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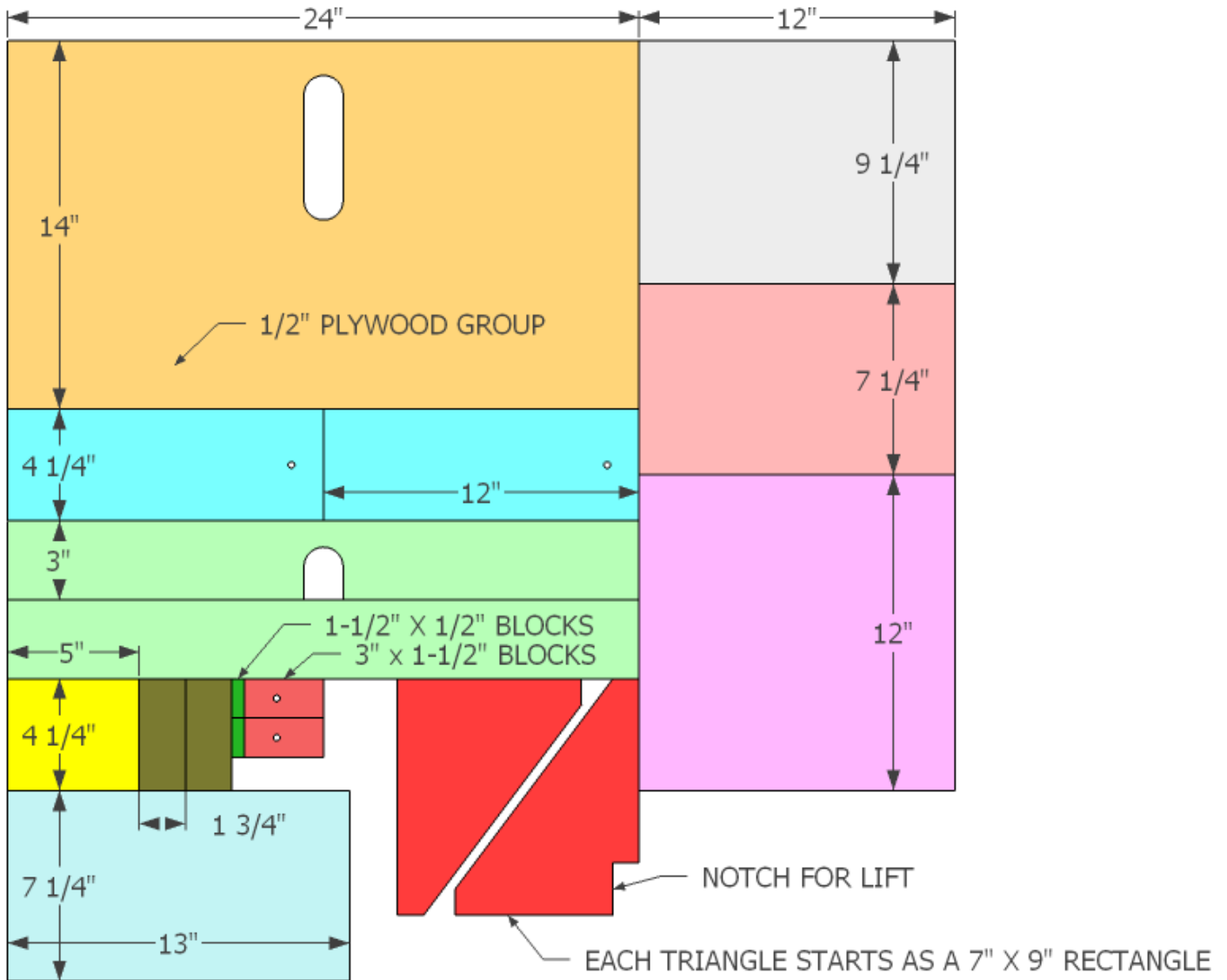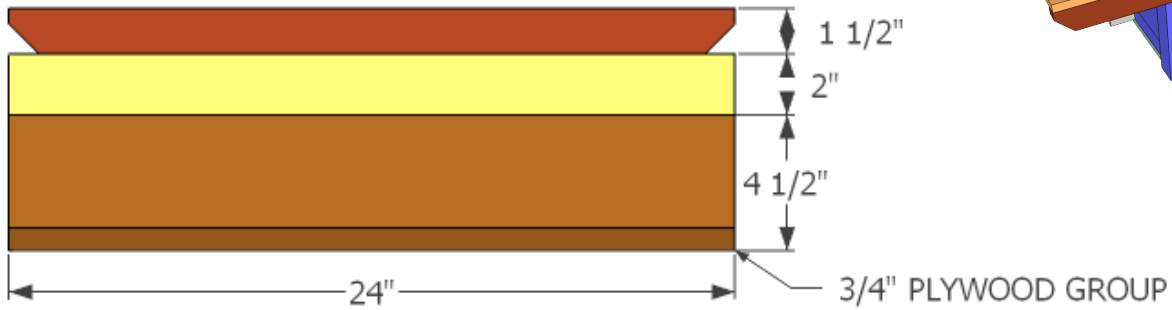## French Cleat Router Table

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Shopping List

Item	Quantity	Description
1/2" plywood		36" x 36"
3/4" plywood		24" x about 11" if you need a cleat for the wall
Wood glue		Sticky
Brad nails	Handful	
Hinges	1 pair	
1" pocket hole screws	16	I used 16 to secure the triangular brackets
1-1/4" drywall screws	1 pound	I predrilled and used these for general construction
Carriage bolts	2	At least 2-1/2" long
Screw down knobs	2	For use with the carriage bolts

The measurements in this plan are the measurements I used. Feel free to modify any of this to better suit your needs.

1 1/2"
2"
4 1/2"
24"
3/4" PLYWOOD GROUP

24"
12"
14"
9 1/4"
1/2" PLYWOOD GROUP
7 1/4"
4 1/4"
12"
3"
12"
1-1/2" X 1/2" BLOCKS
3" x 1-1/2" BLOCKS
5"
4 1/4"
1 3/4"
7 1/4"
13"
NOTCH FOR LIFT
EACH TRIANGLE STARTS AS A 7" X 9" RECTANGLE
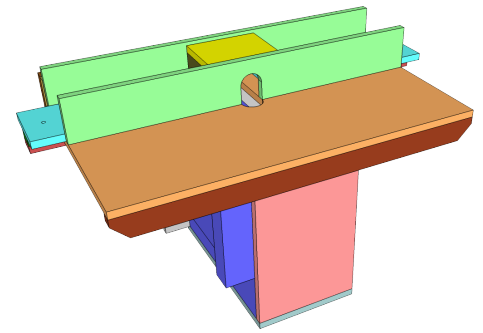
1

This router table is built around the ibuildit.ca router lift. Although you could incorporate any lift you choose. First use 1/2" plywood to box in the router lift
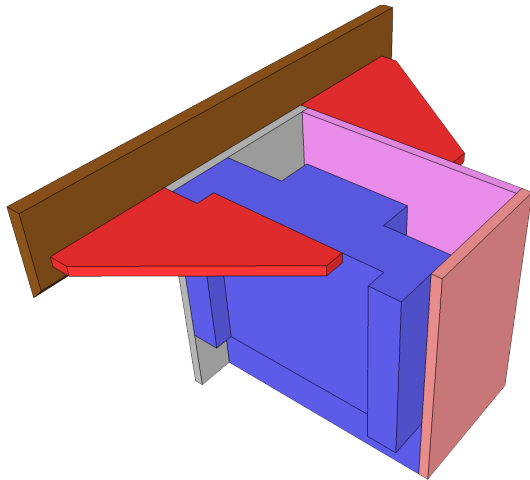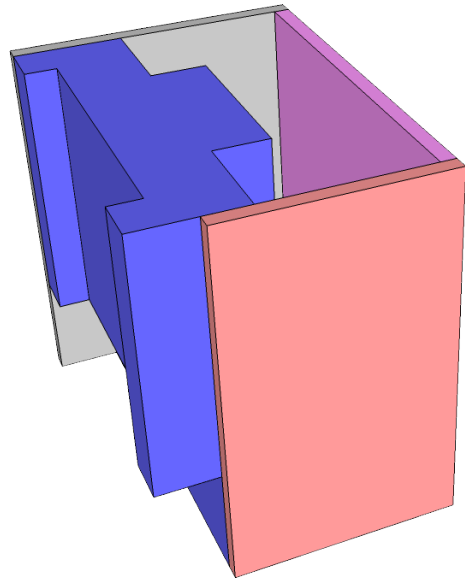
2

Next add the 3/4" plywood French cleat mount so that it's top is 2-1/2" above the router lift. This is centered in relation to the center of the router and screwed into the back piece however you choose. I used a bunch of drywall screws. Then add your 1/2" plywood triangle support brackets. I used pocket hole screws for this part.

3

Use 3/4" plywood to brace the top in the front and back. Add hinges to connect the top brace to the French cleat piece. Find the center of the router bit and mark it on the bottom of the top. Drill a 1-1/2" hole where the router bit is at and another hole that is 4" on center toward the back. Connect these circles with a jigsaw to form a slot. This will aid in dust collection.
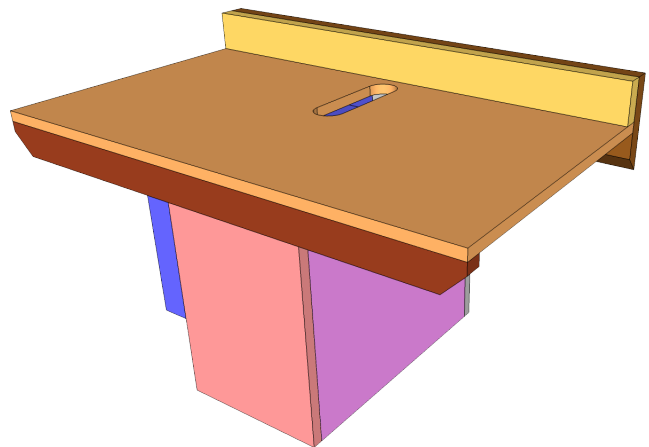
4

Assemble the fence. Everything is centered and there should be a 4" gap in the middle. This will allow enough overhang on the sides to drill a hole for a carriage bolt. The front opening is 1-1/2" wide and 2" tall.
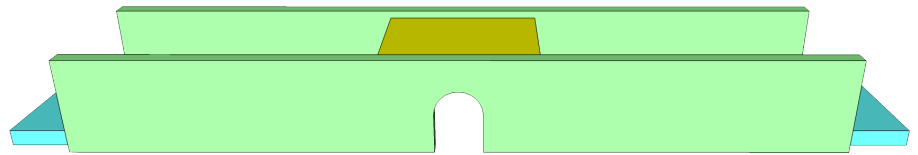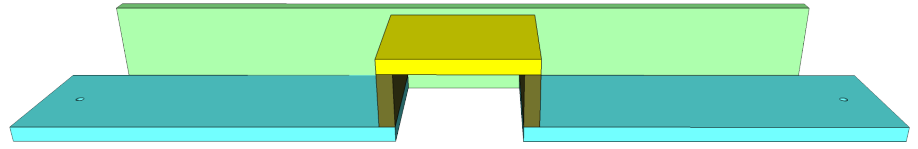
5

Glue the 1-1/2" x 1/2" plywood blocks to the end of the 1-1/2" x 3" blocks. Mark and drill corresponding holes for a carriage bolt on the overhang part of the fence and the assembled blocks. Add a carriage bolt and a corresponding knob to lock the fence down. If you are using dust collection attach a port to the bottom piece and install it. If you are not using dust collection you could attach either a dust bin or a pillow case to collect the dust.