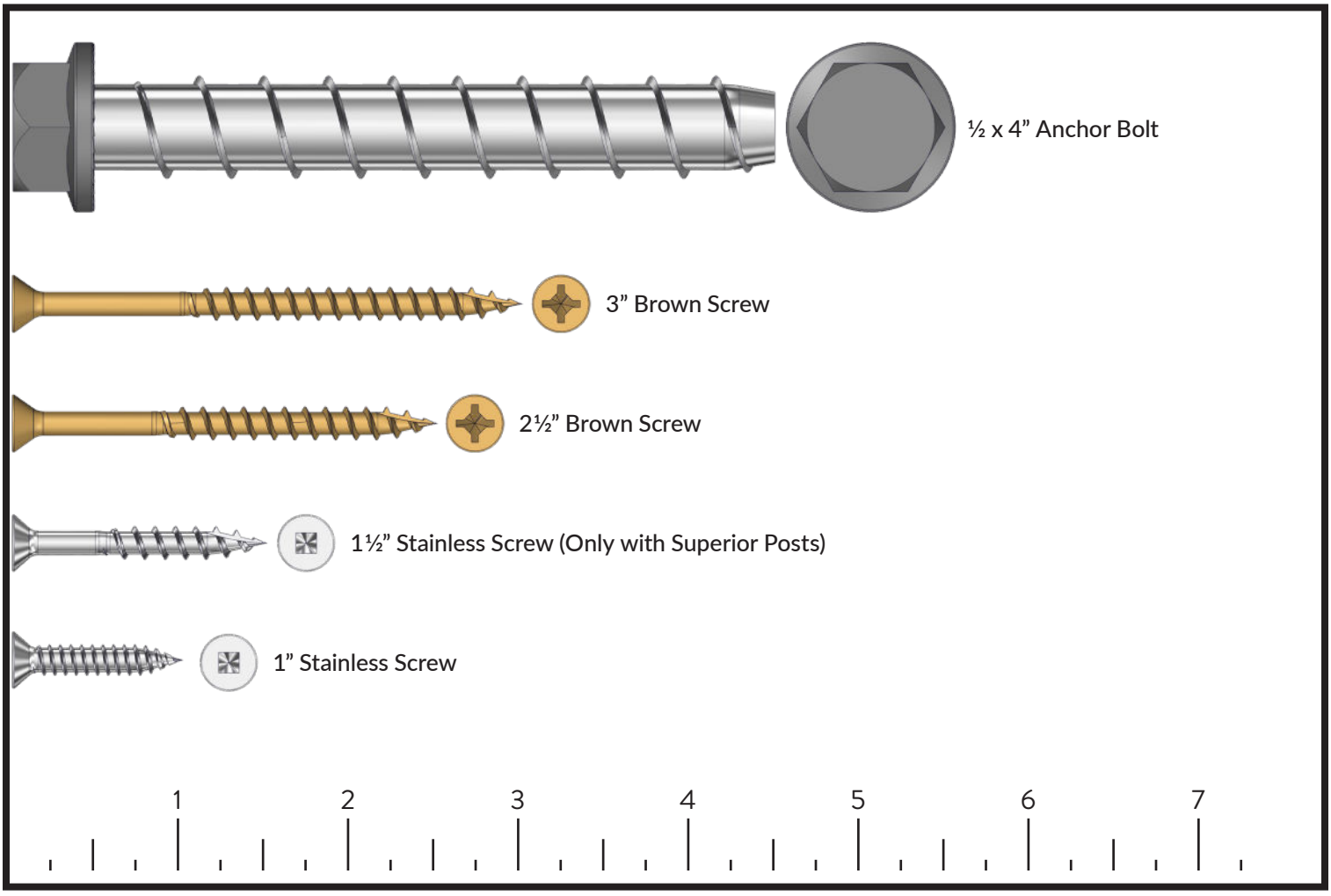
MISC

Touch up Stain
for structure

Country Lane Name Plaque
w/ Serial #

Moisture Barrier Patch

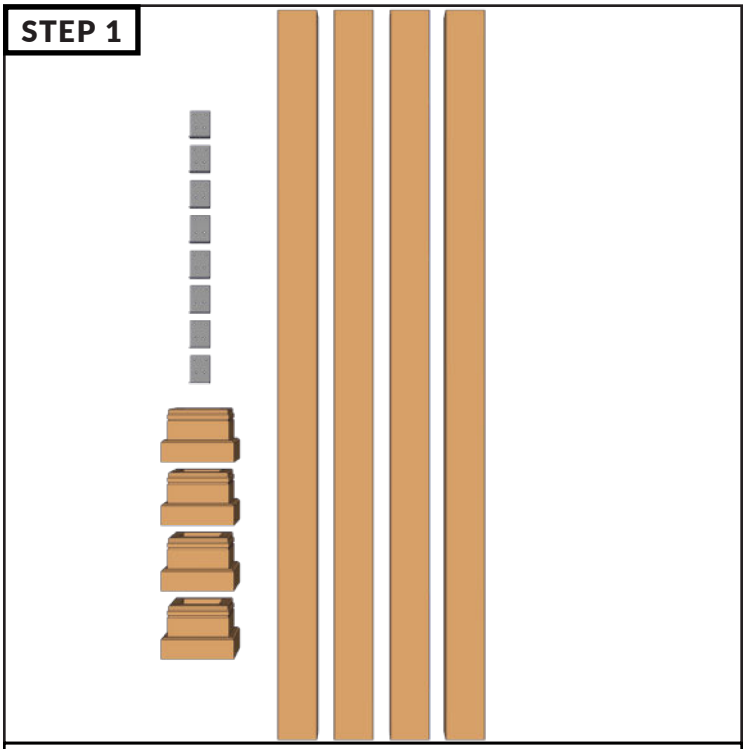
HARDWARE



POST ASSEMBLY

See page 11 for Superior Post Assembly

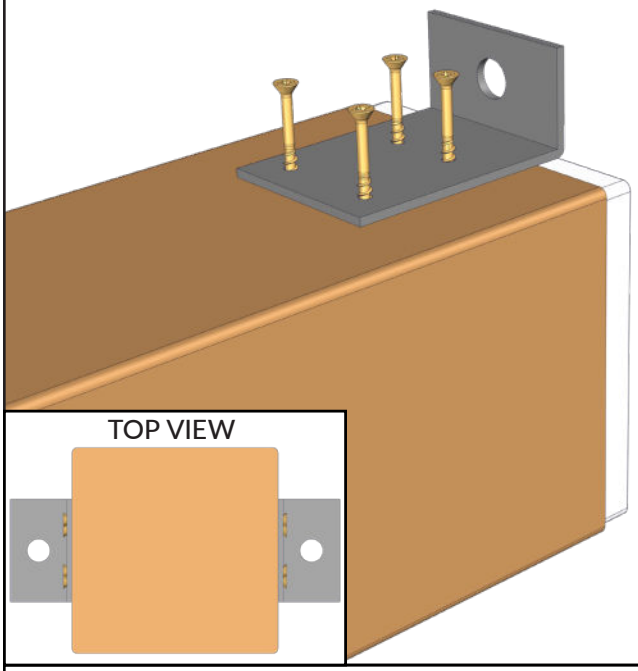
STEP 1



Locate the posts, post skirts and the post anchor brackets to begin the assembly.

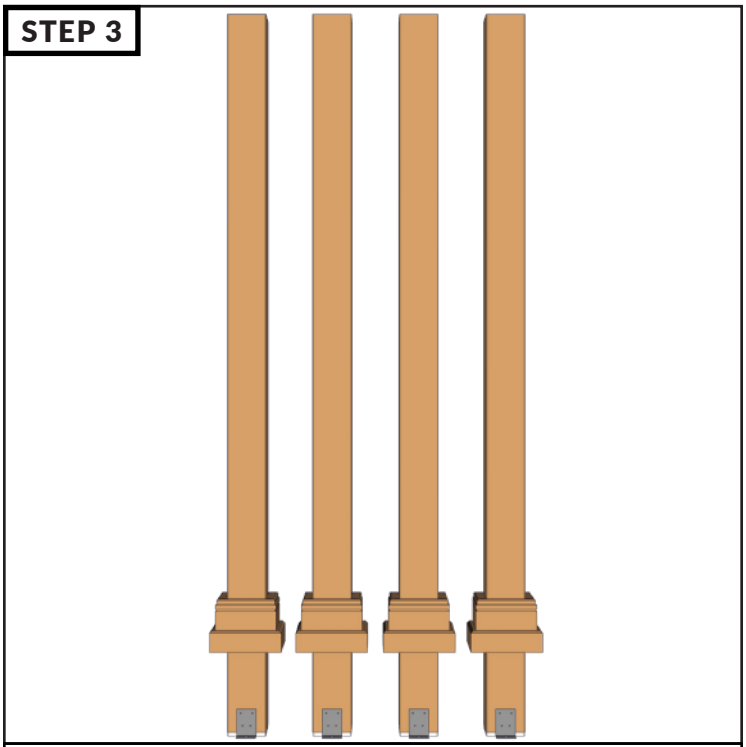
Notice how each post has a post spacer attached to the bottom.

STEP 2



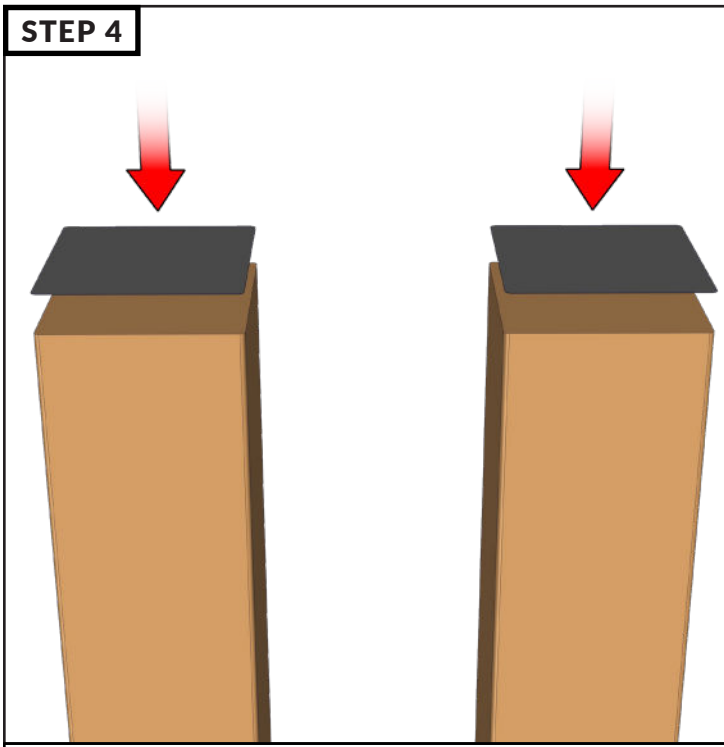
Place two post anchor brackets on each post on opposing sides as shown in the top view.
Ensure the bottom of the anchor brackets are flush with the bottom of the post spacers then fasten them with four 2½" brown screws per bracket.

STEP 3



Place a post skirt over each post.
The post skirts have cutouts on the inside to fit over the anchor brackets, make sure these are aligned correctly before proceeding.

STEP 4



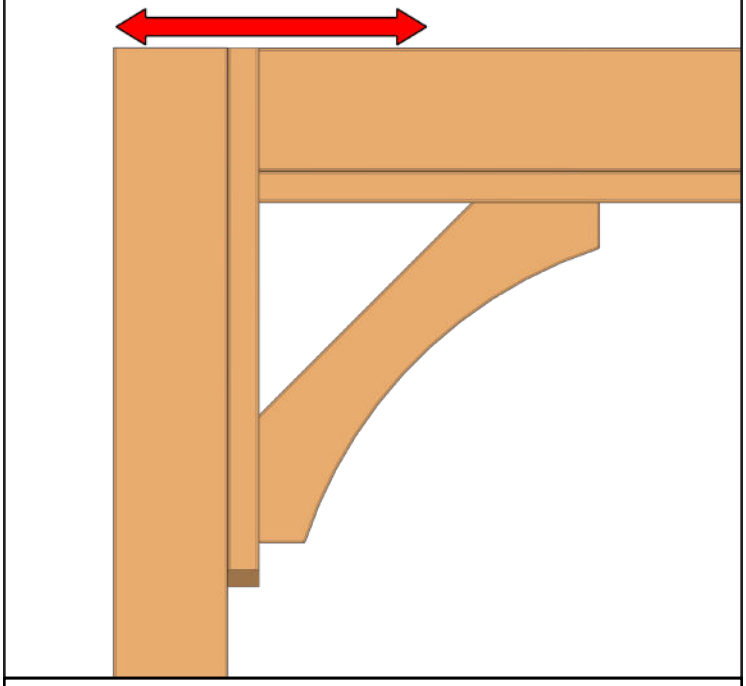
Remove the protective tape from the moisture barrier patches and place one on top of each post to protect the wood.

POST & HEADER ASSEMBLY

STEP 5

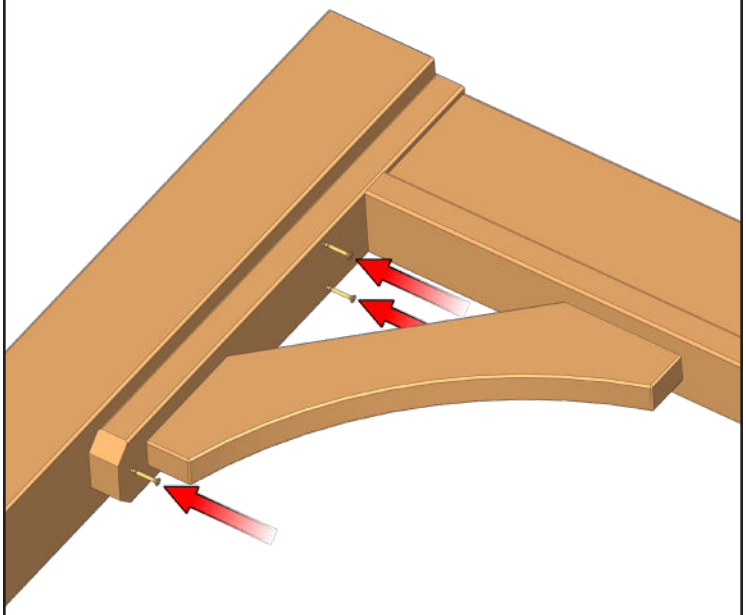
Place two of the assembled posts on the ground then place one of the header assemblies between them.

STEP 6



Center the header assembly on the post and align the top.

STEP 7



Fasten the header to the posts using 3” brown screws through all the pre-drilled holes.

STEP 8

After both ends of the header are properly secured, set the post and header assembly upright.

Optional: Build a 2x4 A-frame to temporarily support the post and header assembly.

TOP PLATE ASSEMBLY

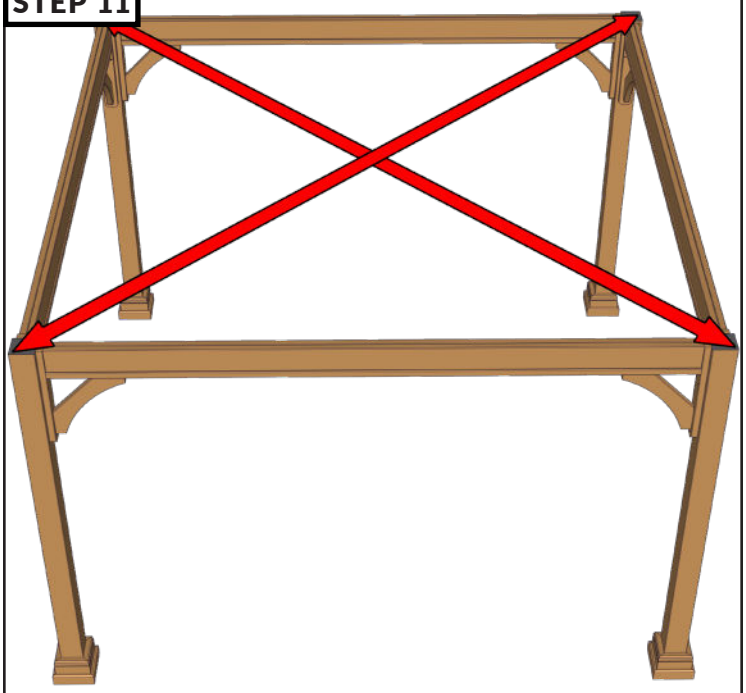
STEP 9

Repeat the previous steps to build a second post and header assembly.
Measure the length of the remaining headers to determine the spacing between the two.

STEP 10

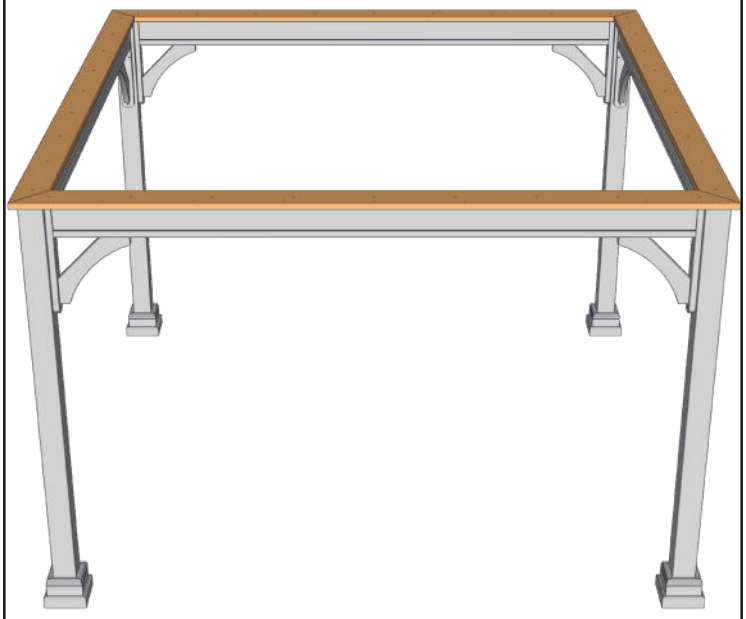
Place the remaining headers in position and fasten them using the same methods from the previous steps.

STEP 11



Measure across the corners both ways and adjust as needed to square the frame.

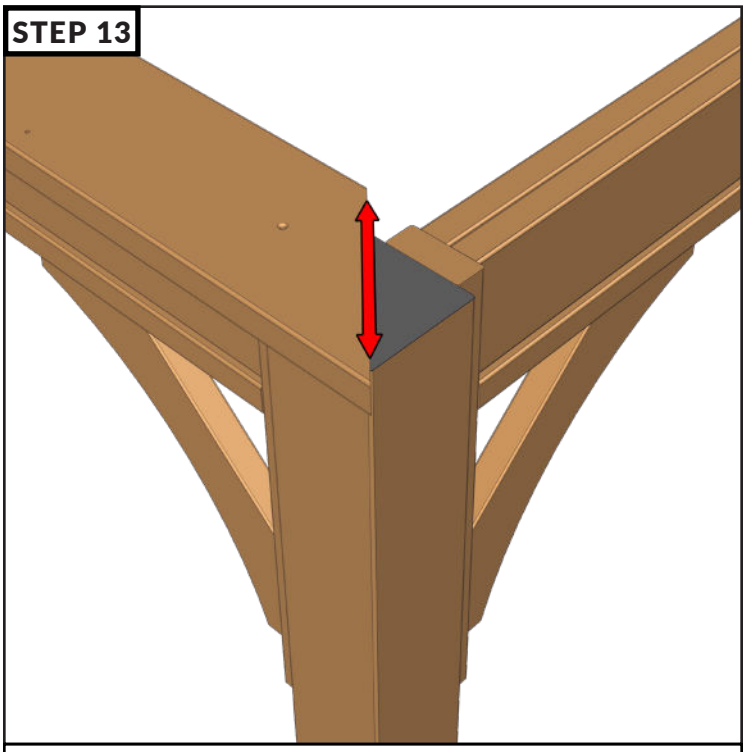
STEP 12



Locate the top plates and place them on the structure.

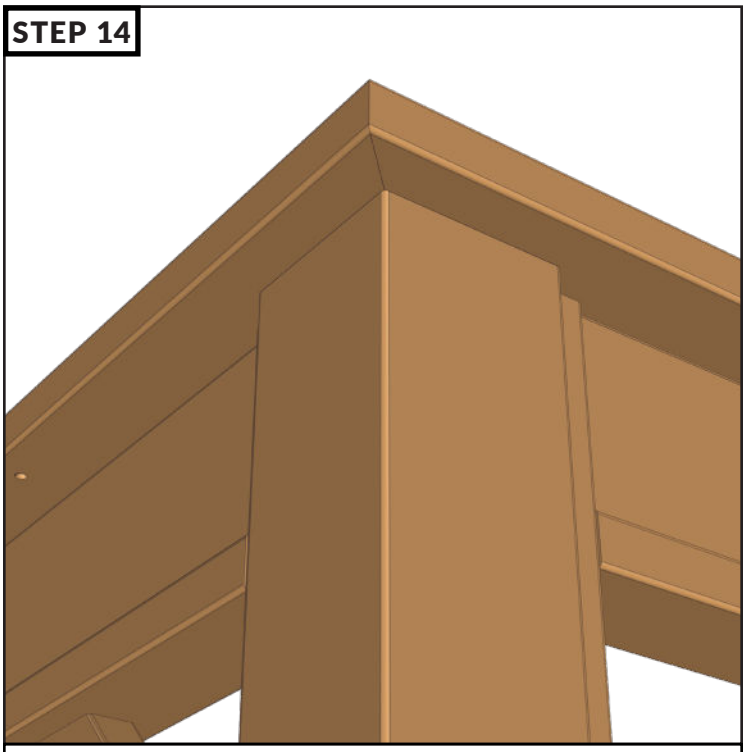
TOP PLATE ASSEMBLY

STEP 13



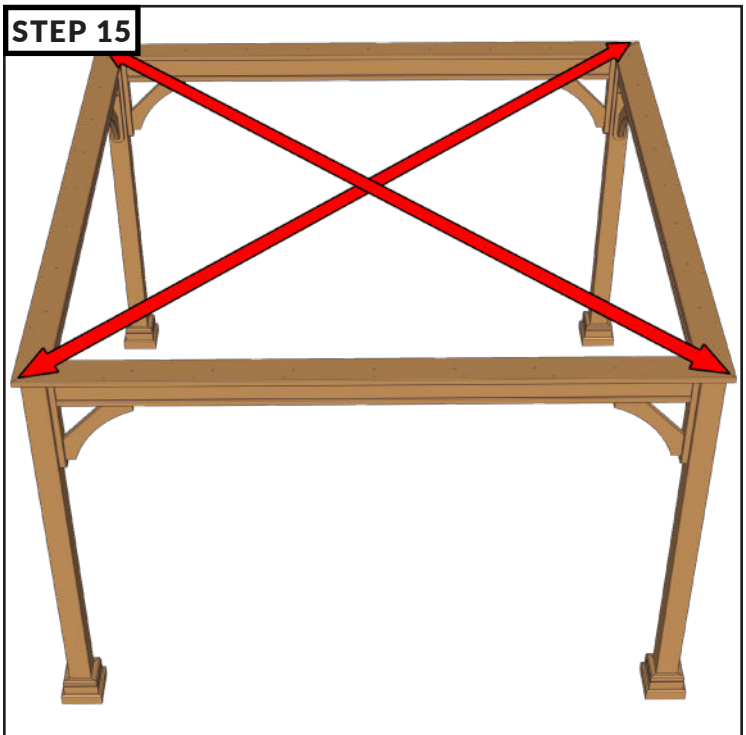
Make sure the end of each top plate is centered diagonally on the corner posts.

STEP 14



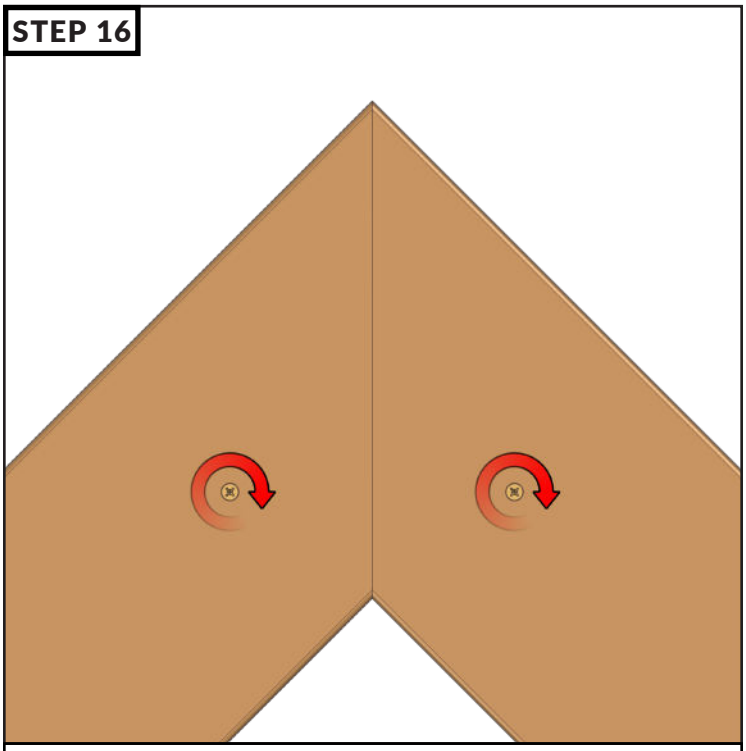
Each top plate should have the same amount of overhang on each side.

STEP 15



Measure across the corners of the top plates both ways and adjust as needed to square them.

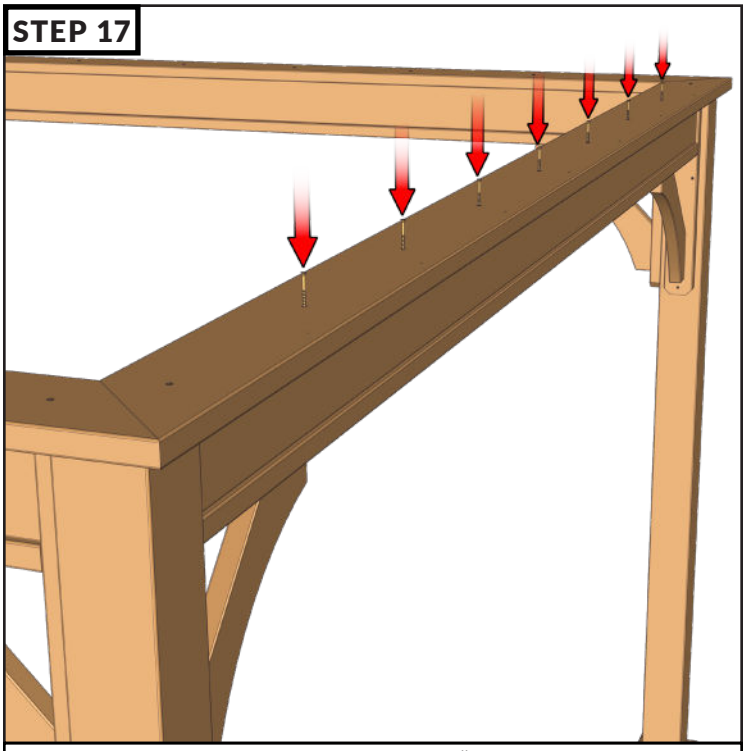
STEP 16



Make sure the top plate corners line up correctly then fasten each end with a 3” brown screw.
Note: These are not pre-drilled.

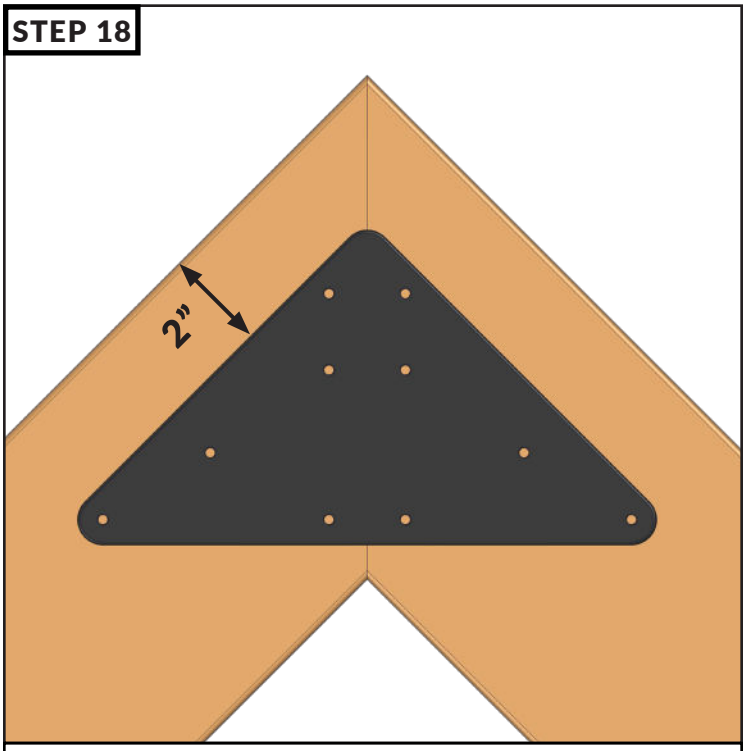
TOP PLATE ASSEMBLY

STEP 17



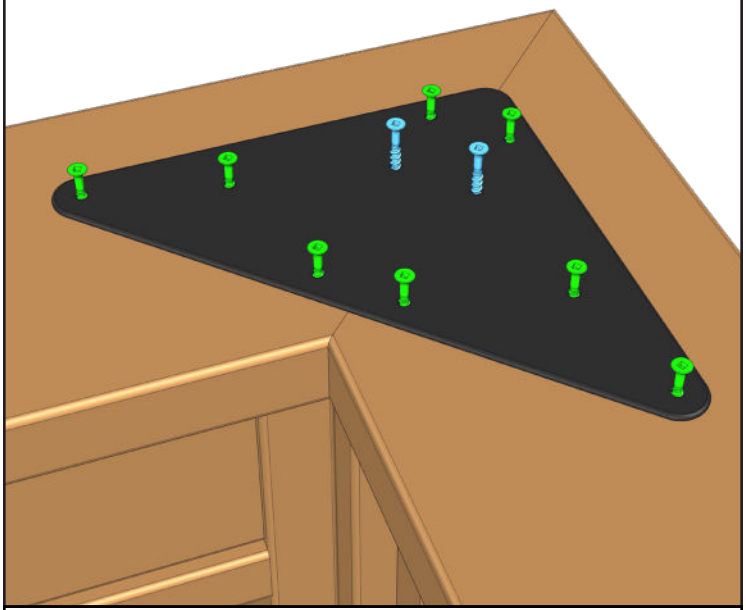
Finish fastening the top plates using 3” brown screws approximately every 16”.

STEP 18



Place a triangle bracket on the top plates at each corner of the structure.
Keep the brackets in 2” from the edge of the top plate.

STEP 19



Fasten the triangle bracket using eight 1” stainless screws.
The two center holes get two 3” brown screws.

STEP 20

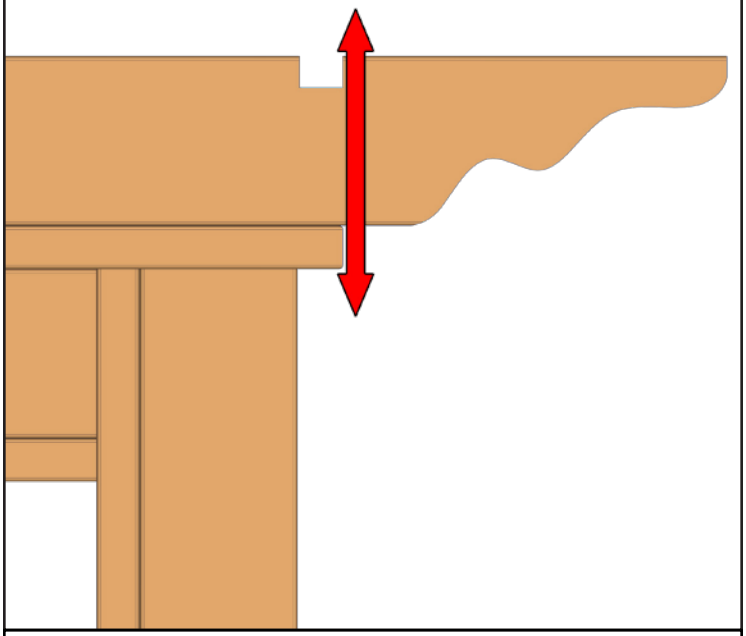
Your pergola should match the illustration at this point.

RAFTER ASSEMBLY

STEP 21

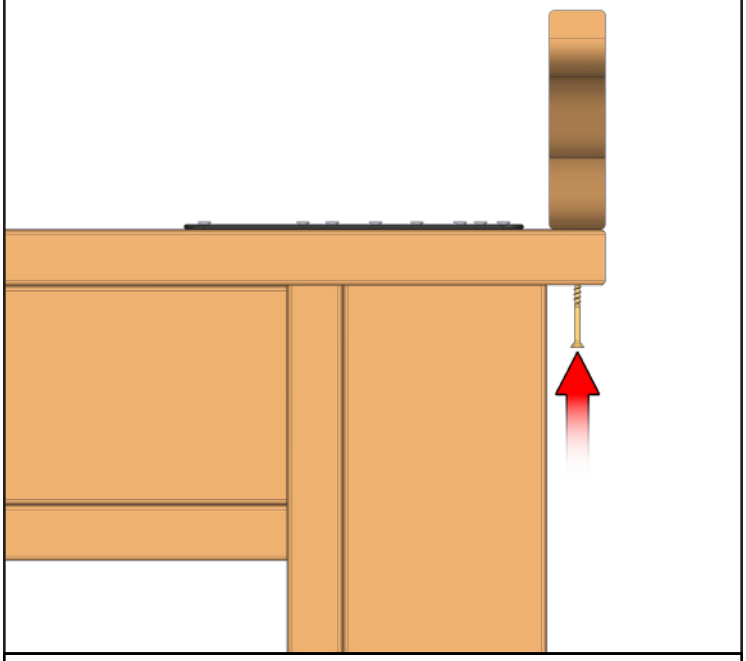
Locate a 2x6 rafter and place it on one of the shortest top plates.

STEP 22



The outside face of the first stringer notch should line up with the outside face of the 2x8 top plate.

STEP 23



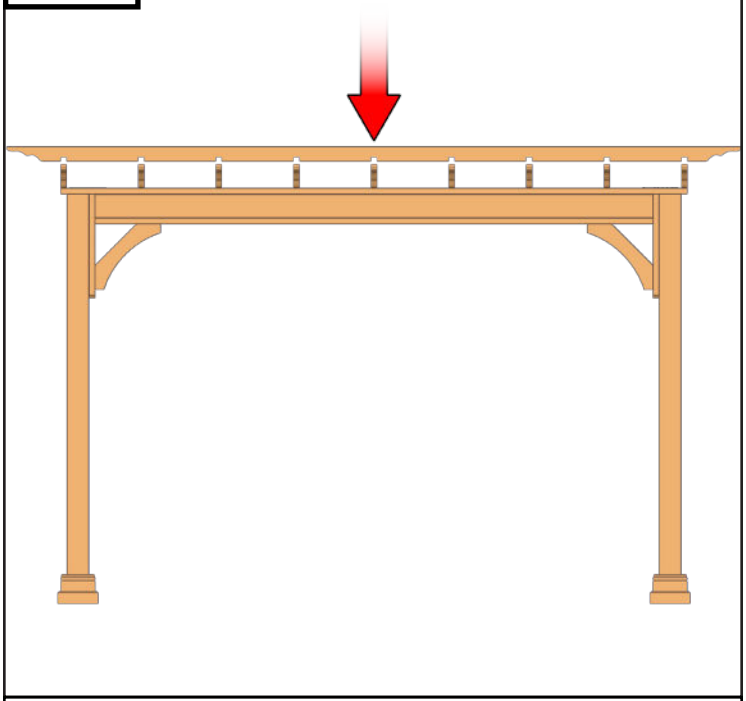
Ensure that the outside face of the rafter is flush with the top plate then fasten the rafter using 3” brown screws through all the pre-drilled holes in the top plate.

STEP 24

Place the remaining rafters on top of the pergola but do not fasten them yet.

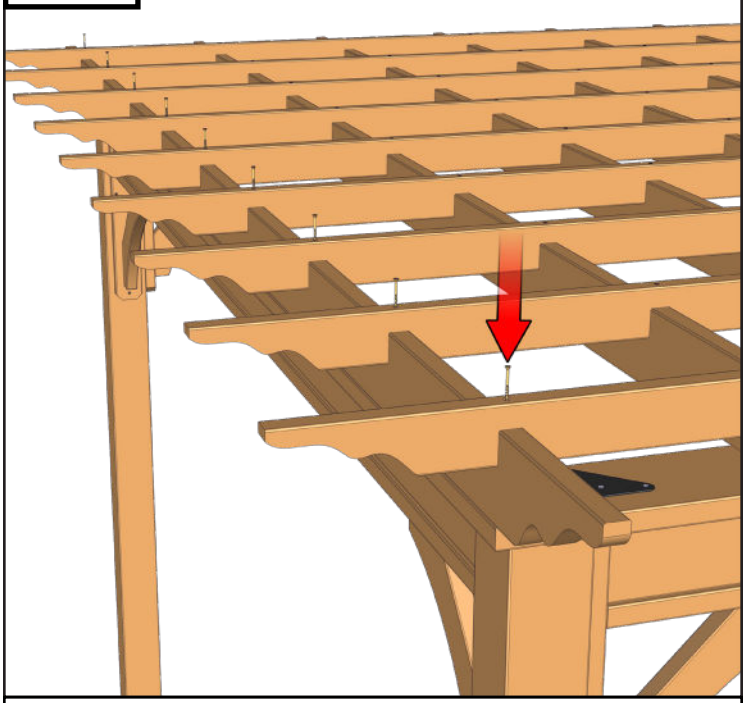
STRINGER ASSEMBLY

STEP 25



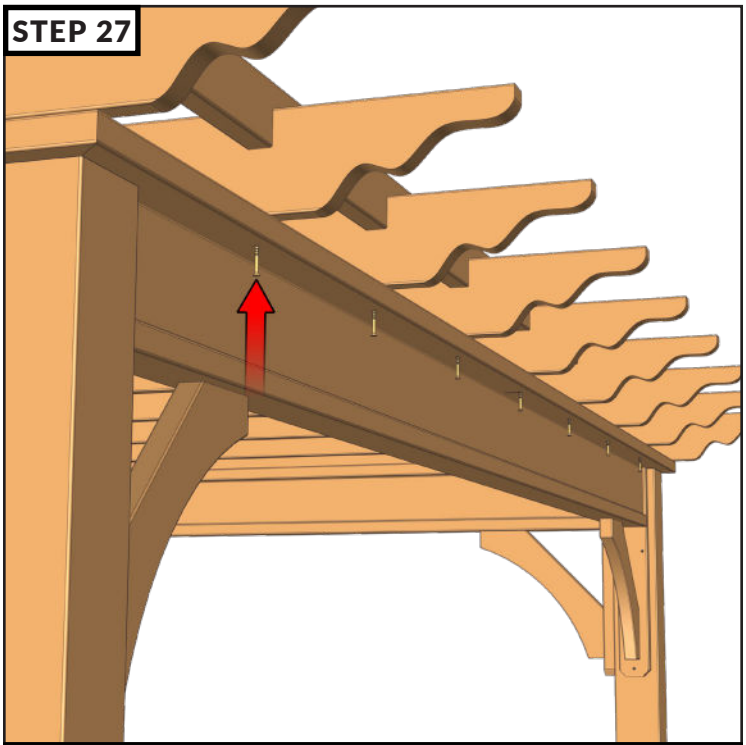
Place the 2x4 stringers on top of the rafters and align the notches so they fit together properly.

STEP 26



Fasten the 2x4 stringers to the 2x6 rafters using 3” brown screws down through the pre-drilled holes.

STEP 27



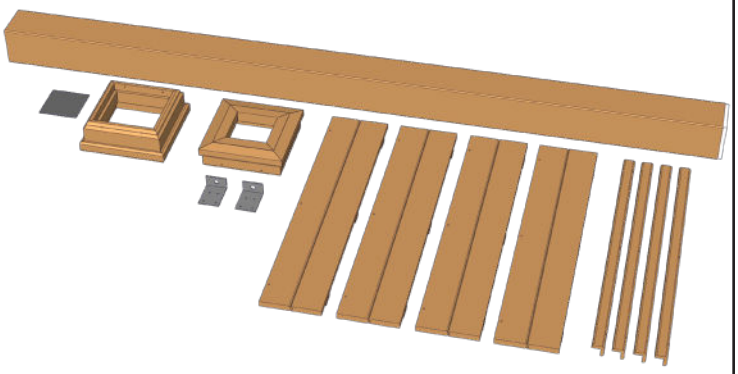
Fasten the rest of the rafters to the top plate once the 2x4 stringers are fastened and aligned correctly.
Use 3” brown screws up through the pre-drilled holes in the top plate.

STEP 28

Your pergola should match the illustration at this point.

SUPERIOR POST ASSEMBLY

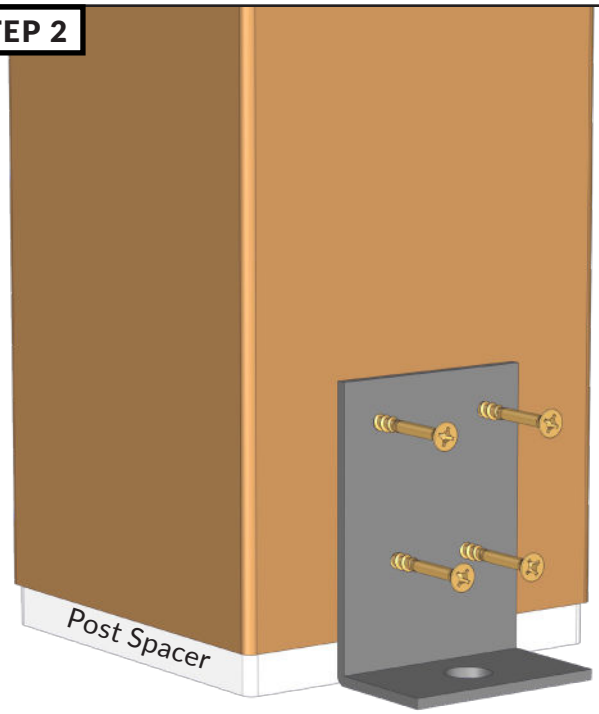
STEP 1



Locate the superior post parts.
Each post assembly should have:

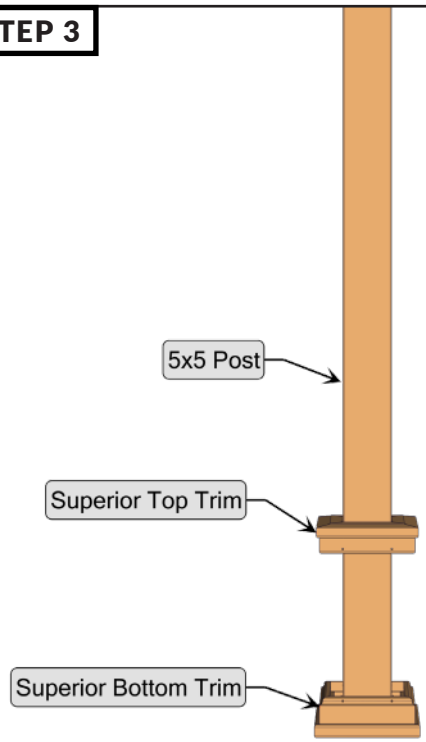
- A top and bottom trim piece.
- 4 panels.
- 4 corner trim pieces.
- 2 anchor brackets.

STEP 2



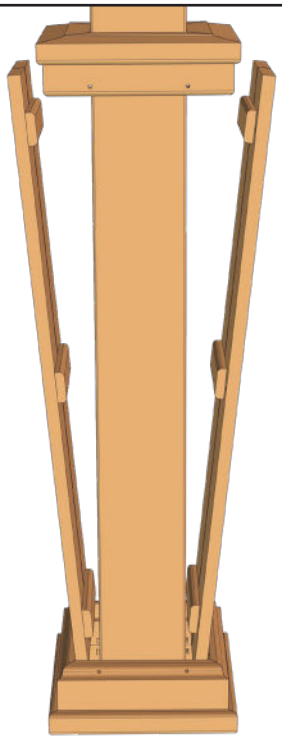
Place two post anchor brackets on each post on opposing sides.
Ensure the bottom of the anchor brackets are flush with the bottom of the post spacers then fasten them with four 2½" brown screws per bracket.

STEP 3



Place the top and bottom trim pieces over the post making sure they are aligned correctly.

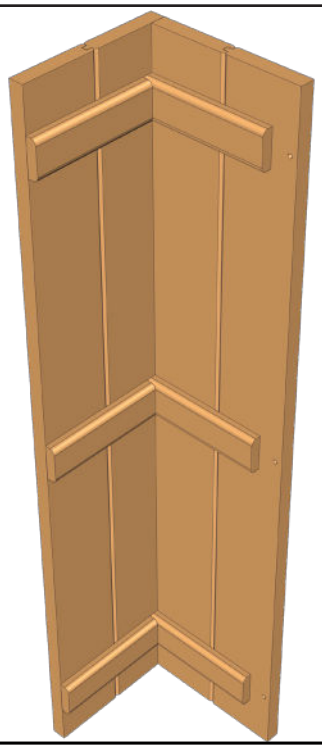
STEP 4



Begin placing the post panels in position.

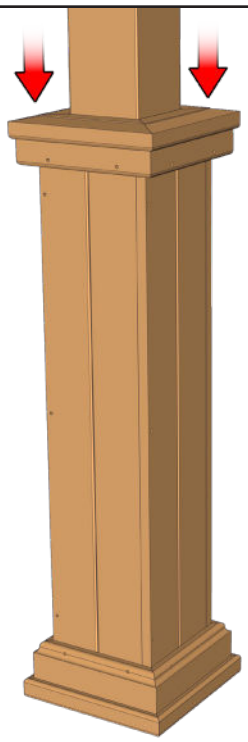
SUPERIOR POST ASSEMBLY

STEP 5



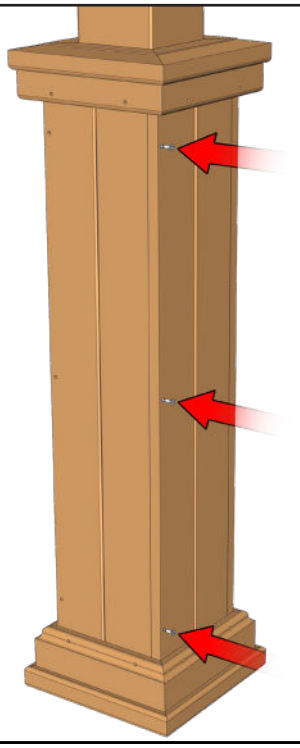
Make sure the corner panels are overlapping correctly as shown in the illustration.

STEP 6



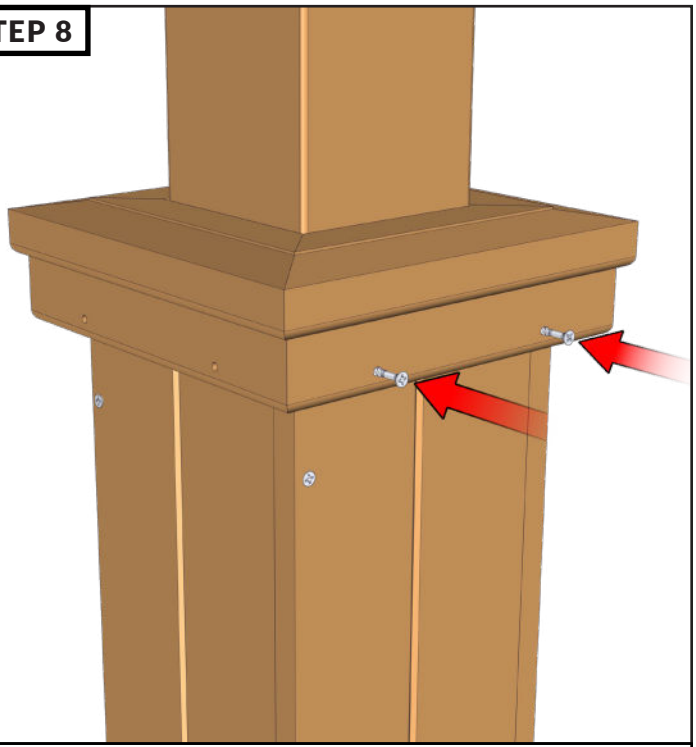
Once the panels are in position, slide the top trim piece down to hold them in place.

STEP 7



Fasten the panels using three 1½" stainless screws per panel through the pre-drilled holes.

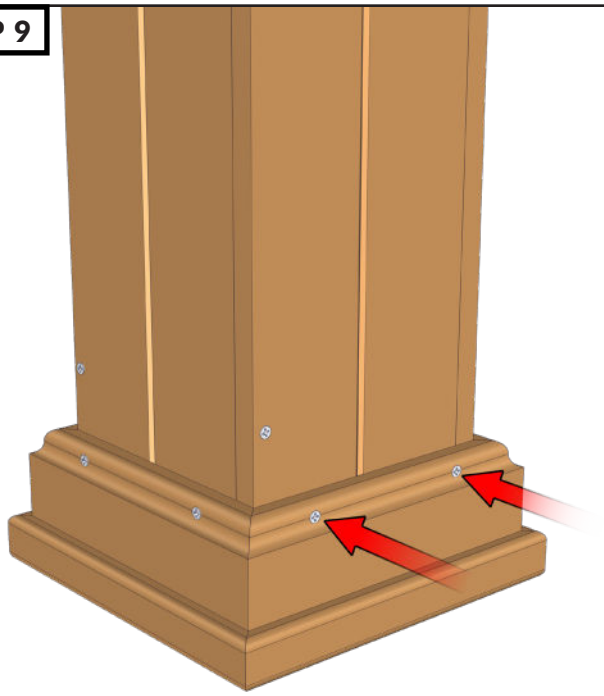
STEP 8



Fasten the top trim to the post panels using two 1½" stainless screws per side.

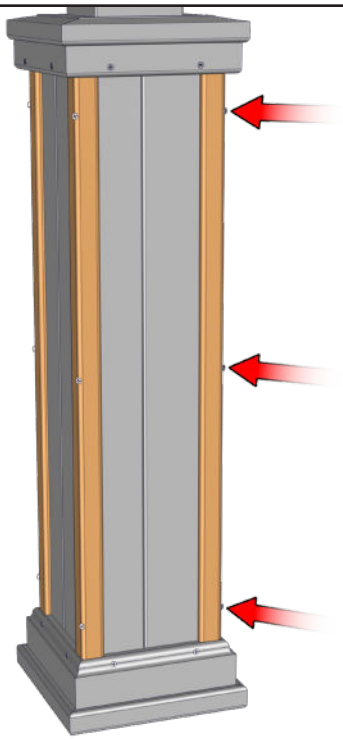
SUPERIOR POST ASSEMBLY

STEP 9



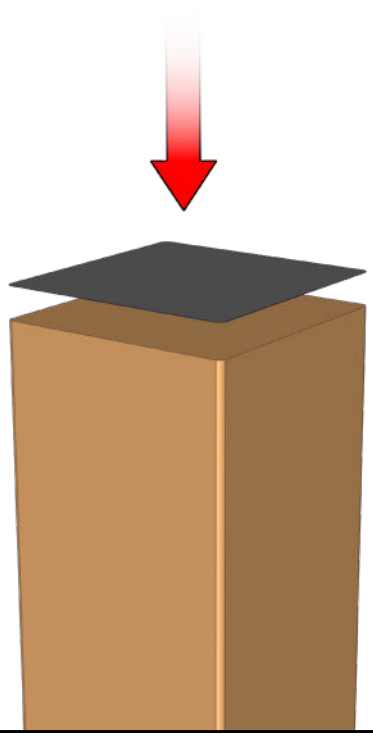
Fasten the bottom trim to the post panels using two 1½" stainless screws per side.

STEP 10



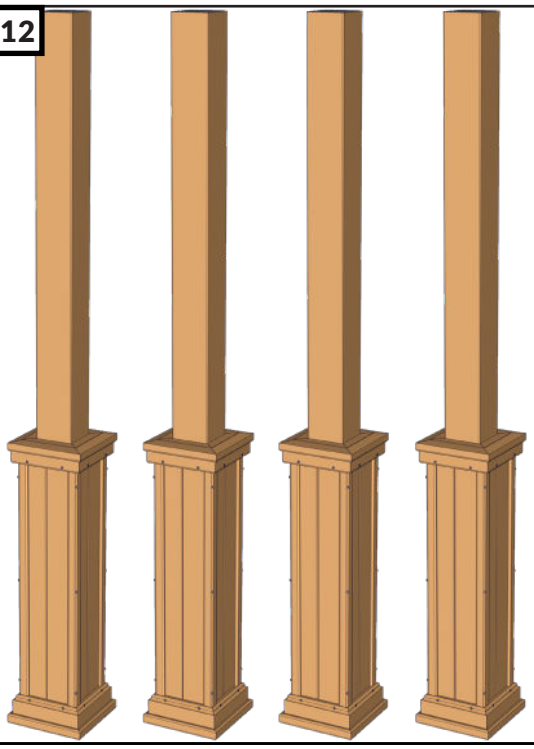
Place the four corner trim pieces in position and fasten them using three 1½" stainless screws per piece.

STEP 11



Remove the protective tape from the moisture barrier patches and place one on top of each post to protect the wood.

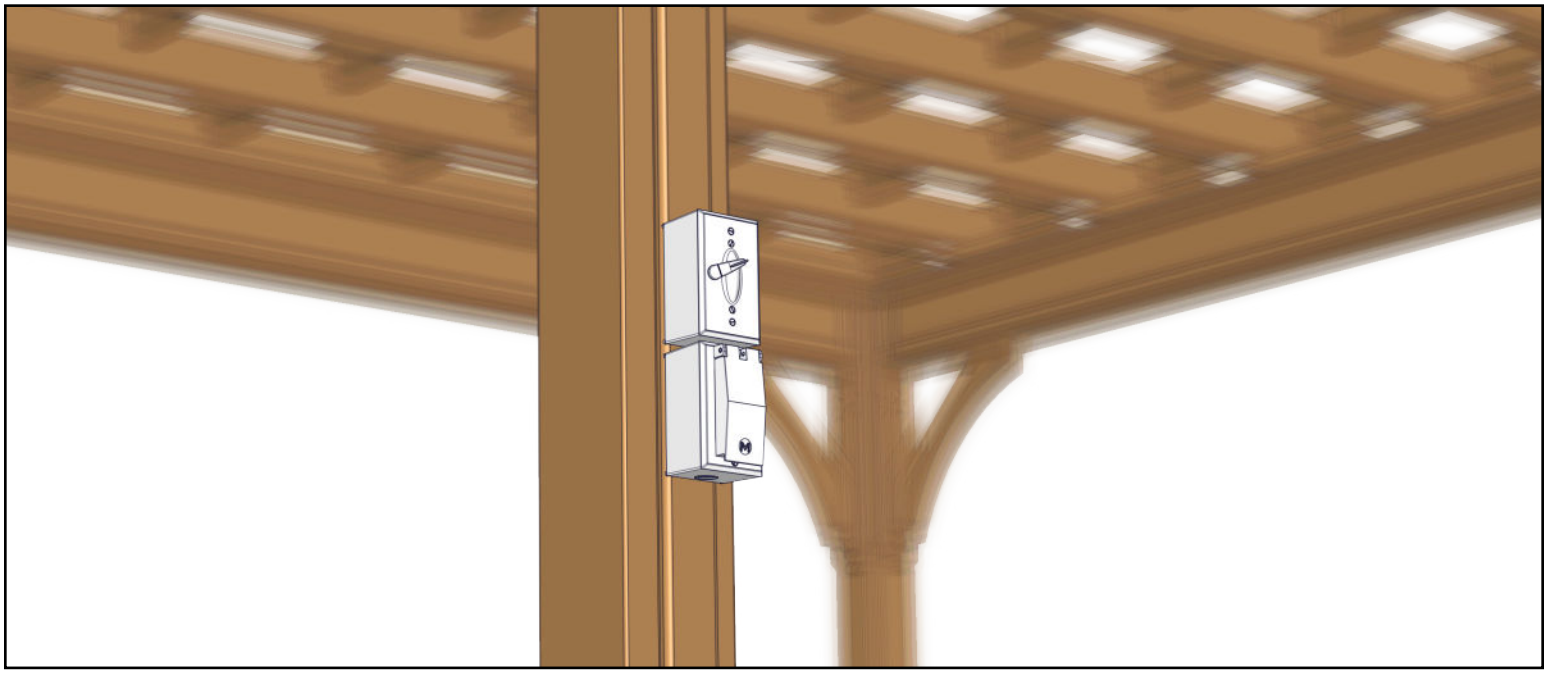
STEP 12



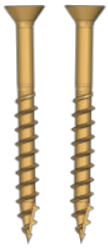
Repeat the previous steps to complete all of the post assemblies.

ELECTRICAL INSTRUCTIONS

Follow these instructions if your structure has the electrical package option.



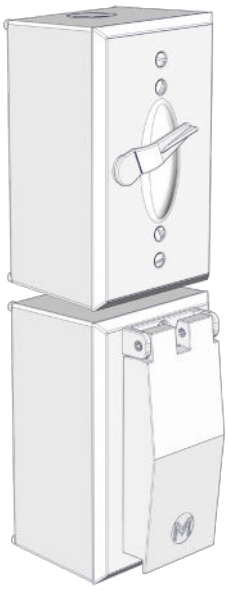
PARTS



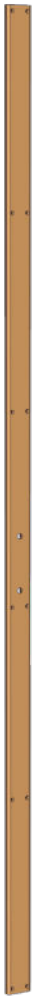
2” Brown Screws

1” Stainless Screws

Electrical Box & Waterproof Cover



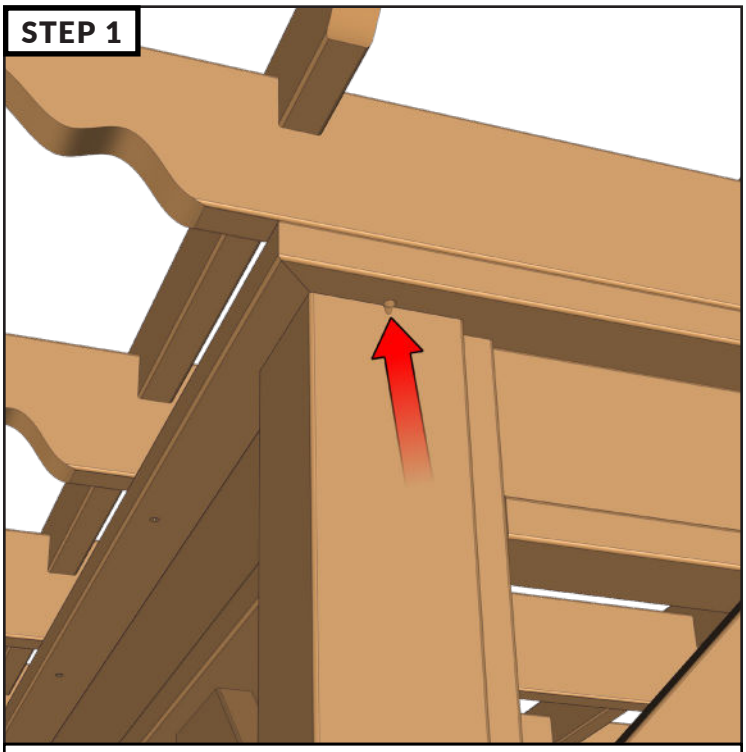
Switch & Outlet Boxes



Wire Cover Strip

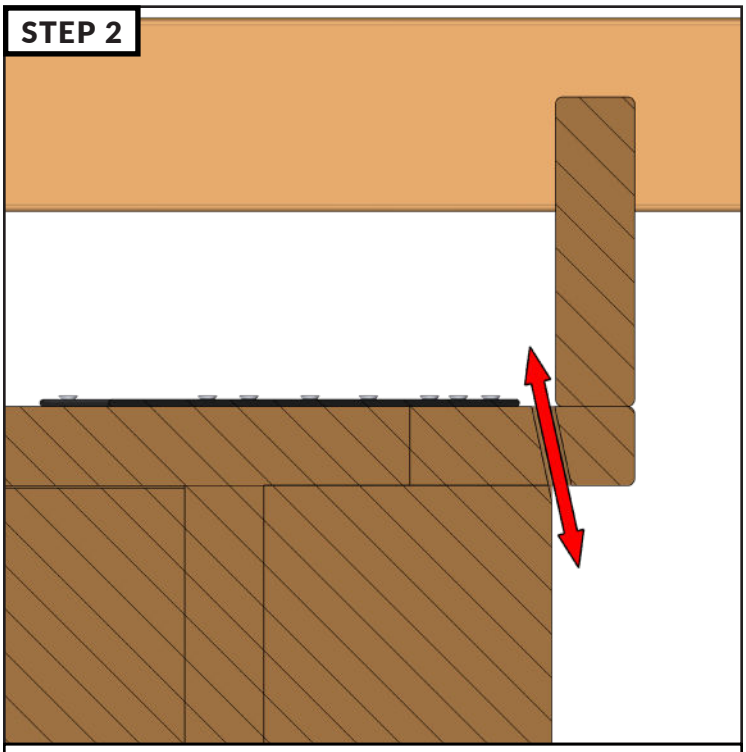
ELECTRICAL INSTRUCTIONS

STEP 1



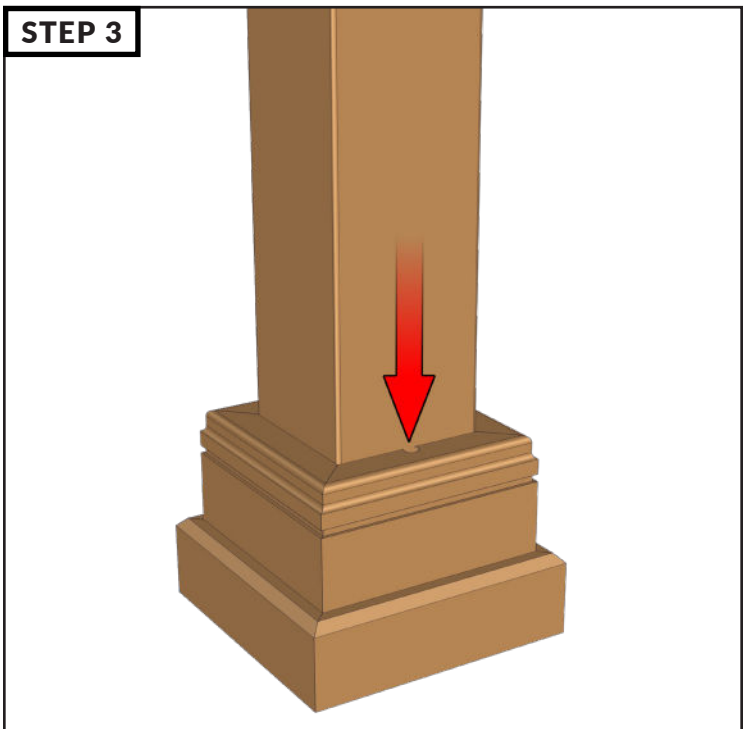
Decide which post you want the electrical boxes installed on, then drill a ½" hole centered on the post and up through the top plate.

STEP 2



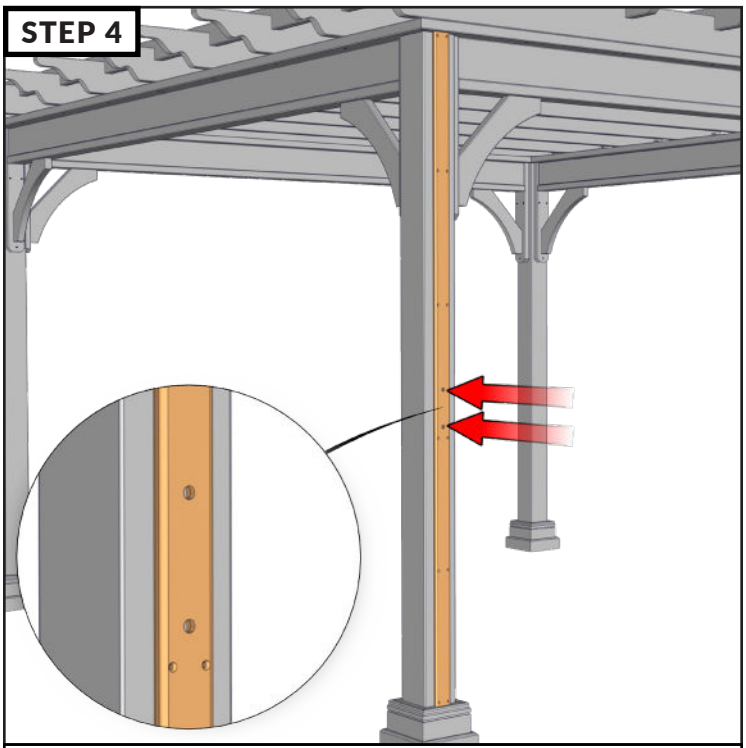
The hole should be as close to the post as possible and angled to fit between the outside rafter and triangle bracket.

STEP 3



Drill another ½" hole through the bottom post skirt, keep this hole as close to the post as possible and centered on the post.

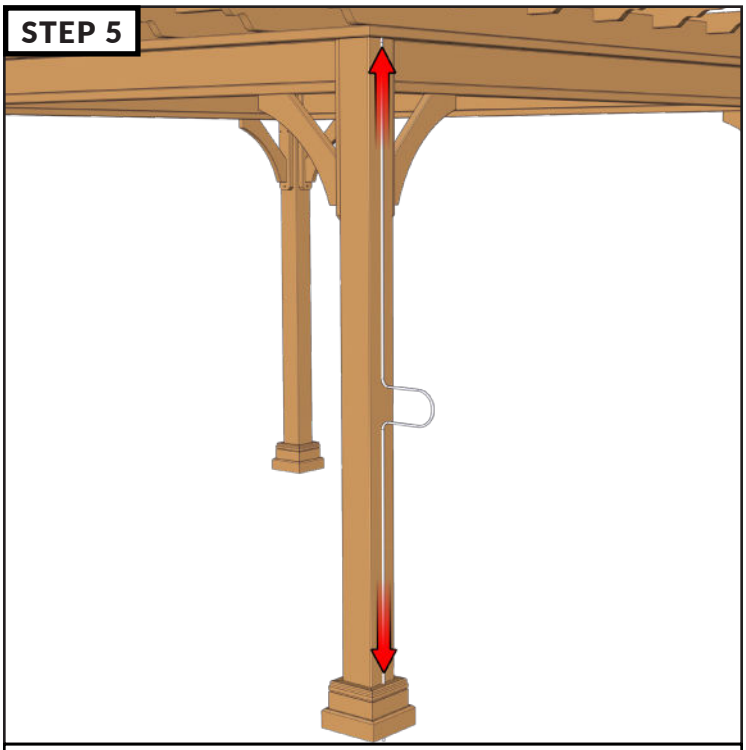
STEP 4



Cut the wire cover strip to length so it fits on the post as shown above.
Mark the location that you want the electrical boxes to be at, then drill two ½" holes at that location 5" apart from each other.

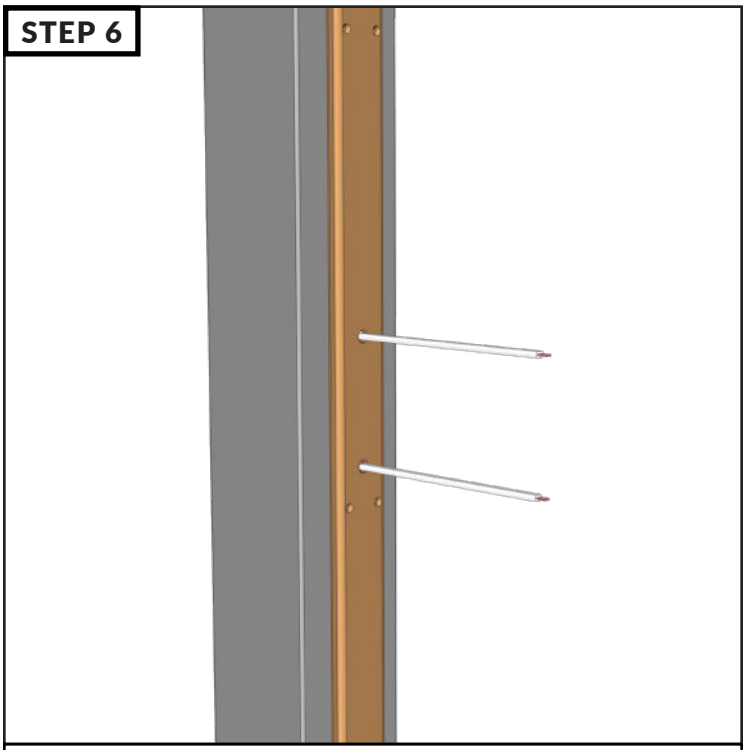
ELECTRICAL INSTRUCTIONS

STEP 5



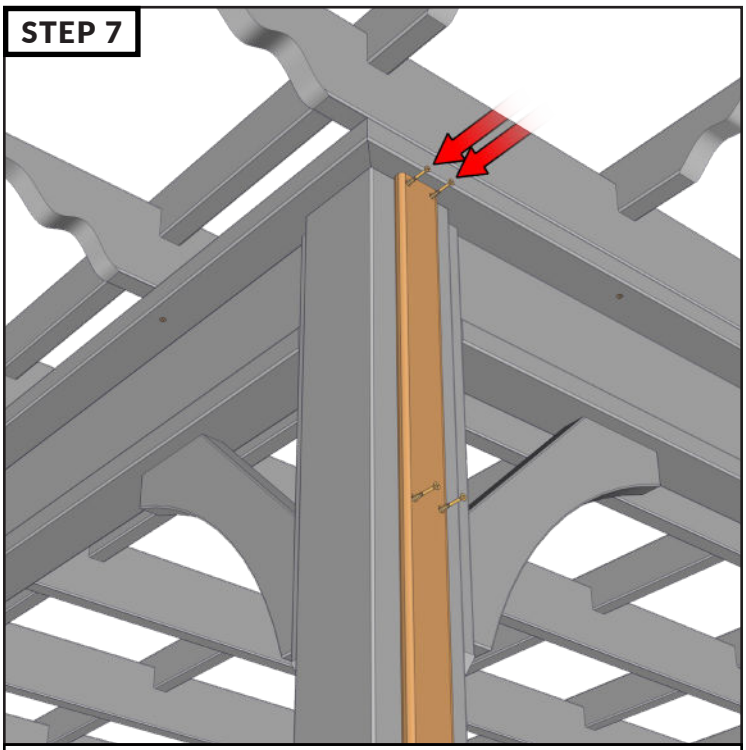
Run the wire up the post through the holes from the previous steps.
Leave enough of wire at the center of the post for the electrical boxes.

STEP 6



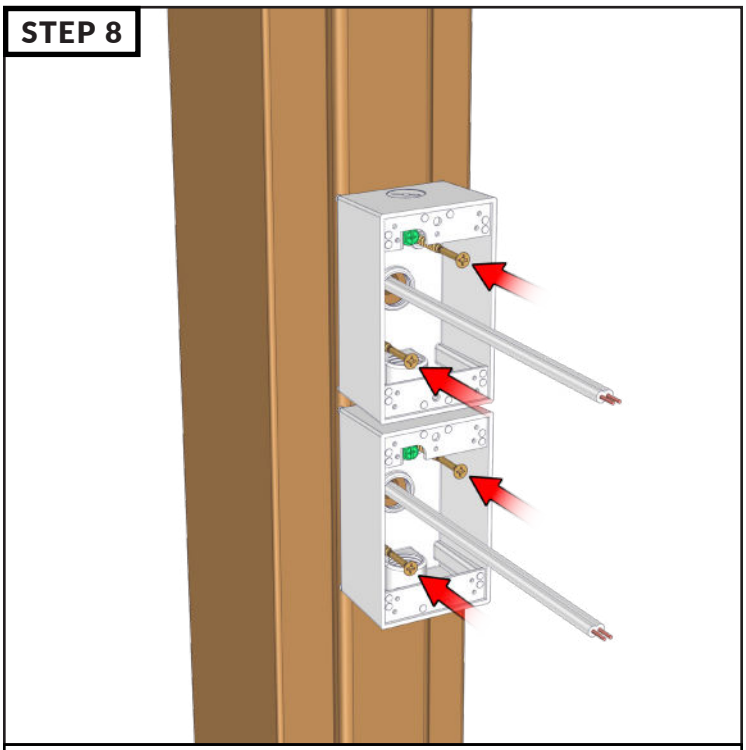
Cut the excess wire in the center then place the wire cover strip over the wire.
Feed the wire ends out through the holes in the cover strip.

STEP 7



Attach the wire cover strip to the post using 2” brown screws.
Angle the screws out slightly to avoid hitting the wire beneath.

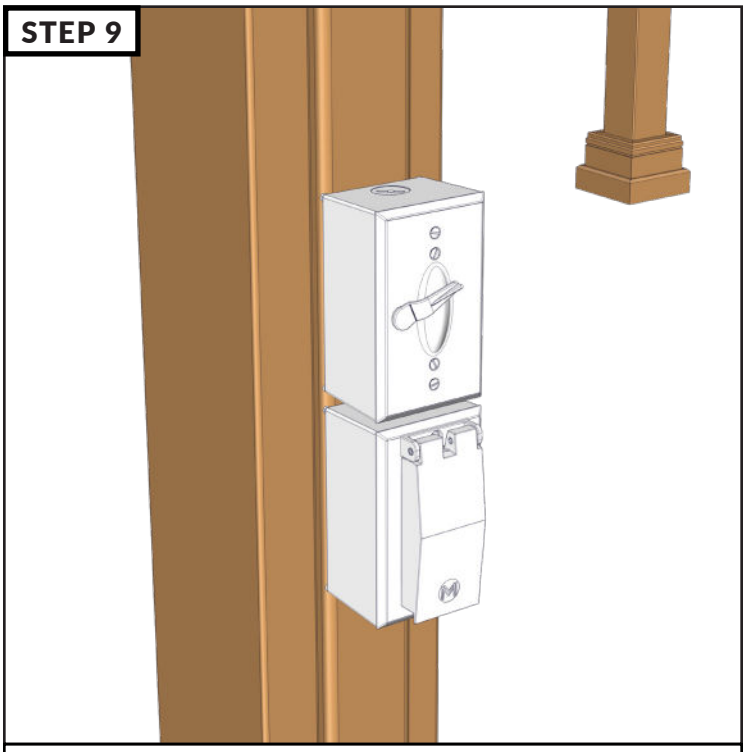
STEP 8



Place the electrical box assembly on the wire cover strip over the wires then fasten it using 2” brown screws.
Angle these screws out slightly as well to avoid hitting the wire.

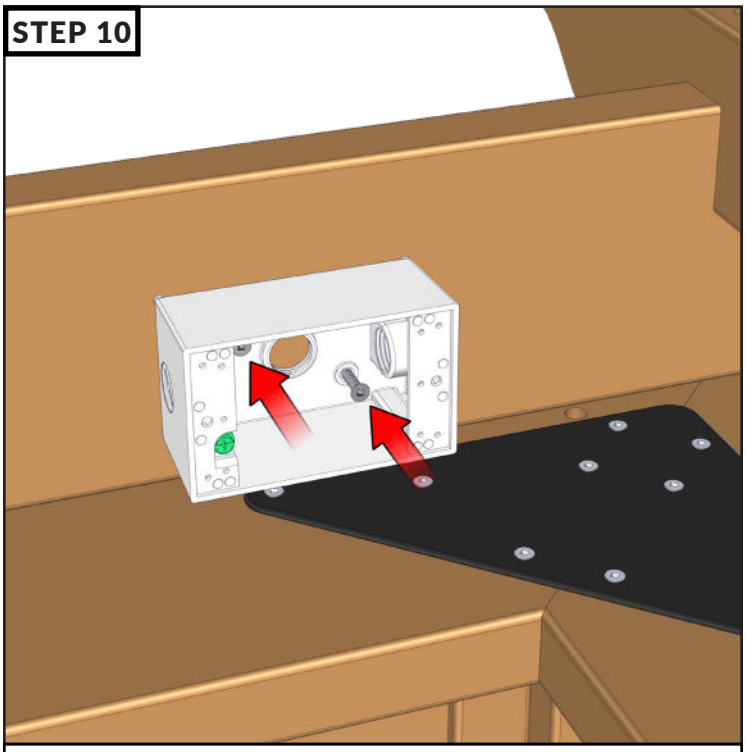
ELECTRICAL INSTRUCTIONS

STEP 9



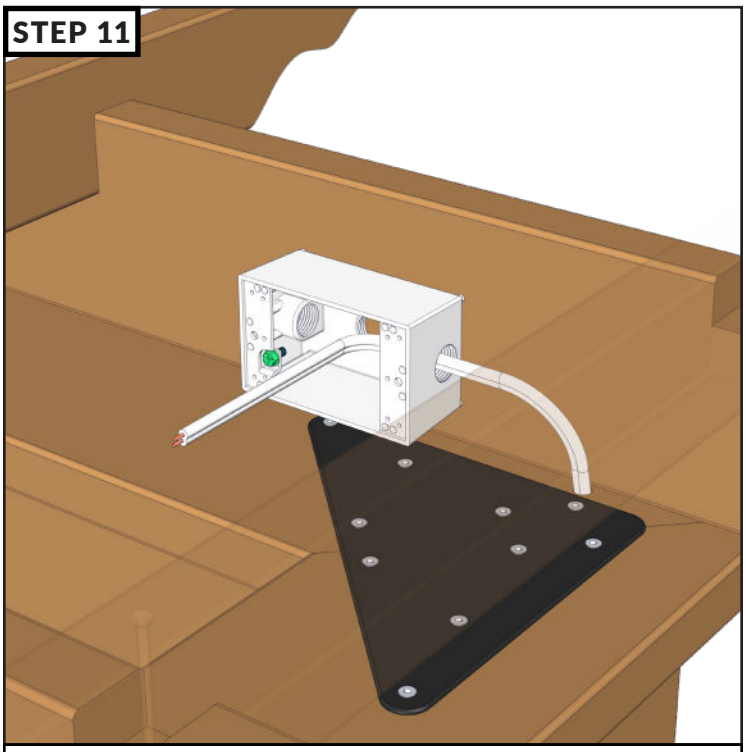
Finish wiring the switch and outlet then install the covers to complete the electrical box assembly.

STEP 10



Install the last electrical box on the outside rafter next to the hole in the top plate.
Fasten this box using 1” stainless screws.

STEP 11



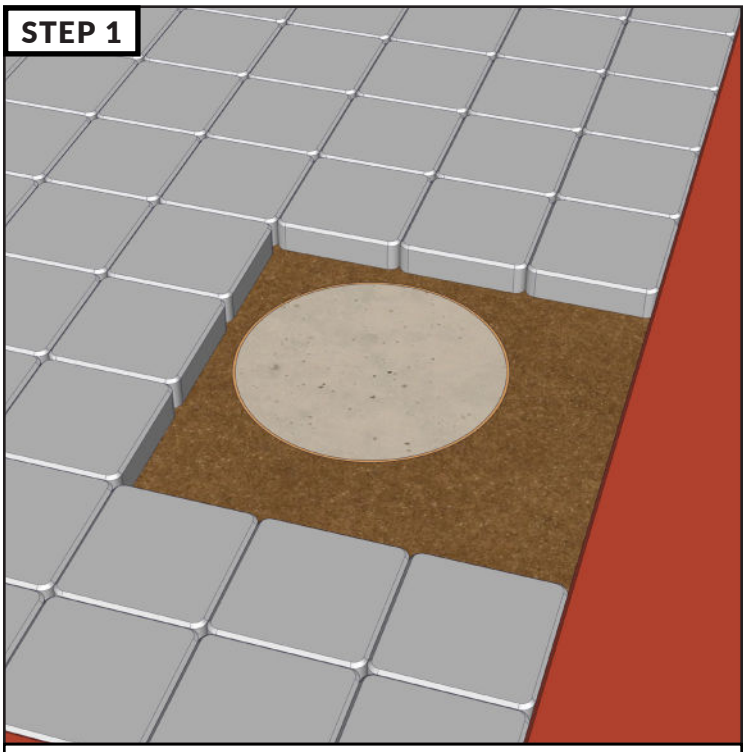
Feed the wire out through the electrical box.

STEP 12

Finish wiring the outlet then place the outdoor cover over the box to finish the install.

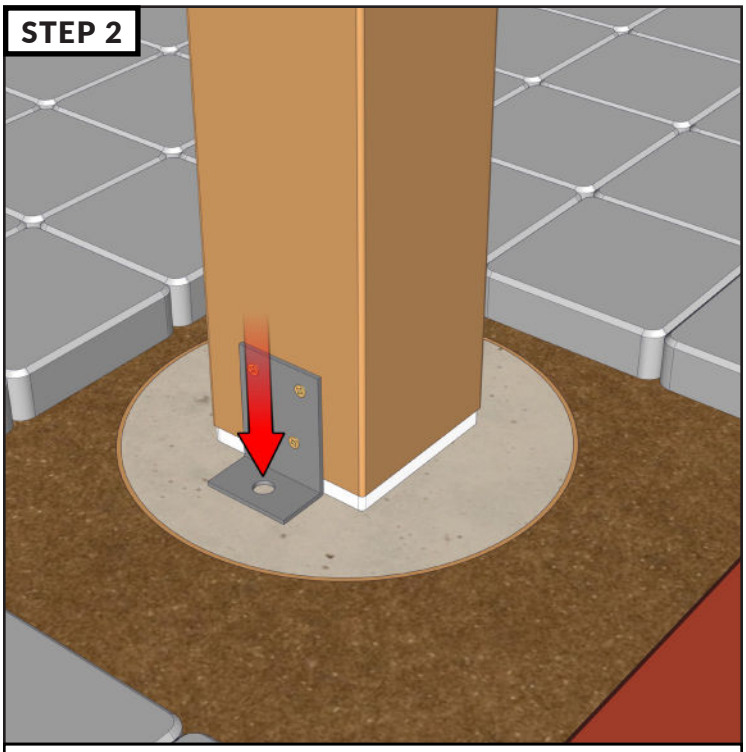
ANCHORING INFORMATION

STEP 1



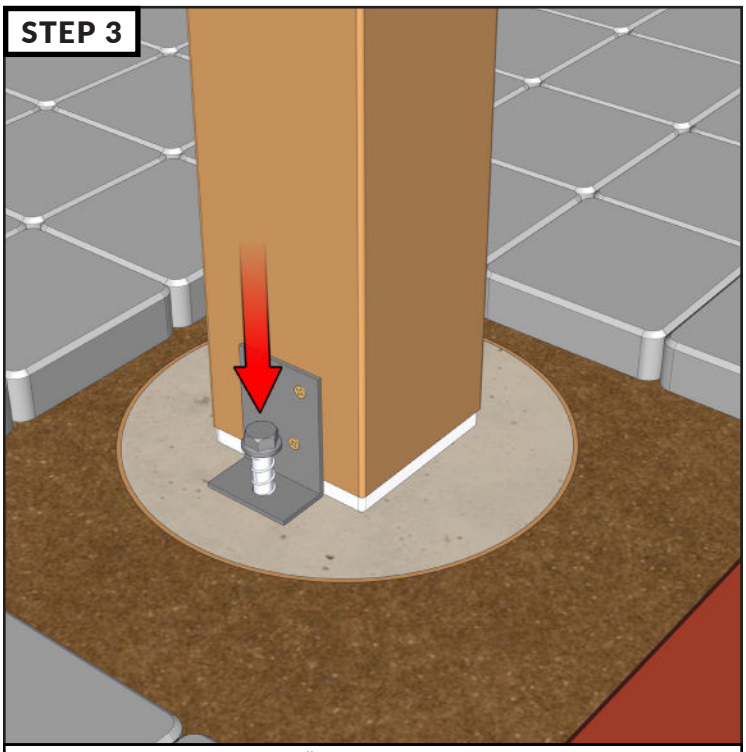
The structure needs to be anchored directly to a concrete pad or footers.
Do not attach the structure through pavers.

STEP 2



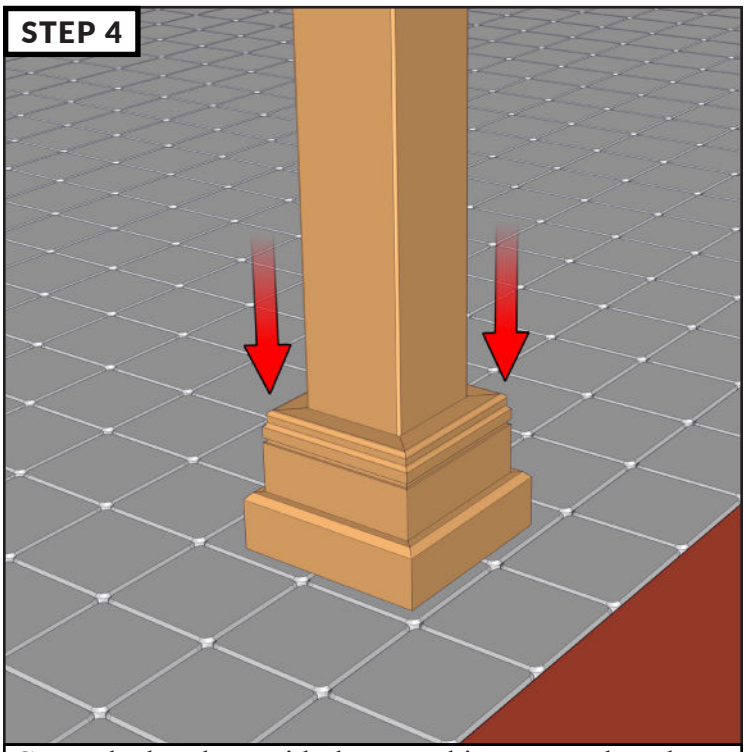
Lift the post skirt up and out of the way.
Drill into the concrete using a hammer drill with a ½" drill bit.

STEP 3



Fasten the posts using ½" anchor bolts through the post brackets.

STEP 4



Cover the brackets with the post skirt to complete the anchoring step.

CARE & MAINTENANCE

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

MAINTENANCE

1. **Check for cracking or splintering.**
   Small cracks and checking in the wood is natural. Apply stain to any new cracks that appear to protect the wood.
2. **Maintain a protective coating.**
   When exposed timbers start to fade, it is time to reapply another coat of stain.
   Wood Structures should be restained every 2-6 years depending on UV exposure.

   Visit gazebo.com/blog/category/maintenance/ for more information about mantaining your structure.

Enjoy your New Pergola!