DIY Storage Cabinet

By **Anika\'s DIY Life**

Difficulty

Advanced

Build a simple storage cabinet with a drawer and doors with adjustable shelves. This easy-to-build versatile piece of furniture can be used in any room!

Tools

Kreg Tools

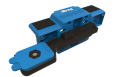Rip-Cut™

Kreg® Pocket-Hole Jig 720PRO

Straight Edge Guide

Quick-Flip

Drawer Slide Jig

Cabinet Hardware Jig

Cabinet Door Mounting Jig

Concealed Hinge Jig

Classic 3" Face Clamp

Right Angle Clamp

Multi-Mark™

90° Pocket-Hole Driver

Other Tools

Staple Gun

Circular Saw

Drill/Driver

Miter Saw

Random Orbital Sander

Table Saw (optional)

Materials

Wood Products

1.5 Sheet Of Plywood , ¾"

.5 Sheet Of Plywood , ¼"

1 Board , 2x2x8

Hardware & Supplies

1 Box Of 1 ¼" Pocket Hole Screws (See Tools List)

1 Box Of 2" Pocket Hole Screws (See Tools List)

1 Box Of 2 ½" Pocket Hole Screws (See Tools List)
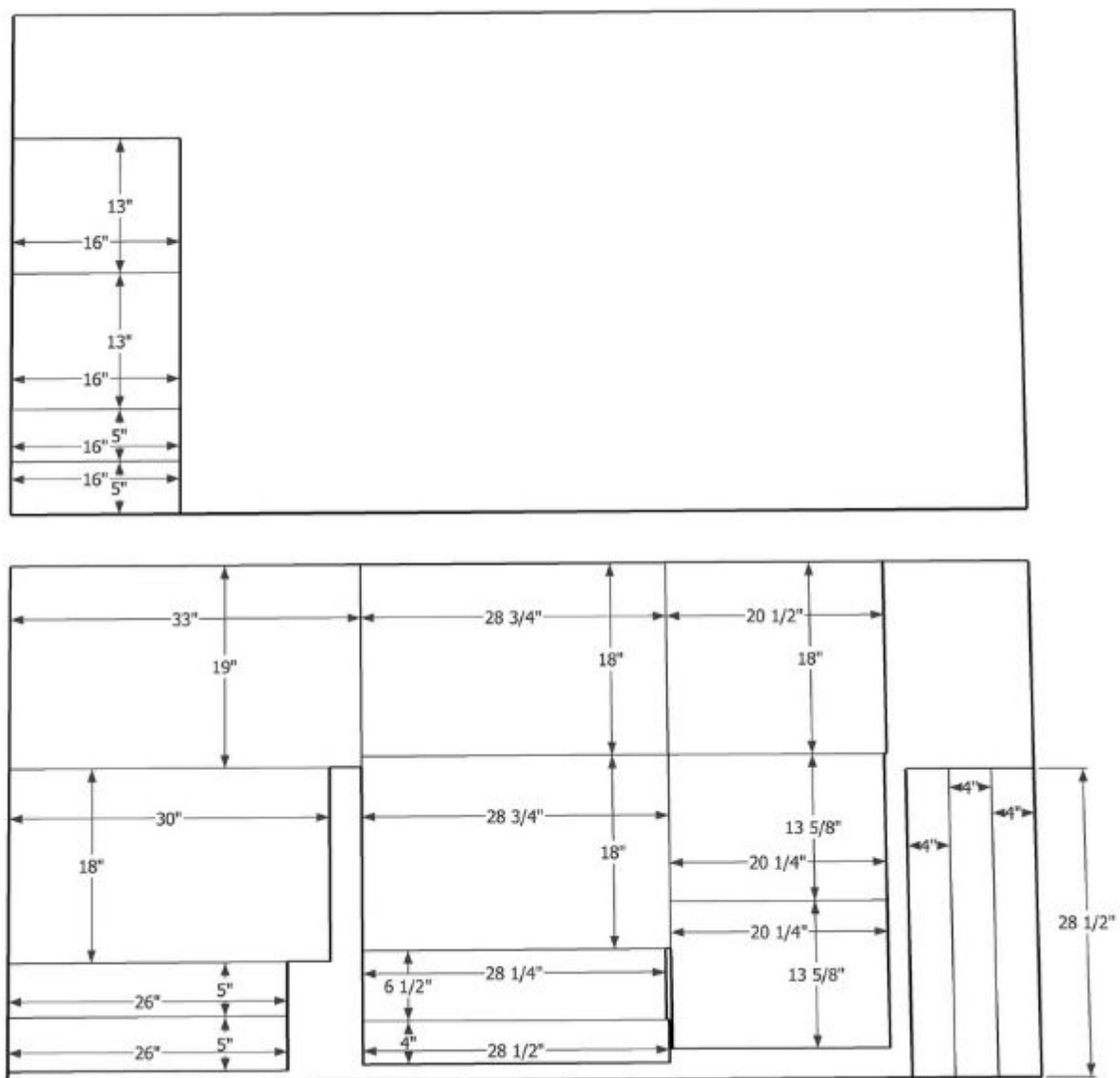
4 Cabinet Hardware Of Choice

1 Paint Or Stain In The Color Of Choice

1 16" Drawer Slides

2 Inset Frameless Door Hinges (2 Pairs)

Cut List & Parts

2 ¾" Plywood (Doors) , 20 ¼" X 13 ⅝"

1 ¾" Plywood (Drawer Front) , 28 ¼" X 6 ½"

1 ¾" Plywood (Top) , 33" X 19 ½"

1 ¾" Plywood (Divider) , 20 ½" X 18"

4 ¾" Plywood (Rails) , 28 ½" X 4"

2 ¾" Plywood (Sides) , 28 ¾" X 18"

1 ¾" Plywood (Bottom) , 30" X 18"

2 ¾" Plywood (Shelves) , 13" X 16"

2 ¾" Plywood (Drawer Long Side) , 26" X 5"

2 ¾" Plywood (Drawer Short Side) , 16" X 5"

1 ¾" Plywood (Back Support) , 28 ½" X 4"

1 ¼" Plywood (Back) , 29 ½" X 22"

1 ¼" Plywood (Drawer Bottom) (If Not Using Dados) , 27 ½" X 16"

2 Boards (Legs) , 2x2x5" (Long To Short End At 10-degrees- Parallelogram)

2 Boards (Long Aprons) , 2x2x22" (Short To Short End At 10-degrees- Trapezoid)

2 Boards (Short Aprons) , 2x2x9 ½"

Directions

1 **Watch The Video**

Check out the YouTube video for this project.
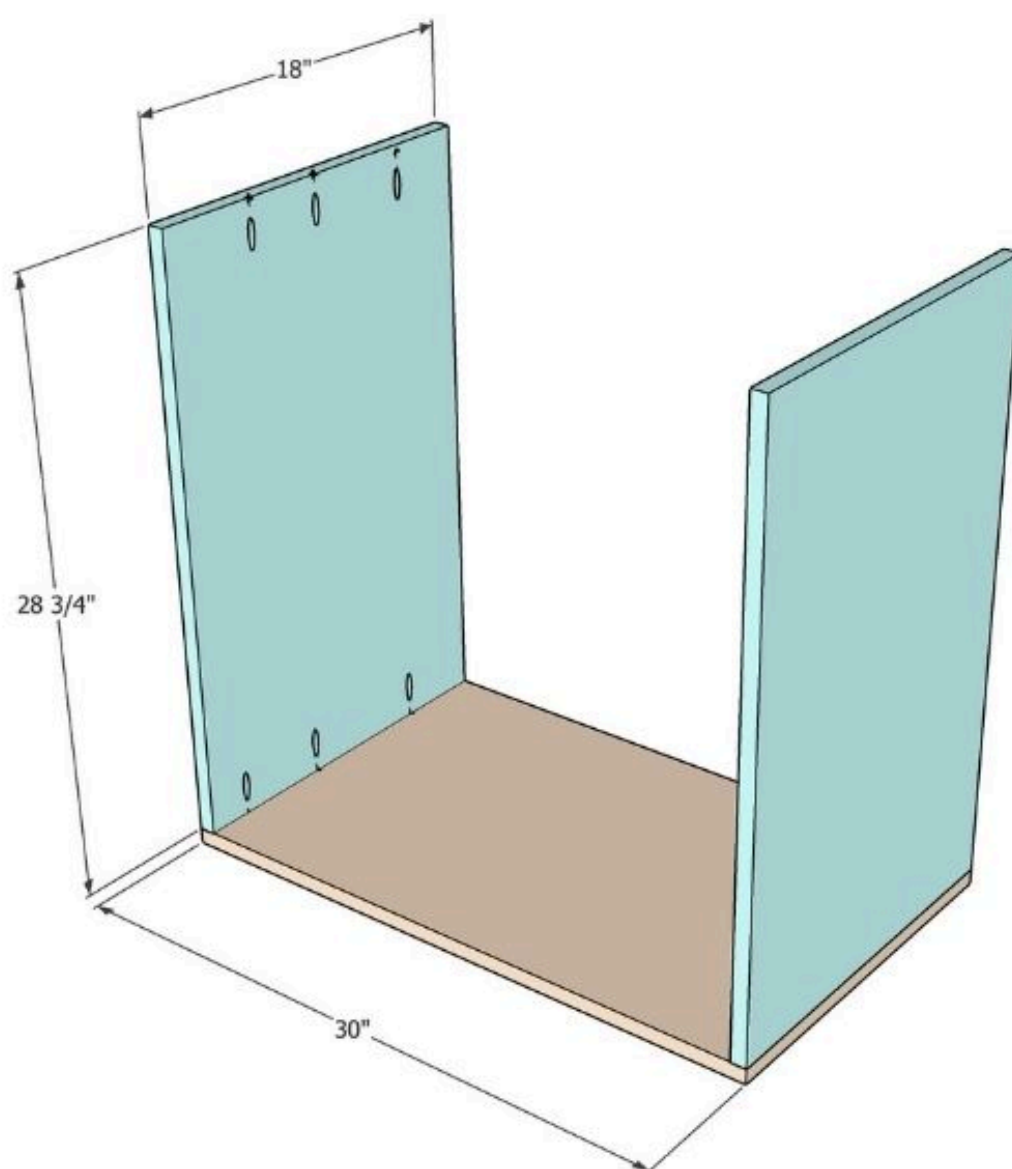
⬀ Watch The YouTube Video

2 **Prepare the boards**

Make the cuts per the cut list. Review the plans and make pocket holes where needed. Pocket holes in plywood are made with ¾" setting on the pocket hole jig and pocket holes in the 2x2 is made with 1 ½" setting.

Apply edge banding to all the edges that will be visible.

3 Attach the sides

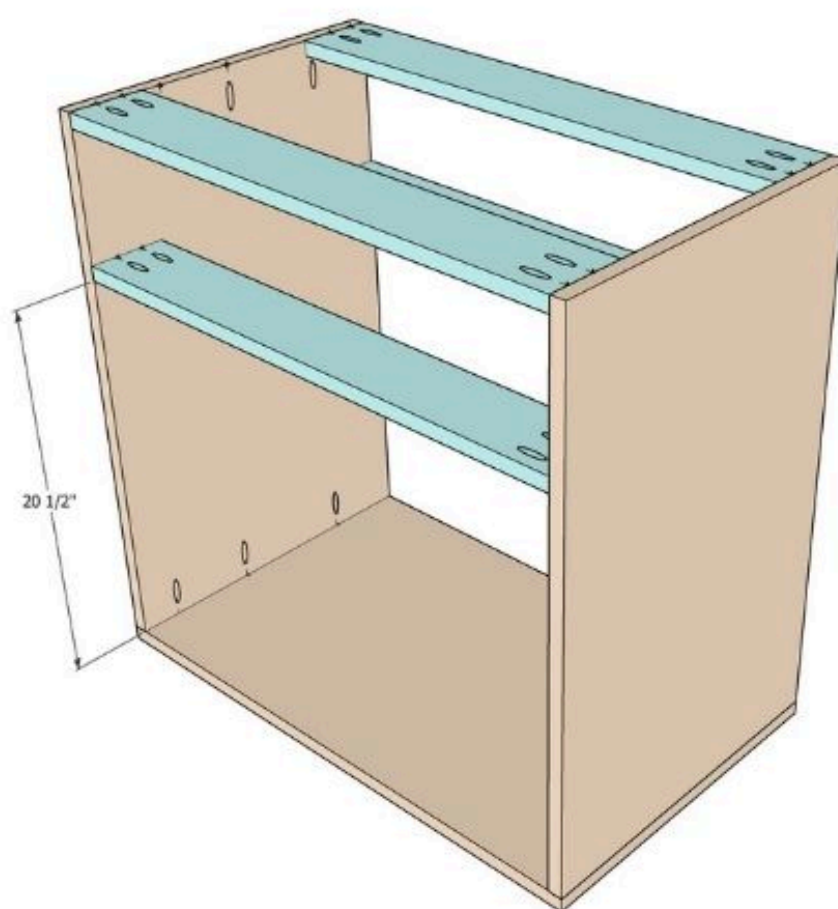Attach the sides to the bottom using 1 ¼" pocket hole screws.

4 Attach the rails

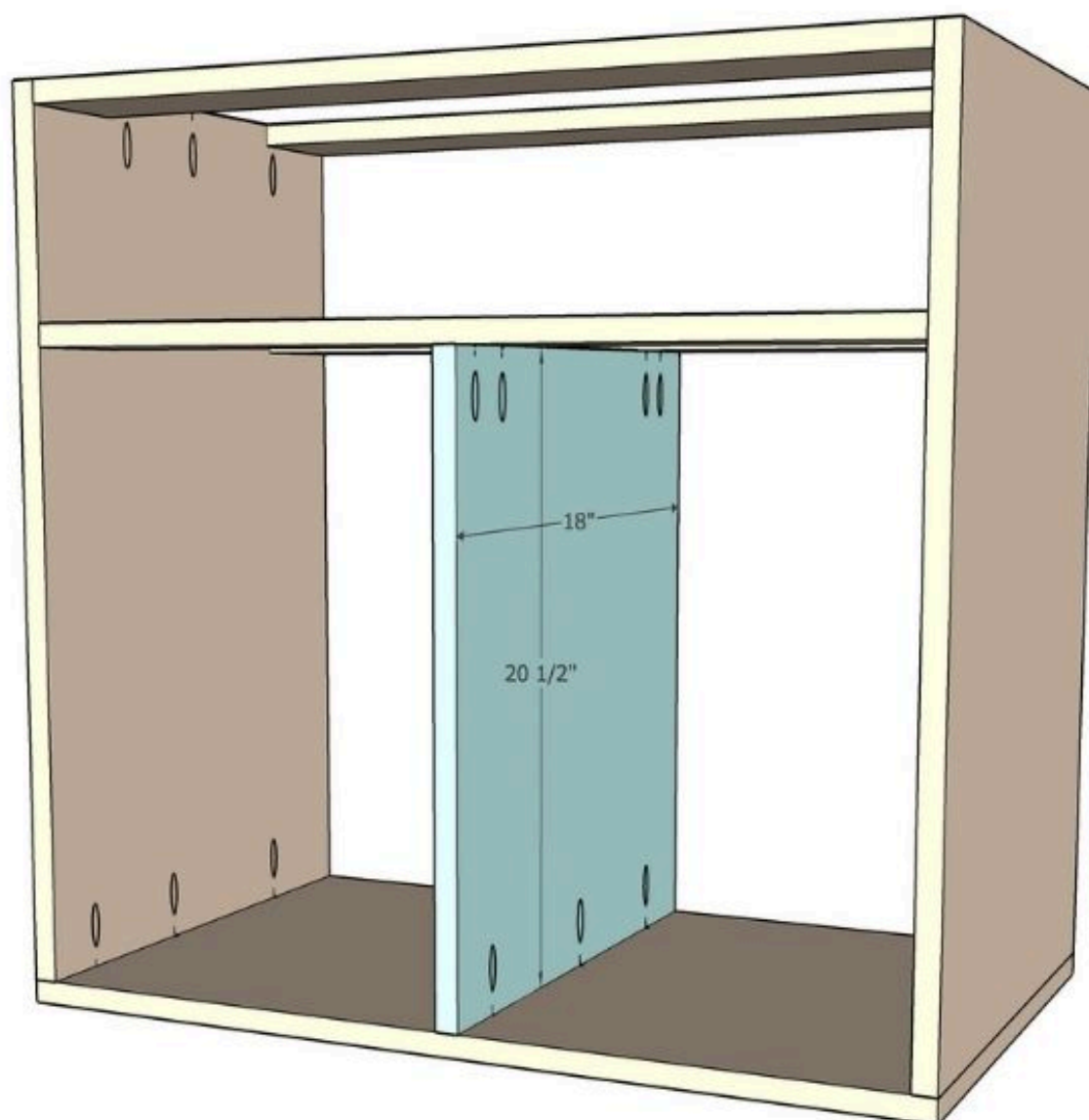The first set of rails is attached to the top of the cabinet using wood glue and 1 ¼" pocket hole screws.

The second set of rails is attached as shown below using pocket hole screws.

20 1/2"

5 Attach the divider

Measure and mark the exact location of the center divider.

Add the divider. Make sure it is square and level prior to attaching with pocket hole screws.
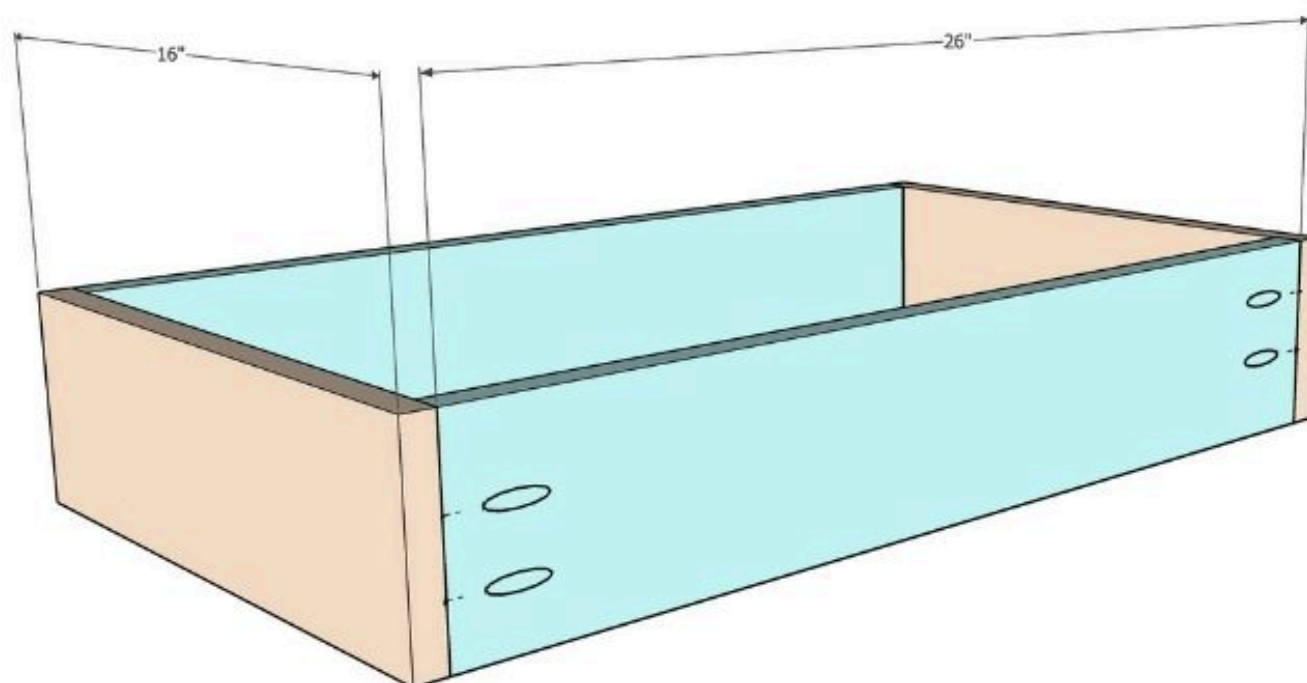
6 Build the drawer box
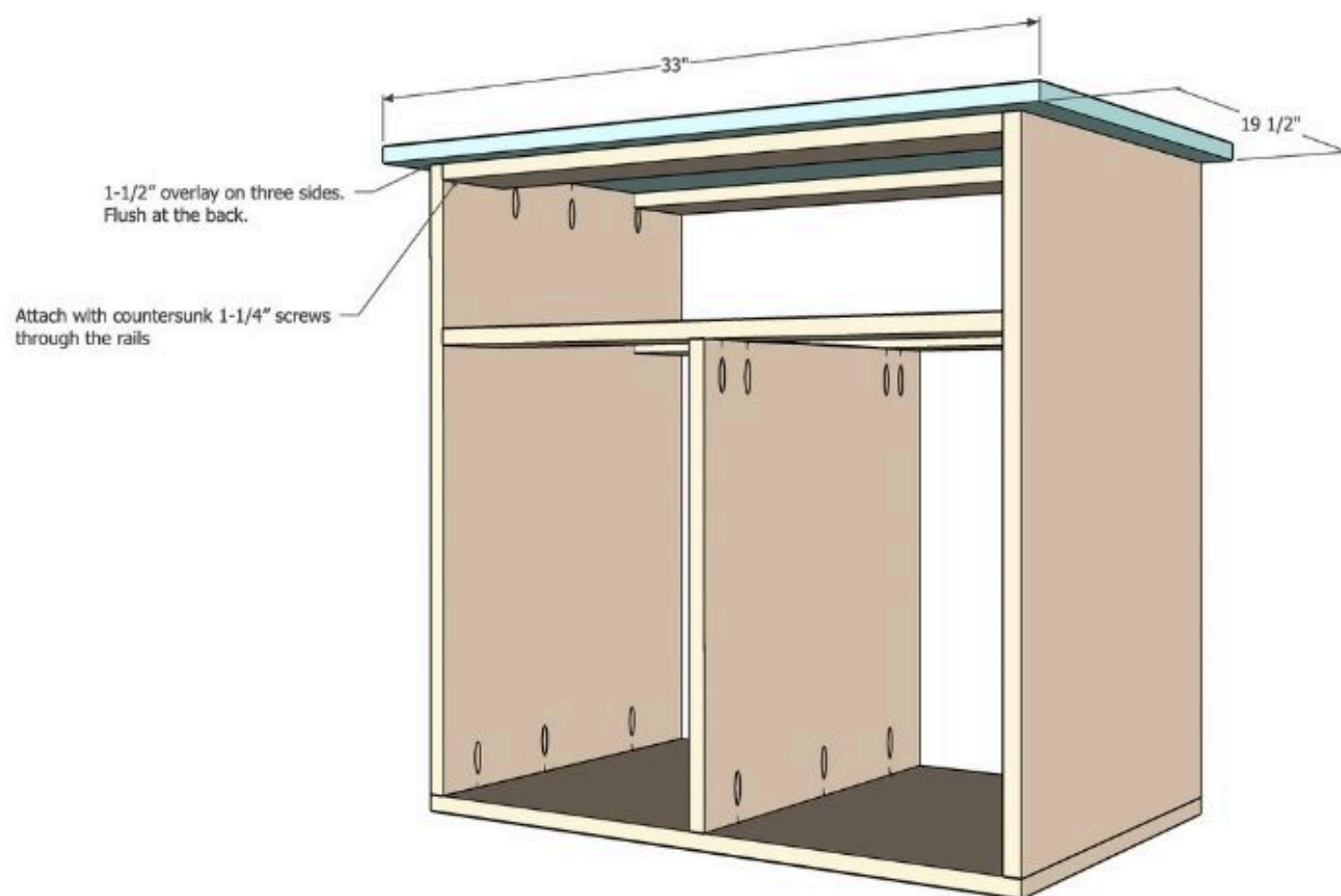
Build the drawer box as shown below.

The drawer box can be built two ways - either with the bottom sitting in a dado groove or on the outside.

Install the drawer slide and make sure the drawer works before removing it for the next step.

7 Attach the top

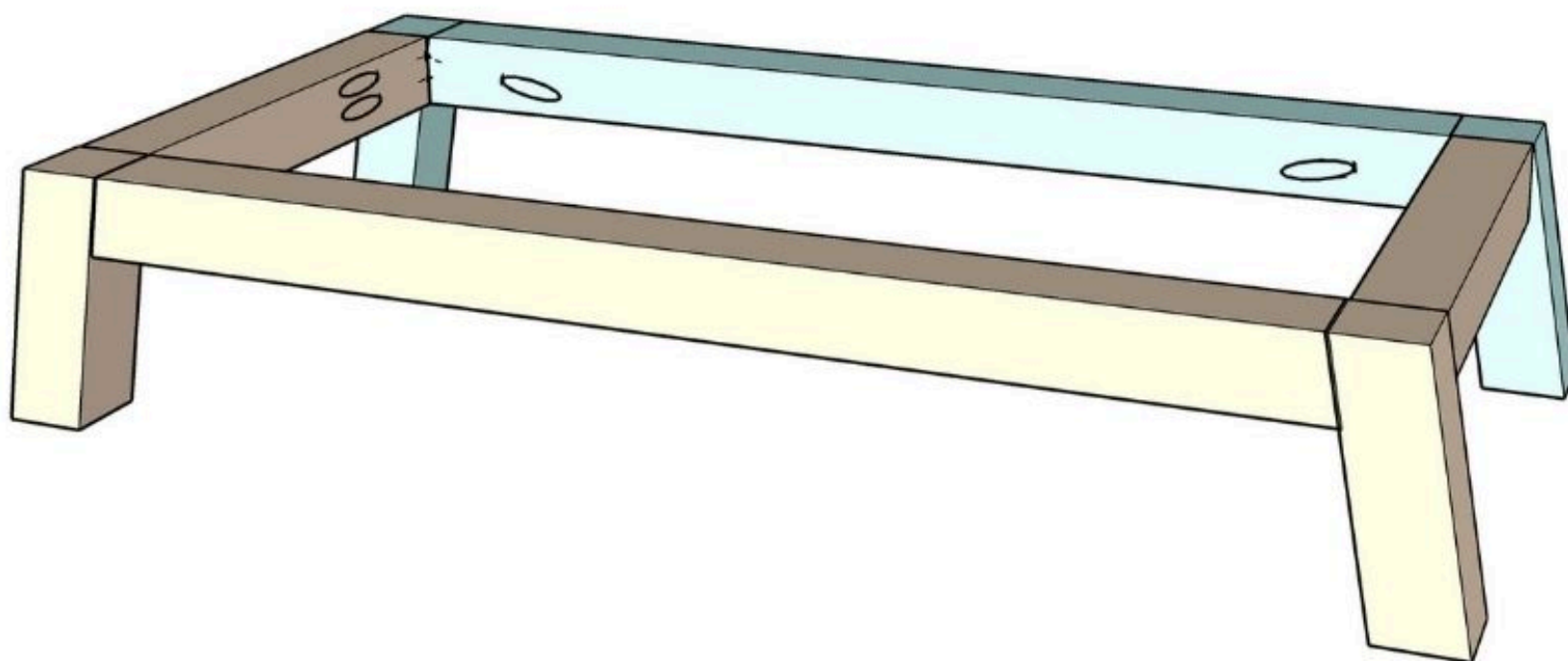Make sure that the top is well centered before attaching with pocket hole screws through the sides and countersunk pocket hole screws in the rails.

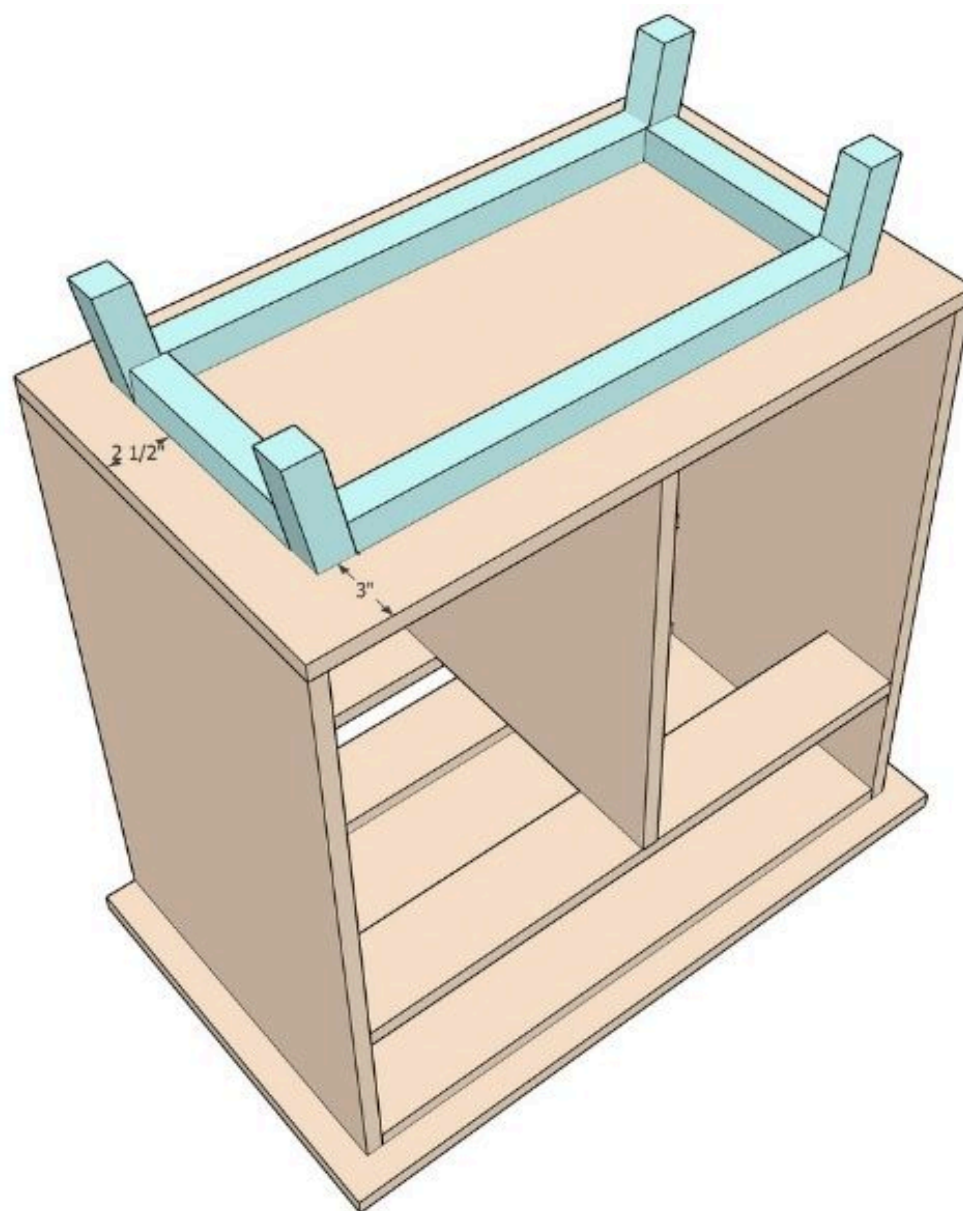
33"

19 1/2"

1-1/2" overlay on three sides.
Flush at the back.

Attach with countersunk 1-1/4" screws through the rails

8 **Build the base**

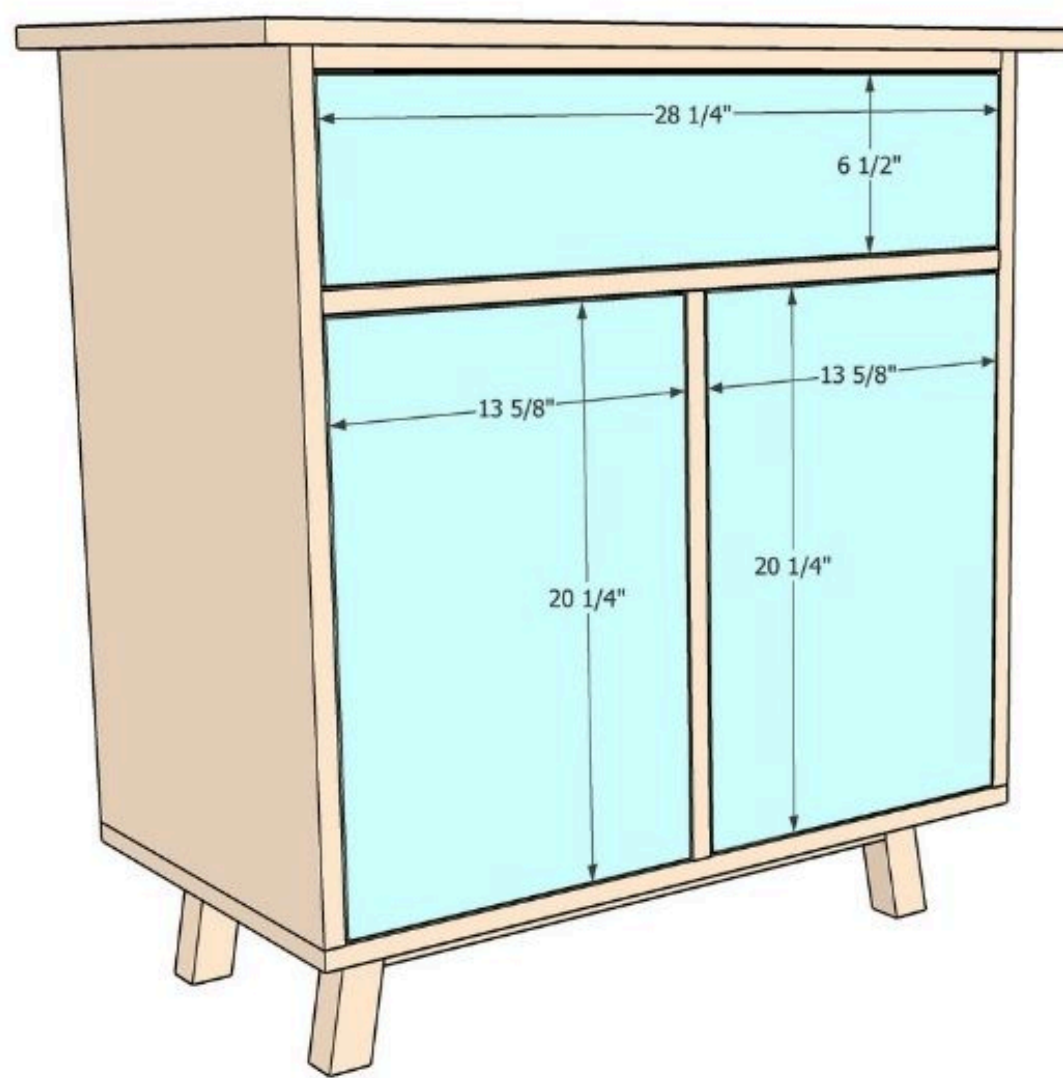Build the base using the 2x2 boards as shown.

9 Attach the base

Center and attach the base to the bottom of the cabinet frame using countersunk 2" pocket hole screws.

2 1/2"

3"

10 Install drawer and door

Install the drawer front as well as the doors using the cabinet door mounting jig set to the inset door setting.

11 Attach the cabinet hardware

Using the hardware jig attach pulls to the cabinet.

12 **Add the back**

In order to anchor the cabinet to the wall, you can add back support.

Also, add a backer board to the bottom part of the cabinets using a staple gun.