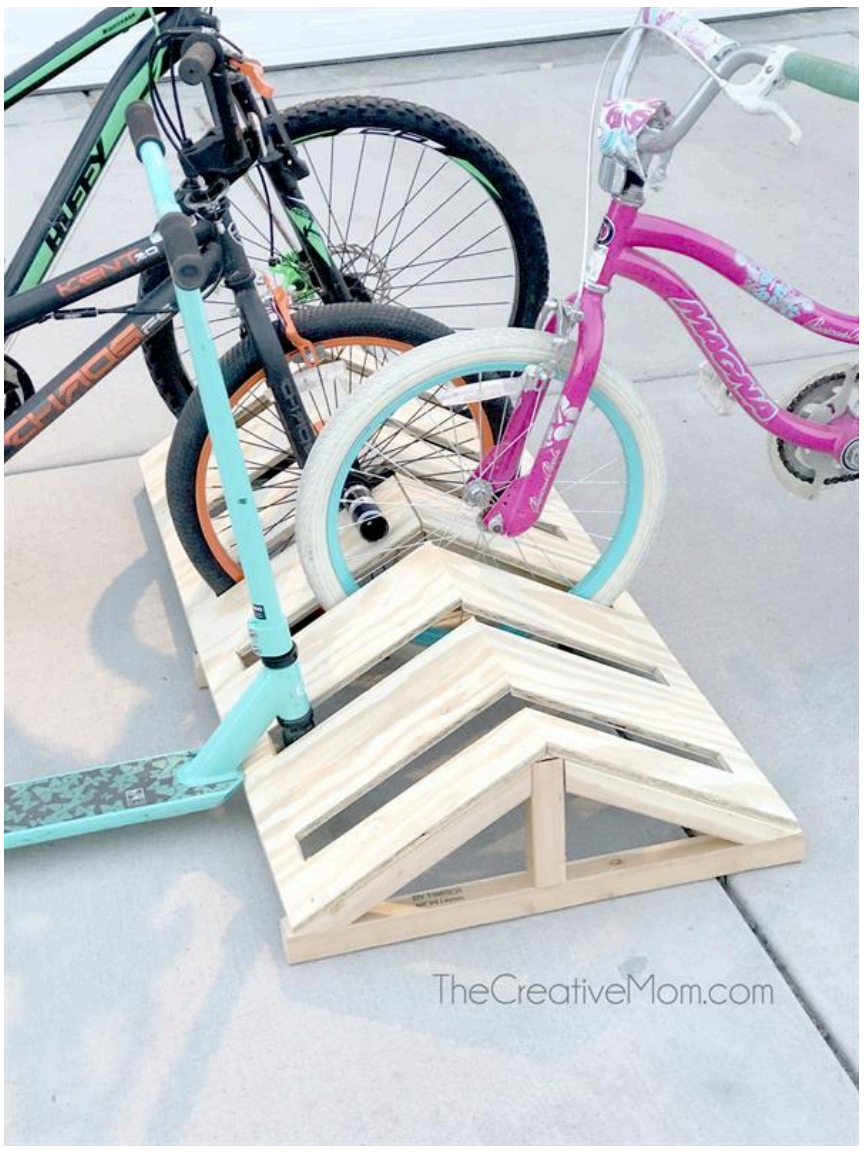
Modern Bike Rack

Difficulty

Easy

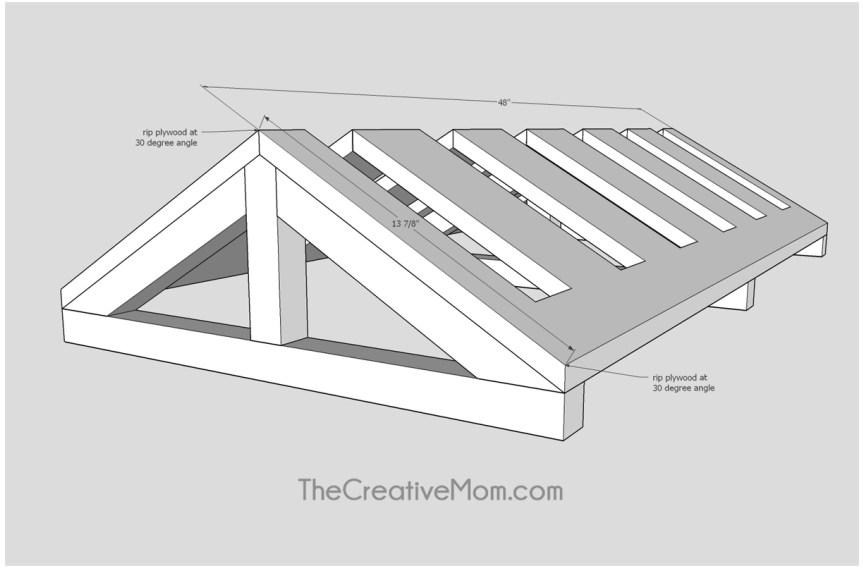
This minimalist bike rack is a modern solution for parking and storing bikes. This is a really quick and simple build. It only takes a couple of hours, basic tools, and about $30 in materials to build.










48"
rip plywood at
30 degree angle
13 7/8"
rip plywood at
30 degree angle
TheCreativeMom.com

Tools

Kreg Tools



Accu-Cut™



Kreg® Pocket-Hole Jig 720

Other Tools

Circular Saw (cordless)

Jigsaw

Tape Measure

Impact Driver

Nail Gun

Materials

Wood Products

2 Board , 2x2 , 96"

1 Plywood , 1/2" Thick , Half Sheet

Hardware & Supplies

30 1 1/4" Pocket Hole Screws

30 1" Brad Nails

1 Wood Glue

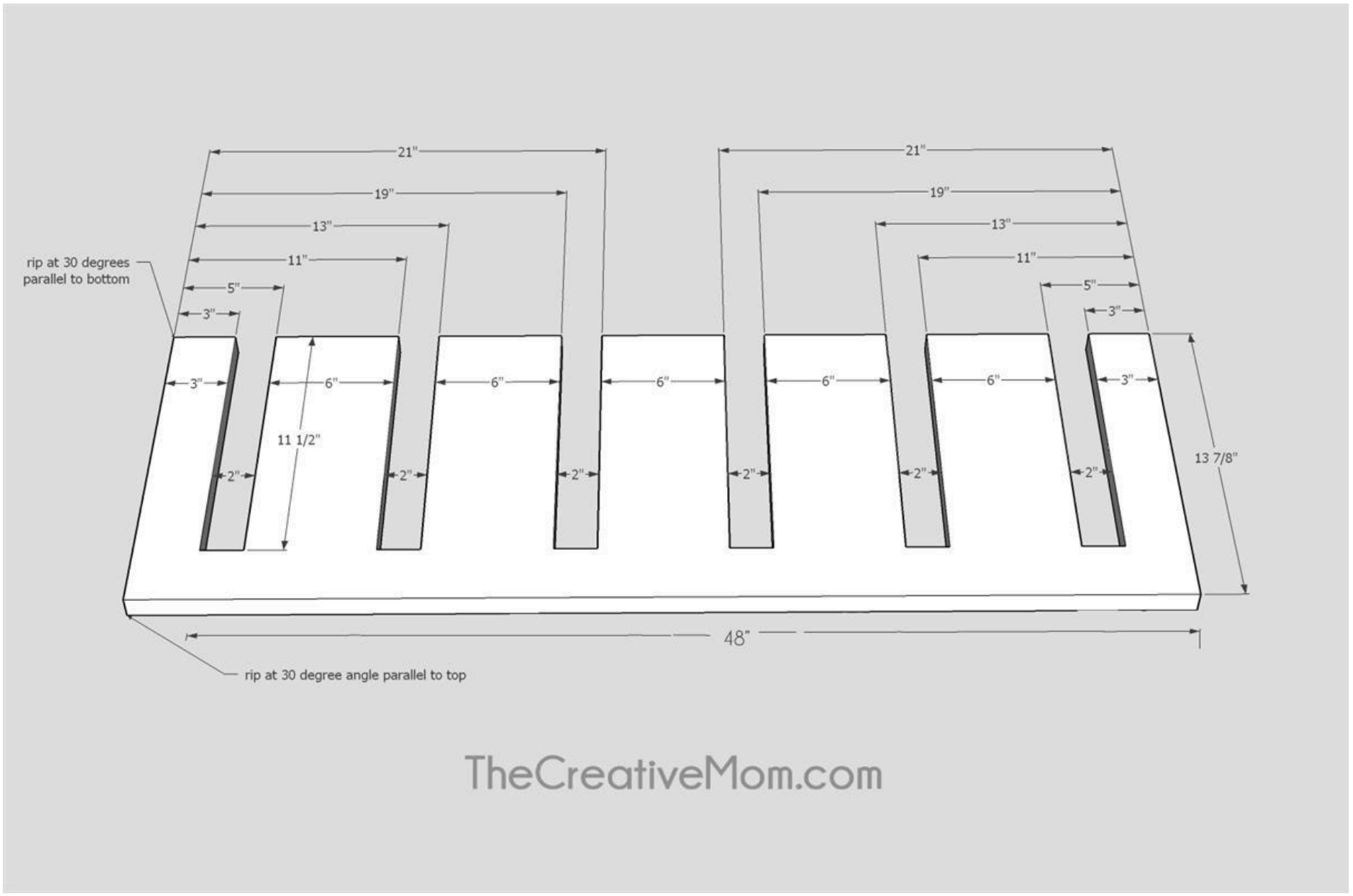
Cut List & Parts

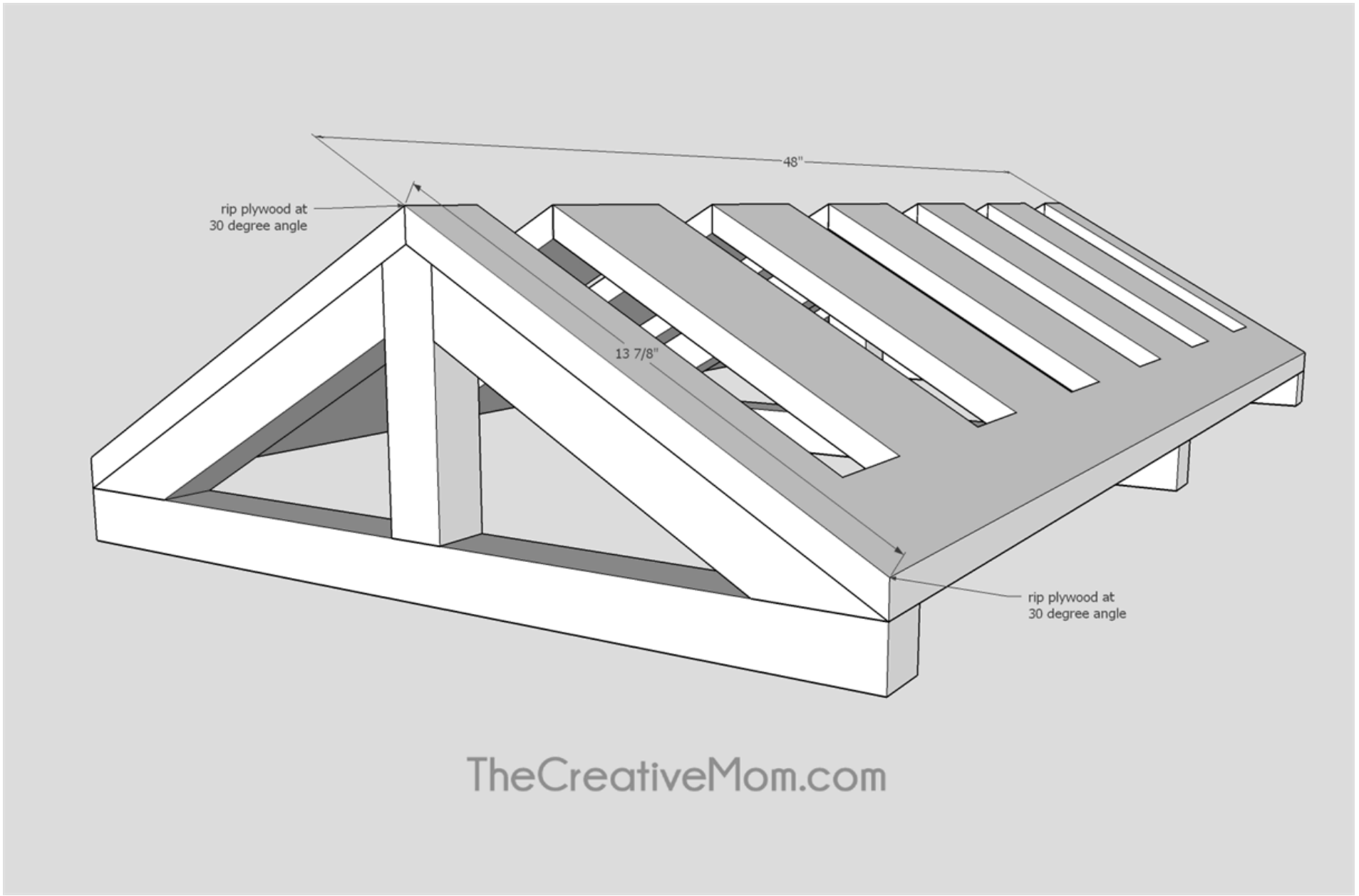
3 Vertical Supports , 7" 2x2's Cut At 30 Degree Point On One End

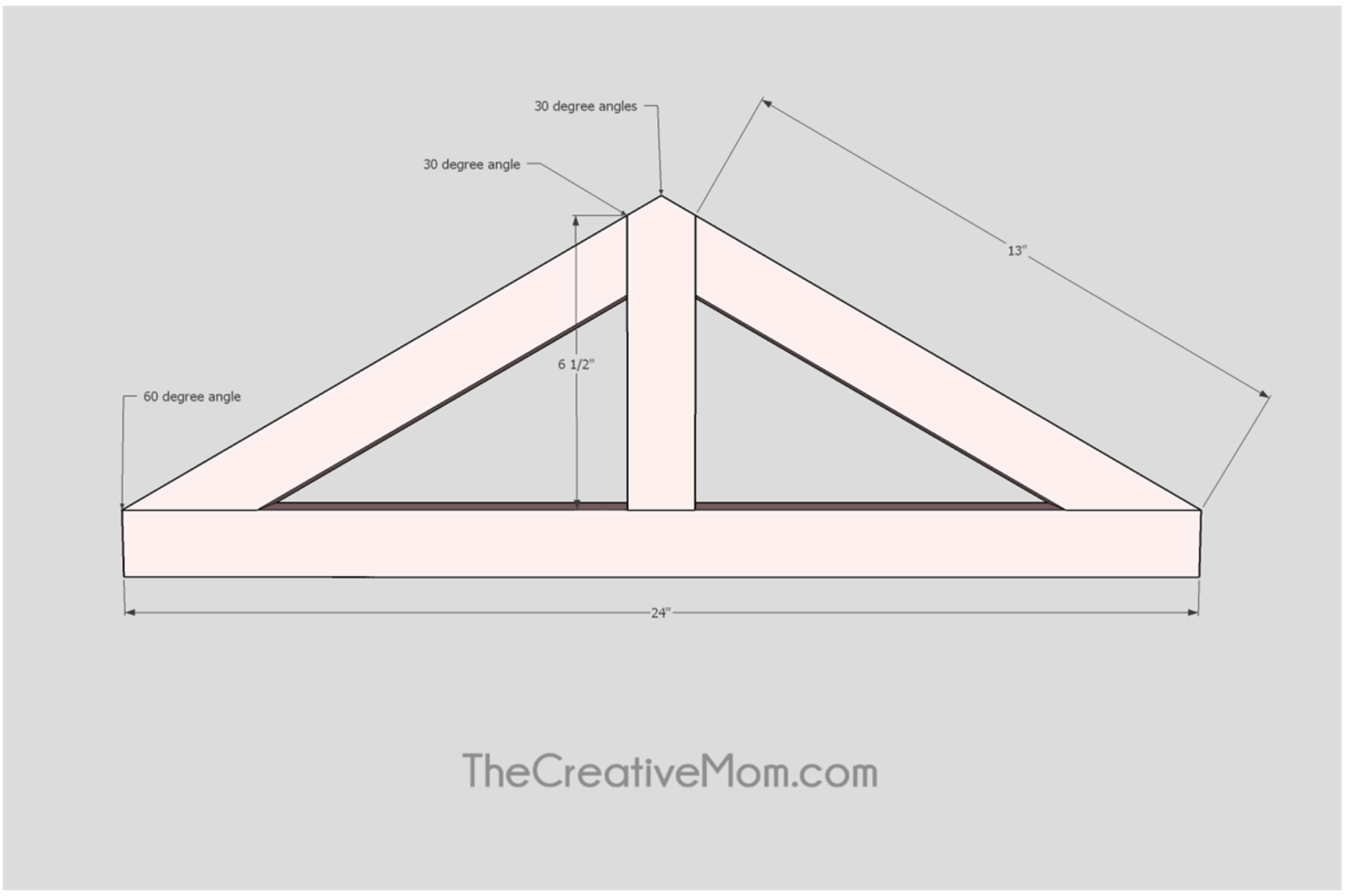
3 Horizontal Supports , 24" 2x2's

6 Diagonal Supports , 13" 2x2's Cut At 30 Degrees On One End And 60 Degrees On The Other End

2 Plywood Sheets , 1/2" Thick, 13 7/8 X 48" Ripped At 30 Degrees




48"
rip plywood at
30 degree angle
13 7/8"
rip plywood at
30 degree angle
TheCreativeMom.com


30 degree angles
30 degree angle
13"
6 1/2"
60 degree angle
24"
TheCreativeMom.com

Directions

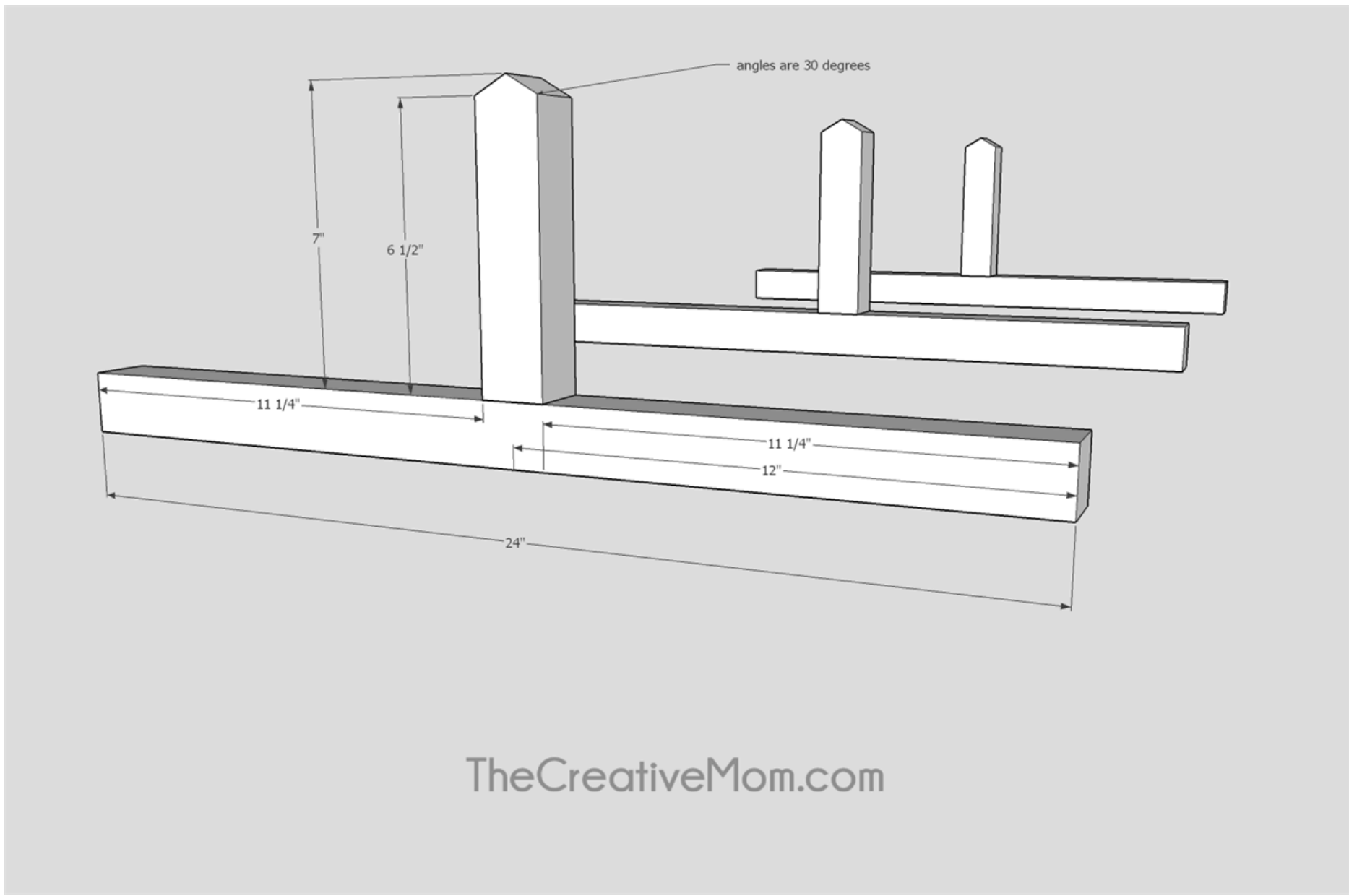
1 Assemble Supports

Cut 3- 24" 2x2's and 3- 7" 2x2's.

The 7" 2x2's will be cut to a point at one end, using 30 degree angles. (see plans).

Use the Kreg Jig to drill pocket holes on the square end of your 7" board. Using wood glue and 1 1/4" pocket hole screws, attach the 7" board to the center of the 24" board.

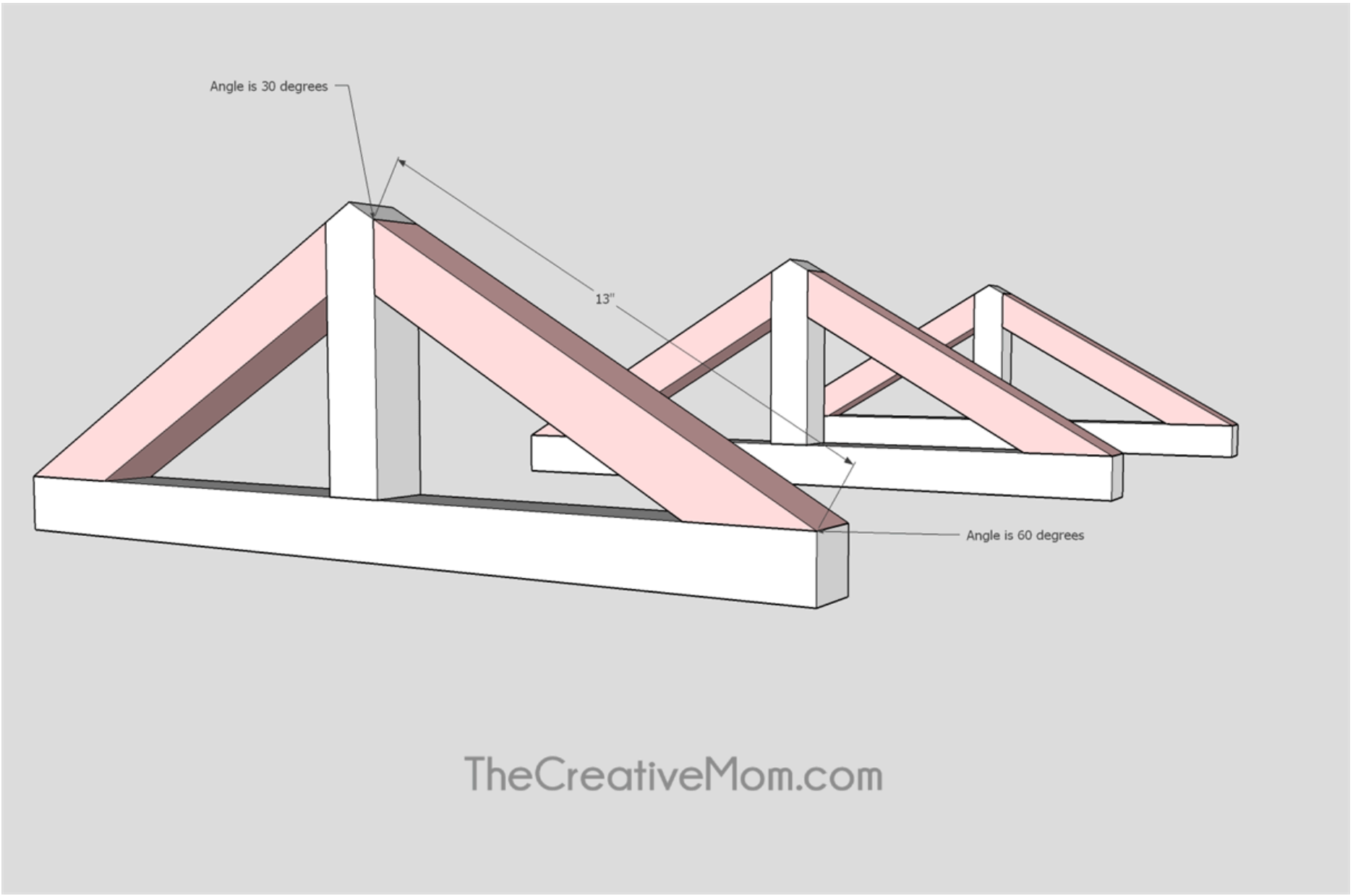
You will need three of these supports.



2 Add Diagonal Supports

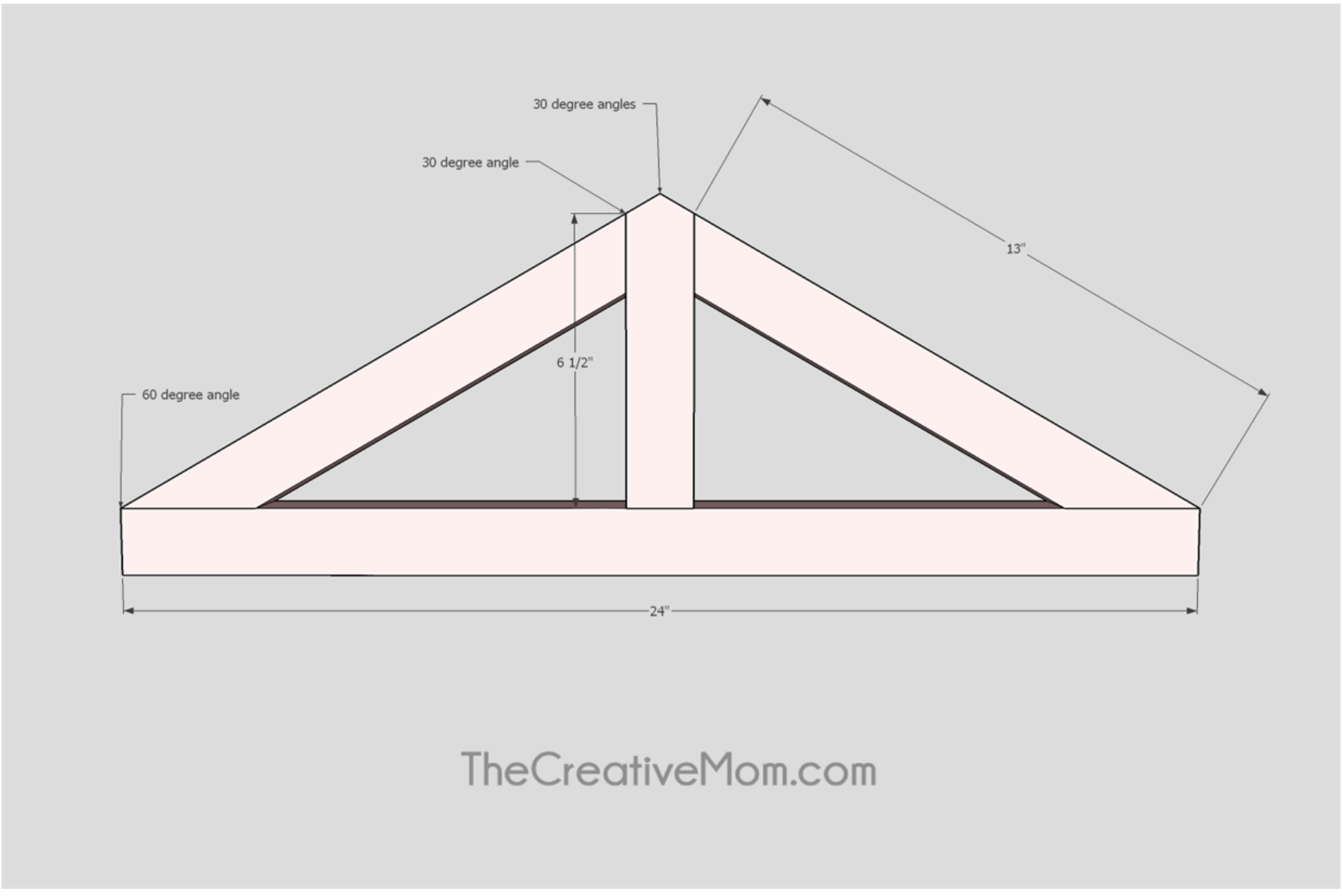
Cut 6- 13" 2x2's. The boards will be cut at 30 degrees on one end and 60 degrees on the other end. (see plans)

Using wood glue and 1 1/4" pocket hole screws, attach these boards to the supports you built in step 1.



3 Finished supports

This image shows what the supports should look like.



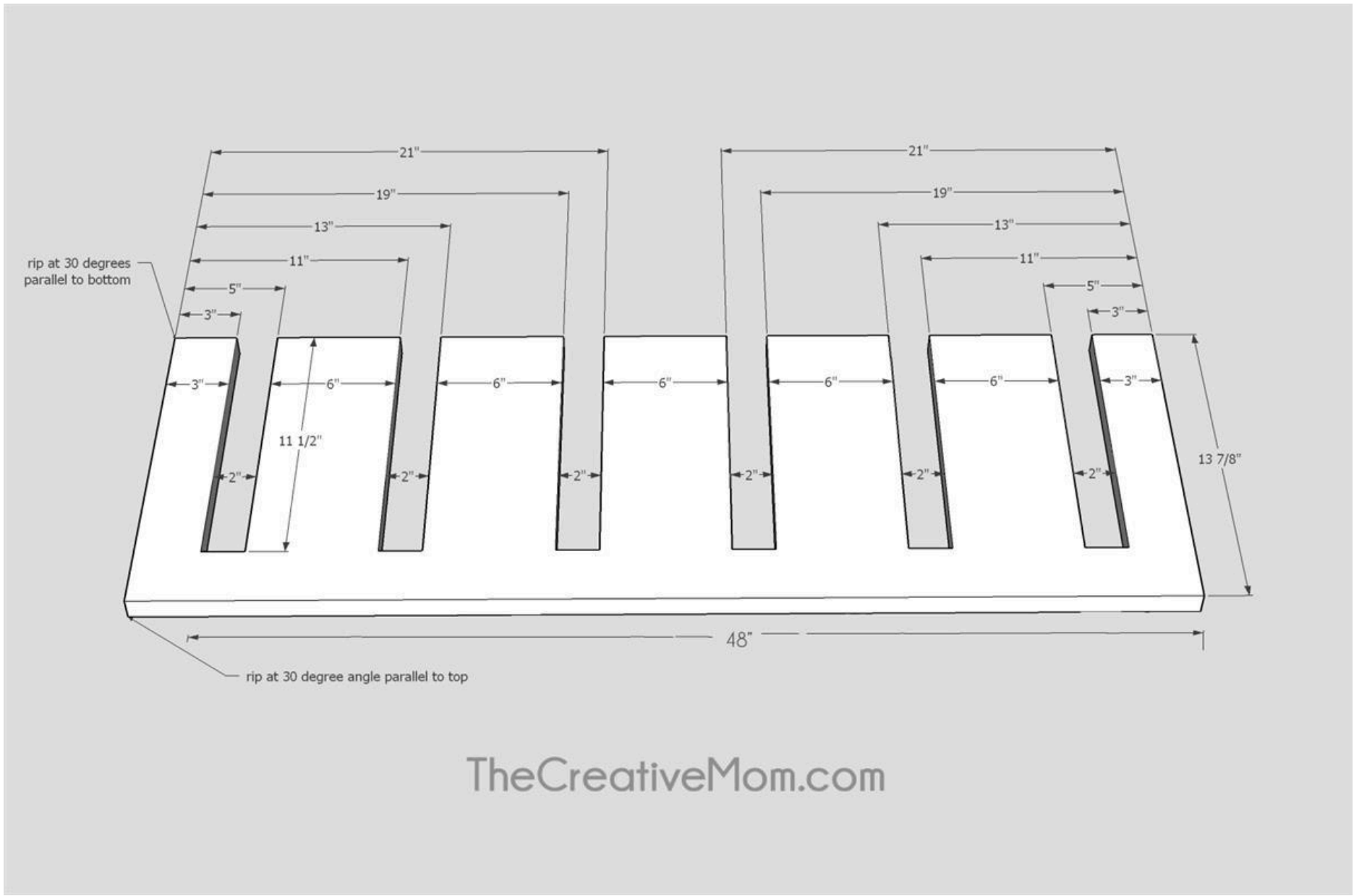
4 Cut Plywood

Use 1/2" thicker plywood. Using the Kreg Rip Cut, rip the plywood at 30 degrees. You will need two sheets- 13 7/8" x 48".

Then, using a jig saw, cut 2" slots into the plywood.

You will cut the slots in 3 inches, and then every 6 inches.

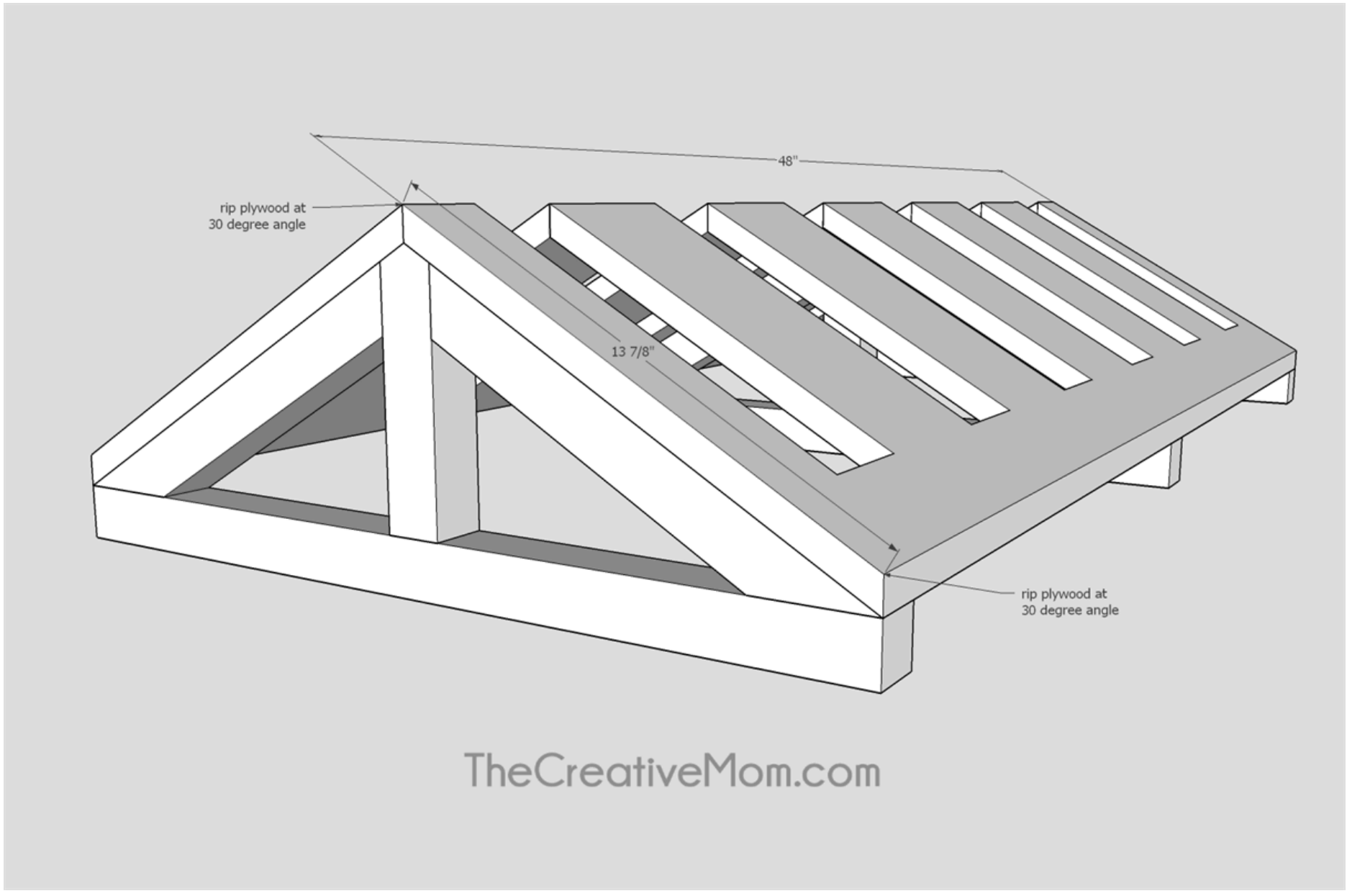
See the cut diagram in the plans for the measurements.



5 Attach Plywood

Using wood glue and brad nails, attach the plywood to the supports- one support on each end and one in the middle.

Make sure the plywood sheets fit up against each other snug at the peak.



6 Finish Wood

You can leave the bike rack as it is, or you can go ahead and sand the rack, then stain, paint, or polyurethane to finish.

