



AN ORIGINAL YOU CAN MAKE YOUR OWN

The Gather Round Storage Crate

An open, slatted crate for light household storage, with square corner posts and a separate plywood floor.



18 in W x 12 in D x 10-1/2 in H

Two 1x3 boards, 2x2 posts, 1x2 floor cleats and plywood.

Project visualization. Build to the [dimensioned drawings](#) and [cut list](#).

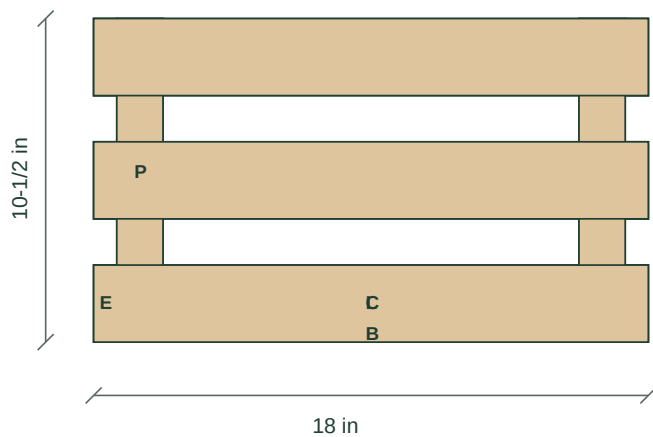


01 / DIMENSIONS

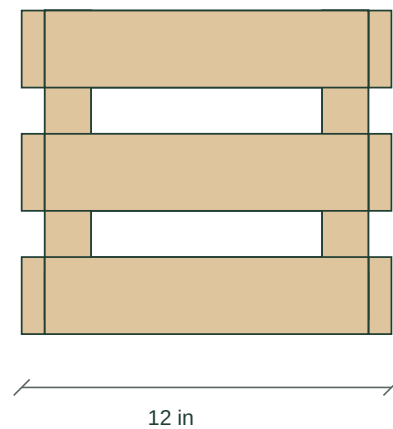
Know the shape. Keep the size.

Dimensioned views show the finished form. Use the cut list and part labels together; drawings are references, not full-size drilling or cutting templates.

FRONT / WIDTH



SIDE / DEPTH



18 W x 12 D x 10-1/2 H in. Slat lower edges: 0, 4 and 8 in, leaving 1-1/2 in gaps. E sits between full-width L. B fits inside all walls. P begins on top of B; C stands between posts directly above B.

Part key

L: Long side slats / **E:** End slats / **P:** Corner posts / **C:** Floor cleats / **B:** Floor panel

Plan note: dimensions and stock layouts checked digitally; not physically built or load-tested. No weight capacity is specified.



02 / SHOPPING AND PARTS

Buy the stock. Label every part.

Choose straight, dry indoor stock. Ordinary pine or whitewood suits the solid parts; use flat, sound plywood where specified. Store names are nominal: measure actual thickness and width.

BUY	QUANTITY / NOTES
1x3 x 8 ft	2 boards; each supplies three L and three E.
2x2 x 4 ft	1 board. *P length = 10-1/2 in minus actual B thickness; 10 in if B is true 1/2 in.
1x2 x 4 ft	1 board for C.
1/2 in plywood	At least 16-1/2 x 10-1/2 in usable.
Hardware	48 x #8 x 1-1/2 in slat screws; fourteen #6 x 1-1/4 in screws: eight cleat and six floor.
Supplies	Glue, sandpaper and finish. No carrying handles are specified.

CUT LIST

FINISHED SIZES / INCHES

ID	PART	QTY	STOCK	LENGTH	WIDTH	THICKNESS
L	Long side slats	6	1x3	18	2-1/2	3/4
E	End slats	6	1x3	10-1/2	2-1/2	3/4
P	Corner posts	4	2x2	10*	1-1/2	1-1/2
C	Floor cleats	2	1x2	13-1/2	1-1/2	3/4
B	Floor panel	1	1/2 ply	16-1/2	10-1/2	1/2 nom.

Stock is the store label; **length, width and thickness** are the finished part sizes. Quantities are individual pieces. Allow for saw kerf and square the ends before measuring. Plywood thickness is nominal: measure the actual panel.

Tools

Tape, square, pencil, supported saw, drill/driver, clamps and sanding tools. Use eye, hearing and dust protection. Clamp small parts and keep hands clear of cutting and screw paths. Countersink, stopped pilots and a guided saw for B.



03 / CUT AND PREPARE

A clear layout before the first cut.

Each strip is a stock board. Part labels and lengths are in inches. Allow a 1/8 in kerf, square an end first and measure every cut from its new end. Leave spare stock for defects.

1x3 x 96 in / board 1

L / 18	L / 18	L / 18	E / 10-1/2	E / 10-1/2	E / 10-1/2	
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1x3 x 96 in / board 2

L / 18	L / 18	L / 18	E / 10-1/2	E / 10-1/2	E / 10-1/2	
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2x2 x 48 in / P assumes 1/2 in B

P / 10	P / 10	P / 10	P / 10	
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1x2 x 48 in

C / 13-1/2	C / 13-1/2	
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Fit B inside the walls; the stock layout assumes true 1/2 in B for 10 in posts.

1 Cut L/E slats, posts (P) and cleats (C)

Measure B thickness first and cut P to 10-1/2 in minus that thickness. Keep matching pieces equal. Reserve B slightly oversize until the frame is dry-fitted.

2 Mark slat heights on posts (P)

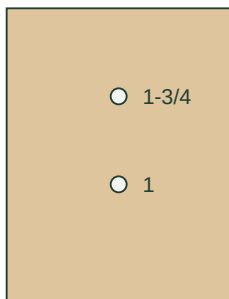
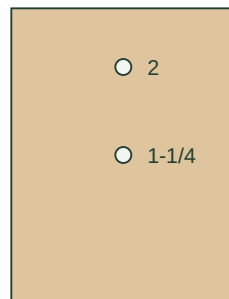
Use spacers equal to B thickness beneath P. From the overall floor reference, mark slat bottoms at 0, 4 and 8 in. P and top slats finish level at 10-1/2 in.



04 / JOINERY AND LAYOUT

Check the joint before assembly.

Use the sketch and the named parts to understand the setup. Hole symbols are schematic; the written dimensions and actual hardware control drilling.

L / SCREW HEIGHTS**E / OFFSET HEIGHTS**

Dimensions are above each slat lower edge.

Offset the rows so the two screw paths do not meet inside P.

Floor B screws go UP into cleats C.

3 Dry-fit four walls and floor (B)

L runs full width; E fits between L, giving 12 in depth. P sits inside every corner. Verify the 16-1/2 x 10-1/2 in opening before cutting B snugly inside.

4 Drill slat holes and post pilots

Use two screws per slat/post contact, centred across P faces. L rows are 1 and 1-3/4 in above each slat bottom; E rows are 1-1/4 and 2 in. The offset separates intersecting screw paths.



05 / ASSEMBLE

Keep it square as it comes together.

Support the work while clamping or turning it. Use the marked reference edges and the correct screw for each joint; do not swap hardware lengths.

5 Build end walls from E and P

Support P on floor-thickness spacers and use 1-1/2 in gap spacers. Glue contacts lightly, then fasten E with 24 #8 x 1-1/2 in screws. Match end-panel diagonals.

6 Connect end walls with long slats (L)

Align L ends with the end-wall outside faces. Glue contacts and add 24 matching screws. Keep bottoms flat and diagonals equal. Do not move the offset hole rows into the other screw paths.

7 Fit cleats (C) and floor (B)

C stands vertically between posts along both long walls, bottom at B top. Drive four #6 x 1-1/4 in screws per C through lower L, centred on C height. Fit B beneath C and add three screws upward into each C.

Detail to keep in mind

Floor screws go through B into the 1-1/2 in-high C, not into thin slat edges. Actual B thickness controls P length. Offset side/end screw heights prevent tip collisions in P.

[Fixing reference and setup guidance](#)



06 / FINISH AND INSPECT

Ready for its place in the room.

Let glue and finish fully cure. Inspect the finished project and its installation before everyday use. Correct loose, split or sharp parts first.

8 Finish slats, posts and floor

Ease exposed edges while leaving joining faces square. Sand 120 then 180 grit as appropriate, remove dust and test finish on an offcut. Follow finish ventilation and full cure directions. Inspect every gap for splinters. Do not add improvised handles or treat upper slats as rated carrying grips.

9 Inspect the completed crate

Check corners, cleats and floor screws including the underside. Use on a flat shelf or floor. Unload before moving; do not stack loaded crates or lift heavy contents by the top slats.

Use and care

Light indoor storage, not a seat, step, toy or rated carrying crate. No loaded stacking. Keep fingers clear of gaps.

Made to keep making.

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