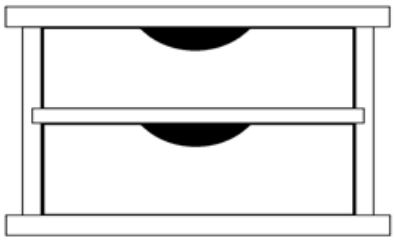
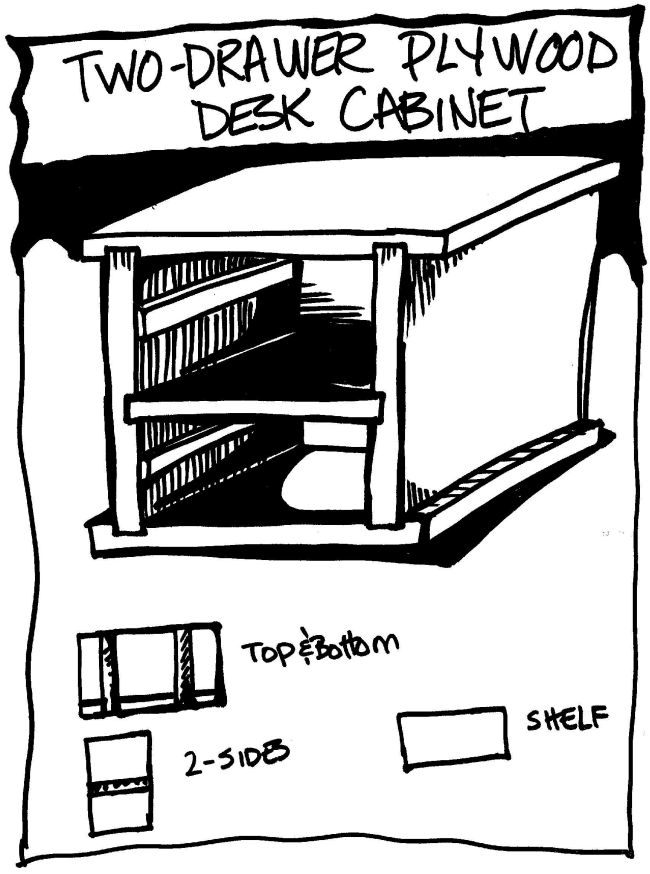
Desk Cabinet Project (CON 1160)



1. Obtain your rough-cut ¾" piece of plywood from your instructor.

2. Cut the ¾" plywood to the specified sizes using the table saw and miter saw.
   ¾" Plywood Cut List

Quantity	Part	Width (cross grain)	Length (with the grain)
(2)	Top/Bottom	8 ¾"	10"
(2)	Sides	8 ¾"" (depth)	8 ½"
(1)	Shelf	8 ½"	8 ¼"



3. Label the good side (outside) of the top and side panels lightly with a pencil.

4. Edge band any edges that will be visible once assembled.

5. When cooled, trim the edges of the veneer. Sand smooth.

6. Dado the top, bottom ¾" dado, ¼" deep, ½" away from either end. Dado the sides down the middle across the grain.

7. Find the center of the side pieces, mark the center on the edge of the sides. From the center, mark ⅜" over from either side of center. Then proceed to cut your dado out on the tablesaw ¼" deep.

8. Dry fit the panels together. Check for gaps.

9. Mark out rabbets for your start stop rabbets on the top and bottom pieces on the back edges of your project. The rabbet will start and stop between the dados you cut earlier. This cut will be done on the router table with a ¼" straight router bit. You will also cut a rabbet on the back edge of your side pieces.

9. Sand all your panels while in pieces as to easily sand before assembling.

10. Glue and clamp/pin nail the panels together. Use a cabinet square, and check for square.

11. Sand any remaining glue off of the project.

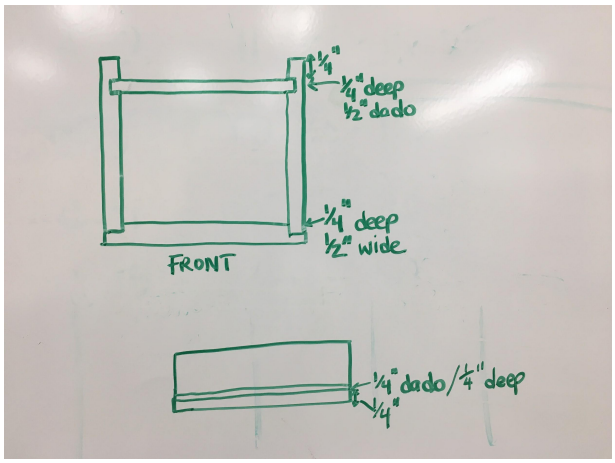
12. Cut a piece of ¼" plywood for the back panel. Fasten with 3/4" finishing nails.

Drawers

To build your drawers they should be built to fit your drawer opening. In many cases, students have made small changes to their case and therefore not all openings are the same. Follow the directions to plan out your drawers.

- Measure the height of your drawer opening and subtract 1/16" from that measurement, that will be the width of your drawer. Check both openings to make sure they are different. If they are, be sure to account for that and make your second drawer to fit the space.
- For the length of your front piece, measure the length of your opening and subtract 1/16".
- For the length of your back piece, subtract ½" from the length of your front
- The length of your sides is the depth of your opening subtract ¼".
- Your bottom piece will be the length of your back and the width will be the length of your side minus ½"

Quantity	Part	Thickness	Width	Length
(2)	Front	½"		
(2)	back	½"		
(4)	Sides	½"		
(2)	bottom	¼"		



12. Rip the dado for the drawer bottom using the router table. Use a ¼" straight bit. Set up the fence ¼" away from the bit.
13. Cut dados and rabbets for drawers.
14. Dry fit the drawers to check for fit.
15. Drill a 1" hole at the top middle of the drawer front for a finger hole pull. This should resemble a ¾" moon shape.
16. Glue and nail the corners of the drawers with 1" brad nails.
17. Finish with 2 coats minimum of clear coat, sand with steel wool in between coats.
18. Hand in for grading.