



Sage System™ Installation Steps — Option 2 Single Pergola, with Sunshade

Outdoor Accents®

SIMPSON
Strong-Tie

Tools Needed

	Drill
	3/16" concrete drill bit (4" long min.) 5/16" hex driver bit (when anchoring to concrete/CMU)
	Tape measure
	Ladders
	Level
	2–4 people (depending on pergola size)

Quantity of Parts Needed

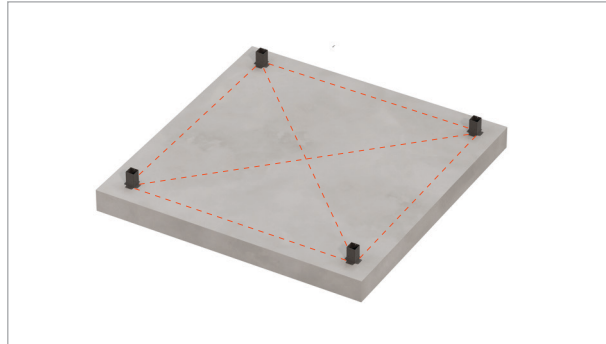
- 2 Sage System corner connector boxes (4 parts)
- 2 Sage System post base connector boxes (4 parts)
- 1 Sage System sunshade box (1 sunshade)

Note: All necessary screws and anchors are included in the box. Additional accessories for anchoring to concrete not included are listed in the “Tools Needed” section.

Lumber Details

- 8 pieces of 4x4 or 6x6 lumber, depending on preference. Parts are made to fit 4x4 or 6x6 dry, straight dressed lumber. Dressed wood has eased edges and is planed on all sides.
 - 4x4 actual dimensions: 3 1/2" x 3 1/2"
 - 6x6 actual dimensions: 5 1/2" x 5 1/2"
- 8'-long beams fit 8' x 8' Sage sunshade and 10'-long beams fit 10' x 10' Sage sunshades. 8'-long posts recommended.

Step 1



Measure the layout and place post bases in their required position.

Tip: The wood beam length should be the dimension between face of post bases. Check diagonal measurements are equal to verify layout is square.

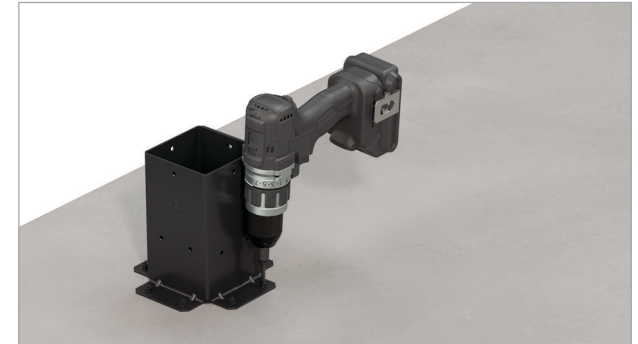
Step 3



Insert posts into each base. Plumb each post and install temporary bracing. After posts are plumb, install all screws into post bases.

Leave bracing in place until all beams are installed.

Step 2



Predrill holes for provided anchors using a 3/16" concrete drill bit. Install provided screw anchors to secure pergola to concrete.

Tip: Ensure holes are drilled at least 2 1/4" deep into concrete prior to installing anchors. Drive anchor until in contact with base, but do not overtighten.

Step 4



Place corner connectors onto each post and install screws. Ensure post is fully inserted into connectors (resting against stop tabs).

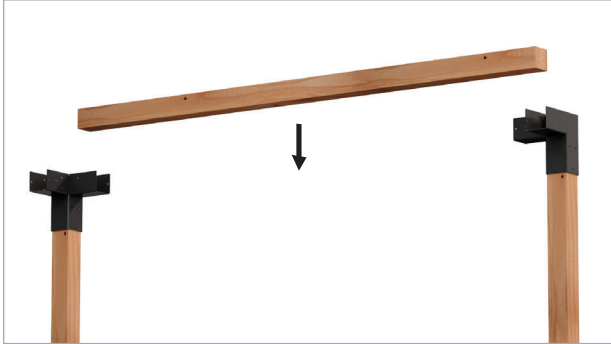
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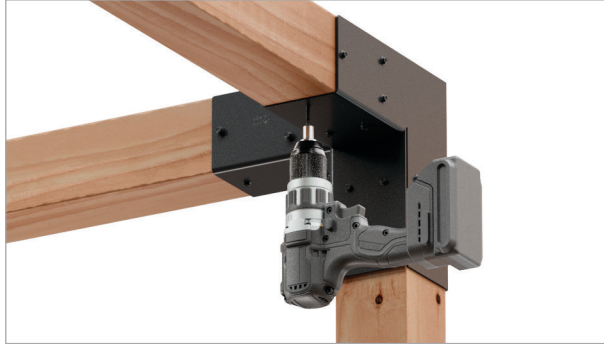
Step 5



With ladders in place, lift and place a beam into slots of corner connectors. Ensure beam is placed as far as possible into each connector.

Tip: If a beam's fit is too tight on one of its faces, try rotating it 90°.

Step 6



Install all screws into connector on each end of beam. Repeat Steps 5 and 6 for remainder of beams. Remove temporary bracing.

Step 7



Install sunshade. Refer to "Sunshade Installation Steps" provided at the end of this document.

Step 8



Enjoy.

DISCLAIMER: These instructions are provided as a general guide for assembling the Sage System single pergola with a sunshade. Users should ensure all parts are installed correctly and securely. The manufacturer is not responsible for any damages, injuries, or structural failures resulting from improper assembly, environmental factors, or misuse. Users assume full responsibility for verifying compliance with local building codes and ensuring proper anchoring for stability. If unsure, consult a qualified professional. Use this guide at your own risk.

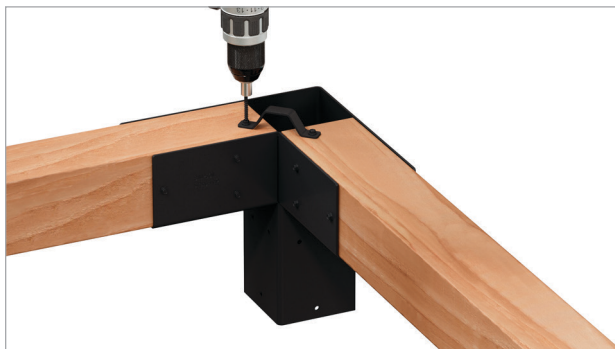
See strongtie.com/warranty for more information.

Sage System™ Sunshade Installation Steps

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Step 1



Position the included sunshade brackets in each corner as shown and install screws.

Step 2



Attach straps of sunshade through brackets installed at each corner. Pull straps to tighten until gap is even on all sides. Do not excessively tighten.

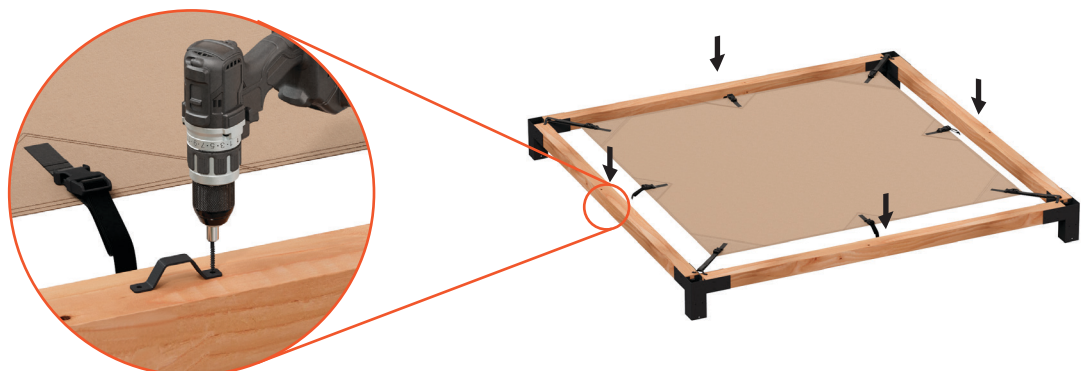
Step 3



Use center strap locations on sunshade and make a mark of where to place sunshade brackets along each beam.

Note: 8' x 8' Sage sunshades will have one (1) attachment point on each side (shown). 10' x 10' Sage sunshades will have two (2) attachment points on each side.

Step 4



Position remainder of brackets in marked locations and install screws.

Step 5



Attach remainder of sunshade straps to brackets. Then pull all straps to tighten until sunshade is snug and gap is even on all sides. Do not excessively tighten.