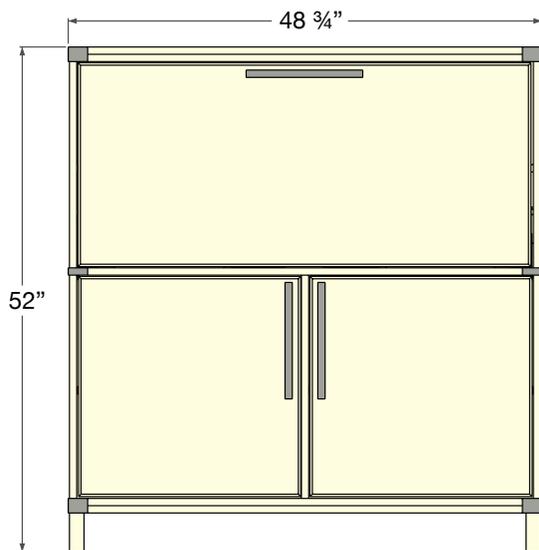


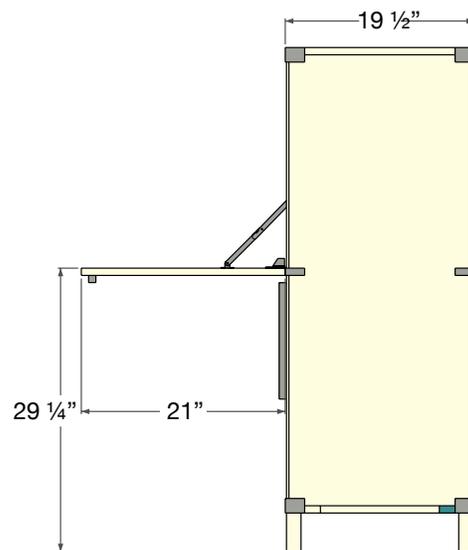


Flip Front Secretary

*A*dd style and functionality to any room in your house with this sophisticated heirloom secretary. With a front door that flips out to reveal a table height desk and ample storage this DIY project will make turn heads for years for to come. The best part? You made it yourself for a fraction of what it would have cost commercially.



FRONT



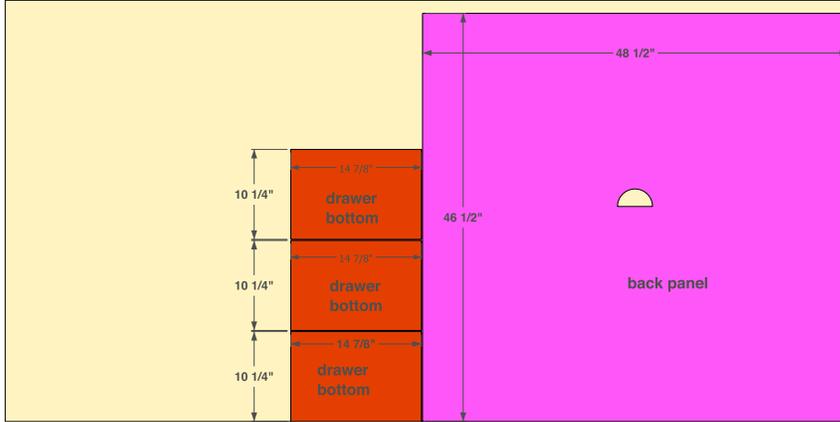
SIDE

Make sure you read through the instructions carefully and take notice of any special construction notes prior to making any cuts. And always practice safe DIY'ing. Have fun!

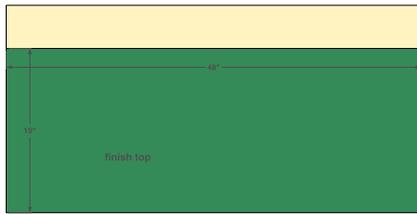
PLEASE NOTE - many pieces may require you to cut them to fit a certain size while you are building it. Its best not to cut pieces until you need them. Take your time and study all the diagrams.

CUT LIST

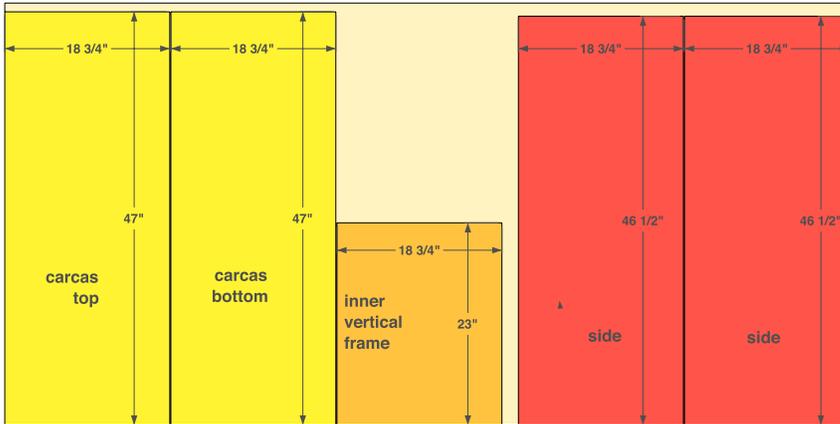
1/4" x 4' x 8' plywood



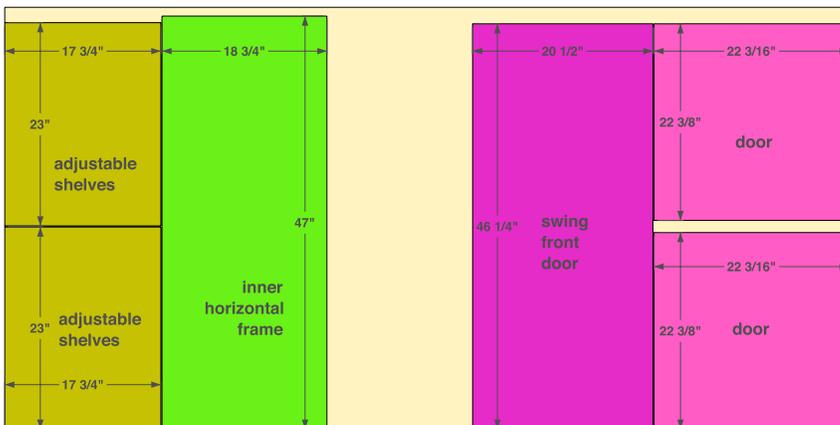
3/4" x 2' x 4' v



3/4" x 4' x 8' plywood



3/4" x 4' x 8' plywood



NOTE

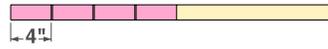
Try to cut the swing front door and both side swinging doors as shown. That will allow the 3 largest pieces on the front of your secretary to have all the grain running in one direction and seem as though it is from one piece of wood. The heightened level of your DIY skills will be the envy of your friends.

Make sure you read through the instructions carefully and take notice of any special construction notes prior to making any cuts. And always practice safe DIY'ing. Have fun!

PLEASE NOTE - many pieces may require you to cut them to fit a certain size while you are building it. Its best not to cut pieces until you need them. Take your time and study all the diagrams.

CUT LIST

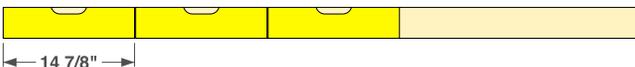
2" x 2" x 3'



1" x 3" x 6'



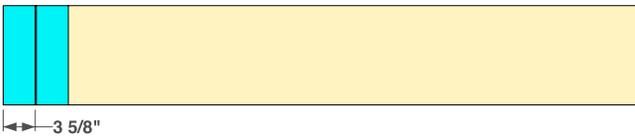
1" x 4" x 6'



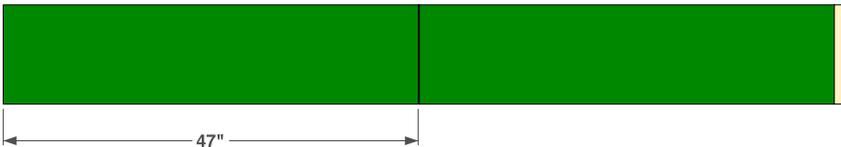
1" x 6" x 6'



1" x 12" x 6'



1" x 12" x 8'

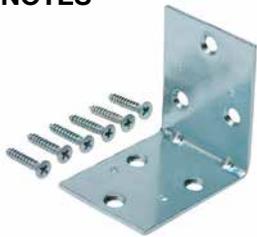


MATERIALS LIST

Material	Qty
¾" X 4' X 8' plywood	2
¾" X 2' X 4' plywood	1
¼" x 4' x 8' plywood	1
1" x 12" x 8' pine board	1
1" x 12" x 6' pine board	1
1" x 6" x 6' pine board	1
1" x 4" x 6' pine board	3
1" x 3" x 6' pine board	3
2" x 2" x 36" poplar craft board	1
¼" x 8' screen molding	10

Material	Qty
1-¼" pocket screws	
2" wood or spax screws	
¾" brad nails	
1-¼" brad nails	
¾" staples	
wood glue	
Liberty non-mortising surface mount hinges; 1pk of 2	1
Everbilt cabinet support	2
Everbilt 1-½" x 2" corner strapping	8
Everbilt ¾" x 2" corner strapping	4

NOTES



**2 in. Zinc-Plated
Double-Wide
Corner Brace (2-Pack)
151543**



**2 in. Steel Zinc-Plated
Corner Brace (4-Pack)
339695**

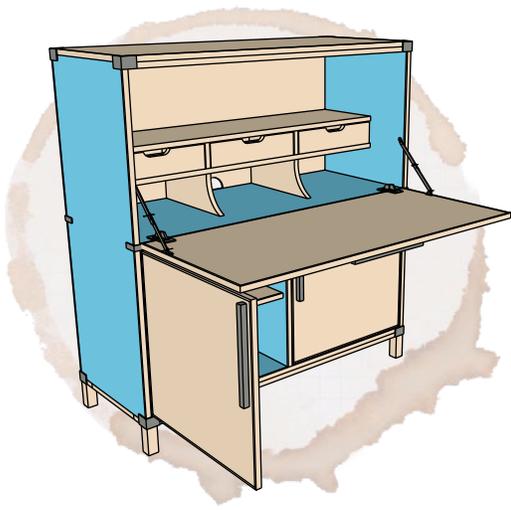


**90-Degree Surface Mount
Hidden Spring Hinge (1-
Pair)
248233**

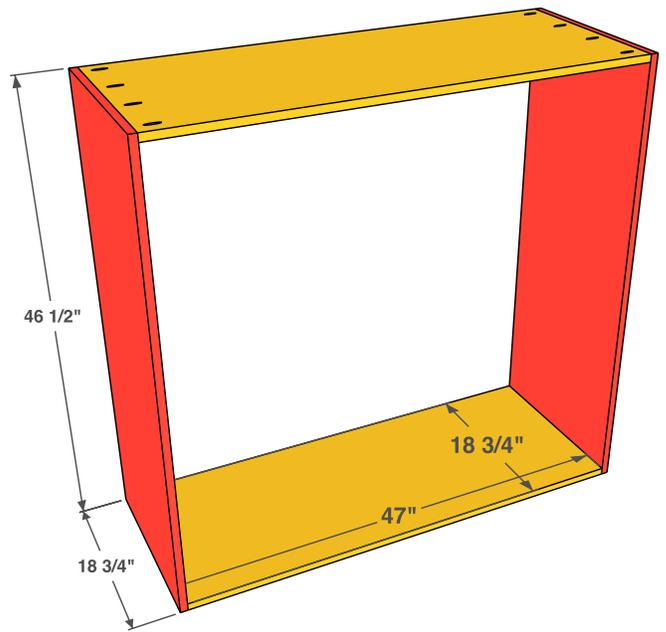


**Bright Brass Lid Support
Right Hand Hinges
1000020966**

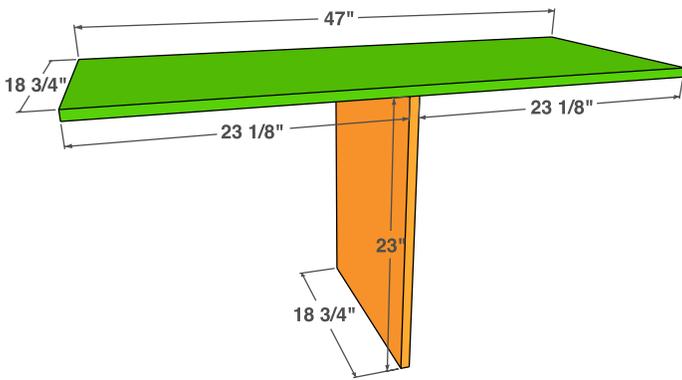
These are sold as 'left' and 'right'. You will need one of each. The back instructions say to place them on the outside but they will work on the inside of the cabinet. You will switch them so that the left is on the right and the right is on the left.



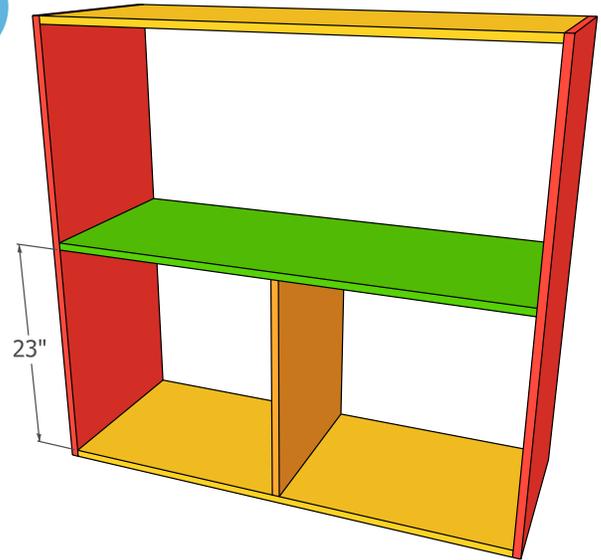
1



2



3



1.

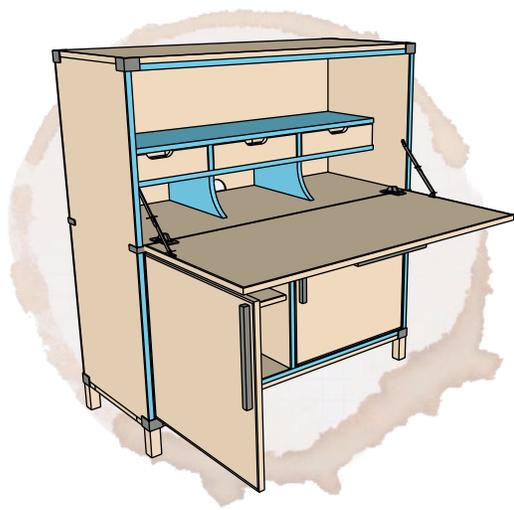
First we will build the outside shell. Cut your plywood according to the cut list for the sides, top and bottom. Drill $\frac{3}{4}$ " pocket holes in the top and bottom and attach with wood glue and 1- $\frac{1}{2}$ " pocket screws. Make sure your pocket holes face up for the top and down for the bottom and make sure your boards' outside edges are flush.

2.

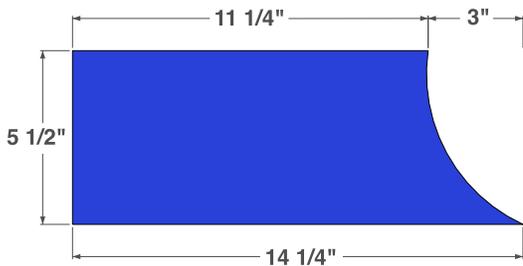
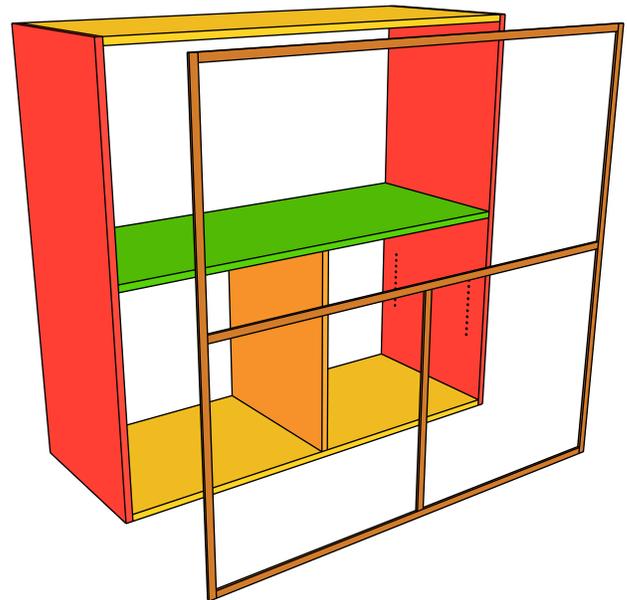
Next we will construct the inner frame. Cut the horizontal and vertical frame pieces from the plywood. You will attach with wood glue and 1- $\frac{1}{4}$ " brad nails. To be sure you are nailing in the correct spot mark lightly on the horizontal piece with a pencil where the vertical board below will be. Hold a speed square to make sure the pieces are perpendicular.

3.

Now you will attach the inner frame to the outer shell. Set the inner frame in place and attach with wood glue and 1- $\frac{1}{4}$ " brad nails. Make sure the outer edges are flush.

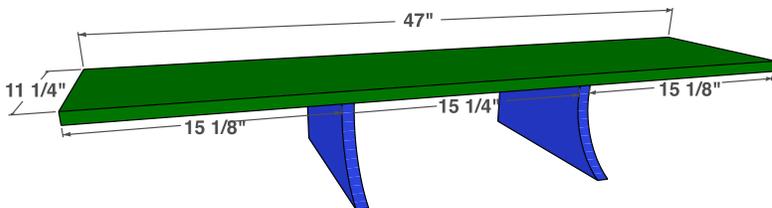


4

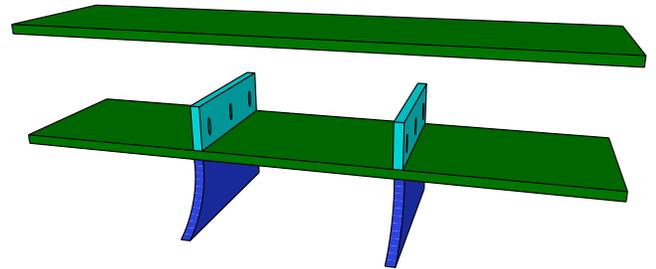


X 2

5



6



4.

Next we will attach the screen molding to the front edges of all the plywood. Attach with wood glue and 1" brad nails. Starting with the vertical pieces and continuing with the horizontal pieces cut each piece to fit flush. You will cut them to be butt joints in the corner.

Using your KREG shelf pin jig drill for your adjustable shelves you will build in Step 11 in the bottom two sections. Follow the instructions that came with your KREG jig.

5.

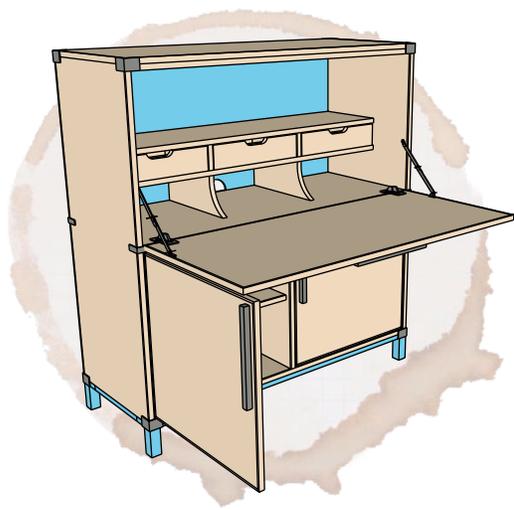
Now we will construct the inner shelf. Begin by cutting the bottom supports to length from 1x6 boards. Then mark 3" in from one end, and using a paint can as a guide, draw a semi circle down to the closest adjacent corner. Cut with a jigsaw. Repeat with the second bottom support.

Now cut the first 1x12 shelf to length to fit within the cabinet. Attach the bottom supports with wood glue and 1-1/4" brad nails. Use a speed square to make sure the pieces are perpendicular. Make sure the upper edge of the arc is flush with the edge of the 1x12 shelf.

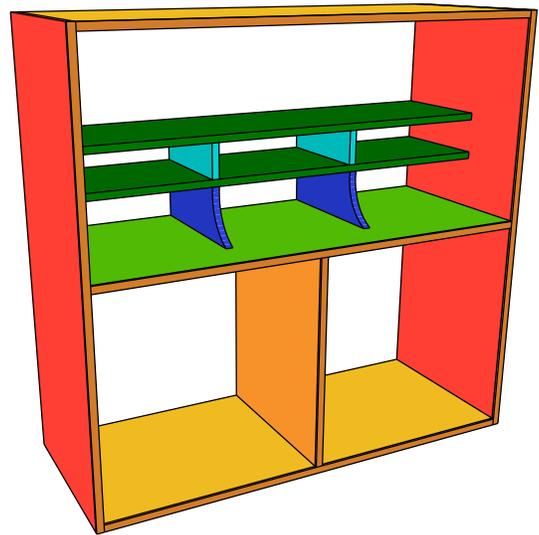
6.

Time to attach the second shelf. Cut the middle dividers from the 1x12 board. Drill 3/4" pocket holes into the dividers and attach to the shelf assembly from Step 5 with wood glue and 1-1/2" pocket screws. Make sure the dividers are lined up with the supports from Step 5.

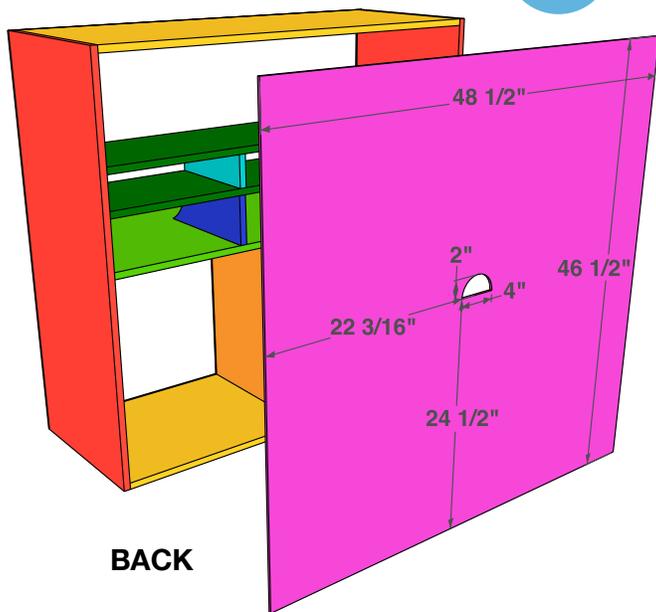
You don't have to worry about the pocket holes showing as you will be building drawers to go into the three cavities.



7

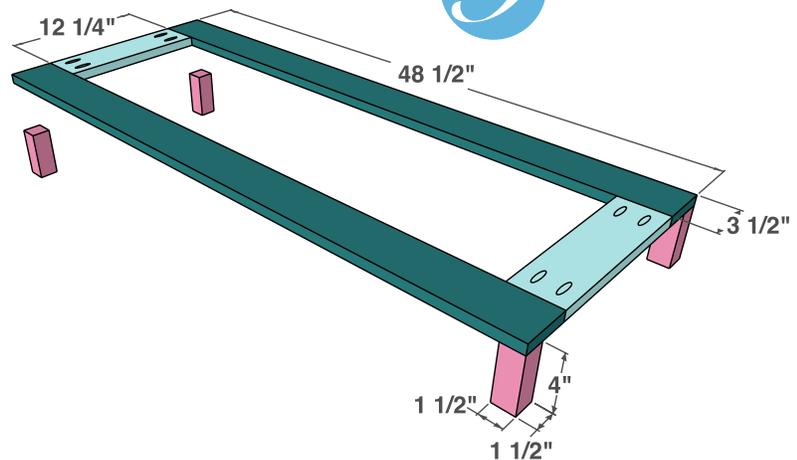


8



BACK

9



7.

Now insert the shelf assembly into the upper space of your cabinet. Attach with wood glue and 1-¹/₄" brad nails.

8.

Time to attach the back ¹/₄" plywood panel. Cut to size to fit flush with the outside edges, should be close to the cut list size. Next you will cut a semi-circle hole in the panel for power cords. Using the approximate dimensions above mark out 1/2 of a 4" diameter circle. You want it to be located so that the flat edge of the semi-circle is flush with the top of the bottom shelf. After you have marked your semi-circle drill a hole in the middle of it big enough to get the blade of your jigsaw through. Jigsaw out the semi-circle.

Attach with wood glue and ³/₄" staples.

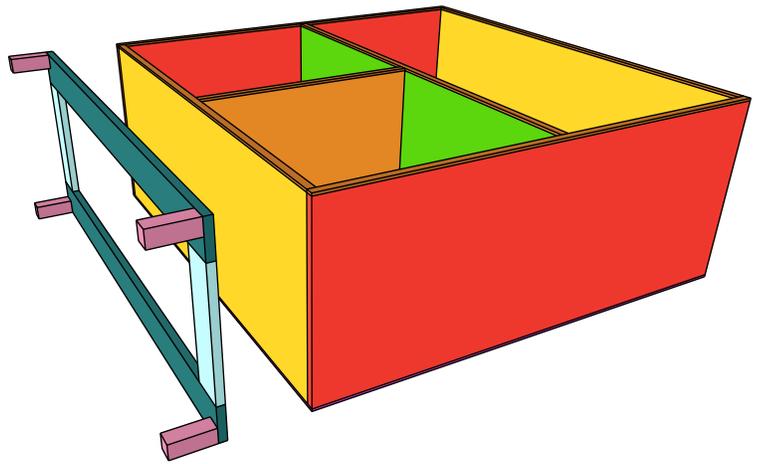
9.

On to the stand that the cabinet will sit on. First cut the 1x4 boards so that they make a rectangle that perfectly fits the bottom of the cabinet, it should be close to the measurements as shown above. Drill ³/₄" pocket holes into the shorter boards and attach to the longer boards with wood glue and 1-¹/₂" pocket screws.

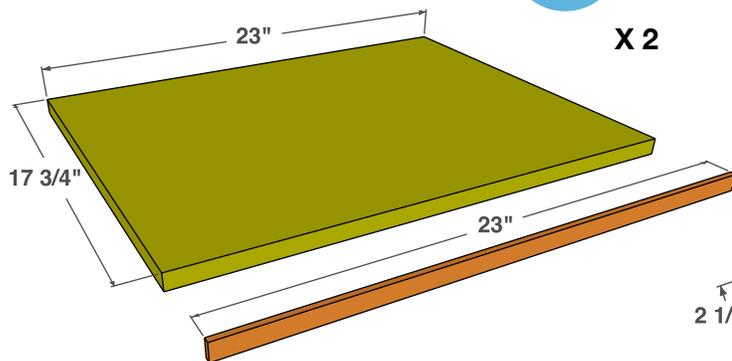
Cut the 4" feet from the 2x2 board. You will attach them so that they are flush with the outside edges at the corners. You may find it easiest to glue and clamp them in place and allow to dry. Then come back, drill two pilot holes for each foot and attach with 2" spax screws. Otherwise the feet may shift on you when drilling the holes while the glue is still wet. Another good tip is to only use a little glue when clamping to keep the feet from shifting on you.



10

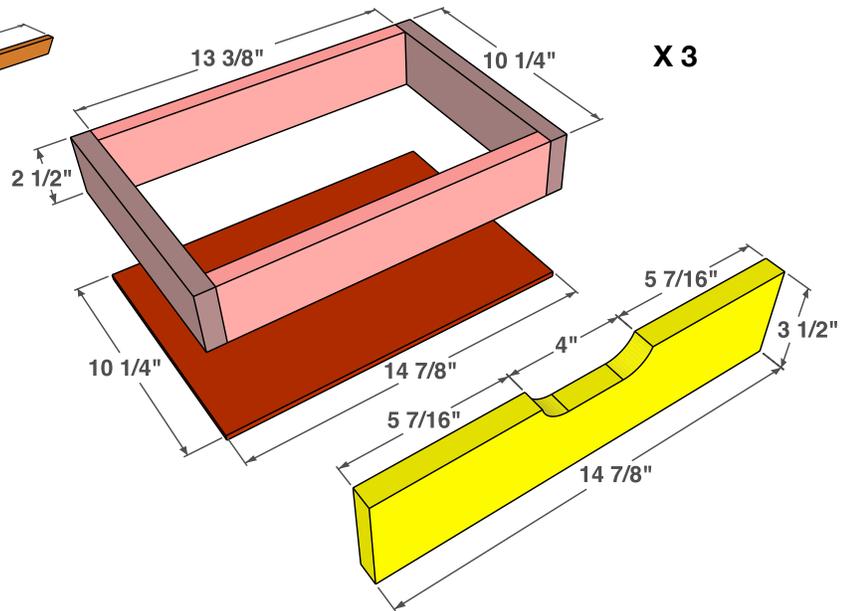


11



X 2

12



X 3

10.

Time to attach the base to the cabinet. Carefully lay your cabinet on it's back. Glue the base and align the base with the bottom so that the outside edges are flush. Clamp in place. Place a piece of tape 1" from the end of your drill bit so that when you are drilling pilot holes you will stop when the tape hits the wood and you will not drill up through the bottom of your cabinet.

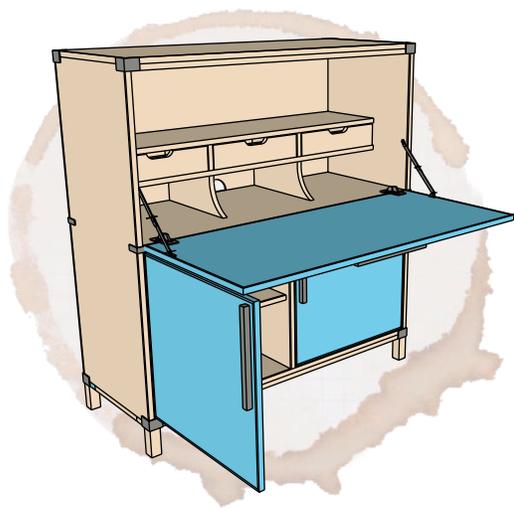
After drilling the pilot holes attach with 1-1/4" spax screws.

11.

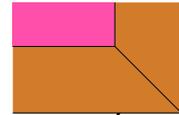
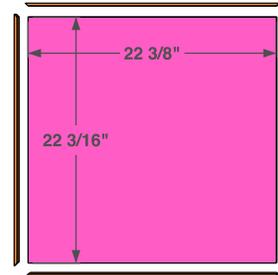
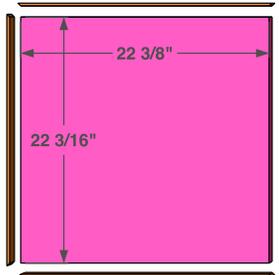
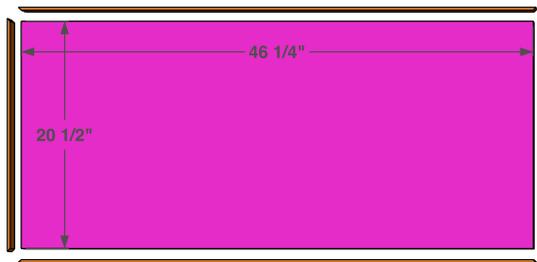
Cut the adjustable shelves to size so that there is about a 1/16" - 1/8" gap between the shelf and the cabinet wall on both sides and that it sits back from the front about 1", should be close to the measurements given above. Attach screen molding to the front with wood glue and 1" brad nails.

12.

For the drawers first cut the frames from 1"x3" boards so that there is a 1/8" gap to either side when placed in the drawer opening in the shelf assembly. Either drill 3/4" pocket holes and attach with wood glue and 1-1/2" pocket screws or attach with wood glue and 1-1/4" brad nails. Next cut the 1/4" plywood bottom to fit flush with the outside edges and attach with wood glue and 3/4" staples. Now cut the drawer face frame to length so that is flush with the outside edges. Cut out a notch to grab the drawer as shown and attach with wood glue and 1-1/4" spax screws from the inside of the drawer. Make sure the face frame is flush with the bottom of the drawer.

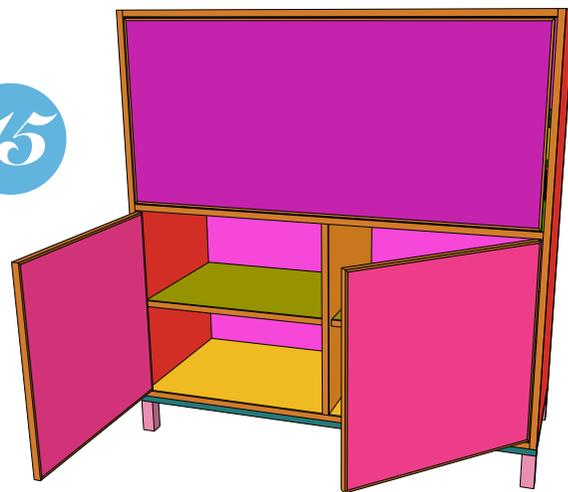


13



14

15



13.

Cut the front flip down door and the two swinging doors to size so that there is a 1/8" gap all around the doors. Don't forget to account for the 1/4" thickness of the screen molding trim when figuring the correct size. Attach the screen molding with wood glue and 1" brad nails. This time you will see the corners so try to miter cut them for the best look.

14.

To attach the hinge and support hardware follow the instructions on the packaging. The supports say that they are to be attached to the outside but they will work for the inside too. You will just want to switch the left and right positioning. Follow the instructions for the non-mortise hinges and use the template in the packaging.

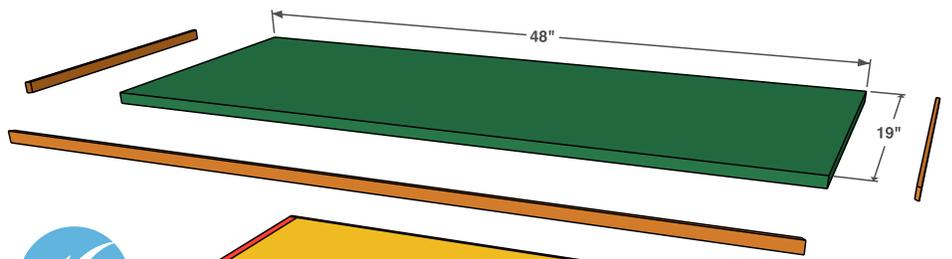
You will most likely need an extra pair of hands for this step and the next.

15.

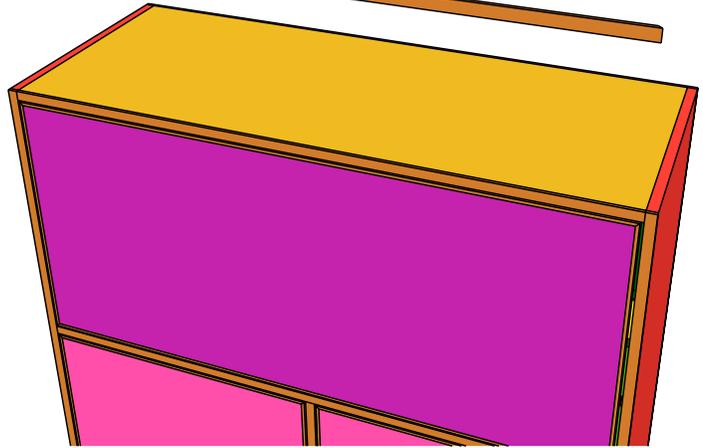
Attach the swinging doors with hinges.

16.

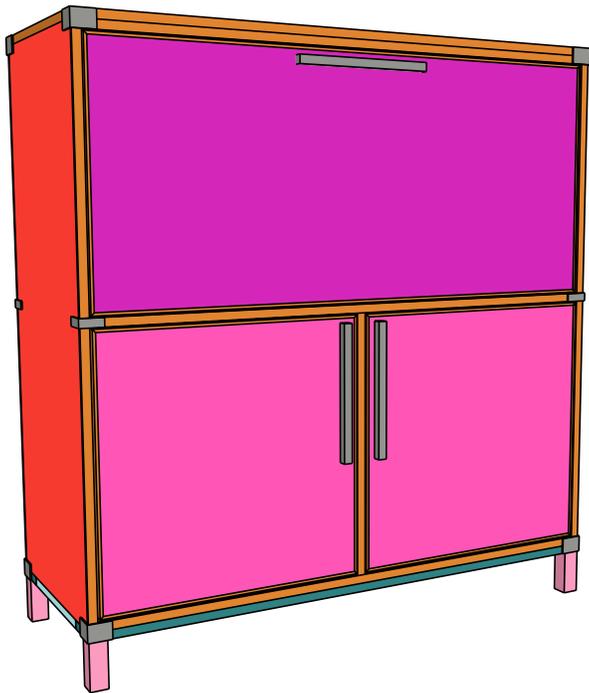
For a more sophisticated look paint the strap hinges black. Attach at corners.



16



17



16.

Cut the top to fit flush with the outside edges of the cabinet, taking into account the $\frac{1}{4}$ " thickness of the screen molding. Attach the screen molding to the front and two sides only with wood glue and 1" brad nails.

Glue the top and attach with wood glue and 1- $\frac{1}{4}$ " brad nails to the cabinet from inside and underneath the top.

17.

Attach the metal strapping as shown. The 1- $\frac{1}{2}$ " wide strapping goes at all four corners both top and bottom. The $\frac{3}{4}$ " wide strapping goes around the middle around the front edge of the divider. For an even more rustic look you can try spray painting the strapping before attaching to the cabinet.

Attach the door hardware.

Finish the cabinet in any finish you like and don't forget to send us a picture of it when you are done.

Have fun!!