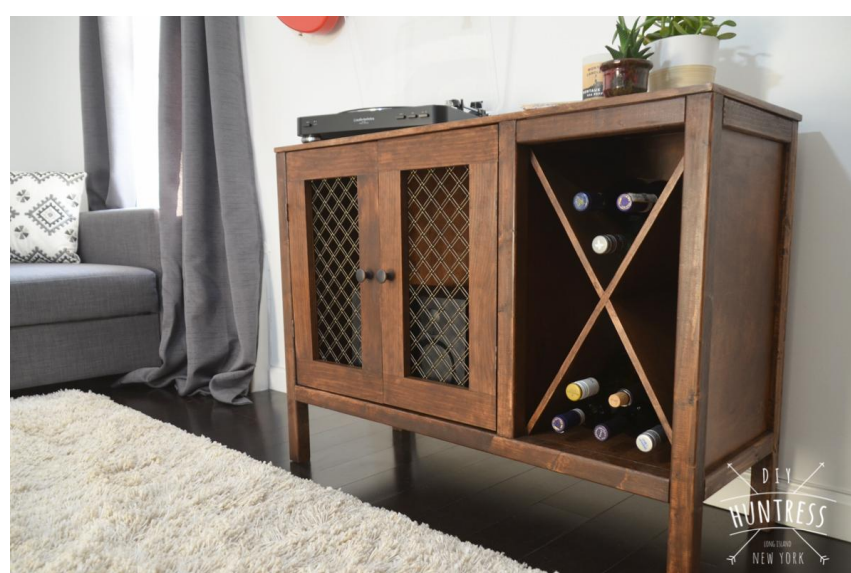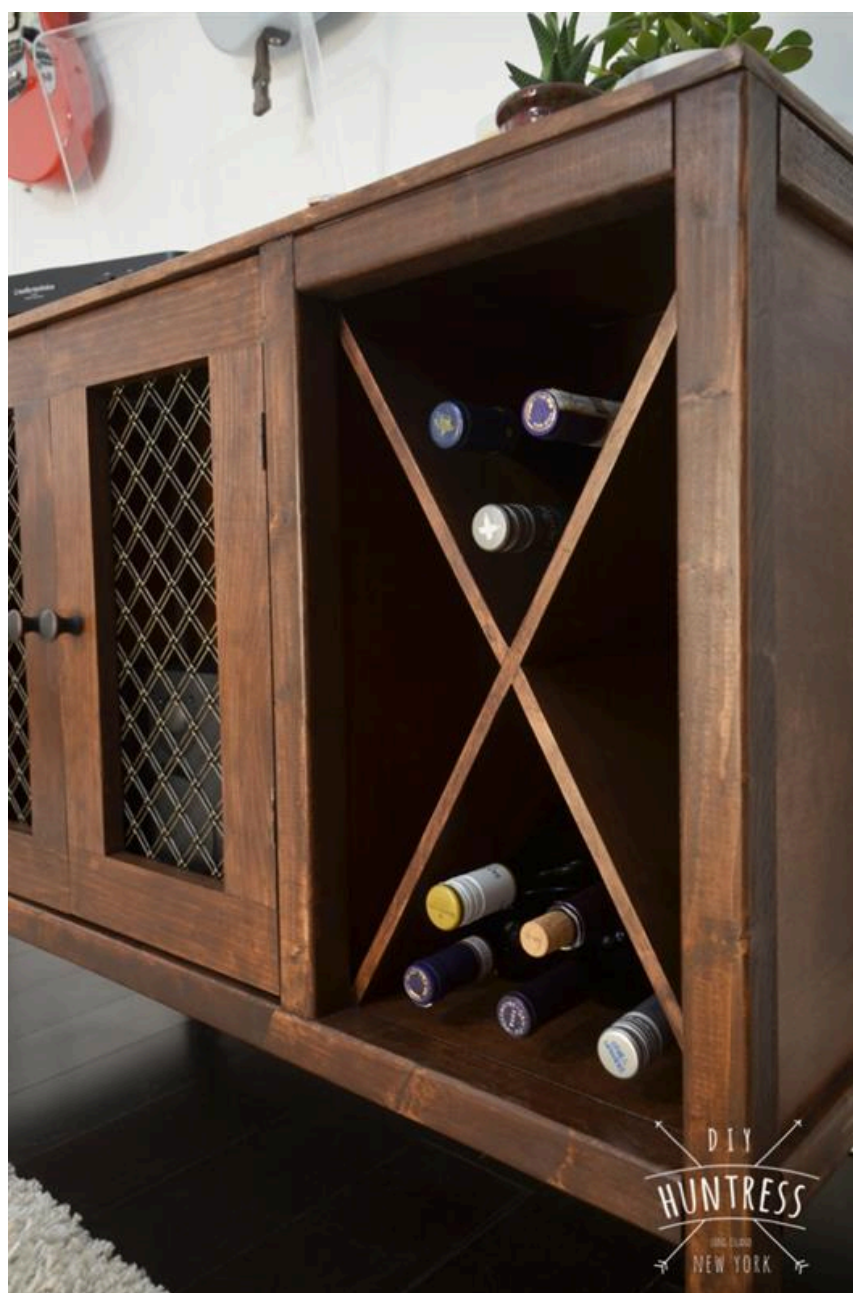# DIY Wooden Sideboard/Record Cabinet With Wine Rack

Difficulty

Moderate

Small spaces call for creative problem solving, and that's what this sideboard/wine rack combination aims to do! Multipurpose living never looked so good.

Tools

Kreg Tools

 Kreg® Pocket-Hole Jig 720

Other Tools

Circular Saw (corded)

Miter Saw

Table Saw

Tape Measure

Clamps

Drill (cordless)

Nail Gun

Stapler

Sander

Materials

Wood Products

1   Plywood , 1/2" Thick , Full Sheet

4   Board , 2x2 , 96"

2   Board , 1x3 , 72"

Hardware & Supplies

4   Door Hinges

2   Knobs Or Pulls

2   Metal Panels/Wire Grilles (For Cabinet Panels)

50   1 1/4" Pocket Hole Screws

50   1" Pocket Hole Screws

1   Bottle Of Wood Glue

10   1" Brad Nails

1   Can Of Stain & Sealer

1   Wood Putty/Filler

1   Iron-On Wood Banding/Edging

10   3/4" Brad Nails

Cut List & Parts

4   Legs , 2 X 2 X 29"

5   Panel Frames , 2 X 2 X 12"

1   Small Bottom Brace , 2 X 2 X 12"

1   Top Wine Rack Brace , 2 X 2 X 11 1/2"

2   Cabinet Frames , 2 X 2 X 37"

2   Wine Racks: "X" Pieces (See Plans For Exact Lengths) , 1/2" X 11 1/2" X 22 3/4"

1   Large Back Panel , 1/2" X 21 1/2 X 24"

1   Small Back Panel , 1/2" X 11 1/5" X 21 1/2"

1   Large Bottom Panel , 1/2 X 12 X 24"

1   Small Bottom Panel , 1/2" X 11 1/2 X 12"

1   Top , 1/2" X 15 X 40"

4   Cabinet Door Sides , 1 X 3 X 16

4   Cabinet Door Tops/Bottoms , 1 X 3 X 12"

3   Cabinet Panels , 1/2 X 12 X 20"

2   Middle Panel Sides , 2 X 2 X 21 1/2"

DIY SIDEBOARD/RECORD CABINET WITH WINE STORAGE CUT LIST
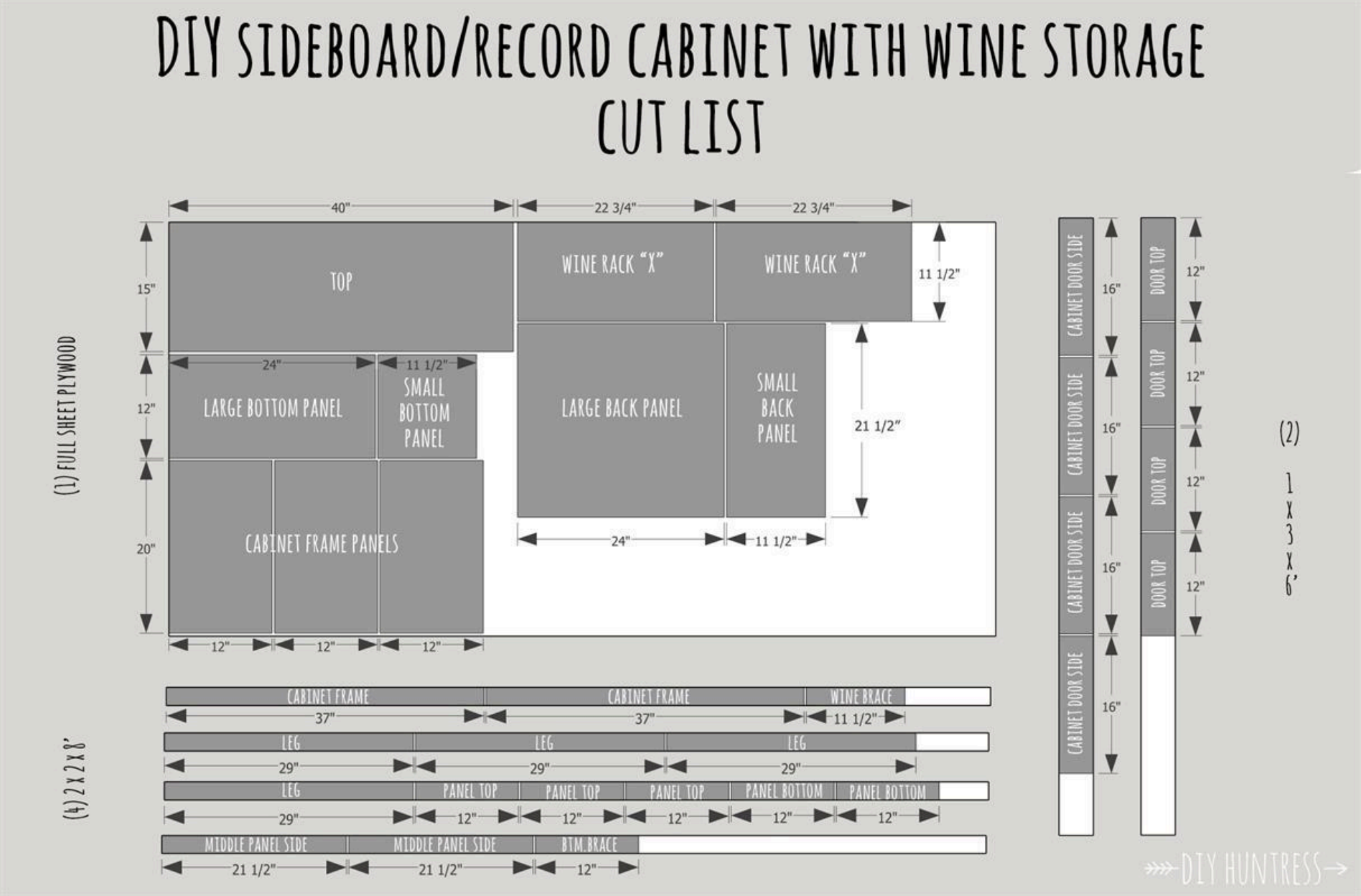
Directions

1 **Check Dimensions**

Prior to building, check the dimensions for this project. Adjust as necessary.

2 Build Outer Frames

Create your outer frames using two of the plywood cabinet frame panels, four legs, and four 12" panel tops and bottoms. Attach all pieces using pocket holes, screws, and wood glue. Hide the pocket holes on the inside of the panels and be sure to place the plywood panels directly in the center of your 2x2 frames.

Outside View

Inside View

12"

20"

6"

29"

Create two outer panels using pocket holes, screws, and glue.

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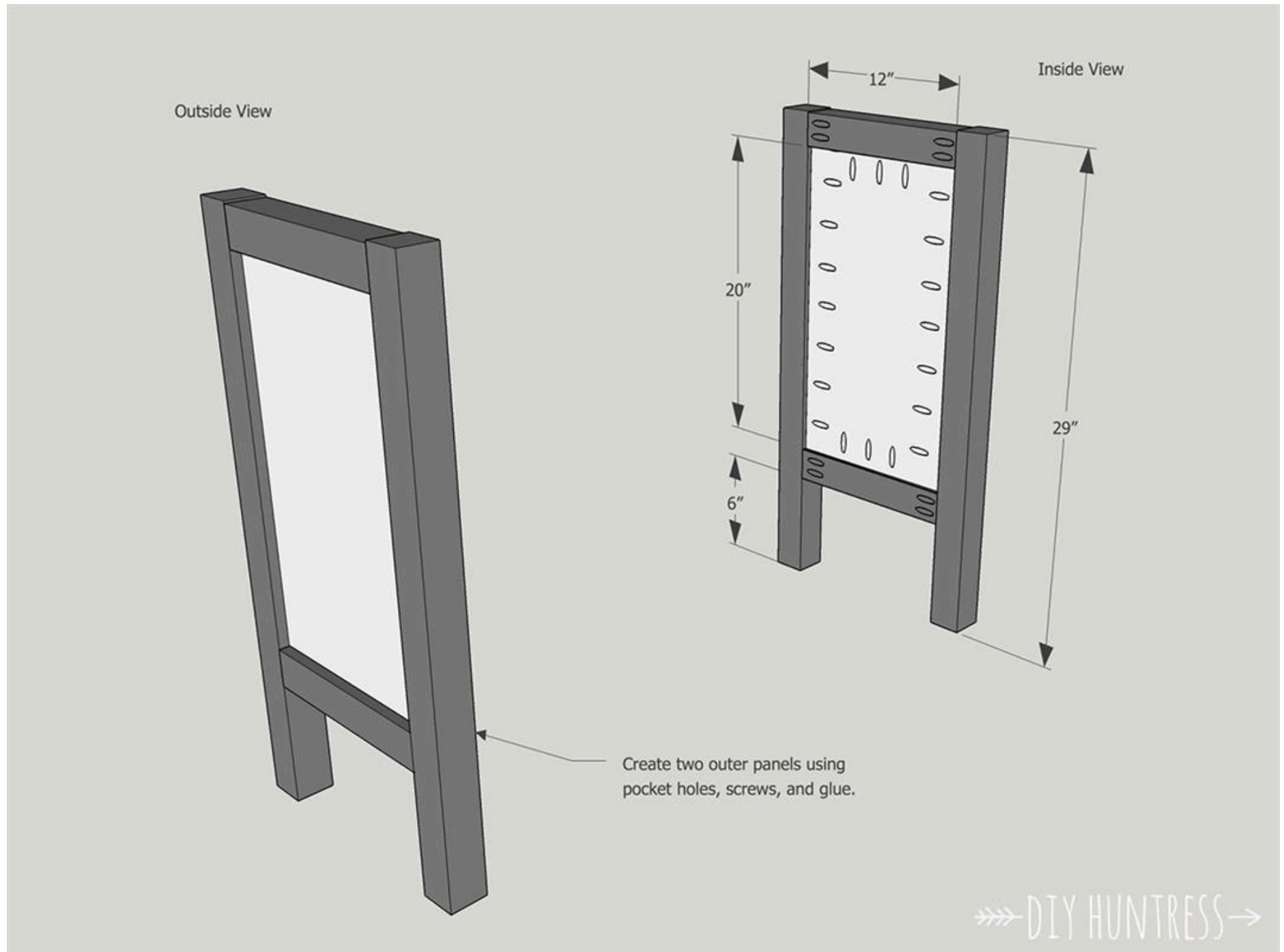
3 Attach Frames

Attach the frames with pocket holes and wood glue using the 37" long cabinet frame pieces.

37"

Install frames to side panels with pocket holes from underside.

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4 Add Middle Brace

Add a 12" long middle brace to the cabinet. Make sure to leave 24" clearance on one side of the cabinet, and 11.5" on the other.

24"

11 1/2"

Install middle brace with pocket holes, screws, and glue from underneath.
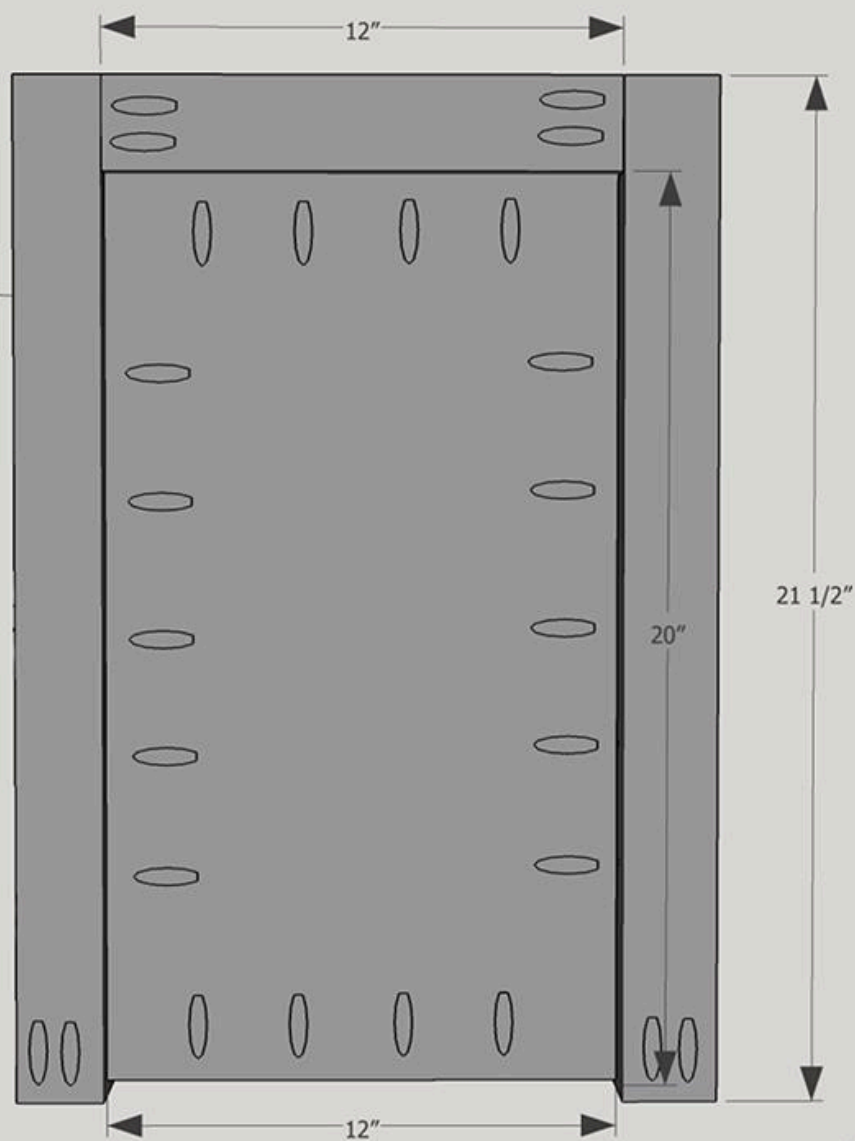
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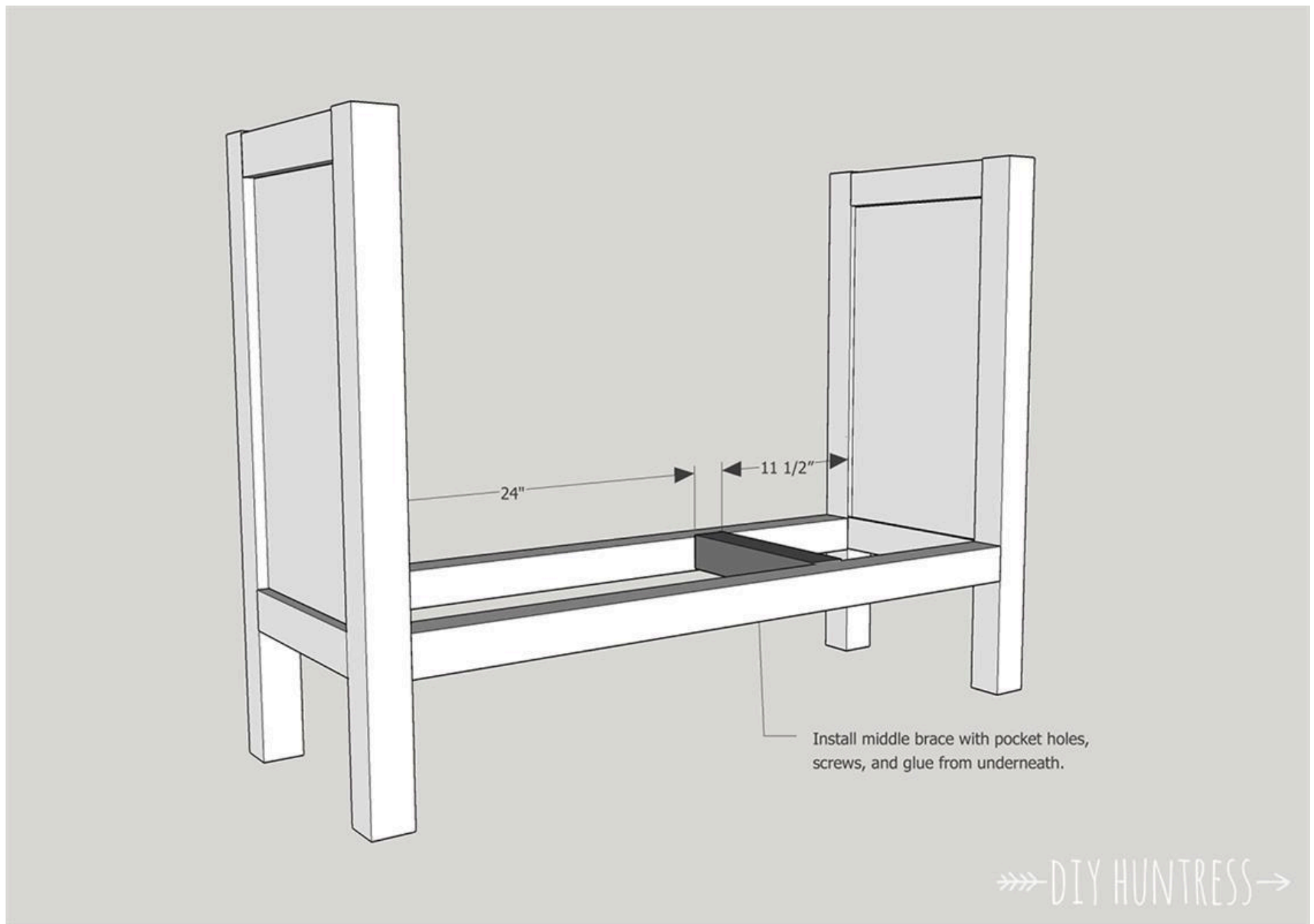
5

Build Middle Panel

Create a panel in the middle with the leftover plywood panel piece, two 21.5" edges, and the final 12" top. Attach everything with pocket holes and wood glue. Be sure to also place this plywood panel in the center of the 2x2's as well.

Build panel with pocket holes, screws, and glue. Use a spacer to make sure middle inset is perfectly centered.
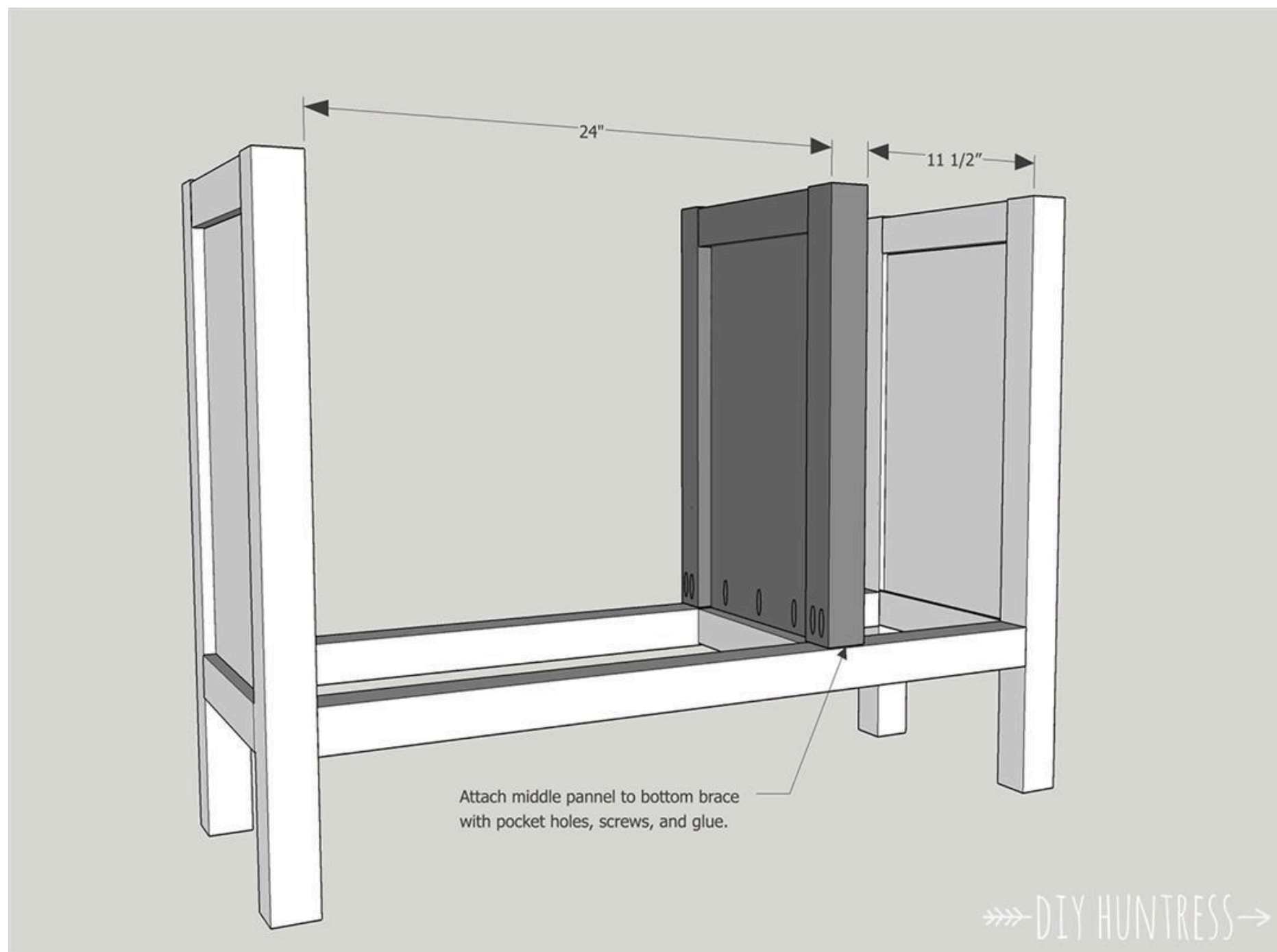
12"

21 1/2"

20"

12"

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6   Attach Middle Panel

Attach the middle panel to the bottom brace using pocket holes and wood glue. Again, double checking to make sure you have 11.5" clearance on one side, and 24" on the other.

24"

11 1/2"

Attach middle pannel to bottom brace
with pocket holes, screws, and glue.

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7 Attach Bottom Panels

Attach your bottom panels with pocket holes and wood glue from underneath.

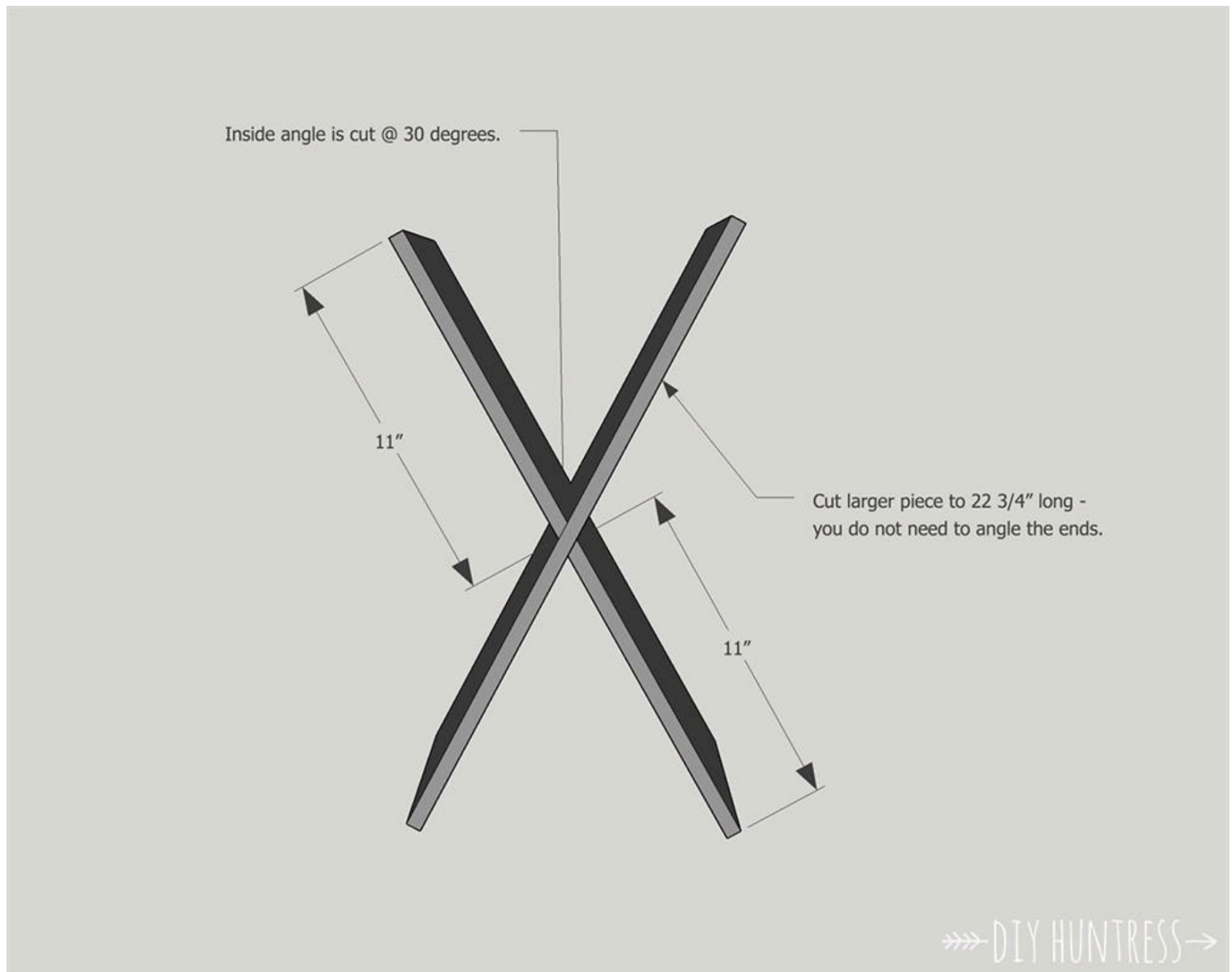Install bottom panels using pocket holes, screws, and wood glue.

12"

24"
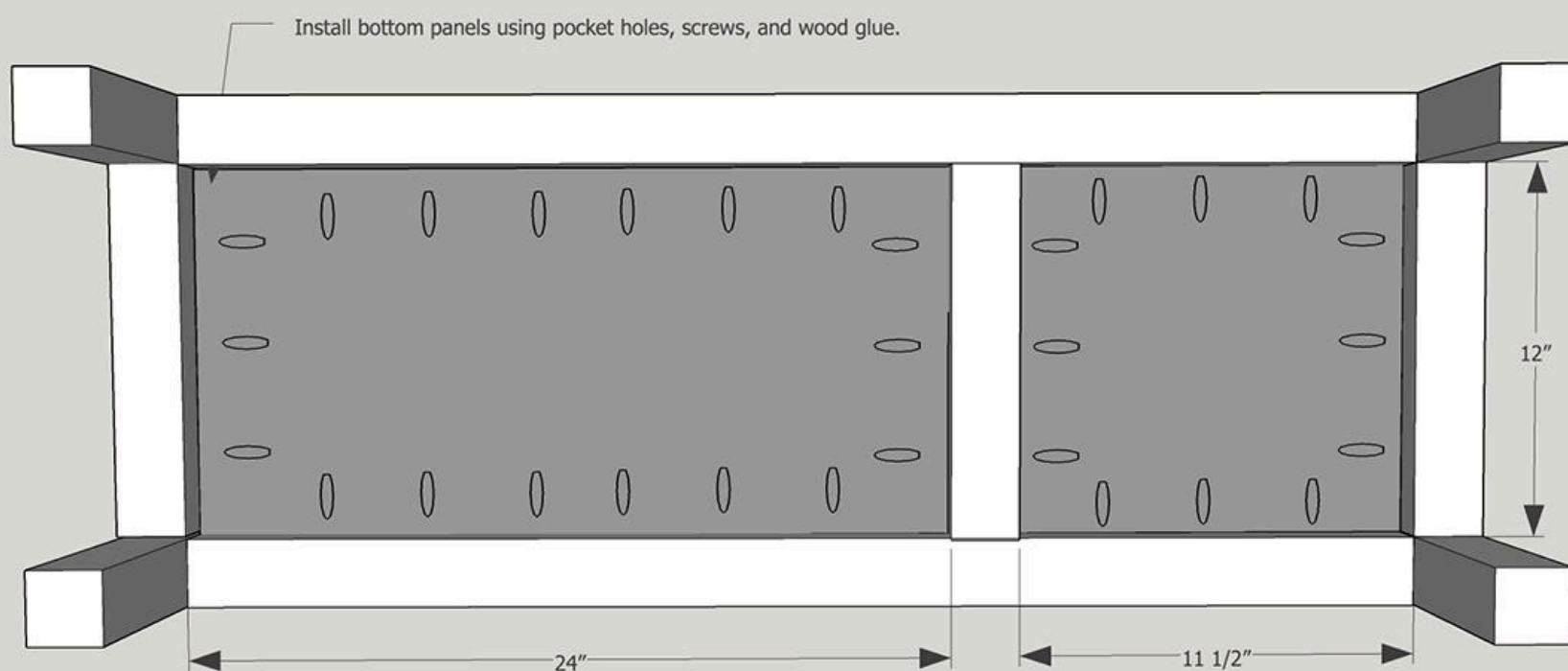
11 1/2"

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8 **Build The "X" Wine Rack**

This step is always the trickiest. Use one full plywood panel for your X that is measured at 11 1/2" x 22 3/4". You do not have to angle the ends, as they will be hidden when installed. For the second piece, cut the middle angles at 30 degrees - make sure to double check all measurements before cutting, as no piece of wood is perfect. Attach everything in the next step.

Inside angle is cut @ 30 degrees.

11"

11"

Cut larger piece to 22 3/4" long - you do not need to angle the ends.
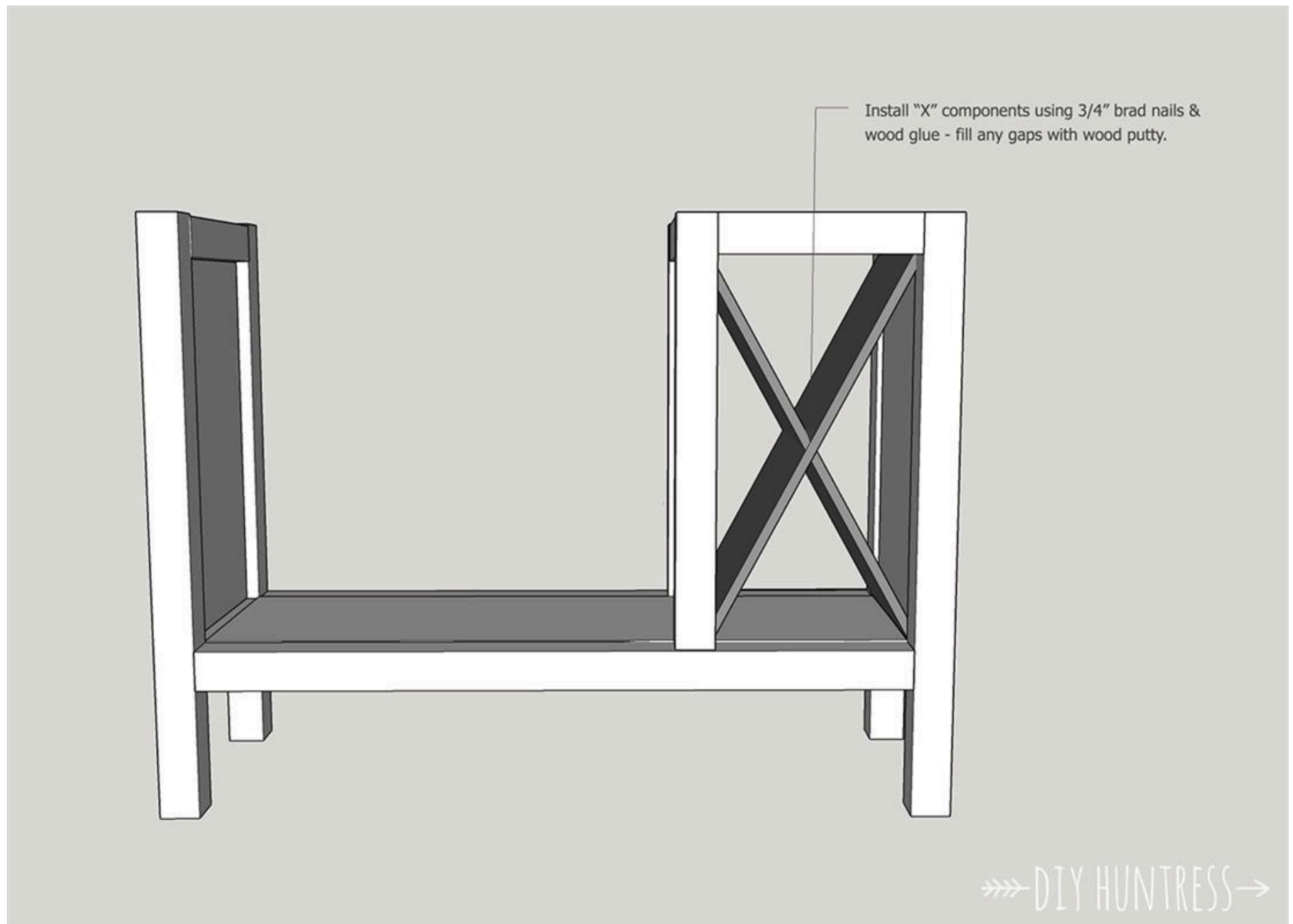
DIY HUNTRESS

9 Install "X" & Top Brace

Install your X by placing the larger piece in first and laying it against the insets in the frame. Nail it in place. Next, add your smaller pieces with 3/4" brad nails and wood glue to create your X. Don't worry about any gaps, these can be filled with wood putty later.

Next, install your smaller 11.5" top brace to hide any imperfections and square the front of the unit. This can be installed with brad nails or pocket holes and glue from the back.

Install "X" components using 3/4" brad nails & wood glue - fill any gaps with wood putty.

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10 **Install Back Panels**

Next, install the back panels using pocket hole joinery and wood glue.

Attach panels to back of cabinet with pocket holes, screws, and wood glue.
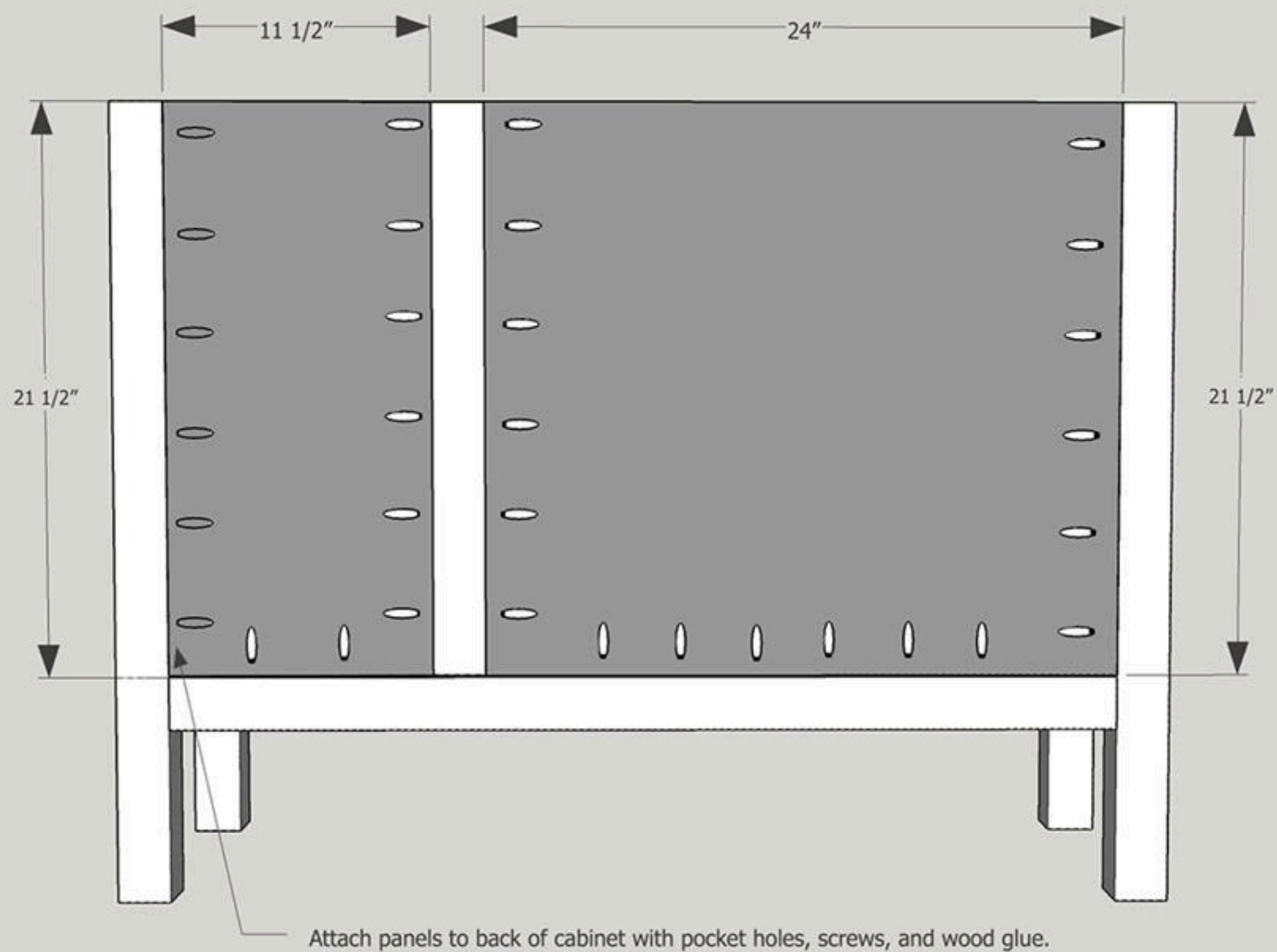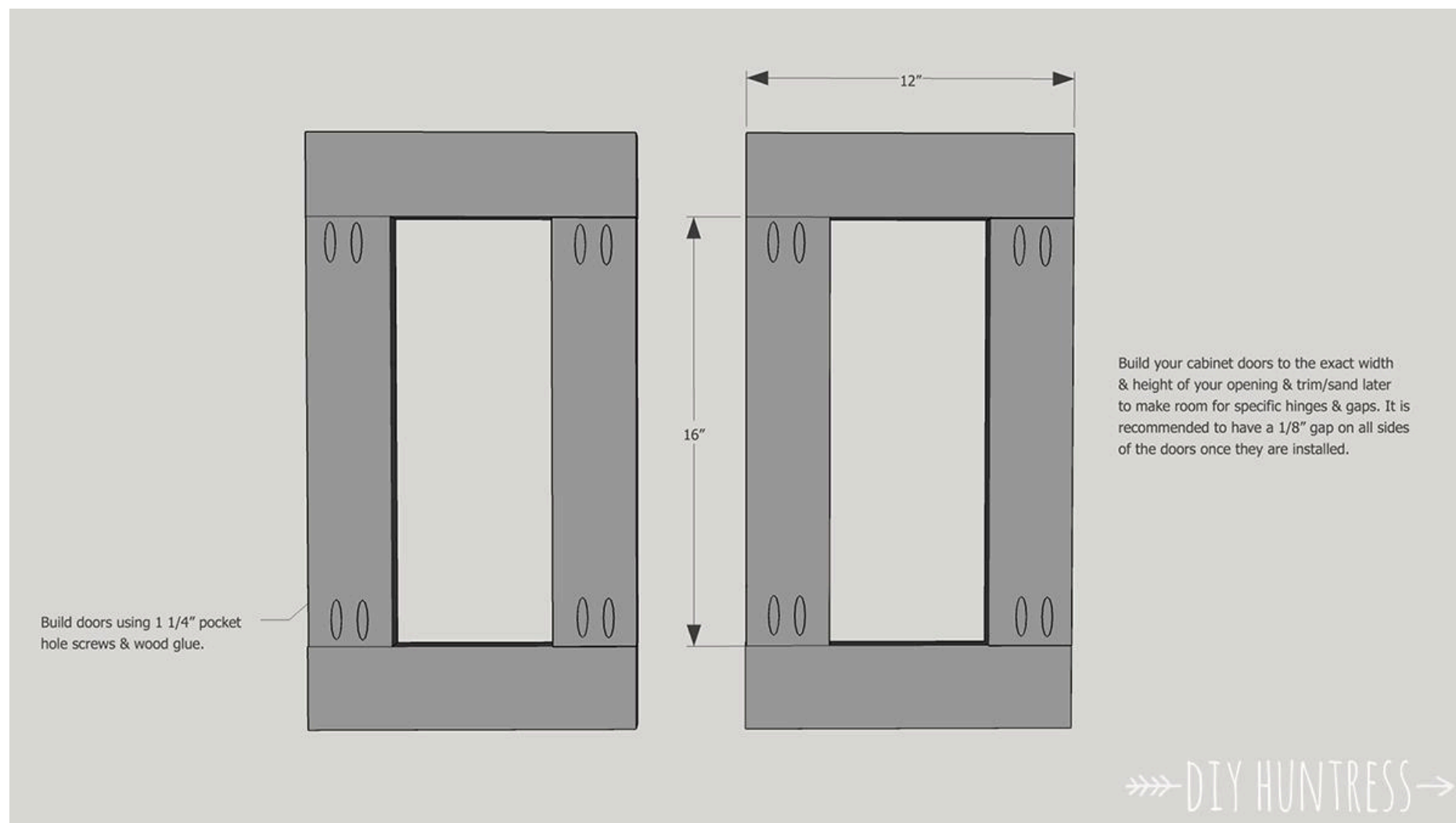
11

Install The Top

To help square the area for the cabinets, the next step is to install the top. You can do this with 1" brad nails and wood glue. Hide any holes with wood putty later.

Attach top using 1" brad nails and wood glue. Fill holes with wood putty later.
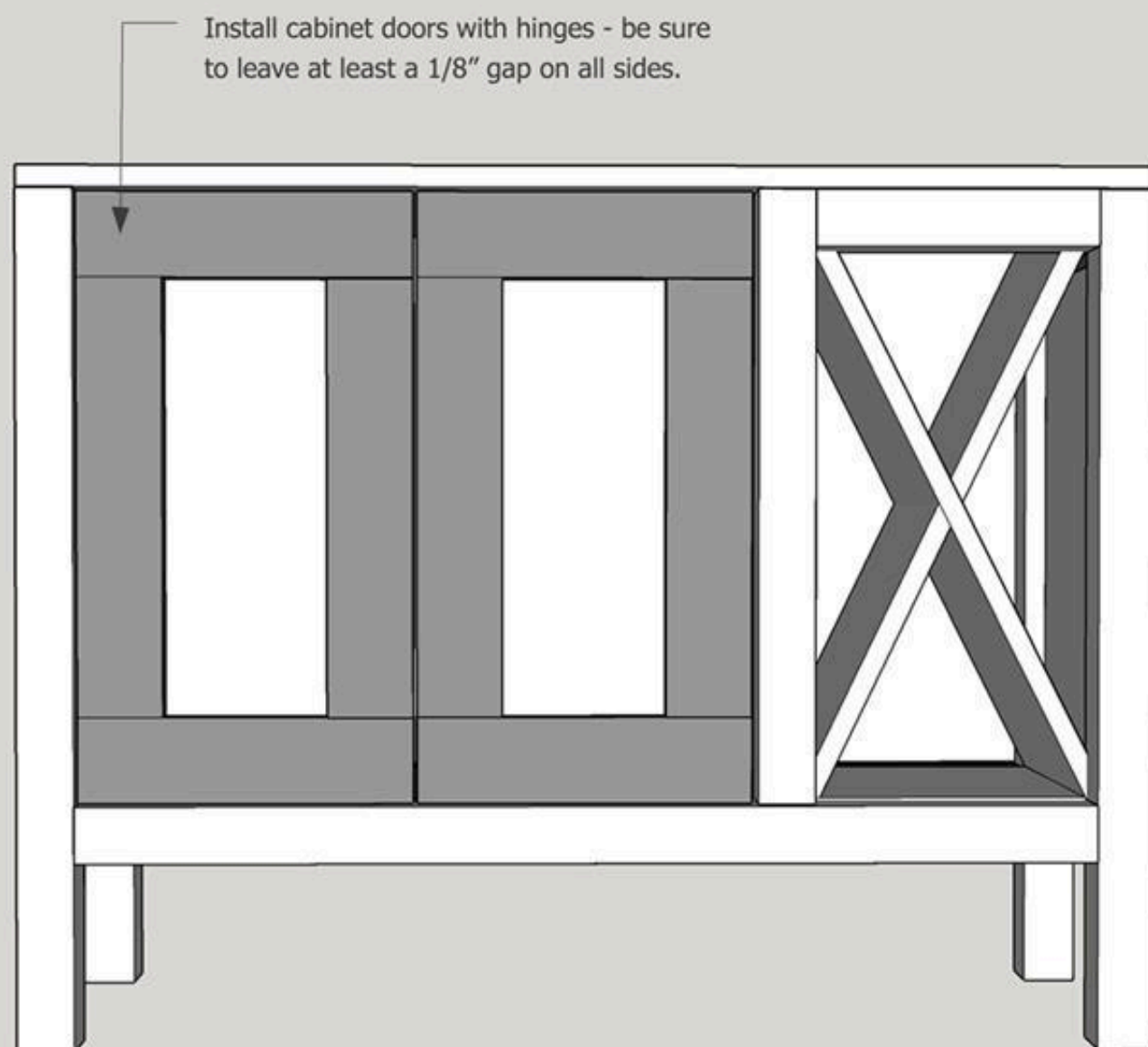
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12

Build Your Cabinets

This part is also tricky. I recommend building your cabinet doors to the exact measurements of your opening. Depending on what kind of hardware you will be using, you will have to trim or sand your doors to fit in the next step.

12"

16"

Build your cabinet doors to the exact width & height of your opening & trim/sand later to make room for specific hinges & gaps. It is recommended to have a 1/8" gap on all sides of the doors once they are installed.

Build doors using 1 1/4" pocket hole screws & wood glue.

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13 Install Doors

Install your doors along with your hinges. Try to leave a 1/8" gap on all sides.

Install cabinet doors with hinges - be sure to leave at least a 1/8" gap on all sides.

14 Add Your Panels

If you are using metal panels, like I did. Add them on by stapling them to the inside of the cabinet doors.

Once doors are installed, add metal paneling from inside using staples.
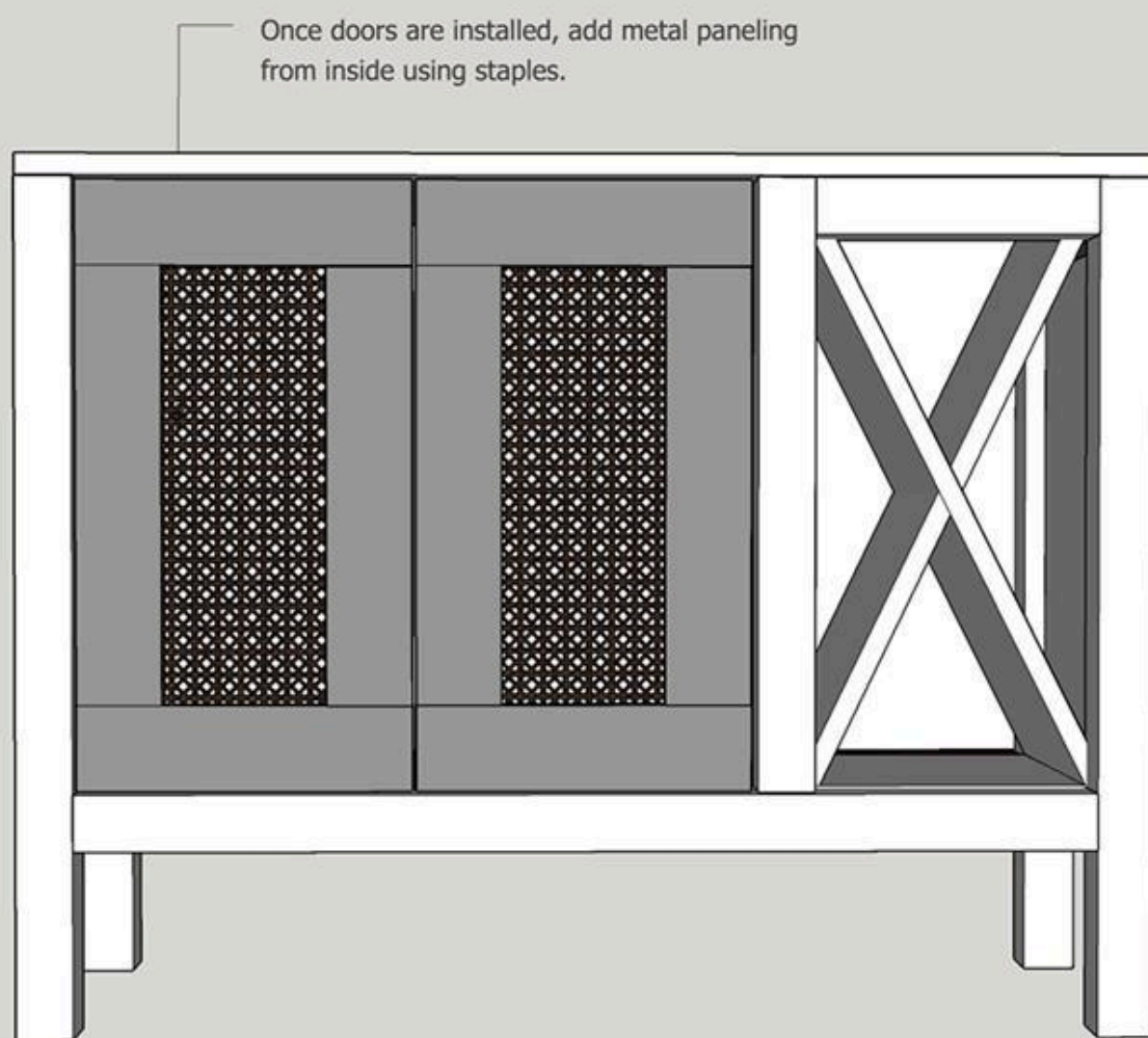
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15 Add Hardware & Finish

Next, sand, stain, seal, and add then hardware! You're all set!

Visit my blog for a full description of the products, finishes, and hardware used on this build (direct link can be found in the "Extras" tab)!