

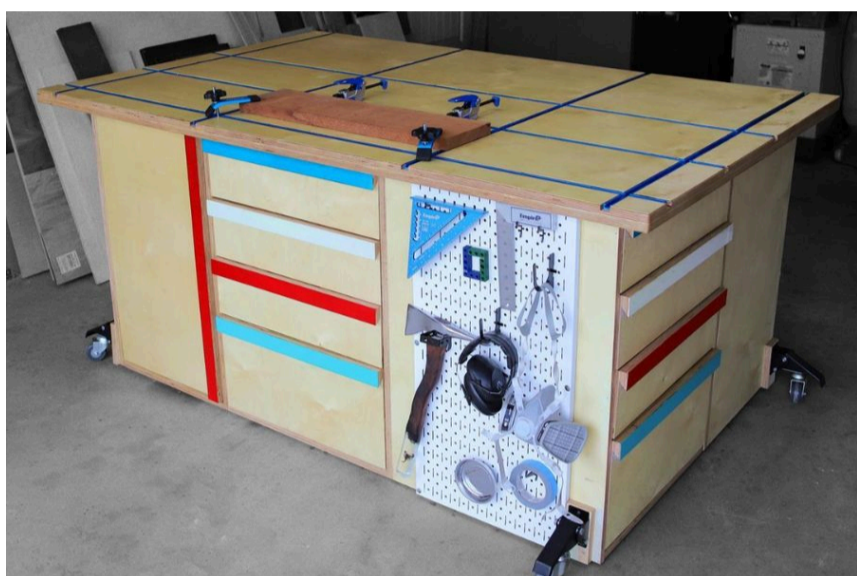
Workbench Assembly Table w/ LOTS of Storage

By **Jonny Builds**

Difficulty

Advanced

This workbench is an assembly/outfeed table with t-track, & loads of storage. I needed a workbench to help me get more organized in the shop, but w/ key features that make it the ideal workbench for anyone. Watch the full video on Jonny Builds YouTube: https://youtu.be/mxTMeh_5Fjl



Tools

Kreg Tools



Accu-Cut™



Wood Project Clamp - 6"



Kreg® Pocket-Hole Jig 720



Drawer Slide Jig



Concealed Hinge Jig



Shelf Pin Jig with 1/4" Bit

Other Tools

Circular Saw (cordless)

Miter Saw

Square

Table Saw

Tape Measure

Drill (cordless)

Router

Sander

Air Compressor

Materials

Wood Products

6 Plywood , 3/4" Thick , Full Sheet

1 Plywood , 1/2" Thick , Full Sheet

1 Plywood , 1/4" Thick , Full Sheet

Hardware & Supplies

100 1 1/4" Pocket Screws

50 1" Pocket Screws

Cut List & Parts

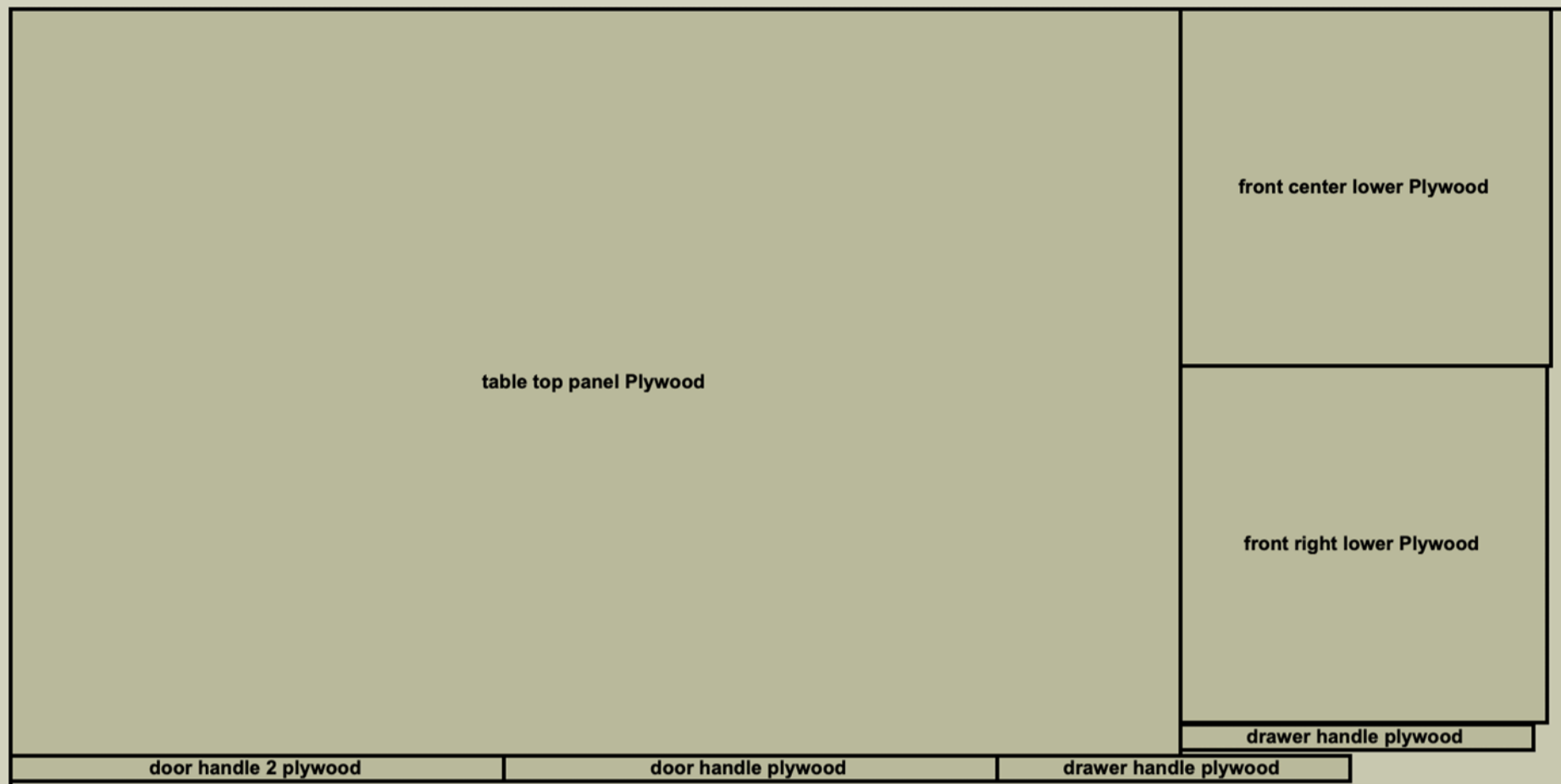
6 3/4" Baltic Birch Plywood , 4x8 Sheet

1 1/2" Baltic Birch Plywood , 4x8 Sheet

1 1/4" Baltic Birch Plywood , 5x5 Sheet

Part#	Quantity	Description	Length(L)	Width(W)	Thickness(T)	Square Foot (per)	Square Foot (total)	Total Length (Feet)
S-001	1	center divider Plywood	64"	32 1/8"	3/4"	14.28	14.28	5.33
S-002	1	door handle 2 plywood	30 3/8"	1 1/2"	3/4"	0.32	0.32	2.53
S-003	1	door handle plywood	30 3/8"	1 1/2"	3/4"	0.32	0.32	2.53
S-004	8	drawer bottom Plywood	21"	17 1/2"	1/4"	2.55	20.4	14.0
S-005	16	drawer front/back Plywood	21"	5 1/2"	1/2"	0.8	12.8	28.0
S-006	8	drawer handle plywood	21 3/4"	1 1/2"	3/4"	0.23	1.84	14.48
S-007	16	drawer side Plywood	16 1/2"	5 1/2"	1/2"	0.63	10.08	22.08
S-008	1	front cabinet door Plywood	30 3/8"	17"	3/4"	3.59	3.59	2.53
S-009	1	front center lower Plywood	22 3/4"	22"	3/4"	3.48	3.48	1.9
S-010	3	front dividers Plywood	32 1/8"	22 3/4"	3/4"	5.08	15.24	8.04
S-011	1	front left lower Plywood	22 3/4"	17 1/4"	3/4"	2.73	2.73	1.9
S-012	1	front right lower Plywood	22 1/2"	22"	3/4"	3.44	3.44	1.88
S-013	1	front right panel Plywood	32 1/8"	22 1/2"	3/4"	5.02	5.02	2.68
S-014	2	large lower drawer face Plywood	21 3/4"	10 7/8"	3/4"	1.64	3.28	3.62
S-015	2	left front cabinet upper supports Plywood	17 1/4"	3"	3/4"	0.36	0.72	2.88
S-016	1	read door Plywood	30 3/8"	19 1/2"	3/4"	4.11	4.11	2.53
S-017	1	rear center lower Plywood	19 3/4"	18 1/2"	3/4"	2.54	2.54	1.65
S-018	2	rear center upper supports Plywood	19 3/4"	3"	3/4"	0.41	0.82	3.3
S-019	3	rear dividers Plywood	32 1/8"	18 1/2"	3/4"	4.13	12.39	8.04
S-020	1	rear left lower Plywood	18 1/2"	10"	3/4"	1.28	1.28	1.54
S-021	4	rear right opening supports upper/lower Plywood	17 51/64"	3"	3/4"	0.37	1.48	5.92
S-022	1	rear right outer panel Plywood	32 1/8"	32"	~ 3/4"	7.14	7.14	2.68
S-023	6	smaller drawer face Plywood	21 3/4"	6 3/8"	3/4"	0.96	5.76	10.86
S-024	1	table top panel Plywood	72"	46"	3/4"	23.0	23.0	6.0
S-025	1	table top panels Plywood	72"	46"	3/4"	23.0	23.0	6.0
S-026	1	vert drawer door Plywood	30 3/8"	9 3/4"	3/4"	2.06	2.06	2.53
S-027	2	vert drawer upper supports Plywood	10"	3"	3/4"	0.21	0.42	1.66

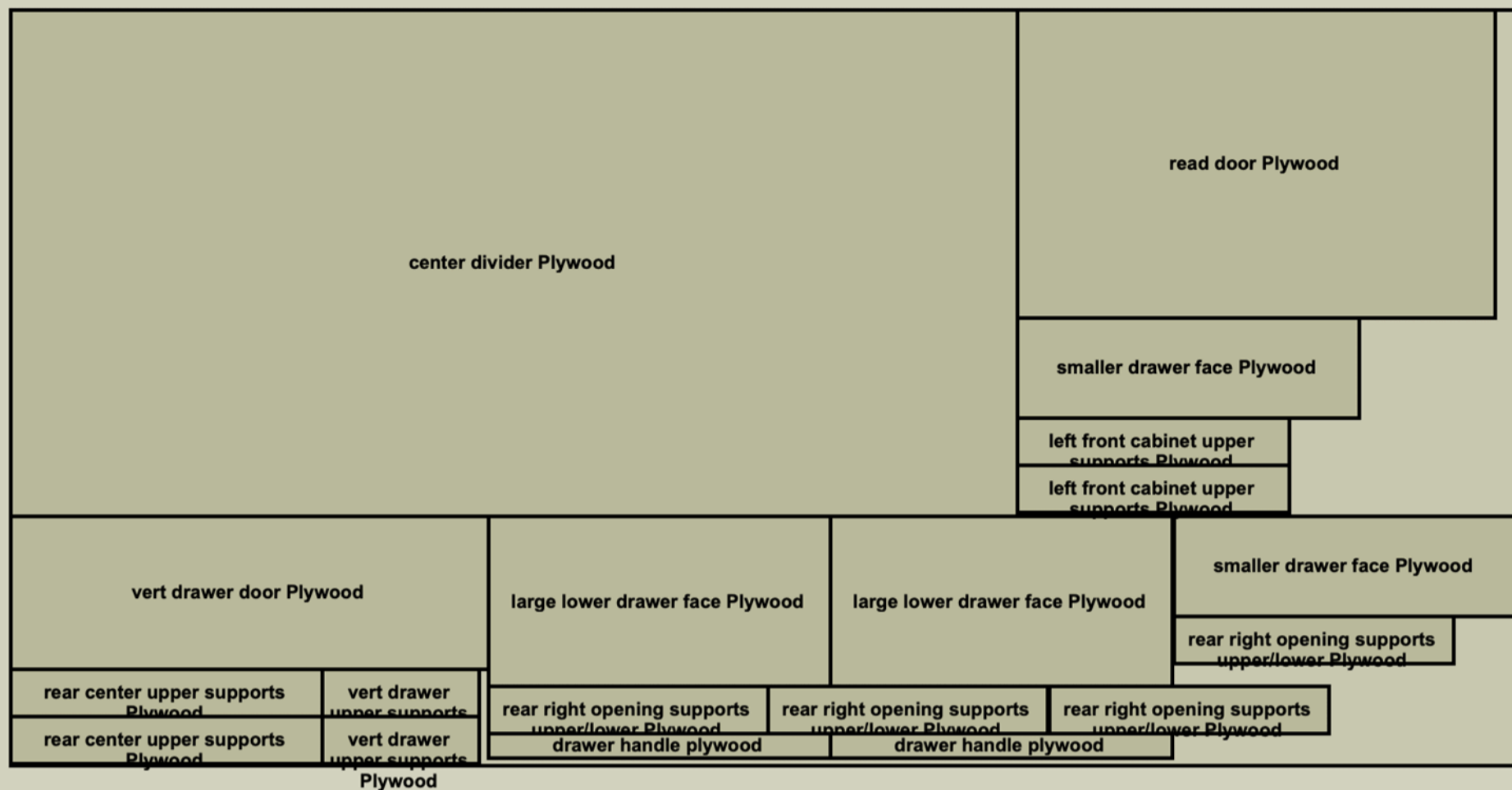
48" x 96", 3/4" generic 24.0 bd.ft. (96.96%)



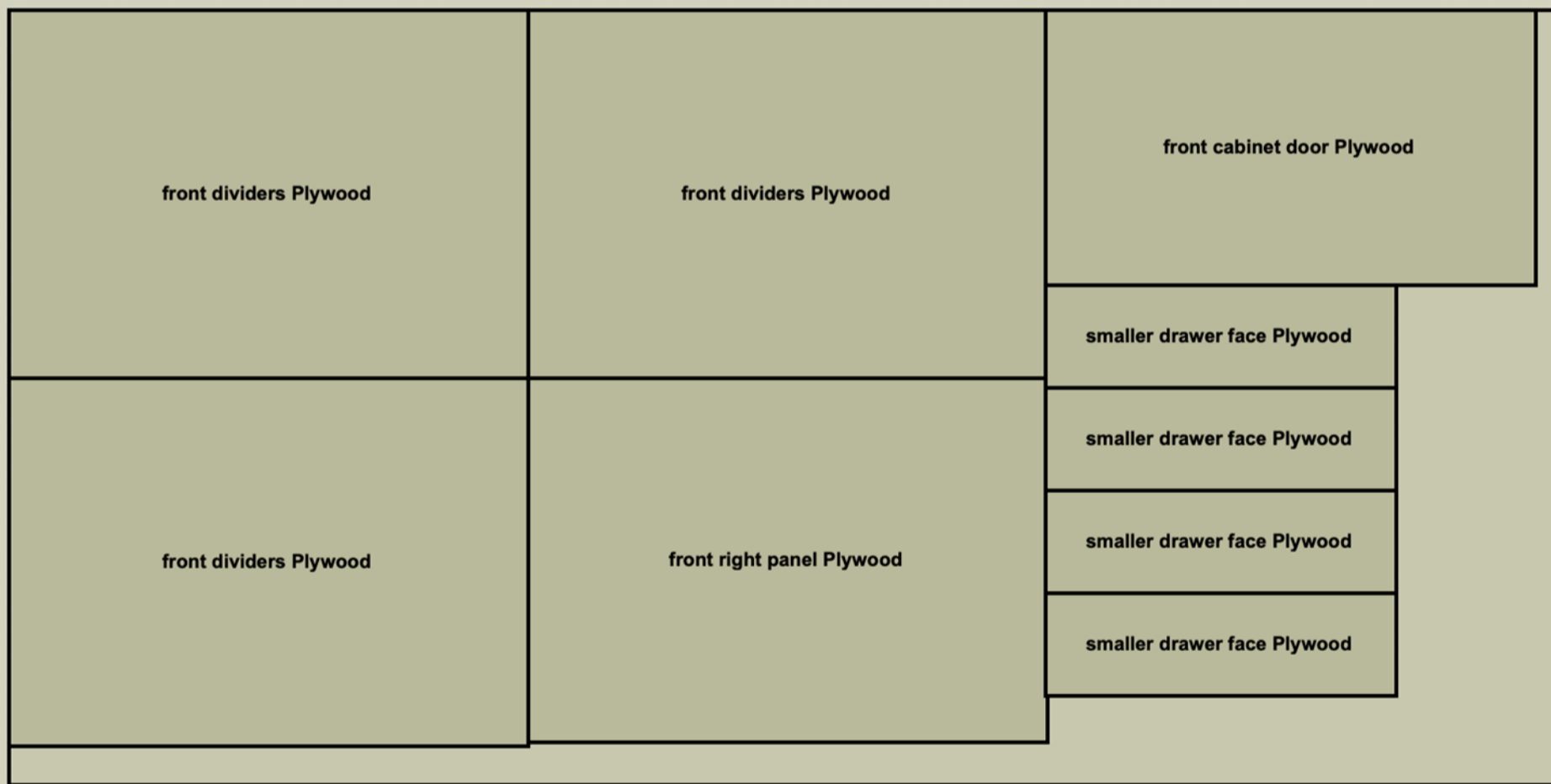
48" x 96", 3/4" generic 24.0 bd.ft. (95.24%)



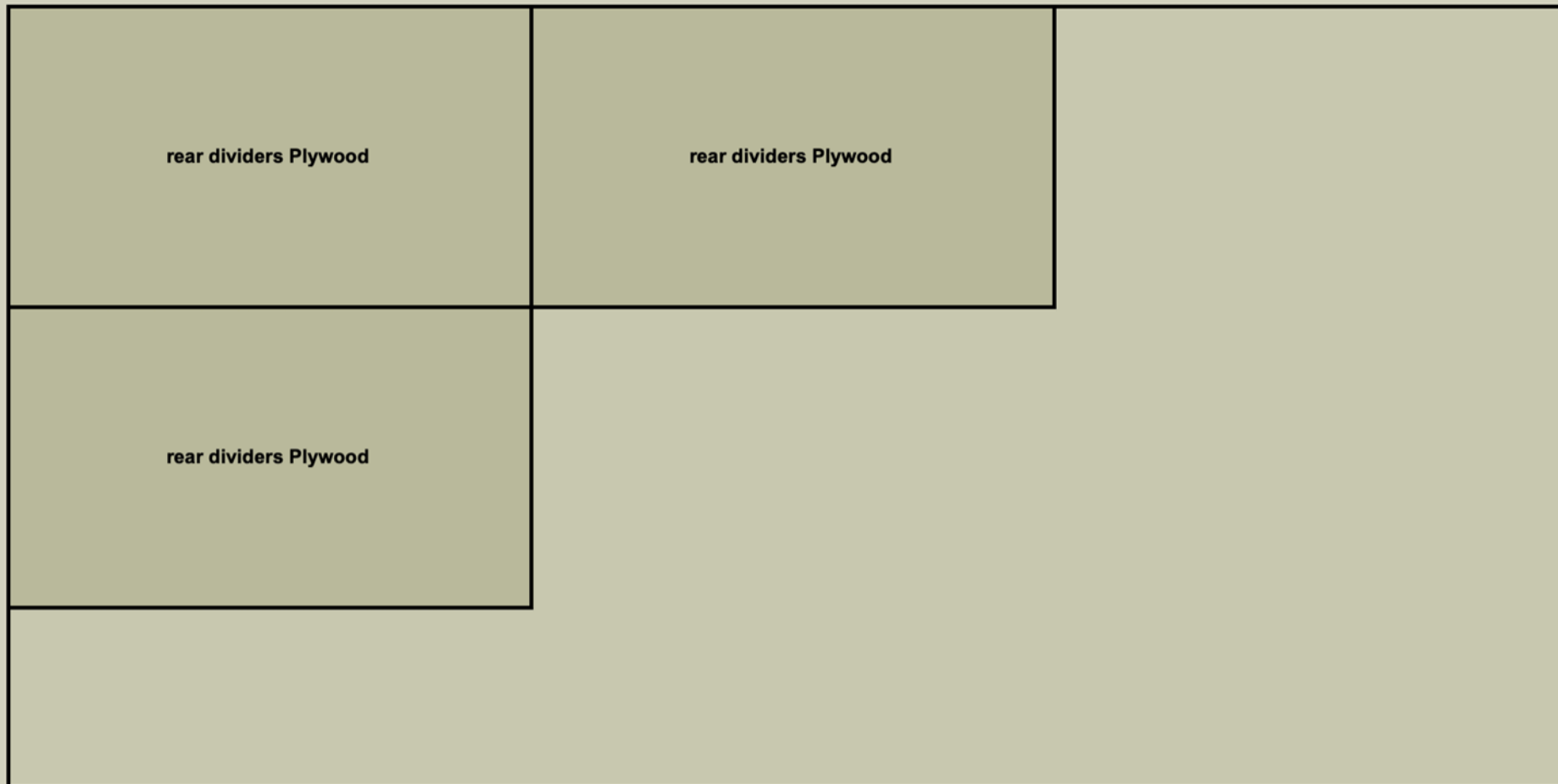
48" x 96", 3/4" generic 24.0 bd.ft. (92.44%)



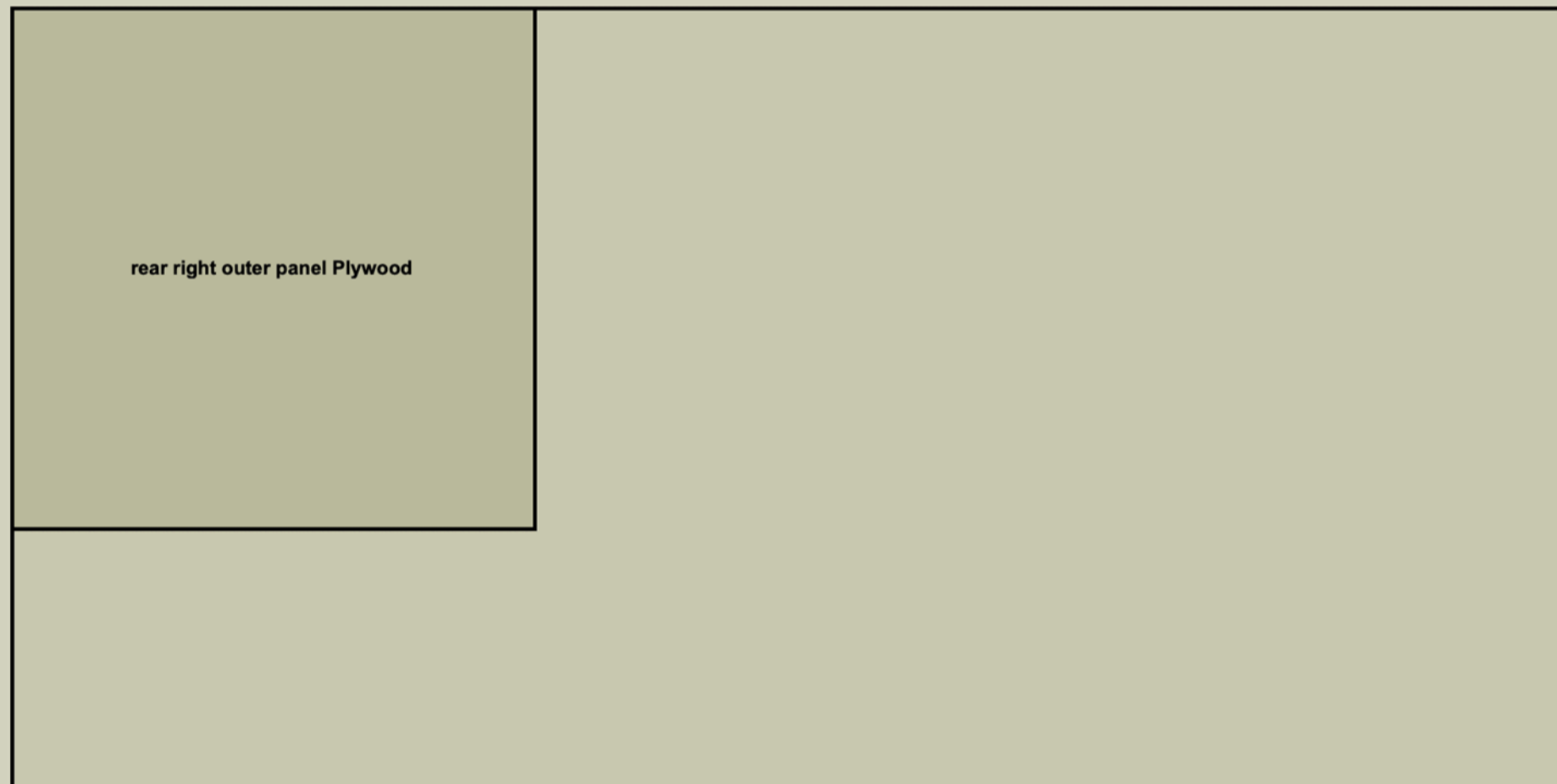
48" x 96", 3/4" generic 24.0 bd.ft. (86.7%)



48" x 96", 3/4" generic 24.0 bd.ft. (38.69%)



48" x 96", ~ 3/4" generic 24.1 bd.ft. (22.36%)



48" x 96", 1/2" generic 16.0 bd.ft. (71.99%)

drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood
drawer front/back Plywood	drawer front/back Plywood	drawer side Plywood	drawer side Plywood

48" x 96", 1/4" generic 8.0 bd.ft. (63.88%)

drawer bottom Plywood	drawer bottom Plywood	drawer bottom Plywood	drawer bottom Plywood
drawer bottom Plywood	drawer bottom Plywood	drawer bottom Plywood	drawer bottom Plywood

Directions

1

Cut Panels to Size

Begin by cutting down all the panels for the lower workbench cabinet to size making sure to label the parts as you go. Refer to the cut list for detailed dimensions.



2

Assemble Table Top

Cut a sheet of plywood to 72"x46". Cut the second sheet to 1/4" larger in length and width than the first. Apply liberal amounts of wood glue to the smaller panel, and spread evenly making sure you get all the way to the edges. Place the larger panel on top of the first so that it overhangs about 1/8" in all directions. Apply weight to the top and clamps to the edges to ensure there are no gaps. Flush trim the overhanging panel to the shorter panel with a router and flush trim bit. This ensures perfectly even panels.



3

Add Pocket Holes to Cabinet Panels

Starting with the front sections of the cabinet lay out the partitions and bottom floor panels as they will be arranged on the long center panel. Mark out locations for pocket holes on the underside of the bottom panels and the sides of the partitions where they connect to the center panel. Drill out these pocket holes.



4

Cabinet Carcass Assembly

Making sure to check for square often begin assembling the cabinet by driving in pocket screws to attach the front side of the cabinet to the center panel working from the left side to the right. I found assembling the cabinet on its side to be the easiest and most accurate. Once you complete the front side flip the cabinet over and attach all the panels for the back side of the workbench.



5**Build Drawers**

There are two identical drawer cabinets on this workbench. One in the front, and one on the side. Each contains 4 drawers, and each drawer is 5 3/4" tall. The lower drawer is spaced farther apart to allow larger items. Rip 1/2" plywood into 5 1/2" strips. Next you need 16 pieces cut to 18 inches, and 16 pieces cut to 17 inches long. Add two pocket holes to each end of the 18 inch long boards. Assemble the drawers with 1 inch pocket screws. Cut 1/4" plywood to fit as the drawer bottoms, and attach with screws making sure to predrill and countersink these holes. Right angle clamps are great for keeping everything square as you assemble.



6**Install Drawers**

I used 18 inch drawer slides. These were 17.5 inches, so they were a 1/2" longer than my drawers which worked out great. When installing the drawers note these drawers are recessed 3/4" into the cabinet to allow room for the drawer face that sits flush. Starting from the top measure down 3/4 inch plus half the thickness of the drawers; 2 7/8" This is the centerline of the drawer slide. Install the drawer slides but cutting a scrap piece of plywood to size and resting the slide on top. Attach with screws, and repeat for the other side. Now cut 6 1/2" off of the plywood you used to space the drawer slide and continue to the last drawer which you space 3/4 inch off the bottom. Install the slides onto the centerline of the drawer sides.



7**Cut & Attach Drawer Faces**

Cut a panel that would fit into the drawer box opening, and then working from the top down cut each drawer face so it sits level with the bottom of the drawer and has a 1/8" gap on the sides and top. Attach drawer faces with two screws from the inside. cut and attach the remaining drawer faces paying attention to the grain of the plywood panel you originally cut. Repeat for each set of drawers.



8**Cabinet Door Installation**

There is a cabinet of the front left and rear center of the workbench that has an inset door with inset euro style soft close hinges. Cut your door to fit with a 1/8" reveal around all sides. Set your hinge spacing. I spaced mine 19 inches apart, and then marked a line on the door, and inside of the cabinet. Using the Kreg Hinge Jig drill holes for the hinges on the door along the lines you marked. Attach the other part of the hinge inside the cabinet with proper spacing for your hinge, and centered on the lines you marked. Now snap the door in place and use the adjustment screws on the hinges to tune the fit. I used a scrap block screwed inside the cabinet as a door stop. Add a shelf with the Kreg Shelf Pin Jig. Repeat for other side.



9**Vertical Drawer**

Using a Kreg Drawer Slide Jig attach two drawer slides to the left side vertical cabinet on the back left. Space these slides about 14 inches apart and cut a vertical drawer panel to fit inside this cabinet. I made mine about 2 inches shorter than the cabinet which gave me plenty of wiggle room. Mark out the location to attach the drawer slides to the vertical drawer at the same distance you installed the main portion of the slides. 14 inches on mine. Now cut a door that gives a 1/8" reveal on all sides to fit in this portion of the cabinet. Drill pocket holes onto the vertical drawer and attach to the drawer face. Slide vertical drawer into the cabinet. I added storage for hanging saw blades and saw accessories.



10**Drawer Pulls/Door Handles**

To make drawer pulls rip some scrap 3/4" plywood to 1 1/2 inch strips. Next cut a 45 degree bevel along one edge. Cut these to fit along the top of each drawer and door, and attach with screws from the back. I painted my door handles to add some color to this project.



11**Cut Grooves for T-Track**

Cut 3 grooves along the width starting at 3 inches from the front and spacing them every 11 inches apart going towards the back. Use a router with a 3/4 inch straight bit and cut the 1/2" deep grooves in 2 to 3 passes. Next cut in 4 groves that run across the width. The outside grooves are cut in 3 inches from the edges, and the middle grooves are spaced 21 inches in from there.



12

Apply Finish

Apply the finish of your choice. I used a marine grade spar urethane made by Total Boat because I wanted an extra durable finish. I applied 4 coats.



13

Install T-Track & Casters

Install T-Track into the grooves you cut. Attach 4 workbench casters. I used the kind that can raise the workbench when needed, but otherwise sit flat on the ground.

