



**▲ WARNING**

- Repair or replace broken parts immediately.
- Suncast is not responsible for damage caused by weather or misuse.
- Avoid excess heat from any auxiliary source.



This assembly manual was created to assemble an 8' x 10', 10' x 10', or 10' x 12' Suncast Pergola. The unit size used for these instructions is the 8' x 10' size. The assembly process is the same for each Pergola size, but some pictures will differ slightly depending on the size you have purchased.

## Before you begin...

**Read instructions prior to assembly.** This product contains parts that can be damaged if incorrectly assembled. Once assembled, the pergola cannot be taken apart without breakage.

**Please follow instructions.** Suncast is not responsible for replacing parts damaged due to incorrect assembly.

**Avoid scratching finish.** For steps where parts are placed upside down, place parts on a smooth surface to avoid scratching finish. Flatten cardboard from carton to create a smooth work surface.

## Before You Begin...

- **Consult your local authorities for any permits required to construct pergola.**  
Prior to the construction of your pergola, check with the local building code official to review any required permits or building limitations.
- **COMPLETE SITE PREPARATION AND FOUNDATION CONSTRUCTION BEFORE UNPACKING ALL PARTS.**  
A level and sturdy foundation is required before pergola construction can begin.
- **Read instructions thoroughly prior to assembly.**  
This kit contains parts that can be damaged if assembled incorrectly or in the wrong sequence.
- **Please follow instructions.**  
If you have questions or concerns with this product **DO NOT return to store**. Assembly questions? Missing parts? Call 1-800-846-2345 or 1-630-879-2050.
- **Assistance is required.**  
Due to the size of the parts, at least two people are required to handle, fit and secure pergola components.
- **Foundation mounting hardware varies with each application.**  
Read manual first and contact your local building supply retailer for recommendations for your application.



## CAUTION

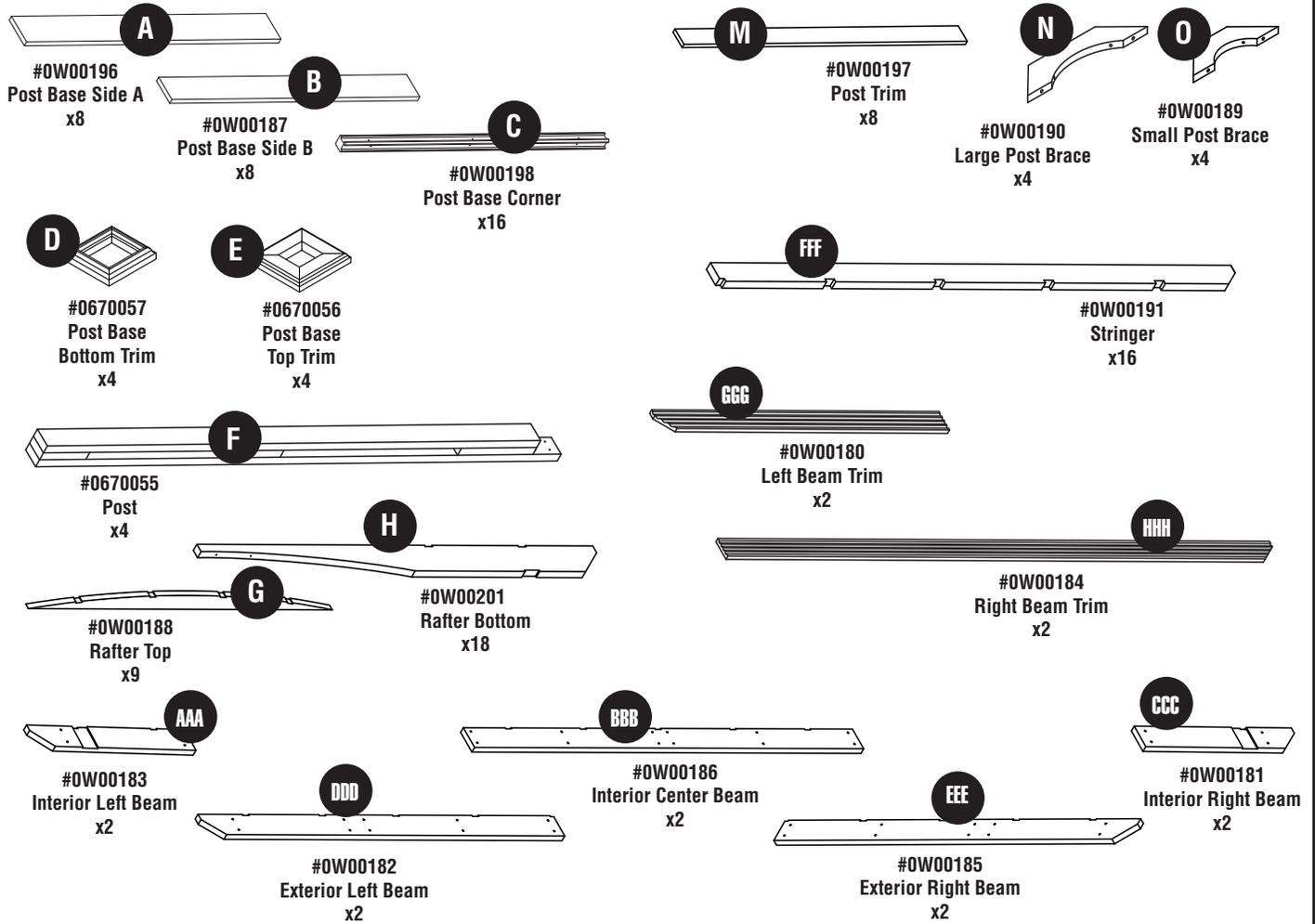
- Pergola not intended for use in extreme weather conditions.
- Do not stand, sit, or hang items from pergola structure.
- Handle carefully in extreme temperatures.
- Repair or replace broken parts immediately. Call 1-800-846-2345 or 1-630-879-2050 for replacement parts.
- Sunbaste is not responsible for damage caused by weather or misuse.
- At regular intervals inspect your pergola to make sure that assembly integrity has been maintained.
- Periodically check that the location you have chosen to set your pergola is still level.
- Avoid excess heat from any auxiliary source.
- Any additional holes drilled into parts could cause unsafe conditions.
- Follow manufacturer safety instructions when using ladder.
- Do not anchor to paver bricks. Foundation must be a solid surface.
- Exercise caution using a lawn mower, edge trimmer or other yard equipment near pergola.
- Do not attempt to cover overhead structure.

## TOOLS REQUIRED

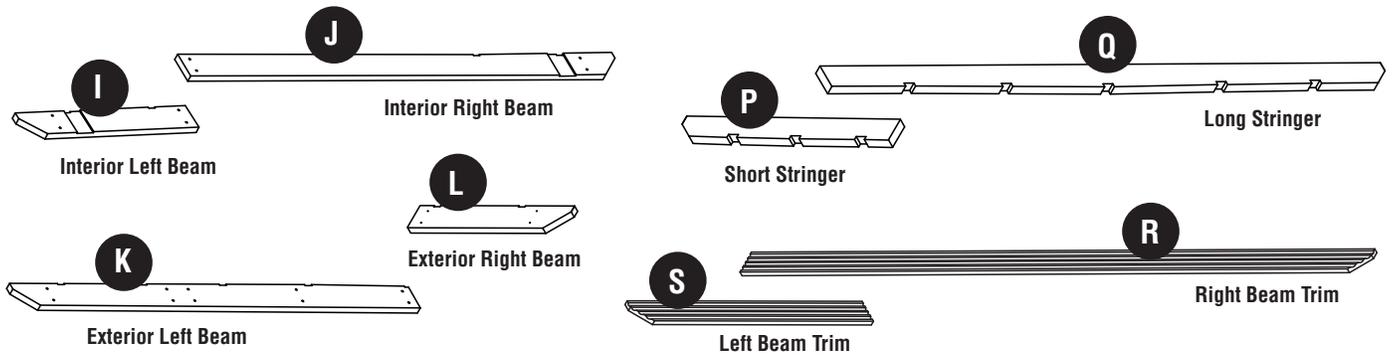
- **Screw Gun or Drill with Screw Bit or Phillips Screwdriver**
- **Ladder**
- **Tape Measure**
- **Hammer**
- **Level**
- **Square**
- **Assistance is required during assembly.**



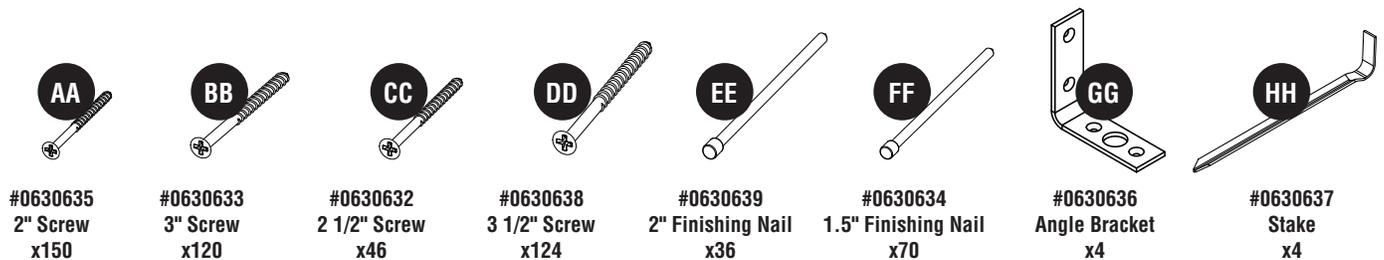
# PARTS - 8' X 10', 10' x 10', 10' x 12'



## RAFTERS, STRINGERS and TRIM - 8' X 10' ONLY



## HARDWARE / QUINCAILLERIE / TORNILLERÍA



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## PRE-ASSEMBLY

Select a level location with good drainage for your pergola. Place pergola kit as close to assembly site as possible.

Boxes are labeled #1 - #6. Each box will be referenced by its number during assembly.

Only unpack the boxes as called for in the instruction manual.

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## POST ASSEMBLY

1. Open Box #2, #3, and #5.

Organize the parts by using the parts list to identify and separate each piece.

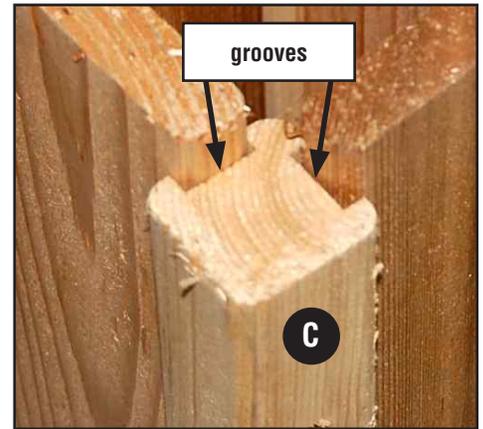


2. Locate two Post Base Side A (A), two Post Base Side B (B) and four Post Base Corner (C) boards.

**NOTE: Post Base Side A (A) is narrower than Post Base Side B (B).**

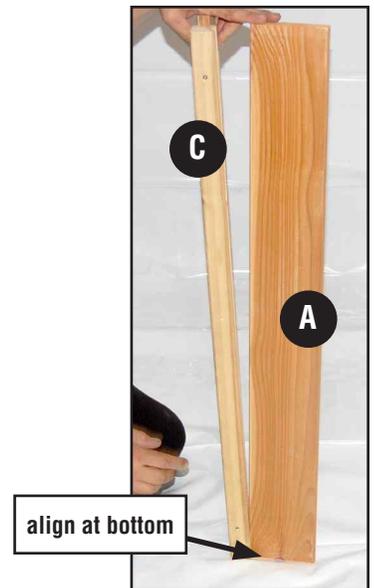


3. Take one Post Base Corner (C) and note the two grooves running the length of the board.

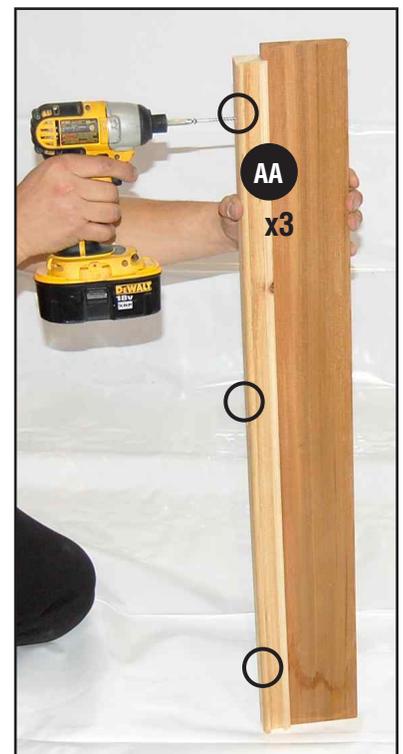


4. Slide one Post Base Side A (A) into either groove on the side of Post Base Corner (C).

Align the bottom of the Post Base Corner to the bottom of the Post Base Side.



5. Attach the corner to the side using three 2" Screws (AA) through the pre-drilled holes.



- Slide one Post Base Side B (B) into the remaining groove on the Post Base Corner (from step 2 - 5).

Align the bottom of the Post Base Corner to the bottom of the Post Base Side.



- Attach in the same manner as step 5.

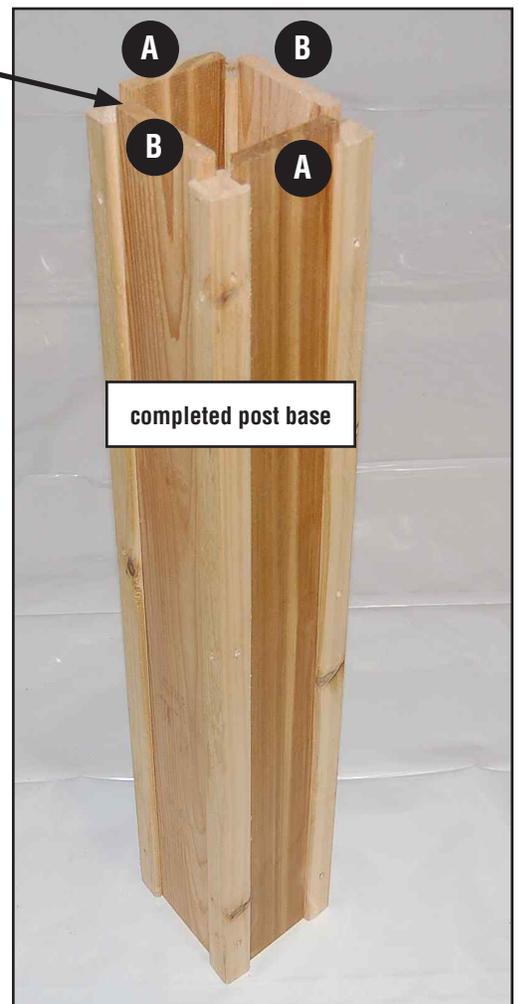


8. **NOTE: It is very important to place Post Base Side A (A) boards opposite each other.**

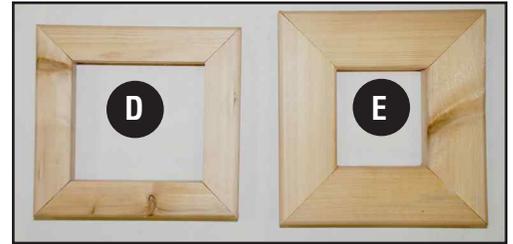
Continue assembling the rest of post base using the remaining three Post Base Corners, one Post Base Side A, and one Post Base Side B.



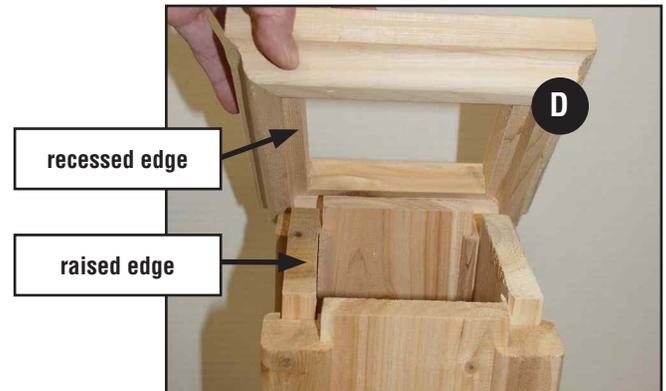
**NOTE: The A and B sides will protrude on one end. This will be the ground end of the post base assembly.**



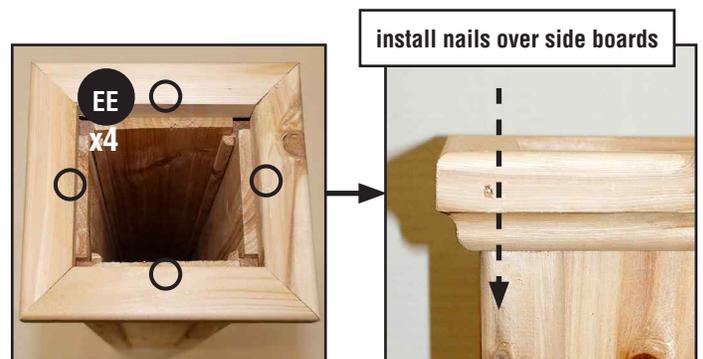
9. Locate one Post Base Bottom Trim. The Post Base Bottom Trim (D) has thinner trim boards than Post Base Top Trim (E). See photo.



10. Position Post Base Bottom Trim (D) with recessed edge over raised edge of ground end of post base assembly.



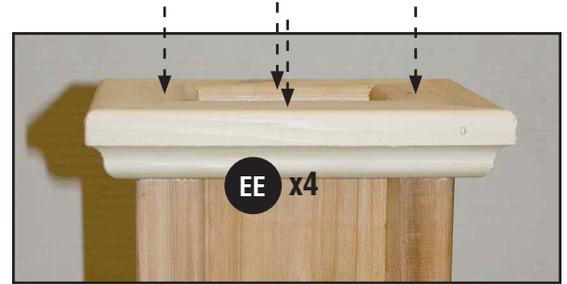
11. Attach the trim to post base assembly using four 2" Finish Nails (EE) installed over the side boards at the center of each side, as shown.



12. Flip post base assembly. Locate and position one Post Base Top Trim (E) with wide end of molding at top. Center the trim over post.



13. Attach top trim using four 2" Finish Nails (EE) installed over the side boards at the center of each side.

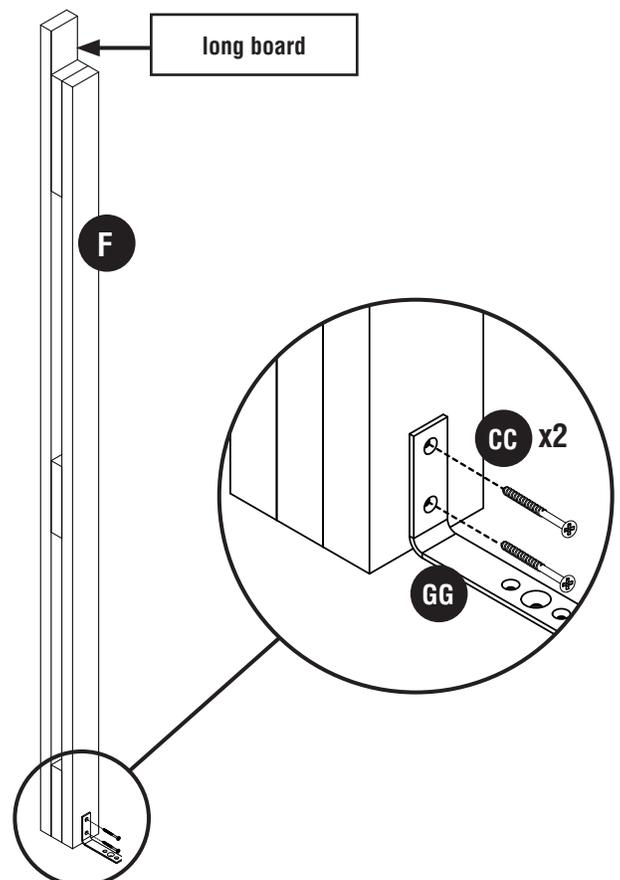


14. Repeat steps 4 - 13 to assemble remaining three post bases.

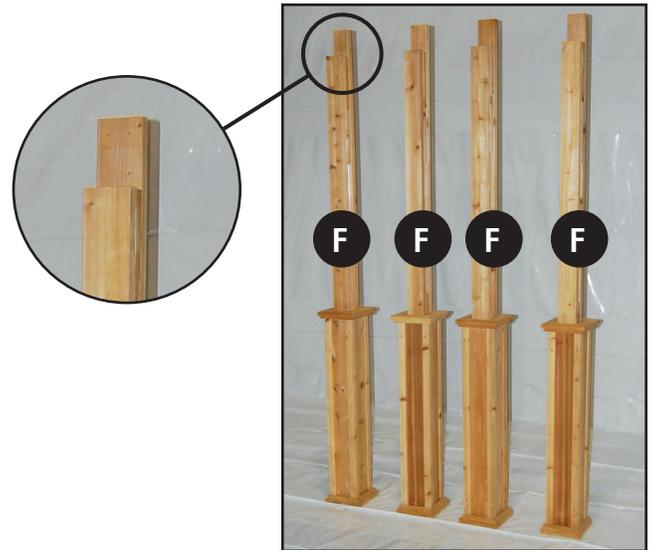


15. This pergola includes brackets to anchor the posts. Anchoring the pergola to a firm, level surface is recommended. If you are not going to anchor the posts, proceed to step 16.

Locate the four Posts (F). On the opposite side of the long board, attach Angle Bracket (GG) to bottom of Post using two 2 1/2" Deck Screws (CC). See diagram.



16. Locate the four Posts (F). With long board at top, insert one Post into each post base assembly, as shown.



### RAFTER ASSEMBLY

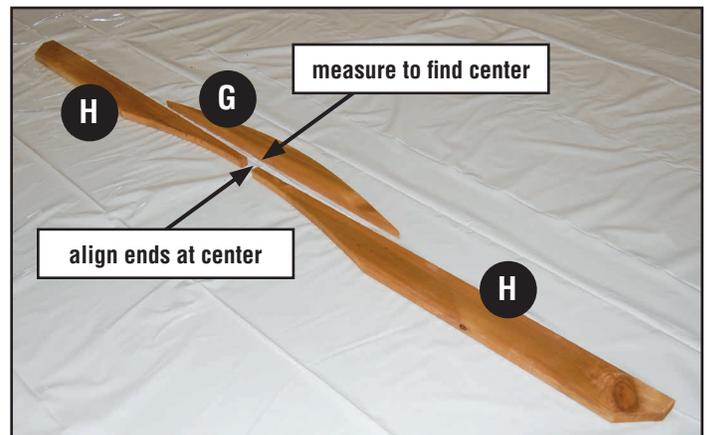
1. Open Box #4.

Organize the parts by using the parts list to identify and separate each piece.



2. Locate one Rafter Top (G) and two Rafter Sides (H). Position the three pieces on a flat, level, clean surface, as shown.

Use a tape measure to find the center of the Rafter Top (G). Align inner ends of Rafter Bottoms with center of Rafter Top (G).



3. Attach the rafters using four 3" Screws (BB) through the pre-drilled holes in the Rafter Sides and four 3" Screws (BB) through the pre-drilled holes in the Rafter Top.



- Repeat step 2-3 to assemble the remaining rafters.

**The 8' x 10' pergola uses a total of 8 rafters.**  
**The 10' x 10' pergola uses a total of 8 rafters.**  
**The 10' x 12' pergola uses a total of 9 rafters.**

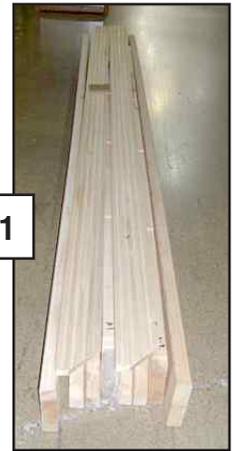


## BEAM ASSEMBLY

- Open Box #1.

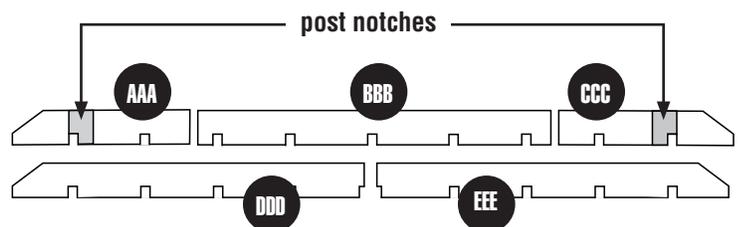
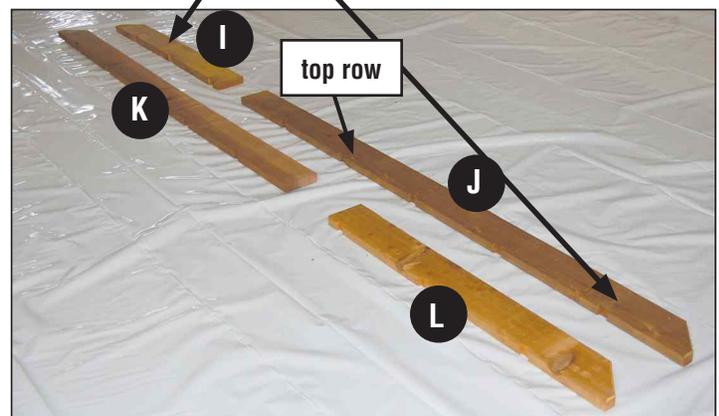
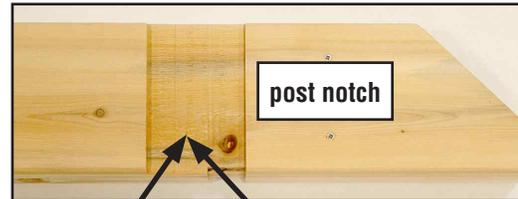
Organize the parts by using the parts list to identify and separate each piece.

box 1



- Arrange one Interior Left Beam (I), one Interior Right Beam (J), one Exterior Left Beam (K), and one Exterior Right Beam (L) in positions shown. The two boards with the post notch must be in the top row with the post notch facing up.

**NOTE: The 10' x 10' and 10' x 12' pergola use five boards per beam and have a different layout. The construction method remains the same. Use the diagram below to assemble the beam for the 10' x 10' and 10' x 12' pergola.**



**10' x 10' and 10' x 12' beam components and layout**  
**NOTE: Post notches must face up.**

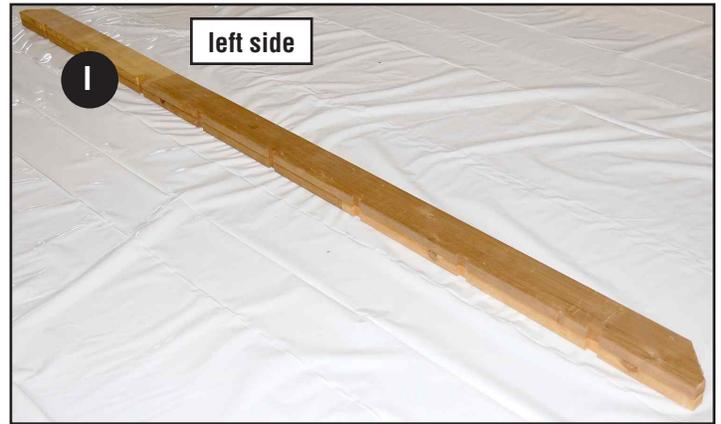
3. In the bottom row, push the ends of the Exterior Left Beam (K) and the Exterior Right Beam (L) together.



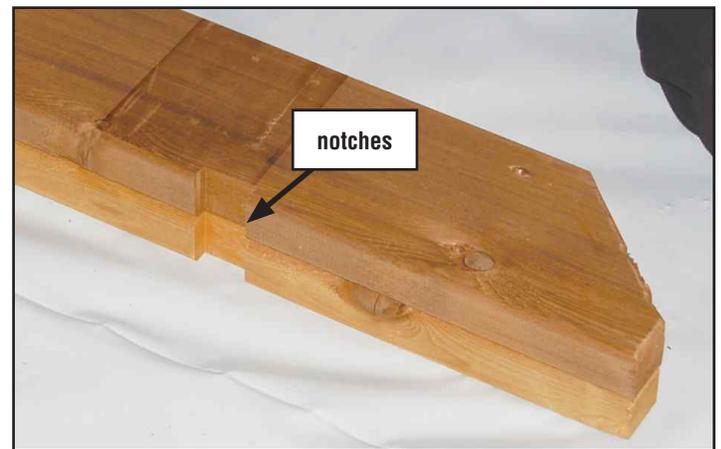
4. Take the Interior Right Beam (J) from the top row and set it on top of the right side of the bottom row.



5. Take the Interior Left Beam (I) from the top row and set it on top of the left side of the bottom row.

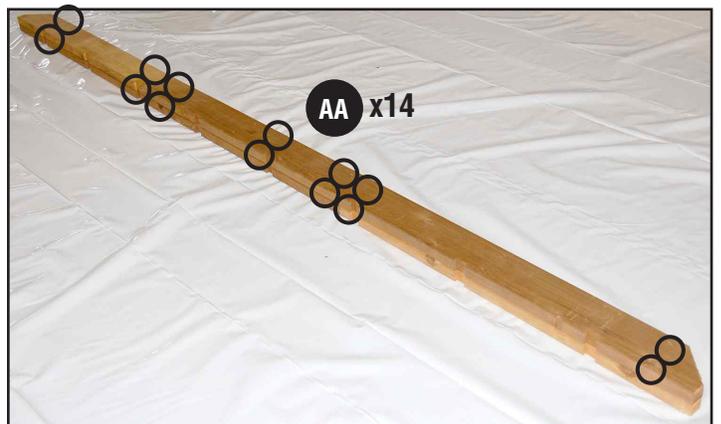


6. Align all edges of the boards, including the notches.



7. Attach the boards using fourteen 2" Screws (AA) through the pre-drilled holes.

**NOTE: The 10' x 10' and 10' x 12' pergolas use twenty 2" Screws (CC) through pre-drilled holes.**



8. Repeat steps 2 - 7 to assemble the second beam.

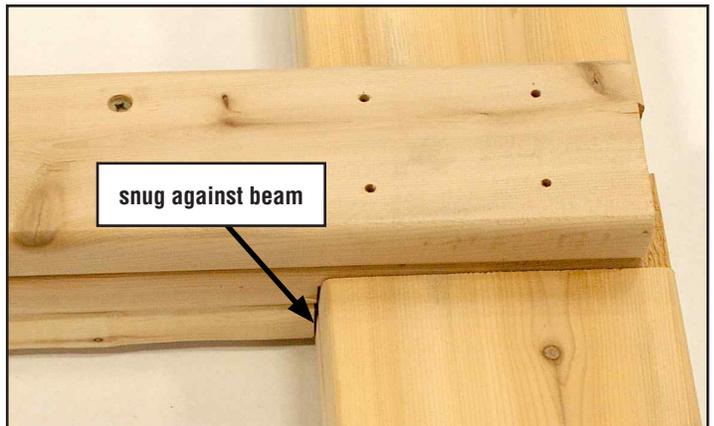
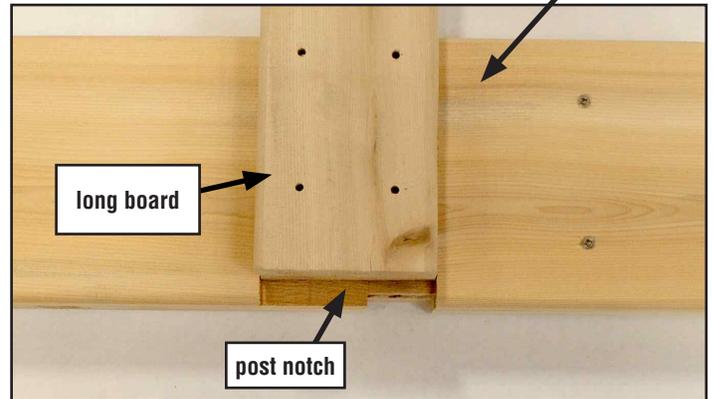


### POST TO BEAM ASSEMBLY

1. Arrange one beam assembly and two post assemblies in positions shown.

Place the long board of each post into the post notch on each side of the beam. Push post snug against beam.

Use a square to ensure posts are 90° to beam.



2. At each post, partially insert four 2 1/2" Screws (CC) through pre-drilled holes in long board. Check that corner is square. Adjust, if necessary, then tighten.



3. Repeat steps 1 - 2 for remaining beam and two post assemblies.



4. **NOTE:** The long board side of each post and beam assembly must face the interior of the pergola.

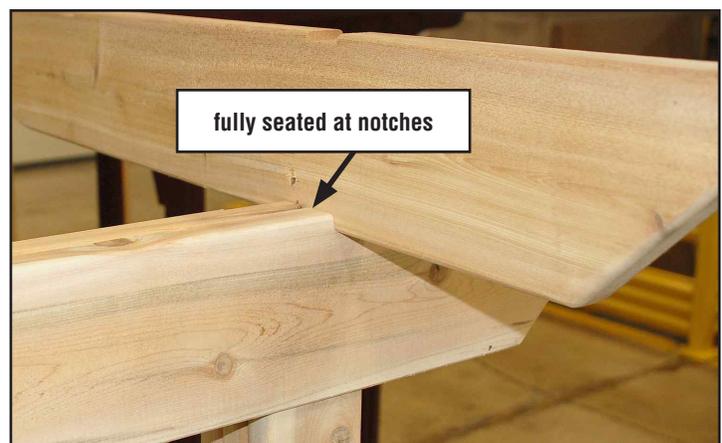
With at least two people, stand each post and beam assembly upright.

**CAUTION:** Do not leave post and beam assemblies unattended until two rafters are installed.



5. Line up the notches on one rafter assembly with the notches on the far end of each post and beam assembly. Push down on rafter to seat.

Check that rafter is fully seated on beam at both contact points. If necessary, use a rubber mallet.



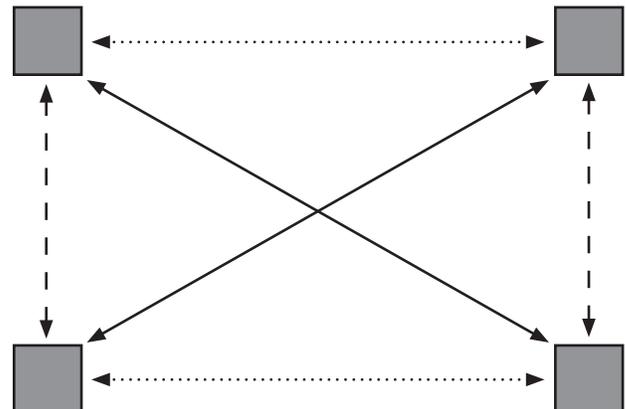
6. Attach rafter assembly to both post and beam assemblies using one 3" Screw (BB) through pre-drilled hole on each side of beam, at angles shown.



7. Repeat steps 5 - 6 to install second rafter to opposite end.



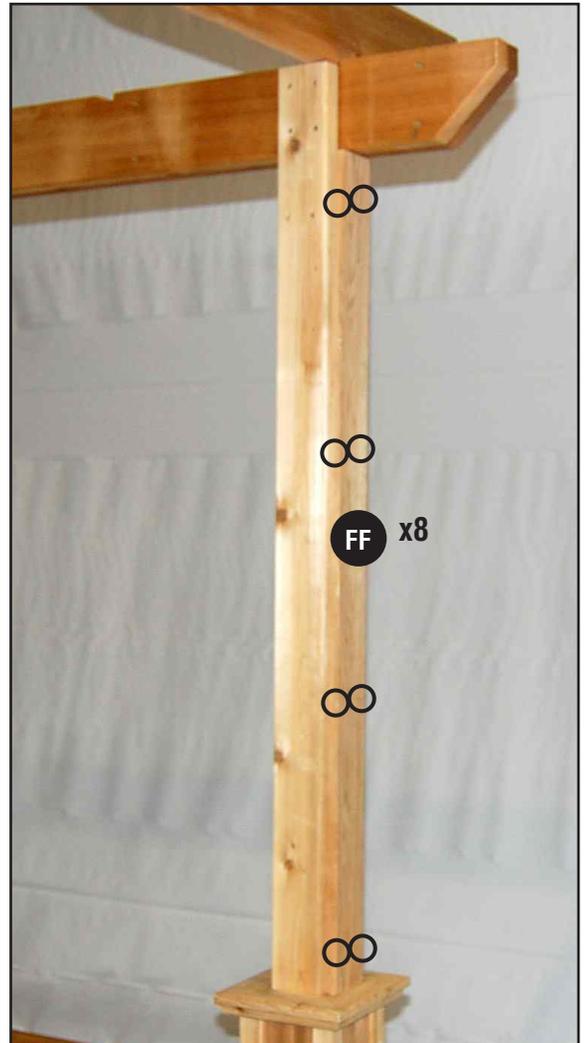
8. Place pergola assembly in it's final location. A level and sturdy foundation is required. Measure the distance between the legs to ensure they are the same. Match measurements of line to line, dashed to dashed, dots to dots. Adjust, if necessary. See diagram.



9. Locate the Post Trim (M) boards. With rounded edges facing out, align one Post Trim (M) to the outside of one post and parallel to the beam.

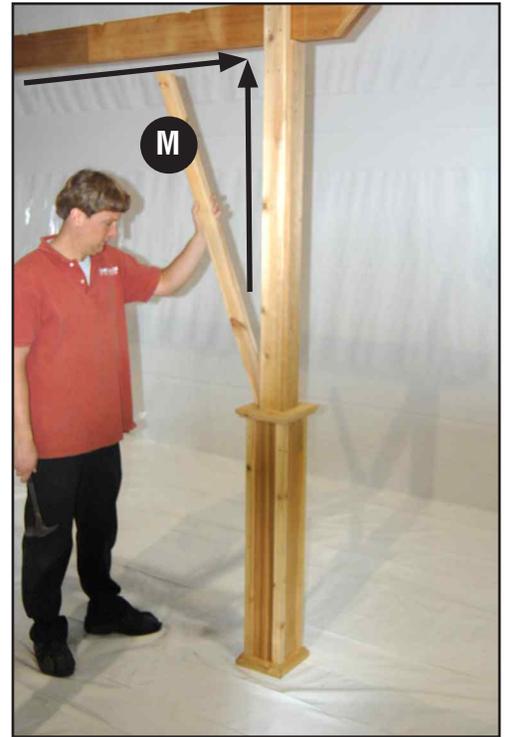


10. Attach Post Trim to post with eight 1 1/2" Finish Nails (FF) in positions shown.



11. With rounded edges facing out, align a second Post Trim (M) to the inside of post and parallel to the beam.

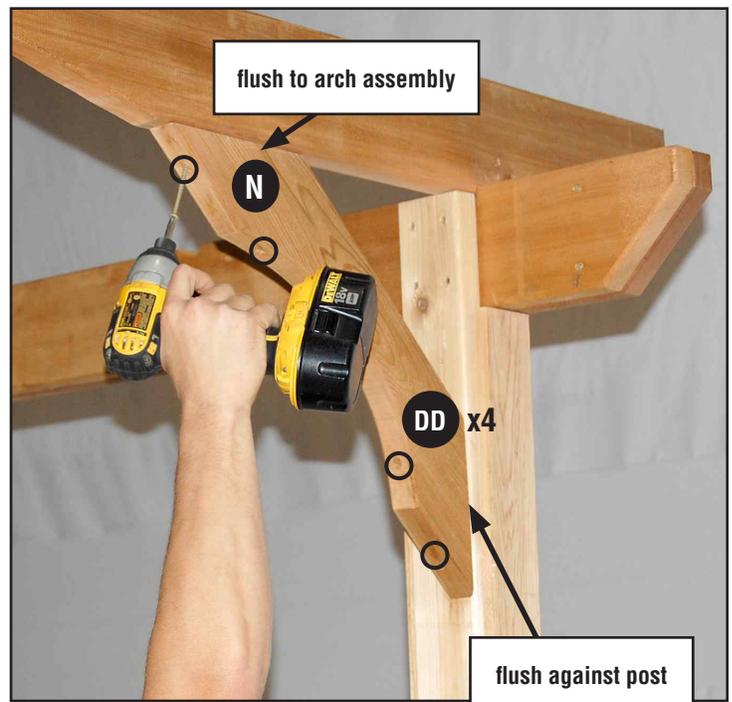
Attach Post Trim to post in the same manner as step 10.



12. Repeat trim installation for each post following steps 9 - 11.

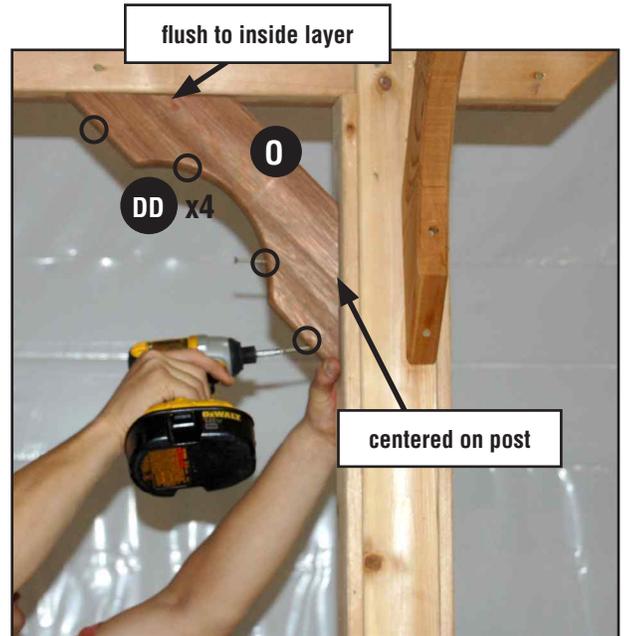
13. Locate one Large Post Brace (N) and place flush to arch assembly and flush against post.

Attach using four 3 1/2" Screws (DD) through pre-drilled holes, in positions shown.



14. Locate one Small Post Brace (O) and place centered on post and flush to inside layer of beam assembly.

Attach using four 3 1/2" Screws (DD) through pre-drilled holes, in positions shown.



15. Repeat steps 13 - 14 to install remaining Large and Small Post Braces.



16. Repeat steps 5 - 6 to install remaining rafters.



## STRINGER INSTALLATION

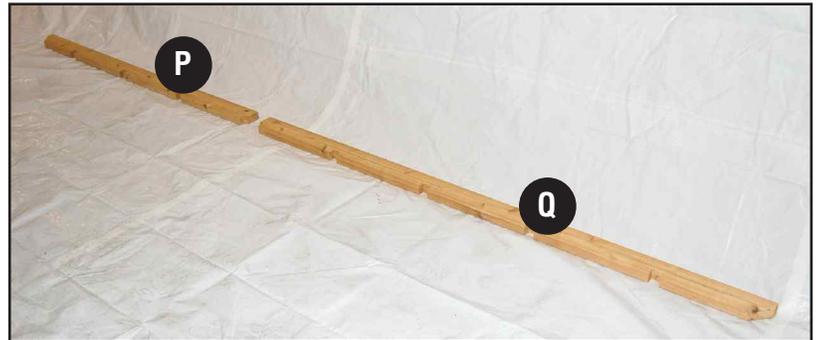
### 1. Open Box #6.

Organize the parts by using the parts list to identify and separate each piece.



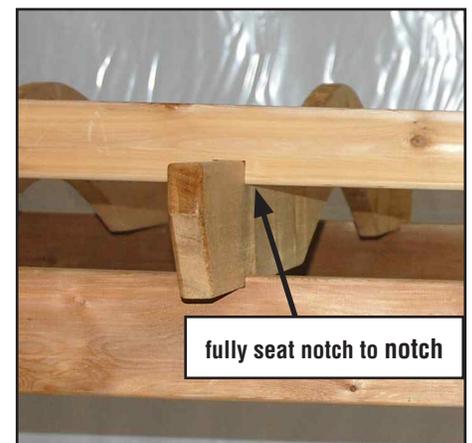
### 2. Locate one Long Stringer (Q) and one Short Stringer (P).

**NOTE: The stringers for the 10' x 10' and 10' x 12' pergolas will be the same length. The construction method remains the same.**

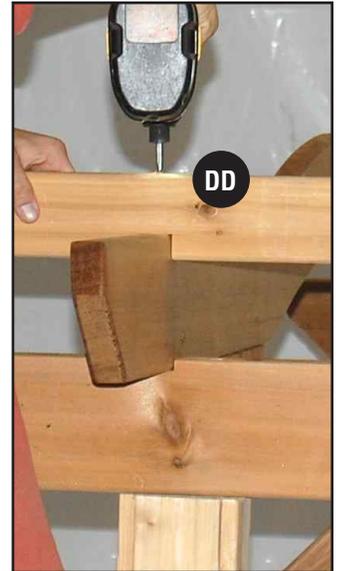


### 3. On one side of pergola assembly, place one Long Stringer (Q) on top of rafters and align over beam.

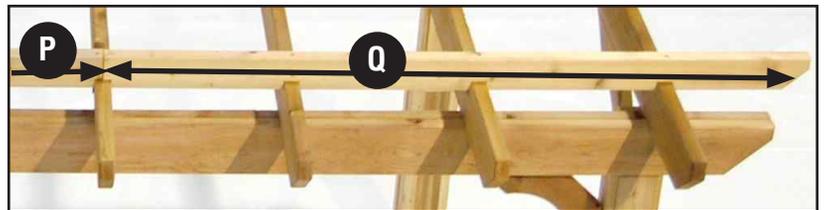
Starting at the outside, align the notches in the stringer to the notches in the rafters. Press down on stringer to fully seat contact points in notches. If necessary, use a rubber mallet.



4. Attach the Long Stringer using one 3 1/2" Screw (DD) through each pre-drilled hole located above each rafter.

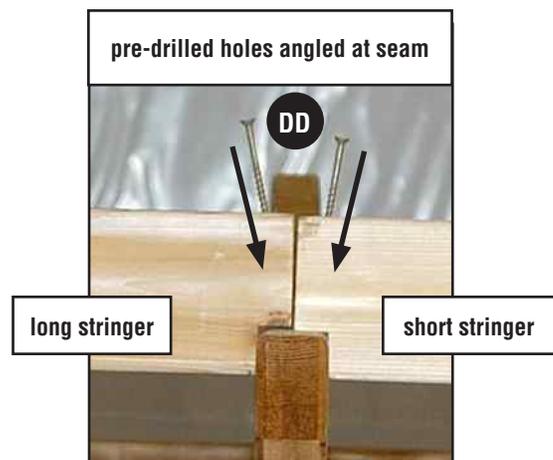


5. Place Short Stringer (P) opposite Long Stringer (Q). Starting at the outside, align the notches in the stringer to the notches in the rafters. Press down on stringer to fully seat contact points in notches. If necessary, use a rubber mallet.



6. Attach Short Stringer using one 3 1/2" Screw (DD) through each pre-drilled hole located above each rafter.

**NOTE: At the seam where the two stringers meet, pre-drilled holes will be at an angle.**



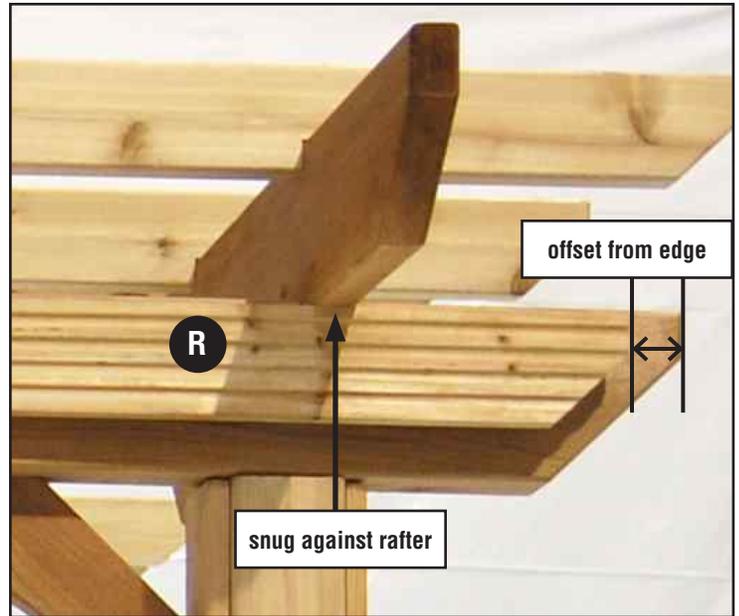
7. Repeat steps 2 - 6 to install remaining stringers.

**The 8' x 10' pergola uses a total of 7 stringers.  
The 10' x 10' pergola uses a total of 8 stringers.  
The 10' x 12' pergola uses a total of 8 stringers.**



## DECORATIVE TRIM INSTALLATION

1. Locate one Right Beam Trim (R) board. Position trim over the right side of one beam, with decorative surface facing out. Push trim snug against rafters and offset 1 1/2" from edge of beam, as shown in photo.



2. Attach trim using three 2 1/2" Screws (CC) spaced evenly apart.



3. Locate one Short Beam Trim (S). Place Short Beam Trim snug against end of Long Beam Trim and snug against rafters. Attach using two 2 1/2" Screws (CC) at each end of trim.



4. Finished Pergola.



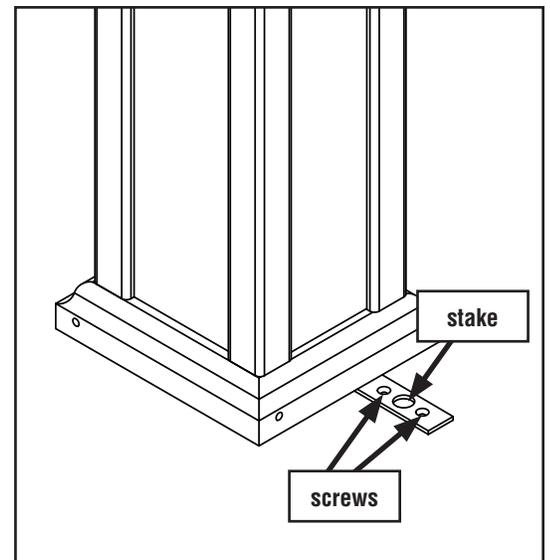
## ANCHOR POSTS

1. **NOTE: Before anchoring the posts, check measurements between posts. See page 15, step 8. Adjust if necessary.**

Attach Angle Bracket to floor, foundation, or the ground using appropriate fasteners.

Use 2 1/2" Screws (CC) if foundation is wood or composite material. Use Stakes if anchoring to ground.

**NOTE: If foundation is concrete or other hard surface, consult your local retailer for help to determine the best fasteners for your particular installation.**



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