THE DIYCRAFT PLAN COLLECTION

10 × 20

Garden Shed Plan



FREE PREVIEW

11 selected steps + model views

10 X 20 FT GARDEN SHED

Free vs Premium

These illustrated build pages are identical in both editions. Premium includes the complete build sequence.



Compare what is included

Features	Free plan	Premium
Steps included	**11**	**25**
Illustrations for included steps	✅	✅
Print-ready dimension pages	✅	✅
Step-by-step instructions	✅	✅
Complete build sequence		✅
Material and fastener lists		✅
Cut and joint drawings	✅	✅
Tools list		✅
Technical support		✅

BUY NOW

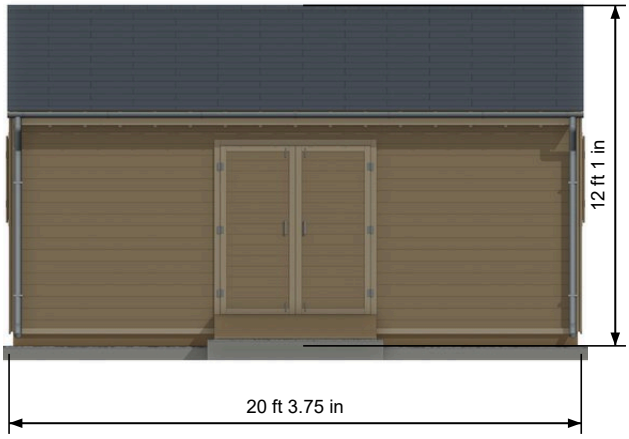
Design review draft; site and supplier details require verification.

DESIGN REVIEW DRAFT - CONNECTION / SITE DESIGN REQUIRED

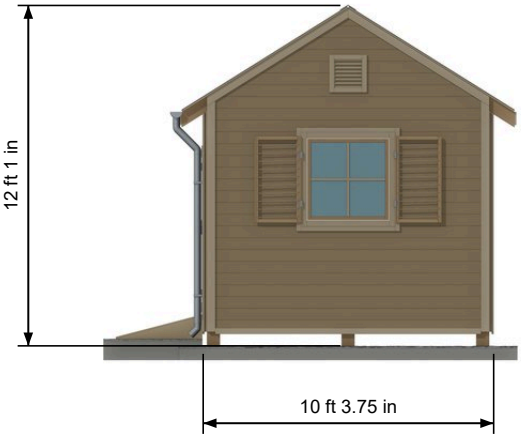
10 X 20 FT GARDEN SHED

Size & Dimensions

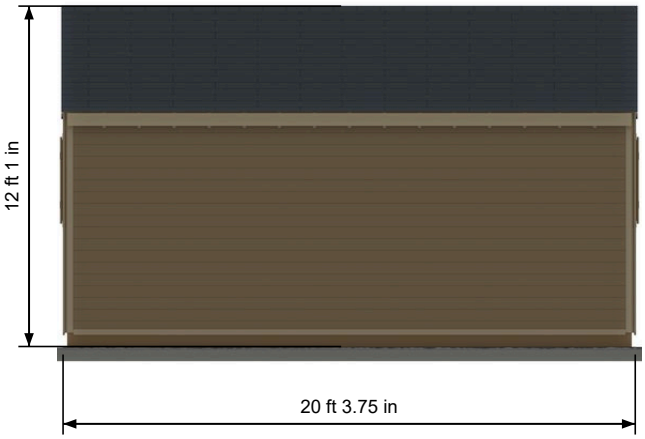
Front



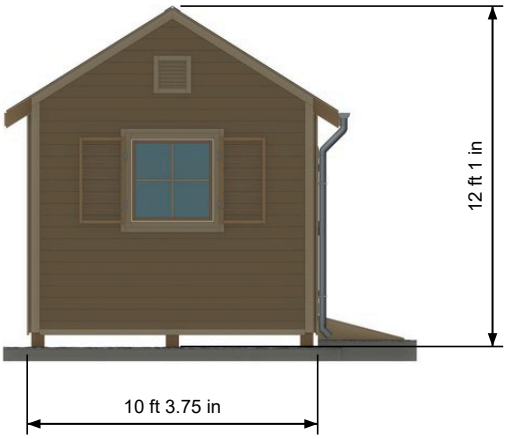
Right



Back



Left



MEASUREMENT BASIS

Width and depth are measured outside the finished siding and trim (243.74 in × 123.74 in). Height is measured from the main gravel bearing level to the highest roof surface (144.997 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - CONNECTION / SITE DESIGN REQUIRED

10 X 20 FT GARDEN SHED

Model View



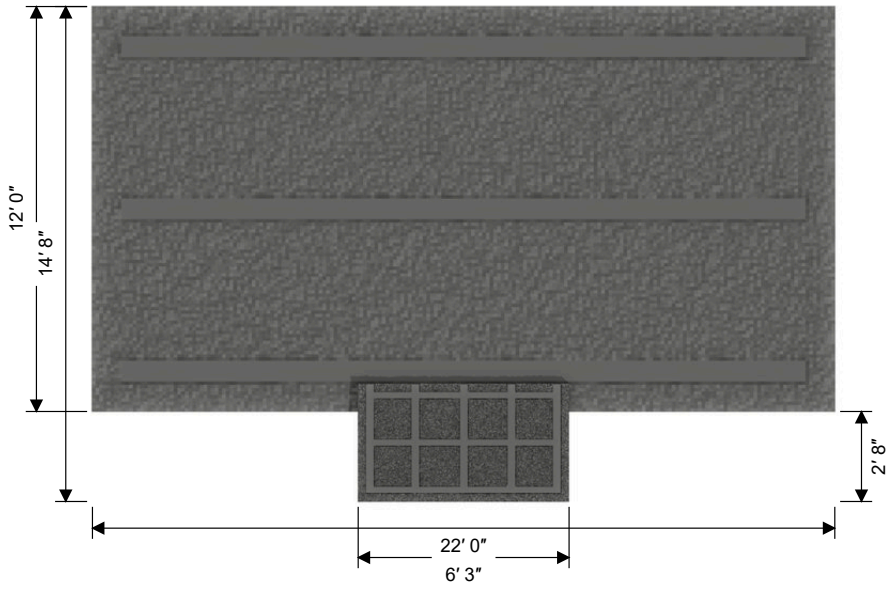
DESIGN REVIEW DRAFT. Source side-butted header has no jack bearing; connection capacity and site anchoring require design. Ground-contact skids replace imported masonry. Fitted glazing is 31.5 in square; purchased hardware is schematic. Owner-corrected full 245.000-in gutter and aligned depth-plane paired 45-degree connections (9 November 2026).

STEP 01 / 25

Compacted gravel pad

Compact the gravel pad and raised ramp approach to the footprint shown.

Gravel footprint



Assembly



Part / material	Cut / fitted size	Qty
Compacted gravel	6 in main pad; shaped ramp approach	5.50 yd3

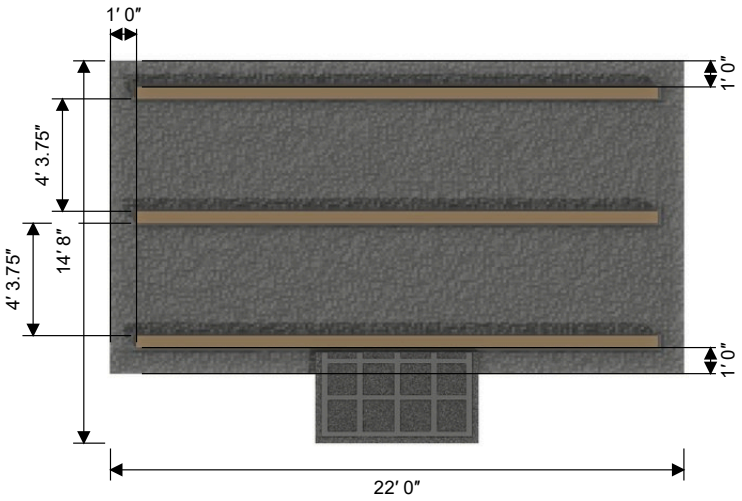
Six-inch main gravel pad at datum -2.845 in; raised ramp approach at +0.15 in. Site drainage, soil bearing and anchoring require local design.

STEP 02 / 25

Treated timber skids

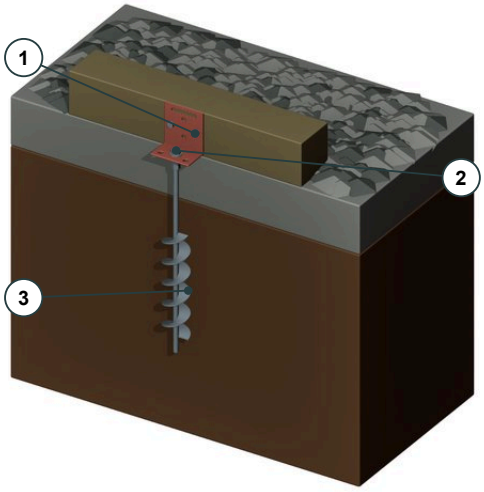
Lay the three treated skids on continuous gravel bearing and level them together.

Skid positions



Anchor the skid

Connection example - not to scale

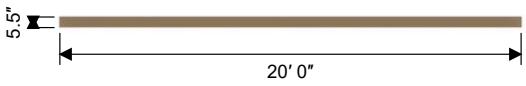


1 Fix the upright to the structural skid.
2 Bolt the foot to the anchor head.
3 Embed the spiral in soil below gravel.
Use the kit's specified timber fixings.
Anchor count and depth: per site design.

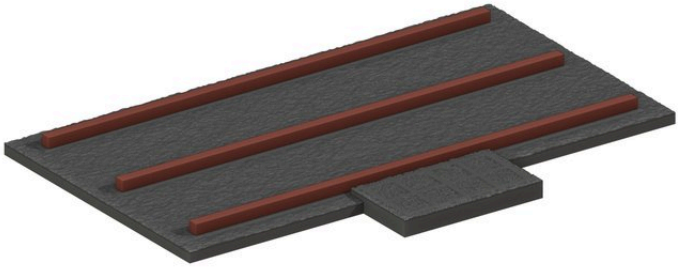
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



Part / material	Cut / fitted size	Qty
Ground-contact 6 x 6 skids	240 x 5.5 x 5.5 in	3
Ground anchors and skid brackets	Site/supplier-designed quantity and fixing schedule	Pending

Three ground-contact skids bear continuously on gravel. Anchors/brackets and connection capacity require site/supplier design; the connection picture is an undimensioned example.

STEP 03 / 25

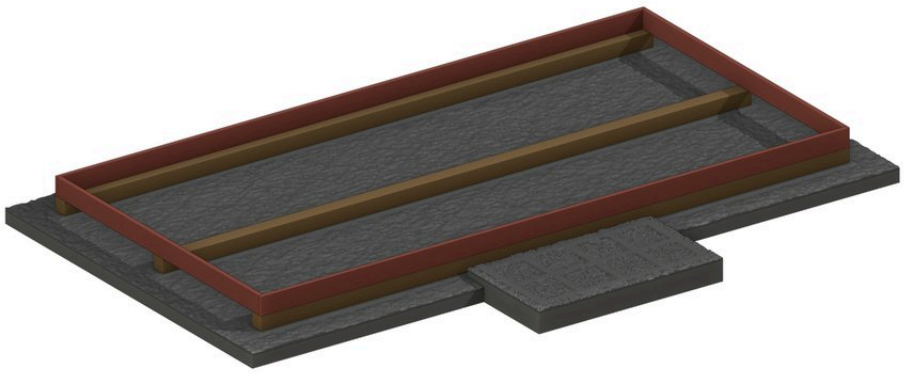
Floor perimeter

Assemble the floor perimeter and compare both diagonals before fixing the corners.

Floor perimeter



Assembly



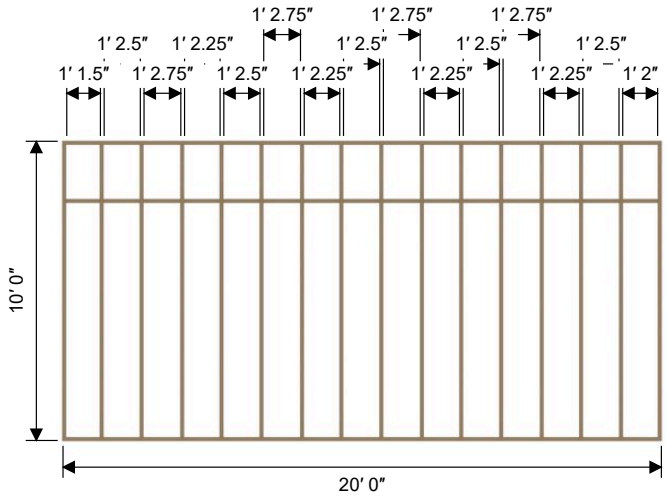
Part / material	Cut / fitted size	Qty
Long rims	240 x 7.25 x 1.5 in	2
End joists	117 x 7.25 x 1.5 in	2

STEP 04 / 25

Floor joists

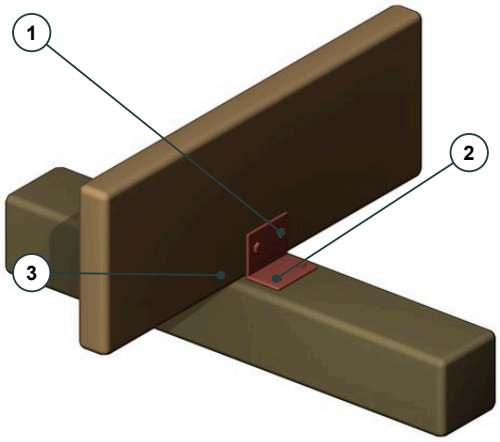
Install the interior floor joists at the clear spacings shown.

Joist layout and clear bays



Fasten the floor to the skid

Connection example - not to scale



1 Fix the upright into the joist side.
2 Fix the base down into the skid.
3 Keep the joist fully seated on the skid.
Use a rated connector and its listed fasteners at each specified connection.

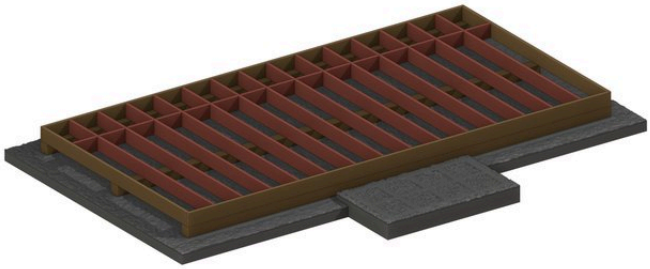
Hardware must suit treated timber.

Full skid foundation guide

Joist cut



Assembly



Part / material	Cut / fitted size	Qty
Interior joists	117 x 7.25 x 1.5 in	14
Seam backing / 1.5 x 7.25 in	13.5 in (1); 14 in (1); 14.25 in (4); 14.5 in (5); 14.75 in (4)	15
Joist-to-skid connectors	Site/supplier-designed quantity and fixing schedule	Pending

Keep the measured transverse backing at the 96 in floor-panel seam. Joists bear fully on all three skids; connector count and fixings require site/supplier design.

Skid foundation guide - connection examples and site design

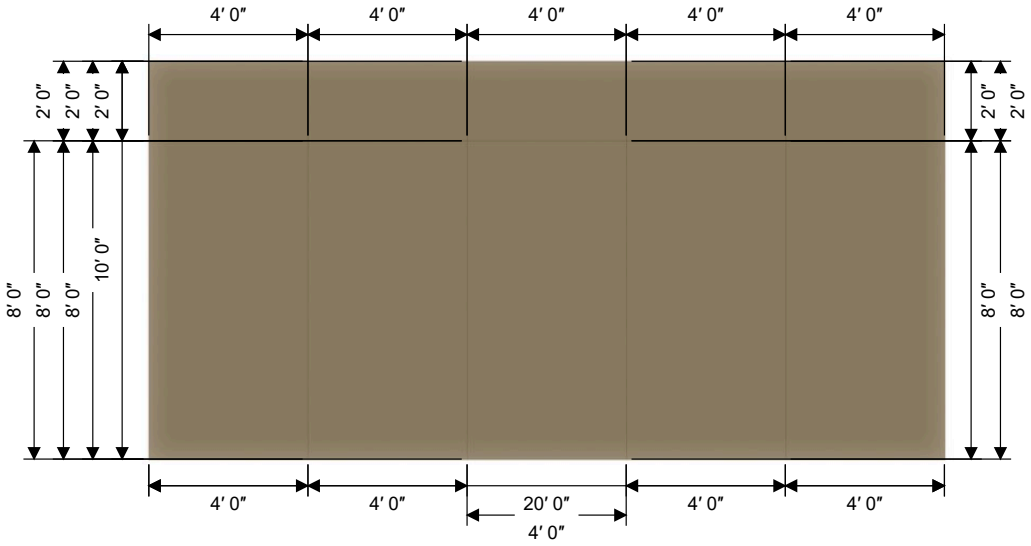
DESIGN REVIEW DRAFT - CONNECTION / SITE DESIGN REQUIRED

STEP 05 / 25

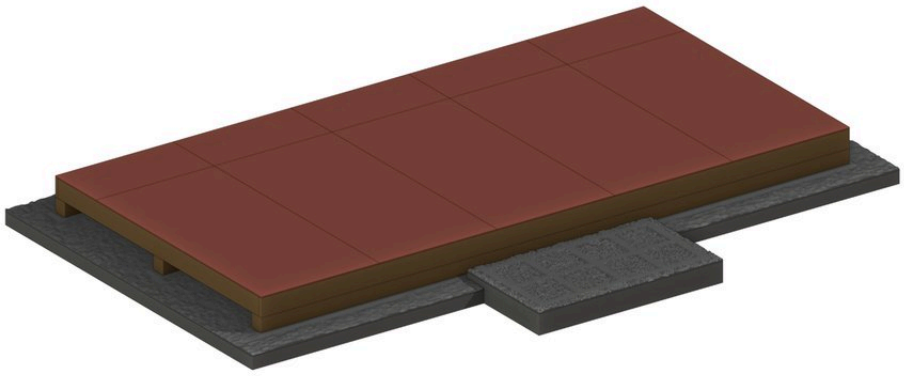
Floor plywood

Dry-fit the plywood panels with their joints supported, then fasten the floor deck.

Floor plywood layout



Assembly



Part / material	Cut / fitted size	Qty
Floor plywood, 9/16 in	48 x 24 x 0.562 in	5
Floor plywood, 9/16 in	96 x 48 x 0.562 in	5

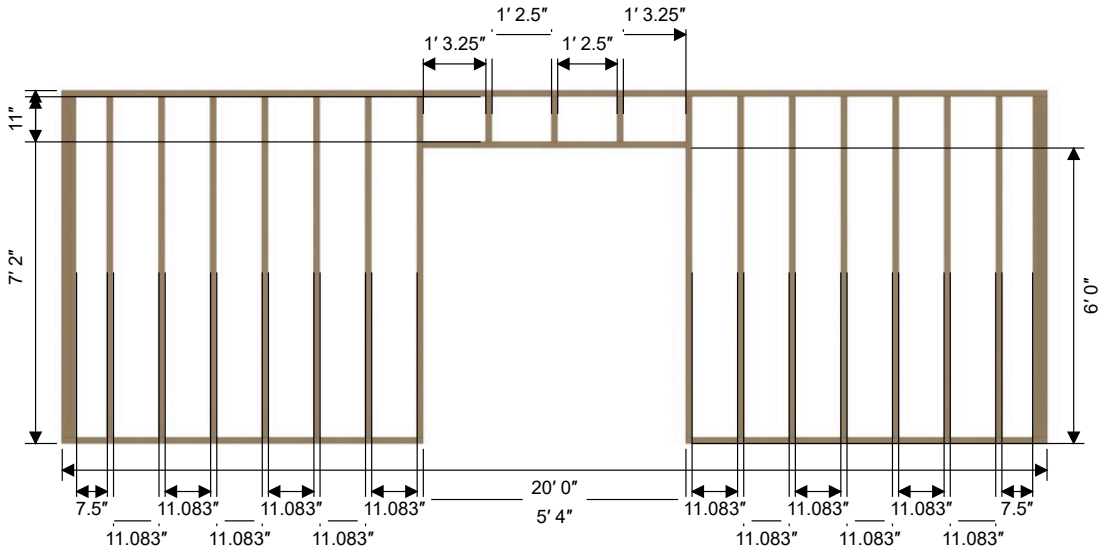
Ten installed pieces: five 48 x 96 in and five 48 x 24 in cuts.

STEP 06 / 25

Front wall framing

Assemble the front wall with its door header and short studs, then raise, plumb and brace it.

Front wall frame



Assembly



Part / material	Cut / fitted size	Qty
Short studs / treated timber	11 x 3.5 x 1.5 in	3
Side-butted header / treated timber	64 x 3.5 x 1.5 in	1
Full studs / treated timber	83 x 3.5 x 1.5 in	14
Bottom plates / treated timber	88 x 3.5 x 1.5 in	2
Top plate / treated timber	240 x 3.5 x 1.5 in	1
Corner posts / treated timber	83 x 3.5 x 3.5 in	2

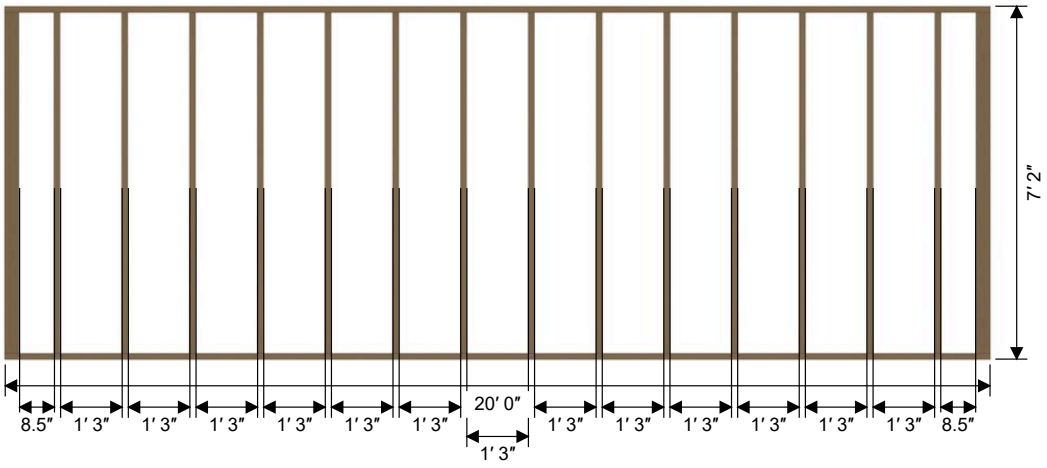
Source 64 in header is side-butted to full-height studs, without jack bearing. Obtain a designed header/connection schedule before construction.

STEP 07 / 25

Back wall framing

Assemble the rear wall square, then raise and brace it along the floor perimeter.

Rear wall frame



Assembly



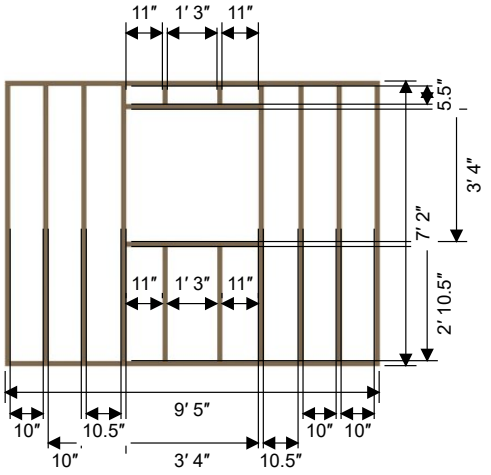
Part / material	Cut / fitted size	Qty
Full studs / treated timber	83 x 3.5 x 1.5 in	14
Top / bottom plates / treated timber	240 x 3.5 x 1.5 in	2
Corner posts / treated timber	83 x 3.5 x 3.5 in	2

STEP 08 / 25

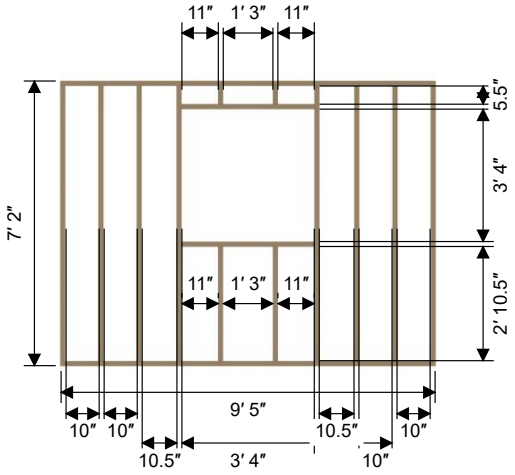
Side wall framing

Assemble the side walls around the window openings, then raise and brace all four corners.

Left wall frame



Right wall frame



Assembly



Part / material	Cut / fitted size	Qty
Upper window studs / treated timber	5.5 x 3.5 x 1.5 in	4
Lower window studs / treated timber	34.5 x 3.5 x 1.5 in	4
Window headers / sills / treated timber	40 x 3.5 x 1.5 in	4
Full studs (both walls) / treated timber	83 x 3.5 x 1.5 in	16
Top / bottom plates / treated timber	113 x 3.5 x 1.5 in	4

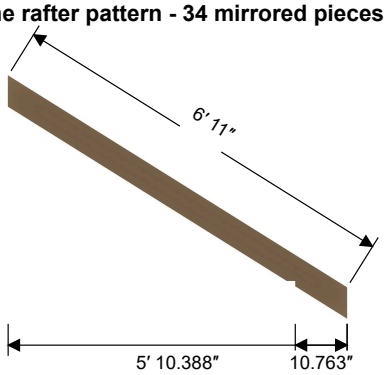
Use the short-stud lengths and clear bays above and below each window shown in the drawings.

STEP 10 / 25

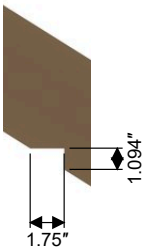
Rafters and collar ties

Cut the matching rafters, seat them on the top plates and install the collar ties.

One rafter pattern - 34 mirrored pieces



Triangular birdsmouth



15 collar ties



Assembly



Part / material	Cut / fitted size	Qty
Rafters	83 x 5.5 x 1.5 in	34
Collar ties	71.75 x 3.5 x 1.5 in	15

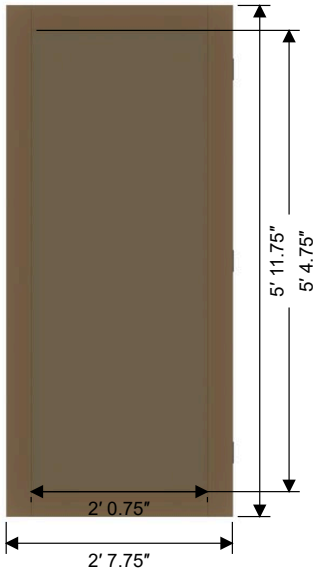
One triangular birdsmouth profile, mirrored for the other slope. Rafter pairs: 14.9062 in centres; roof pitch 32 degrees.

STEP 20 / 25

Door frames and plywood

Assemble both door frames square and attach their plywood faces.

Door frames - mirror for second leaf



Assembly



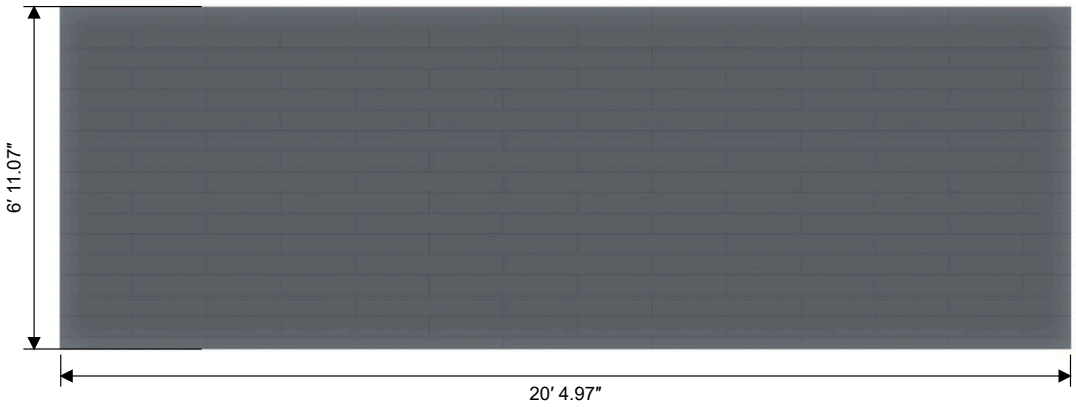
Part / material	Cut / fitted size	Qty
Door stiles / rails	71.75 / 24.75 x 3.5 x 1.5 in	4 / 4
Door plywood	71.75 x 31.75 x 0.5625 in	2

STEP 23 / 25

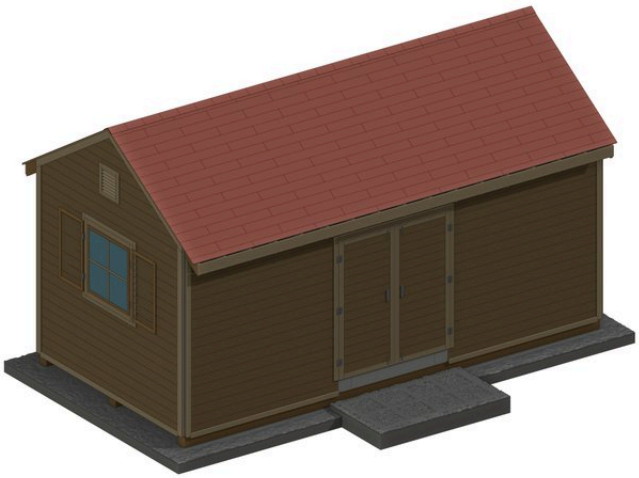
Shingles and ridge caps

Lay the shingles from the eaves up and finish the ridge with overlapping caps.

Shingle roof coverage



Assembly



Part / material	Cut / fitted size	Qty
Roof shingles	Net coverage before waste and laps	282 sq ft

Use the roofing product requirements for starters, exposure, fasteners and ridge laps.

10 X 20 FT GARDEN SHED

Copyright

DIYCraft

Practical plans for your next project.

Copyright

Copyright © 2026 DIYCraft. All rights reserved in the original text, illustrations and page artwork in this edition. You may save and print a copy for your own project. You may share a link to the official DIYCraft website. Do not resell, republish, upload or distribute this PDF or its artwork without written permission, except where the law permits. Third-party rights remain with their respective owners.

diycraft.store