

HART™



Pan Organizer

PROJECT PLAN

Finished Dimensions: 15-3/4" w x 20-3/4" l x 12-3/4" h **Skill Level:** Intermediate

Materials

Item	Qty
1/2" x 4' x 8' Plywood*	1/2
18" Side-Mount Drawer Slide Set †	1
#16 x 1-1/4" Stainless Wire Brads	
#8 x 1-1/4" Flat Head Wood Screw	4
Sand Paper**: 150g, 220g & 320g	
Drill Bits: 3/32"	

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

† Drawer Slide Set installed on Page 7

Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Circular Saw



Drill/Driver



Orbital Sander



20V 1.5Ah Battery



20V 4.0Ah Battery



Charger



Tape Measure



Hammer



Phillips-Head SD



Drill Bits



Countersink Bit



Safety Glasses

Also Needed:
Clamps

Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

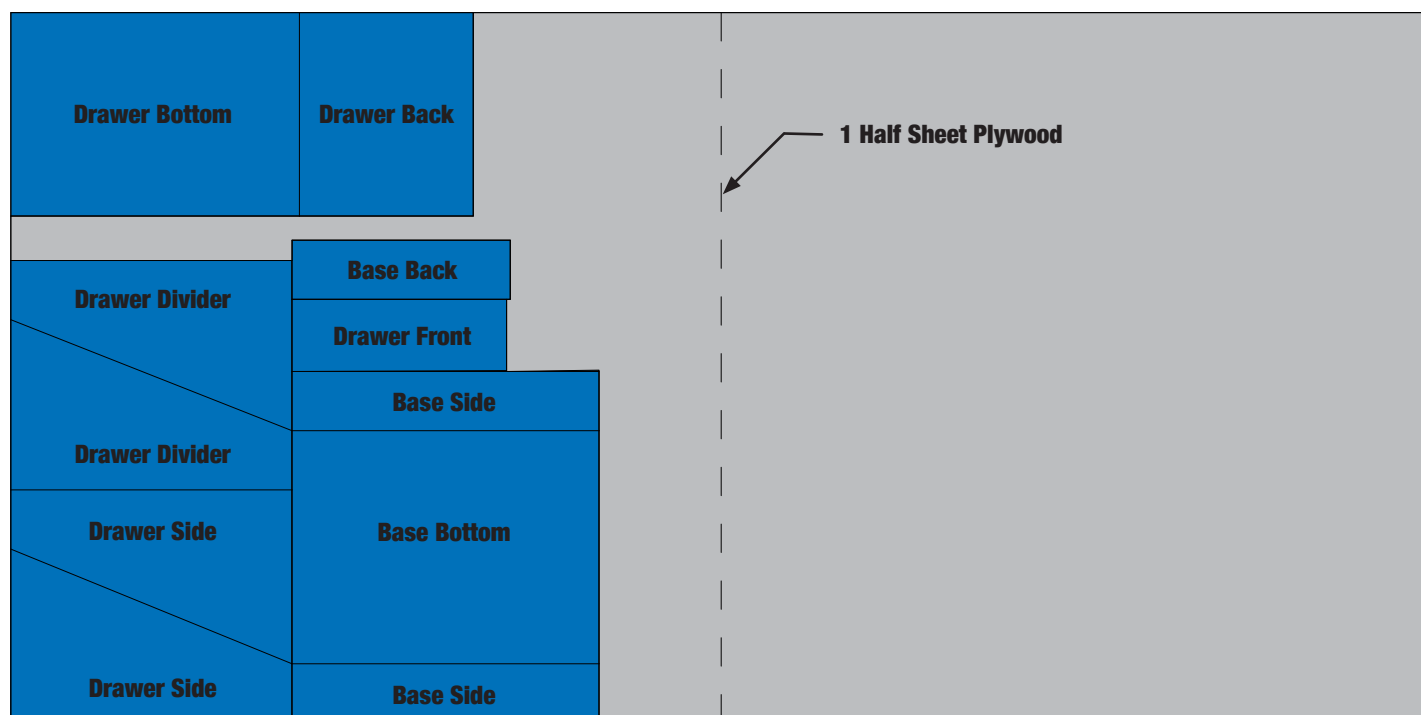
Lumber Cut List

Board*	Cut to	Qty
1/2" Plywood Base Sides	4"x 20-3/4"	2
1/2" Plywood Base Back	14-3/4"x 4"	1
1/2" Plywood Base Bottom	15-3/4"x 20-3/4"	1
1/2" Plywood Drawer Back	13-3/4"x 11-3/4"	1
1/2" Plywood Drawer Bottom	13-3/4"x 19-3/4"	1
1/2" Plywood Drawer Front	14-1/2"x 4-7/8"	1
1/2" Plywood Drawer Sides	4"x 19"x 11-3/4"	2
1/2" Plywood Drawer Dividers	4"x 19"x 11-1/2"	2

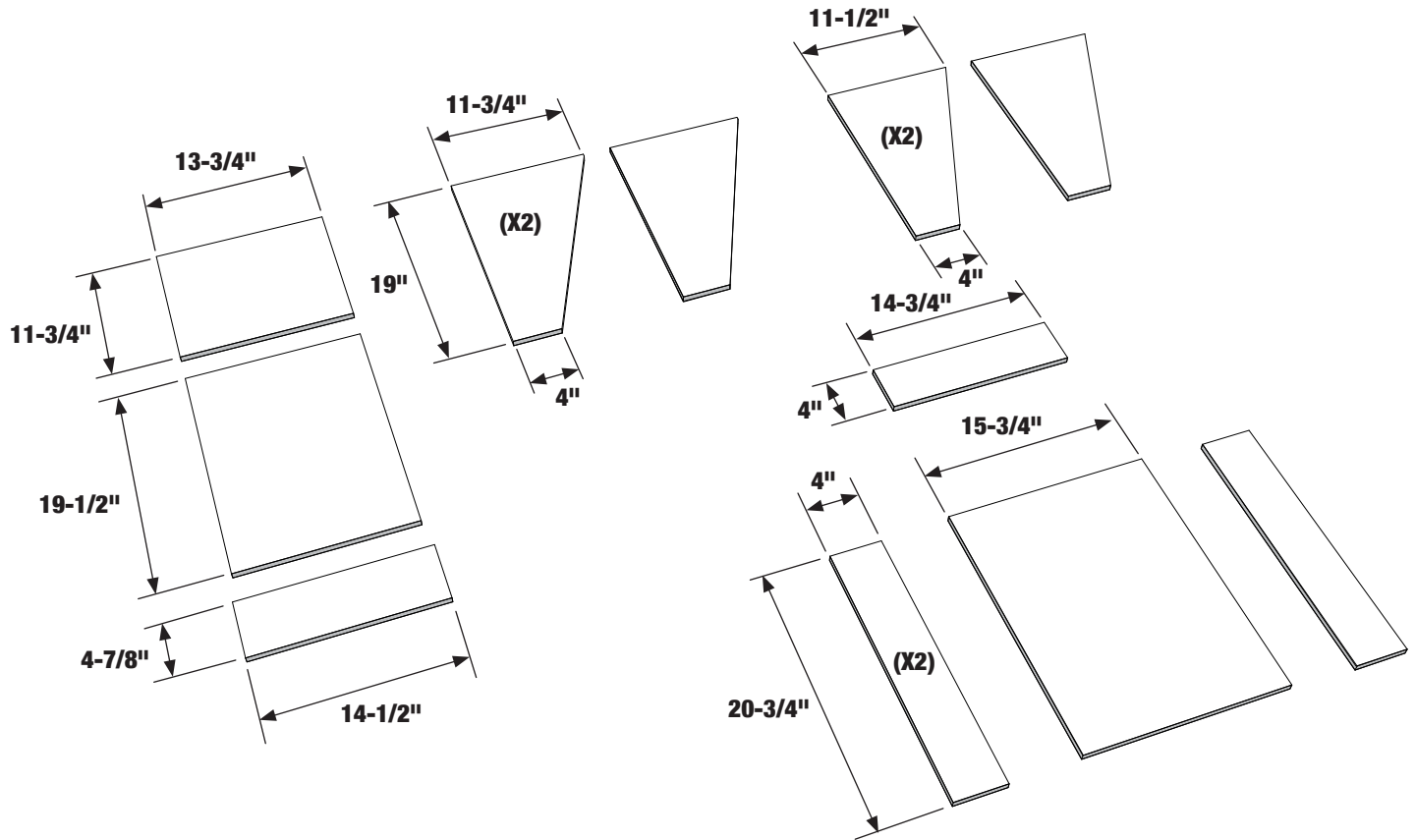
* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

This cut list will provide you with the materials to build a Pan Organizer for a 14-3/4" wide cabinet opening. If your cabinet is any smaller or bigger than this opening size, simply measure the inside face frame of your cabinet and add 1" to the Base widths and subtract 1" from the Drawer widths. For example, if your cabinet is 16-1/2" wide, the width of your Pan Organizer base should be 17-1/2" and the Drawer width should be 15-1/2".

Lumber & Sheet Lay-Out Guide [Actual Dimensions]



Lumber & Sheet Cut Lay-Out Guide



Assembly Instructions

Step 1

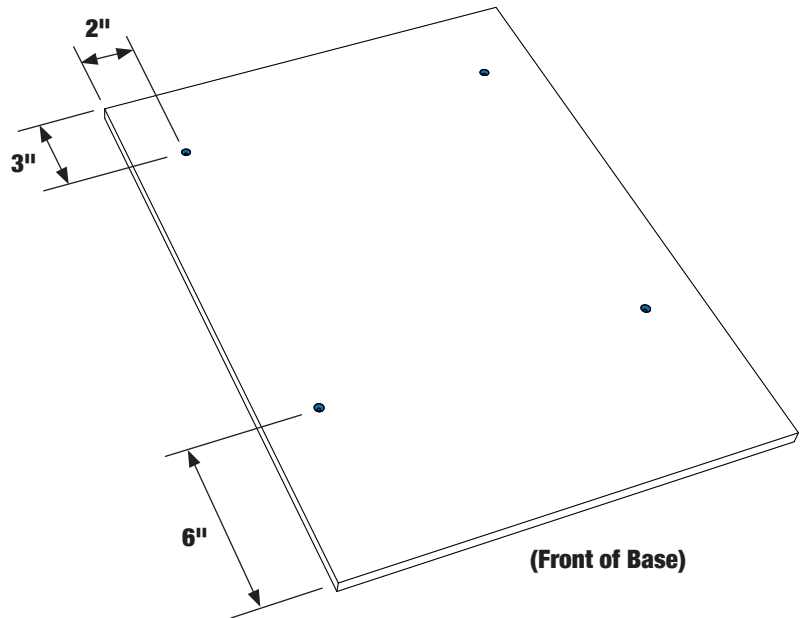
Cut out all material using the Lumber & Sheet Cut Lay-out Guide.



Assembly Instructions

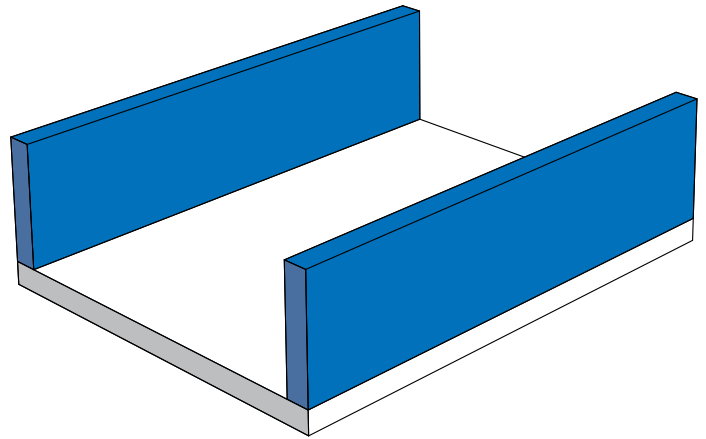
Step 2

Using the Countersink Bit and the Drill/Driver, drill four holes into base bottom as shown in the diagram.



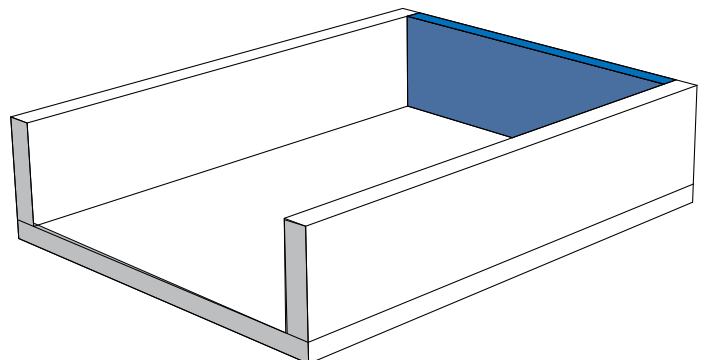
Step 3

Start by assembling the base. Attach the two 4" x 20-1/4" pieces on both sides of the 15-3/4" x 20-1/4" piece by nailing brad nails from the underside of the base.



Step 4

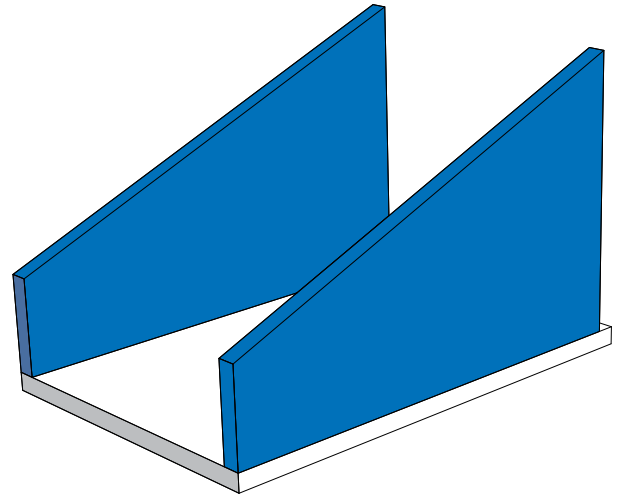
Next, attach the 13-3/4" x 4" board to form the back of the base. Again, attach the board by nailing brad nails from the underside of the base. Set the base aside.



Assembly Instructions

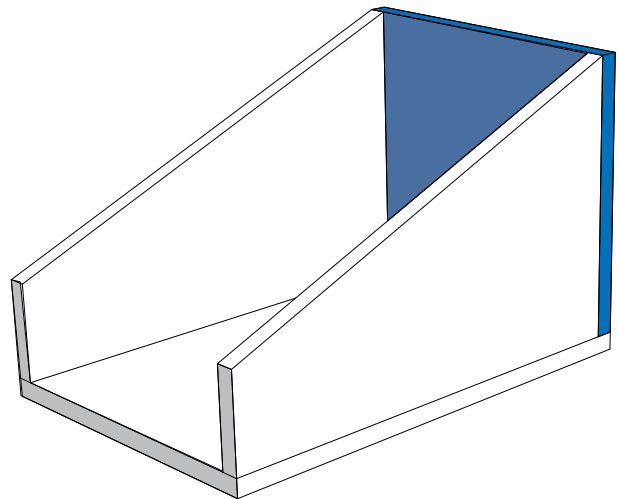
Step 5

Next, assemble the drawer. Start by attaching the 4" x 18-3/4" x 11-3/4" boards to the side of the 14-1/4" x 19-1/2" board using a hammer and brad nails.



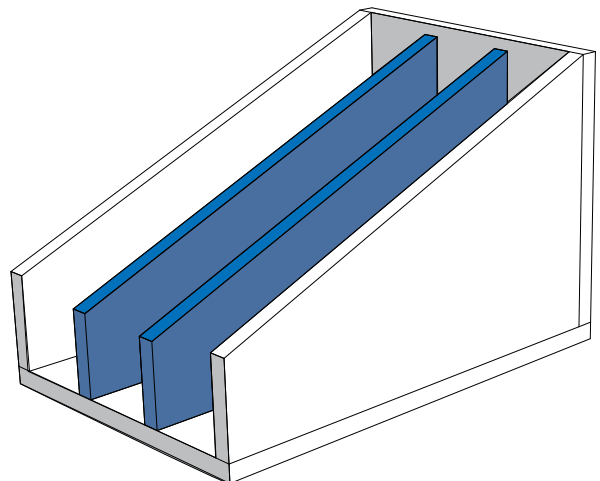
Step 6

Attach the 13-1/4" x 11-3/4" board to the back of the drawer with brad nails.



Step 7

Attach the 3-1/2" x 18-3/4" x 11-1/4" interior dividers with brad nails.

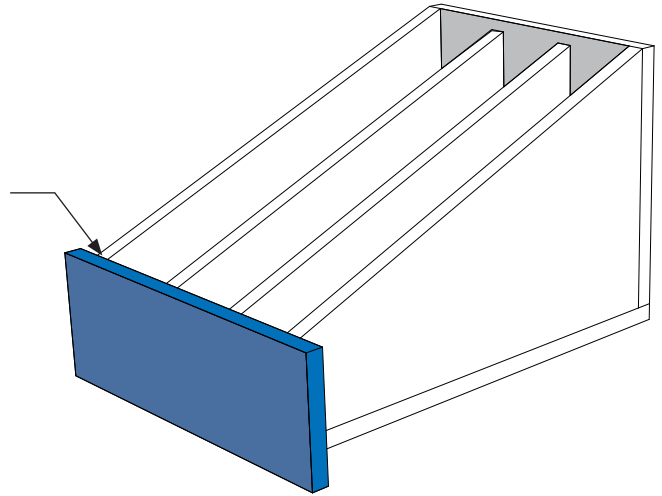


Assembly Instructions

Step 8

To finish the assembly of the drawer box, attach the 5-1/2" x 15-3/4" drawer front with brad nails. Make sure the top edge of the drawer front and top edge of the dividers are even with each other.

Even with edge



Step 9

Before final assembly, sand and finish to your desire.

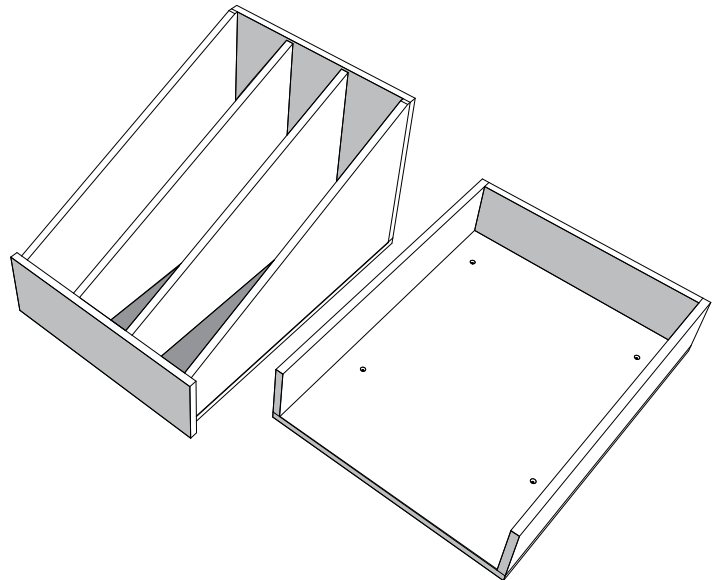
H Rougher finish – Use 60-80 grit sandpaper to hand sand with the grain of the wood.

Smoother finish – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

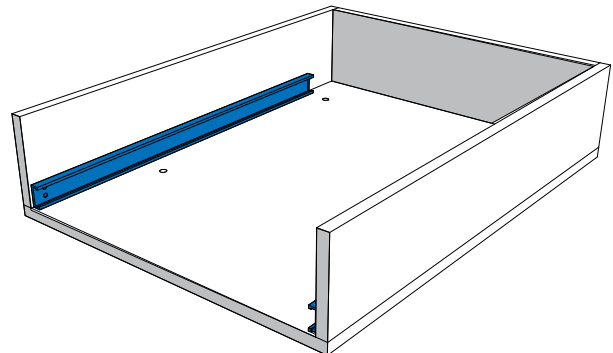
Finish Sanding – Use 320-400 grit sandpaper

Super fine sanding – Use 600+ grit sandpaper



Step 10

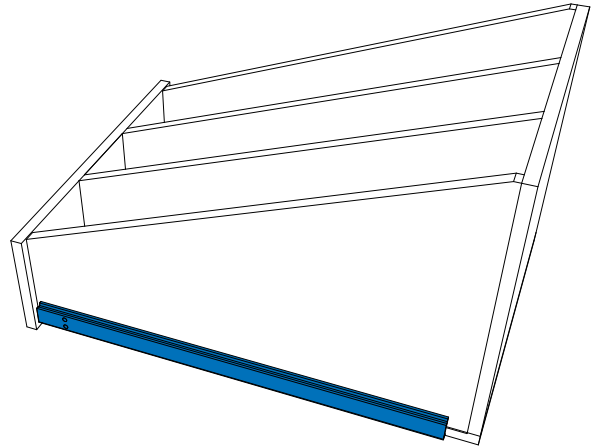
Install the outside drawer slides to the base according to the drawer slide instructions.



Assembly Instructions

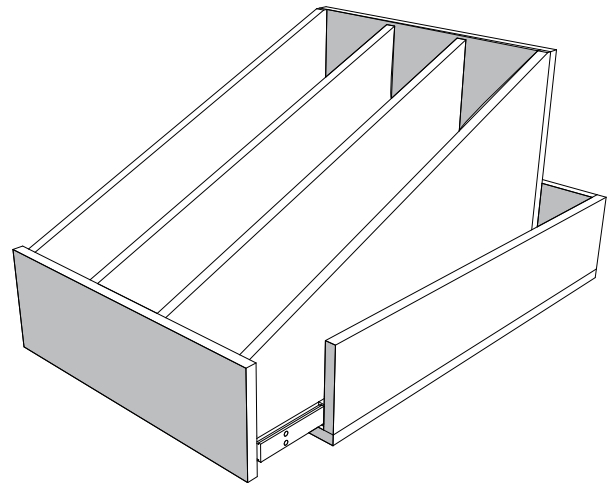
Step 11

Install inside slides to drawer assembly according to the drawer slide instructions.



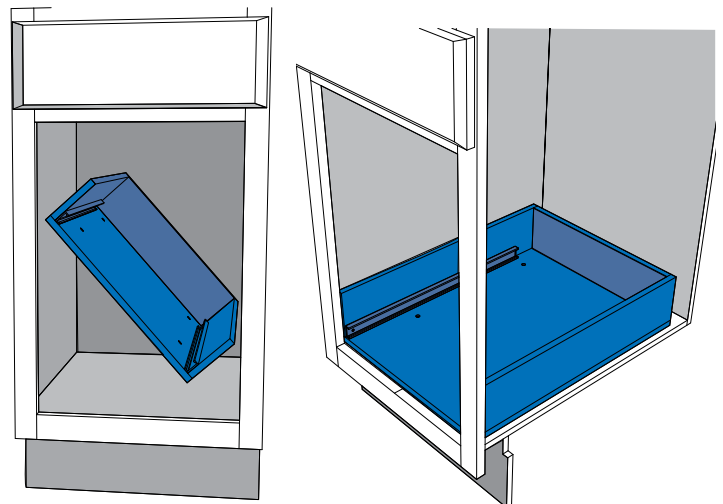
Step 12

Test to see if your drawer and base slide freely and fit correctly.



Step 13

Remove drawer from base to install it in the cabinet. Rotate the base to get it inside (drawer base will be wider than the cabinet's opening width).



(Cabinet shown with door and side panel off)

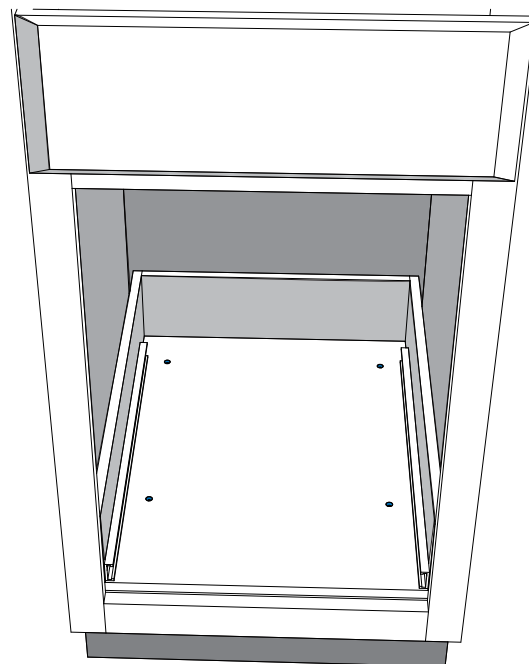
Assembly Instructions

Step 14

Once the base is in, center the base with the cabinet opening and position it 1/8" off of inside edge of the cabinet's face frame.

Drill four 3/16" holes through the previously drilled countersink holes into cabinet base.

Attach base assembly to cabinet with #8 x 1/4" wood screws. This will keep the Pan Organizer from tipping over when the drawer is extended.



Step 15

Slide drawer assembly back into base.

