



AN ORIGINAL YOU CAN MAKE YOUR OWN

The Everyday Shoe Rack

A low, open home for everyday shoes. A slim cap top and one raised shelf keep the shape clean, with room beneath the top for taller pairs.



30 in W x 11-1/4 in D x 18 in H

One 1x12 x 8 ft board and one 1x3 x 4 ft board.

Two shoe-storage levels. No drawers, slats or plywood back.

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



01 / THE DESIGN

A little order by the door.

The top and lower shelf form two shoe-storage levels. This is an open-backed shoe rack, not a seat or bench; keep it for indoor shoe storage.

FRONT / RAIL R IS AT REAR**Overall**

30 in W x 11-1/4 in D x 18 in H.

Approx. 762 x 286 x 457 mm.

Useful clear space

27 in between sides; 13-1/2 in above the lower shelf to T. At the rear rail, vertical clearance is 11 in.

Design details

Top overhang 3/4 in each side; front/rear edges flush. Shelf lower edge 3 in above the floor. R is required under the top along the rear edge.

Plan note: dimensions and stock layout checked digitally; not physically built or load-tested. No weight capacity is specified. Never sit, stand or climb on the rack.



02 / SHOPPING AND PARTS

Two boards. Four part labels.

Use straight, dry indoor stock. No special species is needed; common pine or whitewood is suitable. Nominal 1x12 is actual 3/4 x 11-1/4 in; 1x3 is 3/4 x 2-1/2 in.

BUY	QUANTITY / NOTES
1x12 x 8 ft	1 board for both sides, lower shelf and top. Verify full length and usable ends before cutting.
1x3 x 4 ft	1 board for the rear upper rail.
Pocket screws	16 x #8 x 1-1/4 in coarse-thread pocket screws for softwood, plus spares. Head type approved for your jig.
Other supplies	Interior wood glue, sandpaper, washable interior finish and optional thin floor pads. Furniture wall restraint if needed for children or the placement.

CUT LIST

FINISHED SIZES / INCHES

ID	PART	QTY	STOCK	LENGTH	WIDTH	THICKNESS
S	Sides	2	1x12	17-1/4	11-1/4	3/4
B	Lower shelf	1	1x12	27	11-1/4	3/4
T	Cap top	1	1x12	30	11-1/4	3/4
R	Rear upper rail	1	1x3	27	2-1/2	3/4

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.

Tools

Tape, square, pencil, supported crosscut saw, pocket-hole jig and matching bits, drill/driver, clamps, sander, and appropriate eye/hearing/dust protection. No lengthwise ripping or plywood cutting is needed.

If board thickness differs from 3/4 in, revise part fits and jig settings before starting. Do not substitute thinner material without redesigning.



03 / CUT AND MARK

One clear layout. No tiny pieces.

The strips below show stock boards; labels give part ID and length in inches. Allow 1/8 in saw kerf, square one end first and measure each successive cut from its new end.

1x12 x 96 in

T / 30	B / 27	S / 17-1/4	S / 17-1/4	
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1x3 x 48 in

R / 27	
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1 **Cut and label sides (S), shelf (B), top (T) and rail (R)**

Mark matching front edges and inside faces on S. Match the 11-1/4 in board widths, keep cuts square and remove splinters without rounding joining faces. Verify both S parts match exactly. Dry-fit the case with B and R between S.

2 **Mark shelf (B) and rail (R) positions on sides (S)**

Measure from the floor end on both S panels. Mark B lower edge at 3 in, then its upper face at 3-3/4 in. R upper edge is flush with the S upper ends at 17-1/4 in; its lower edge is 14-3/4 in above the floor. R rear face is flush with the side rear edges. T rests on the S upper ends.

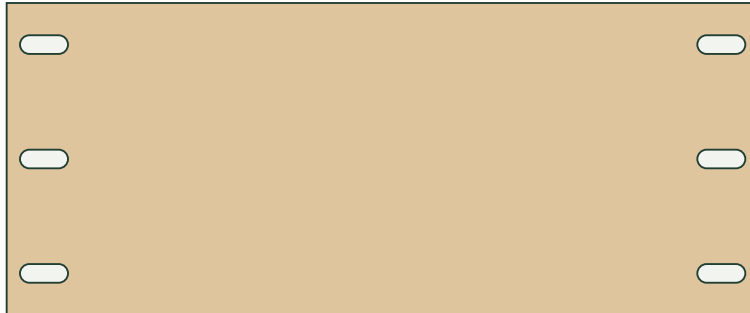
Width check: B and R are 27 in long; two 3/4 in sides make a 28-1/2 in case. The 30 in top extends 3/4 in beyond each side. Clear shelf height to T is 13-1/2 in.



Hidden fixings. Clear locations.

Use 1-1/4 in pocket screws with the jig and stop collar set for actual 3/4 in stock. The slots are schematic pocket-hole entrances, not exact drilling templates.

B / UNDERSIDE



B: 6 screws

Three at each end.

Centres from front:

1-1/2, 5-5/8, 9-3/4 in.

3 Drill lower shelf (B), sides (S) and rail (R)

B gets three pockets at each end on its underside. Each S gets three pockets at its TOP end on its inside face, at the same depth positions; these drive into T. R gets two pockets at each end on its FRONT face, 5/8 and 1-7/8 in below its upper edge. T has no pockets. Total: 16 screws.

4 Test a shelf (B) to side (S) joint on scrap

Use #8 x 1-1/4 in coarse-thread pocket screws for the specified softwood, with a head approved for the jig. Test using offcuts of actual 3/4 in thickness, clamp square and drive at low clutch torque. Check for splitting, stripping, tip breakthrough and driver access. Correct the setup before drilling project parts.

[Hardware reference: pocket-screw selection](#)

Clamp before driving screws; do not use the fasteners to pull a twisted or poorly fitting part into place. Keep designated front, inside and underside faces consistent.



A square case and an open back.

Work on a flat, supported surface. Keep front/rear edges of B flush with S, and support the case when turning it to reach the concealed pockets.

5 Join shelf (B) and rear rail (R) to sides (S)

Lay one S inside-face up. Glue the B end lightly, clamp its lower edge at 3 in and fasten three screws into S. Fit R at the upper REAR edge, glue its end, clamp and fasten two screws from the rail front. Support both parts while adding the second S; align its matching marks, glue and fasten the other five screws.

6 Fit cap top (T) on the sides (S)

Place T on the side upper ends, overhanging each outside side face by 3/4 in. Front/rear edges remain flush. Glue the side upper ends and R upper edge lightly, clamp the top centred, then drive the six S upper-end screws into T. Check screw tips remain below the top surface and no joint splits.

7 Square sides (S), shelf (B), top (T) and rail (R)

Check matching diagonals across the side-panel corners, excluding the top overhang, and use a square at the joints. Both side floor edges must contact a flat surface without rocking. Keep the assembly supported square while glue cures. R is part of this design; do not remove it or replace it with a decorative strip.

Before finishing

Case width 28-1/2 in; top width 30 in; total height 18 in. B upper face 3-3/4 in above floor. Check every pocket screw and joint for a tight fit, with no loose parts, splits or projecting tips.



06 / FINISH AND USE

Ready for everyday shoes.

A wipeable finish and gently eased edges suit this small entryway project. Keep the open back and useful lower space; no extra trim is needed.

8

Sand and finish sides (S), shelf (B), top (T) and rail (R)

Ease exposed edges lightly by hand, leaving structural joining faces square. Sand with 120 then 180 grit as appropriate and remove dust. Test the finish on an offcut. Coat faces and edges, including undersides, following the product's preparation, ventilation, drying and full cure directions. Choose an indoor finish suited to occasional shoe moisture; dry wet footwear first.

9

Inspect sides (S), shelf (B), top (T) and rail (R)

Set it on a level indoor floor. Check for rocking, open joints, splits, sharp edges and protruding screws; correct defects before use. Keep it clear of door swings and walking routes. Where children or the placement create a tipping risk, fit a furniture restraint to solid side/rail structure and appropriate wall structure following its maker's directions.

Use and care

Shoe storage only. Do not sit, stand or climb on the rack, and do not use the cap top as a step or bench. Distribute shoes across the shelf and keep excess moisture off the wood. Check joints and restraint periodically; unload and correct any looseness, splitting or rocking.

Part reminder

S - two sides. **B** - lower shelf. **T** - cap top. **R** - required rear upper rail.

Questions? service@grainbench.com