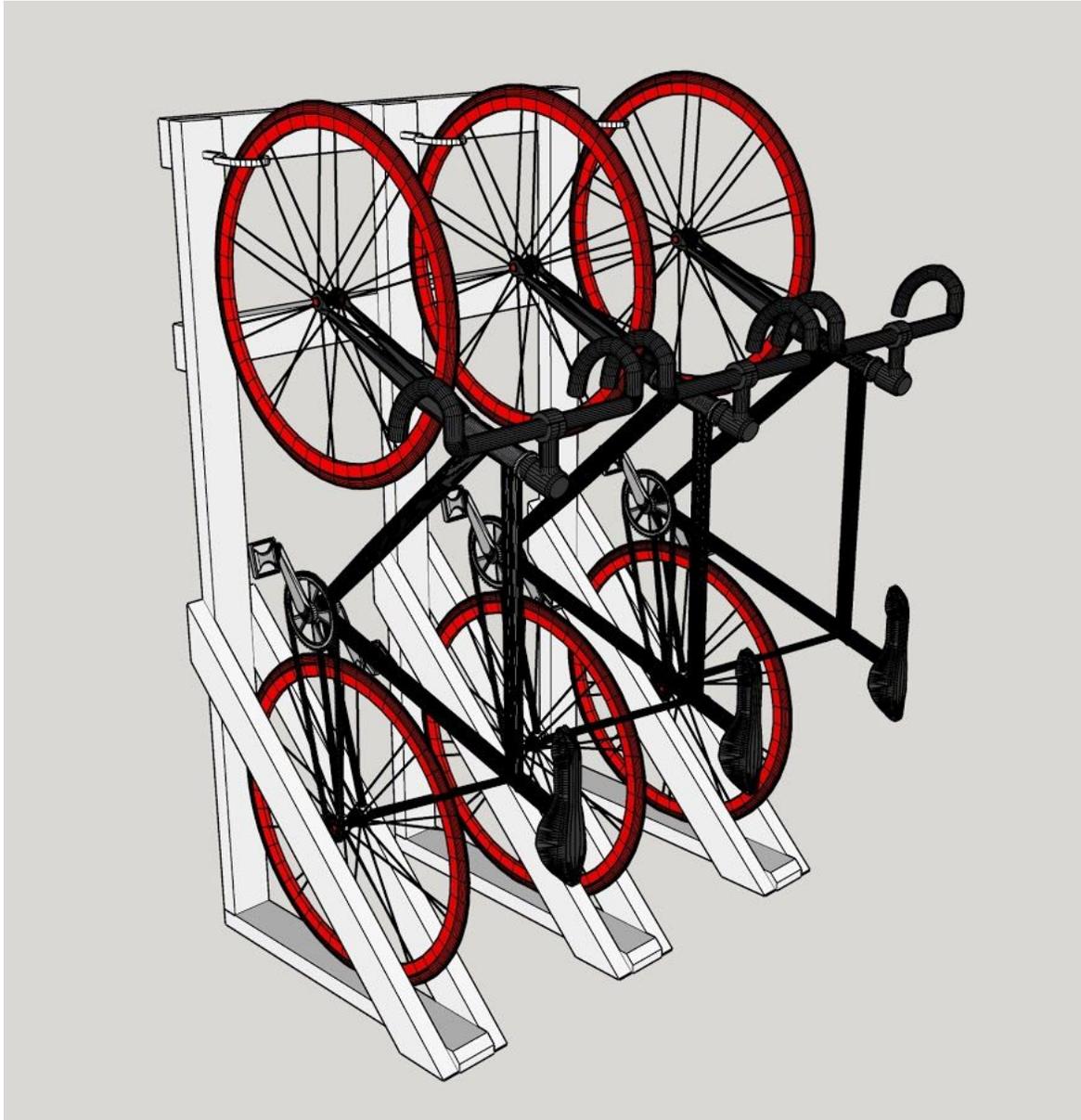


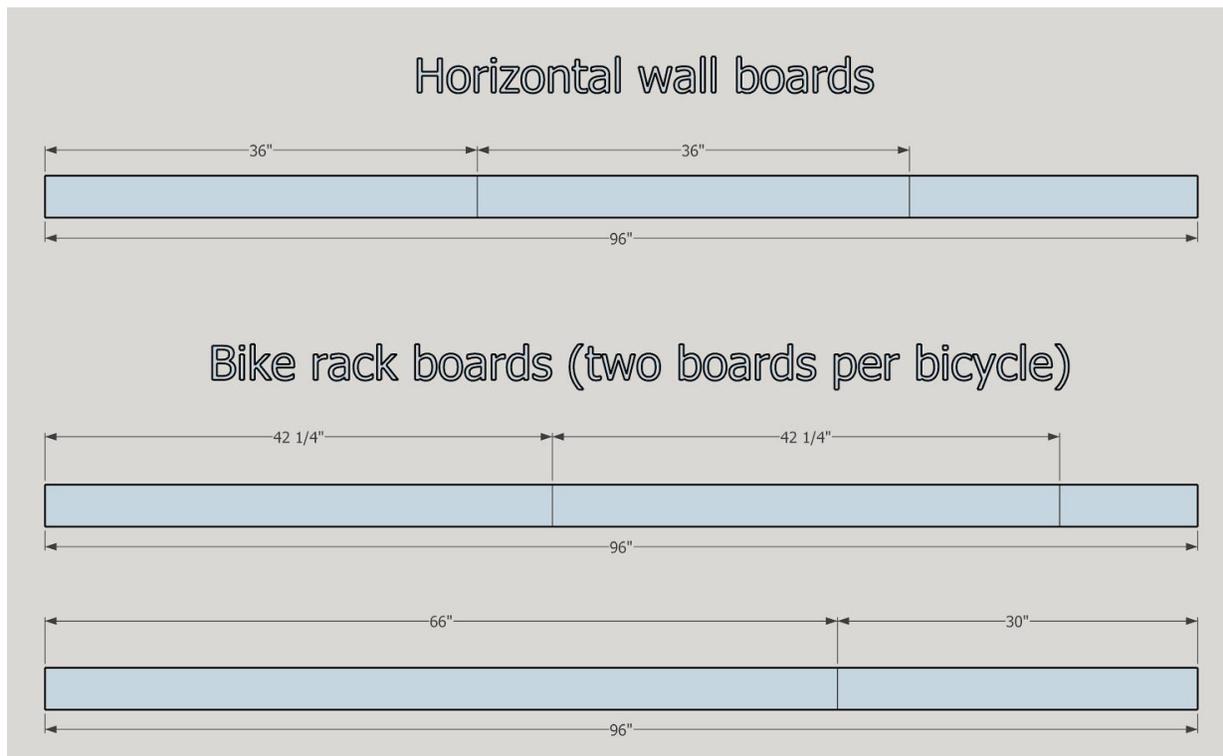
Wall Mount Bike Rack
Plans by The Handyman's Daughter™
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Materials Needed - [See tutorial for links to sources](#)

- Two 8 foot 2x4 boards per bicycle, plus one extra for the wall
- 3" construction screws
- Miter saw, circular saw or miter box
- Bicycle hooks
- Level
- Stud finder
- Drill
- Speed square
- Clamps

Cut List - all are 2x4 boards

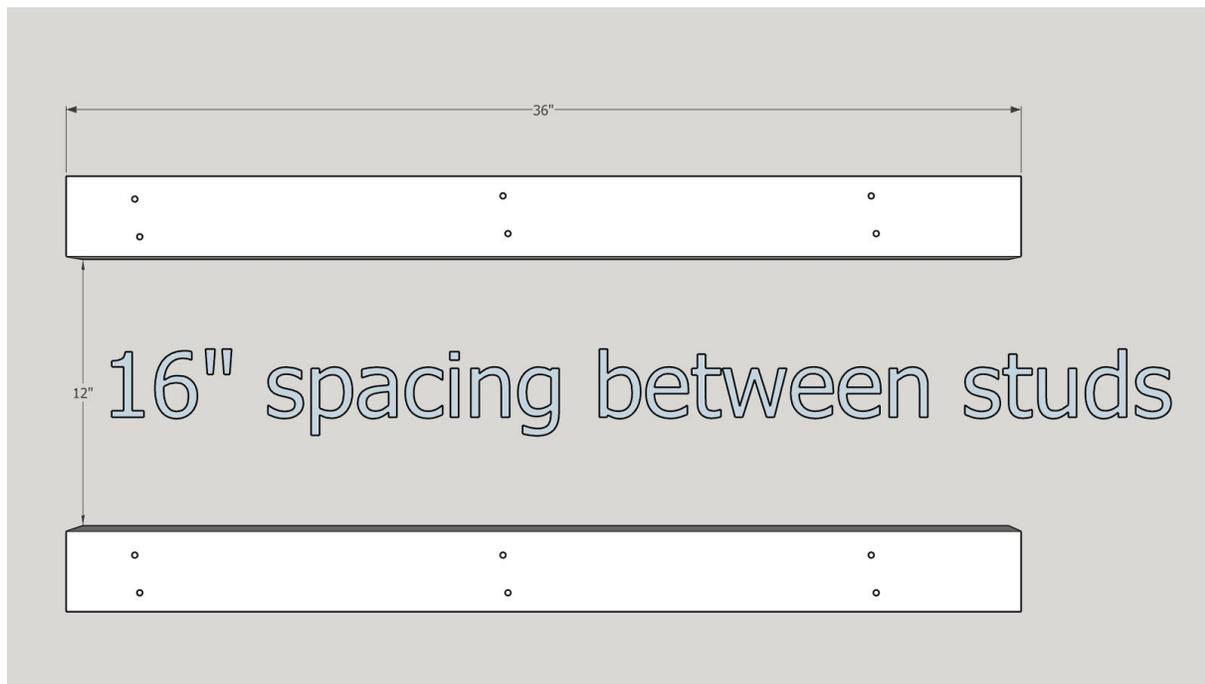


Instructions

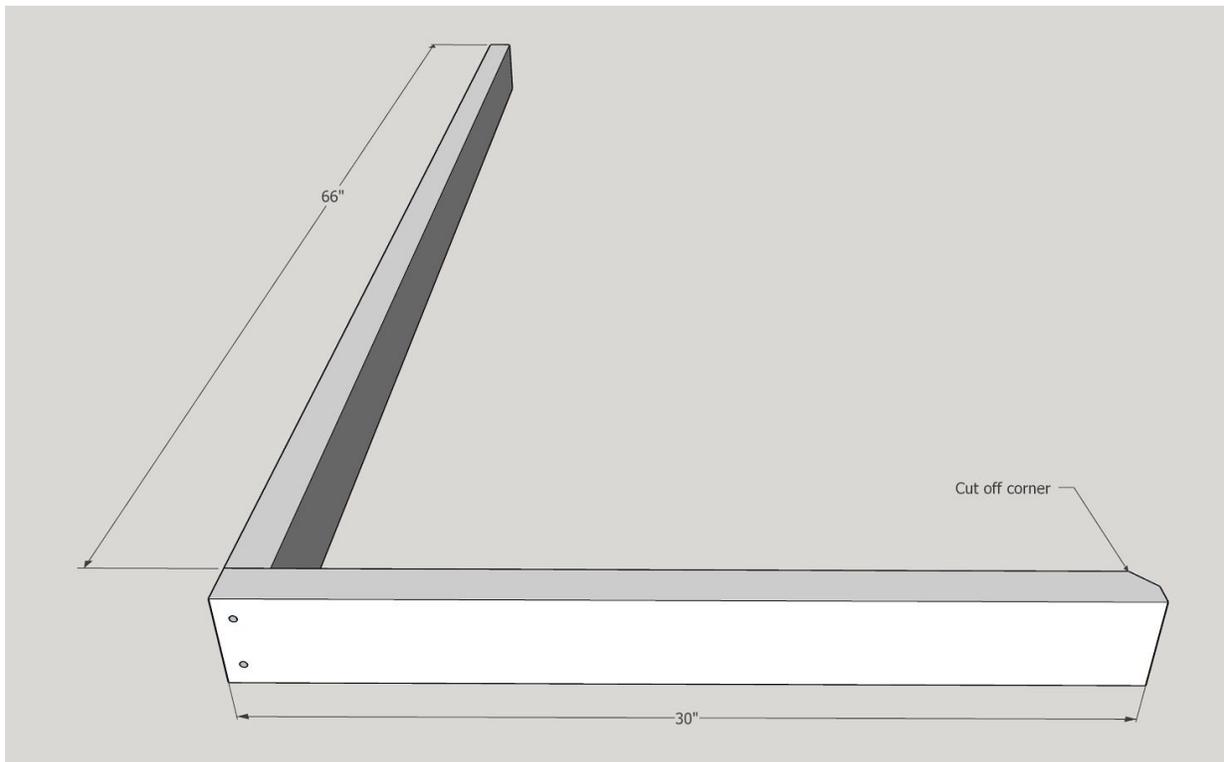
- ❑ Take the following measurements from your bicycles. You may need to adjust the plans to fit your bikes properly.
 - ❑ The full length from tire to tire
 - ❑ Wheel diameter
 - ❑ Handlebar width
 - ❑ Distance from the front of the tire to the handlebars

- ❑ Cut the horizontal supports to span the length of the bike rack with 12" -18" of space between each bike (depending on the width of the handlebars).
 - ❑ The horizontal supports should span at least two studs in the wall.
 - ❑ My horizontal supports are 36" long, with a foot of extra space from the end of the support to the corner of the wall.

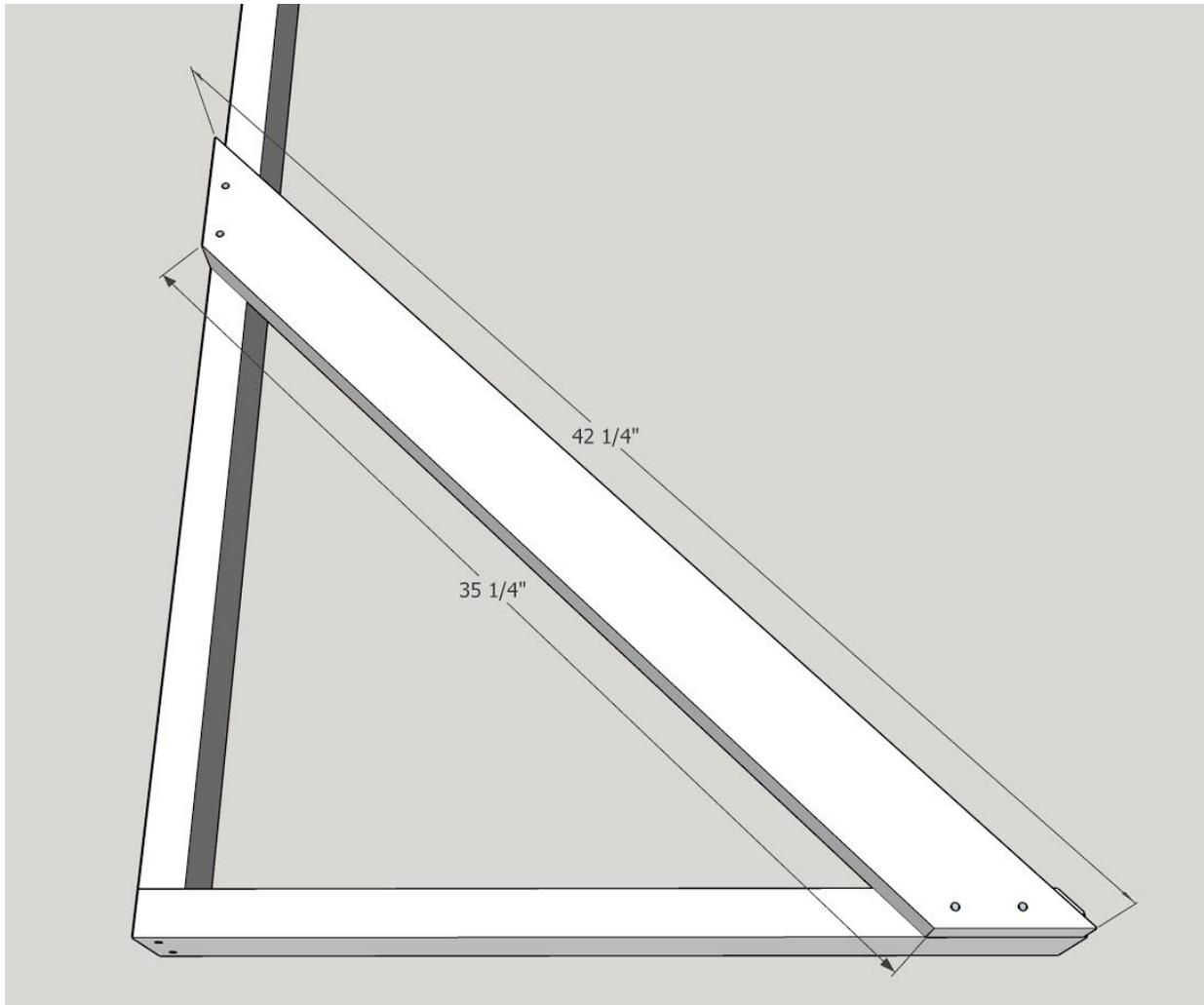
- ❑ Attach the horizontal supports to the wall at the studs with 3" screws.



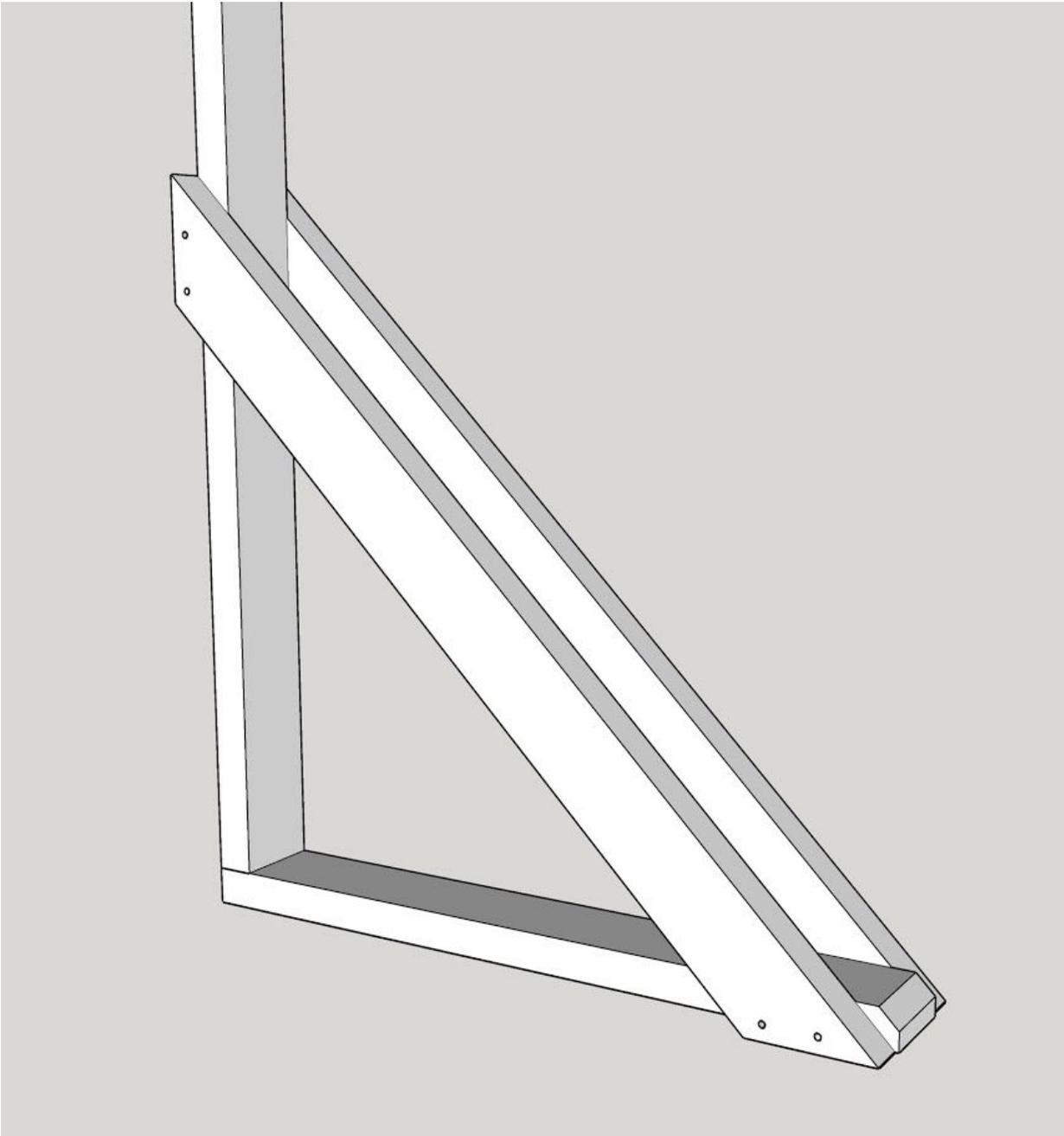
- ❑ Cut the long vertical piece at 66" and the bottom horizontal piece at 30". You might end up with slightly shorter pieces due to the kerf of the blade, but that's ok!
- ❑ Cut off one corner of the 30" piece along the 3 ½" side to allow the bike tire to roll up onto the rack easily.
- ❑ Attach the 30" piece to the 66" piece by screwing through the bottom with 3" construction screws.



- ❑ Cut the corners of the 42 1/4" piece at a 45 degree angle. The long outer side should be 42 1/4" and the shorter inside side should be 35 1/4".
- ❑ Align the cut angled ends of these diagonal supports with the back of the long vertical piece and the bottom of the horizontal piece, then clamp it into place.
- ❑ Screw the diagonal support into the side of the vertical and horizontal pieces with 3" construction screws.



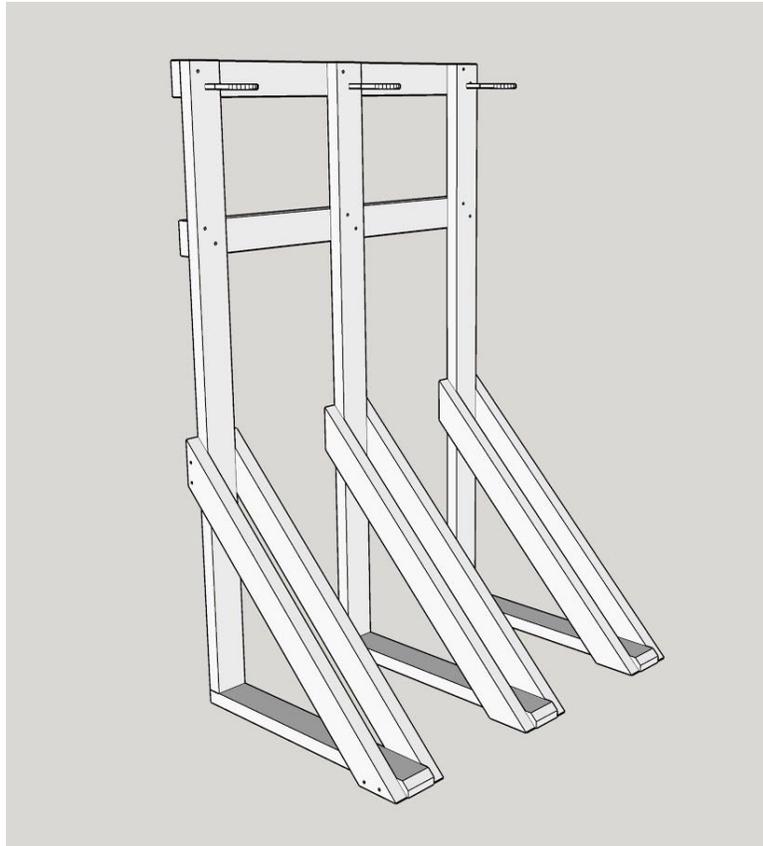
- ❑ Flip the bike stand over and attach the second diagonal piece to the other side of the frame the same way.



- ❑ Line up the first vertical bike rack with the end of the horizontal supports on the wall.
- ❑ Check for level, then attach the bike rack to the horizontal supports with 3" construction screws.
- ❑ Hold the first bike vertically in the rack, and mark where the tire meets the vertical support.
- ❑ Drill a pilot hole for the bike hook, then screw the hook into the hole.



Repeat the process for the rest of the bikes. You can make this rack as long as you want to accommodate lots of different bicycles!



Show off your build! Email me at hello@thehandymansdaughter.com, or tag me with a photo on [Instagram](#). I'd love to see it!

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