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# King Panel Bed

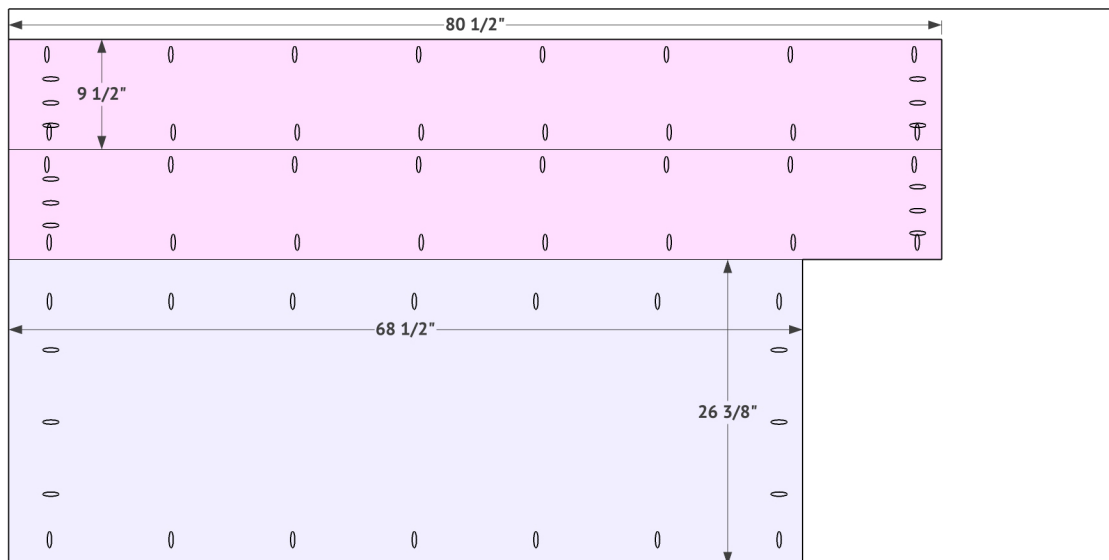
## Supply List

Item	Quantity	Description
3/4" hardwood plywood	2	48" x 96" maple, oak or birch
2 x 6 x 8	18	framing lumber
2 x 4 x 8	16	framing lumber
1 x 6 x 8	4	pine or whitewood
1 x 6 x 6	1	pine or whitewood
Decorative Wood Circles	2 packs	Check website for link
1.5" pocket hole screws	several	
2.5" pocket hole screws	several	
2" wood screws	several	
wood glue		
1.25" brad nails		

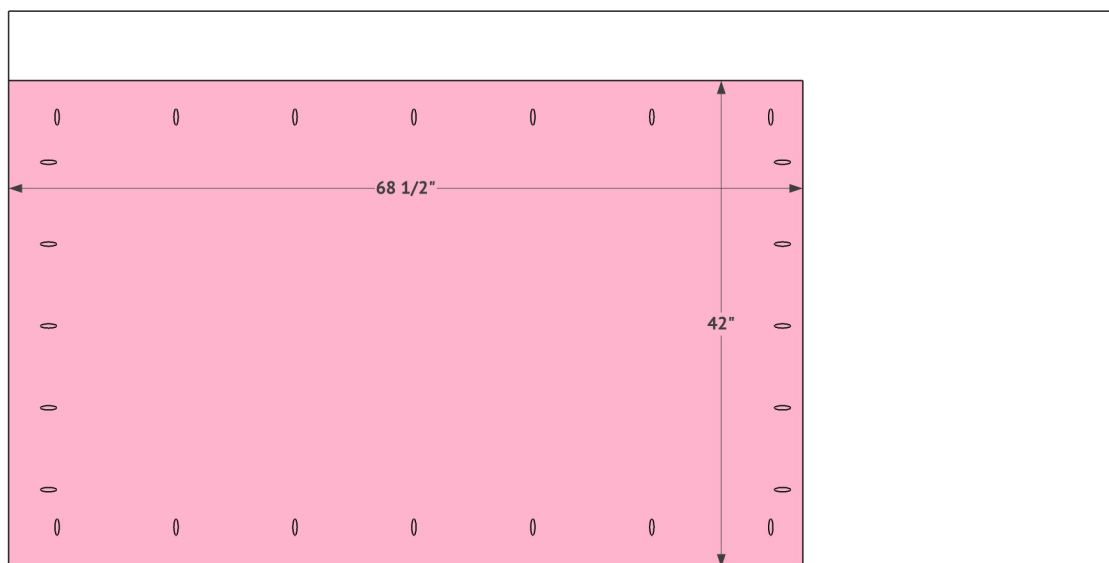
*Remember!*

Many of these cuts are best made as you go. If you have questions, check out the tutorial on our site!

## CUT LIST

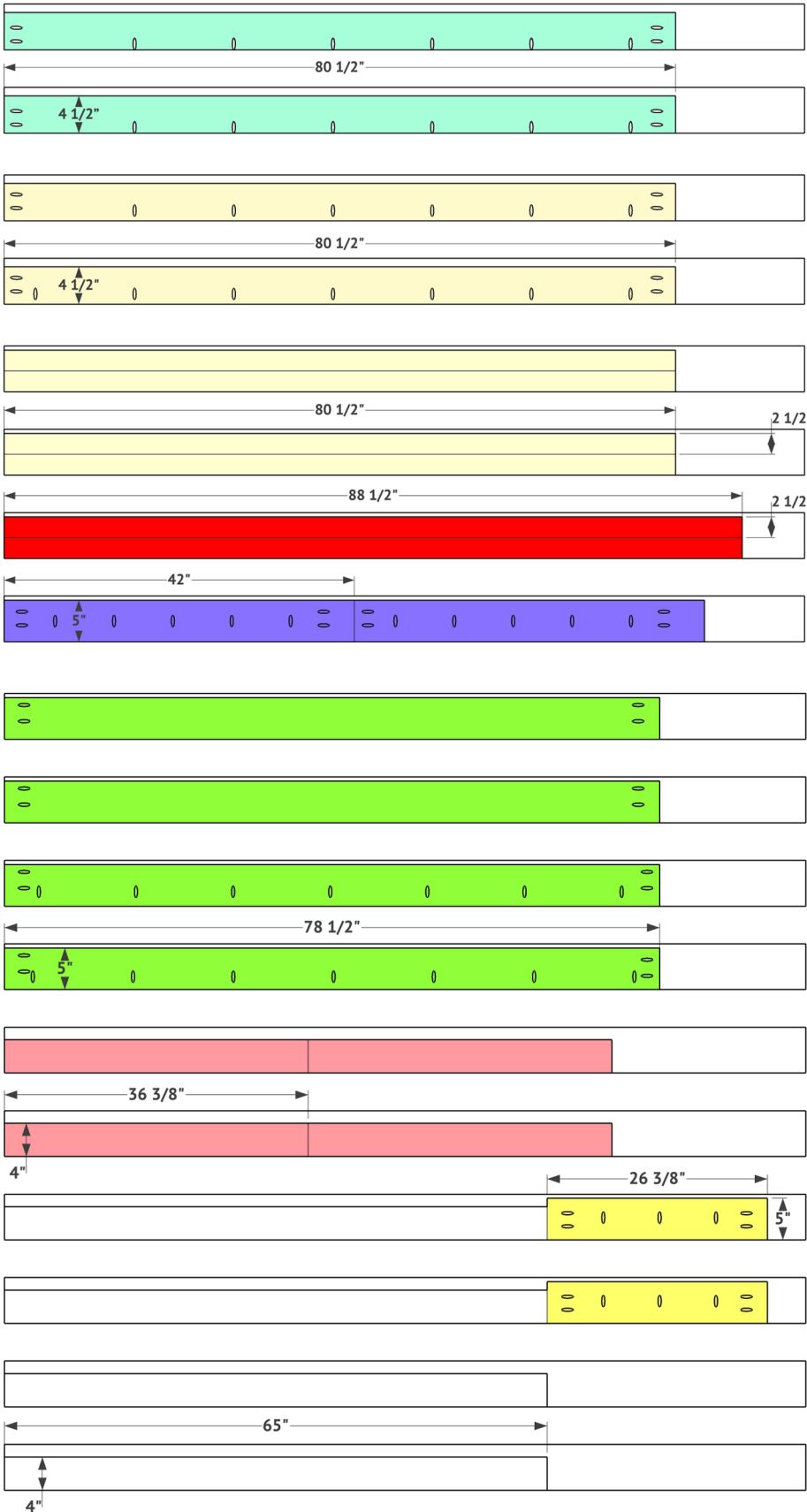


3/4" Hardwood  
Plywood  
\*I used maple for  
my bed!  
48" x 96" sheets

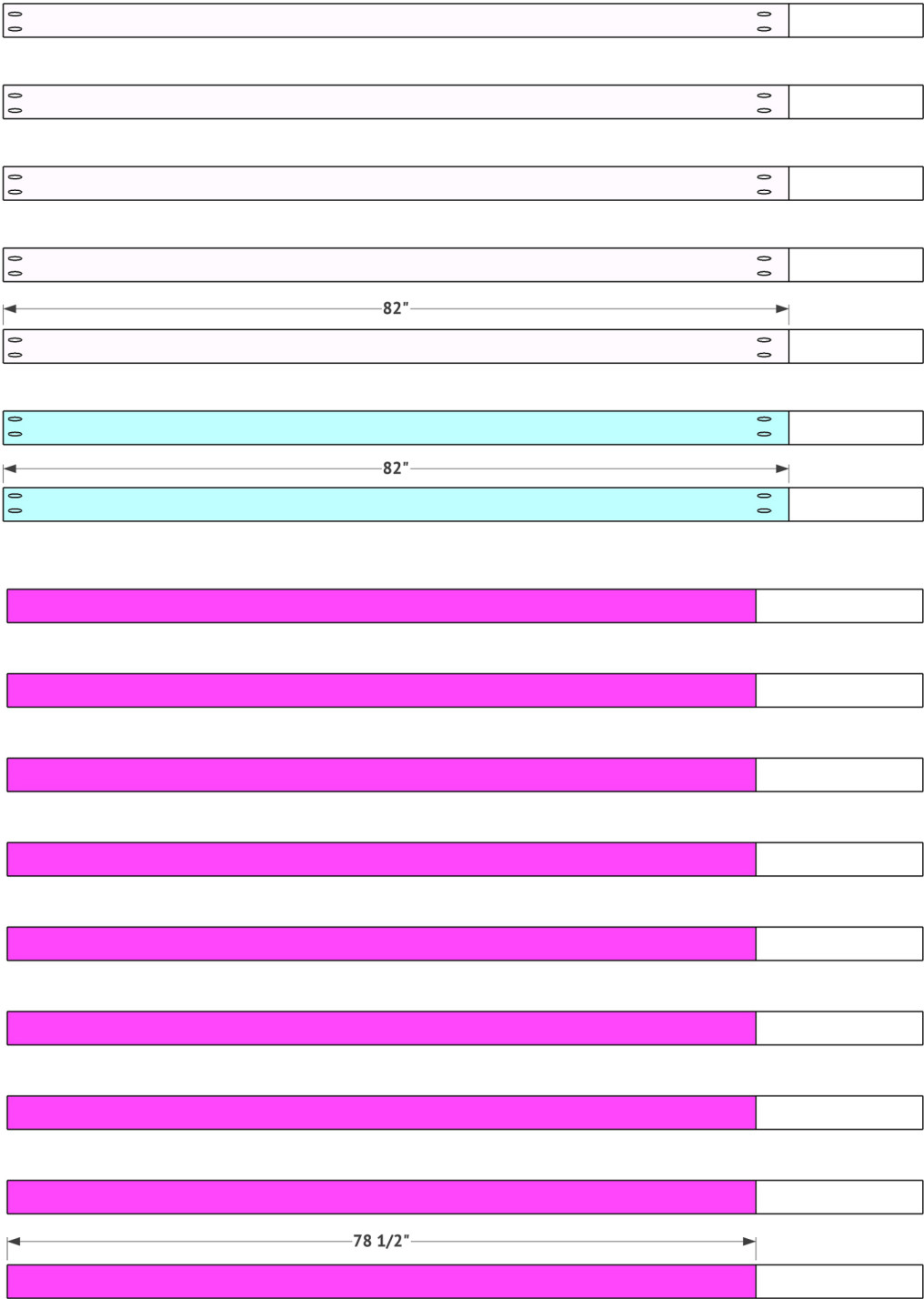


# CUT LIST

These are all 2 x 6 framing boards ripped to different widths. I do this to give the bed a more custom look and to save money on lumber. The width of each board is noted!



# CUT LIST

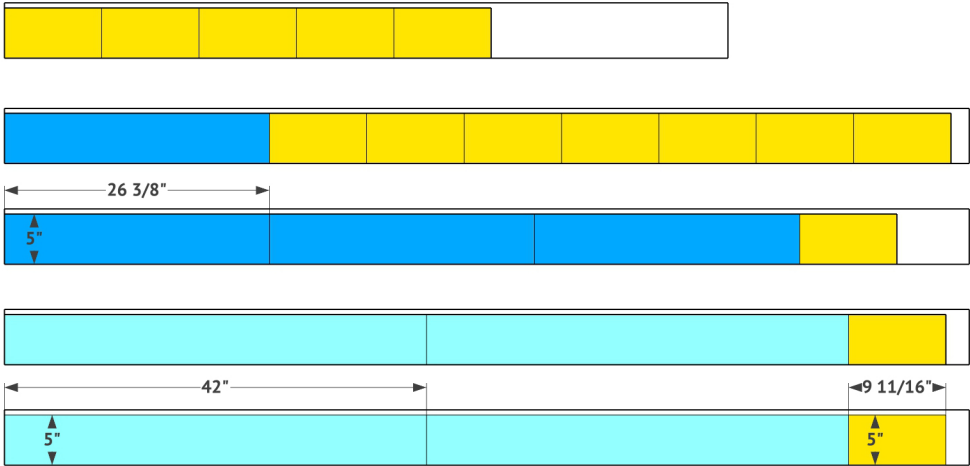


These are all 2 x 4 framing boards I used to create the mattress support system. They do not need to be ripped down at all. Each mattress has different recommendations for support. I use a hybrid mattress and this slat system works perfect. I do not need to use a boxspring with mine.

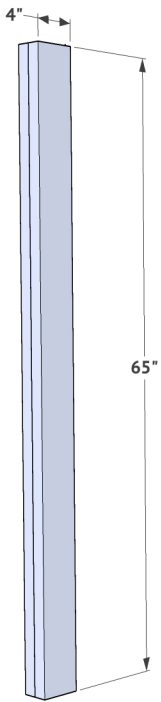


# CUT LIST

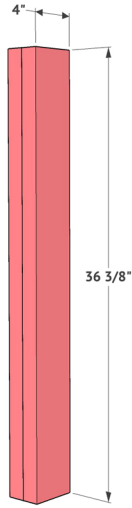
These are the trim boards  
for the headboard  
and footboard.  
These are all 1 x 6 boards.  
I used 4 - 1 x 6 x 8 boards  
and 1 - 1 x 6 x 6 board.  
I ripped these to 5" wide  
each to match the width of the  
frames.



X2



X2



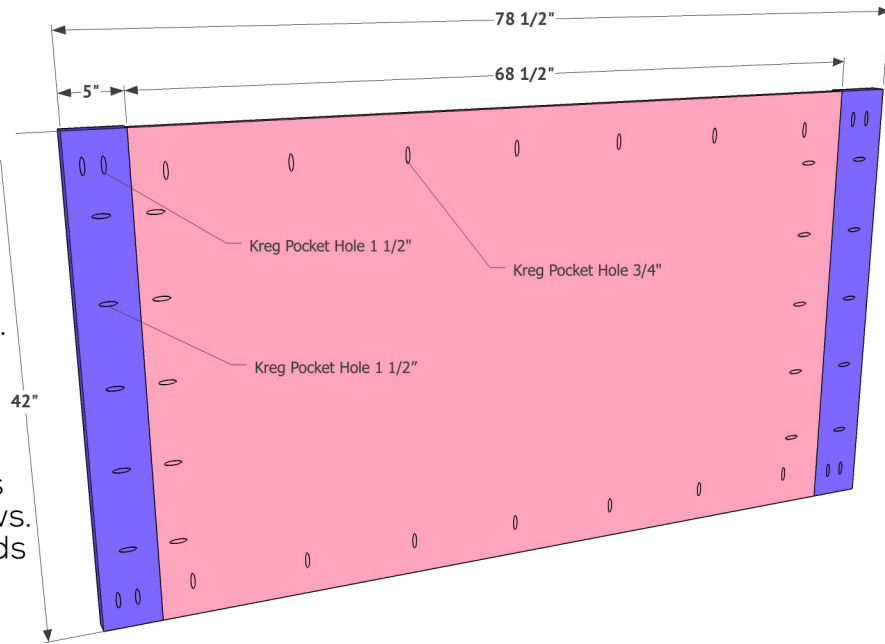
1

The first step is building your legs for both the headboard and footboard. These are 2x6 boards that are ripped with a table saw to 4" wide each. Add glue between both boards and clamp very tightly until the glue dries. You will build 2 headboard legs and 2 footboard legs. While they are drying, you can begin building the rest of the bed.

2

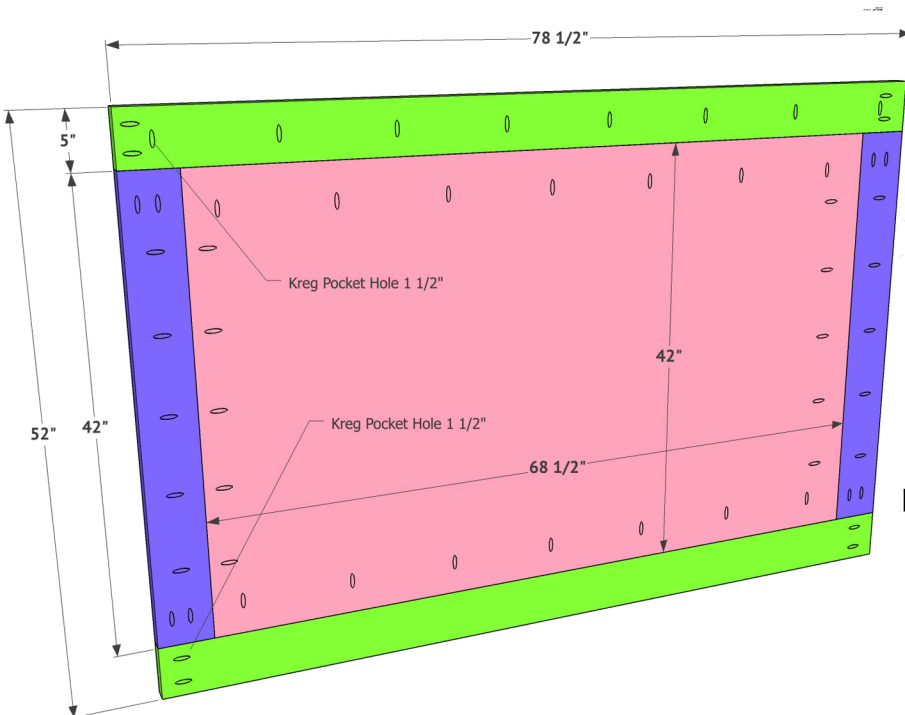
Add 3/4" pocket holes around all 4 sides of the headboard plywood panel. These pocket holes will face the back.

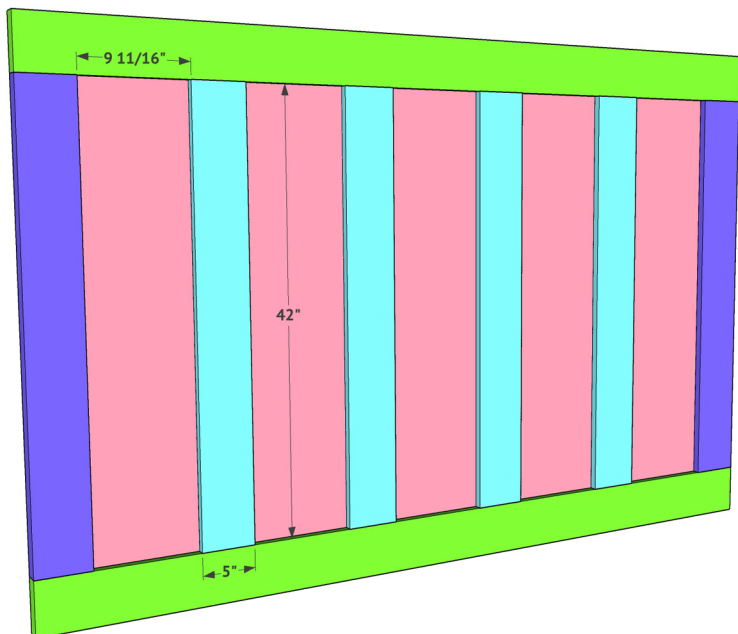
Add 1.5" pocket holes down one side of each vertical headboard frame piece. Attach the plywood to the frame boards using wood glue and 1.5" pocket hole screws. The tops and bottoms of the frame boards will be flush with the top and bottom of the plywood, and the backs will be flush with the back of the plywood.



3

Add 1.5" pocket holes down the top horizontal frame board, and also add 1.5" pocket holes to the ends of both horizontal frame boards. Attach these boards to the plywood using 1.5" pocket hole screws through the plywood and into the frame boards, and also with 2.5" pocket hole screws through the vertical frame boards and into the top and bottom frame boards.



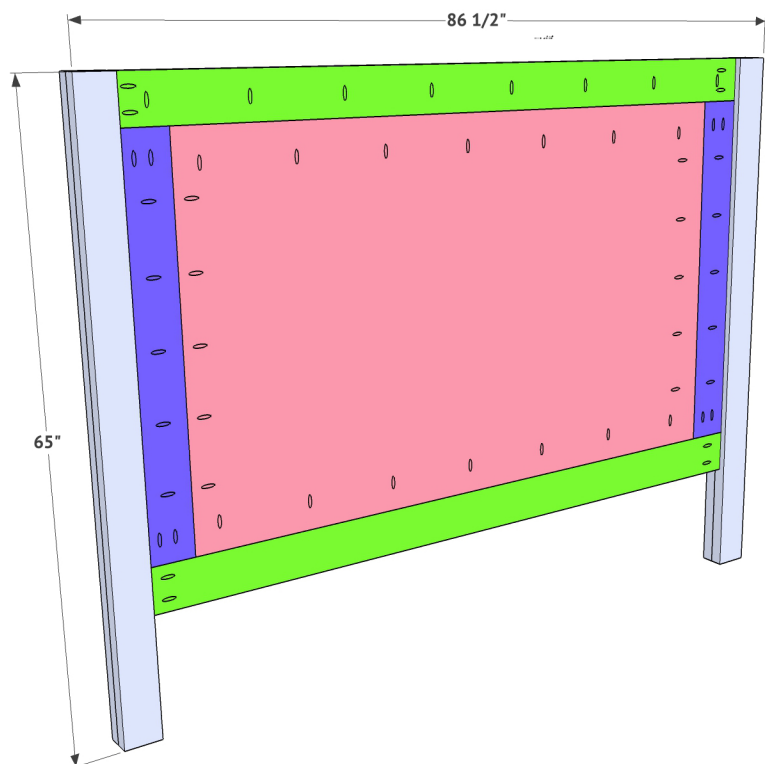
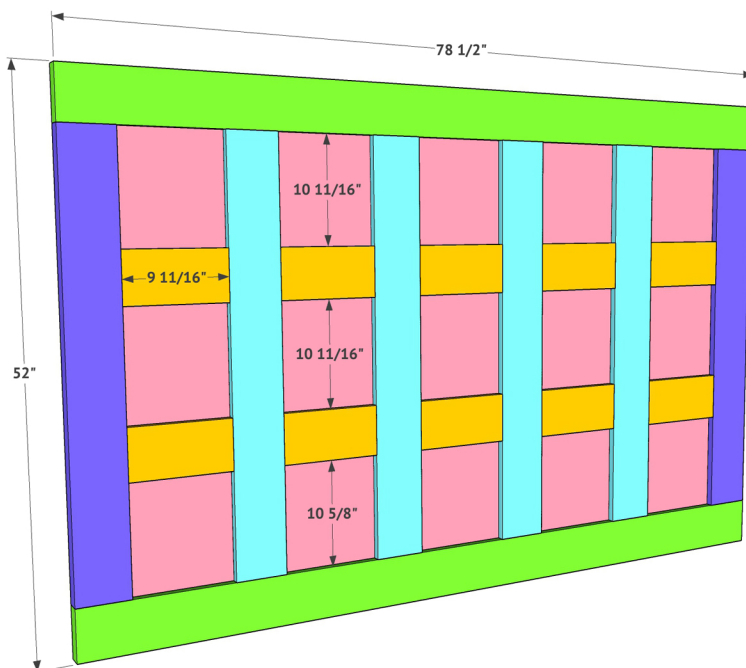


4

Next, add the trim pieces to the headboard. These are 1x6 boards that are ripped to 5" each. They are all spaced equally. Cut each board to size and attach to the plywood using wood glue and 1.25" brad nails.

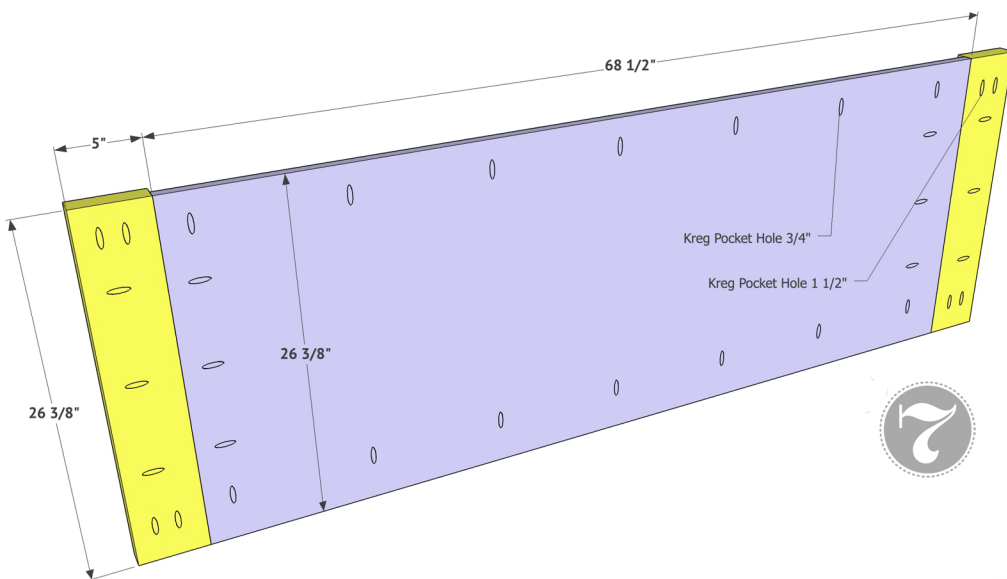
5

The horizontal trim pieces are also 1x6 boards that are ripped to 5" wide each. Cut each to size and attach them to the plywood using wood glue and 1.25" brad nails. These will also be spaced evenly on the plywood.



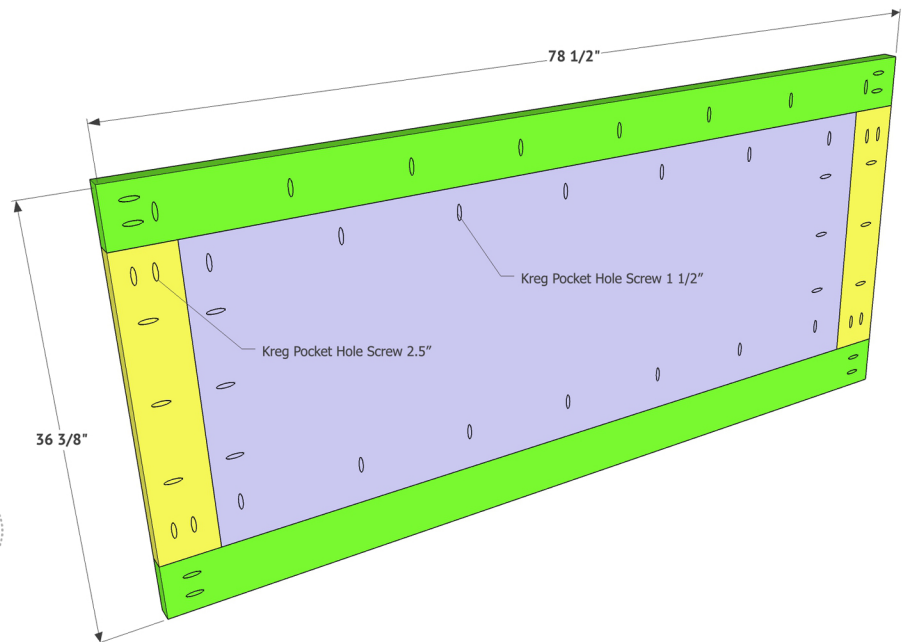
6

Make sure your legs are dry from step 1 before attaching them! Place some scrap 1x boards on the ground and lay the headboard panel on top of them with the front facing down. This will set your panel 3/4" off the ground. Place the headboard legs against each side and line the tops up flush with the top of the headboard panel. Add a line of glue between the legs and headboard panel and then attach them using 2.5" pocket hole screws through the panel and into each leg.

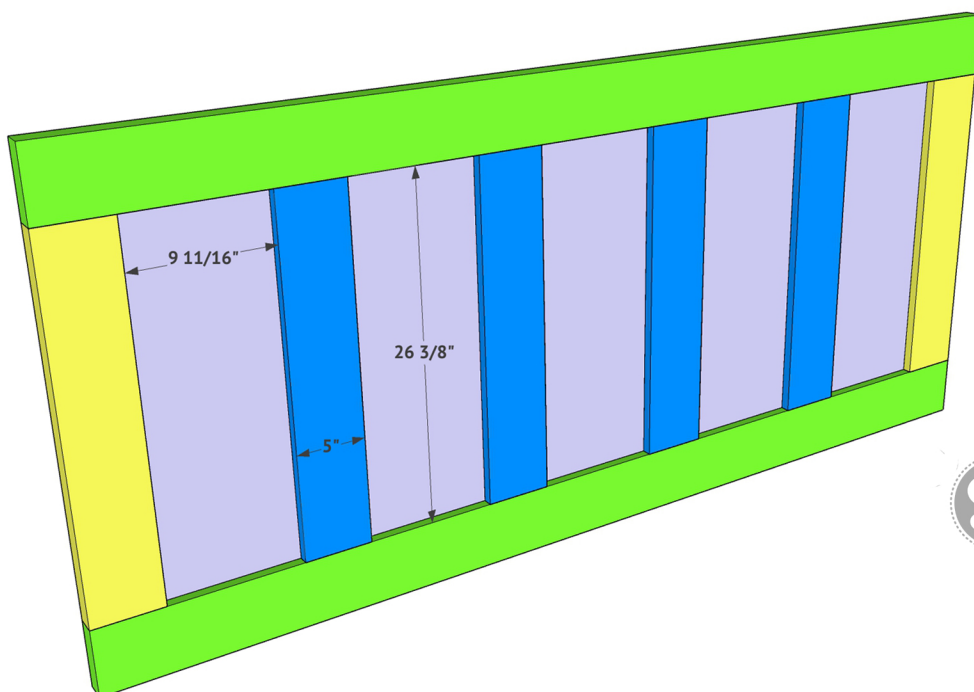


Now you are ready to start the footboard. The assembly of the footboard is identical to the headboard. The only differences you will have are the measurements. Follow the assembly instructions you used on the headboard to assemble the footboard but follow the measurements of the footboard.

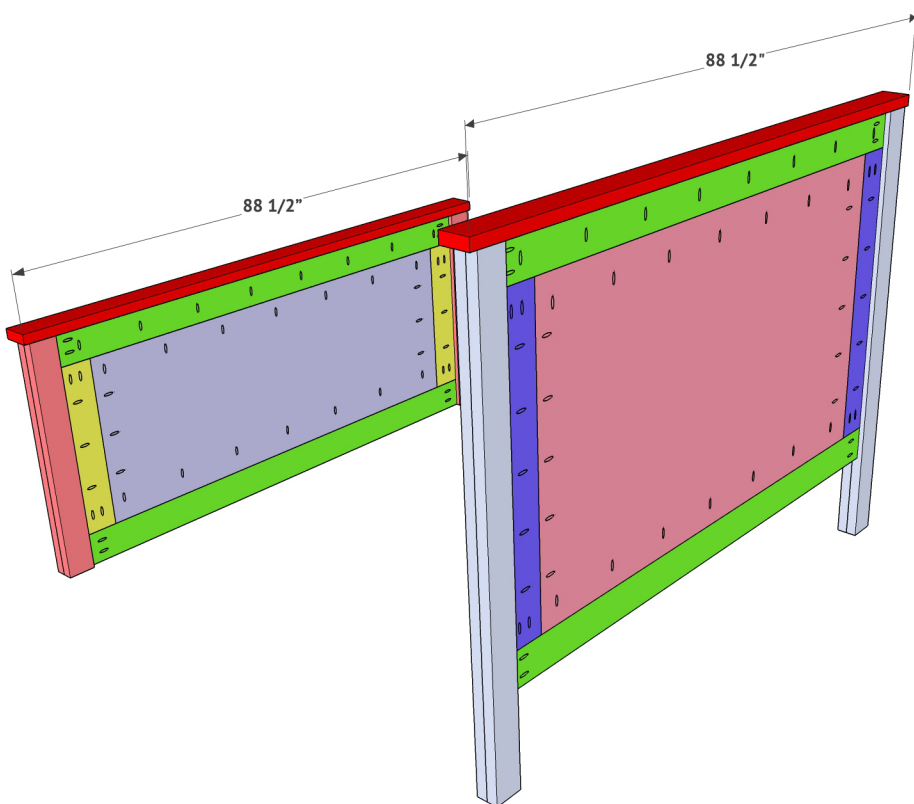
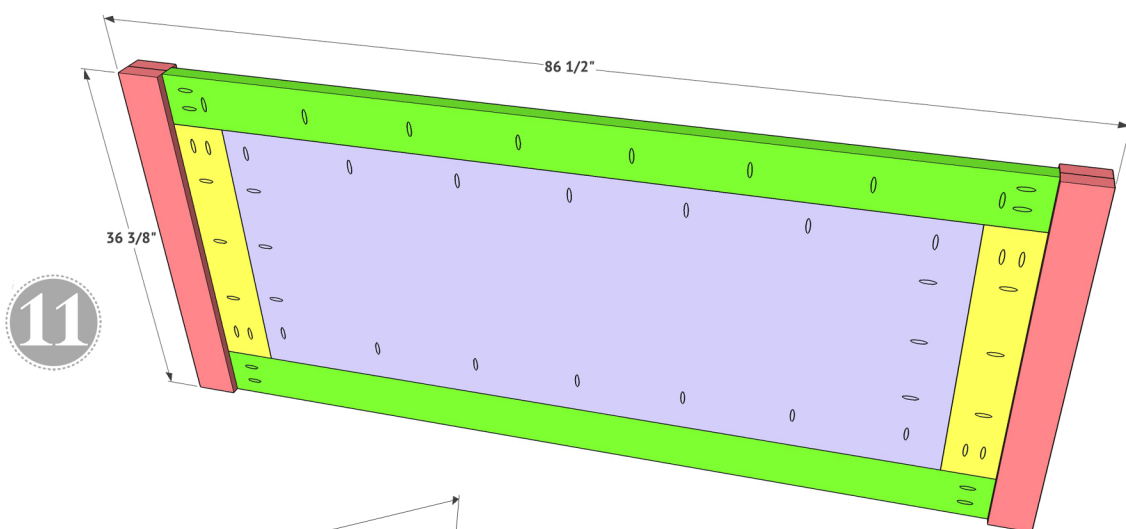
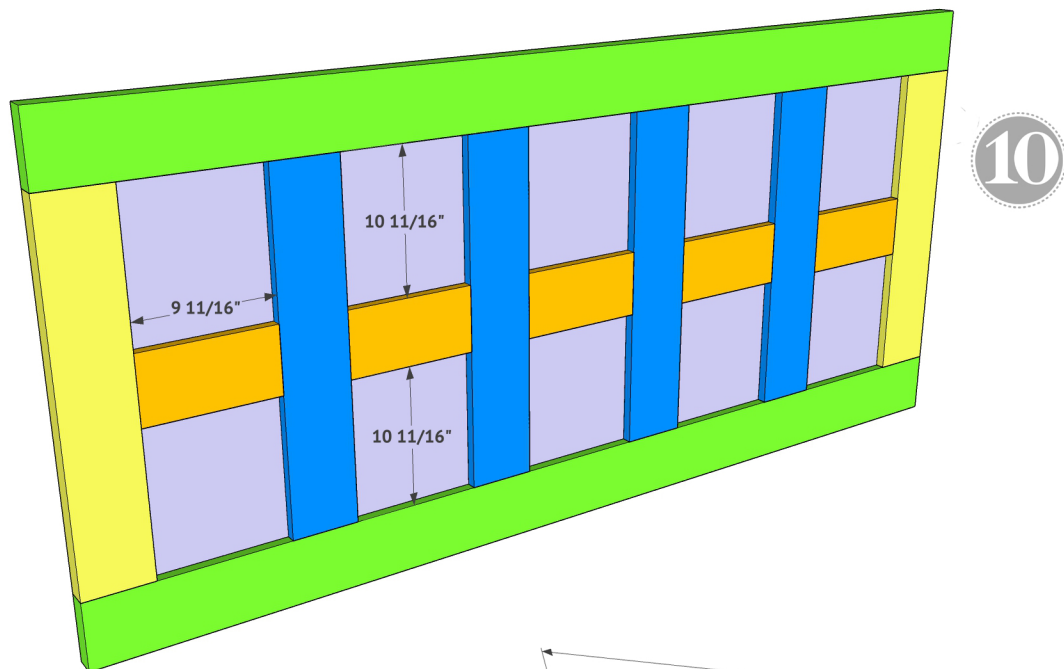
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8



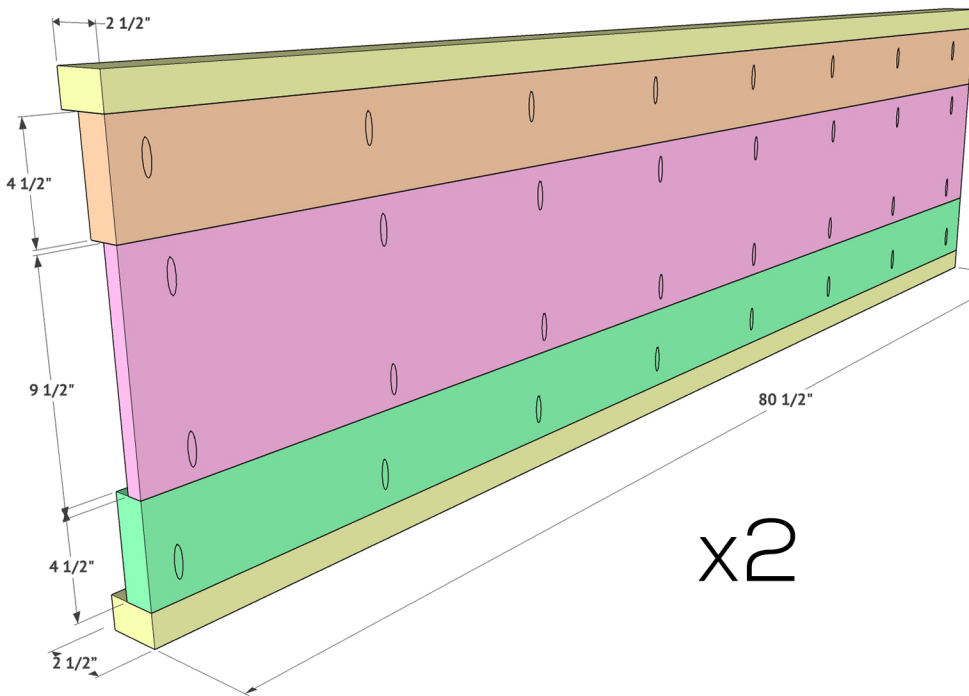
9



12

At this point, add the two top trim boards to both the headboard and the footboard. These are 2x6 or 2x4 boards ripped to 2.5" wide each. Attach them to the tops using wood glue and 2.5" pocket hole screws through the backs of the headboard and footboard and into each trim piece.





13

Build the 2 sides next. Each one is layered with 5 boards. The top and bottom boards are 2x4 or 2x6 ripped to 2.5" wide each. The orange and green boards are 2x6 boards ripped to 4.5" wide. The middle board is 3/4" hardwood plywood. Cut each to size and attach each layer using wood glue and pocket hole screws.

x2

At this point, stain or finish all 4 pieces. Once they are dry, you are ready to move it in and assemble. Don't use wood glue on assembly! This will make it easier to move the bed later when needed.

Each mattress requires it's own different support.

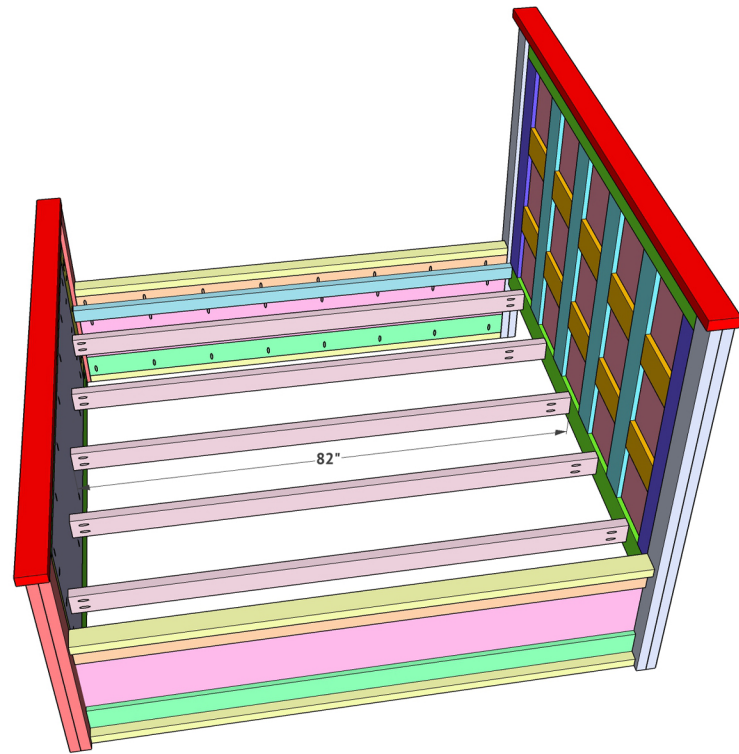
Research yours before creating the supports.

The following shows how I created mine. We use

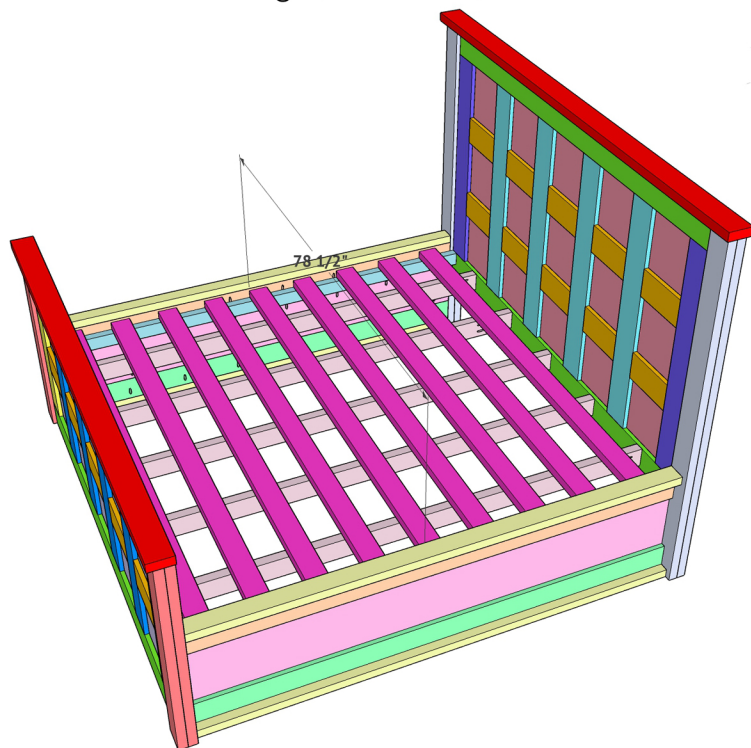
a hybrid mattress and the slat system works perfect.

I attached the 2x4 runners with 2.5" pocket hole screws into the front and back of the bed.

I also attached the cleats to each side rail using 2" wood screws. Place these all with the top at the same level. You can decide where that level is based on how high you want your mattress to sit.



14



I then laid the mattress supports on top of all of those. These are also 2x4 boards, and I attached each end to the cleats using 2" wood screws.

To see how I added the small decorative circles, be sure to check out our website and video on this build!

Happy Building!