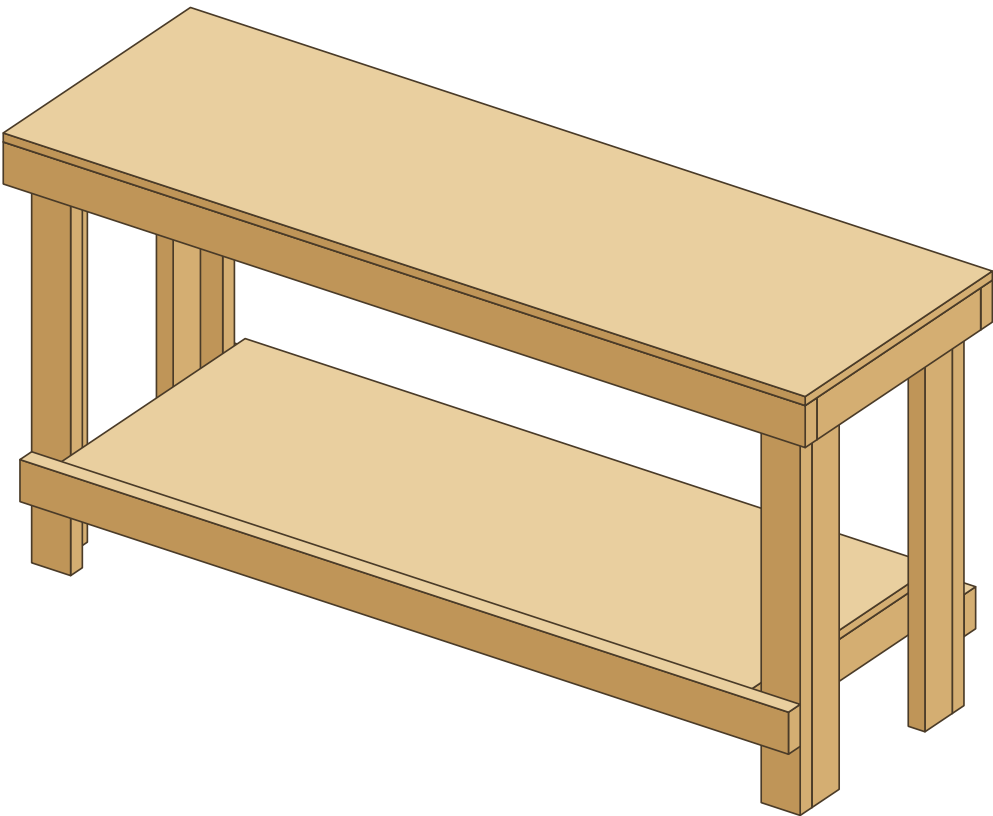


FREE PLAN

6 ft Long x 24" Deep Workbench, 36" High

Step-by-step build plan with dimensioned drawings



Top	6'-0" long x 24" deep, 36" high (12 sq ft)
Shelf	10" off the floor, 10 sq ft, 21-3/4" clear under the top frame
Legs	4: L-shaped 2x4 corner legs
Materials	2x4 lumber and 3/4" plywood
Plan ID	WB-72x24x36

Not engineered. Check local codes. Build at your own risk. These plans show one way to build this project. They are not reviewed by a licensed professional. You are responsible for checking local rules, your materials and your own safety.

Free vs Premium

This free plan has everything you need to build the workbench. The Premium plan adds the shopping list and the cut planning for every board and sheet, so you buy the right materials the first time.

What you get	Free	Premium
Step-by-step instructions	7 steps	11 steps
Cut length for every board (in the steps)	✓	✓
Elevations and framing drawings with dimensions	✓	✓
3-D assembly figure for each build step	✓	✓
Exploded assembly view with part legend	—	✓
Full cut list table (part, qty, length, stock)	—	✓
Board-by-board cutting diagram for 8 ft stock	—	✓
Plywood sheet layout (4x8)	—	✓
Shopping list: boards and sheets to buy	—	✓
Screw counts by size	—	✓
Height fitting, add-ons, finish and care	—	✓

Get the Premium plan — \$19.99

One-time purchase. Instant PDF download.

Need a different size?

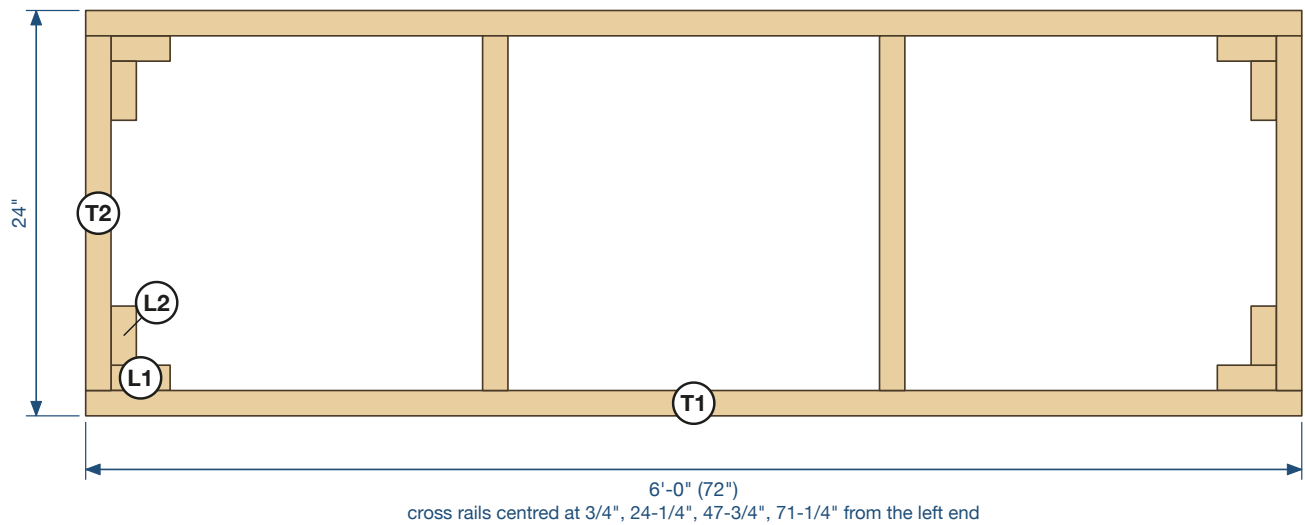
We generate this plan for other lengths, depths and heights too, with the cut list and shopping list recalculated for the new size.

FRONT ELEVATION

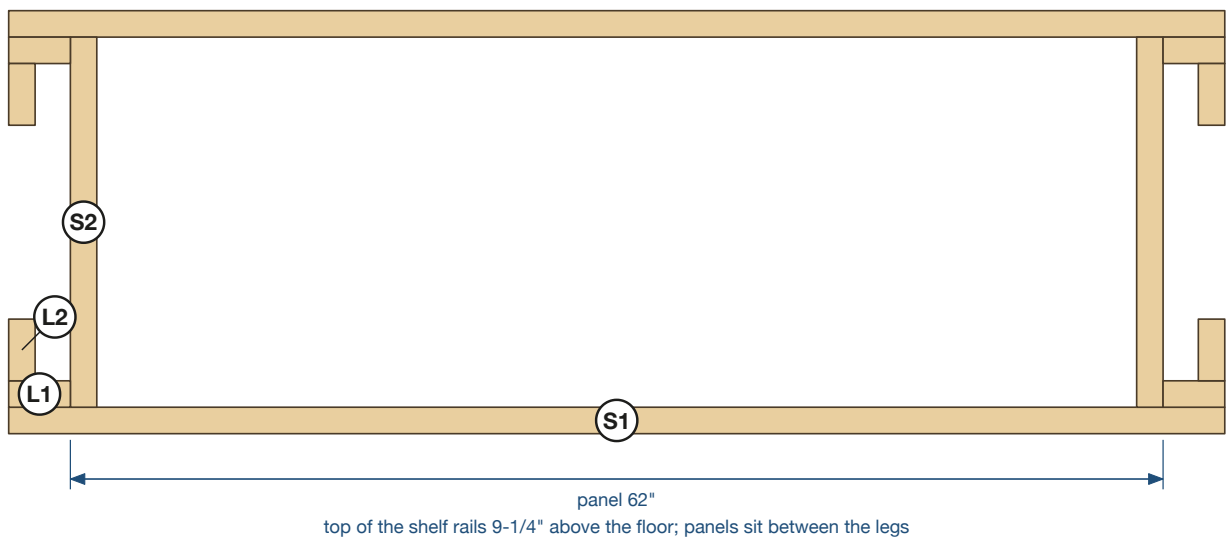


Drawings · top frame and shelf frame

TOP FRAME AND LEGS (from above, plywood top removed)



SHELF FRAME AND LEGS (from above, shelf panels removed)



Part key

Every part has a code. The first letter is the assembly: T top frame, L legs, S shelf frame, P plywood.

Part	Name	Stock
T1	Top long rail	2x4
T2	Top cross rail	2x4
L1	Corner leg, front/back piece	2x4
L2	Corner leg, side piece	2x4
S1	Shelf long rail	2x4
S2	Shelf cross rail	2x4
P1	Top	3/4" plywood
P2	Shelf panel	3/4" plywood

Build steps

1 Cut the parts

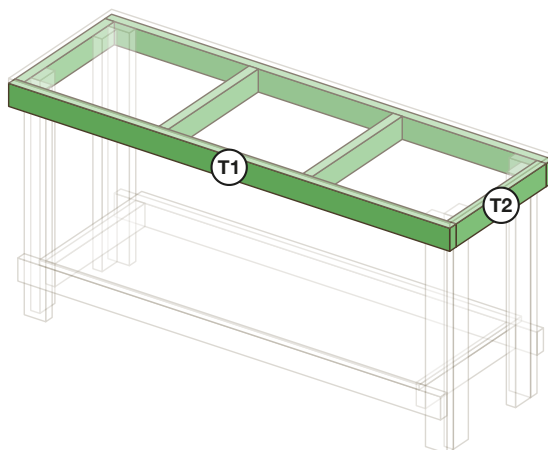
Cut every 2x4 to length and label each piece with its part code.

- 2 x top long rail (T1) — 2x4, cut to 72"
- 4 x top cross rail (T2) — 2x4, cut to 21"
- 4 x corner leg, front/back piece (L1) — 2x4, cut to 35-1/4"
- 4 x corner leg, side piece (L2) — 2x4, cut to 35-1/4"
- 2 x shelf long rail (S1) — 2x4, cut to 69"
- 2 x shelf cross rail (S2) — 2x4, cut to 21"

Check each board for crown (the bow along its edge) and keep the crown up on the long rails.

2 Build the top frame

- Lay the two top long rails (T1) on edge on a flat floor, 24" apart outside to outside.
- Fit the top cross rails (T2) between them: one flush with each end, the rest evenly spaced, centred at 3/4", 24-1/4", 47-3/4", 71-1/4" from the left end.
- Glue and drive 2 #9 x 3" screws through the long rails into each cross rail end. Check that both diagonals read 6'-3-7/8".



Green: parts added in this step. Faint outline: parts added later.

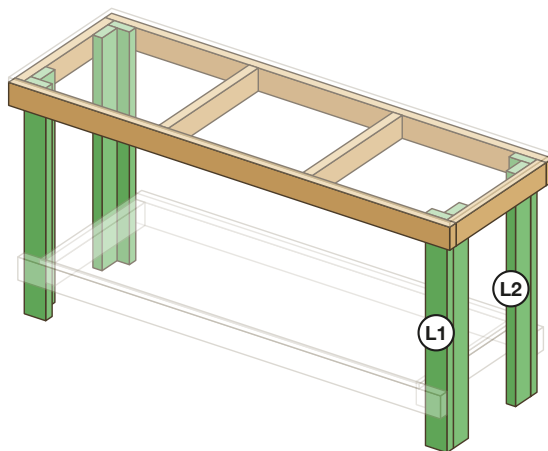
3 Make the corner legs

- Each corner leg is two 2x4s glued and screwed into an L: the front/back piece (L1) and the side piece (L2), both 35-1/4" long.
- Lay the front/back piece flat. Stand the side piece on its edge on it, flush with one long edge and both ends. Glue and drive 4 #9 x 2-1/2" screws through the front/back piece into the side piece's edge.
- All four corner legs are the same; turn them to fit each corner.

Build steps (continued)

4 Fit the legs

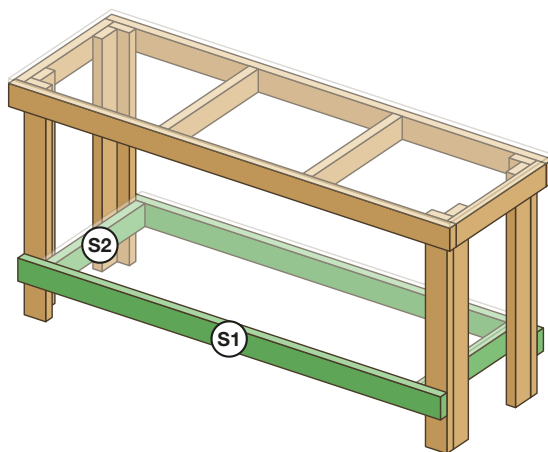
- Turn the top frame upside down on the floor. Stand a corner leg in each corner, inside the frame: the front/back piece against the long rail and 1-1/2" in from the end, the side piece against the end cross rail.
- Clamp, check the leg is square to the frame, then drive 2 #9 x 2-1/2" screws through the long rail into the front/back piece and 2 through the end cross rail into the side piece.



Green: parts added in this step. Faint outline: parts added later.

5 Fit the shelf frame

- Mark each leg 9-1/4" from its bottom end. The top edge of the shelf rails goes on this mark; the shelf panel sits on top of them.
- Screw the shelf long rails (S1) on edge to the outside of the front and back leg pieces with 2 #9 x 2-1/2" screws into each leg.
- Fit the shelf cross rails (S2) between them against the inside faces of the legs, and screw through the long rails into their ends.

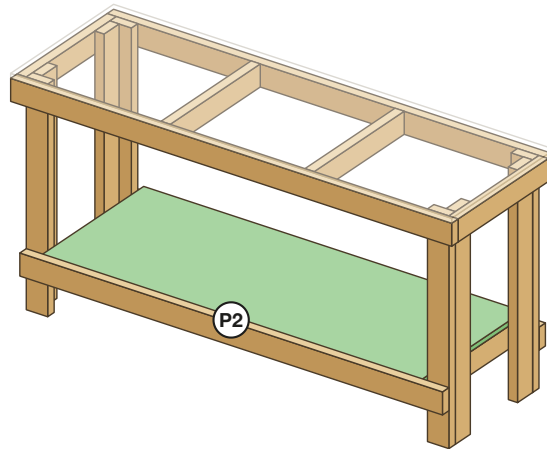


Green: parts added in this step. Faint outline: parts added later.

Build steps (continued)

6 Stand it up and fit the shelf

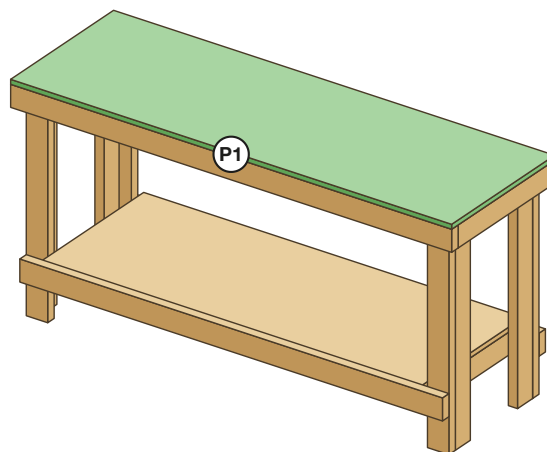
- Turn the bench over onto its legs. Check the frame is level both ways; shim or trim a leg if your floor is out.
- Drop the shelf panel (P2) onto the shelf frame between the legs: 62" x 23-7/8".
- Push each panel tight to the front rail. It is 1/8" shallower than the top so both rip from one sheet; the gap is at the back.
- Screw it down every 8" into the rails with #8 x 1-1/4" screws.



Green: parts added in this step. Faint outline: parts added later.

7 Fit the top

- Lay the plywood top (P1), 72" x 24", on the frame with the best face up, flush on all four sides.
- Screw it down every 8" into the long rails and the cross rails with #8 x 1-1/4" screws. Countersink the heads so they sit below the surface.
- Sand the edges and corners smooth.



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About this plan

Not engineered. Check local codes. Build at your own risk.

All dimensions, the cut list and the shopping list in this plan are calculated from the size you chose. They were not test-built at this exact size. Measure your actual lumber before cutting, because dressed sizes vary between mills and stores.

Lumber and plywood sheets can be heavy. Lift with help, wear eye protection when cutting, and follow your tool manufacturer's instructions.

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