12×16 Storage + Hand-work Shed

Store the mower inside, roll it out, then use the rear bench. The larger shell adds a place to work, but the parked mower and the standing area overlap.

Will you move the mower outside before starting bench work?

Find the rear bench, the standing reservation and the mower. Their overlap explains the operating sequence; the extra floor area alone does not.

What the study shows

Dimensioned layout example

The bench and mower fit as objects, but the parked mower occupies 4 in of the selected standing depth. This is a move-the-mower-first workshop arrangement.

The outdoor staging location and actual bench work movements are not tested by the indoor rectangles.

Good for
A storage-first shed with occasional hand-tool work.

The key trade-off
The mower must move outside before the rear bench can be used.

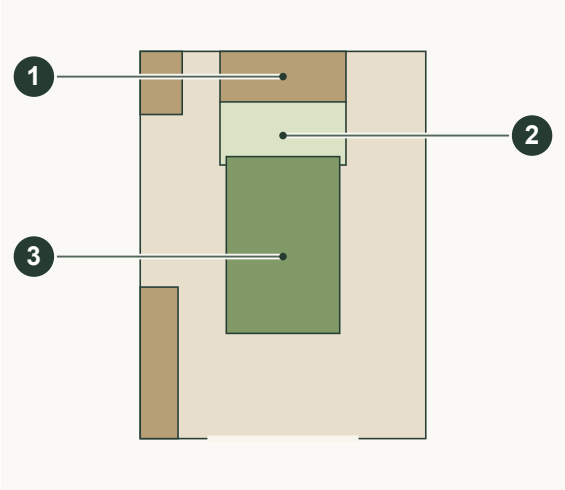
Reference material, not construction plans. Drawings disclose selected assumptions; they do not establish structural design, permit approval or species capacity.

Parked arrangement

Switch to work

What the extra space buys

The mower and the bench share part of the floor



Read the example inputs. Four inches of the standing zone meet the parked mower.

The parked mower overlaps four inches of the bench standing zone.

1. Rear bench

A 60×24-inch bench sits on the rear wall. This example addresses occasional hand work, not a machine workshop.

2. Standing reservation

The selected 60×30-inch area is for the person using the bench. Four inches of its depth overlap the parked mower.

3. Mower to move first

The 54×84-inch parked footprint reaches into the standing area. Move it outside before using that reservation.

> **Try this with your own measurements**
>
> Mark both the mower footprint and your standing position on the floor before choosing the bench location.

Roll out the mower, then use the rear bench

Change from storage to work, then back

01

Clear the working floor

Move the mower through the full opening to a suitable outdoor staging location.

02

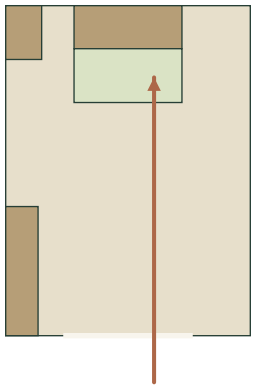
Use the rear bench

Carry tools to the bench and use the standing reservation vacated by the mower.

03

Reset before parking

Clear tools and materials from the standing zone before returning the mower.



Roll out, then work. Remove the mower before using the bench reservation.

This arrangement changes from storage to workshop in stages.

Before working

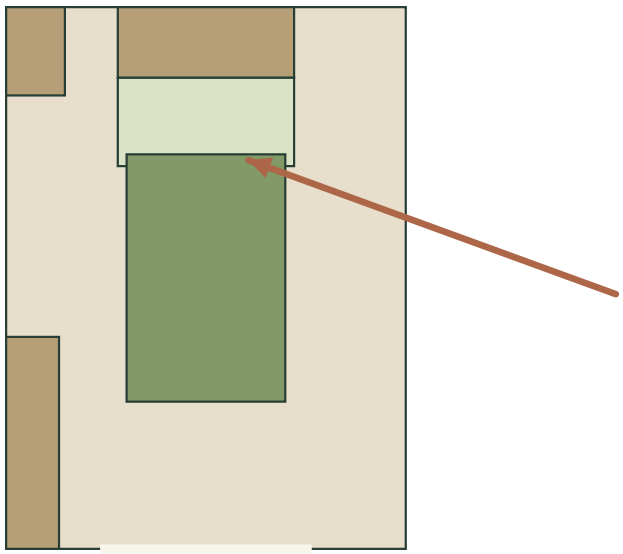
Move the mower through the full opening to a suitable outdoor staging location, then carry the tools to the bench.

Before parking again

Finish the task and clear the standing zone before returning the mower.

> **Try this with your own measurements**
>
> Test the complete outdoor staging and return route. The diagram only checks the indoor rectangles.

A bench and a wider opening, not simultaneous use



What the larger shell changes. Same three stored objects, plus a bench and a wider opening.

The extra floor buys a bench and a wider opening, with a change of routine.

What stays the same

The mower, shelf and bin keep their original sizes. The bench is an additional object.

What changes

The interior grows from 112×136 to 136×184 inches; the opening grows from 64 to 72 inches. The mower still leaves before bench work.

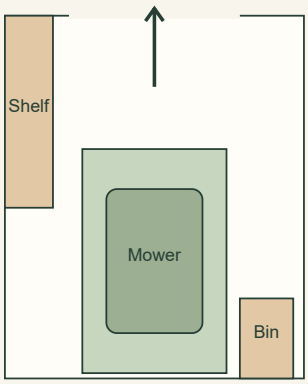
> **Try this with your own measurements**
>
> Decide whether moving the mower every time you work is acceptable for your actual routine.

The same items, with a different work sequence

Same stored items. A different work sequence.

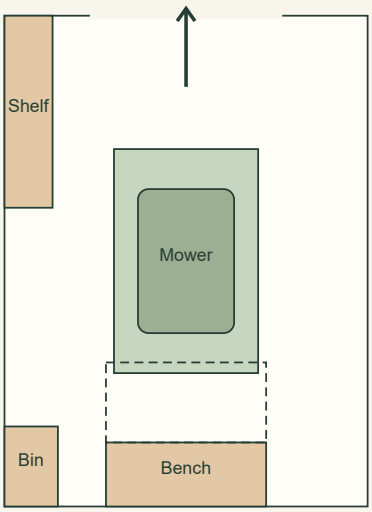
Authored layout studies · same scale · all dimensions in inches

P01: 112 × 136 usable example



Front opening: 64

P02: 136 × 184 usable example



Front opening: 72

Dashed: 60 × 30 standing reservation

Shared: 54 × 84 mower · 18 × 72 shelf · 20 × 30 seasonal bin

P02 adds a 60 × 24 bench and changes the opening from 64 to 72.

Its parked mower overlaps the standing reservation by 4 in: move it outside before work.

Rectangles show planning envelopes. Outside turns, structure and safe machine operation are not assessed.

P01 and P02 at the same scale with identical stored-item dimensions. P02 changes the interior and the clear opening from 64 to 72 inches, and adds a bench. Move the mower outside before using its standing reservation. Spatial checks, not construction or operating-clearance approval.

Study notes & exact inputs

The mower and the bench share part of the floor

Original diagram. Authored reference; inches unless marked unknown.

Mower 54×84 in; shelf 18×72; bin 20×30; bench 60×24. Coordinates start at the front-left: mower (41,50), shelf (0,0), bin (0,154), bench (38,160).

The standing reservation is (38,130), 60×30 in. These are example inputs, not measurements from a sold shed.

Solid objects. The mower and 60×24-inch rear bench fit as separate objects.

Space for the person. The selected 60×30-inch standing reservation extends into the mower’s parked footprint. Furniture fit does not establish simultaneous use.

Roll out the mower, then use the rear bench

Original diagram. Authored reference; inches unless marked unknown.

1. Open the full entrance and move the mower to a suitable outdoor staging location. 2. Carry the hand tools to the rear bench. 3. Finish and clear the standing zone before returning the mower.

The floor model checks rectangles and access. It does not assess machinery operation, exhaust, electrical work or the outdoor turn.

A bench and a wider opening, not simultaneous use

Original diagram. Authored reference; inches unless marked unknown.

P01 has 112×136 in usable floor and a 64 in clear opening. This P02 example has 136×184 in usable floor and a 72 in opening. The mower, shelf and bin keep their original dimensions; the bench is explicitly additional.

Extra floor area does not create simultaneous bench access with the mower parked. The working sequence is the deciding trade-off.

Decide whether a move-first workshop suits your routine

Use the drawings as a starting point. Record the result of each check before carrying this arrangement into your own plan.

1. Test the standing position

The 60×30 in standing reservation overlaps the parked mower by 4 in in depth. See the drawing

Measure or try

Mark your bench and standing position, including the tools and materials used during the task.

Change the arrangement if…

If work needs to happen with the mower inside, change the furniture arrangement; the present reservation cannot serve both uses together.

2. Give the mower somewhere to go

Bench work follows mower removal; the diagram ends before establishing a usable outdoor staging spot. See the drawing

Measure or try

Record the staging location and try the entire outward and return trip.

Change the arrangement if…

If there is no practical place to leave the mower during work, the illustrated work sequence does not resolve your problem.

3. Compare the routine, not just floor area

The larger example adds a bench and increases the opening from 64 to 72 in; it retains the same stored-item sizes. See the drawing

Measure or try

List how often you use the bench and which objects must move each time.

Change the arrangement if…

If frequent setup is unacceptable, prioritize independent work access when choosing a different arrangement.

Check the work state and the storage state

Standing position
Mark the bench footprint and the position of your body and tools during the task.

Outdoor staging
Establish a usable place for the mower during the whole work session.

Return route
Test the entrance, turn and parking sequence with everything put away.

Where this reference fits

- A storage-first shed with occasional hand-tool work.
- A task sequence that allows rolling the mower outside before work.

Trade-offs

- The parked mower overlaps the authored standing reservation by 4 in.
- The added bench is extra inventory; the larger opening is also a changed input.

Still to assess

- Measure usable interior, actual opening and equipment attachments.
- Check the outdoor staging space, threshold and turning route.
- Confirm bench use, ventilation, lighting and electrical needs separately.

Appearance & material choices

This interior deliberately shows the working state with the mower already outside. The empty central floor should not be mistaken for unused space in the parked arrangement.

Choose whether moving equipment is acceptable

The larger shed adds a rear bench, but its standing reservation overlaps the parked mower. Decide whether moving the mower to an appropriate outdoor staging area before every work session suits your routine.

Keep the work type specific

The timber bench and pegboard illustrate hand work. Power machinery, long stock, dust handling and installed services require their own equipment and operating-space review. No machine workshop specification is implied.

Declared facts & assumptions

Nominal exterior class only. All clear dimensions below are authored example inputs, not a product specification.

Usable width: 136 in

planning assumption · After authored wall allowance. [editorial]

Usable depth: 184 in

planning assumption · After authored wall allowance. [editorial]

Clear entry width: 72 in

planning assumption · Centered; 78 in authored clear height. [editorial]

Standing depth: 30 in

planning assumption · Authored reservation, not ergonomic approval. [editorial]

Parked overlap depth: 4 in

calculated · Mower rear at 134; standing zone begins at 130. [editorial]

Sources & current resource status

Original assumptions and diagram manifest

ShedBuildPlans · US reference; confirm local conditions · Checked 2026-09-14

Defines this study’s authored geometry and questions; not built-project evidence.

/project-resources/2026-09-14-r4-v2/editorial-manifest.json