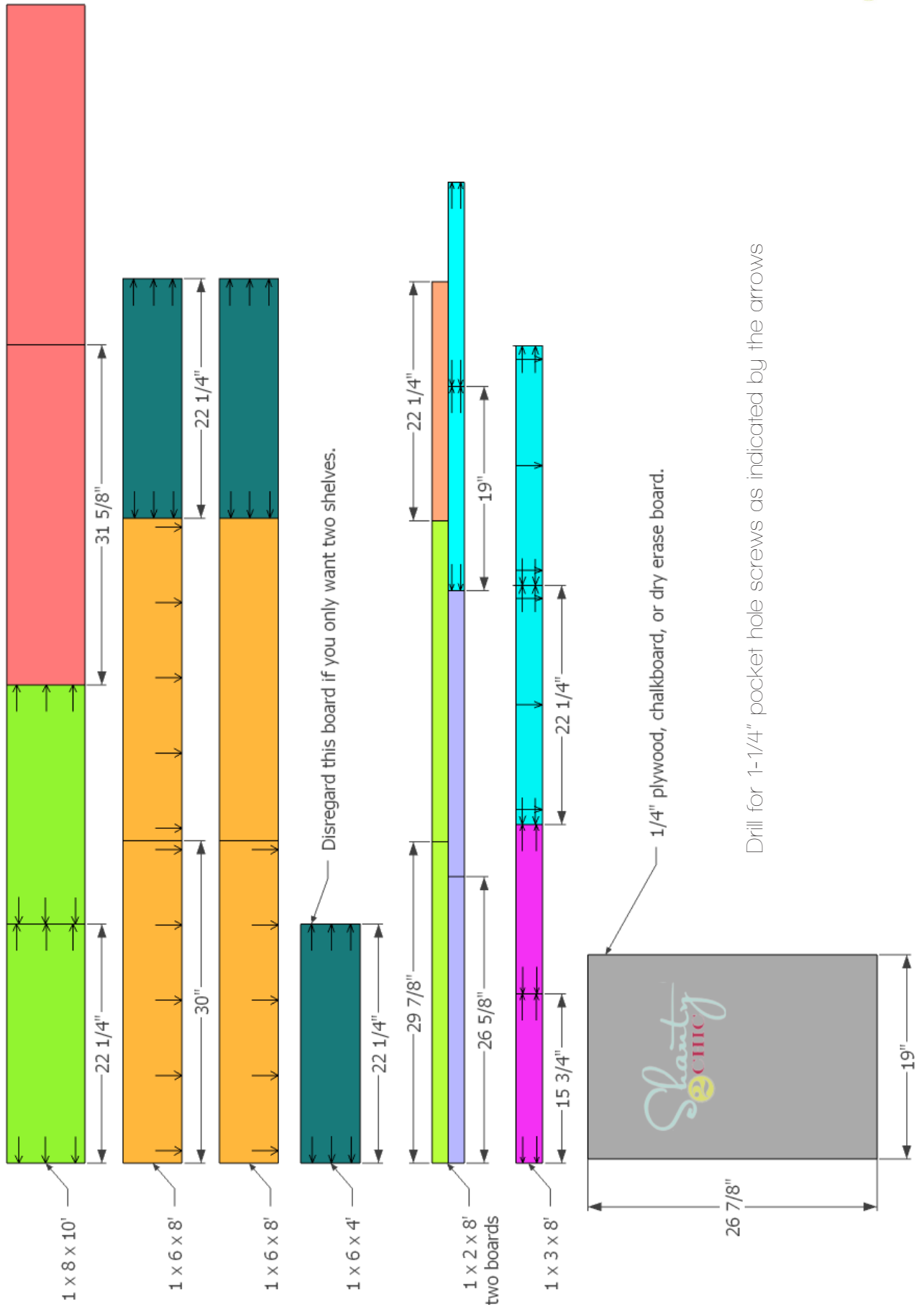


DIY Murphy Desk

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Supply List

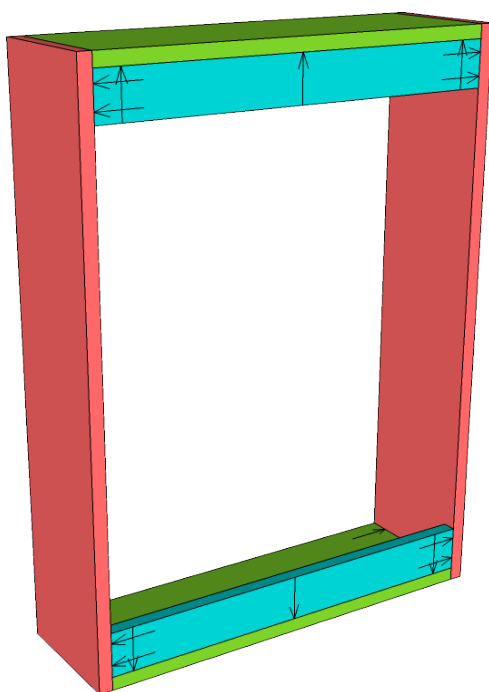
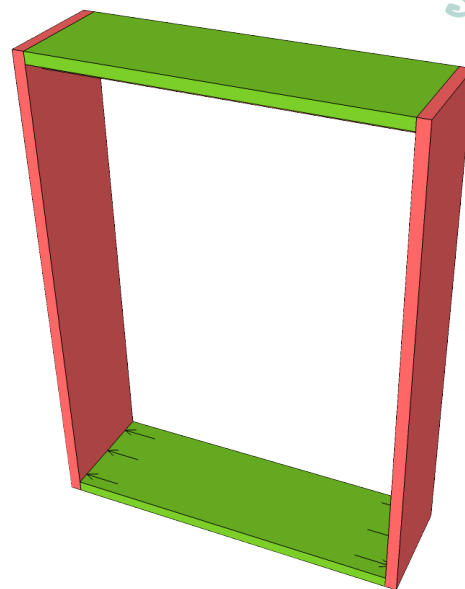
Item	Quantity	Description
1 x 8 x 10'	1	Pine or whitewood board
1 x 6 x 8'	2	Pine or whitewood board
1 x 6 x 22-1/4"	1	Optional for third shelf. Shortest board you can purchase
1 x 2 x 8'	2	Pine or whitewood board
1 x 3 x 8'	1	
3" wood screws	couple	To secure the desk to a wall
Brad nails	handful	
1-1/4" pocket hole screws	75	
1-1/2" piano hinge	2	18-3/4" and 22" long
Folding leg brackets	2	Optional, to prevent the leg from collapsing
19" x 27-7/8" x 1/4" panel	1	Chalkboard, plywood, or dry erase board
Finish of choice		
Suitcase or swivel latch	1	To hold the desk in the closed position
Magnets	1 pair	Optional, to hold the leg in the closed position



Drill for 1-1/4" pocket hole screws as indicated by the arrows

1

Wood glue should be used at every joint on this project. Assemble the frame by securing the top and bottom to the sides first. The pocket holes should be on the inside of the frame.

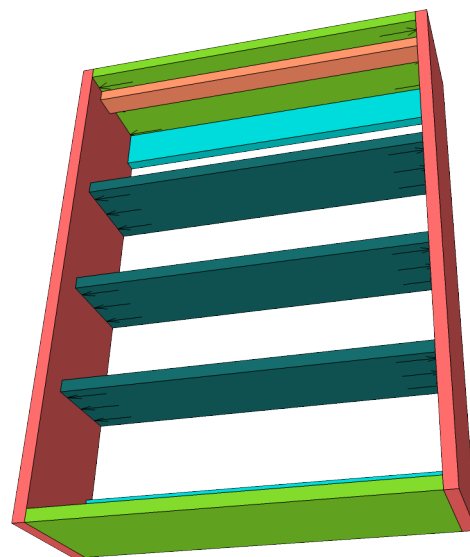


2

Next, add the top and bottom braces. They should be in the back of the frame with the pocket holes facing out.

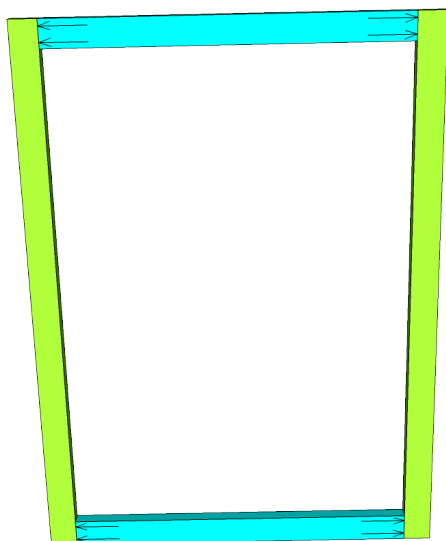
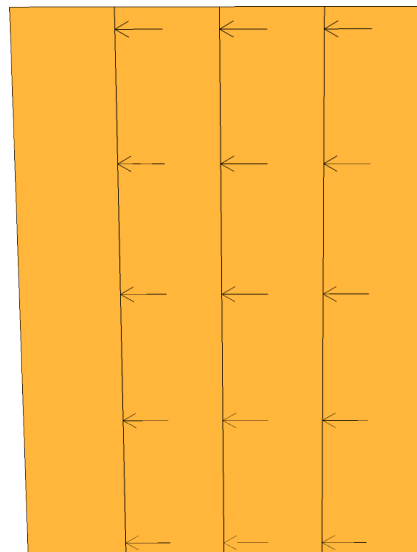
3

Secure the shelves your desired height with pocket hole screws and glue. You can opt for two shelves to store taller items. Also, add the top desk stop board. This is glued and brad nailed into the bottom of the top panel. It should be 1-1/2" from the front edge of the case.



4

Assemble the desk panel.

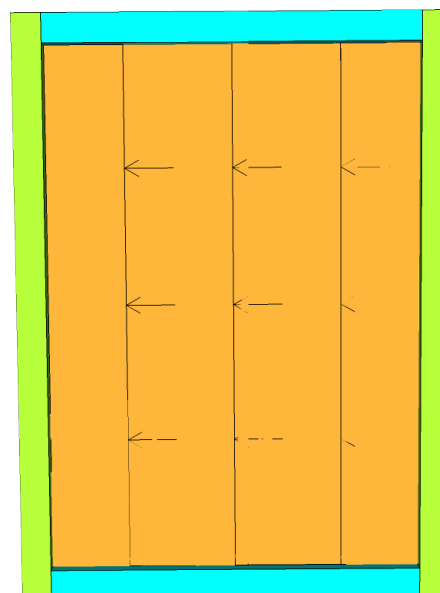


5

Assemble the desk frame.

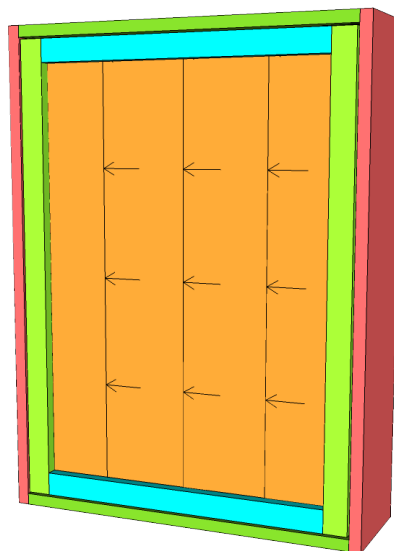
6

Secure the frame to the panel. Make sure the pocket holes are facing each other. Secure this with glue and brad nails.





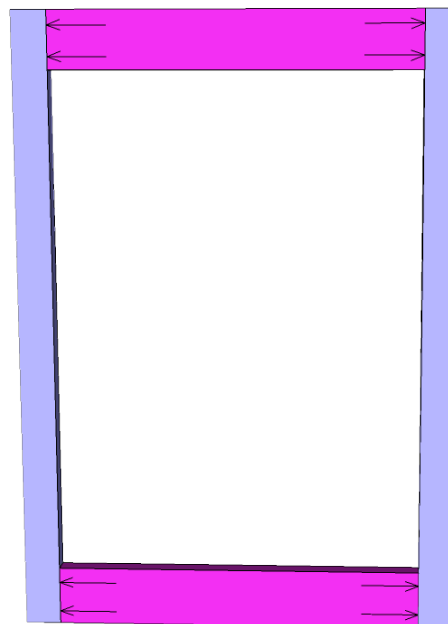
Mount the desk to the frame with a piano hinge at the bottom. Install a latch at the top of the case to hold the desk in the closed position.



Glue in your 1/4" panel to the bottom side of the desk. This will cover the pocket hole screws. You may need to lay this flat and put a few paint cans or large objects on the panel to hold it flat until the glue dries.

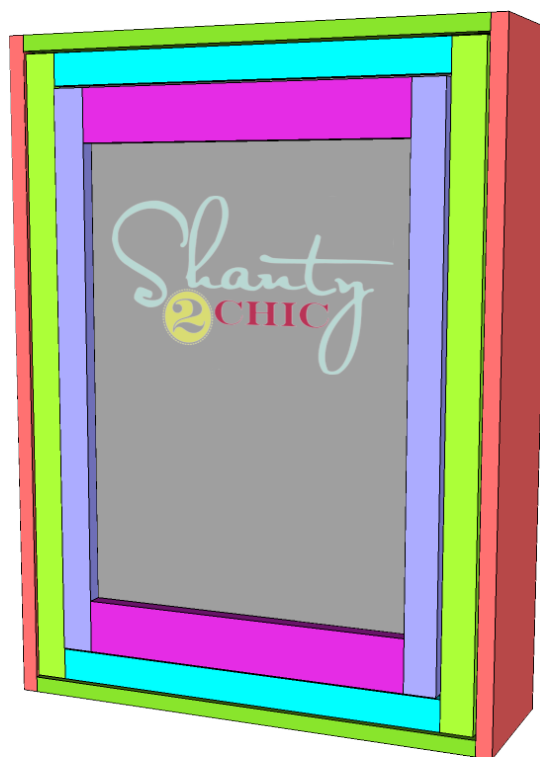


Assemble the leg frame.



10

Attach the leg frame to the bottom of the desk panel with a piano hinge at the top. Make sure the pocket holes are facing the inside. If you decide to use a leg hinge now is the time to install it. This leg frame will be a little proud of the rest of the cabinet because of the thickness of the 1/4" panel. If the leg frame won't stay folded completely drill a hole the same size as a magnet into both the inside of the bottom rail of the leg frame and the corresponding location in the 1/4" panel and glue in a pair of magnets.



11

Sand and finish as you desire. To make sure the desk is level when unfolded mount the case to the wall so that the bottom of the case is 26" off of the ground. If you have a couple of scrap pieces of wood in your workspace cut a pair to 28" long. Then lean them against the wall so that the tops are 26" off the ground. Now you can rest the cabinet on top of these as you screw it into a couple wall studs through the top and bottom braces with 3" wood screws. As always, if you make one of these be sure to stop by our website and let us know!

