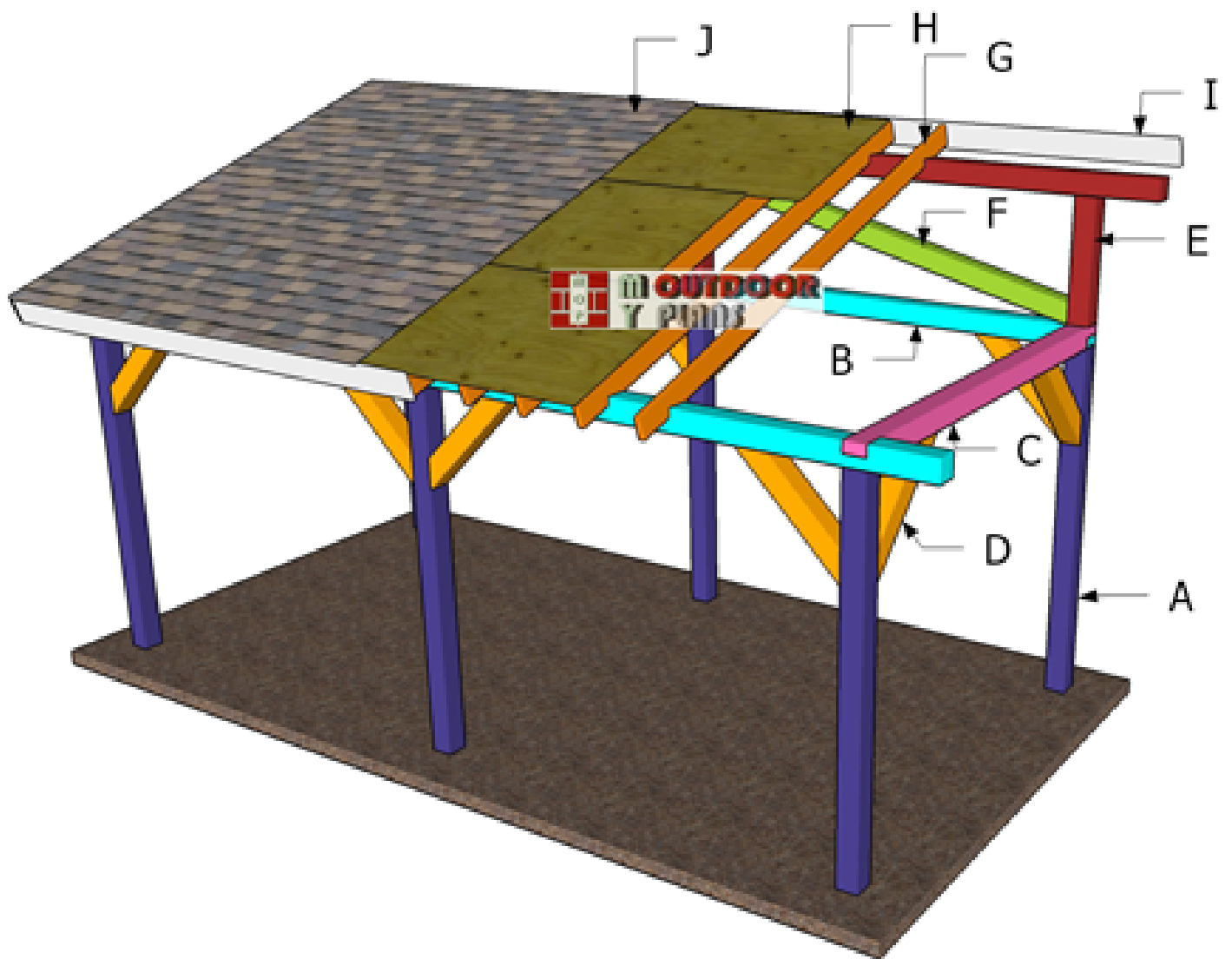


10X20 LEAN TO PAVILION

© MyOutdoorPlans.com





MORE PLANS AT:

MYOUTDOORPLANS.COM/SHOP

MATERIALS LIST

PIECES

| | |
|-----------------------------------|--------------|
| 6x6 lumber - 8 ft | 6 pieces |
| 6x6 lumber - 10 ft | 12 pieces |
| 6x6 lumber - 12 ft | 4 pieces |
| 2x6 lumber - 12 ft | 18 pieces |
| 1x8 lumber - 8 ft | 2 pieces |
| 1x8 lumber - 10 ft | 1 piece |
| 1x8 lumber - 12 ft | 4 pieces |
| 1/2" plywood - 4'x8' | 9 pieces |
| Tar Paper & Asphalt Shingles | 300 sq ft |
| 6x6 Post Anchors | 6 pieces |
| 16" diameter tube form | 6 pieces |
| Concrete | Several Bags |
| Stain | 4 cans |
| Post to Beam Connector 6x6 lumber | 3 pieces |
| L brackets 6x6 lumber | 6 pieces |
| Rafter ties | 36 pieces |
| 1 5/8" screws | 500 pieces |
| 8" screws | 30 pieces |
| 5 1/2" screws | 48 pieces |
| 2" nails | 200 pieces |
| 1 1/2" structural screws | 2 boxes |
| 2 1/2" structural screws | 1 box |
| Drip edge | 80 ft |
| Staples for tar paper | 1500 pieces |
| 3/4" Roofing Nails | 1500 pieces |

CUT LIST

| | PIECES |
|---|-----------|
| A - Posts - 6x6 lumber 8' long | 6 pieces |
| B - Plates - 6x6 lumber 136" long | 2 pieces |
| B - Plates - 6x6 lumber 10' long | 2 pieces |
| C - Plates - 6x6 lumber 10' long | 3 pieces |
| D - Braces - 6x6 lumber 36" long | 12 pieces |
| E - Supports - 6x6 lumber 32 3/4" long | 3 pieces |
| E - Ridge Beam - 6x6 lumber 136" long | 2 pieces |
| F - Braces - 6x6 lumber 116 1/4" long | 2 pieces |
| G - Rafters - 2x6 lumber 12' long | 18 pieces |
| H - Roof - 1/2" plywood 48"x96" | 6 pieces |
| H - Roof - 1/2" plywood 48"x80" | 3 pieces |
| I - Trims - 1x8 lumber 49 1/2" long | 2 pieces |
| I - Trims - 1x8 lumber 8' long | 2 pieces |
| I - Trims - 1x8 lumber 12' long | 2 pieces |
| I - Trims - 1x8 lumber 128" long | 2 pieces |
| J - Roofing - asphalt shingles & tar paper | 300 sq ft |

Tools

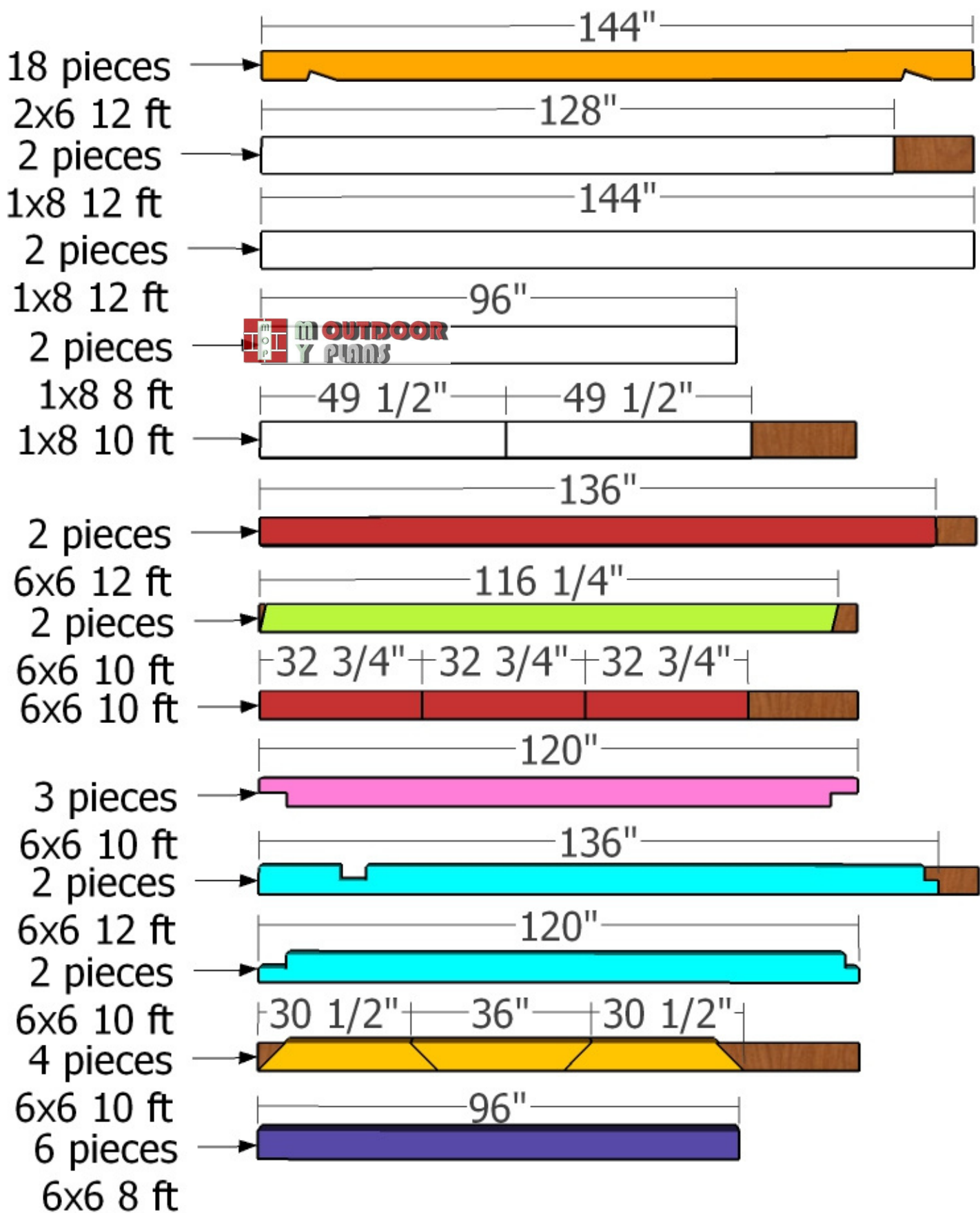
- Miter Saw
- Drill
- Orbital Sander
- Wheelbarrow, Shovel
- Spirit level, Chisel
- Tape Measure, Pencil, Square, Brush
- Safety Glasses, Hearing Protection

Time

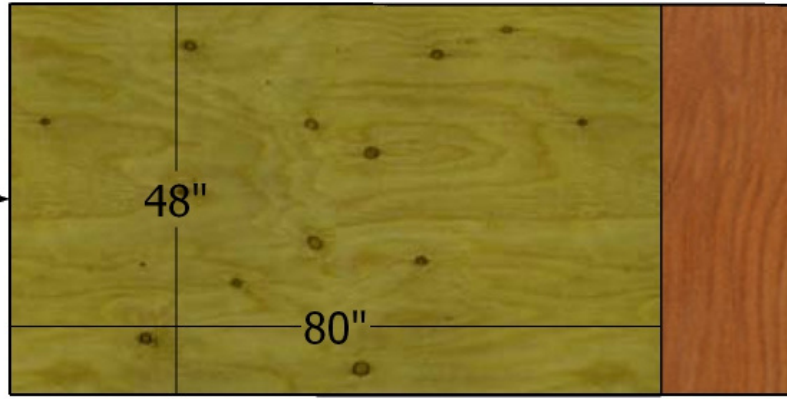
- 1 week

Cost Estimate

- \$1500

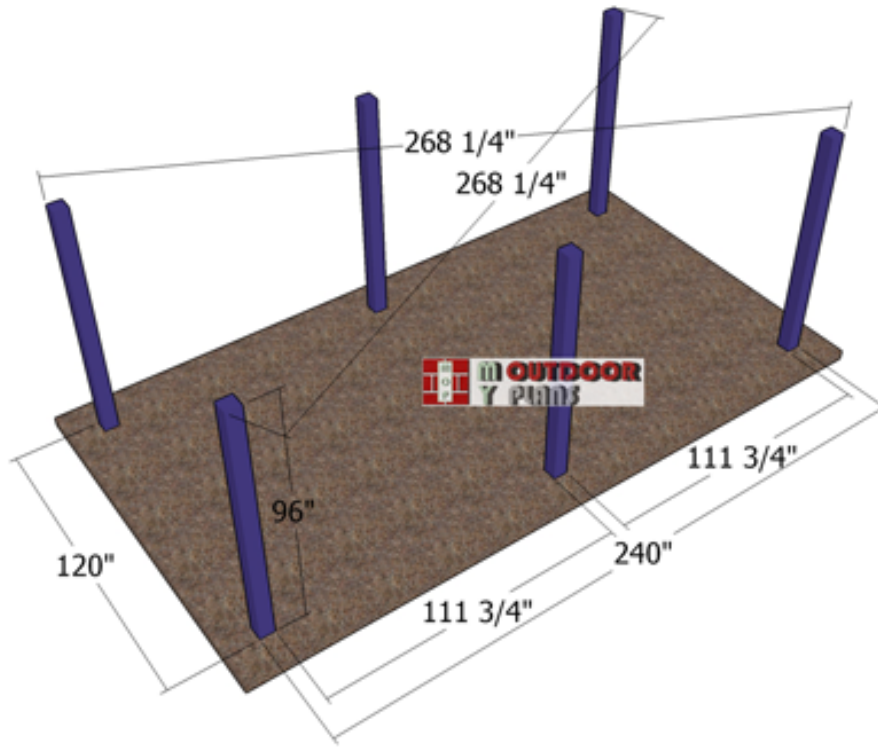


3 pieces
1/2" plywood 4'x8'



6 pieces
1/2" plywood 4'x8'





1

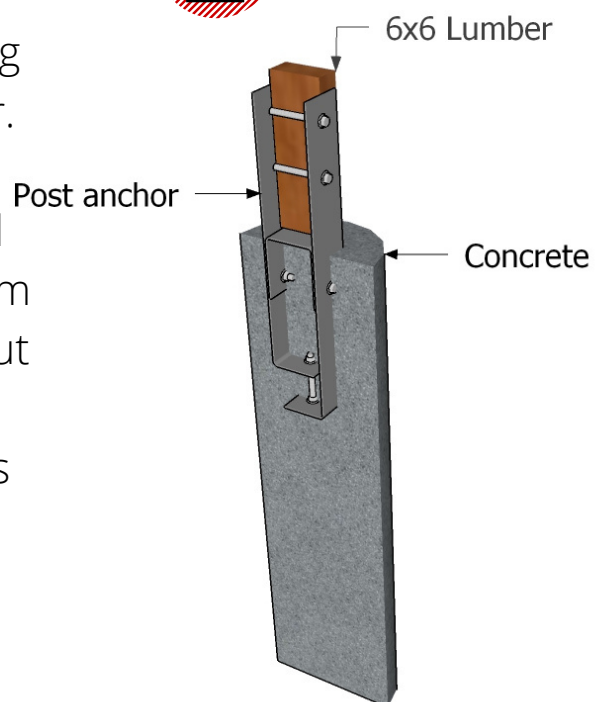
First, layout the posts for the 10x20 pavilion. Use batter boards and string to determine the location of the posts. Apply the 3-4-5 rule to every corner of the pavilion, so you make sure they are right angled. Make sure the diagonals are equal. Determining the location for the pavilion is essential, as you have to comply with the local building codes. Make sure the surface is level and remove the vegetation layer.

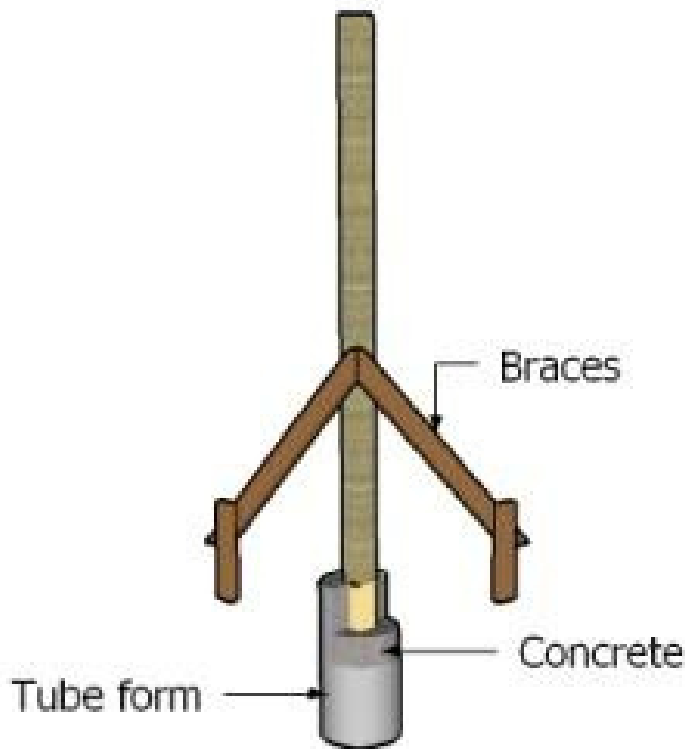
2

Dig 3 ft holes into the ground, making sure they have about 16" in diameter.

Fit the tubes into the ground and plumb them with a spirit level. Install the anchors in concrete and align them with attention. Let the concrete dry out for several days.

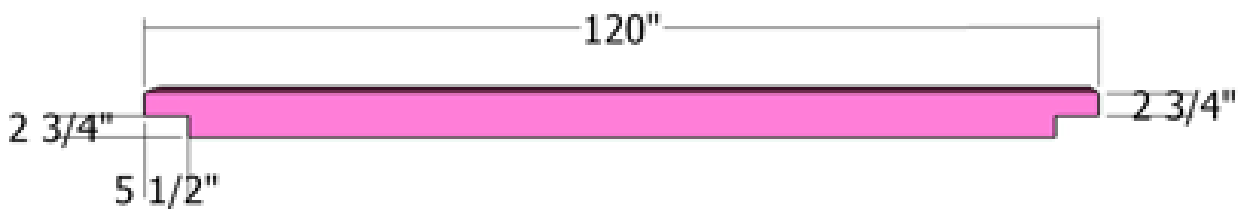
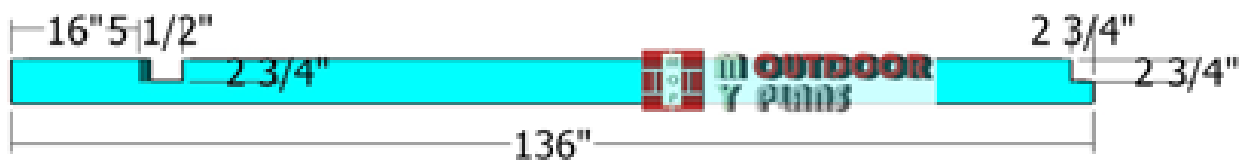
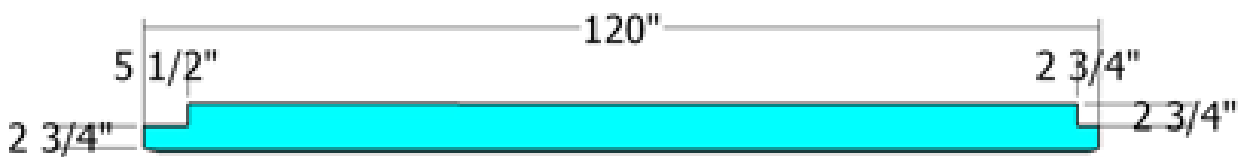
Read the local codes for more details on how to secure the posts.





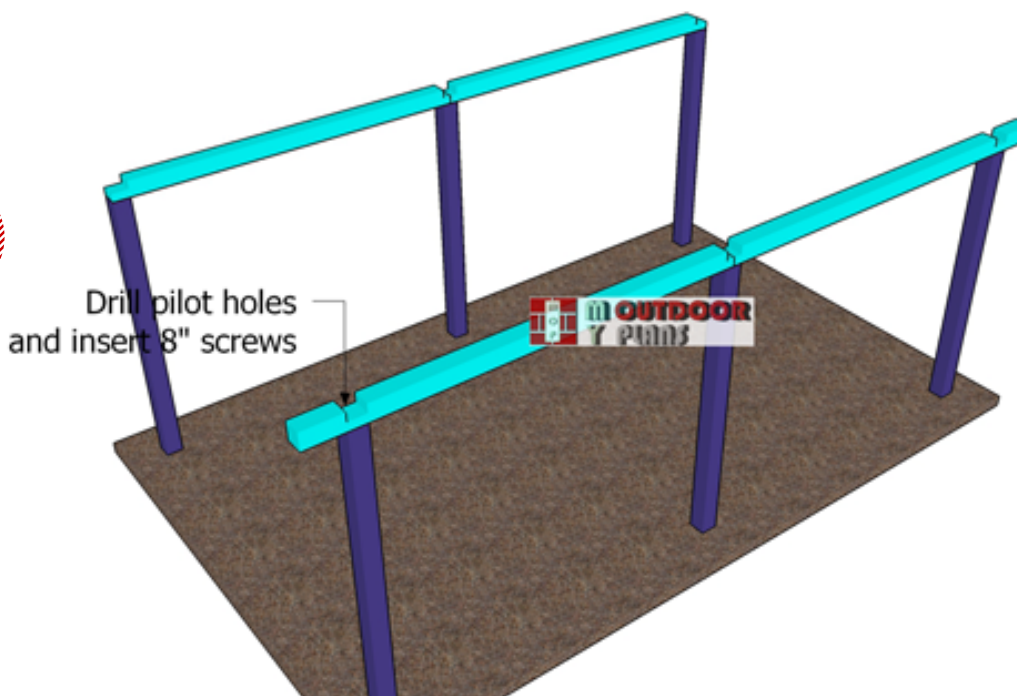
Use lag screws to secure the posts to the anchors. Make sure the top of the posts are horizontal one to another. Use braces to lock the posts into place. Use a laser to mark the level to the top of the posts and use a circular saw, if you need to make cuts.

3



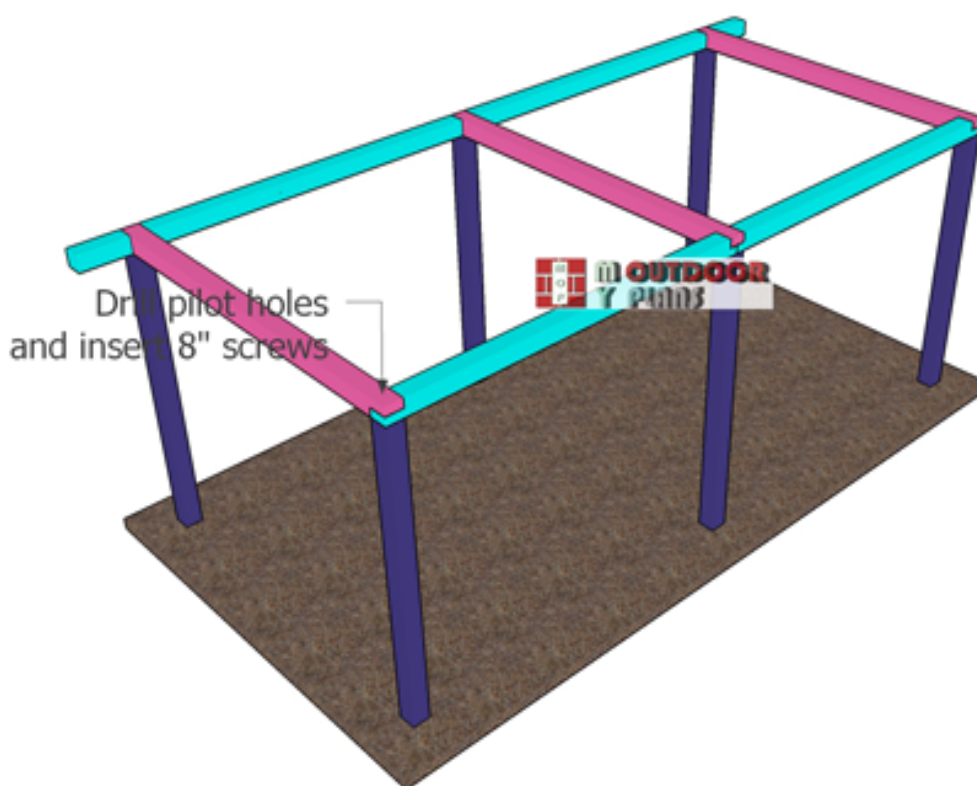
Use 6×6 lumber for the top rails. Mark the cut lines on the beams and then make the cut outs with a circular saw and a chisel. Set the circular saw at 2 3/4" and then make parallel cuts inside the marked areas. Clean the recess with a chisel and sandpaper.

4

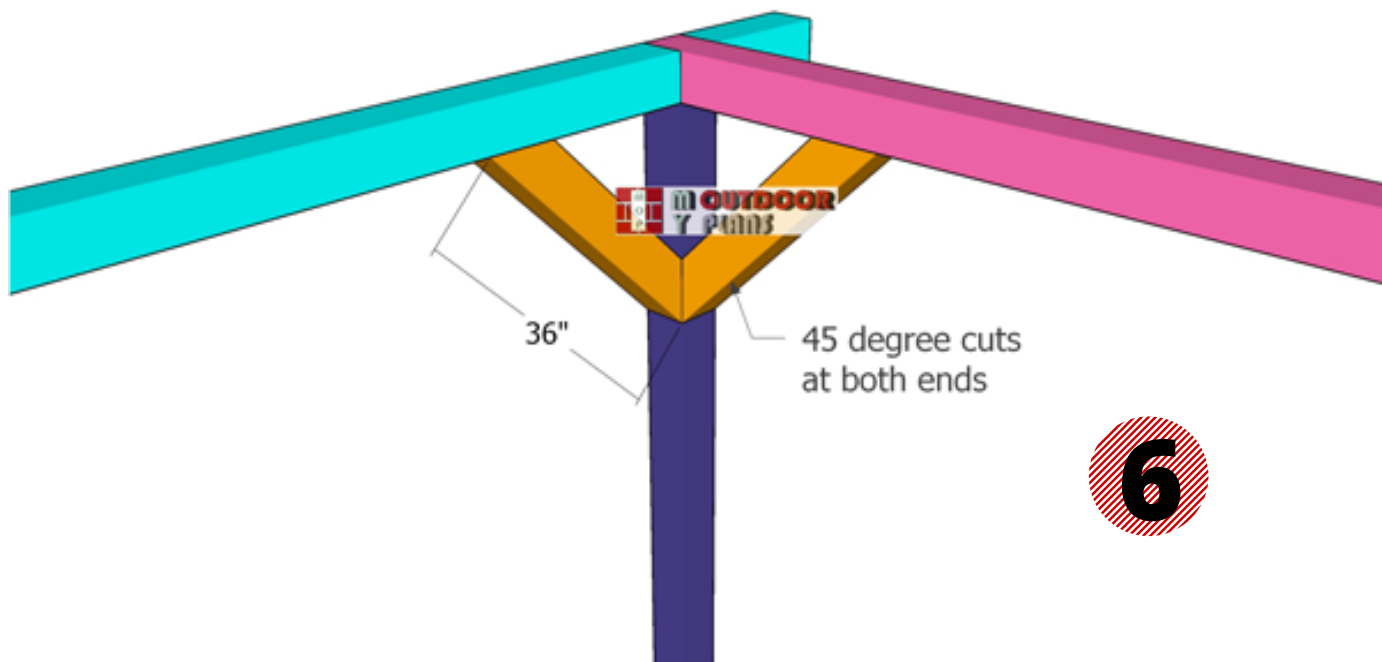


Fit the top rails to the sides of the pavilion. Notice the 16" overhangs to the front and back of the pavilion. Drill pilot holes through the plates and insert 8" screws to lock them to the posts. Use 2 screws for each joint. Make sure the corners are square and plumb the posts vertically.

5

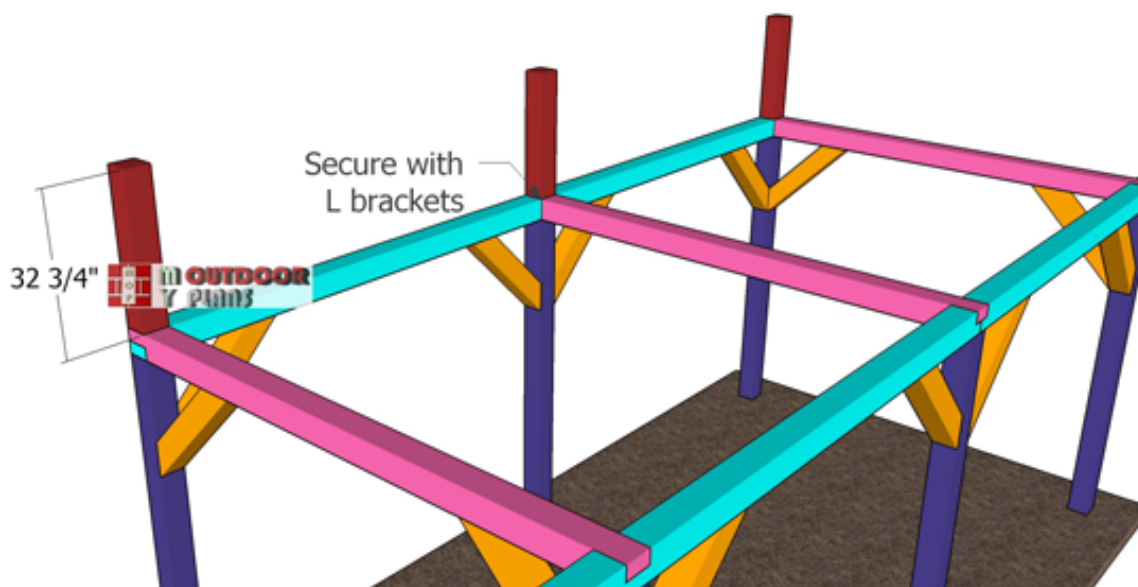


Fit the cross plates to the pavilion. Align the edges flush and drill pilot holes. Insert the 8" screws to lock the cross plates into place tightly.

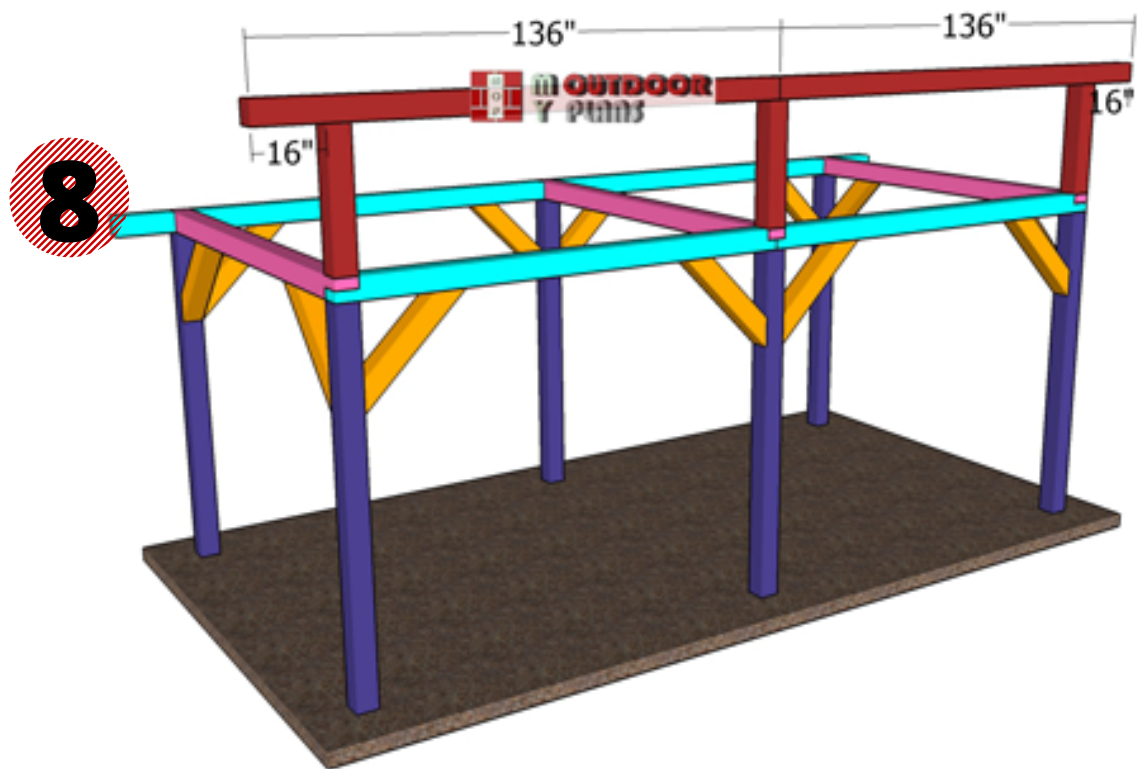


Build the braces for the base of the pavilion from 6×6 lumber. Use a miter saw to make 45 degree cuts to both ends of the braces. Fit the braces to the posts, after you plumb them vertically. Drill pilot holes and insert 5 1/2" screws to secure the braces into place tightly (2 for each joint).

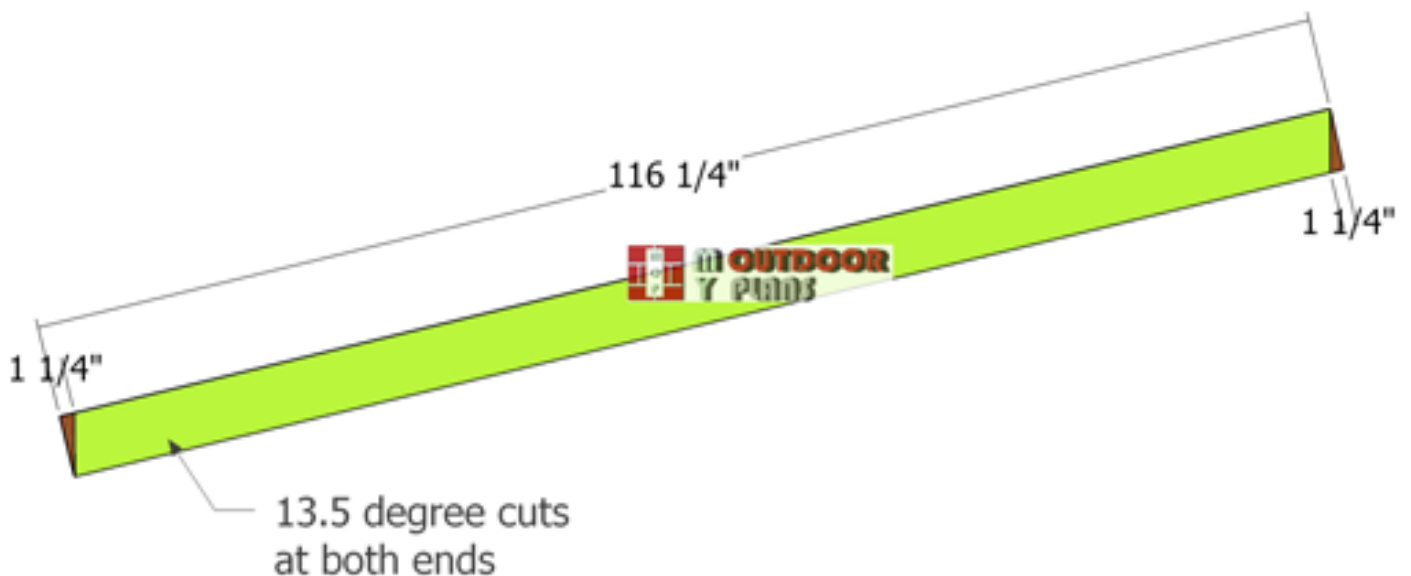
7



Fit the 6×6 supports to the top of pavilion. Plumb the supports with a spirit level. Use 2 L brackets and 2 1/2" structural screws to lock them to the framing.

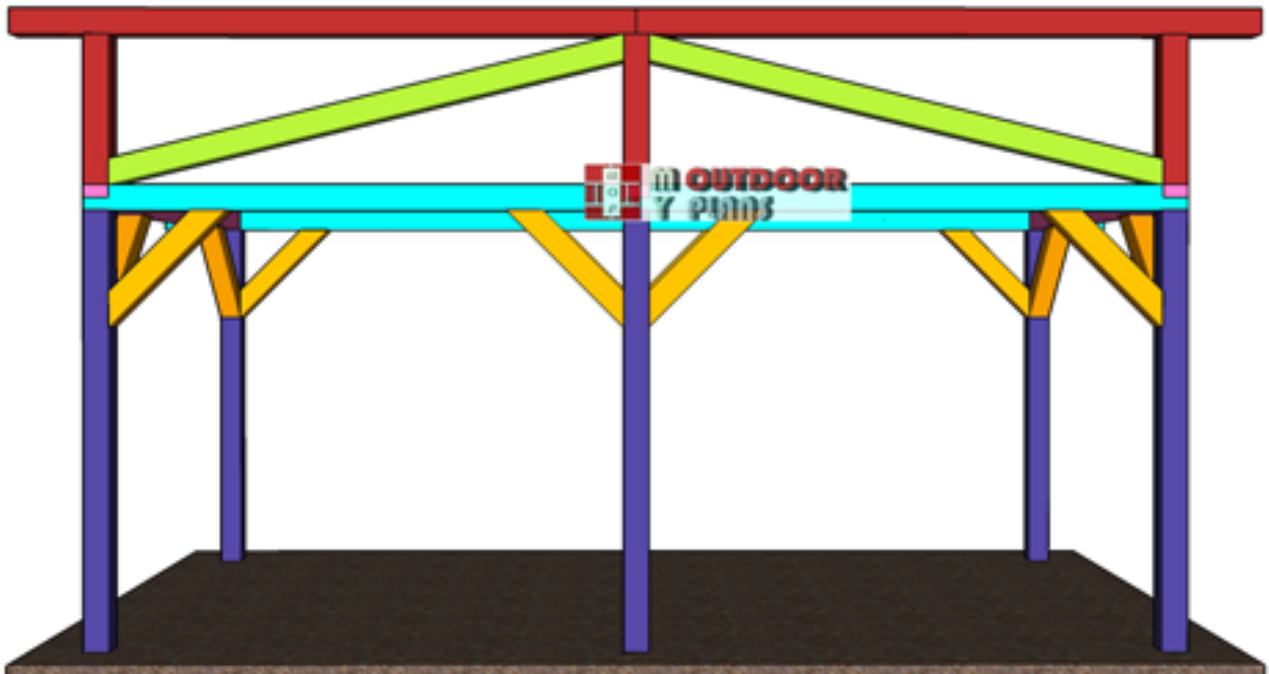


Fit the ridge beams to the supports with post to beam connectors. Make sure the corners are square. Center the supports to the beams. Use 2 1/2" structural screws to lock the connectors into place.



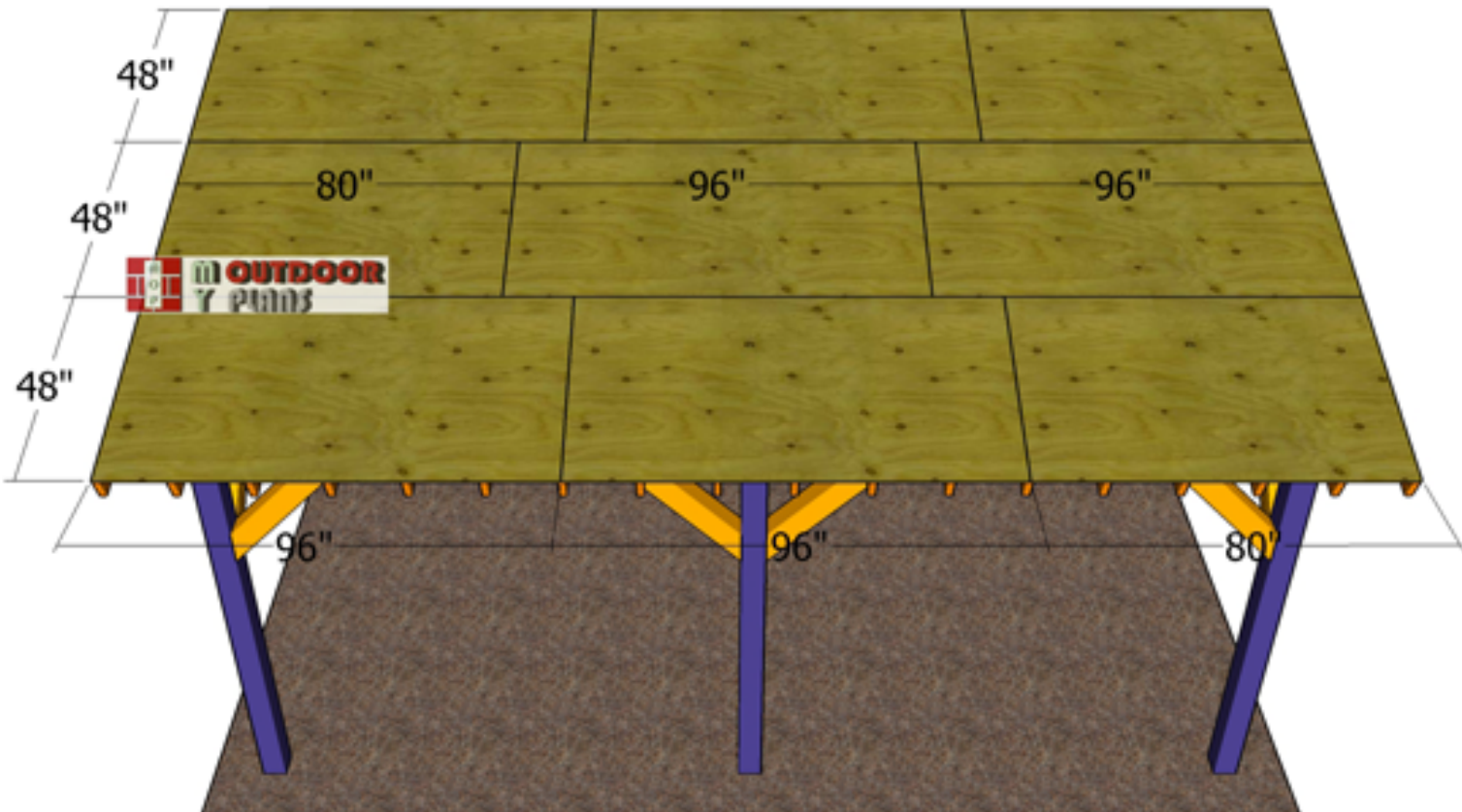
Use 6x6 lumber for the top diagonal braces. Make 13.5 degree cuts at both ends of the braces. Secure the braces into place with 5 1/2" screws. Drill pilot holes before inserting the screws.

9

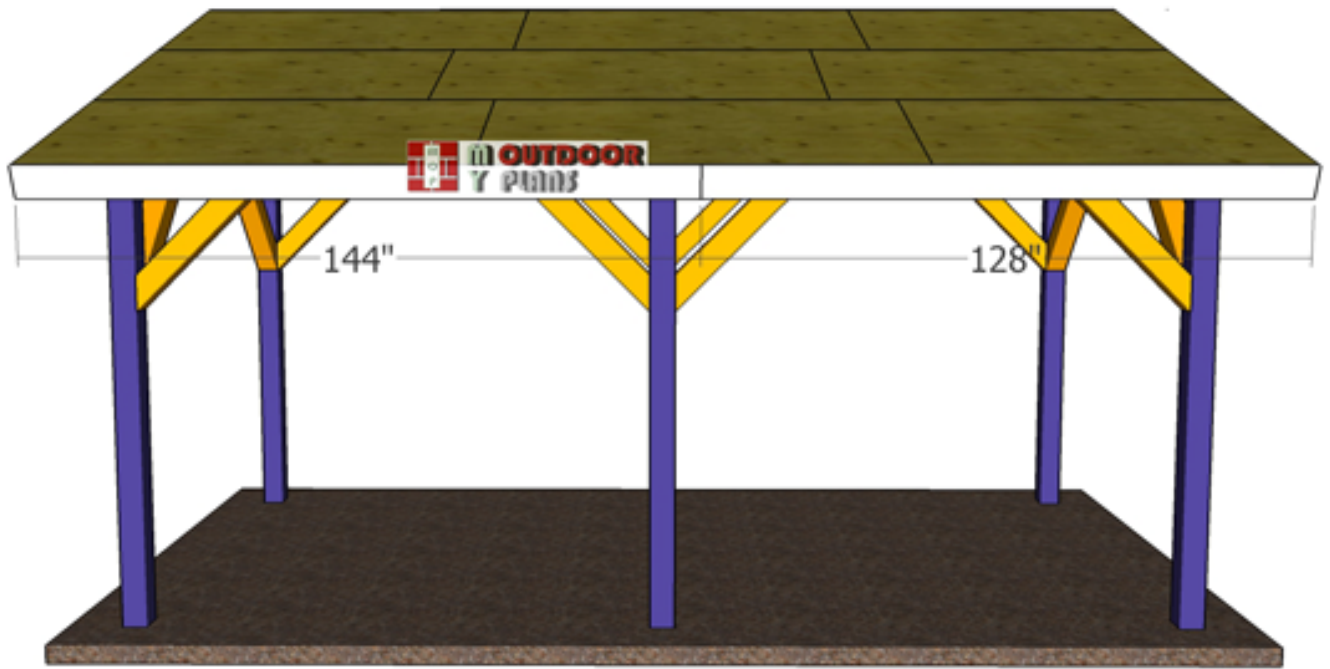


Fit the 6x6 braces to the ridge beam structure. Drill pilot holes through the braces and lock them into place with 5 1/2" galvanized screws.

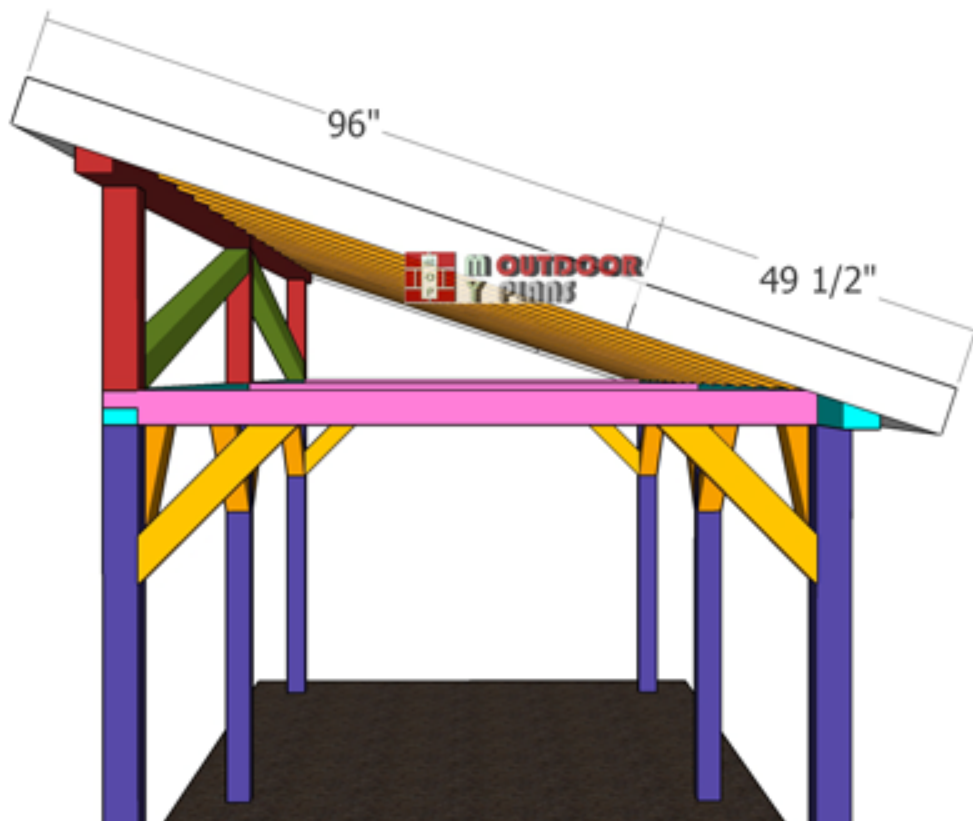
12



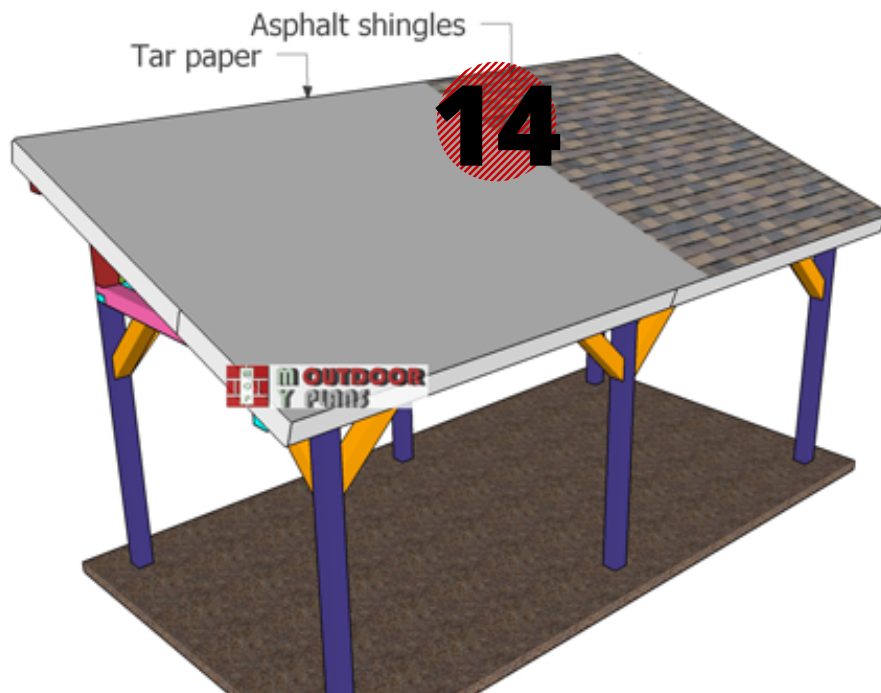
Use 1/2" plywood for the roof of the pavilion. Cut the sheets at the right dimensions and then lay them to the top of the pavilion. Leave no gaps between the sheets and then insert 1 5/8" screws, every 8" along the rafters, so you can secure them into place tightly.



13



Fit 1×8 trims to the sides of the pavilion. Align the edges with attention and insert 2" nails to lock them into place tightly. Fit the 1×8 trims to the front and back of the pavilion. Lock them into place with 2" nails.



Cover the roof with tar paper and then install the asphalt shingles. Make sure you also install the appropriate drip edges, so you can seal the shed roof. Read the manufacturer's instructions for a tight fit.

15



Last but not least, you need to take care of the finishing touches. Therefore, fill the holes with wood putty and then smooth the surface with 120-220 grit sandpaper. Apply a few coats of paint / stain to enhance the look of the pavilion and to protect them from the elements.



THANK YOU

I would love to see
your project.

To send a few pics

Click HERE

*In no event will MyOutdoorPlans.com or the its legal owners be liable for any loss, damage or injury arising from the use of information on this plan. You assume the full responsibility of your actions. For personal use only.

MORE PLANS AT:

MYOUTDOORPLANS.COM/SHOP