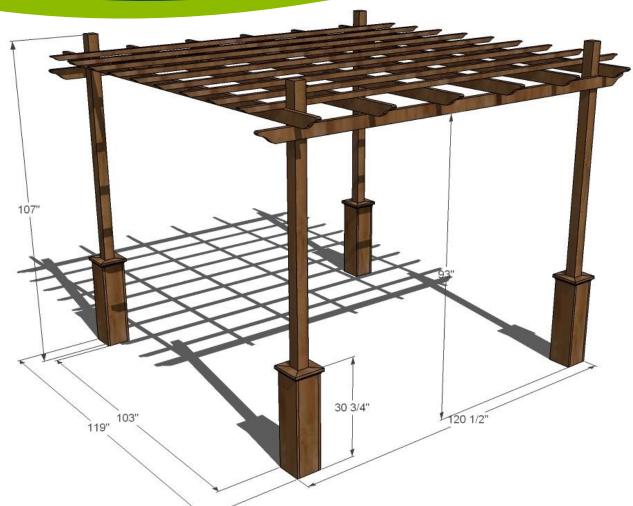
Pergola





Shopping list

- 4 4x4 Culpeper Ground Contact posts 8-12 feet long (depending on how much of the posts you choose to bury or place in pier blocks)
- 4 brackets or pier blocks or other foundation as necessary
- 8 Culpeper Ground Contact 2x4 12 feet long
- 9 Culpeper Ground Contact 2x2 12 feet long
- 2 Culpeper 2x2 @ 8 feet long (these could be furring strips)
- 2 Culpeper Ground Contact 1x4 @ 8 feet long

- ³⁄₄" x ³⁄₄" molding, exterior preferred
- 3 1x10 treated @ 8 feet long
- 3 1x8 treated @ 8 feet long

Common Materials

- 2 ¹/₂" screws
- 3" screws
- 1 ¼" finish nails
- 2" finish nails
- 2 ¹/₂" finish nails
- Wood Glue



culpeperwood.com

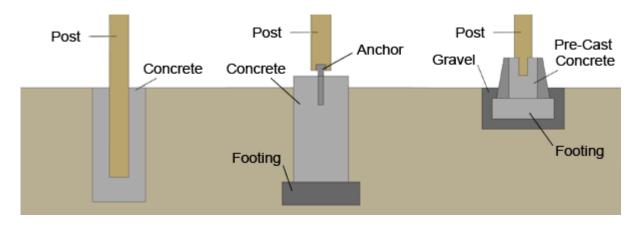
15487 BRAGGS CORNER ROAD P.O. BOX 1148 CULPEPER, VA 22701 (800) 817-6215



Build your own pergola!

The first and most important part of this project is to set your footings properly. There are several different means to do this - if you are setting your pergola on a wood deck or concrete patio or other stable level foundation, you can simply screw the post brackets to the deck as done here by Popular Mechanics (https://www.popularmechanics.com/ home/how-to-plans/a32316828/how-to-build-a-pergola/). It's a good idea to review this link regardless, as there is lots of good information in there.

Now if you do not have a foundation in place, you are going to have to make one for the pergola. This can be done to whatever degree you see fit and depends on what type of soil is on your lot (hopefully gravel).





30"

Set the posts in the ground. Make sure to space the posts exactly as shown above, and that the posts are square (take diagonals). The posts need to stick out of the ground 107" - but you may need the posts to be longer if, for example, you are using buried pier blocks.

- 2" galvanized nails and glue

116" 109"

STEP 2

Now on all the posts, attach 2x2 cleats as shown here with 2 ½" galvanized finish nails and glue. The bottom cleat should sit just above the brackets that hold the posts to the ground.



Complete the cleats by adding the other 2x2s as shown.

107 1/2

153 1/16"

107 1/2' 114 1/2'

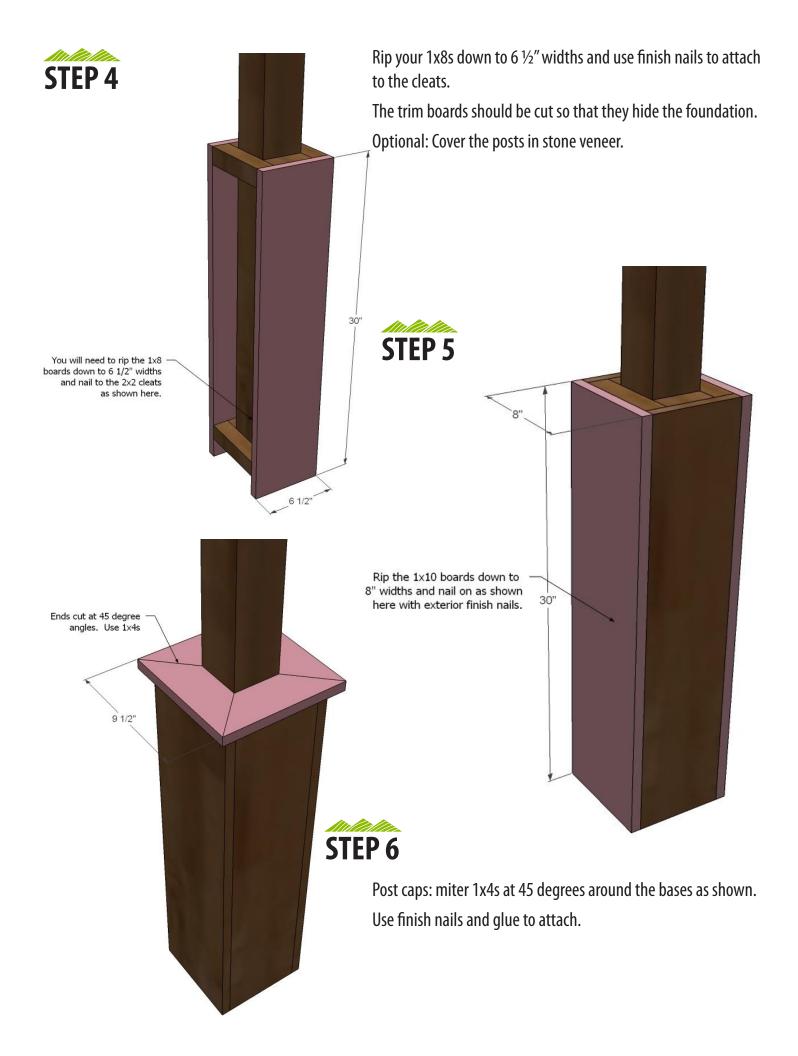
1/2

109"

153 1/16"

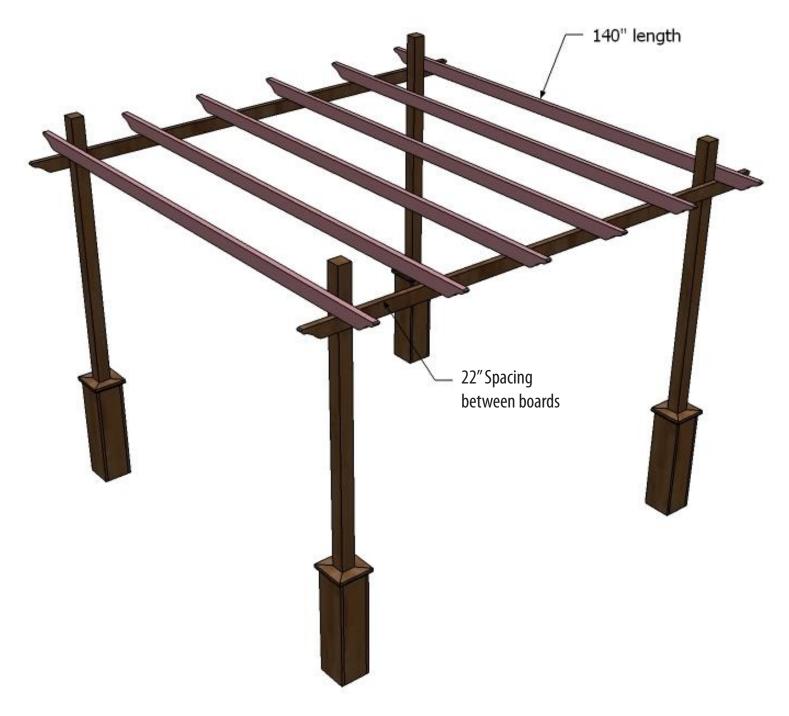
Leave enough space on the bottom for you footings

Nail on with 2 1/2" galvanized nails and glue





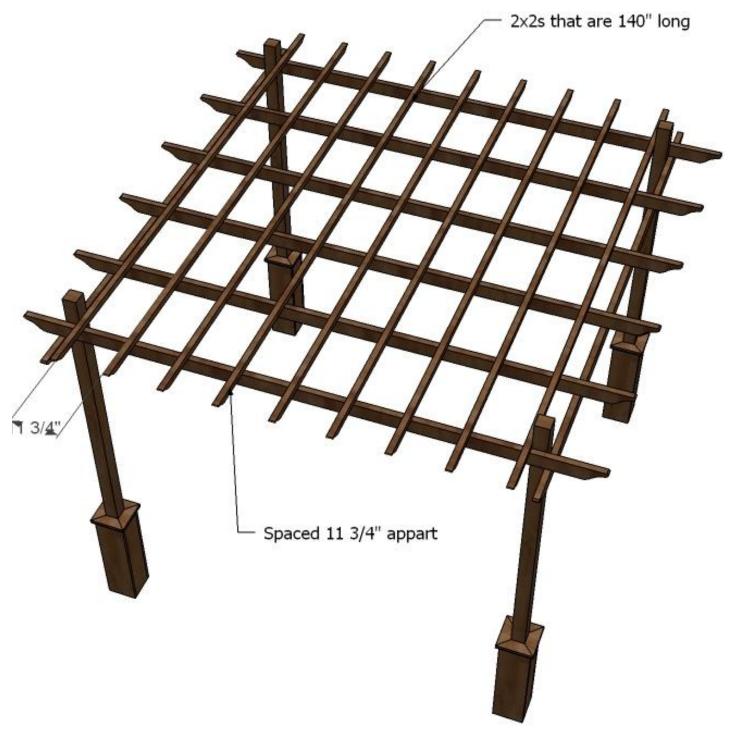




Take a square of the project (see step 1). When diagonals match, rest two more 2x4s on top of the existing 2x4s, to the outsides. Screw to the posts as shown above.

Add the remaining 2x4s spaced 22" apart, using either brackets, pocket hole screws, or long screws carefully predrilled and countersunk from the top.

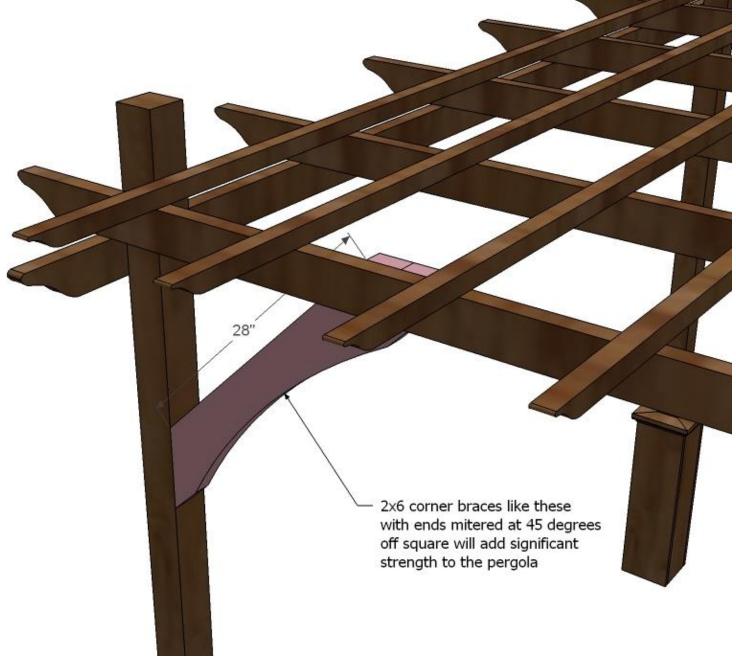




Space out the final 2x2s and screw to the 2x4s and to the 4x4 post (when present) with 3" exterior wood screws and glue. Make sure you fasten to all the 2x4s for the most support.



Cut corner braces and screw on.



Finishing Instructions

Fill all holes with wood filler and let dry. Apply additional coats of wood filler as needed.

When wood filler is completely dry, sand the project in the direction of the wood grain with 120 grit sandpaper. Vacuum sanded project and work station to remove sanding residue. Wipe project clean with damp cloth.

Finish with paint, stain, polyurethane or other method you prefer.