DIY Kids House Bed

Difficulty
Moderate

This fun DIY kids house bed is a great weekend project that's sure to put a smile on your little ones face. This plan is for a twin size house bed, but is easily modified for a toddler, full, queen, or even a king if you wanted. It's built in sections for easy assembly and disassembly when needed.

Tools

Kreg Tools

 Kreg® Pocket-Hole Jig 720

Other Tools

Miter Saw

Square

Tape Measure

Clamps

Drill (cordless)

Sander

Materials

Wood Products

4   Board , 2x6 , 120"

12   Board , 2x4 , 96"

1   Board , 2x2 , 96"

8   Board , 1x4 , 120"

Hardware & Supplies

48   2 1/2" Pocket Hole Screws

36   1 1/4" Pocket Hole Screws

18   2 1/2" Wood Screws
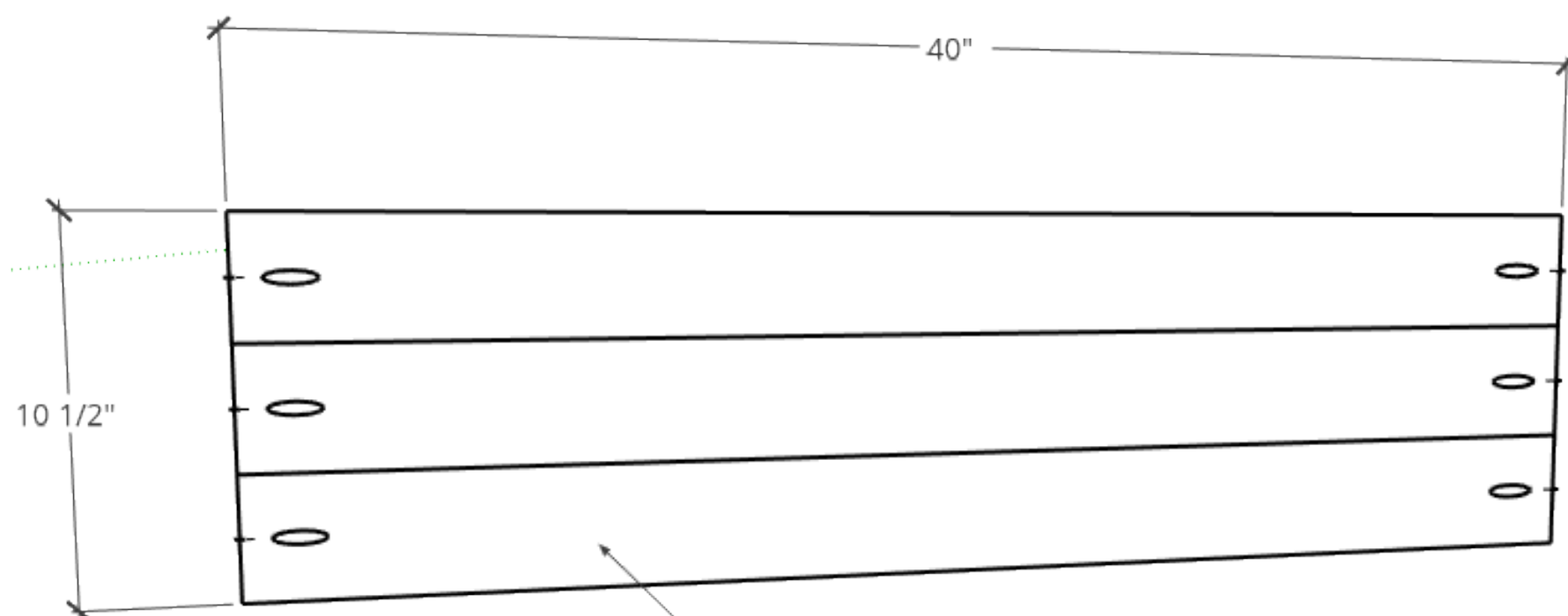
45   1 1/4" Wood Screws

Cut List & Parts

4   Corner Side Panel Posts , 1 1/2" X 3 1/2" X 54"

4   Side Panel Top And Bottom , 1 1/2" X 5 1/2" X 40"

6   Side Panel Slats , 3/4" X 3 1/2" X 40"

4   Side Panel Roof Tops , 1 1/2" X 3 1/2" X 30 3/8"

1   Front Frame Bottom , 1 1/2" X 5 1/2" X 73"

2   Front Frame Tops , 1 1/2" X 5 1/2" X 24"

2   Front Frame Insides , 1 1/2" X 3 1/2" X 10 1/2"

2   Front Frame Outsides , 3/4" X 3 1/2" X 10 1/2"

6   Front Panel Slats , 3/4" X 3 1/2" X 20 1/2"

2   Back Frame Top And Bottom , 1 1/2" X 5 1/2" X 73"

2   Back Frame Sides , 1 1/2" X 3 1/2" X 10 1/2"

1   Back Frame Middle , 3/4" X 3 1/2" X 10 1/2"

3   Back Panel Slats , 3/4" X 3 1/2" X 66"

2   Front And Back Roof Supports , 1 1/2" X 3 1/2" X 73"

1   Roof Top Support , 1 1/2" X 1 1/2" X 73"

2   Bed Slat Runners , 1 1/2" X 3 1/2" X 75"

9   Bed Slats , 3/4" X 3 1/2" X 40"

9   Bed Slat Middle Supports , 1 1/2" X 3 1/2" X 3 1/2"

Directions

1 **Build Side Slat Panels**

Build TWO identical side panels like shown using 1x4 boards. Join using wood glue, biscuits, dowels, or pocket hole joinery. I just glued and clamped until dry. Once dry, drill ¾" pocket holes into each end of each board like shown.
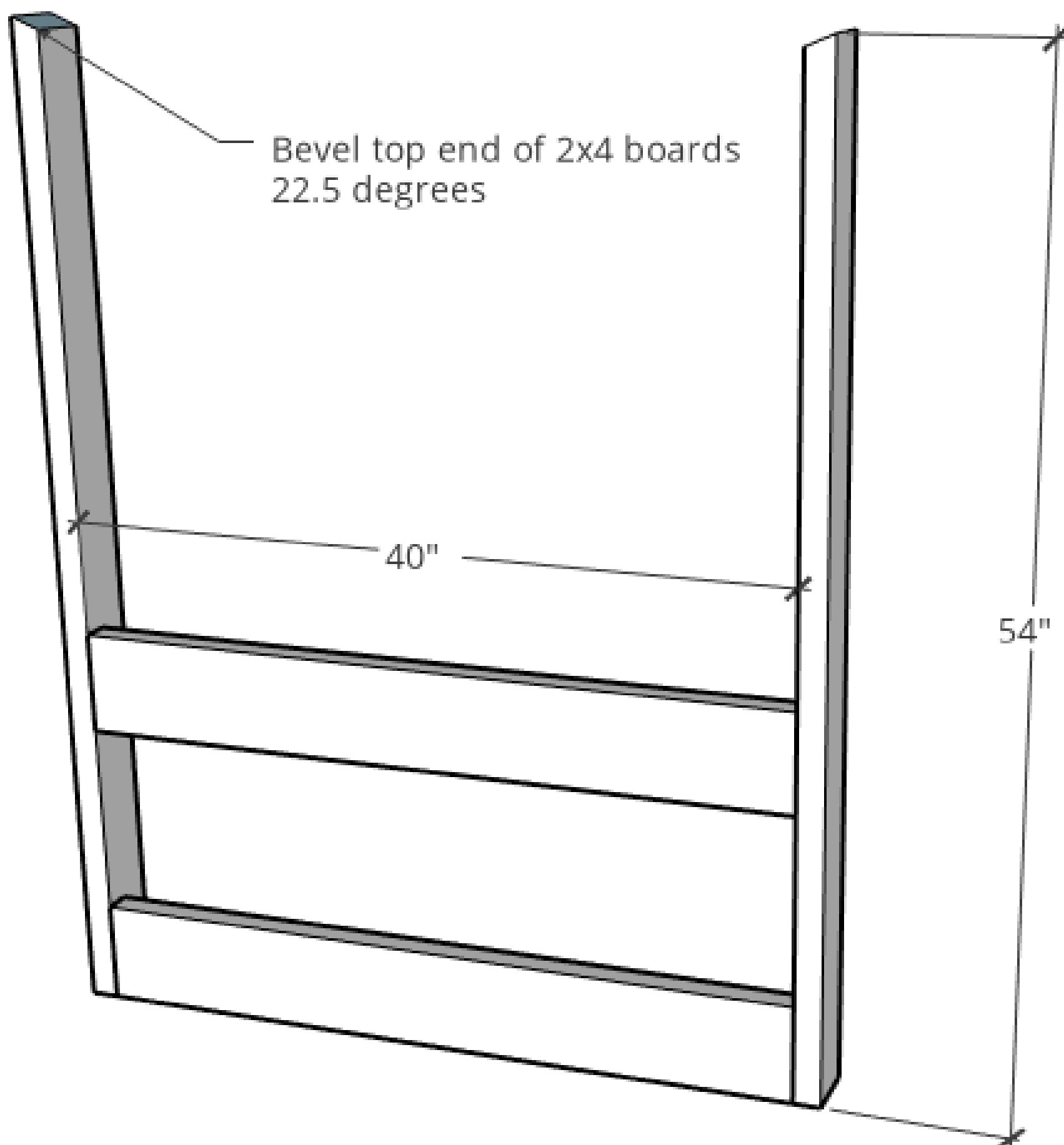
40"

10 1/2"

Join together three 1x4 boards to make a panel 10 1/2" x 40". Join by wood glue, dowels, or pocket holes and screws. Drill 3/4" pocket holes on each end of each board like shown.
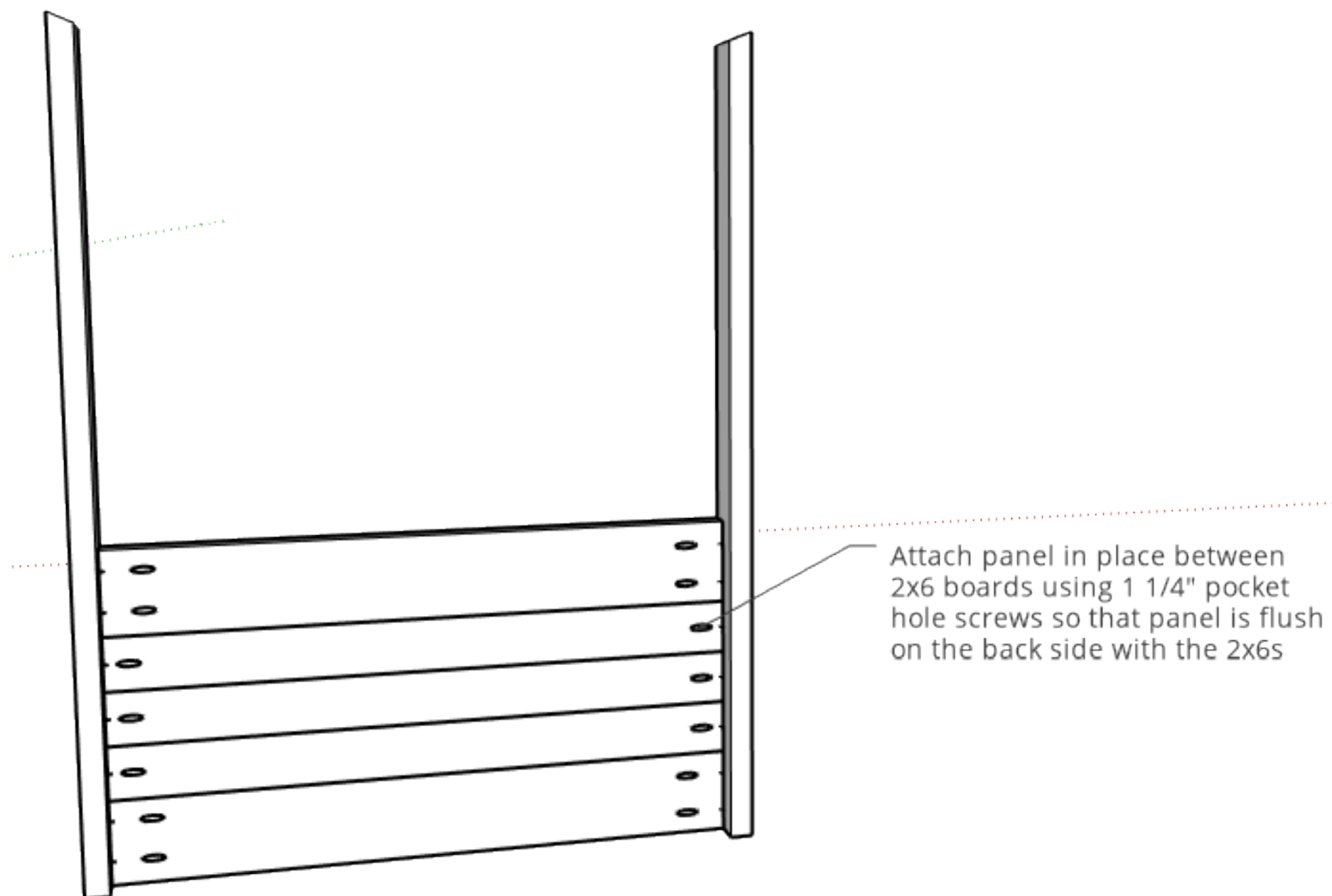
2 Assemble Side Panel Frames

Assemble TWO identical side panel frames like shown. Use 2x4 posts as the sides and 2x6s as the top and bottom. Bevel the top ends of the 2x4s at 22.5 degrees. Attach the 2x6s between the 2x4s using 1 ½" pocket holes and 2 ½" pocket hole screws. Attach so that there is 10 1/2" between the top and bottom 2x6 boards and so that they are flush along the outside of the 2x4s.

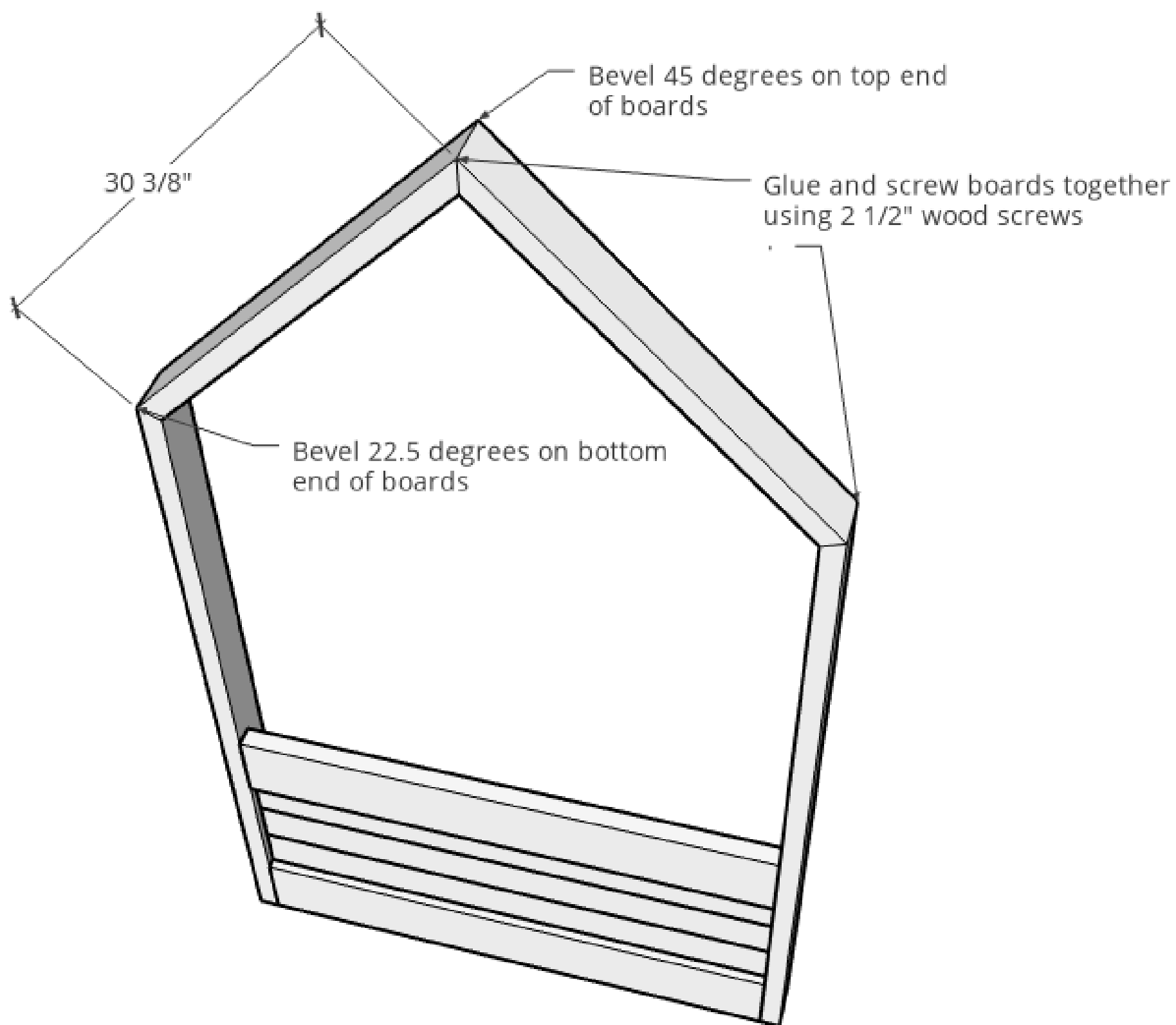Bevel top end of 2x4 boards 22.5 degrees

40"

54"

3 Install Side Panels

Install side panels into side panel frame like shown. Attach flush to the back side of the 2x6s using 1 ¼" pocket hole screws.

Attach panel in place between 2x6 boards using 1 1/4" pocket hole screws so that panel is flush on the back side with the 2x6s
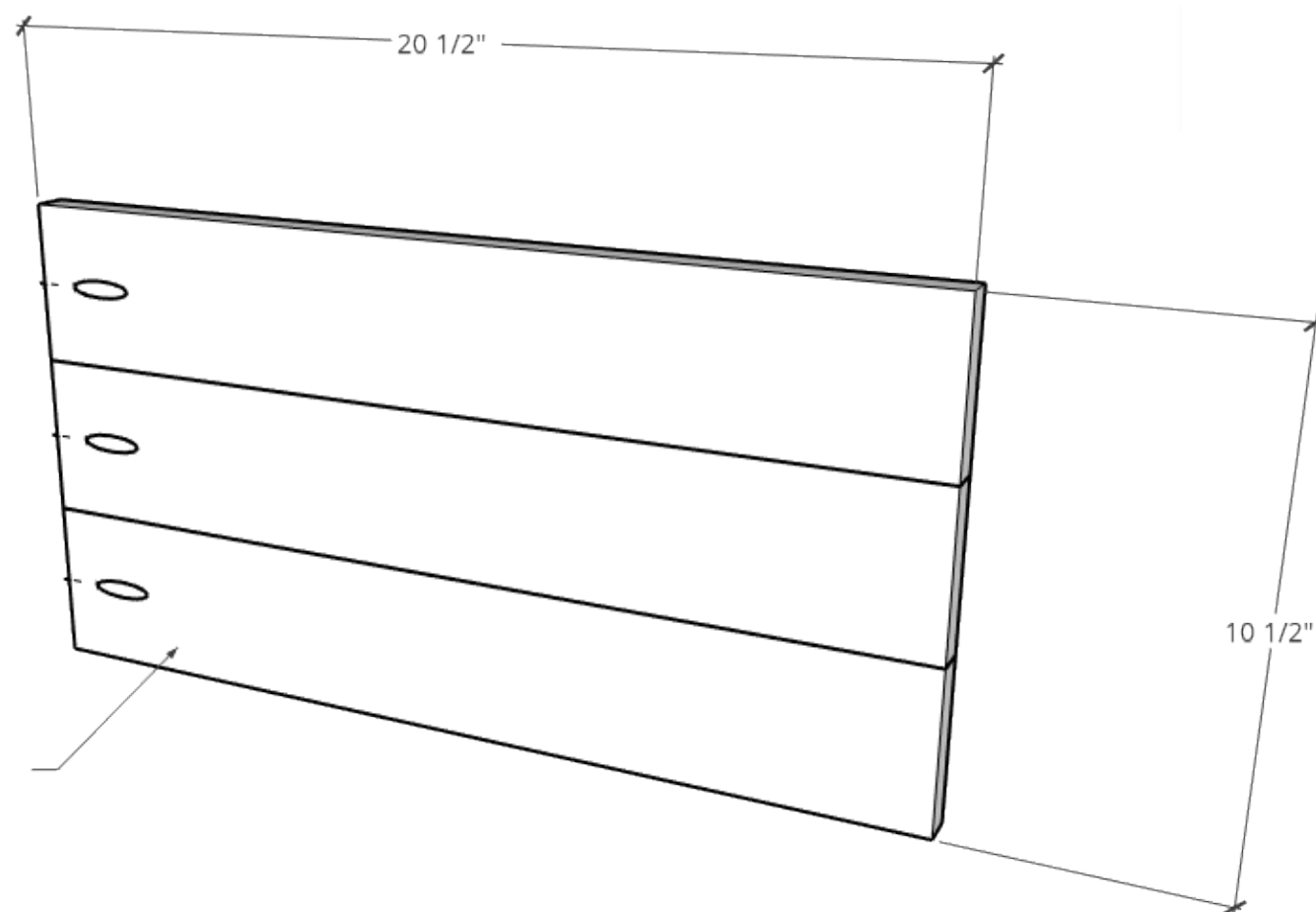
4 Attach Roof Tops

Cut 2x4s for the roof tops like shown. Bevel the top ends 45 degrees and the bottom ends 22.5 degrees. Attach at all joints using wood glue and 2 ½" wood screws. I found it easiest to attach the two boards together at the top peak using wood glue and 2 ½" wood screws. Then, attach the ends to the side panel posts using wood glue and 2 ½" wood screws. You can see this in the video in the extras tab.

30 3/8"

Bevel 45 degrees on top end of boards

Glue and screw boards together using 2 1/2" wood screws

Bevel 22.5 degrees on bottom end of boards

5 Build Front Slat Panels

Build two identical panels like shown. Glue (3) 1x4 boards together to create each panel. You could also join using biscuits, dowels, or pocket hole joinery. I just used wood glue and clamped until dry. Once dry, drill a ¾" pocket hole into each board only on one end.

20 1/2"

10 1/2"

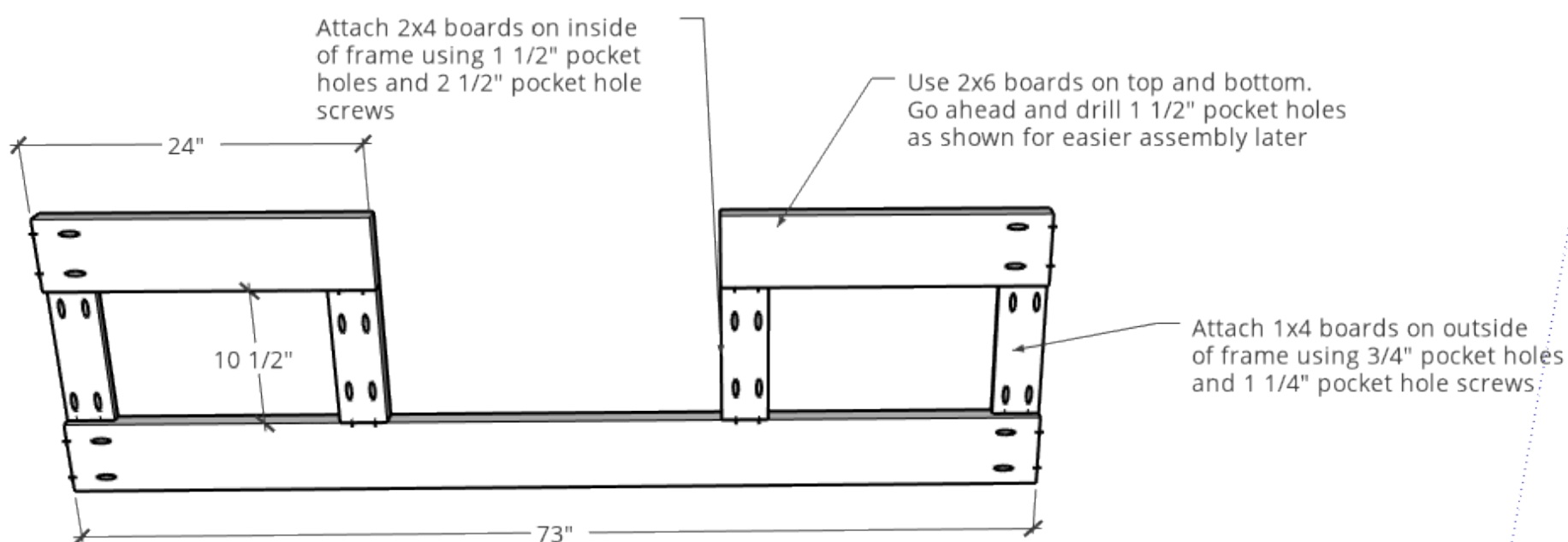Join 1x4s like shown to create two panels 10 1/2" x 20 1/2". Join using wood glue, dowels, or pocket hole joinery. Drill 3/4" pocket holes into ONE END like shown.
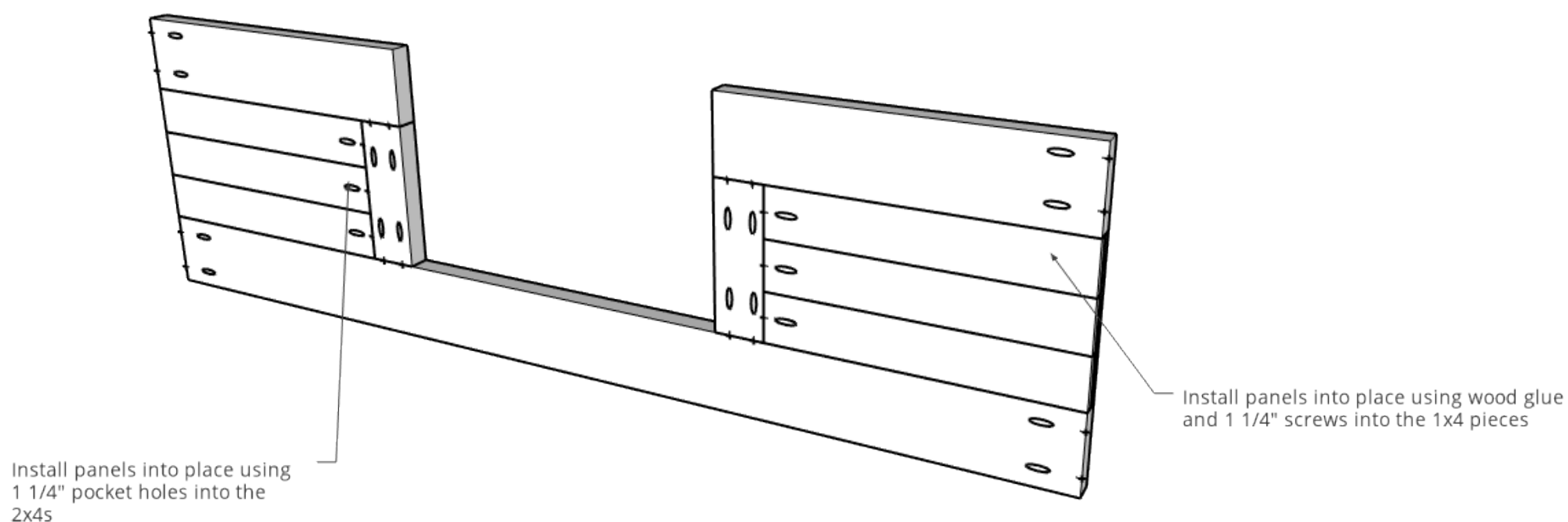
6 Assemble Front Panel Frame

Assemble the frame of the front panel like shown. Use a 2x6 on the bottom and for the two tops. Use 2x4s for the inside frame pieces and 1x4s on the outsides. Assemble with 1 ½" pocket holes and 2 ½" pocket hole screws on the 2x material and ¾" pocket holes and 1 ¼" pocket hole screws on the 1x4. Go ahead and drill 1 ½" pocket holes into the outside ends of the 2x6 boards like shown for easier assembly in a later step.

Attach 2x4 boards on inside of frame using 1 1/2" pocket holes and 2 1/2" pocket hole screws

Use 2x6 boards on top and bottom. Go ahead and drill 1 1/2" pocket holes as shown for easier assembly later

Attach 1x4 boards on outside of frame using 3/4" pocket holes and 1 1/4" pocket hole screws
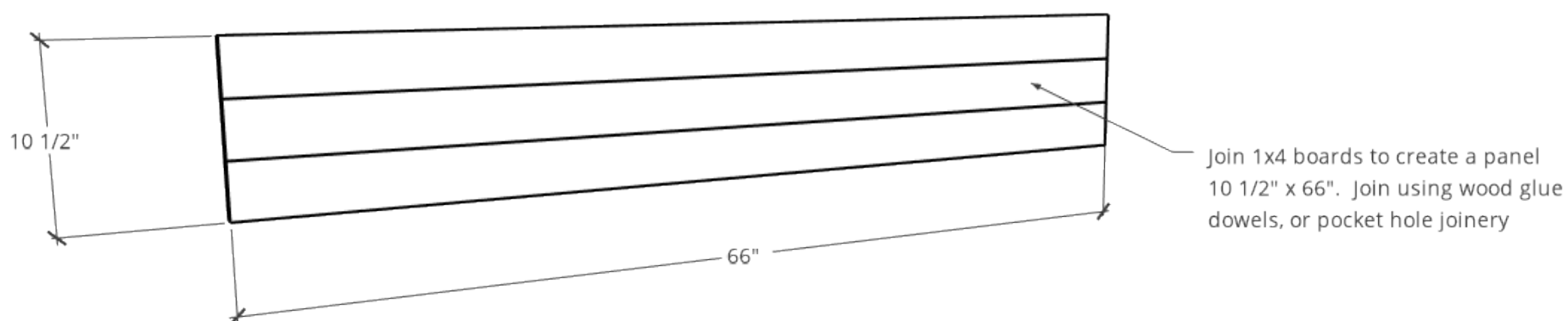
24"

10 1/2"

73"

7   Install Front Panels

Install front panels into the front panel frame like shown. Use 1 ¼" pocket hole screws to attach to the side of the 2x4 board and use wood glue and brad nails or 1 ¼" screws to attach to the back of the 1x4 board.

Install panels into place using 1 1/4" pocket holes into the 2x4s

Install panels into place using wood glue and 1 1/4" screws into the 1x4 pieces
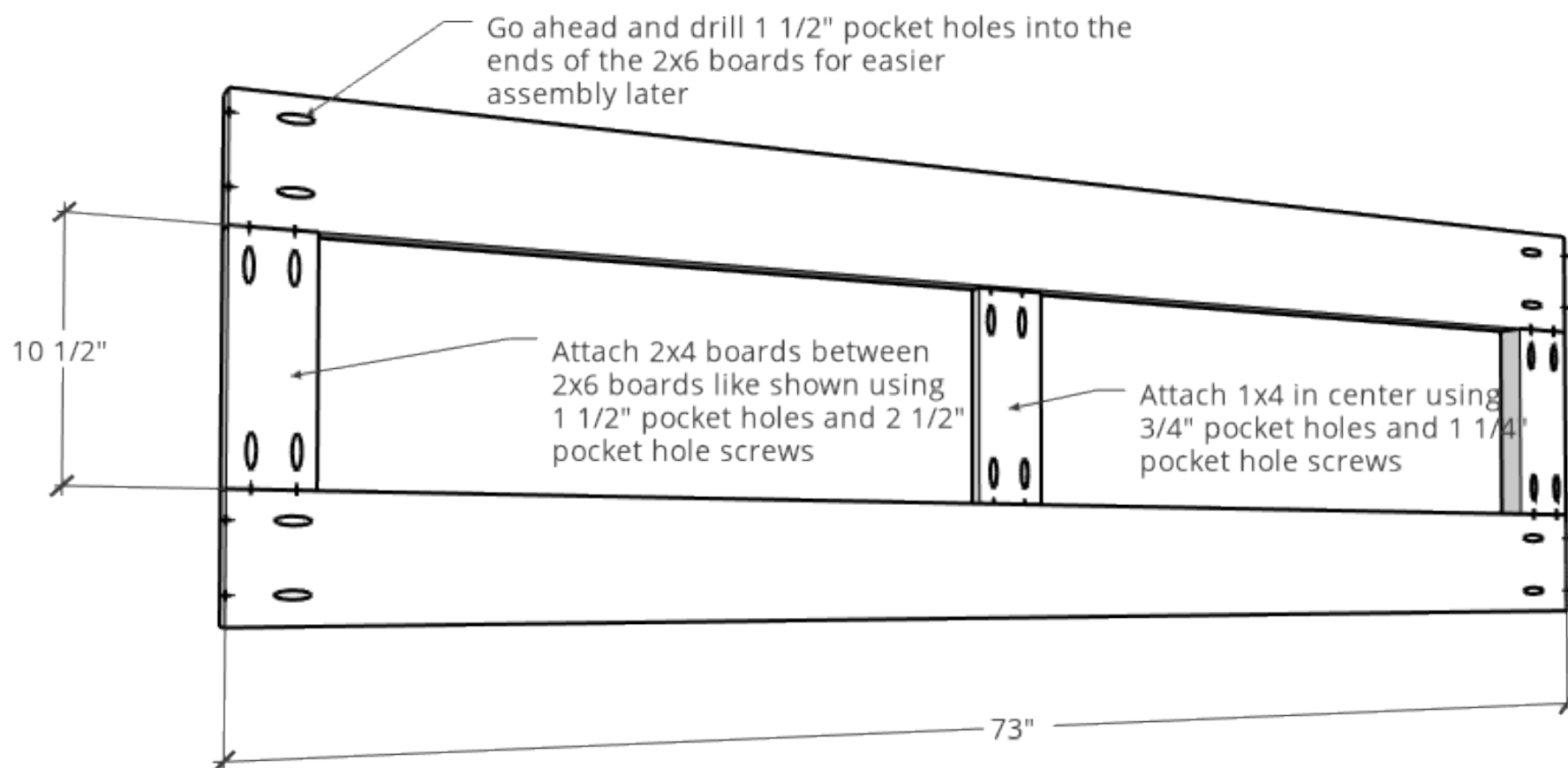
8   Build Back Slat Panel

Build a panel like shown using a 1x4 boards. Glue them together to create a solid panel just like step 2. Alternately, you can use dowels, biscuits, or pocket hole joinery here as well. I just glued and clamped until dry.

10 1/2"

66"

Join 1x4 boards to create a panel 10 1/2" x 66". Join using wood glue dowels, or pocket hole joinery
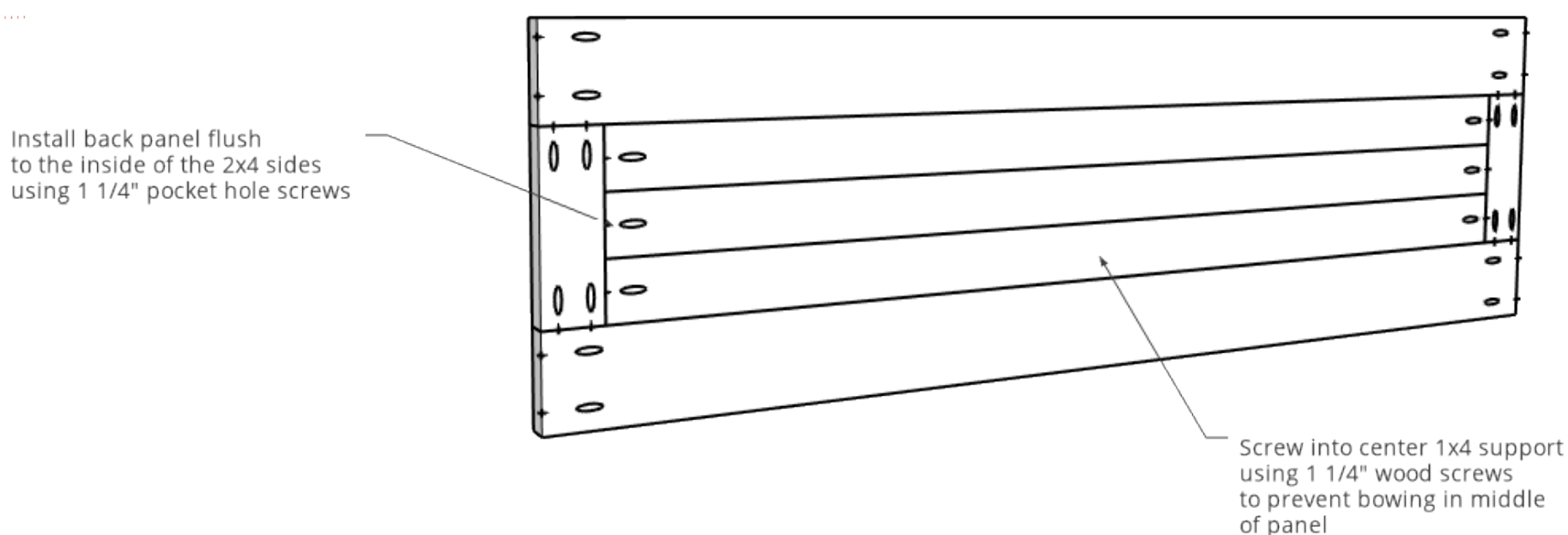
9 **Assemble Back Panel Frame**

Assemble the back panel frame like shown. Use 2x6s for the top and bottom, 2x4s for the sides and a 1x4s in the center. Attach the 1x4 in center (flush with outside of frame) using ¾" pocket holes and 1 ¼" pocket hole screws. Attach 2x4s on outside using 1 1/2" pocket holes and 2 1/2" pocket hole screws. Go ahead and drill 1 ½" pocket holes into the ends of the 2x6 boards for easier assembly in a later step.

Go ahead and drill 1 1/2" pocket holes into the ends of the 2x6 boards for easier assembly later

10 1/2"

Attach 2x4 boards between 2x6 boards like shown using 1 1/2" pocket holes and 2 1/2" pocket hole screws

Attach 1x4 in center using 3/4" pocket holes and 1 1/4" pocket hole screws

73"

10 **Install Back Panel**
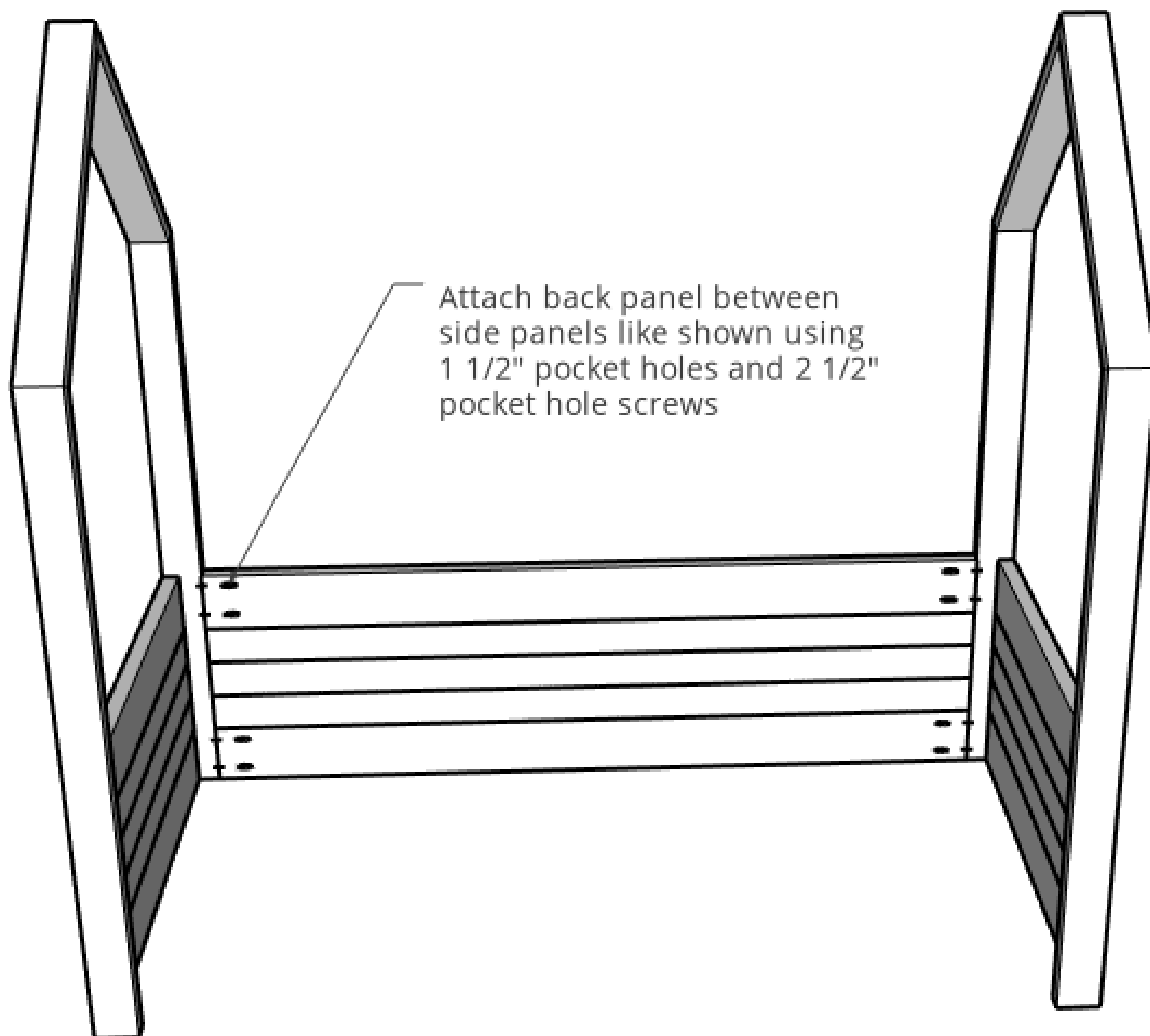
Install back panel into place in back panel frame using 1 ¼" pocket hole screws in the ends and 1 1/4" wood screws or brad nails into the center 1x4 like shown.

Install back panel flush to the inside of the 2x4 sides using 1 1/4" pocket hole screws

Screw into center 1x4 support using 1 1/4" wood screws to prevent bowing in middle of panel
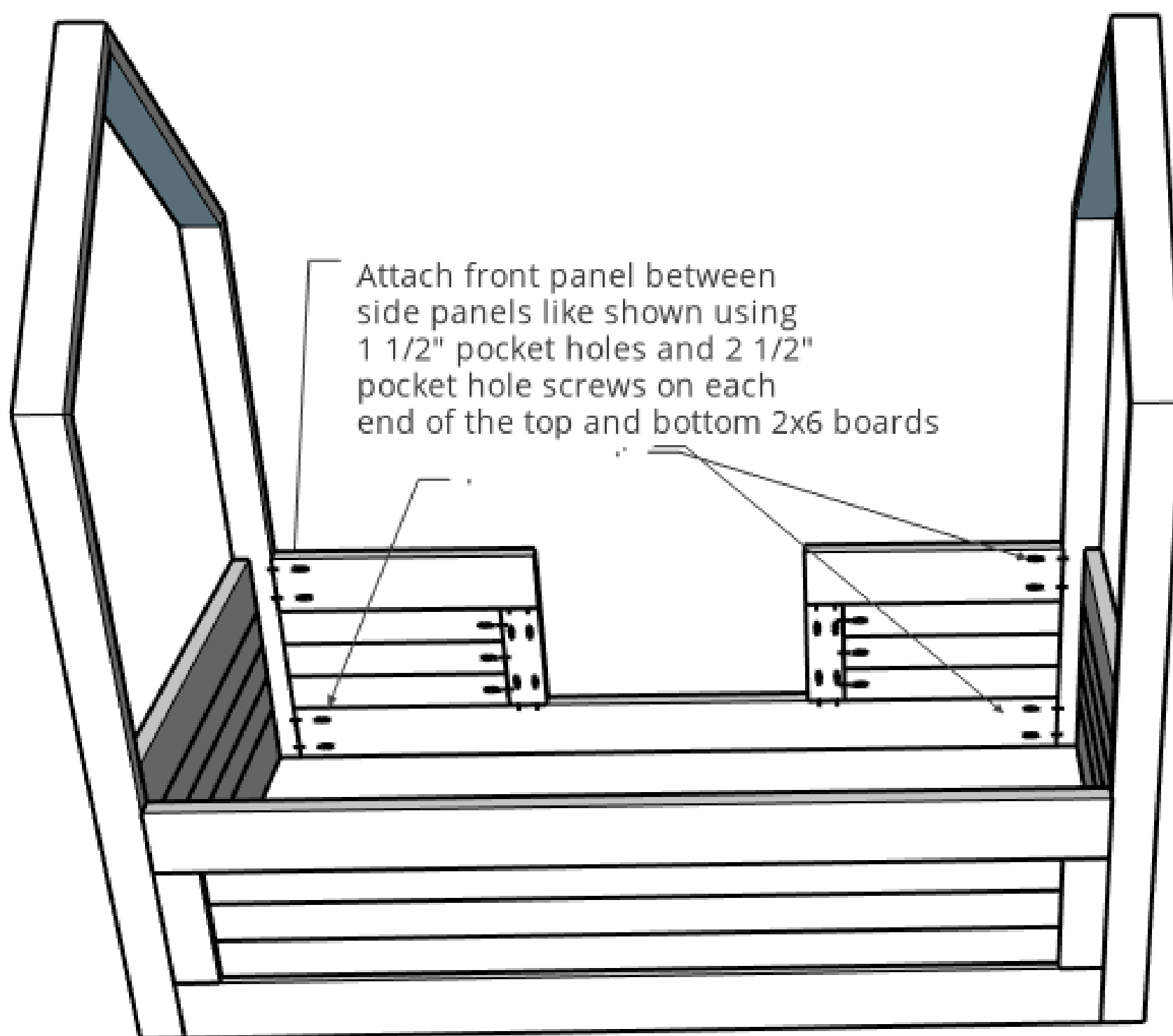
11 Assemble Bed

Now that you have two side panels, and a back and front panel, it's time to move them where the bed will be set up and start putting them together. To assemble the bed together, attach the back panel between the two side panels like shown using 2 ½" pocket hole screws through the top and bottom 2x6 boards.

Attach back panel between side panels like shown using 1 1/2" pocket holes and 2 1/2" pocket hole screws

12 Assemble Bed Cont.

Now, attach the front panel similarly using 2 ½" pocket hole screws through the 2x6 boards.

Attach front panel between side panels like shown using 1 1/2" pocket holes and 2 1/2" pocket hole screws on each end of the top and bottom 2x6 boards
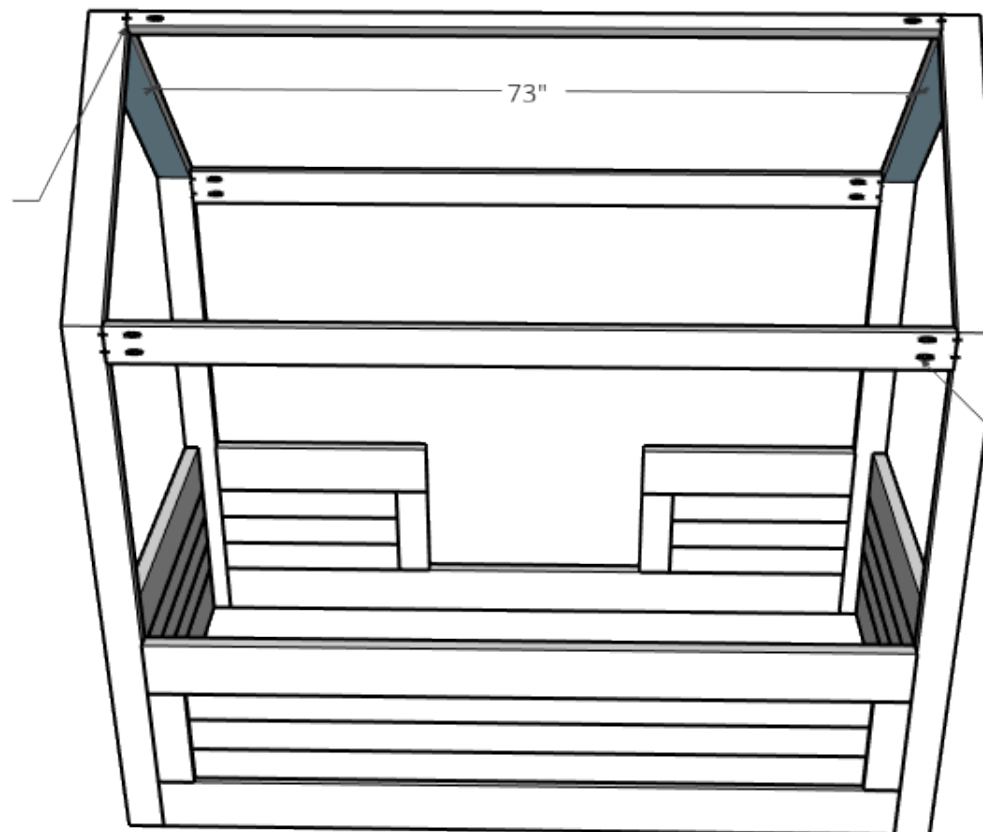
13 **Install Roof Roof Supports**

Cut two 2x4s and one 2x2 board to 73" and drill 1 ½" pocket holes into the ends. Attach like shown using 2 ½" pocket hole screws. Exact placement of these isn't crucial. You can place as high or as low as you wish.
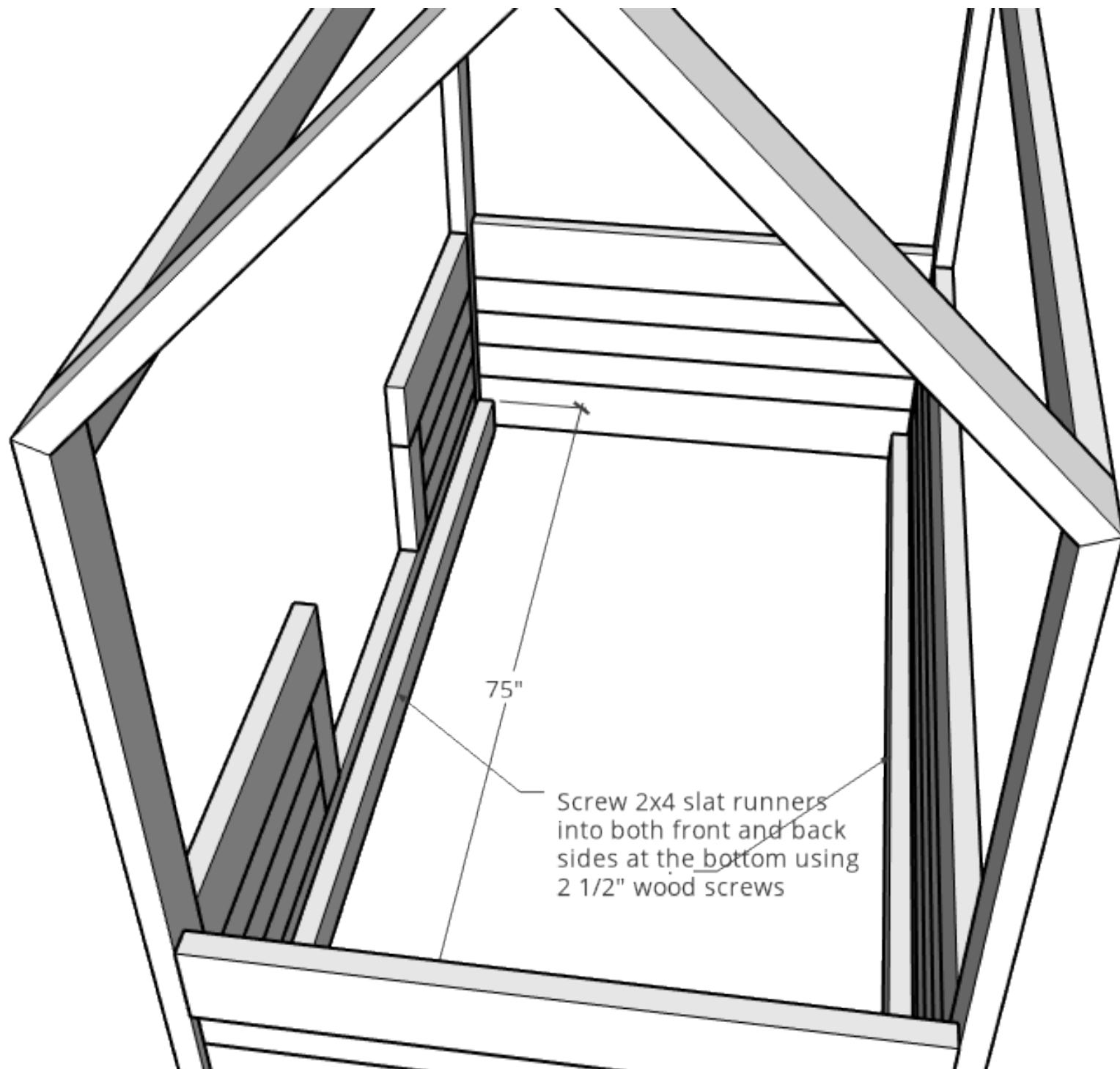

Attach 2x2 at top peak using 1 1/2" pocket holes and 2 1/2" pocket hole screws

73"

Attach 2x4s at top on front and back using 1 1/2" pocket hole screws and 2 1/2" pocket hole screws
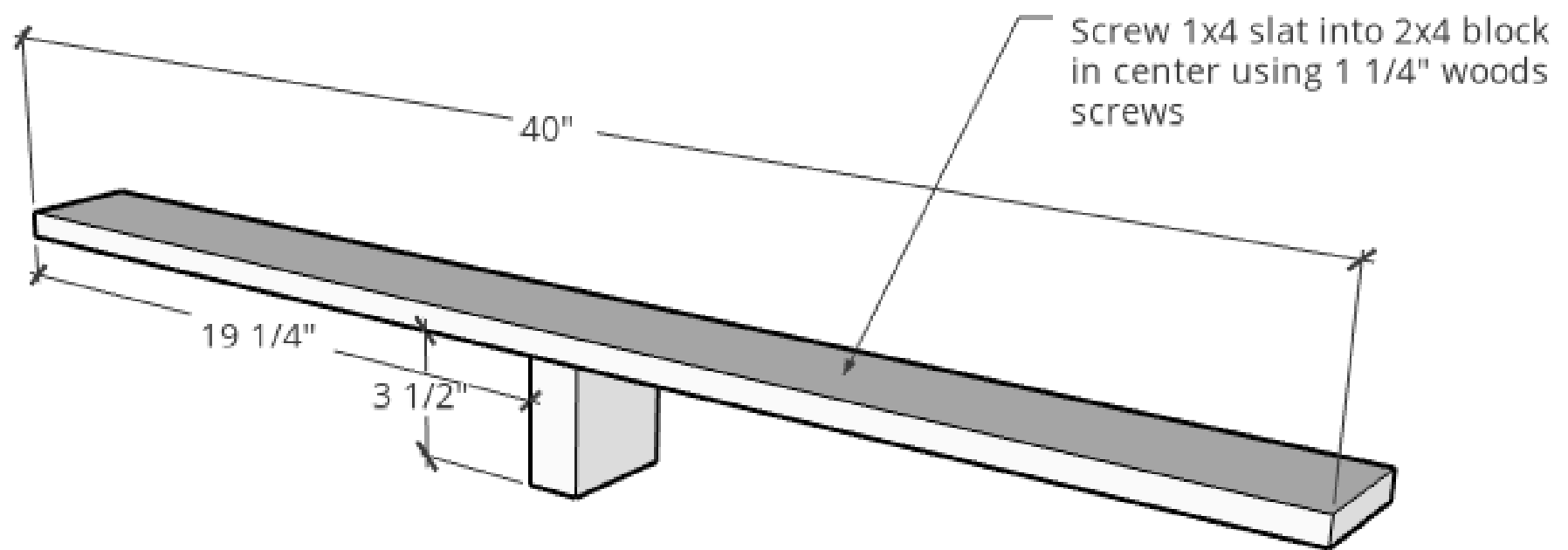
14 Attach Bed Slat Runners

Cut two more 2x4s at about 75" long and screw into the bottom of the front and back panel using 2 ½" wood screws. These give somewhere to place the bed slats onto.

75"

Screw 2x4 slat runners into both front and back sides at the bottom using 2 1/2" wood screws
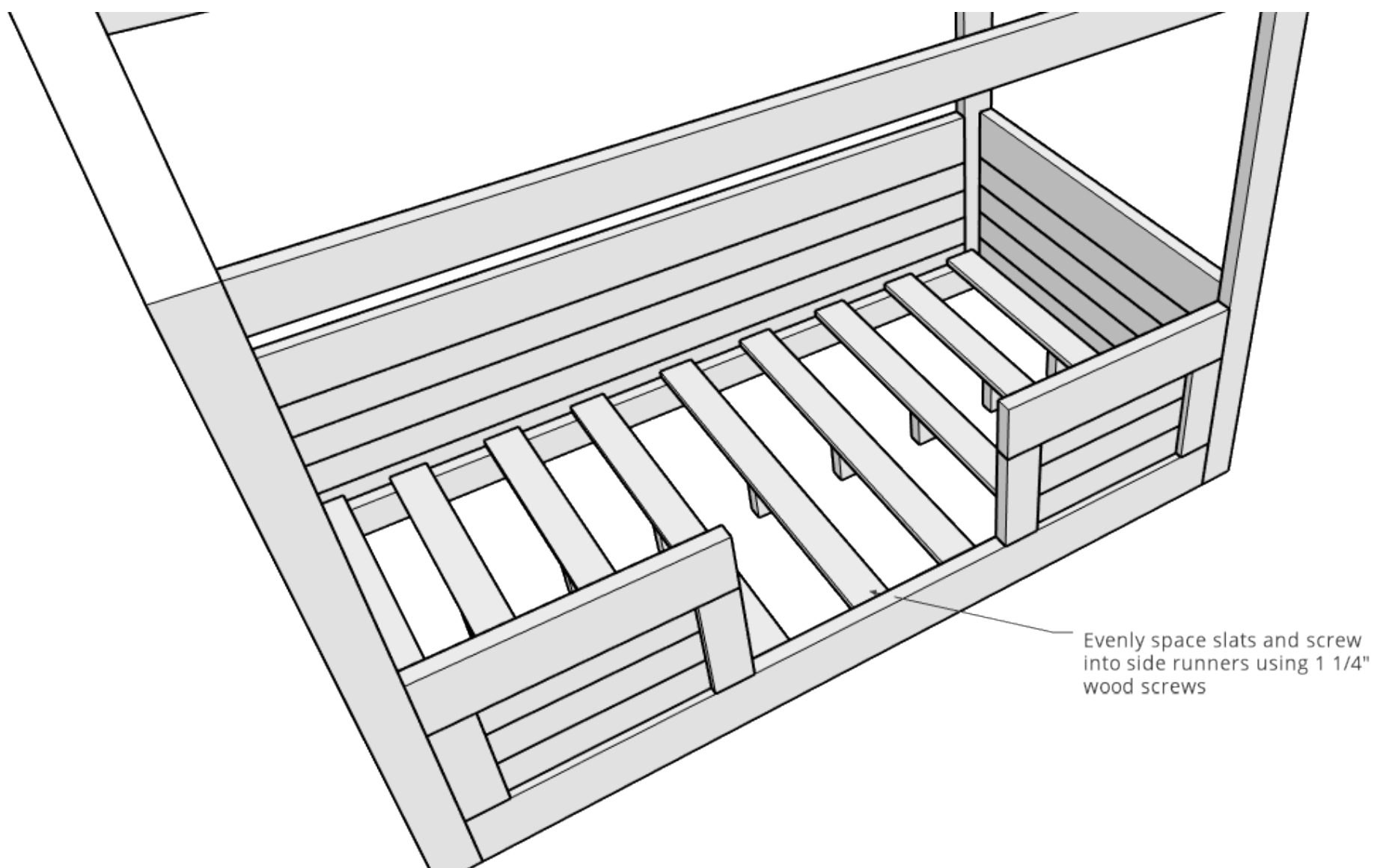
15 Assemble Bed Slats

Assemble nine bed slats (or more if you wish) like shown. Use a 2x4 block in the middle on the bottom to keep the slat from sagging. Attach 1x4 bed slat onto 2x4 block using 1 ¼" wood screws.

Screw 1x4 slat into 2x4 block in center using 1 1/4" woods screws

40"

19 1/4"

3 1/2"

16 Install Slats

Evenly space bed slats out on runners from step 14. And screw them in place on the runners using 1 ¼" wood screws.

Evenly space slats and screw into side runners using 1 1/4" wood screws

17

Install Mattress

Place mattress on bed slats, add bedding, and take a nap

75 1/2"

43"

80"