



AN ORIGINAL YOU CAN MAKE YOUR OWN

The Simple Lines Picture Frame

A straight-cut frame for lightweight paper art. Butt joints and a removable plywood back keep it approachable, without glass or routed rebates.



14 in W x 1 in D x 18 in H

Common 1x2 rails and a plywood back. No mitre cuts.

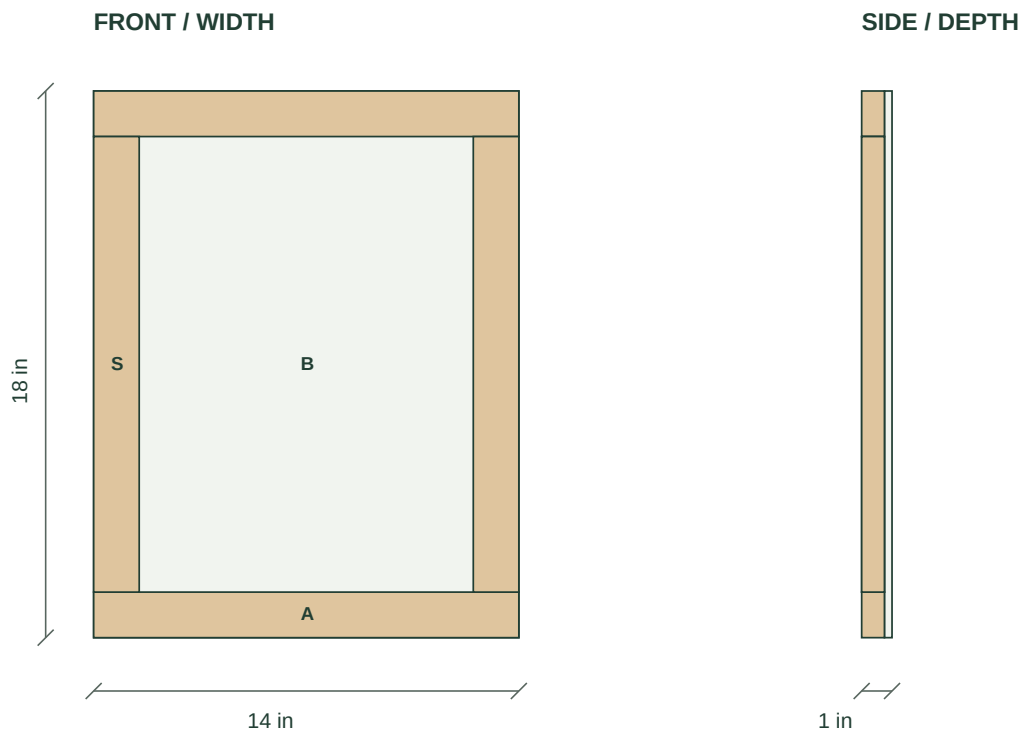
Project visualization. Build to the [dimensioned drawings](#) and [cut list](#).



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.



Outside: 14 W x 18 H x approximately 1 D in including true 1/4 in B. Viewing opening: 11 W x 15 H. A spans full width; S fits between A. A centred 12 x 16 in print overlaps the opening 1/2 in all around.

Part key

A: Top and bottom rails / **S:** Side rails / **B:** Removable back

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
1x2 x 8 ft	1 board for A/S.
1/4 in plywood	One flat 14 x 18 in back, cut after assembly.
Joinery	4 x 1-1/4 in pocket screws; maker-compatible narrow-board jig setup.
Back screws	8 x #6 x 1/2 in wood screws; stopped shallow pilots.
Hanger	One two-screw sawtooth hanger approved for the finished lightweight frame. Typical screws #6 x 5/8 in through B into upper A; verify the actual hardware.
Artwork / supplies	12 x 16 in paper print, removable artwork tape, glue, sandpaper and finish. No glass.

CUT LIST

FINISHED SIZES / INCHES

ID	PART	QTY	STOCK	LENGTH	WIDTH	THICKNESS
A	Top and bottom rails	2	1x2	14	1-1/2	3/4
S	Side rails	2	1x2	15	1-1/2	3/4
B	Removable back	1	1/4 ply	14	18	1/4 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. Narrow-board pocket-hole setup, guided plywood saw and drill depth stop.



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.

1x2 x 96 in



B: cut plywood to the assembled 14 x 18 in outside size.

1

Cut rails (A/S) square

Use full 1-1/2 in board width. A is 14 in long and S is 15 in. Mark rear faces and match each pair. No mitres, glass or routing are specified.

2

Lay out A around side rails (S)

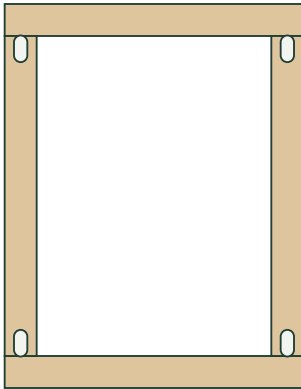
A runs full width at top/bottom and S fits between. Dry-fit a 14 x 18 in outside frame and an 11 x 15 in opening. Check equal diagonals.



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.

FRAME / REAR WITHOUT B

One centred pocket per S end.

A runs FULL WIDTH; S fits between A.

B screws into all four rails and remains removable.

No glass or routed rebate.

3

Prepare narrow-rail pockets in S

For measured 3/4 in stock use 1-1/4 in pocket screws with jig-approved heads, coarse thread for softwood or the maker's choice for your material. Set jig and collar to actual thickness, test matching scrap and use low clutch torque. Put ONE pocket per S end, centred across the 1-1/2 in rail on its rear face. Follow the jig's narrow-board setup; do not crowd two standard pockets into each end.

4

Glue and join A/S frame

Glue S ends lightly, clamp square and drive four screws into A. Keep fronts flush and leave clamped for the glue maker's curing time.



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

Cut back (B) and drill fixings

Fit B to the assembled 14 x 18 in outline. Mark two screws per rail, centred over rail width and away from pocket paths. Drill B clearances and shallow stopped rail pilots.

6

Finish A/S frame and B

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. Keep mating rear faces flat. Do not glue B permanently: the back must be removable to change paper art.

7

Position artwork and fit B

Centre the 12 x 16 in paper print behind the opening, face forward. Use removable artwork tape as needed. Add B and eight #6 x 1/2 in screws without crushing paper or plywood.

Detail to keep in mind

B braces the butt-jointed frame and holds the paper. No glass rebate exists. Back and hanger screws are shorter than the pocket screws, with separate pilot depths.

[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 Fit the hanger over upper A

Centre the two-screw hanger over solid top rail material. Typical 5/8 in screws through 1/4 in B leave about 3/8 in wood penetration before plate allowances. Follow hanger directions and inspect the front for tips.

9 Inspect and hang the frame

Check square joints, firm back screws and a seated hanger. Use a wall fixing suited to the actual wall and finished weight. Do not add glass, mirrors or heavy panels to this design.

Use and care

Indoor lightweight paper art only. Keep dry and inspect hanging hardware when changing art. Avoid hanging above beds or seating on an unverified fixing.

Made to keep making.

You may sell your finished physical makes. Please link to GrainBench rather than selling or redistributing these plan files, drawings or project images.

[Read a woodworking plan](#) / [Choose materials](#)

Questions or corrections? service@grainbench.com