DIY CREATORS

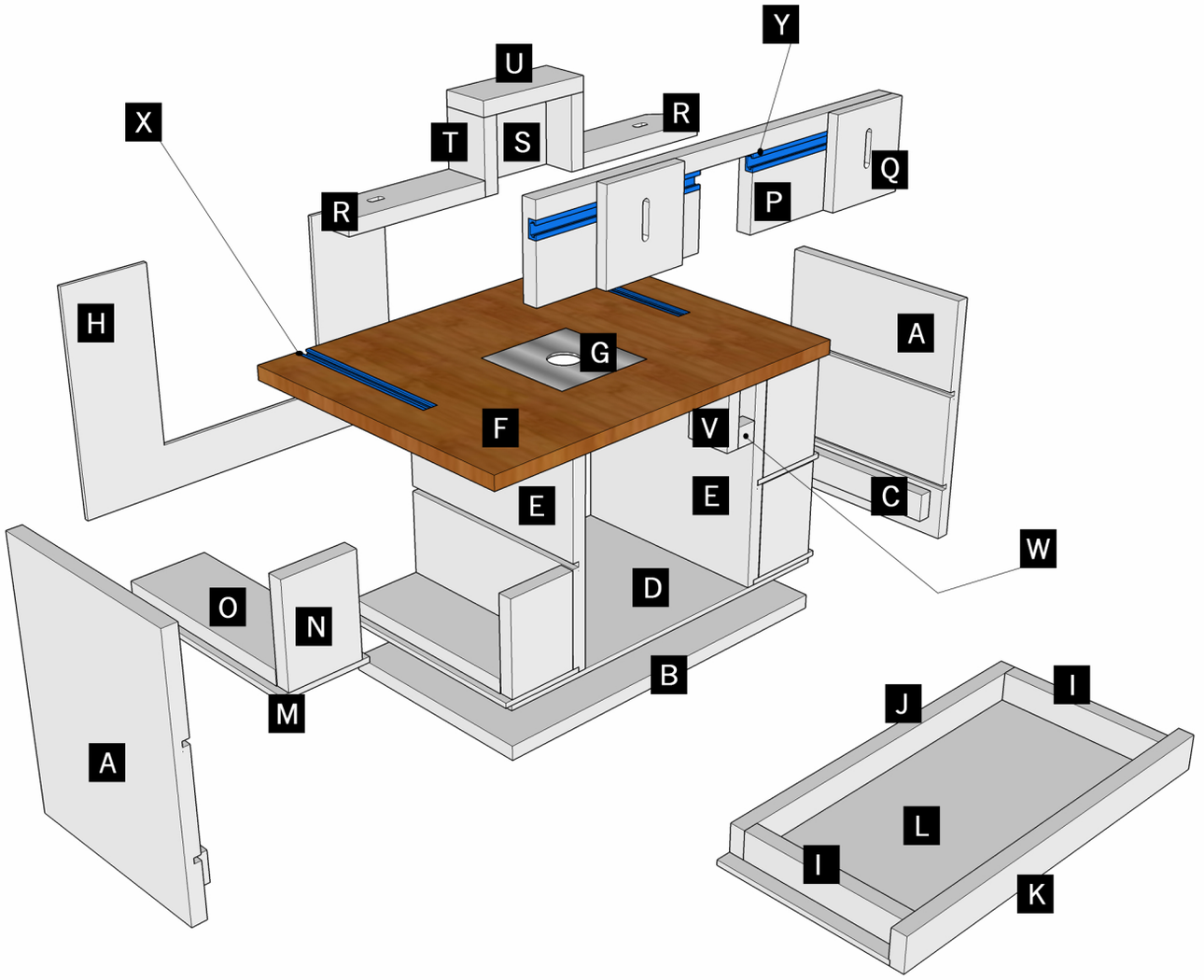
HOMEMADE BENCHTOP ROUTER TABLE

WITH BIT STORAGE AND ACCESSORIES DRAWERS

GLEN SCOTT

EXPLODED VIEW

LABELED PARTS



NOTE: READ THROUGH THIS ENTIRE MANUAL PRIOR TO STARTING. ALL PARTS SHOULD BE GLUED, YOU CAN USE BRAD NAILS, POCKET HOLES SCREW AND EXPOSED WOOD SCREWS.

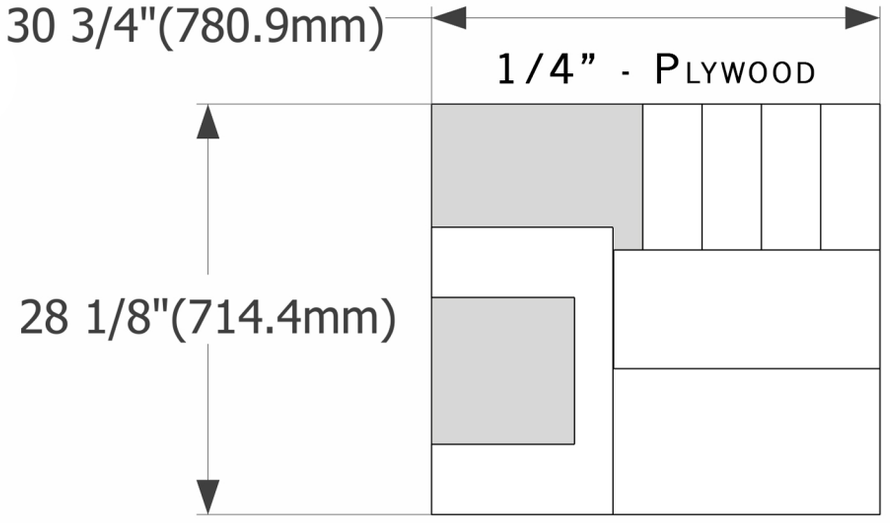
CUT LIST

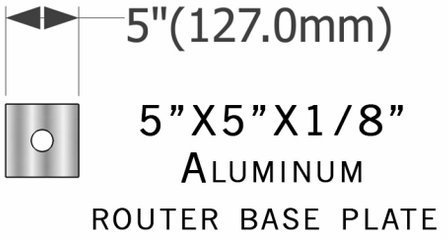
Parts	Quantity	Description	Length(L)		Width(W)		Thickness(T)		Material
A	2	Sides	12 7/16"	315.91mm	10"	254mm	11/16"	17.46mm	3/4in Plywood
B	1	Bottom	18 5/16"	465.13mm	10"	254mm	11/16"	17.46mm	3/4in Plywood
C	2	Drawer Slides (SPACER)	9 5/16"	236.54mm	1 7/16"	36.51mm	11/16"	17.46mm	3/4in Plywood
D	1	Drawer Top (DIVIDER)	18 5/16"	465.14mm	10"	254mm	1/4"	6.35mm	3/4in Plywood
E	2	Inside Divider Panel	10"	254mm	9 13/16"	294.23mm	11/16"	17.46mm	3/4in Plywood
F	1	Router Top	19 11/16"	500.1mm	15"	381mm	11/16"	17.46mm	3/4in Plywood
G	1	Router Base Plate	5"	127mm	5"	127mm	1/8"	3.175mm	Aluminum
H	1	Back	19 11/16"	500.1mm	12 7/16"	315.91mm	1/4"	6.35mm	3/4in Plywood
I	2	Large Drawer Side	7 3/8"	187.33mm	1 5/16"	33.34mm	11/16"	17.46mm	3/4in Plywood
J	1	Large Drawer Back	16 7/8"	428.63mm	1 5/16"	33.34mm	11/16"	17.46mm	3/4in Plywood
K	1	Large Drawer Front	18 1/4"	463.55mm	1 5/8"	41.3mm	11/16"	17.46mm	3/4in Plywood
L	1	Large Drawer Bottom	18 1/4"	463.55mm	8 1/8"	206.38mm	1/4"	6.35mm	3/4in Plywood
M	4	Small Drawers Bottom	10"	254mm	4 1/16"	103.19mm	1/4"	6.35mm	3/4in Plywood
N	4	Router Bit Storage Door	4 5/8"	117.48mm	3 3/8"	85.73mm	11/16"	17.46mm	3/4in Plywood
O	4	Small Drawer Bit Holder	9 5/16"	236.54mm	3 7/16"	87.31mm	11/16"	17.46mm	3/4in Plywood
P	1	Router Fence Front	19 11/16"	500.1mm	4"	101.6mm	11/16"	17.46mm	3/4in Plywood
Q	2	Router Fence Stop	4"	101.6mm	4"	101.6mm	1/2"	12.7mm	1/2in PVC Board
R	2	Fence Bottom	7 1/16"	179.39mm	2 1/4"	57.15mm	11/16"	17.46mm	3/4in Plywood
S	1	Dust Box Back	4 3/16"	106.36mm	3 5/16"	84.14mm	11/16"	17.46mm	3/4in Plywood
T	2	Dust Box Side	3 5/16"	84.14mm	2 1/4"	57.15mm	11/16"	17.46mm	3/4in Plywood
U	1	Dust Box Top	5 9/16"	141.29mm	2 1/4"	57.15mm	11/16"	17.46mm	3/4in Plywood
V	1	Safety Switch Side Panel (SIDE)	2 11/16"	68.27mm	2 1/4"	57.15mm	11/16"	17.46mm	3/4in Plywood
W	1	Safety Switch From Panel (FRONT)	1"	25.4mm	1"	25.4mm	11/16"	17.46mm	3/4in Plywood
X	2	Universal T-Track (TOP)	8 1/2"	215.9mm	3/4"	19.05mm	3/8"	9.52mm	Aluminum
Y	2	Universal T-Track((FENCE)	8 3/8"	212.75mm	3/4"	19.05mm	3/8"	9.52mm	Aluminum

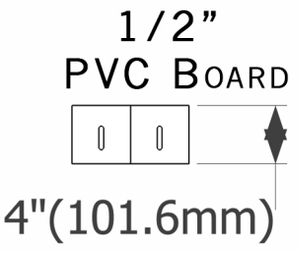
MATERIAL LIST

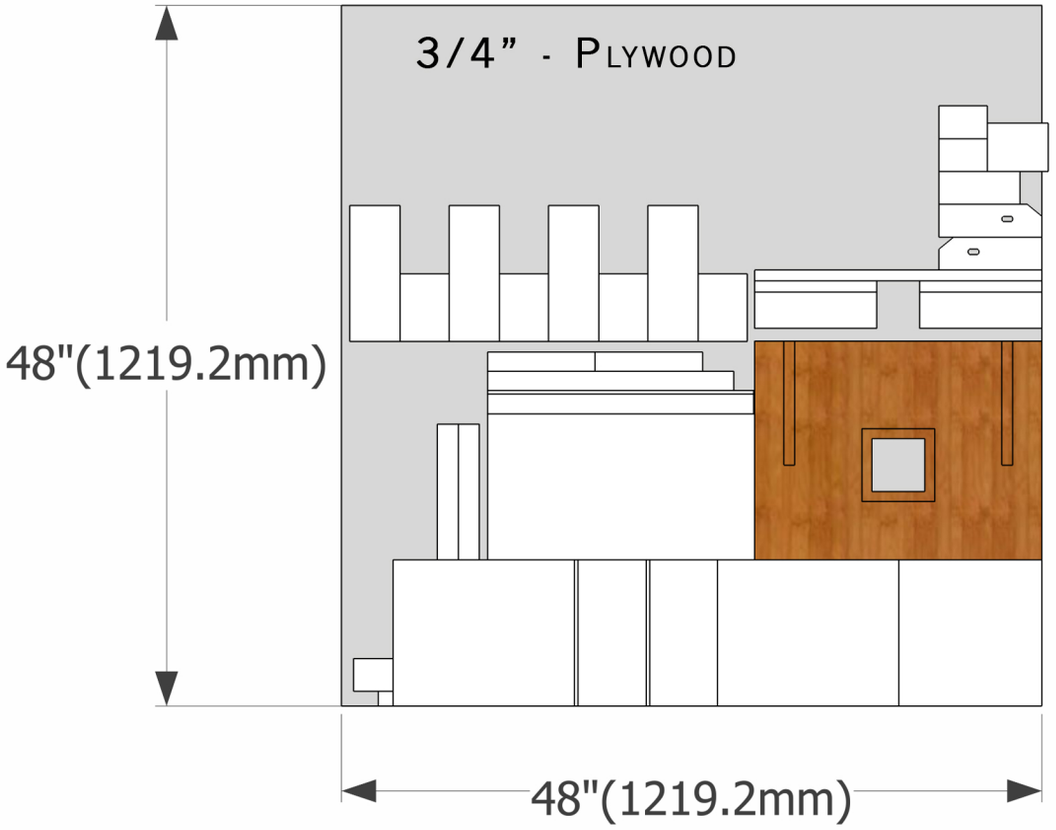
Quantity	Description	Quantity	Description
LUMBER		**ELECTRICAL**	
1	3/4in Plywood (48in by 48'')	1	Tool Safety Switch
1	1/4in Plywood (48in by 48'')	1	Outlet & Cover Plate
ROUTER PLATE		1	Junction Box
1	Aluminum (5in by 5in by 1/8in)	4	Spade Connector
4	1/2in Screw For The Router Plate	1	15amp Power Cord
T-TRACK		**OTHER**	
1	48in T-Track (5/16- Slot)	5	Pull Handles
4	1.5in T-Bolt (5/16)	11	5/8in Screw For The Back Panel
4	Knobs (5/16)	1	1/2in PVC Board Or Plywood (Optional
4	washers		Accessories) For The Stop and Aux Fence
8	3/8in Screw		

PLYWOOD LAYOUT

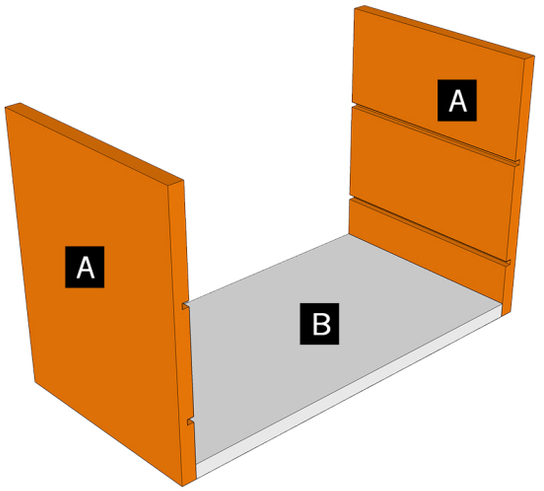




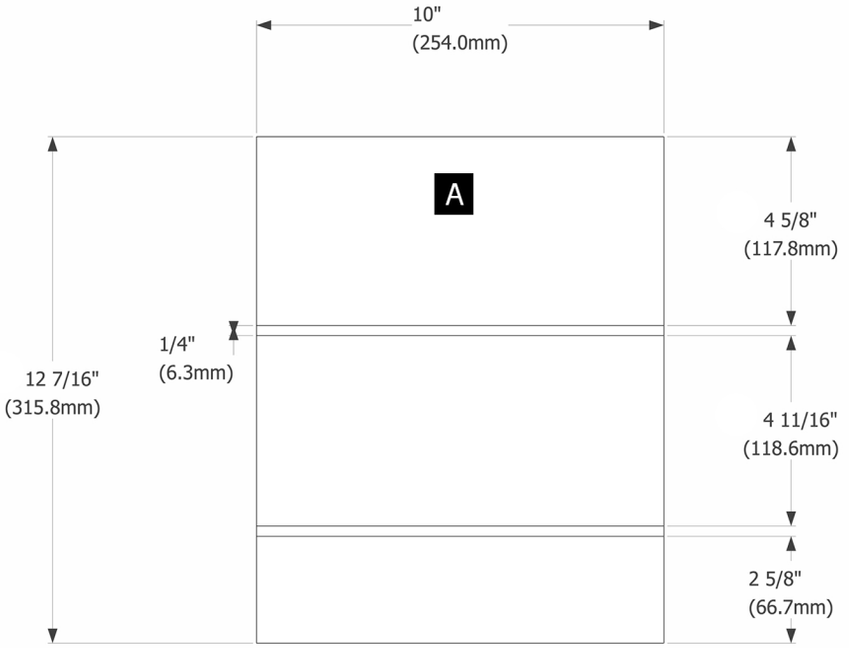




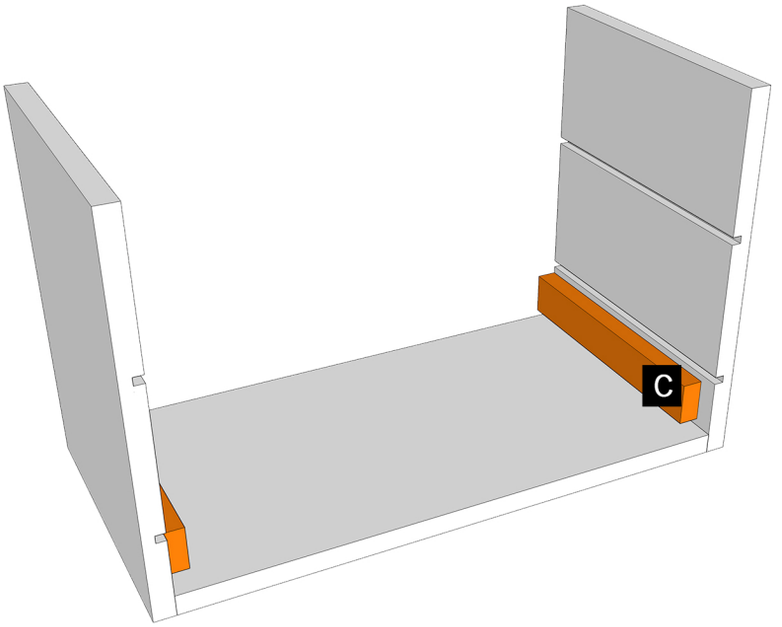
1 ASSEMBLE THE SIDE AND BOTTOM: Locate the two sides part (A) and the bottom part (B). Note: You must route out the profile prior to assembling. All joints will be glued and nailed.



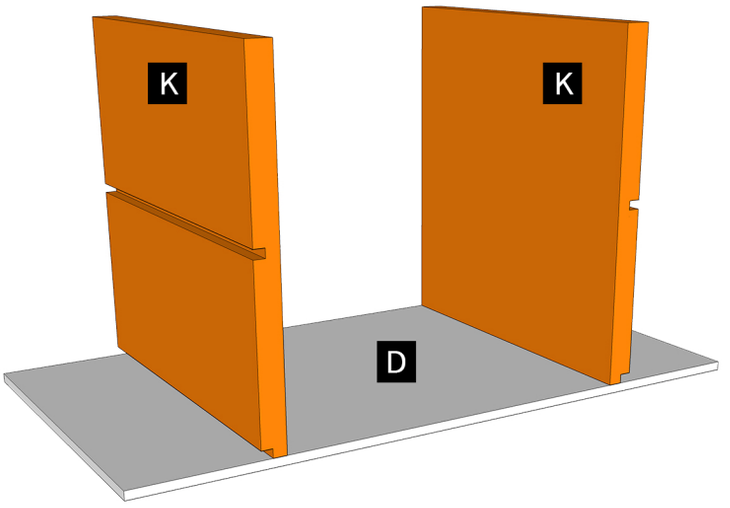
Cut profile for the sides: (PART A)



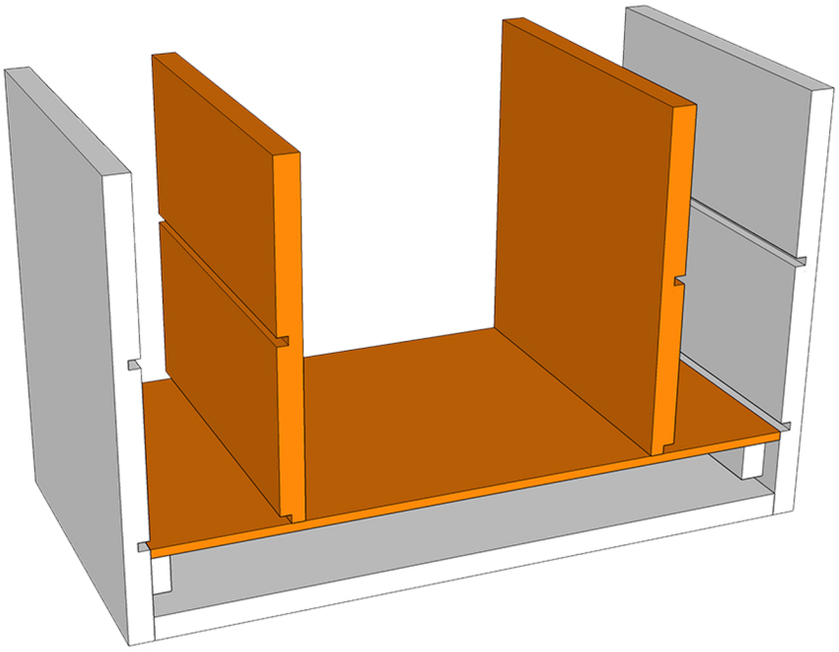
2 ADD THE SPACERS: Locate part (D) and part (C) now sit the drawer bottom down in the opening. Then take a sheet of paper fold it in half then place this on top of the drawer panel. Do this for both sides. Next, place part (C) on top of the drawer panel and the sheet of paper. Make sure part (C) is even with the back.



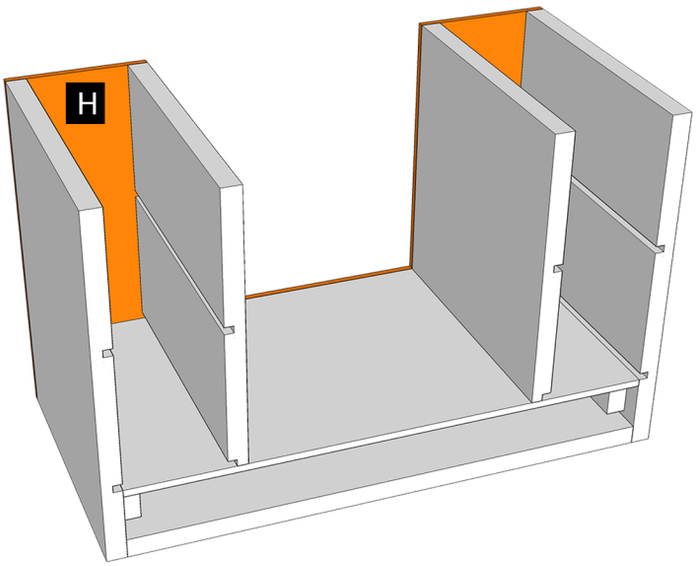
3 ASSEMBLE THE INNER DIVIDER: Locate part (K) and part (D) space them accordingly. It's important to assemble this section prior to installing it in the final location.



4 **INSTALL THE MIDDLE SECTION:** Now, take the middle section (constructed in the last step) place it on top of the spacers. Note: the 1/4" plywood should be even with the bottom of the dado slot. After lining this up secure it down.



5 **ADDING THE BACK:** Locate part (A). Then, install the back.



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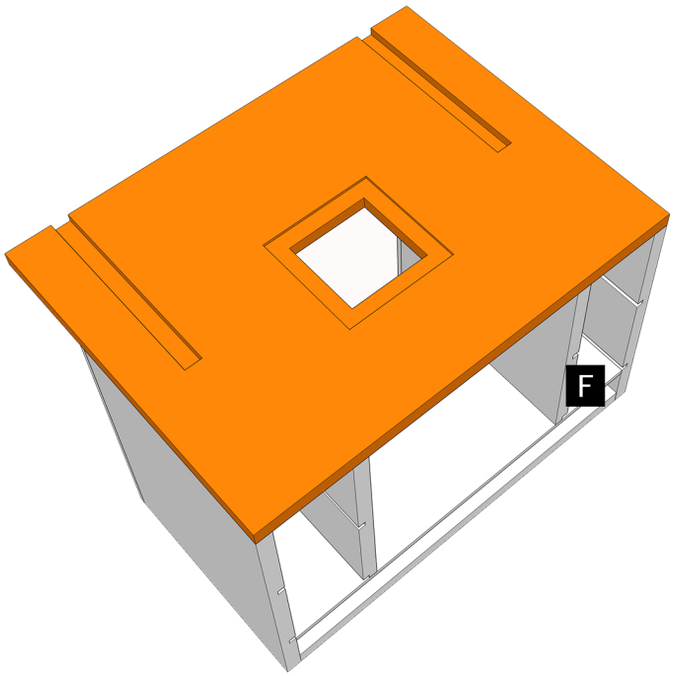
ADDING THE TOP: Locate the top part (F). First line up the top and the two outside panels (if the back is not already installed) then address the inner panels. Glue and clamp these parts together then allow enough time for the glue to set up. Tip: dry fitting these part would be best to ensure the Parts works well.

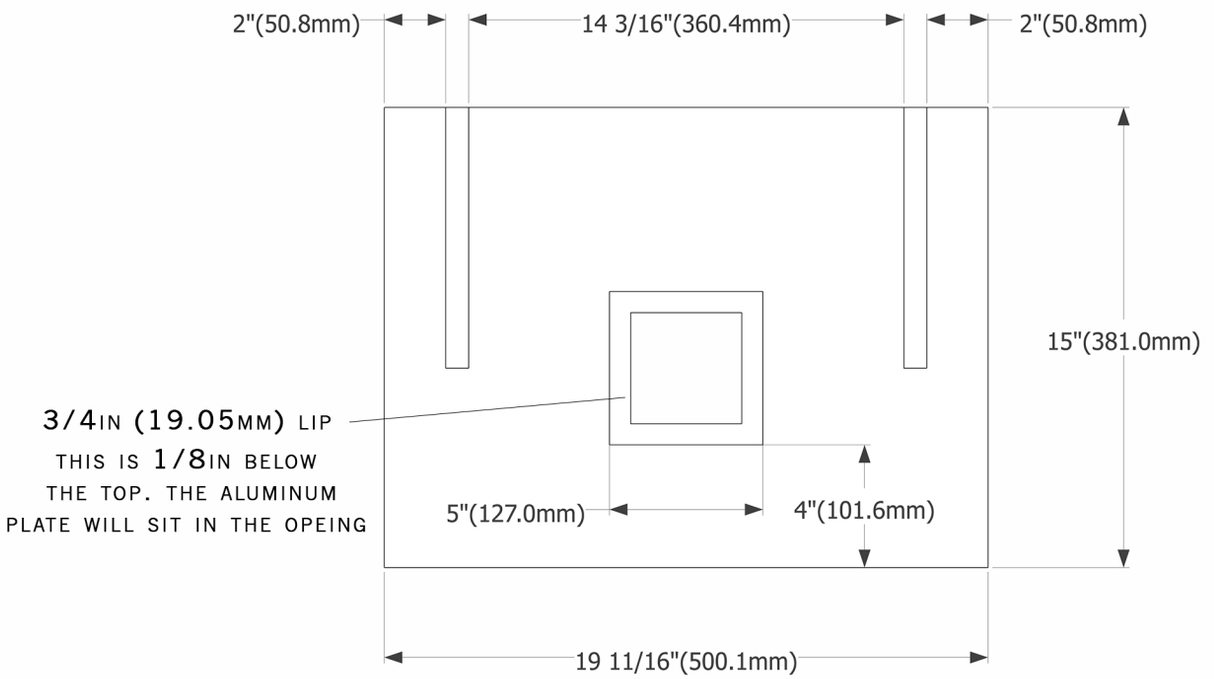


Note: Depending on you router, the plate setup may be slightly larger but it will still work. After lining up the plate, drill 4 small holes in each corners to hold the plate down. The head of the screws should be below the surface of the plate, use a counter sink bit for this.

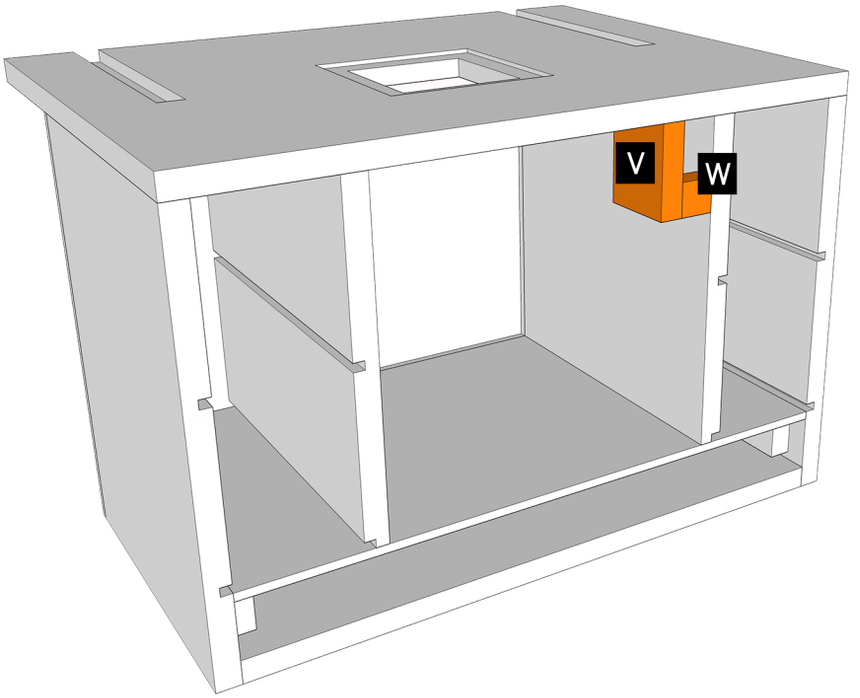
Next, drill the holes for your router base and lager hole for the router bit to pass. For the router bit hole, transfer the hole from your router base. Depending on the screws your router base has you may need to pick up new ones.

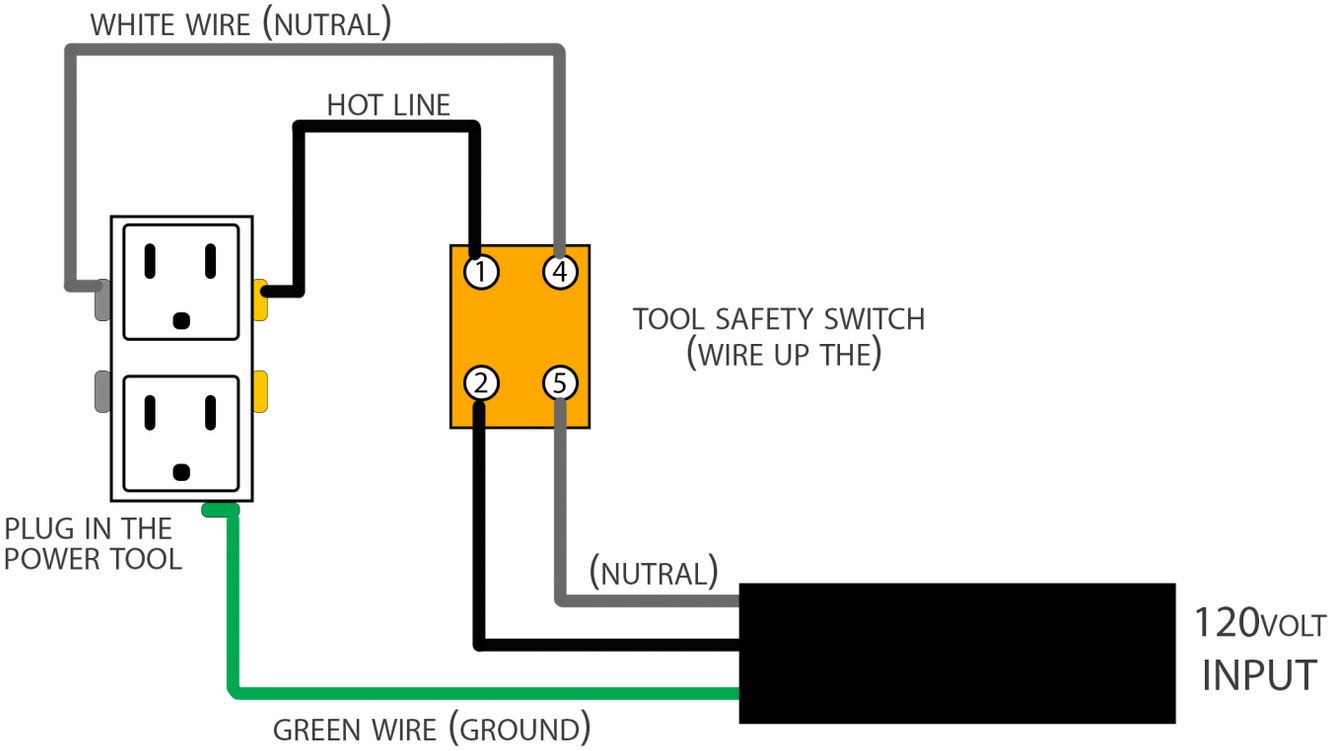
The router plate give you the maximum depth for your bit. You can drill a hole and mount your router to the plywood without the plate if you chose.

Cut profile for the top:

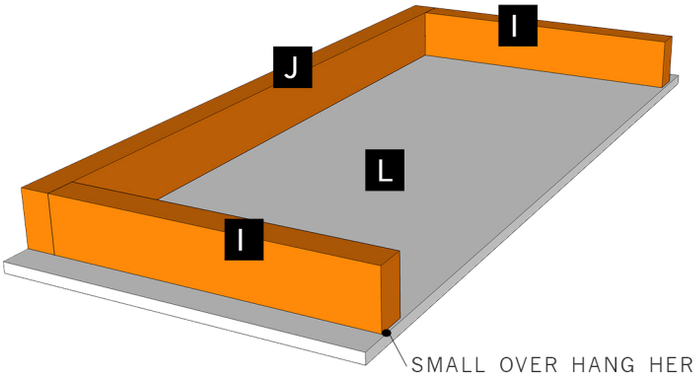


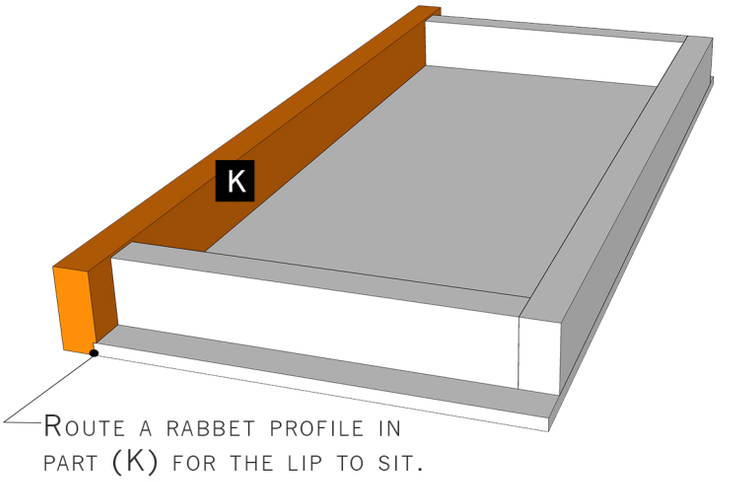
7 ADDING THE FRAME FOR SWITCH: Locate both part (V) and part (W) these will be used to build the frame for the small safety switch. Join the two together and secure them in the (top right) of the middle section. Next, wire up the safety switch. Note: this hookup is only for U.S. circuits see hook up diagram below. Once the safety switch is wired up you can then install the junction box and strap the power cable down.



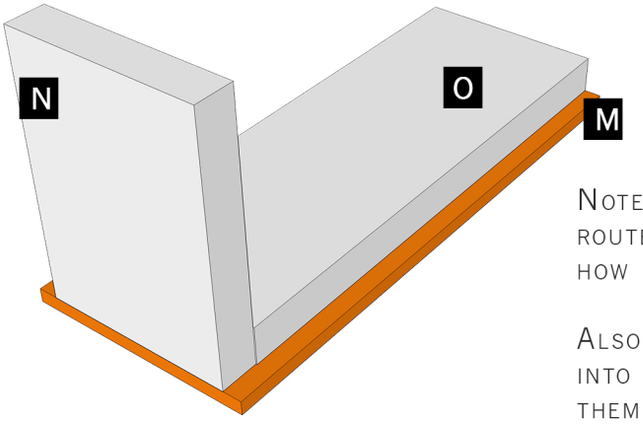


8 BUILDING THE LARGE DRAWERS: Locate the following parts (I), (J) and (L). First create the frame for the drawer using both (I) and (J). Then, glue and attach this to part (L).Next, locate part (K) then route out a small rabbet for the bottom to sit.





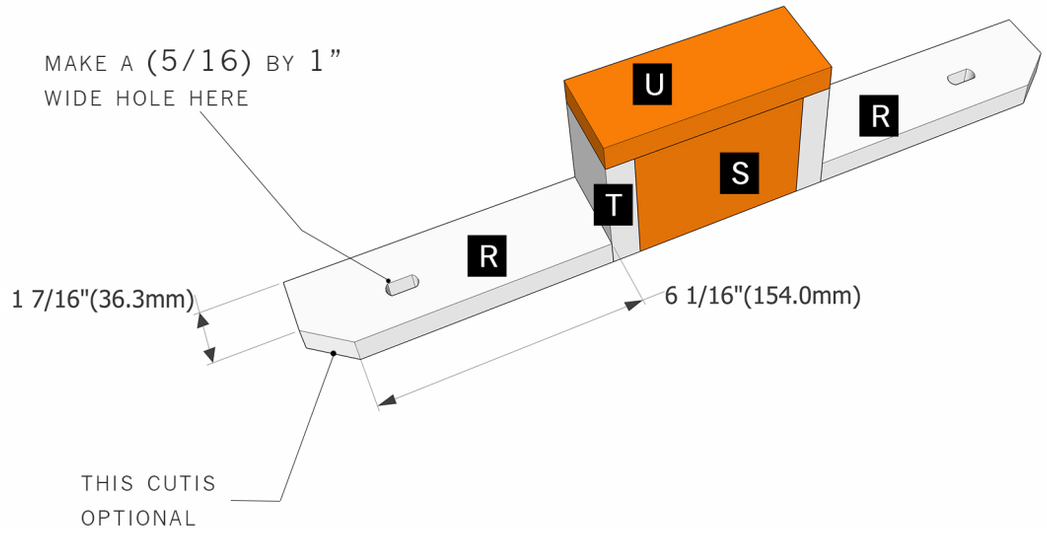
9 BUILDING THE SMALL DRAWERS: Locate parts (M), (N), and (O). It's best to build these one at a time for each opening. This should help in the occasion something is out of alignment.



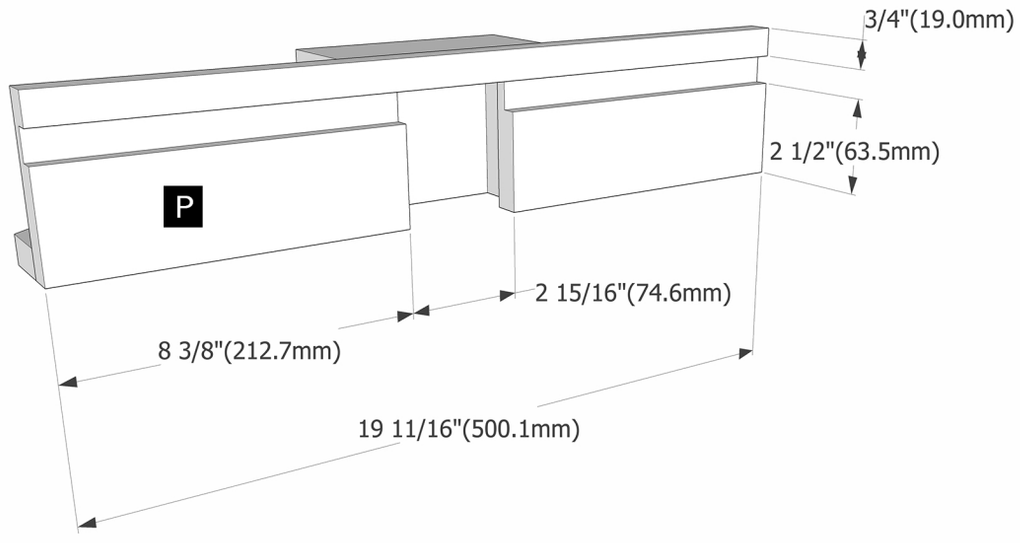
Note: drill the holes for your router bits. These can be laid out how ever you like.

Also, if you want to turn these into drawers thats possible. Build them the same way, but shrink part (O) on three sides by a 1/4in. Next, wrap part (O) with 1/4in plywood. Keep this 1/2in below the top of part (N).

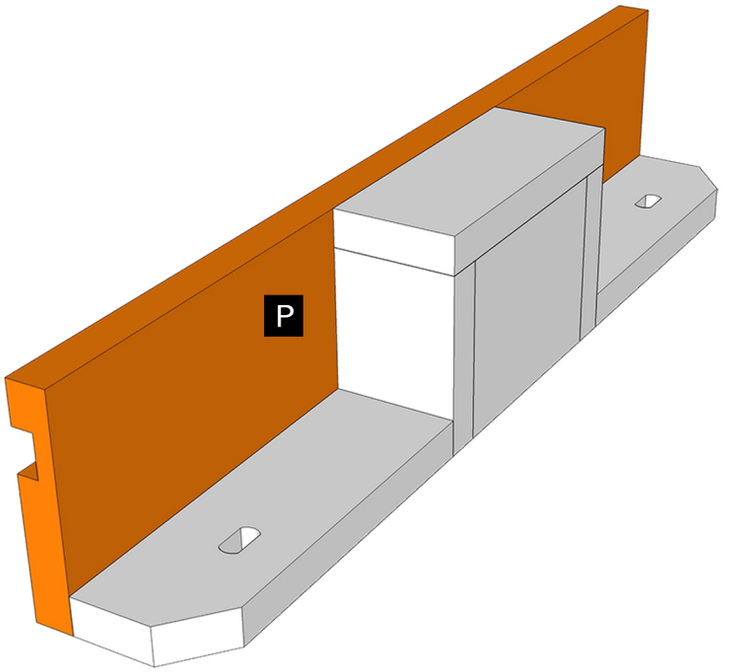
10 **BUILDING THE ROUTER FENCE:** Locate part (R), (S), (T), and (U). Assemble the following parts as shown. This will also be a good time to drill a hole for the dust port. Next, cut out a long hole, this should line up with the t-track.



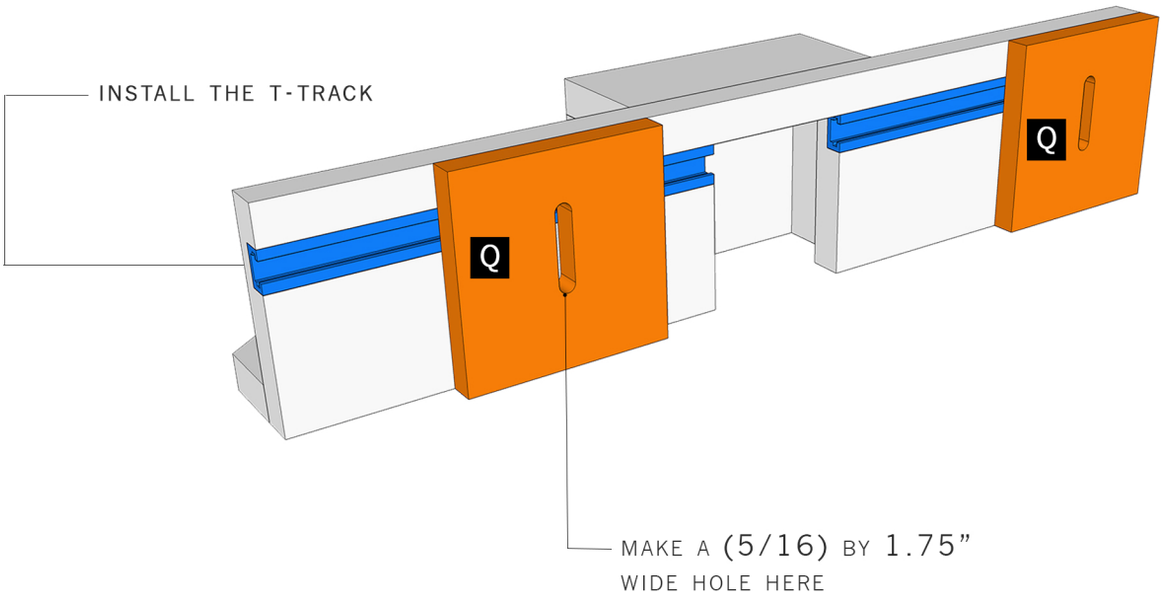
11 **BUILDING THE ROUTER FENCE:** Locate part (P), here are the cut profiles for the fence.



12 BUILDING THE ROUTER FENCE: After cutting and routing part (P) attach it to the pre-assembled back.



13 BUILDING THE ROUTER FENCE STOP: Install the t-tracks. Next, make the stops. The stops are just one piece or accessory you can make. To route smaller piece, you can create a zero-clearance fence that will attach to the existing fence.



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FINISHING!!! Finishing is all up to whatever flavor you choose.

The finishing process for this table is:

1. sand with 120 grit
2. wipe on danish oil and white paint.
3. install drawer pulls
4 wipe down the draws with paste wax