



AN ORIGINAL YOU CAN MAKE YOUR OWN

The Welcome Home Console

A slim landing spot for keys, a small lamp and the things you take on your way out. Square legs, recessed aprons and one rear rail keep the front open.



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

Common 1x12, 1x3 and 2x2 stock. Straight cuts; one-piece top.
A wall restraint is required before use.

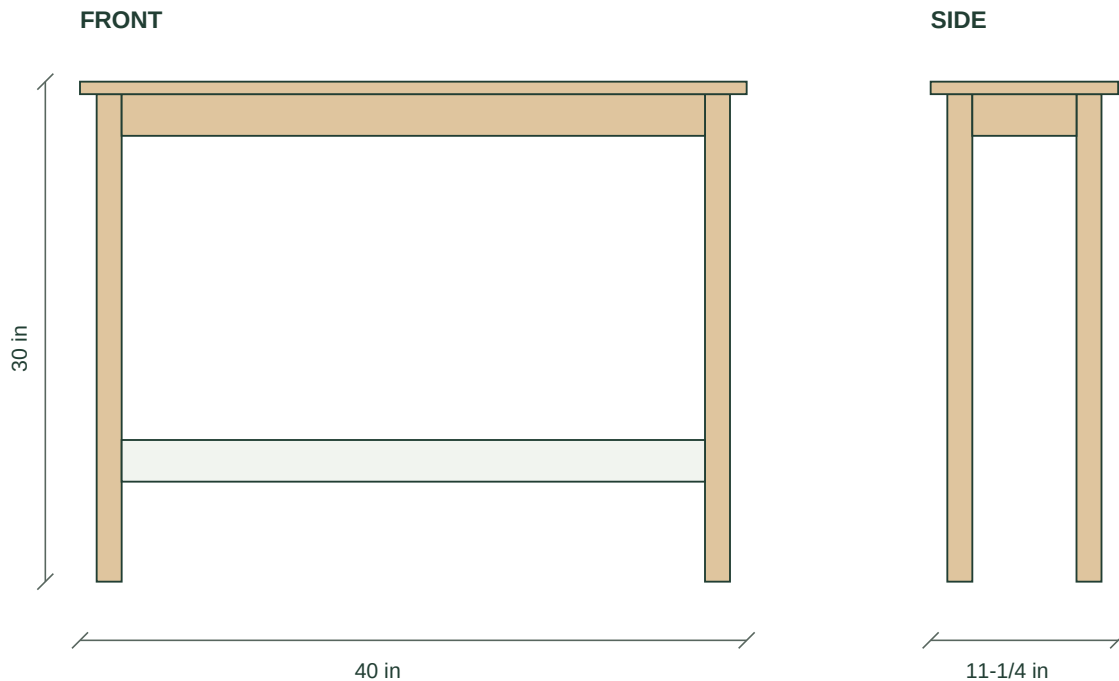
Project visualization. Build to the [dimensioned drawings](#) and [cut list](#).



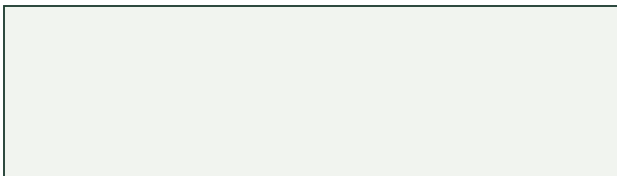
01 / THE DESIGN

Simple proportions. Small details.

The top overhangs the outside leg footprint by 1 in on all four sides. Apron outside faces are recessed 1/4 in from the outside leg faces; all upper leg/apron edges are flush.



TOP / ONE T BOARD



Base footprint

38 x 9-1/4 in outside the legs.

Finished height

29-1/4 in legs + 3/4 in top.

Top grain

Runs along the 40 in length.

Rear rail (R)

Lower edge 6 in above the floor.

Plan note: dimensions and stock layouts checked digitally; not physically built or load-tested. No weight capacity is specified. This is furniture for light indoor use, not seating or a step.



02 / SHOPPING AND PARTS

Common sizes. A clear cut list.

Choose straight, dry interior stock. No special wood species is required; common pine or whitewood is suitable. Measure actual sizes before cutting.

BUY	QUANTITY / ACTUAL SIZE
1x12 x 4 ft	1 board; actual 3/4 x 11-1/4 in.
1x3 x 8 ft	2 boards; actual 3/4 x 2-1/2 in.
2x2 x 8 ft	2 boards; actual 1-1/2 x 1-1/2 in.
Pocket screws	20 x #8 x 1-1/4 in coarse-thread pocket screws for softwood, plus spares; head approved for the jig.
Top fasteners (F)	4 Rockler 21650 figure-8 fasteners and 8 supplied #6 x 5/8 in flathead screws; one 8-pack leaves spares.
Other supplies	Interior glue, sandpaper, finish and optional floor pads. Furniture wall restraint and wall-specific fixings are required.

CUT LIST

FINISHED SIZES / INCHES

ID	PART	QTY	STOCK	LENGTH	WIDTH	THICKNESS
L	Legs	4	2x2	29-1/4	1-1/2	1-1/2
A	Front / back aprons	2	1x3	35	2-1/2	3/4
B	End aprons	2	1x3	6-1/4	2-1/2	3/4
T	Top board	1	1x12	40	11-1/4	3/4
R	Rear rail	1	1x3	35	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

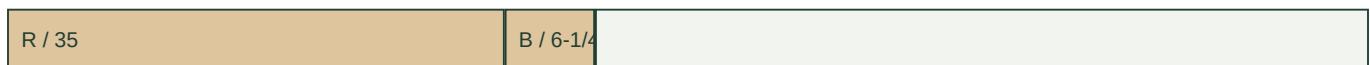
Tape, square, pencil, supported crosscut saw, drill/driver, pocket-hole jig and matching bits, clamps, sander, 3/4 in Forstner bit, chisel and appropriate eye/hearing/dust protection.



03 / CUT AND PREPARE

Cut the parts. Keep the labels.

Each strip represents one stock board. Labels give part ID and length in inches. Allow a 1/8 in kerf between cuts, square an end first and measure every cut from its new end.

1x12 x 48 in**1x3 x 96 in****1x3 x 96 in****2x2 x 96 in****2x2 x 96 in**

1 Prepare top (T), legs (L) and aprons (A/B) / rail (R)

Cut and label the lumber. Keep all L legs the same length; check A and B pairs match. Reject split joints, loose knots at fastener positions and twisted legs. Lightly sand accessible faces but keep joining faces square and bare.

2 Make the one-board top (T)

The single T board stays at its full 11-1/4 in width. Check it is flat and dry; do not force a cupped board onto the base with screws. Ease exposed edges lightly by hand. Its grain runs along the 40 in length.



04 / ASSEMBLE THE FRAME

Clean joints. A small shadow line.

Join aprons to the INSIDE leg faces with two pocket screws per apron end. Set the jig and collar for the actual 3/4 in apron thickness, not the 1-1/2 in leg thickness.

A / INSIDE FACE



B / INSIDE FACE



Hole centres below apron top: A = 1/2, 1-3/4 in; B = 3/4, 2 in. Staggered heights help avoid screw collisions in each leg. R uses two holes at each end on its FRONT face, 5/8 and 1-7/8 in below its top.

3

Drill aprons (A/B) and rail (R); test into leg scrap (L)

Put A/B pockets on inside faces. Use #8 x 1-1/4 in pocket screws for the specified softwood, with the correct jig settings. Test two perpendicular, staggered joints in scrap of the same sizes. Check for colliding screws, splitting, stripping and tip breakthrough before proceeding.

4

Build two end frames: legs (L) + apron (B)

Rest each pair of outside leg faces on the bench. Place a 1/4 in spacer under B to recess its outside face. Align upper ends flush, apply glue at the apron ends, clamp square and fasten two screws per joint. Repeat for the second end frame.

5

Add front/back aprons (A) and rear rail (R)

Join the frames with both A aprons, using the same 1/4 in recess and flush upper ends. Glue, clamp and fasten eight screws. Check matching base diagonals and four feet contacting a flat surface; correct twist before the glue cures. Fit R between the REAR legs only, lower edge 6 in above the feet and rear face recessed 1/4 in. Glue, clamp and fasten four screws from its front pockets. Leave the front open.



05 / ATTACH WITH MOVEMENT ALLOWANCE

A solid top needs room to move.

Four figure-8 fasteners (F) mount to the two END aprons (B), two per apron. They pivot as the solid top changes width. Do not glue T to the frame or rigidly screw through the aprons into T.

BASE / VIEW FROM ABOVE; TOP REMOVED



Position F 1-3/4 in from EACH end of each B apron. Large lobe sits in B; small lobe points inward. Layout symbols show placement, not an exact drilling template.

6

Recess fasteners (F) into end aprons (B)

For Rockler 21650, use a 3/4 in Forstner bit centred 1/4 in from the apron inside edge. Recess to the measured plate thickness (nominal 7/64 in) so F is flush. The recess opens at the inside edge; clear it with a chisel as needed for pivoting. Test on apron scrap first. Other fasteners need their own recess dimensions.

Drill pilots sized for the supplied screws; fix F to B with four #6 x 5/8 in flathead screws. Seat them without locking the plates against pivoting. Keep hardware flush with the apron top; leave top-side screws for step 8.

[Fastener installation sheet](#) / [Solid wood and movement allowance](#)



06 / FINISH AND INSPECT

Finish simply. Check the details.

Finish the top and frame separately, then connect them. Keep glue and finish buildup out of the fastener recesses; do not use tabletop fixings to pull a twisted frame flat.

7

Sand and finish top (T), legs (L) and aprons (A/B)

Lightly soften exposed edges by hand while preserving square joining faces. Sand with 120 then 180 grit as suited to the finish and remove dust. Test on an offcut; coat all top faces, including underside and edges. Follow preparation, ventilation, coating and full cure directions. Finish rear rail R too.

8

Centre top (T) and secure with fasteners (F)

Lay T face down on padding. Centre the inverted base for a 1 in overhang beyond the outside legs on every side. Mark pilots through the free F holes, away from top glue seams where practical. Use a depth stop limiting total drill-tip penetration to 1/2 in. Test screw reach in same-thickness scrap, then fix T with the other four #6 x 5/8 in flathead screws. Do not substitute longer screws or immobilise the fastener pivots.

9

Inspect legs (L), top (T) and wall restraint

Stand on a level indoor floor. Check the top is secure and centred, four feet contact the floor, joints are closed and there are no splits, projecting screws or wobble. Correct defects before use. Fit a furniture anti-tip restraint between solid REAR leg/frame structure and suitable wall structure, following its maker's directions. Do not attach only to the moving top. Account for baseboards without leaning the table; restrain before loading.

Indoor light-duty use only. Do not sit, stand or climb on the table. Use surface protection and keep heavy or hot/wet objects off unprotected areas. Recheck joints and hardware periodically; unload and repair if anything splits, loosens or wobbles.

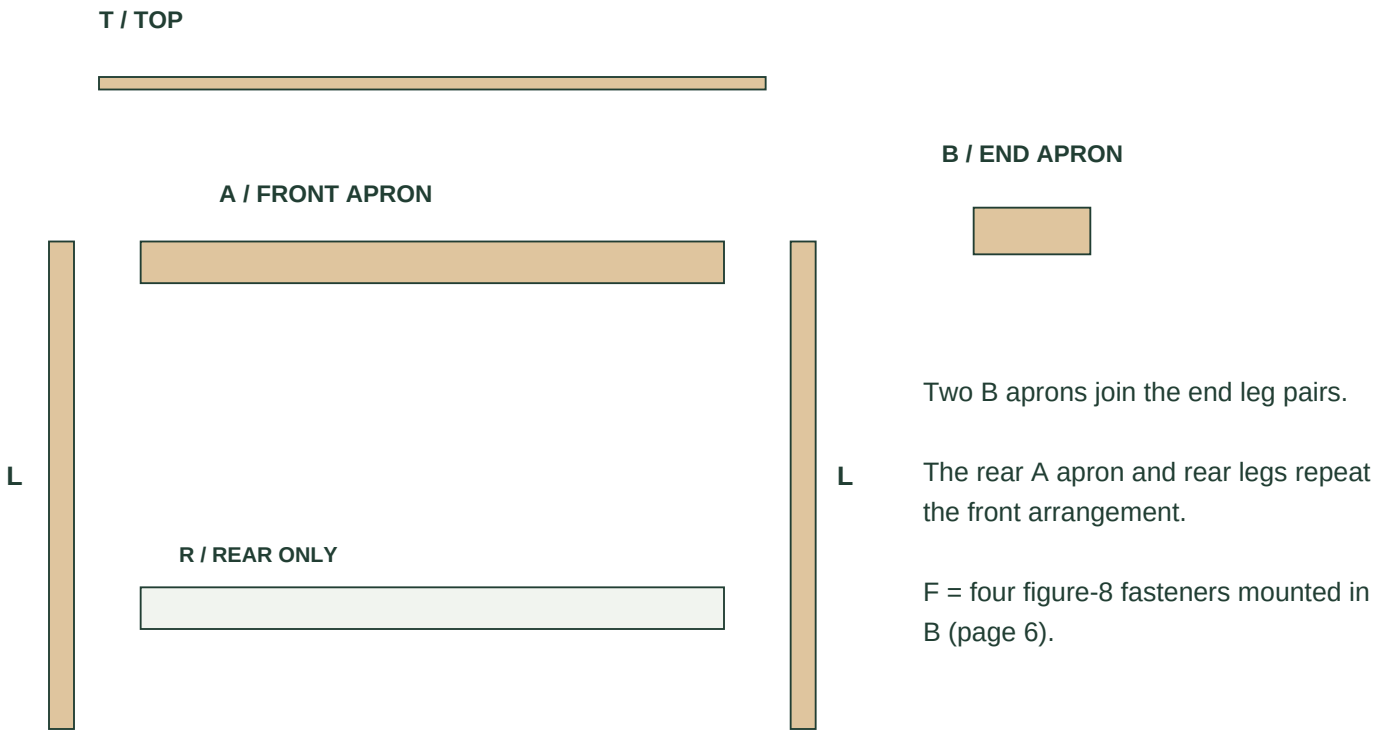
Questions? service@grainbench.com



07 / ASSEMBLY REFERENCE

The parts, kept easy to follow.

Exploded front elevation with the depth parts shown separately. Gaps are exaggerated. Refer to the measured views and part list rather than scaling this drawing.



Part key

- L** - four legs, 29-1/4 in long.
- A** - two front/back aprons, 35 in long.
- B** - two end aprons, 6-1/4 in long.
- T** - one 40 in top board.
- R** - one 35 in rear rail; lower edge 6 in above the floor.

Keep upper edges flush, recess outside apron faces 1/4 in and centre T for equal overhangs. This original plan uses common frame construction; all drawings and instructions were prepared for GrainBench.