



AN ORIGINAL YOU CAN MAKE YOUR OWN

The Little Gallery Ledge

A quiet place for small framed pictures, a favourite card or a little book. One shallow channel and a low front lip make a useful display without a bulky shelf.



30 in W x 5 in D x 3-1/2 in H

One 1x4 x 8 ft board and one 1x2 x 4 ft board.
Three straight-cut pieces, with flush lower edges.

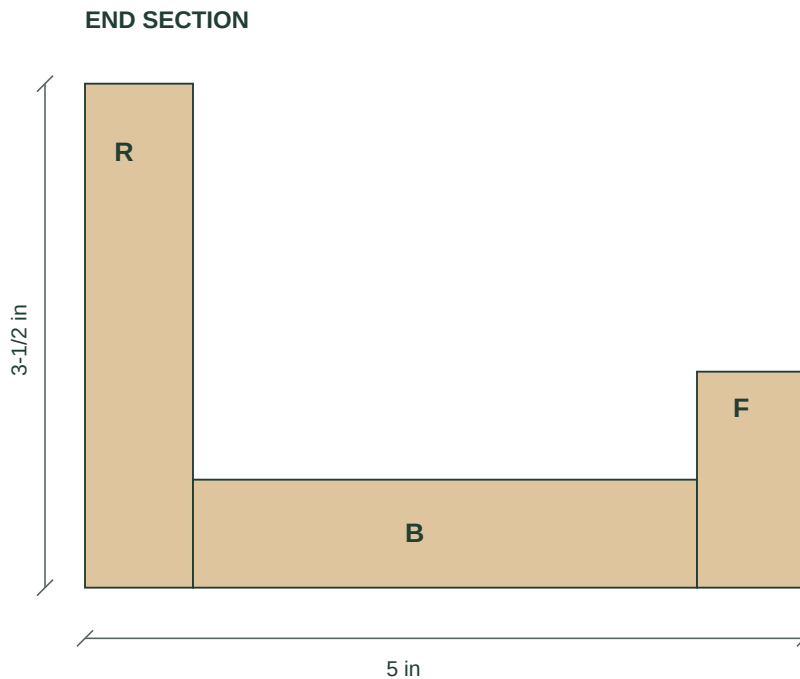
Project visualization. Build to the [dimensioned drawings](#) and [cut list](#).



01 / DIMENSIONS

Simple parts. A different purpose.

Use the dimensions below to plan the build and its final position. Drawings are references; do not scale the page to mark cuts.

**Overall**

30 in long x 5 in deep x 3-1/2 in high.

Display channel

3-1/2 in clear depth. F rises 3/4 in above B; R rises 2-3/4 in above B.

Wall installation

The directions assume two sound wood studs behind 1/2 in drywall. Other walls require their own suitable fixing system.

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.

Common indoor pine or whitewood is suitable; no special species is required. Store sizes are nominal. Measure actual thickness and width before setting up the saw and joinery.

BUY	QUANTITY / NOTES
1x4 x 8 ft	1 board; actual 3/4 x 3-1/2 in.
1x2 x 4 ft	1 board; actual 3/4 x 1-1/2 in.
Assembly screws	8 x #6 x 1-1/4 in flathead wood screws, plus spares. Not pocket screws.
Wall fixings	2 washer-head cabinet-mounting screws, typically #10 x 3 in for the wood-stud / 1/2 in drywall installation described. Match fixings to the actual wall.
Other supplies	Interior wood glue, sandpaper and interior finish.

CUT LIST

FINISHED SIZES / INCHES

ID	PART	QTY	STOCK	LENGTH	WIDTH	THICKNESS
R	Wall back	1	1x4	30	3-1/2	3/4
B	Shelf base	1	1x4	30	3-1/2	3/4
F	Front retaining lip	1	1x2	30	1-1/2	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, drill/driver, clamps, sander, and suitable eye/hearing/dust protection. Countersink bit, appropriate pilot bits, spirit level and stud finder. No pocket-hole jig is needed.



03 / CUT AND PREPARE

A clear layout before the first cut.

Each strip is a stock board. Labels show part ID and length in inches. Allow a 1/8 in kerf; square an end first and measure every cut from its new end.

1x4 x 96 in



1x2 x 48 in



1 Cut back (R), base (B) and front lip (F)

Cut all three pieces to 30 in, with square ends. Match lengths and mark lower edges. Keep full board widths; do not round the joining edges.

2 Mark screw rows on back (R) and lip (F)

On the OUTSIDE face of R and F, mark a screw row 3/8 in above the lower edge. Mark four positions along the length: 3, 11, 19 and 27 in from one end. These rows must meet the centre of the 3/4 in B edge.

3 Dry-fit back (R), base (B) and lip (F)

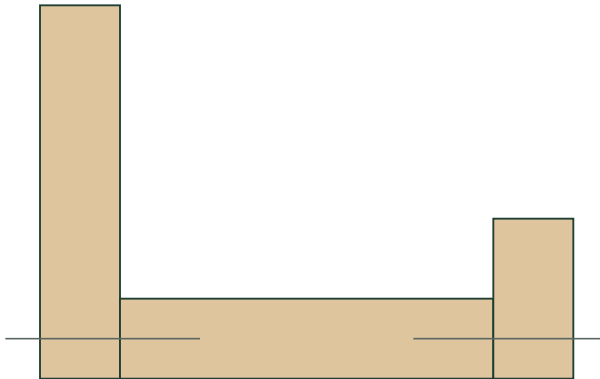
R stands behind B and F stands in front of B. All lower edges and all ends are flush. B fits between the two vertical boards in depth, making 5 in overall. Check the parts close without force.



Choose the fixing. Check the fit.

The enlarged sketch shows the relevant joint or hole locations. Use the labelled parts and actual stock thickness; test the fixing on matching scrap before assembly.

SCREW ROW / 3/8 in ABOVE BOTTOM



4 Pilot and countersink R and F

Drill screw-clearance holes through R and F, then pilot the corresponding B edges to suit the chosen #6 screws; follow the screw maker's bit guidance. Countersink just enough for flush heads, especially on the wall-facing back. Test a 1-1/4 in screw on matching scraps; do not crush the surface.

5 Attach back (R) to base (B)

Apply a light glue film along B's rear long edge. Clamp R against it, with bottom and ends flush. Drive four #6 x 1-1/4 in screws through R into B at low torque. Inspect the shelf surfaces for escaped tips or splits.

[Cabinet-mounting screw reference](#)



05 / ASSEMBLE AND FINISH

Keep it square. Finish it simply.

Support the work while turning or clamping it. Keep parts on their marked reference faces, and follow glue and finish curing directions before installation or use.

6

Attach front lip (F) to base (B)

Glue B's front long edge, clamp F against it with lower edges and ends flush, and drive the other four #6 x 1-1/4 in screws. Keep the base flat and the lip vertical; allow the glue to cure with the assembly supported square.

7

Sand and finish back (R), base (B) and lip (F)

Ease exposed edges lightly by hand, leaving joining faces square. Sand with 120 then 180 grit as appropriate and remove dust. Test the finish on an offcut. Follow its preparation, ventilation, application and full cure directions. Keep the wall-facing surface flat and screw heads flush.

8

Locate wall fixings through back (R)

Find two sound wood studs and confirm safe drilling locations. Position the ledge level, then mark holes through R at the actual stud centres, about 2-1/2 in above its lower edge. Keep holes at least 1-1/2 in from the ends. Shift the ledge if necessary; do not rely on preselected hole spacing or drywall alone.

Detail to keep in mind

The assembly screws are separate from the wall-mounting screws. Four short screws join R to B and four join F to B. The longer cabinet screws go through the upper portion of R into studs; they never pass through the shelf base.



Ready for its place in the room.

Check the completed project and its fixings before putting it into everyday use. Correct any loose, split or sharp part before loading.

9**Mount through back (R); inspect the ledge**

For the specified stud wall, use the two cabinet-mounting screws with at least 1-1/2 in effective penetration into sound wood after allowing for the 3/4 in back and actual wall finish. Follow the fixing maker's pilot instructions. Seat washer heads against R without crushing it. Check level and a firm wall connection before placing light display items.

Use and care

Light indoor display use only. Keep items stable behind F and avoid objects that can tip or roll out. Do not use as a grab rail, climbing aid or overhead storage for heavy items. Recheck fixings periodically; remove items if any joint or wall connection loosens.

Part reminder

R - Wall back / **B** - Shelf base / **F** - Front retaining lip

Questions? service@grainbench.com