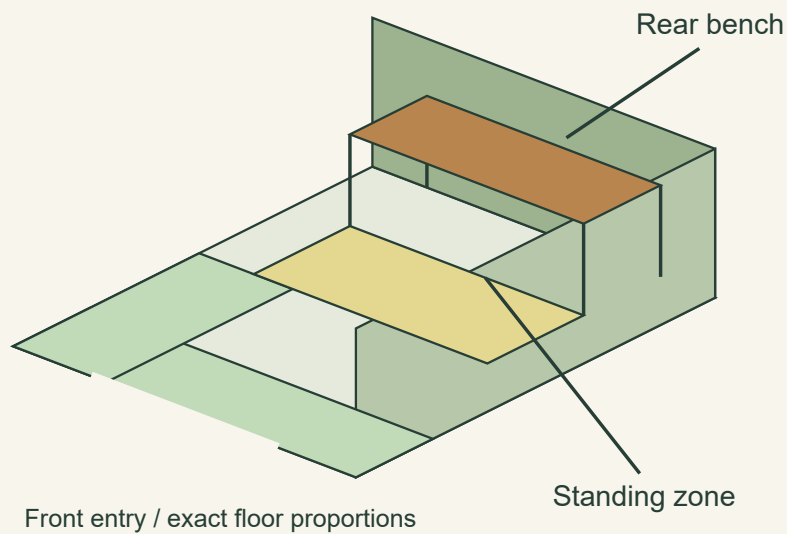


8×10 Bench Workshop Shed

A compact workshop organized around a rear bench and reserved standing space. Compare the shown 60 in bench with a longer one before adding fixed machines or more storage.

P05 / LAYOUT REFERENCE

A workshop centered on the bench



Rear bench, standing zone and entry reservation are separate.

Original cutaway schematic using the plan inputs. Shown wall height is illustrative; construction is not specified.

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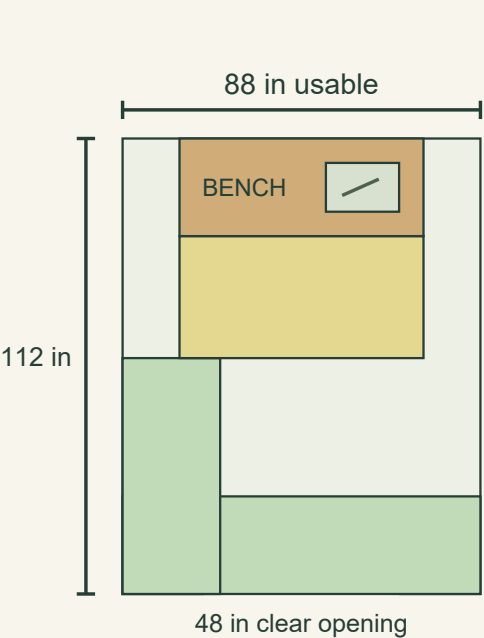
Consider this direction: Small repair or craft tasks centered on one workbench.

Resource scope: Original example inputs, layout diagrams and a measurement checklist. No cut list, structural details or permit determination.

A bench-led arrangement

P05 / LAYOUT REFERENCE

Where does the bench fit?



TOP VIEW / FRONT AT BOTTOM

Rear bench 60 × 24 in

Standing depth 30 in

Entry/side aisle 24 in

Reserved zones: clear

Turning: unassessed

These reservations do not establish safe machine clearances.

A 60 × 24 in bench leaves 14 in at each end of the 88 in rear wall.

Plan view from the workshop evaluator. Those end gaps are calculated space, not required working clearances.

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The 60×24 in bench sits at the rear, with a separate 60×30 in standing zone directly in front. The remaining floor is not a promise of additional machine capacity.

The 14 in spaces at the bench ends come from $(88-60)\div2$. They are a consequence of this centered arrangement, not a manufacturer recommendation.

An 18×12 in tray at (50,94) in plan coordinates parks small hand tools within the bench surface. It is not an extra floor cabinet, storage capacity rating or checked shelf load.

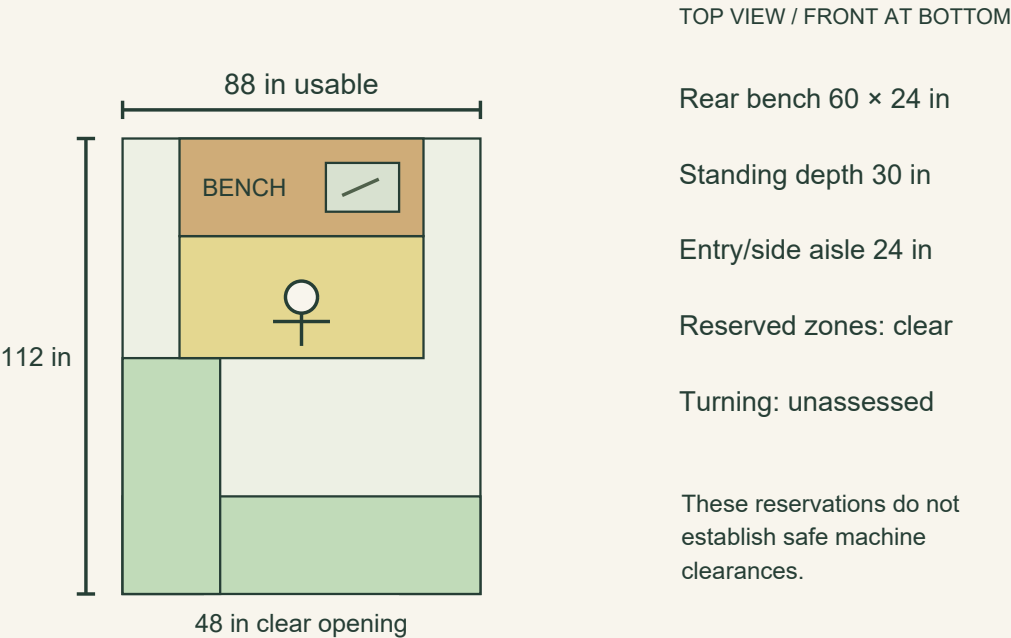
8×10 ft is nominal. This study uses an independent 88×112 in interior and a 48×78 in clear opening. No wall assembly or roof height is inferred.

Origin: front-left usable interior. Bench (14,88), standing zone (14,58), entry (0,0), side aisle (0,0), in inches. Usable/clear opening height: 78/78 in. Example material length: 48 in.

Enter, stage and work

P05 / LAYOUT REFERENCE

What space is reserved for work?



The 30 in standing zone and 24 in entry/side aisle remain clear of the bench.

Reserved zones pass the displayed rectangle checks. Actual approach, turning and safe working clearance remain unassessed.

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The evaluator preserves a 24 in entrance cross-aisle, a side reservation and the bench standing area without overlapping the workbench.

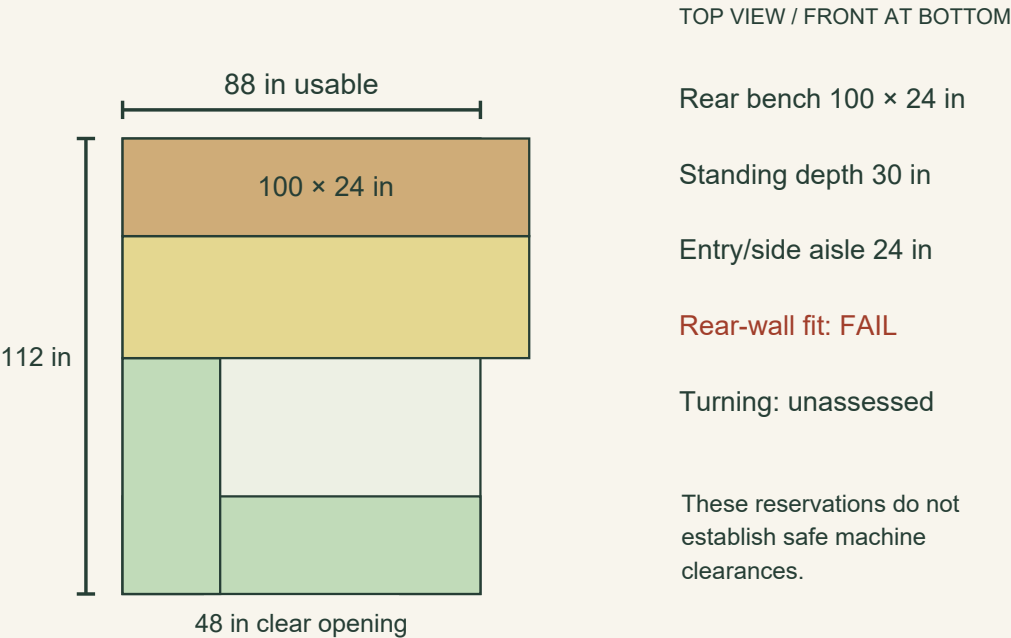
A 48 in example material length is screened along the interior length. Carrying it around a turn, reaching the bench, feeding a machine and working safely require separate checks with the actual materials and equipment.

The illustrated task is a small hand-tool repair: stand in front of the bench, lift a tool from the tray, work on the remaining surface, then return the tool. The person symbol is illustrative; only the disclosed standing reservation is measured. No mobile or fixed machine is selected.

A longer bench changes the answer

P05 / LAYOUT REFERENCE

Can a 100 in bench use this layout?



The longer bench extends beyond the 88 in usable rear wall.

Only bench length changes from 60 to 100 in. Revise the bench or the interior and re-evaluate.

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The same room with a 100 in bench fails the rear-wall fit. The comparison changes one input so the reason stays visible.

A smaller bench or a larger verified interior is the next test. Adding machinery also needs a fresh arrangement with its operating envelope; do not count the open floor twice.

Measure before choosing

1. Measure the bench, tool storage and working movements.

2. Check material turning, real entry and individual workstation access.

3. Re-evaluate every machine with its manual and operating envelope.

4. Check power, dust collection, ventilation, floor loads and local requirements.

Sources and file identity

ShedBuildPlans — Original study inputs and calculation method. Checked 2026-09-14.

<https://shedbuildplans.com/methodology/>

Project P05 · Study 2026-09-14-r3-v1 · Geometry 2026-09-14-r3-v1-geometry. All technical measurements in this original study are labelled example inputs or calculated values.