

12x16 Gable Storage Shed

BUILDING PLAN SET - 192 SQ FT - VERSION 1.0.0

Important

This educational DIY plan template is not stamped engineering documentation. Confirm local permits, setbacks, wind and snow loads, footing depth, utility locations, and fastener schedules before construction.

Plan dimensions

Footprint	12 ft x 16 ft
Wall height	8 ft
Ridge height	11 ft 6 in
Roof pitch	6:12

Materials

Material	Quantity
2x6 pressure-treated floor joists	14
3/4 in tongue-and-groove floor sheathing	6 sheets
2x4 SPF wall studs	74
7/16 in OSB wall and roof sheathing	22 sheets
Asphalt shingles and underlayment	7 bundles + underlayment

Cut List

Part	Material	Length	Qty
Floor joist	2x6 PT	11 ft 9 in	14
Front and rear wall stud	2x4 SPF	92 1/4 in	48
Side wall stud	2x4 SPF	92 1/4 in	26
Rafter pair	2x6 SPF	7 ft 8 in	13

Construction sequence

01 - Prepare the foundation

Establish a level, compacted base sized beyond the shed footprint. Place the approved foundation system square to the planned building lines.

02 - Frame the floor

Assemble the treated 2x6 rim and joist system, square it by diagonal measurement, then fasten the floor sheathing with staggered seams.

03 - Raise and secure the walls

Frame front, rear, and side walls flat. Stand each wall, plumb it, brace it, and connect corners before installing wall sheathing.

04 - Frame and weatherproof the roof

Install rafter pairs to the marked layout, add roof sheathing, underlayment, shingles, and drip edge in the correct sequence.