GRAINBENCH ORIGINAL | CONFIDENT BEGINNER

The Neat Cut Scrap Bin

A sturdy plywood floor bin with two bays and sloped sides for keeping offcuts sorted and easy to see.



SIZE	SKILL	TIME	JOINERY
24 in wide, 18 in deep, 28 in tall	Confident beginner	About 4 to 5 hours	Screws and glue

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01 / MATERIALS AND TOOLS

What to buy.

LUMBER AND SHEET GOODS

BUY	USED FOR
1 x 1x6 board, 4 ft (or an offcut at least 23-1/2 in long)	F front lip
1 x 3/4 plywood, 4 ft x 8 ft sheet	B floor, D divider (cut to a slope), R back, S sides (cut to a slope)

All the plywood comes from one 4 x 8 sheet; the store can rip it into the widths for you.

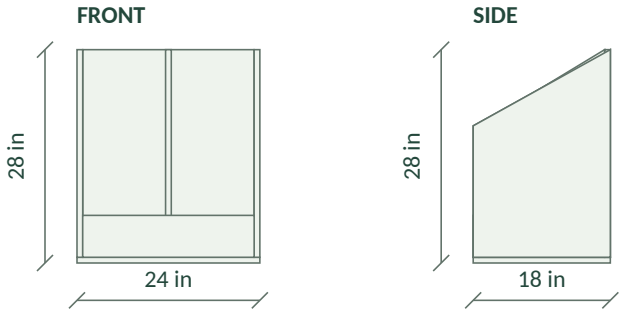
HARDWARE AND SUPPLIES

ITEM	AMOUNT
#8 x 1-1/2 in flathead wood screws	34, plus a few spares
Wood glue	Small bottle of interior wood glue
Sandpaper	120 and 180 grit
Anti-tip strap	1, with screws suited to your wall

TOOLS

- Circular saw with a straight-edge guide, or have the store cut the plywood
- Jigsaw for the angled and shaped cuts
- Drill/driver with a countersink bit
- Tape measure, pencil and a combination or speed square
- 2 clamps that open to at least 24 in
- Safety glasses and hearing protection

FINISHED SIZE



The sides and divider slope from 17-1/4 in at the front to 27-1/4 in at the back, measured from the top of the floor. The divider stands 11-5/8 in from the left, making two bays about 10-7/8 in wide.

02 / CUT LIST

Cut the parts.

Cut the floor, back and the blanks for the sides S and divider D. The slopes come in step 1.

ID	PART	QTY	LENGTH	WIDTH	THICK	FROM
B	Floor	1	24 in	18 in	3/4 in	3/4 plywood
S	Sides (cut to a slope)	2	27-1/4 in	18 in	3/4 in	3/4 plywood
R	Back	1	27-1/4 in	22-1/2 in	3/4 in	3/4 plywood
D	Divider (cut to a slope)	1	27-1/4 in	16-1/2 in	3/4 in	3/4 plywood
F	Front lip	1	22-1/2 in	5-1/2 in	3/4 in	1x6

CUTTING DIAGRAMS

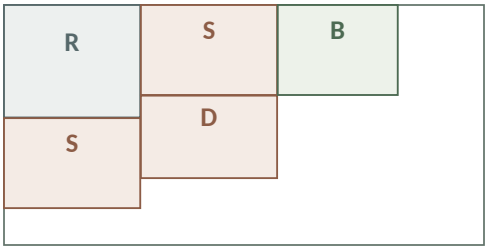
1x6 x 4 ft

23-1/2 in used, including 1 in to square the end and 1/8 in per cut



3/4 plywood, 4 ft x 8 ft

Long edge runs left to right. Allow 1/8 in between parts for the saw.

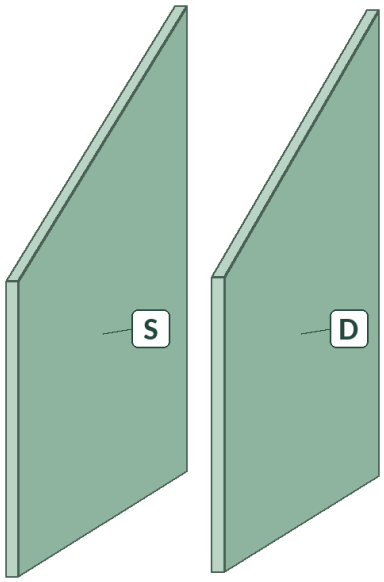


03 / BUILD

Put it together.

STEP 1 Cut the slopes

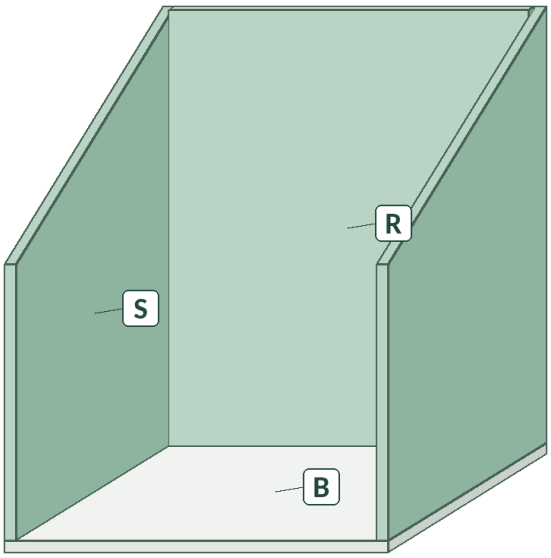
On both **S** and on **D**, mark 17-1/4 in up at the front and 27-1/4 in at the back, join the marks, and cut. Mark the divider separately: it is shorter front to back, so its slope is steeper.



GREEN: added in this step | GREY: already in place

STEP 2 Fit the sides and back

Glue the sides onto the edges of **B** and drive 4 screws up through the floor into each. Fit **R** between them at the back, with 4 screws up through the floor and 4 through each side.



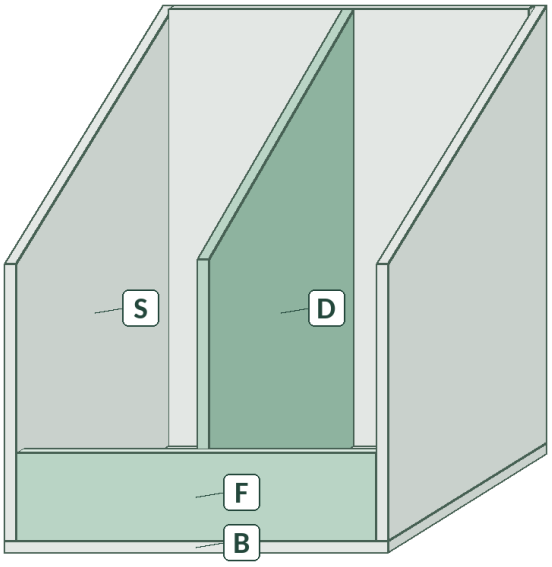
GREEN: added in this step | GREY: already in place

03 / BUILD, CONTINUED

STEP 3

Add the divider and lip

Stand **D** on its centre line, glue and drive 3 screws up through the floor and 3 through the back. Fit **F** at the front between the sides with 3 screws up through the floor, 2 through each side and 1 into the divider.

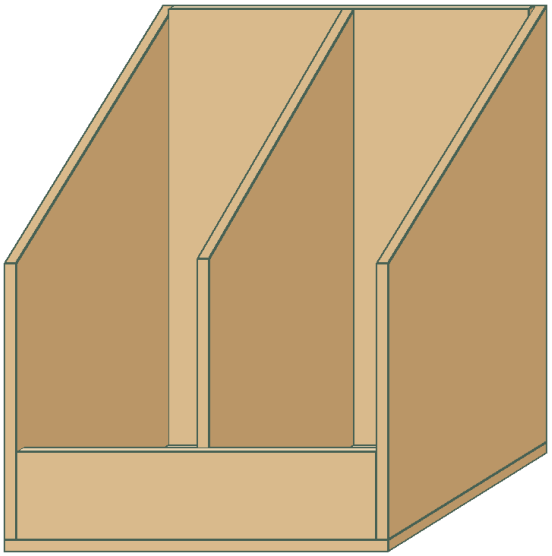


GREEN: added in this step | GREY: already in place

STEP 4

Finish and anchor

Sand the top edges so they will not snag, and fasten the anti-tip strap from the back into a wall stud.



CARE

For short offcuts. Keep heavy pieces low and do not let long boards stick out into walkways.

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Dimensions, part counts and cutting layouts were checked digitally. The plan has not been load-tested.