

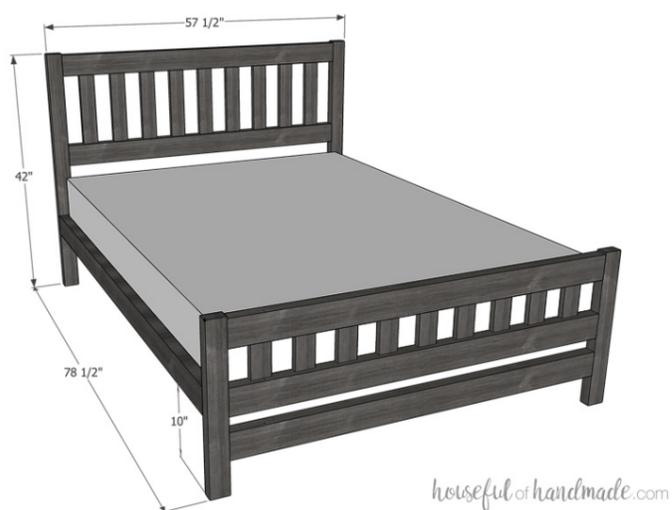
Easy Full Platform Bed

By **Houseful of Handmade**

Difficulty

Easy

This easy to build bed will make a statement in any room. The simple design creates a stunning headboard and footboard for your full bed from simple 2x4s, 2x3s and 1x3s.



Tools

Kreg Tools



[Kreg® Pocket-Hole Jig 720PRO](#)



[Multi-Mark™](#)



[Wood Project Clamp - 3"](#)

Other Tools

Miter saw

Drill

Materials

Wood Products

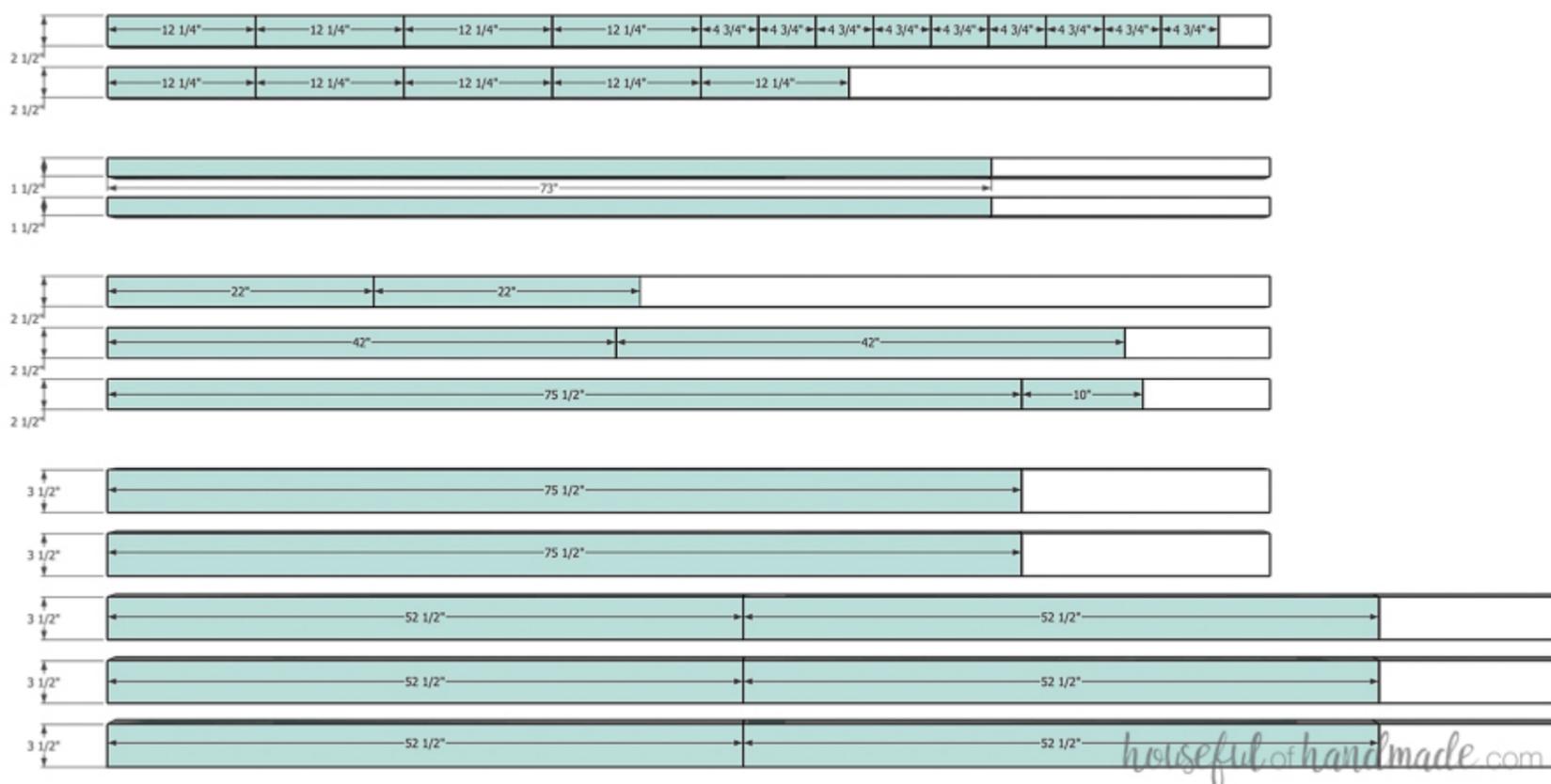
- 3** Board , 2x4x10'
- 2** Board , 2x4x8'
- 3** Board , 2x3x8'
- 2** Board , 2x2x8'
- 2** Board , 1x3x8'

Hardware & Supplies

- 52** 2 ½" Pocket Hole Screws
- 72** 1 ¼" Pocket Hole Screws
- 1** Wood Glue
- 3** Pairs Bed Rail Brackets

Cut List & Parts

- 2 Side Rails , 1 1/2" X 3 1/2" X 75 1/2"
- 6 Headboard/Footboard Rails , 1 1/2" X 3 1/2" X 52 1/2"
- 1 Center Rail , 1 1/2" X 2 1/2" X 75 1/2"
- 2 Headboard Legs , 1 1/2" X 2 1/2" X 42"
- 2 Footboard Legs , 1 1/2" X 2 1/2" X 22"
- 1 Center Leg , 1 1/2" X 2 1/2" X 10"
- 2 Side Rail Supports , 1 1/2" X 1 1/2" X 72"
- 9 Headboard Slats , 3/4" X 2 1/2" X 12 1/4"
- 9 Footboard Slats , 3/4" X 2 1/2" X 4 3/4"



Directions

1

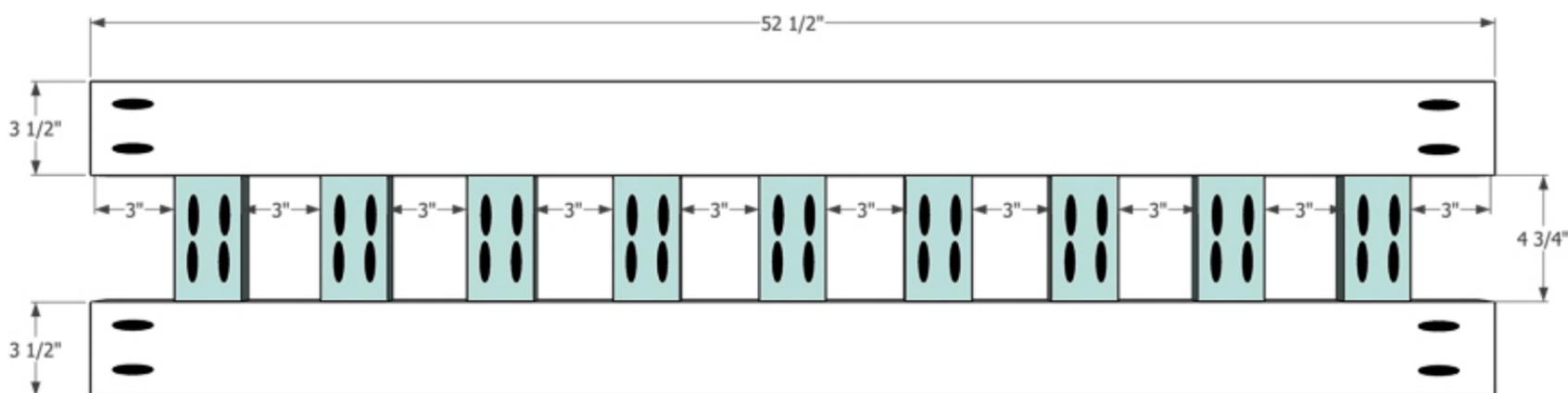
Assemble footboard slats

Set your Kreg pocket hole jig to drill holes in 3/4" thick material. Drill 2 pocket holes in each end of the (9) footboard slat boards. Then set your jig for 1 1/2" thick material and drill 2 pocket holes in each end of 3 footboard rail boards.

Attach the slats between two rail boards so they are spaced 3" from the edge and 3" apart. Set the slats back 3/8" from the front and back of the rails (so they are centered). Secure with wood glue and 1 1/4" pocket hole screws.

To make attaching the slats easier, attach all the slats to one rail first. Then attach them to the second rail. If you attach one slat to both rails, it will be way harder to get the other slats into place.

[More details on squaring 2x4s](#)



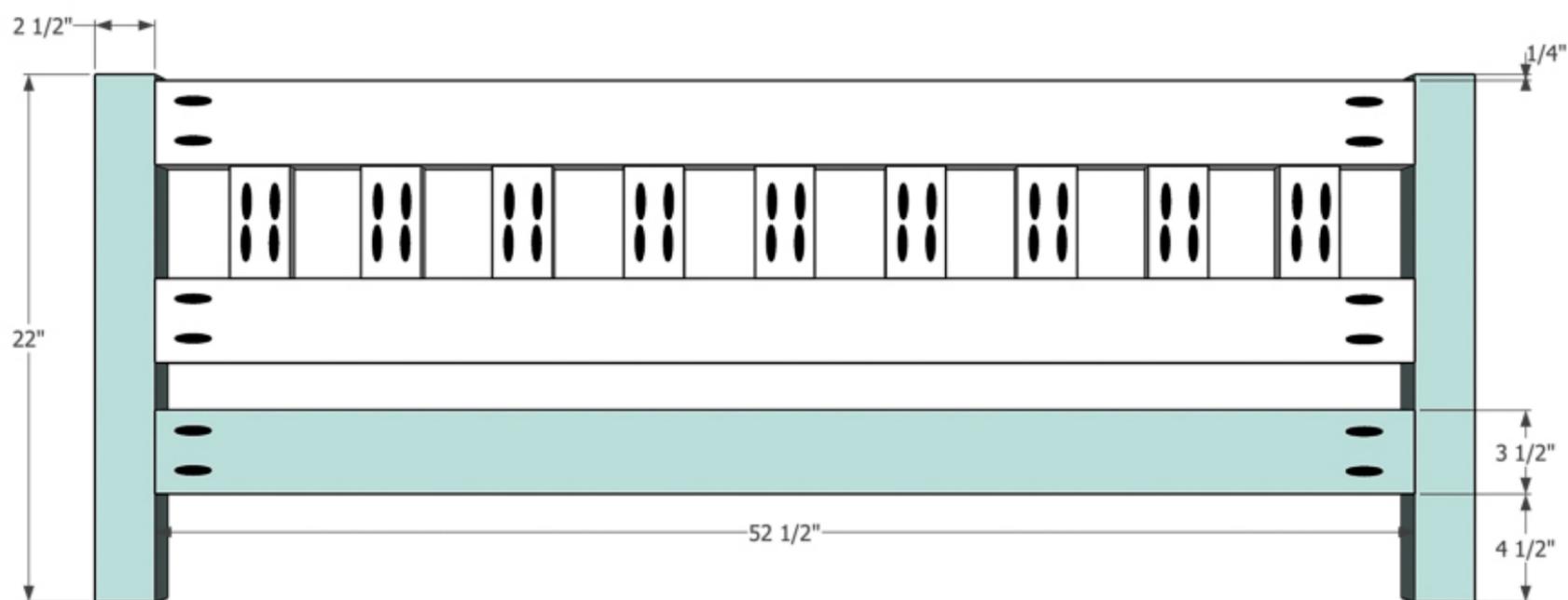
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2

Finish footboard assembly

Attach the three rails to the footboard legs as shown in the diagram. The top of the assembled rail/slats should be set down 1/4" from the top of the legs and the bottom should be 10" up from the bottom.

Attach all three pieces to one leg first, then the other. Secure with 2 1/2" pocket hole screws and wood glue. Use face clamps to keep the boards flush as you secure them.



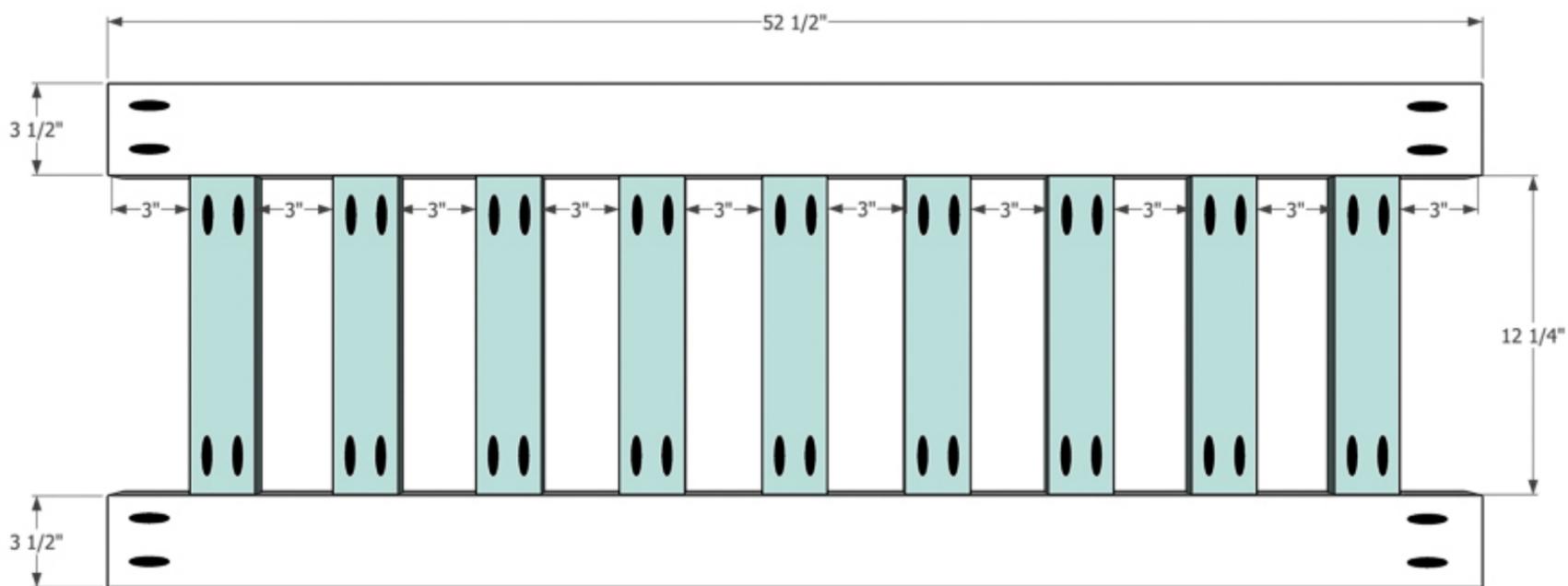
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3

Assemble headboard slats

The headboard is assembled the same way as the footboard. Start by drilling 2 pocket holes in each end of the (9) headboard slat boards and the 3 headboard rail boards. Make sure your jig is set for the correct wood thicknesses.

Attach the slats between two rail boards so they are spaced 3" from the edge and 3" apart and centered on the rails. Secure with wood glue and 1 1/4" pocket hole screws.



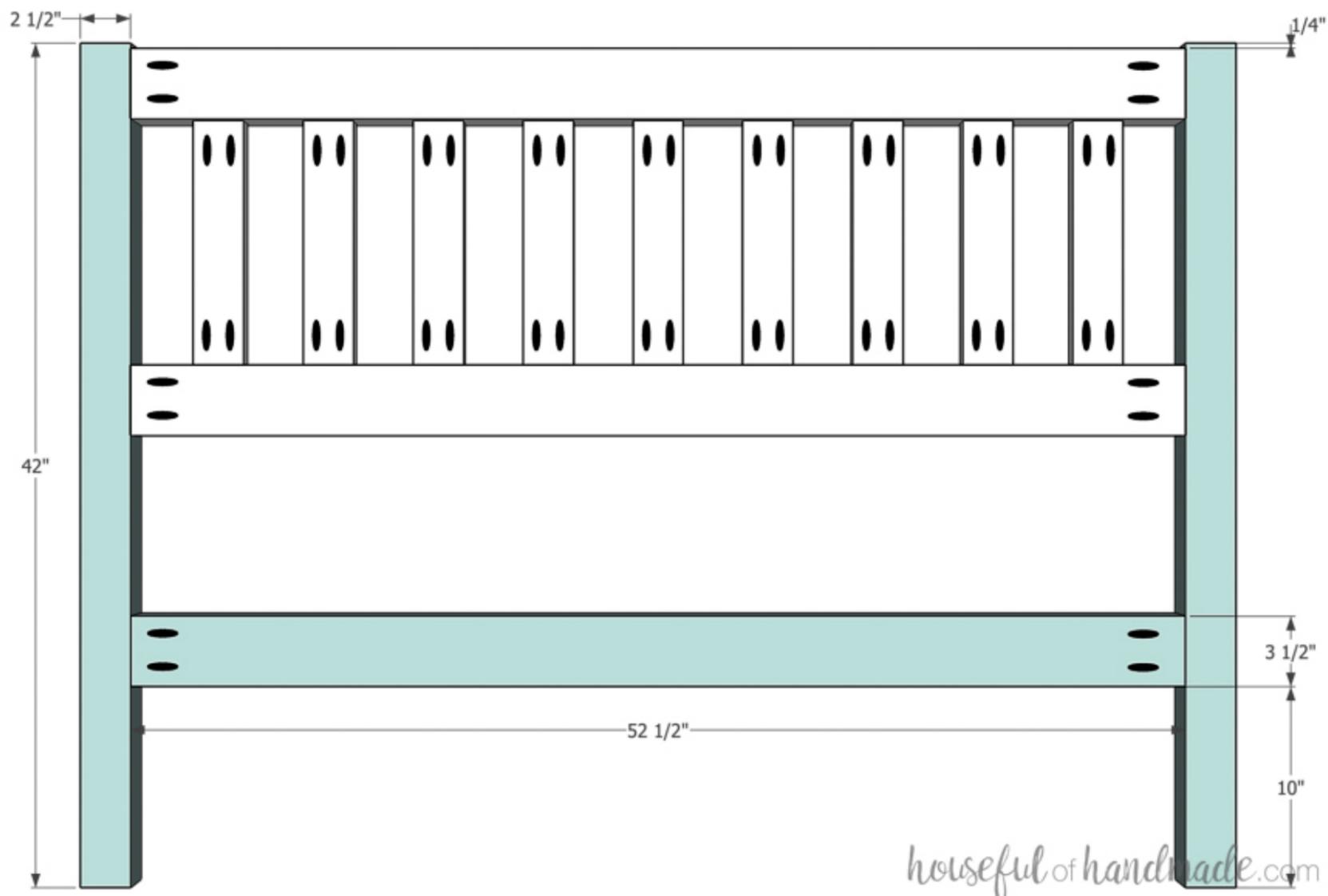
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4

Finish headboard assembly

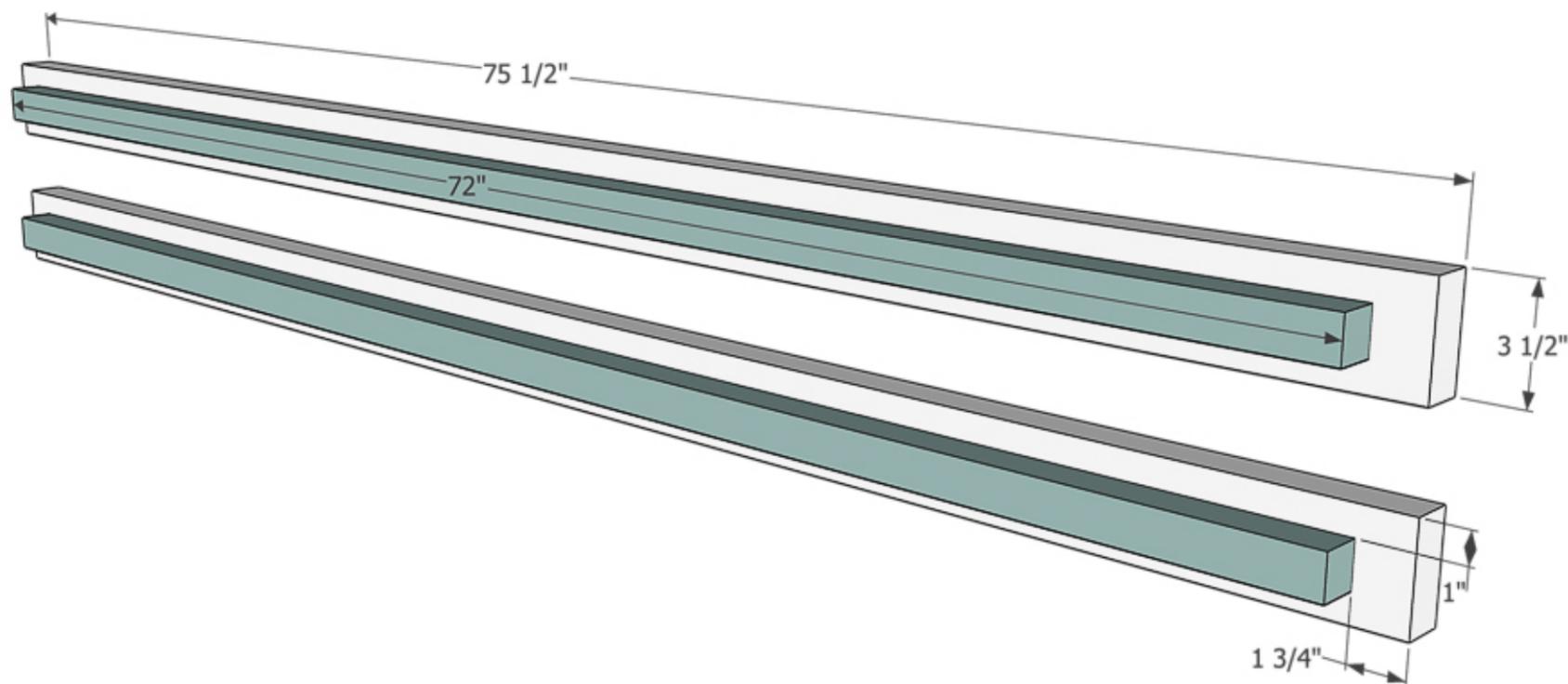
Then attach the three rails between the two headboard leg boards according to the diagram. The top of the assembled rail/slots should be $1/4$ " down from the top of the legs. The third, unattached rail, should be attached so it is 10" up from the bottom of the legs.

Secure with wood glue and $2\ 1/2$ " pocket hole screws.



5**Build side rails**

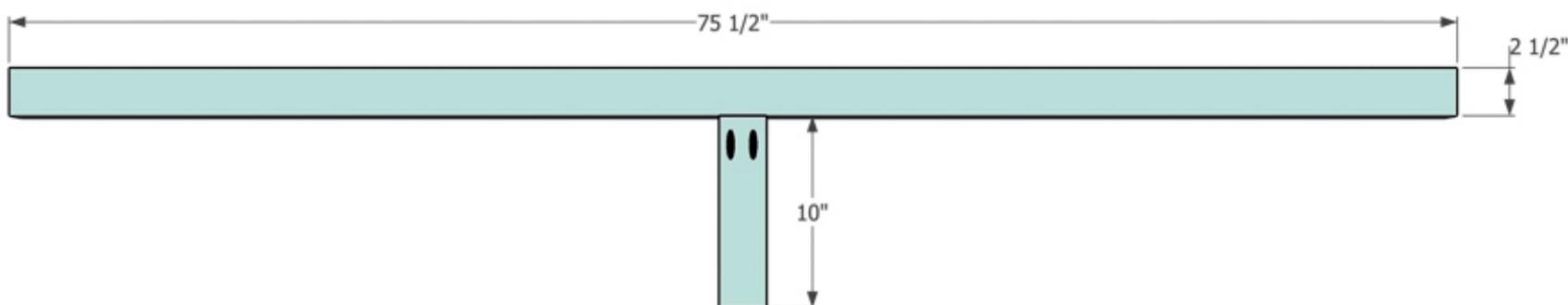
Lay the 2x2 rail support on the side rail pieces so it is centered side to side and set down from the top 1". Attach the 2x2 to the 2x4 with 2 1/2" pocket hole screws spaced every 6" along the board. Countersink the screws with the Kreg quick-flip tool. Repeat for the other side rail.



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6**Build center rail**

The center rail will support your mattress in the center and prevent sagging. Drill pocket holes set for 1 1/2" thick material in one end of the center leg board. Attach it to the center edge of the center rail board with wood glue and 2 1/2" pocket hole screws.



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7**Sand and finish**

Sand and finish all your pieces before adding the bed rail brackets to the bed. I used Early American stain by Minwax and sealed it with a furniture wax for a matte finish.

8

Add bed rail brackets

Attach your bed rail bracket to the ends of the side rail boards according to their specific directions. Then attach the second piece to the back of the footboard and front of the headboard so the rails will be 10" up from the bottom of the legs.

I include detailed install instructions and a link for the specific brackets I used in my linked blog post.

[🔗 More details on bed rail brackets](#)



9

Assemble bed

To assemble the bed, attach the side rails and center rail to the headboard and footboard using the bed rail brackets. Tighten bolts to secure if available.

Add bed slats or plywood to rest on the 2x2 side rail support and center rail. If you want to make your own bed slats, cut 1x4 boards to 54 1/4" long and secure with a screw. Check your specific mattress's requirements to see how close your slats need to be.



10

Enjoy!

You did it! Now all that is left is to add your mattress to your new bed and enjoy.

For plan for different sizes of this bed and more things to build for your home, visit me at [Housefulofhandmade.com](https://housefulofhandmade.com). I love helping you to learn to DIY.

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