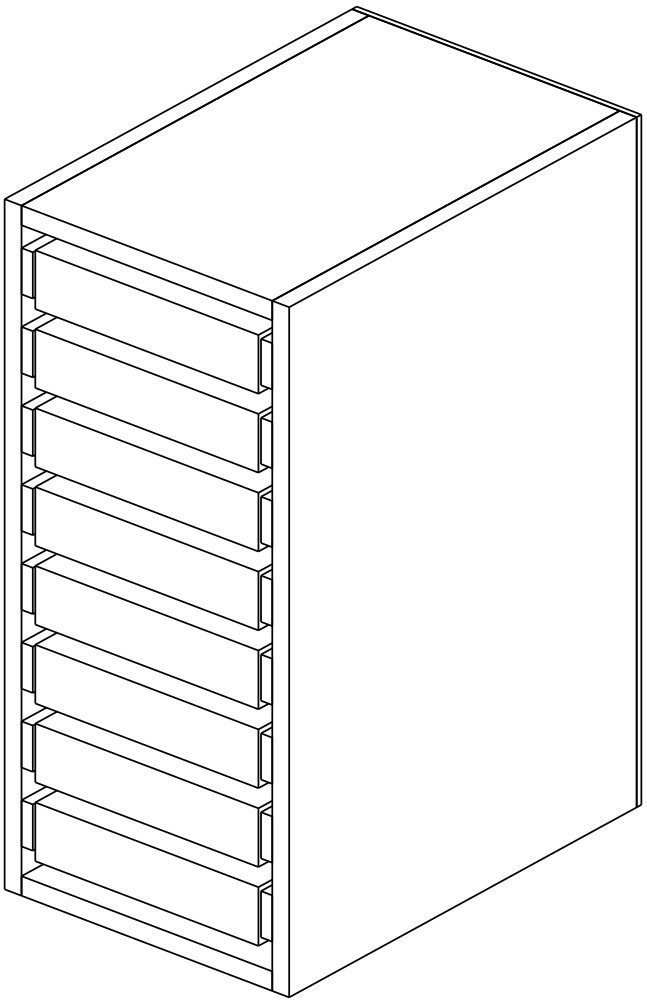
Overview, materials and tools



A 3/4 in plywood cabinet with 8 pull-out drawers. Each drawer is a 48-22-8436 organizer riding on a pair of 18 in side-mount slides with two Drawer Cradles.

Outside size (8 drawers)	12 5/8 in W × 18 3/4 in D × 26 7/16 in H
Inside width	11 1/8 in
Full-size organizers	21 3/8 in inside, 22 7/8 in outside (page 6)
Other sizes	6 drawers: 20 3/8 in tall 8 drawers: 26 7/16 in tall 10 drawers: 32 1/2 in tall 12 drawers: 38 1/2 in tall

Materials (8 drawers)

- 1 sheet 3/4 in plywood, 4 × 8 ft
- 1 panel 1/4 in plywood, 2 × 4 ft
- 16 × #8 x 1 1/4 in flat-head wood screw, pre-drilled and countersunk from the side's outer face
- 18 × 3/4 in brad, through the back into the panel edges
- Wood glue
- 8 pairs of 18 in full-extension side-mount slides, with their screws
- 16 Drawer Cradles (free print files at www.modmypack.com), with their M5 inserts and screws

Tools

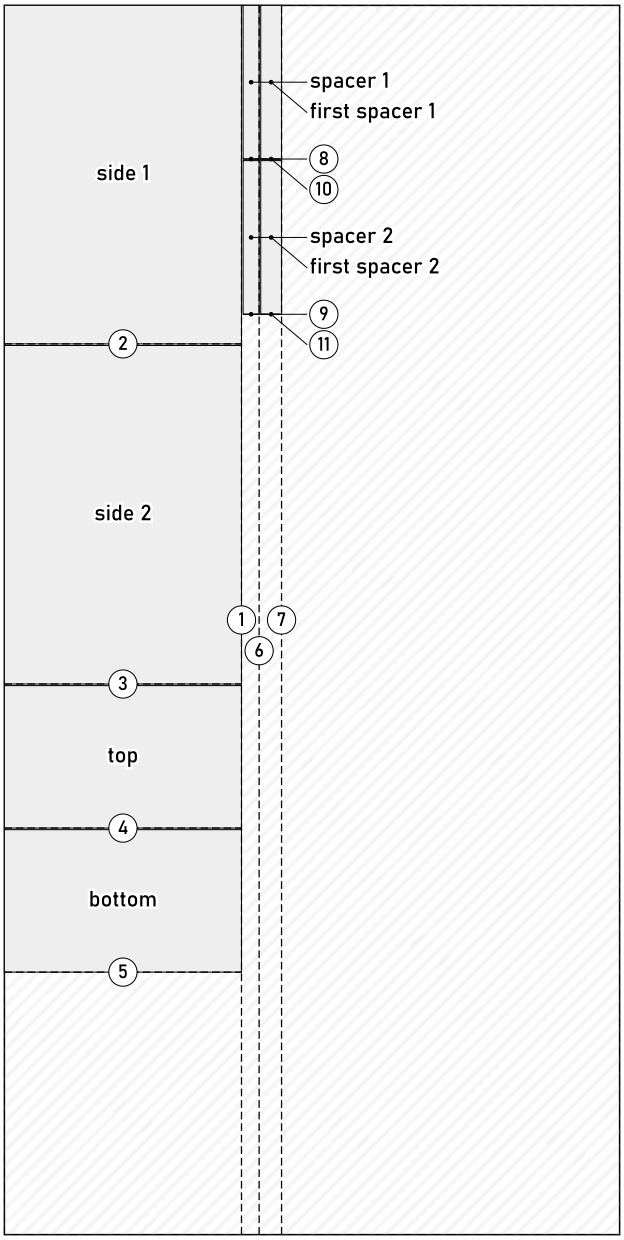
- Circular saw and a straightedge guide
- Drill/driver, a countersink bit, a square and clamps
- Tape measure and pencil

Plywood sold as 3/4 in is often a little thinner: trim the back flush after assembly.

Not affiliated with, sponsored by, or endorsed by Milwaukee Tool. Milwaukee® and PACKOUT™ are trademarks of Milwaukee Electric Tool Corporation.

Cut list and sheet layout

Part	Qty	Material	Length (along the grain)	Width
Side	2	3/4 in plywood	26 7/16 in (672 mm)	18 1/2 in (470 mm)
Top	1	3/4 in plywood	11 1/8 in (283 mm)	18 1/2 in (470 mm)
Bottom	1	3/4 in plywood	11 1/8 in (283 mm)	18 1/2 in (470 mm)
Back	1	1/4 in plywood	26 7/16 in (672 mm)	12 5/8 in (321 mm)
Spacer strip	2	3/4 in plywood	12 in (305 mm)	1 1/4 in (32 mm)
First spacer	2	3/4 in plywood	12 in (305 mm)	1 5/8 in (41 mm)

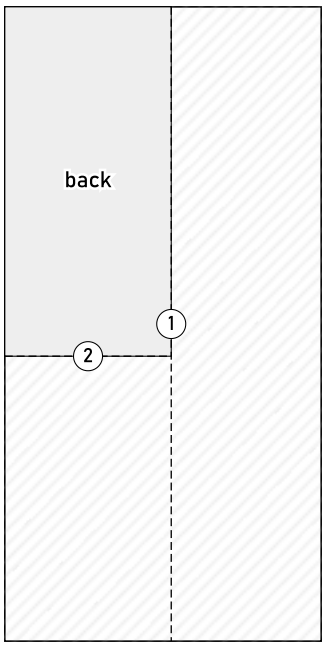


3/4 in plywood, 48 × 96 in

Cut order

1. Rip the sheet at 18 1/2 in: strip 1 and the offcut from cut 1
2. Crosscut strip 1 at 26 7/16 in: side 1 and the offcut from cut 2
3. Crosscut the offcut from cut 2 at 26 7/16 in: side 2 and the offcut from cut 3
4. Crosscut the offcut from cut 3 at 11 1/8 in: top and the offcut from cut 4
5. Crosscut the offcut from cut 4 at 11 1/8 in: bottom and the offcut from cut 5
6. Rip the offcut from cut 1 at 1 1/4 in: spacer strip and the offcut from cut 6
7. Rip the offcut from cut 6 at 1 5/8 in: first spacer strip and the offcut from cut 7
8. Crosscut spacer strip at 12 in: spacer 1 and the offcut from cut 8
9. Crosscut the offcut from cut 8 at 12 in: spacer 2 and the offcut from cut 9
10. Crosscut first spacer strip at 12 in: first spacer 1 and the offcut from cut 10
11. Crosscut the offcut from cut 10 at 12 in: first spacer 2 and the offcut from cut 11

Measure each cut from the edge of the piece being cut. Sizes are finished sizes: cut on the waste side of the line. Hatched areas are spare.

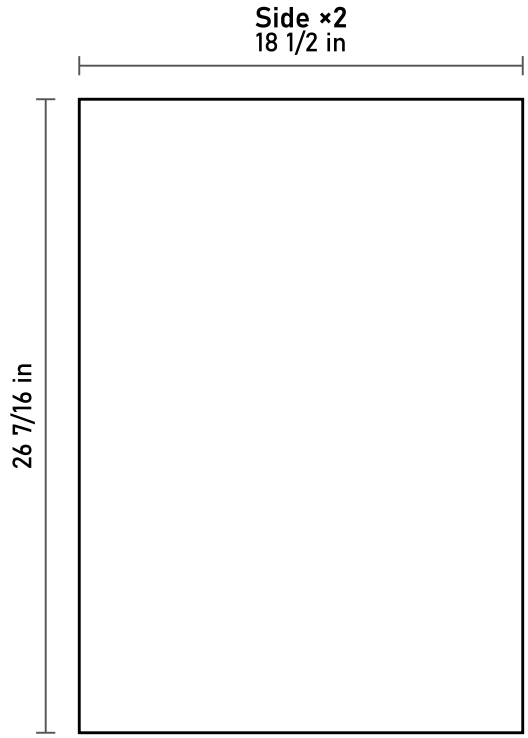


1/4 in plywood

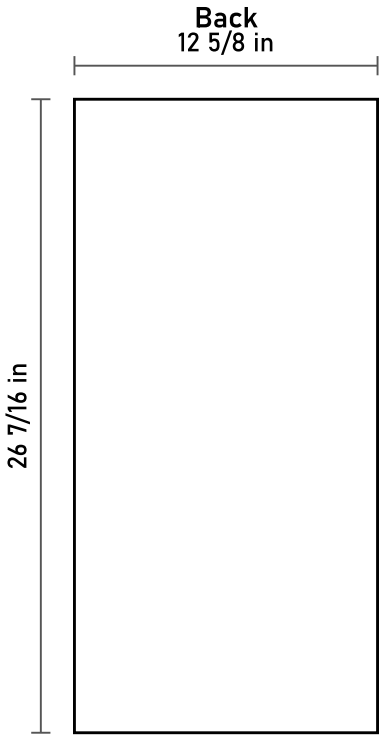
1. Rip the panel at 12 5/8 in: strip 1 and the offcut from cut 1
2. Crosscut strip 1 at 26 7/16 in: back and the offcut from cut 2

Not affiliated with, sponsored by, or endorsed by Milwaukee Tool. Milwaukee® and PACKOUT™ are trademarks of Milwaukee Electric Tool Corporation.

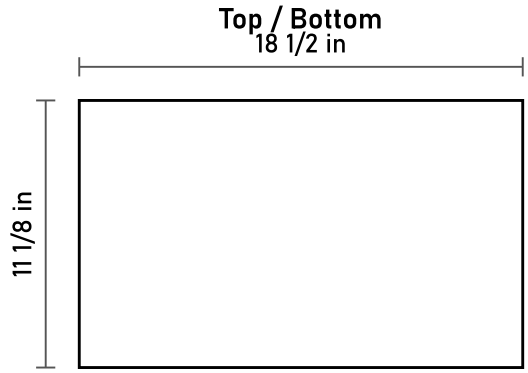
Panels



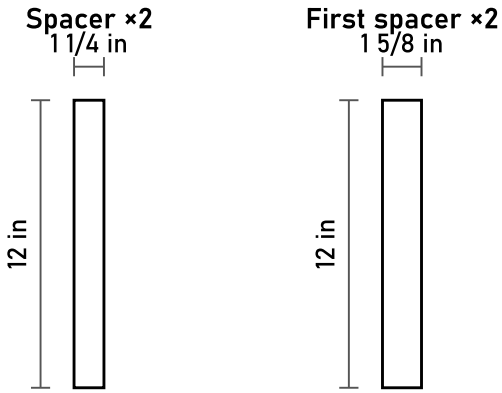
Screws go 3/8 in from the top and bottom edges, from the outside face.



1/4 in plywood, glued and nailed over the back edges.



Sits between the sides.

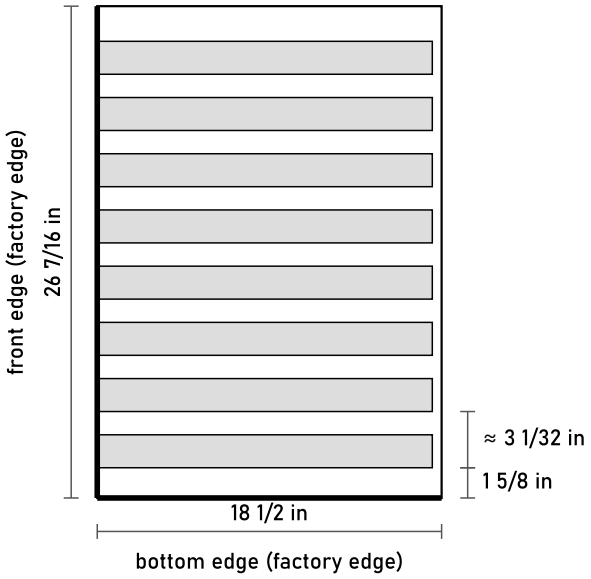


Ripped from the leftover; they set every slide height.

Panels drawn to one scale (1 : 8). Sizes are finished sizes.

Not affiliated with, sponsored by, or endorsed by Milwaukee Tool. Milwaukee® and PACKOUT™ are trademarks of Milwaukee Electric Tool Corporation.

Slide layout



Left side shown, inside face up, front edge at the left. The right side is its mirror image.

Place every slide from the side's **bottom edge** and **front edge**: use factory edges for both.

1. Separate each slide: pull the inner member all the way out (press its release tab) and set it aside. It bolts to the Drawer Cradles later (page 5, step 4).
2. Lay both sides flat, inside faces up, as a mirrored pair with their front edges toward you. Mount the slides on both the same way.
3. Lay two **first spacers** (1 5/8 in) flat on the side, one near each end of where the slide goes, their edges flush with the side's bottom edge (at 12 in long, let them run past the front and back edges). Butt the lowest slide's outer member against them, its front end flush with the front edge, and screw it on.
4. Lay two **spacer strips** (1 1/4 in) flat against the top edge of the slide you just mounted, one near each end. Butt the next slide against them, front end placed the same way, and screw it on. Repeat to the top.
5. Check each slide against the table. Pitch: ≈ 3 1/32 in.

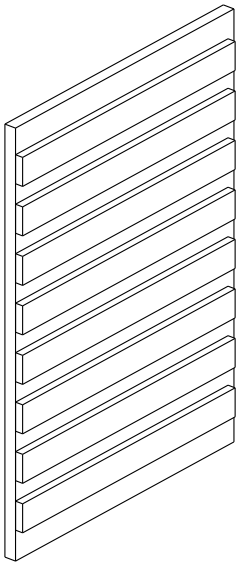
For N drawers (6, 8, 10 or 12) use rows 1–N. These are all shallow drawers; mixing in deep ones: page 6.

Slide	Bottom edge above the side's bottom edge
1	1 5/8 in (41.3 mm)
2	≈ 4 21/32 in (118 mm)
3	≈ 7 21/32 in (194.8 mm)
4	≈ 10 11/16 in (271.5 mm)
5	≈ 13 23/32 in (348.3 mm)
6	≈ 16 23/32 in (425 mm)
7	≈ 19 3/4 in (501.8 mm)
8	≈ 22 25/32 in (578.5 mm)
9	≈ 25 13/16 in (655.3 mm)
10	≈ 28 13/16 in (732 mm)
11	≈ 31 27/32 in (808.8 mm)
12	≈ 34 7/8 in (885.5 mm)

Drawers	Cabinet height	Side and back length
6	20 3/8 in	20 3/8 in
8	26 7/16 in	26 7/16 in
10	32 1/2 in	32 1/2 in
12	38 1/2 in	38 1/2 in

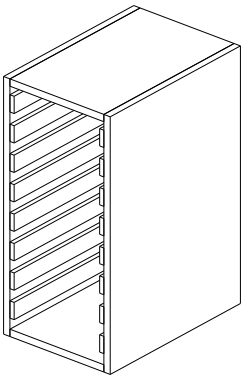
Not affiliated with, sponsored by, or endorsed by Milwaukee Tool. Milwaukee® and PACKOUT™ are trademarks of Milwaukee Electric Tool Corporation.

Assembly



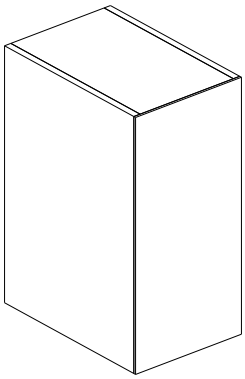
1

Cut every part (page 2). Pull the inner member out of each slide. Lay the two sides flat, inside faces up, as a mirrored pair with their front edges toward you, and screw the slides' outer members on, set by the spacers (page 4).



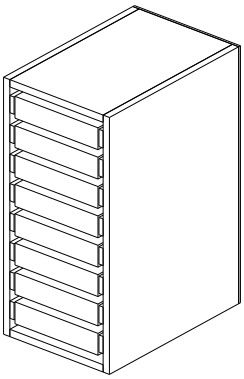
2

Stand the sides up. Glue the top and bottom between them, flush at the front. Drive 4 screws through the side into each end of the top and the bottom (16 in all), 3/8 in from the top and bottom edges: the outer two 2 in from the front and back edges, the rest evenly between, at most 6 in apart. Pre-drill and countersink.



3

Measure both diagonals and rack the box until they match. Glue the back on and nail it into the edges of the sides, top and bottom with 18 brads: 1 in from each corner, at most 6 in apart. Then trim it flush.



4

Bolt two Drawer Cradles to each pair of inner members (M5 screws, 118 mm apart), clip the inner members back into the slides, and drop the organizers in.

Not affiliated with, sponsored by, or endorsed by Milwaukee Tool. Milwaukee® and PACKOUT™ are trademarks of Milwaukee Electric Tool Corporation.

Shallow, deep and full-size organizers

Shallow (48-22-8436) and deep (48-22-8435) organizers can share a cabinet, in any order. Every case's top hangs 1 1/4 in above its slide's centerline; its bottom hangs 1 in (shallow) or 3 1/4 in (deep) below it. The spacers leave 3/4 in of air between cases, above the top one and below the lowest.

The rule: each slide sits on the spacer for its own drawer. The lowest slide sits on that drawer's first spacer; every slide above sits on that drawer's spacer strip, laid on the slide below.

Drawer	Organizer	First spacer (lowest slide)	Spacer strip	Slide to slide
Shallow	48-22-8436	1 5/8 in	1 1/4 in	≈ 3 1/32 in
Deep	48-22-8435	3 7/8 in	3 1/2 in	≈ 5 9/32 in

1. Choose the drawers' order, bottom to top. It doesn't change the cabinet's height.
2. Cut the sides and the back to the height in the table below. The top, the bottom and the depth don't change. Lay the parts out on the sheet yourself (page 2 is the eight-shallow layout).
3. Rip two first spacers for the lowest drawer's kind, and two 12 in spacer strips for each kind above it, from the leftover plywood.
4. Mount the slides as on page 4, choosing each slide's spacer by its own drawer.
5. Check: the top slide's centerline is 2 in below the underside of the top (1 1/4 in to the case top, plus 3/4 in).

Cabinet height (sides and back)

Deep ↓ · Shallow →	0	1	2	3	4	5	6	7	8
1	7 9/16	10 9/16	13 9/16	16 5/8	19 5/8	22 5/8	25 11/16	28 11/16	31 11/16
2	12 13/16	15 13/16	18 7/8	21 7/8	24 7/8	27 15/16	30 15/16	33 15/16	37
3	18 1/16	21 1/8	24 1/8	27 1/8	30 3/16	33 3/16	36 3/16	39 1/4	42 1/4
4	23 3/8	26 3/8	29 3/8	32 7/16	35 7/16	38 7/16	41 1/2	44 1/2	47 1/2

Inches. All-shallow heights are on page 4. Sizes are finished sizes.

Full-size organizers (48-22-8431 shallow, 48-22-8430 deep)

They sit side to side between the cradles and hang the same way, so the heights, spacers and slide layout above all apply. Only the width changes: the cradles measure 20 3/8 in across (10 1/8 in on the compact ones), so build the cabinet 21 3/8 in wide inside, 22 7/8 in outside. Cut the top and the bottom 21 3/8 in long and the back 22 7/8 in wide; the sides don't change. Compact and full-size organizers can't share a cabinet.

Not affiliated with, sponsored by, or endorsed by Milwaukee Tool. Milwaukee® and PACKOUT™ are trademarks of Milwaukee Electric Tool Corporation.