

Farmhouse Storage Bed with Drawers

Tools and Materials

- **3 - Sheets 3/4" Plywood or other sheet goods**
- **1 1/2 - Sheets 1/4" Plywood or other sheet goods**
- **2 - 4x4 post, 7 feet long**
- **2 - 1x4 @ 10 feet long**
- **3 - 2x4 @ 10 feet long (cut longest first!)**
- **5 - 1x10 @ 8 feet long (OR 1 sheet of 3/4" plywood cut into 5 strips 9 1/4" wide)**
- **6 - Euro Style Drawer Slides (the cheapo white ones) 14" long, medium to heavy duty rating**
- **2 - 2x6 @ 6 feet long**
- **3 - 2x2 @ 8 feet long**
- **9 - 1x3 @ 8 feet long**
- **5 - 1/4" hobby stock, 2 1/2" wide @ 8 feet long (OR 1/4" plywood cut into strips 2 1/2" wide)**
- **4" Screws (if you are not using a pocket hole jig and will be attaching 4x4 legs to panels with screws)**
- **6 Knobs or handles**
- **2 inch screws**
- **3 inch screws**
- **3/4 inch finish nails**
- **1 1/4 inch finish nails**
- **2 inch finish nails**
- **1-1/4" Pocket Hole Screws**
- **Elmer's Wood Glue**
- **Elmer's Wood Filler**
- **120 grit sandpaper**
- **primer**
- **paint**
- **paint brush**

Cut list (headboard)

- **1 - 3/4" Plywood @ 26" x 53" (Can substitute planked wood for panel to create a more authentic "farmhouse" look)**
- **2 - 1x4 @ 53"**
- **2 - 4x4 @ 54"**
- **2 - 2x4 @ 53"**
- **1 - 2x4 @ 60"**
- **1 - 2x6 @ 62"**

Cut list (footboard)

- **1 - 3/4" Plywood @ 15" x 53" (Can substitute planked wood for panel to create a more authentic "farmhouse" look)**
- **2 - 1x4 @ 53"**
- **2 - 4x4 @ 19"**
- **2 - 2x4 @ 53"**
- **1 - 2x4 @ 60"**
- **1 - 2x6 @ 62"**

Cut list (storage boxes)

- **4 - 3/4" Plywood @ 15 1/2" x 30 1/4"**
- **3 - 3/4" Plywood @ 15 1/2" x 13 1/2"**
- **2 - 1/4" Plywood @ 30-1/4" x 15"**

Cut list (support and center)

- **2 - 2x2 @ 30 1/4"**
- **4 - 2x2 @ 16 3/4"**
- **13 - 1x3 @ 28 1/2" (Slats to mattress specs)**

Cut list (drawer boxes)

- **12 - 1x10* @ 23 1/4"**
- **12 - 1x10* @ 14"**
- **6 - 1/4" Plywood @ 24 3/4" x 14"**

Cut list (drawer faces)

- **6 - 3/4" Plywood @ 25 1/2" x 13 1/4"**
- **12 - 1/4" hobby stock, 2 1/2" wide @ 8 1/4"**
- **12 - 1/4" hobby stock, 2 1/2" wide @ 25 1/2"**

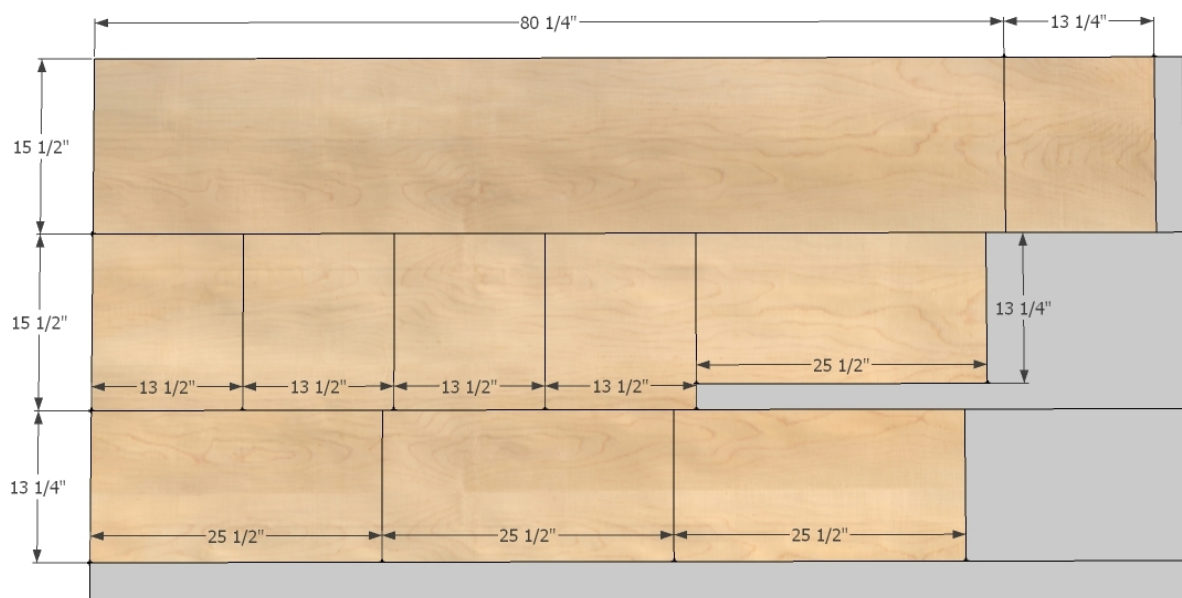
Step 1



PLYWOOD SHEET #2

Have your hardware store rip the first piece into three equal sized strips, 15 1/2" wide. Then all you have to do is make the cross cuts at home. These cuts are from the 3/4" thick plywood.

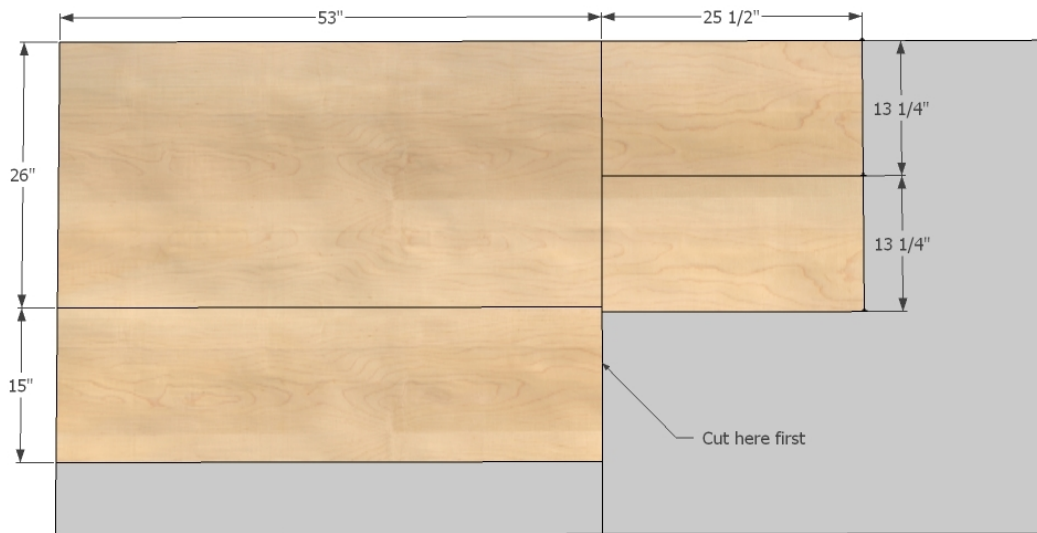
Step 2



PLYWOOD SHEET #3

From another sheet of 3/4" plywood, have your hardware store rip into two 15 1/2" strips and one 13 1/4" strip. From these strips cut the following pieces.

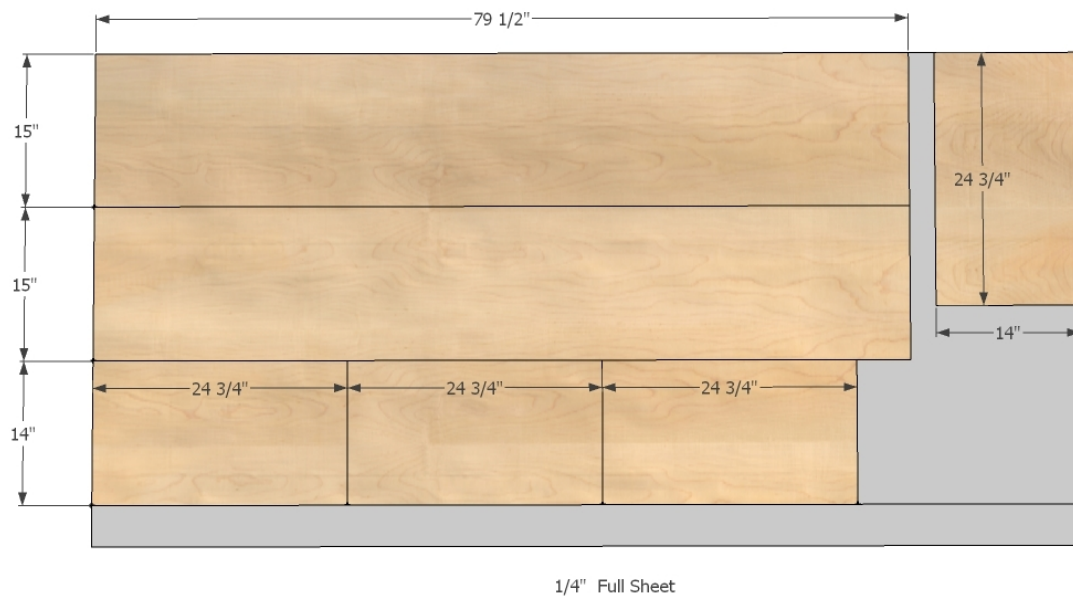
Step 3



Plywood Cut #1

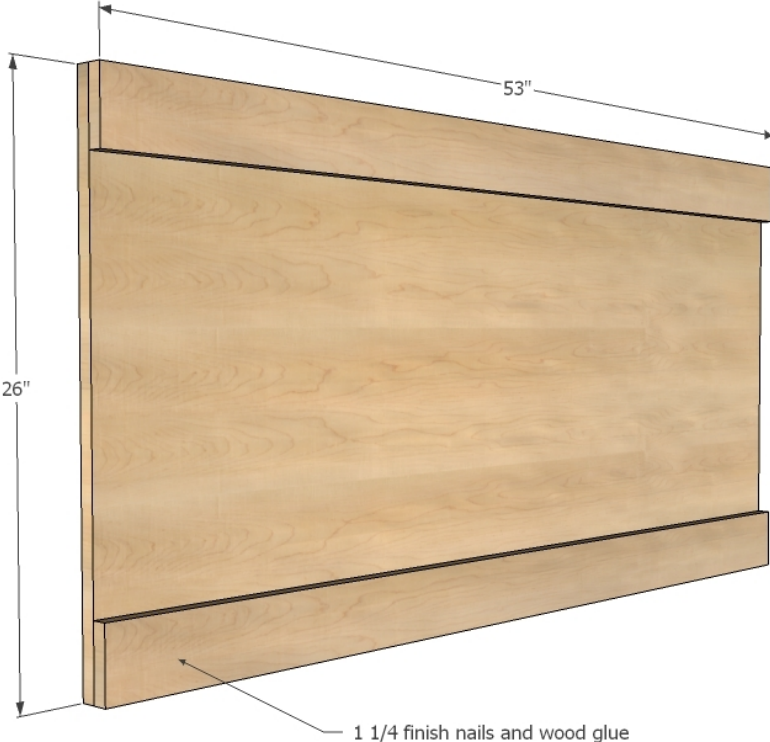
From the final 3/4" piece of plywood, cut it cross wise as noted in the diagram, and then cut your headboard and footboard panel from the larger half. From the remaining pieces, cut your remaining drawer faces as shown above.

Step 4



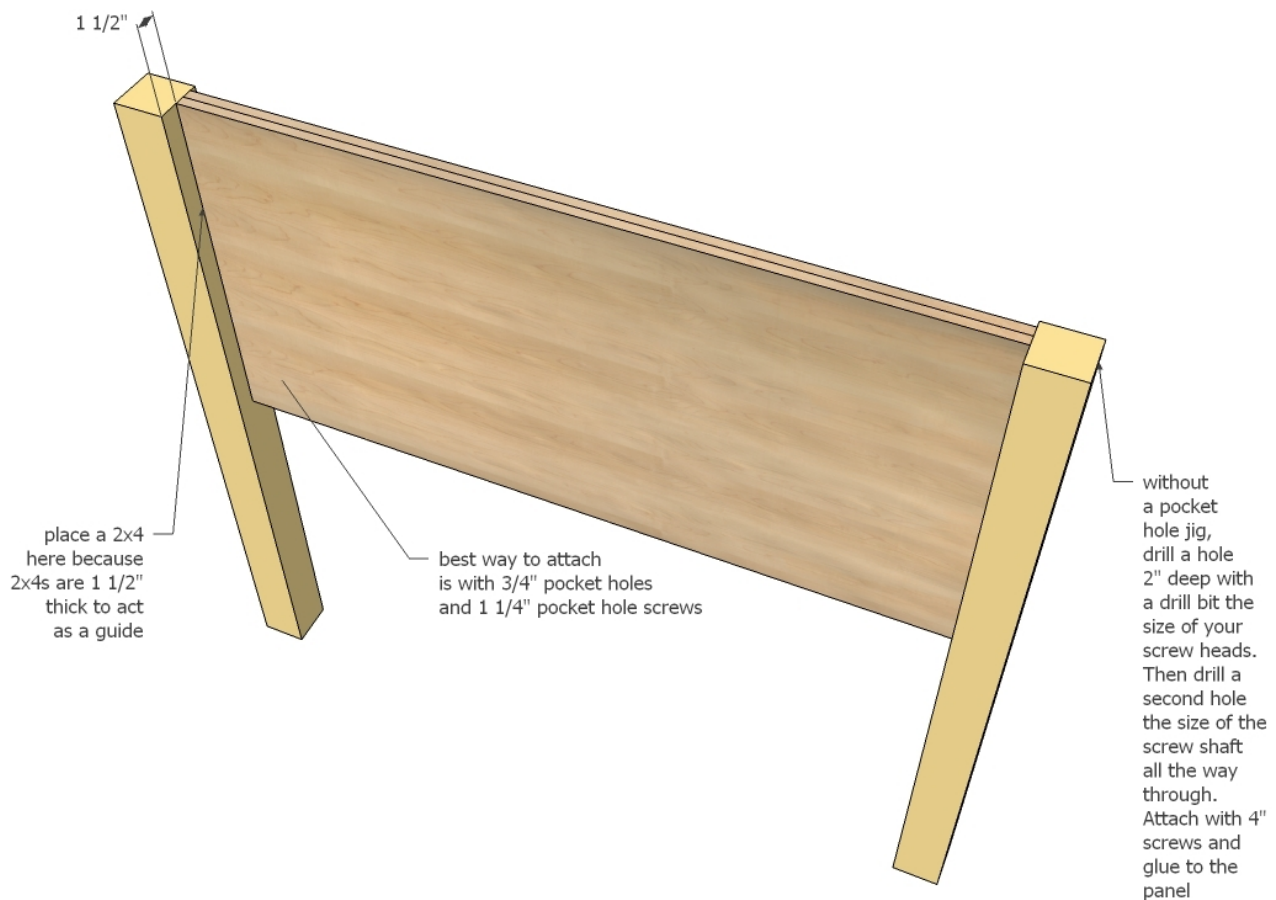
From the 1/4" plywood, cut the following pieces. You will need to either purchase an additional 1/2 sheet of plywood for the two remaining drawer bottoms, or you could use leftover 3/4" stock for the remaining two drawer bottoms.

Step 5



The largest cuts on this diagram should be 80-1/4" long, NOT 79-1/2".

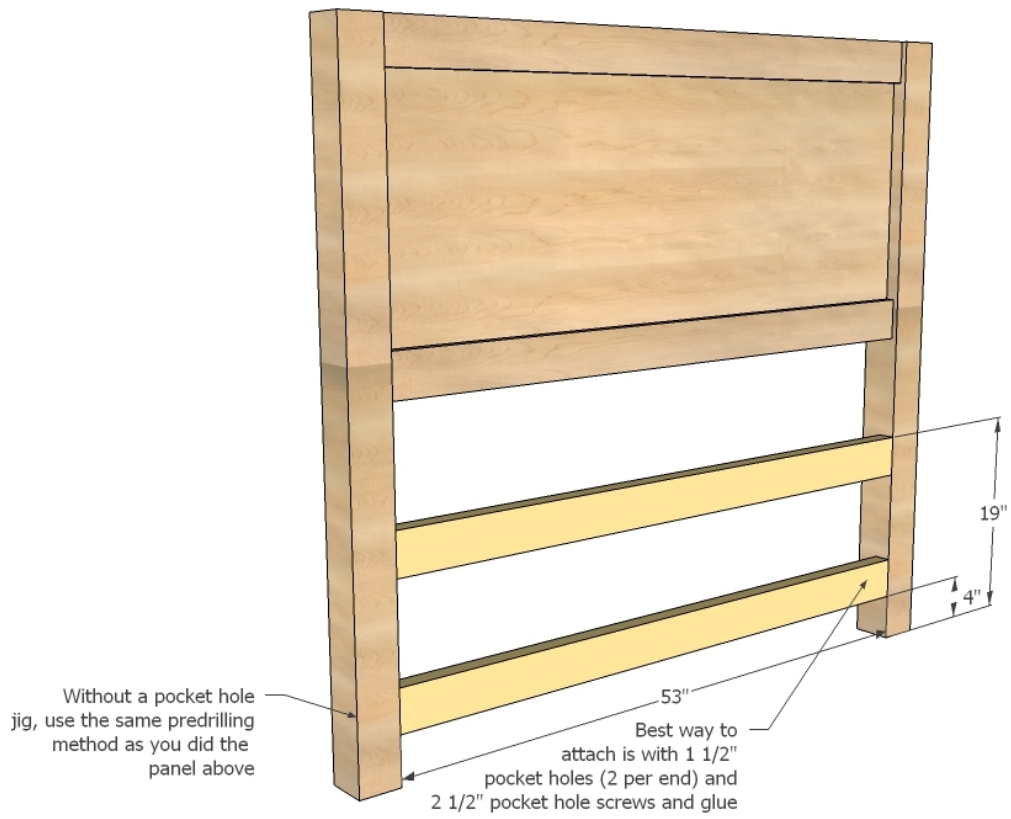
Step 6



Drill 3/4" pocket holes along sides of panel and attach to legs. Make sure you are leaving 1 1/2" to the back of the panel as shown above (Very important with footboard).

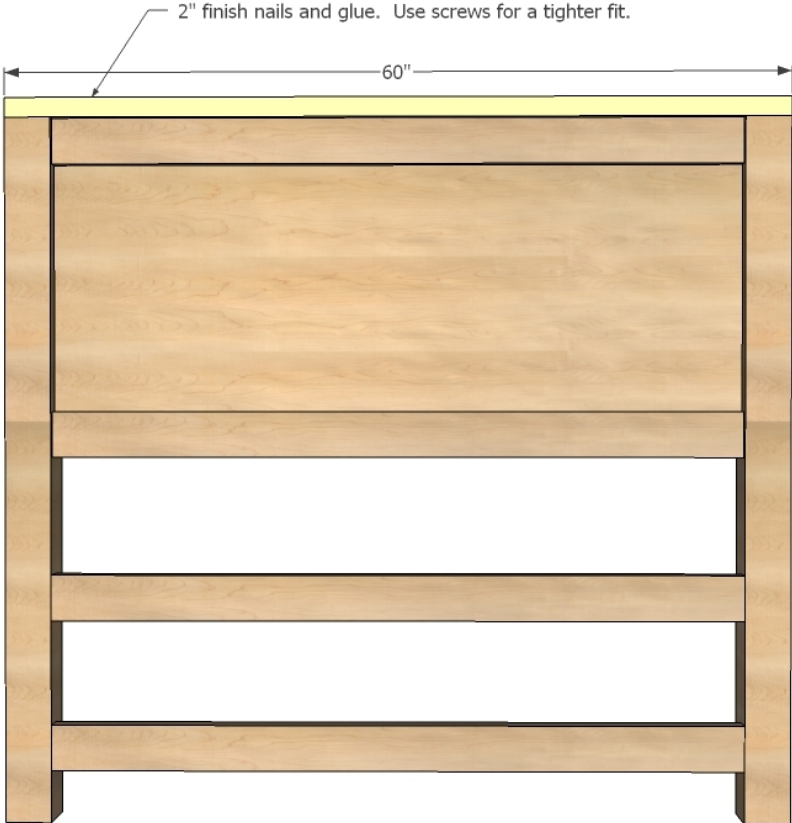
If you are using traditional screws, mark the legs where they meet up with the panel at the top and bottom (where the panel is covered in trim. Use a drill bit the size of the screw head to drill a hole 2" deep into the legs. In this hole, use a drill bit the size of the screw head to drill a second hole all the way through the 4x4s. Attach to panel with 4" screws and glue.

Step 7



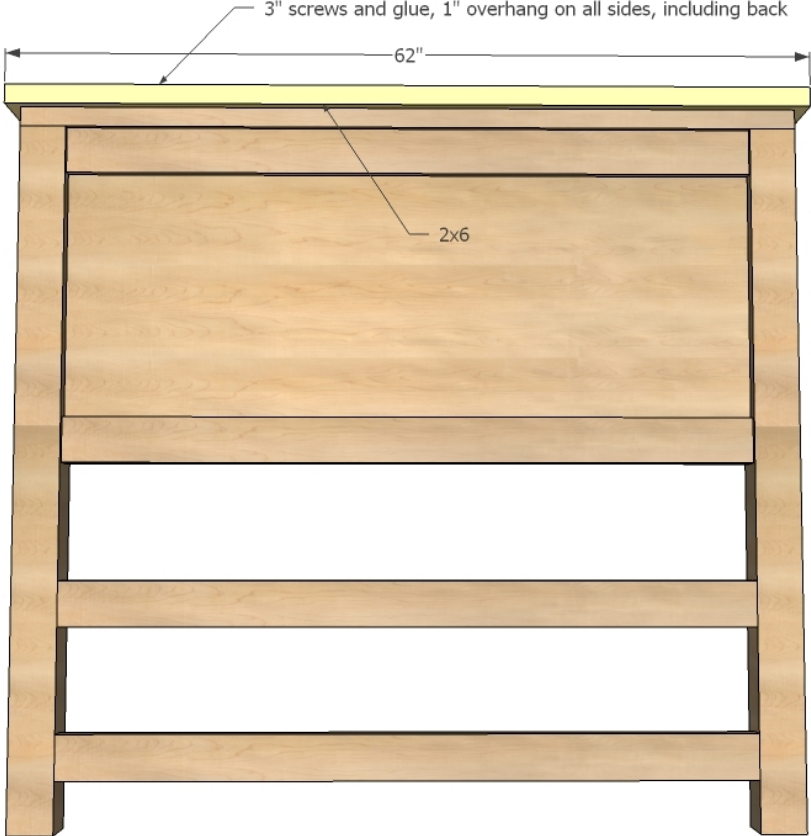
Attach the bottom supports in the same manner as the panel, carefully locating as shown in diagram.

Step 8



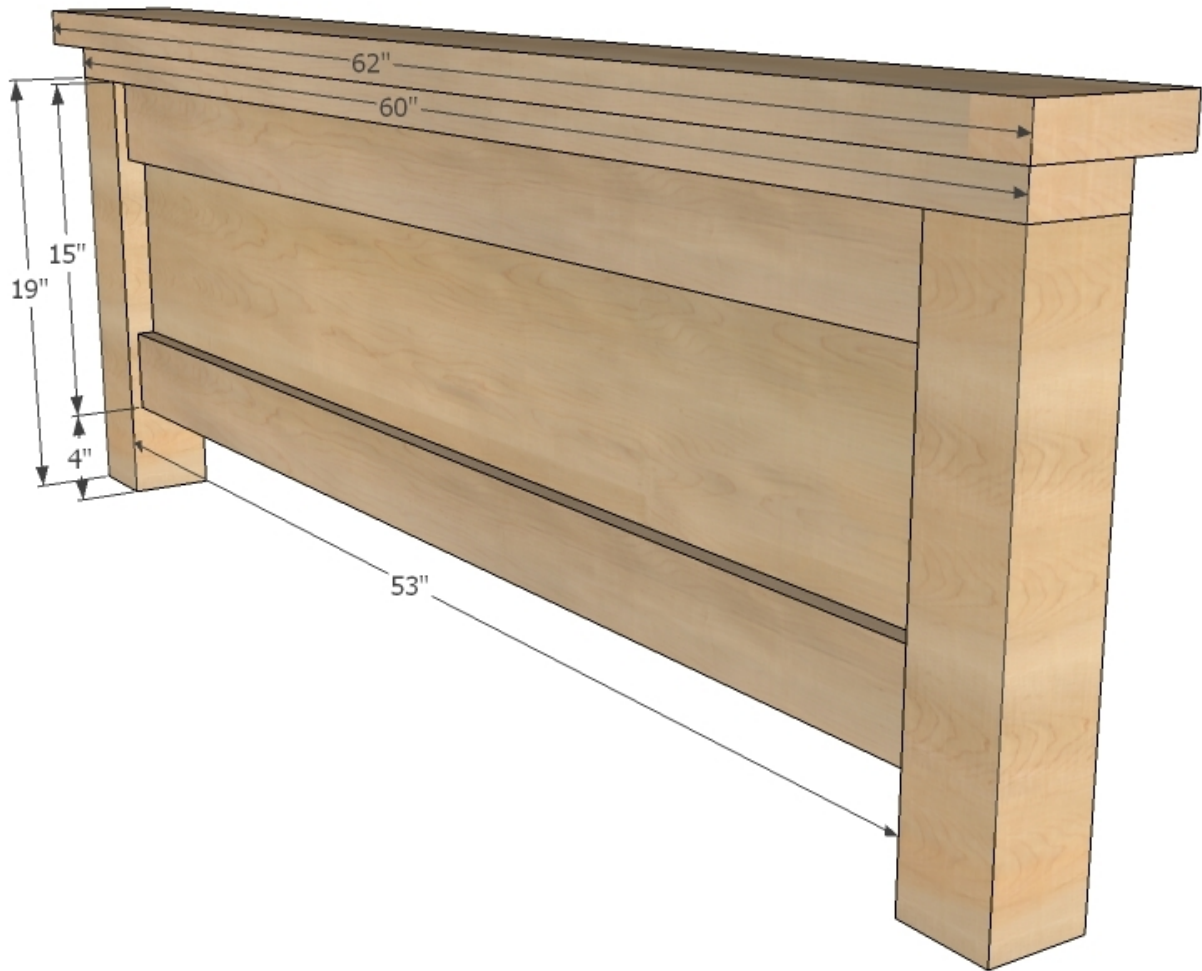
Attach as shown above.

Step 9



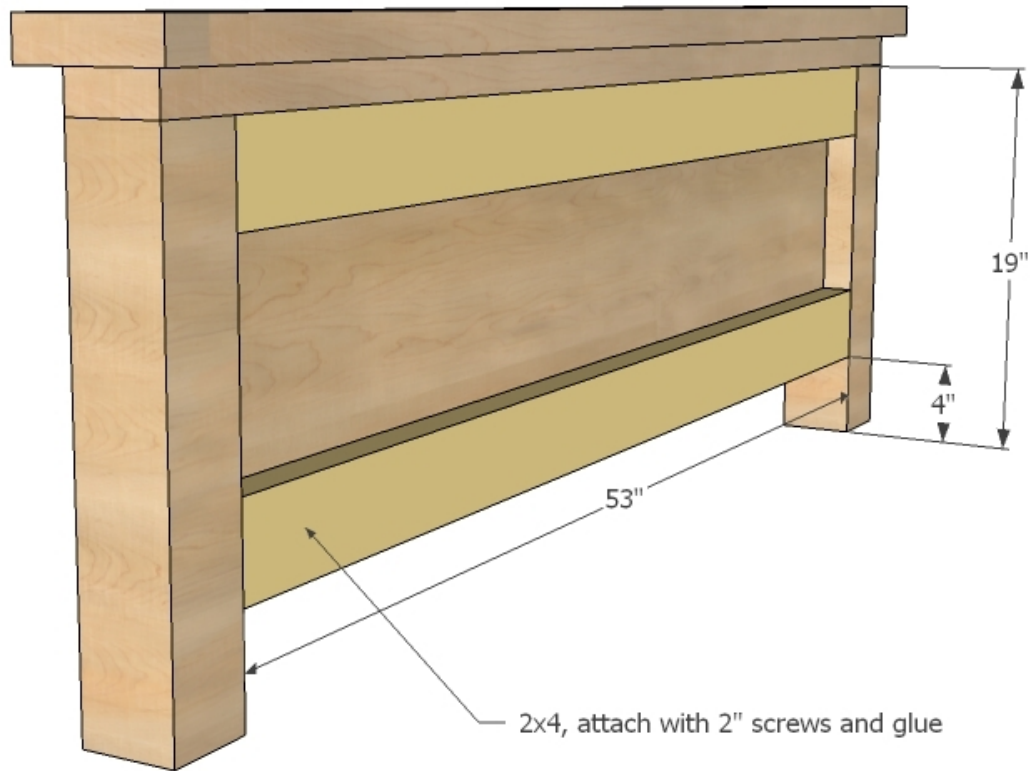
Finally the crown. I'd screw on myself to minimize any gaps.

Step 10



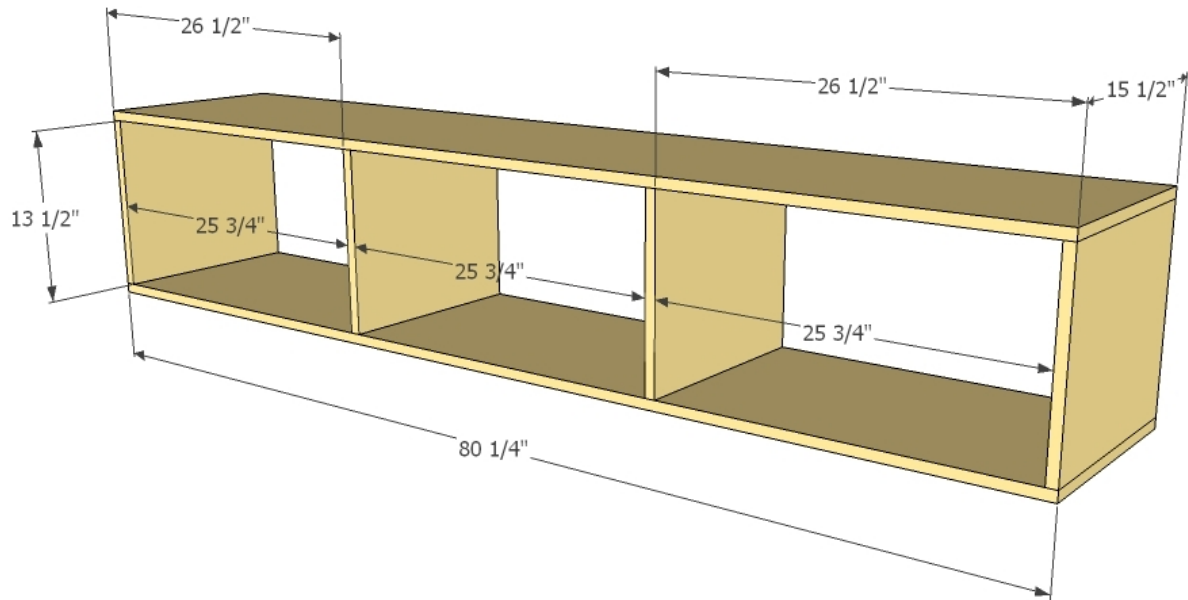
The footboard is built just like the headboard - make sure you leave 1 1/2" to the back of the panel - see next step ...

Step 11



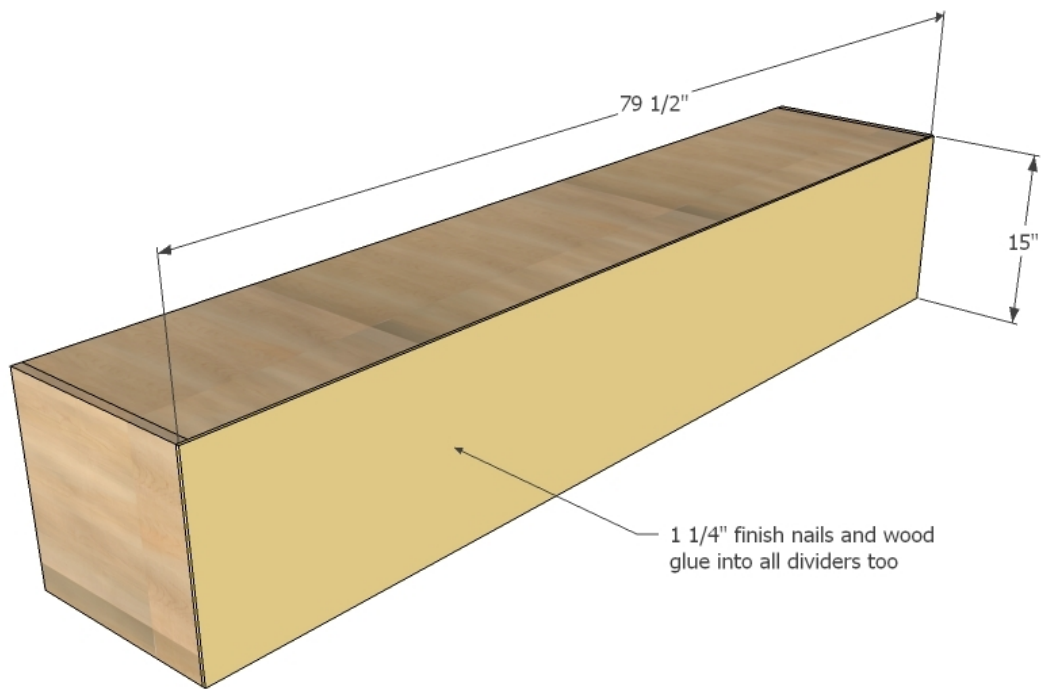
This is so your 2x4 spacers fit just right in the backs. Attach with screws and glue.

Step 12



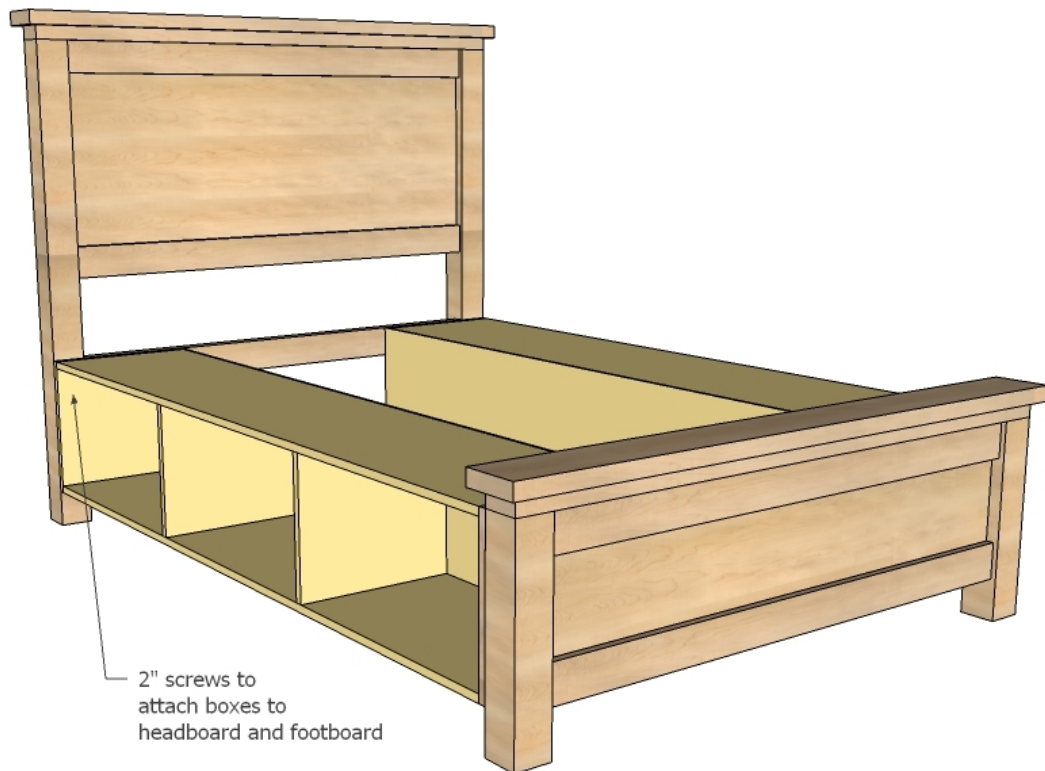
You can build these with either a pocket hole jig or traditional screws. Build square if you are using drawers or your drawers will not slide right.

Step 13



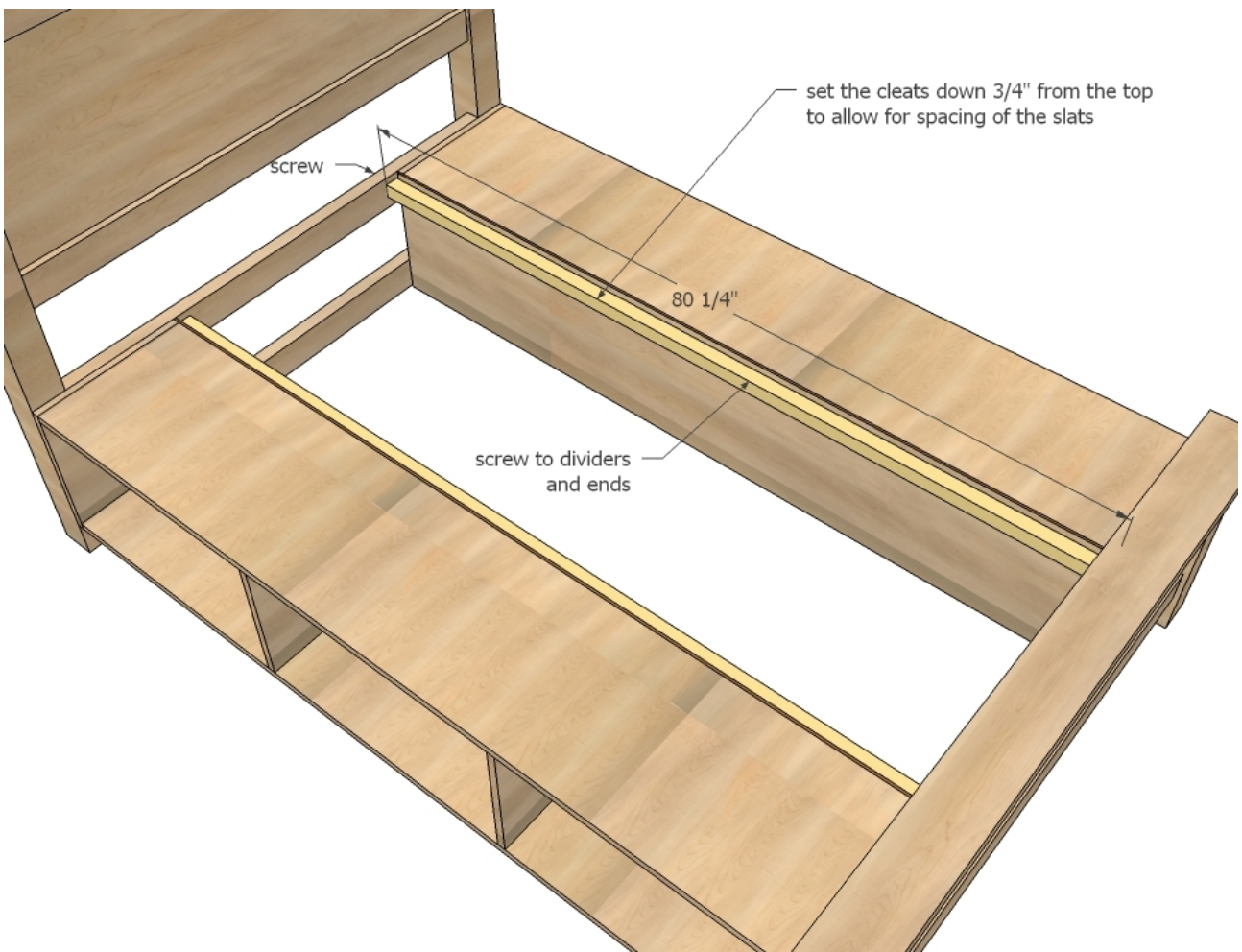
Attach back to the boxes with finish nails and glue. Make sure you nail into all center dividers too. The back will help keep things straight and minimize sagging.

Step 14



Now this is where things get fun! Take a minute and cut some leftover 4x4s or 2x4s 4" long and use them as blocking to hold the boxes up as you screw to the headboard and footboard. Screw from the inside of the boxes into the legs and supports.

Step 15



Attach the cleats to the back side of the boxes, leaving 3/4" gap to the top.

Step 16



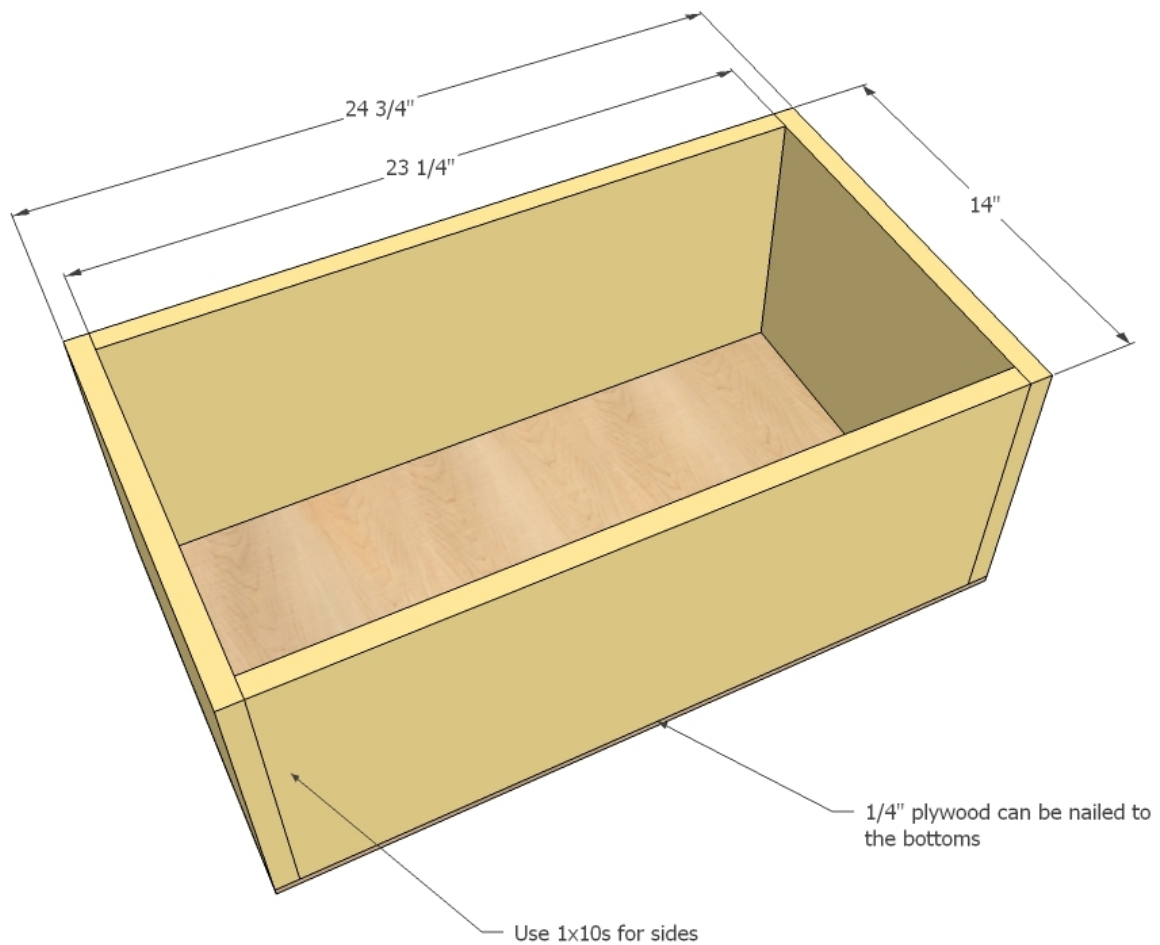
Especially if you move up to a king, you will need to add some support to the center. Some 2x2s "legs" as shown above will never be seen, but add a tremendous amount of support to the bed.

Step 17



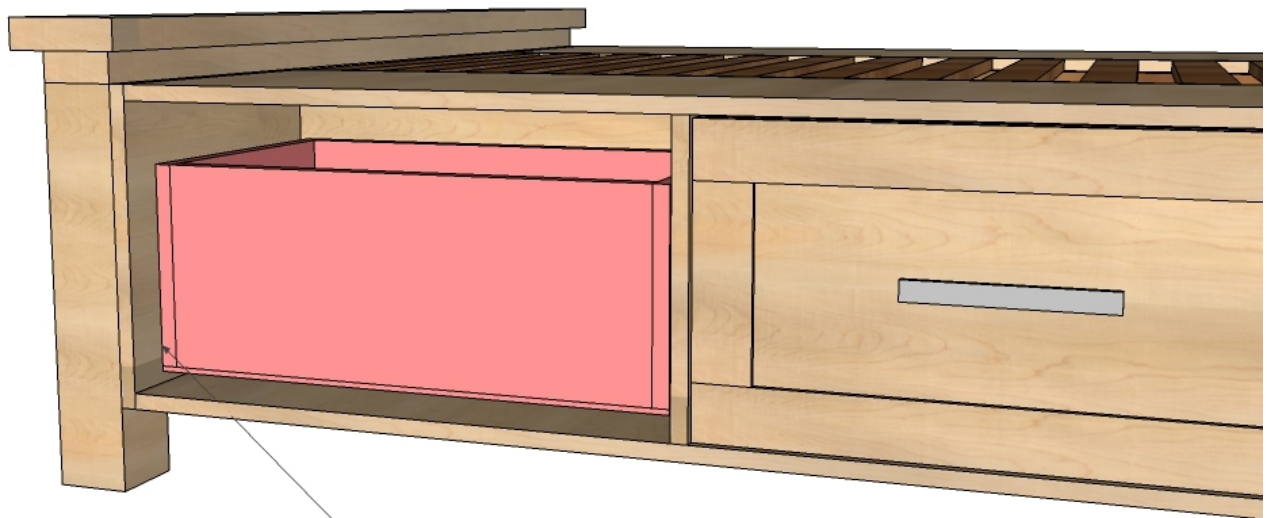
Finally, lay the slats. Per your mattress recommendation, you may need more (or can get away with less) slats.

Step 18



Build six drawers as shown above. Your drawers must be perfectly square to slide properly into the bed. Remember, your drawer should be exactly 1" less than the overall width of the opening, and 1" less deep as well.

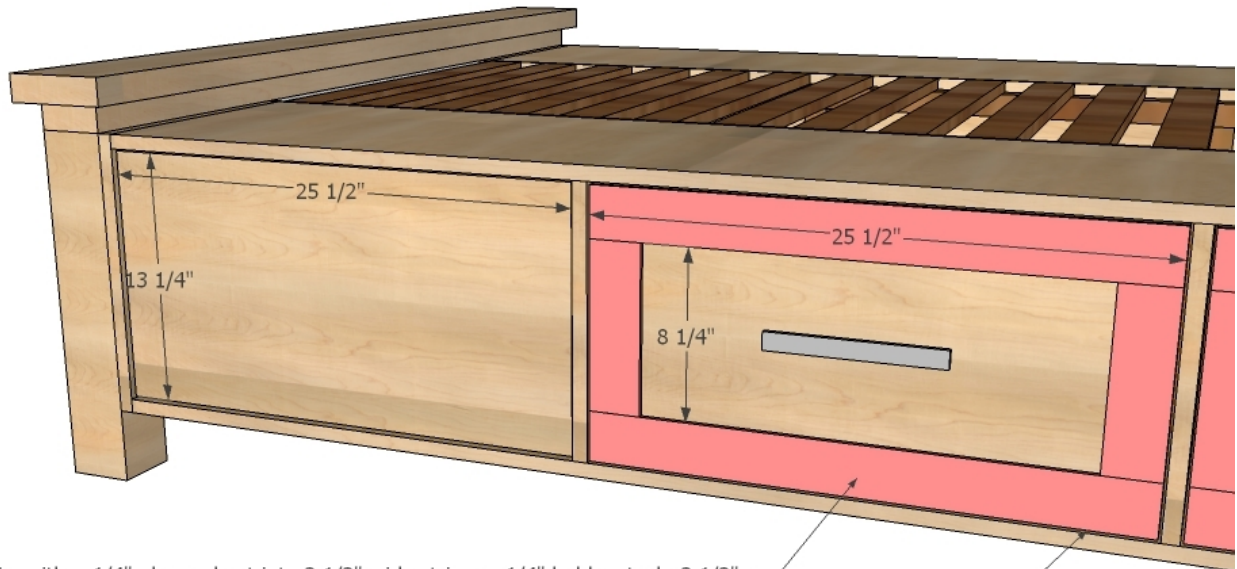
Step 19



install drawers so they are inset 1" to allow for face.
Use drawer slides.

Install drawers into bed as shown in diagram, using the white euro style drawer slides that cup the bottom corners of the drawers. Make sure drawer sits inset 1" from outside of box to allow for drawer face. Adjust drawer slides until you are satisfied with how the drawer opens/closes.

Step 20



Use either 1/4" plywood cut into 2 1/2" wide strips or 1/4" hobby stock, 2 1/2" wide to decorate drawer faces. Attach with glue and 3/4" finish nails

Drawers faces are attached to drawers by setting face on drawer, with equal 1/8" gaps on all sides. Attach with 1 1/4" finish nails. Further attach from inside with screws.

Build the drawer faces by attaching 1/4" hobby stock (or other moulding) to the faces with 3/4" finish nails and glue. Place drawer face on installed drawers, with an 1/8" gap on all sides of drawer face. Attach with 1 1/4" finish nails and wood glue.

Dimensions:

