THE DIYCRAFT PLAN COLLECTION

12 × 20

Garden Shed Plan



FREE PREVIEW

11 selected steps + model views

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 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

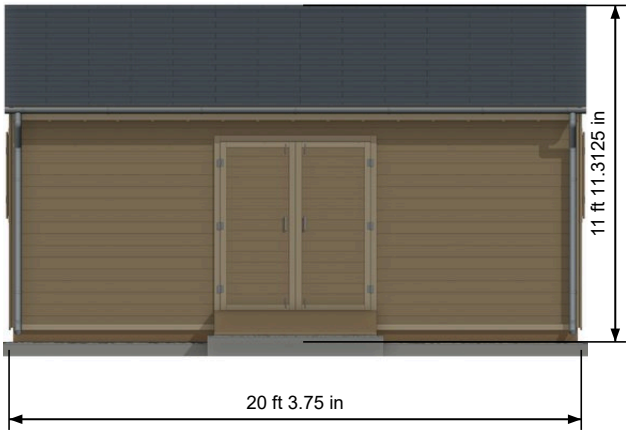
Design review draft; site and supplier details require verification.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

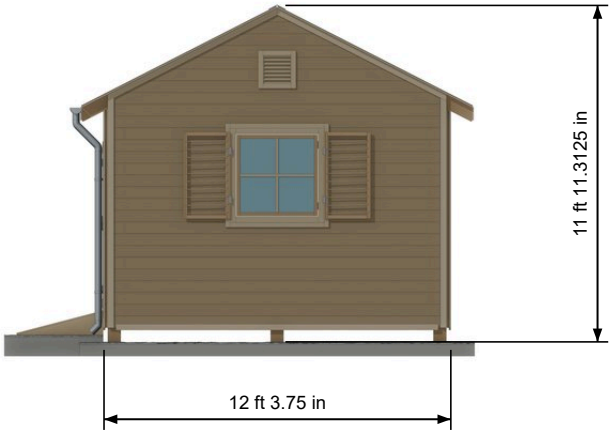
12 X 20 FT GARDEN SHED

Size & Dimensions

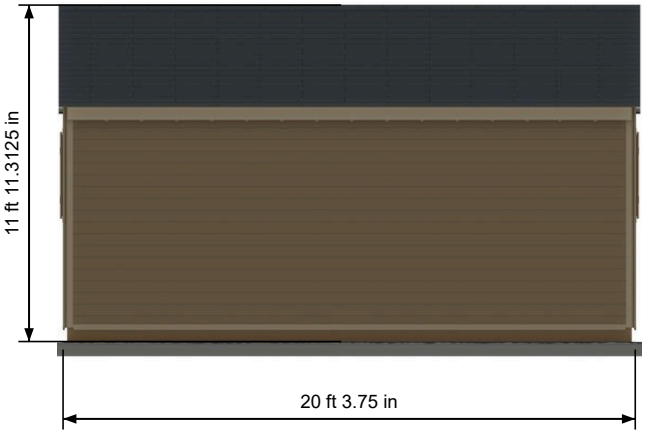
Front



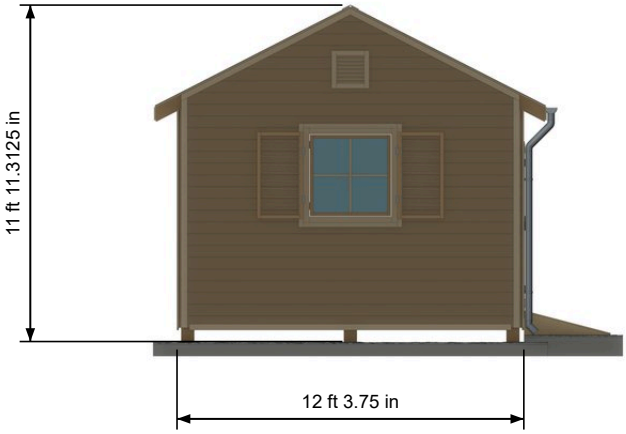
Right



Back



Left



MEASUREMENT BASIS

Width and depth are measured outside the finished siding and trim (243.74 in × 147.74 in). Height is measured from the main gravel bearing level to the highest roof surface (143.315 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 20 FT GARDEN SHED

Model View



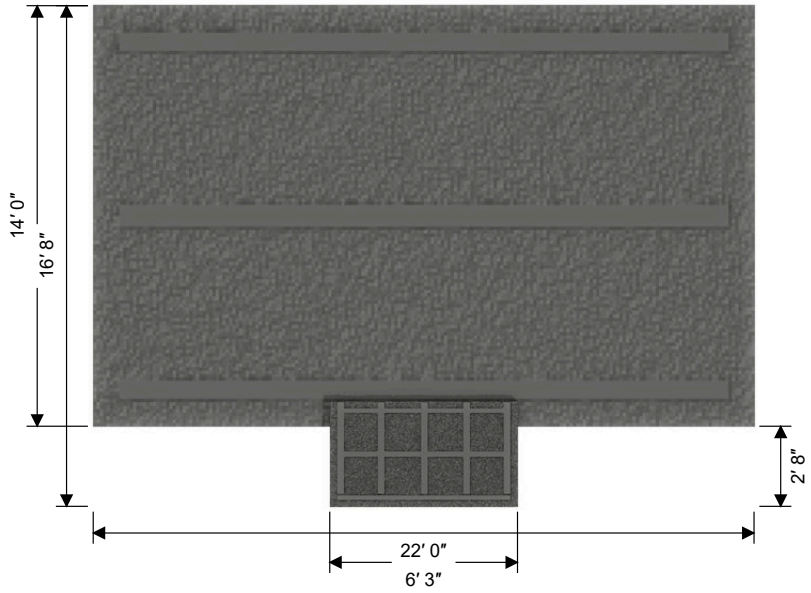


STEP 01 / 25

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	6.31 yd3

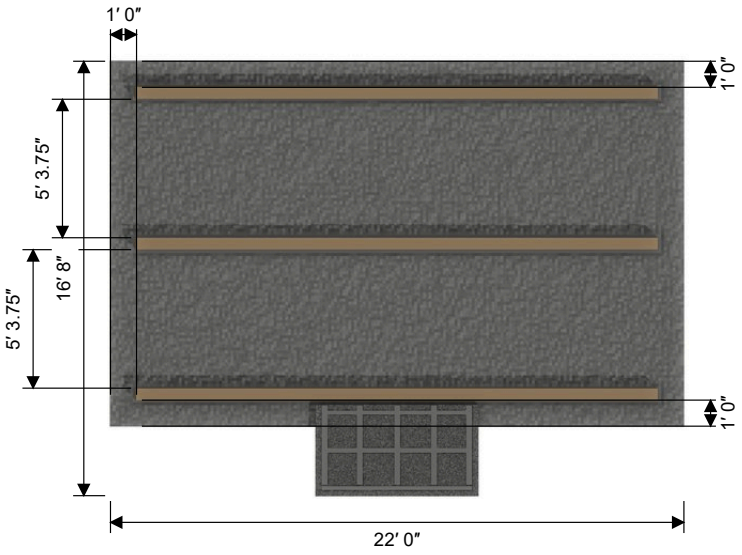
Keep all three skid bearing lines level; the ramp approach follows the local grade.

STEP 02 / 25

Treated timber skids

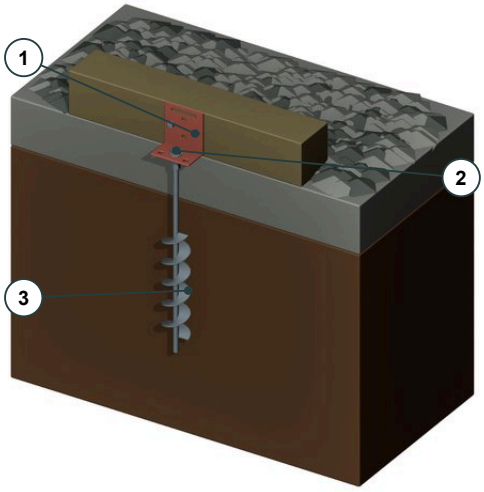
Lay the three treated skids on continuous gravel bearing and level them together.

Skid positions



Anchor the skid

Connection example - not to scale

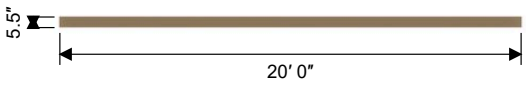


1 Fix the upright to the structural skid.
2 Bolt the foot to the anchor head.
3 Embed the spiral in soil below gravel.
Use the kit's specified timber fixings.
Anchor count and depth: per site design.

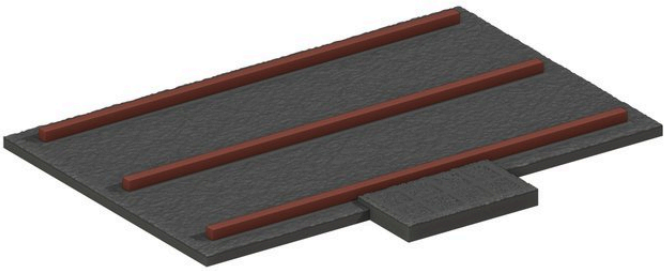
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



Part / material	Cut / fitted size	Qty
Skid	240 x 5.5 x 5.5 in	3

Three ground-contact nominal6x6 skids, actual5.5 x5.5 x240in, bear on the six-inch gravel pad. Y minima0,69.25,138.5in. Confirm soil, drainage, anchors and connections.

STEP 03 / 25

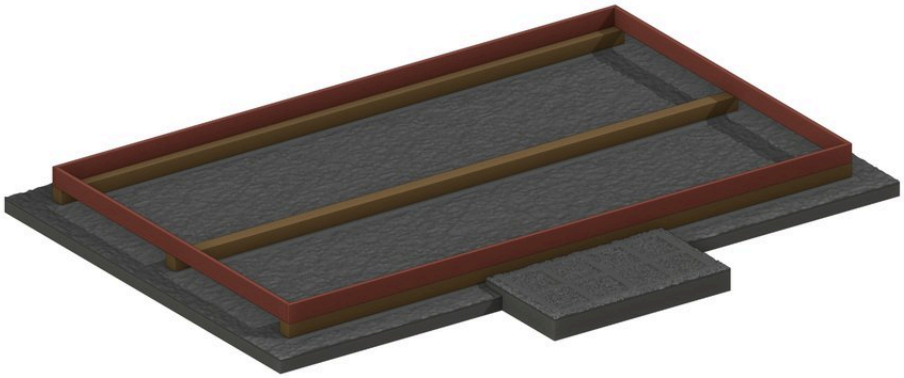
Floor perimeter

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

Floor perimeter



Assembly



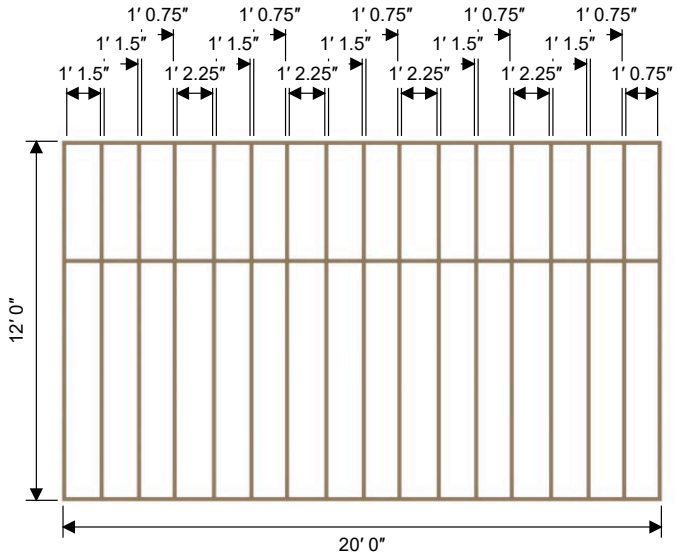
Part / material	Cut / fitted size	Qty
Floor perimeter	141 x 7.25 x 1.5 in	2
Floor perimeter	240 x 7.25 x 1.5 in	2

STEP 04 / 25

Floor joists

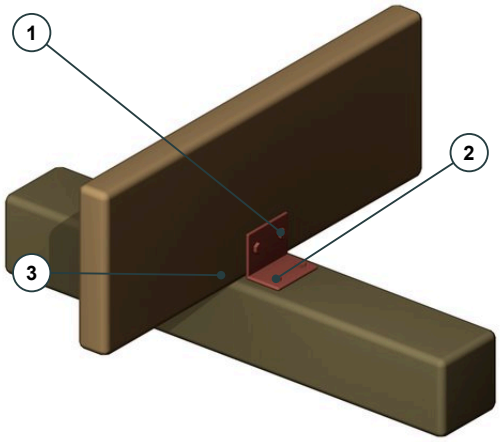
Install the interior floor joists at the clear spacings shown.

Joist layout and clear bays



Fasten the floor to the skid

Connection example - not to scale

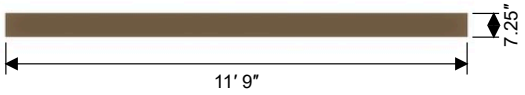


1 Fix the upright into the joist side.
2 Fix the base down into the skid.
3 Keep the joist fully seated on the skid.
Use a rated connector and its listed fasteners at each specified connection.

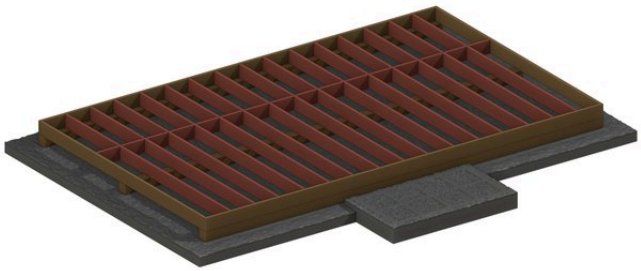
Hardware must suit treated timber.

Full skid foundation guide

Joist cut



Assembly



Part / material	Cut / fitted size	Qty
Interior joists /1.5x7.25in	141in	15
Seam backing /1.5x7.25in	12.75in (6); 13.5in (6); 14.25in (4)	16

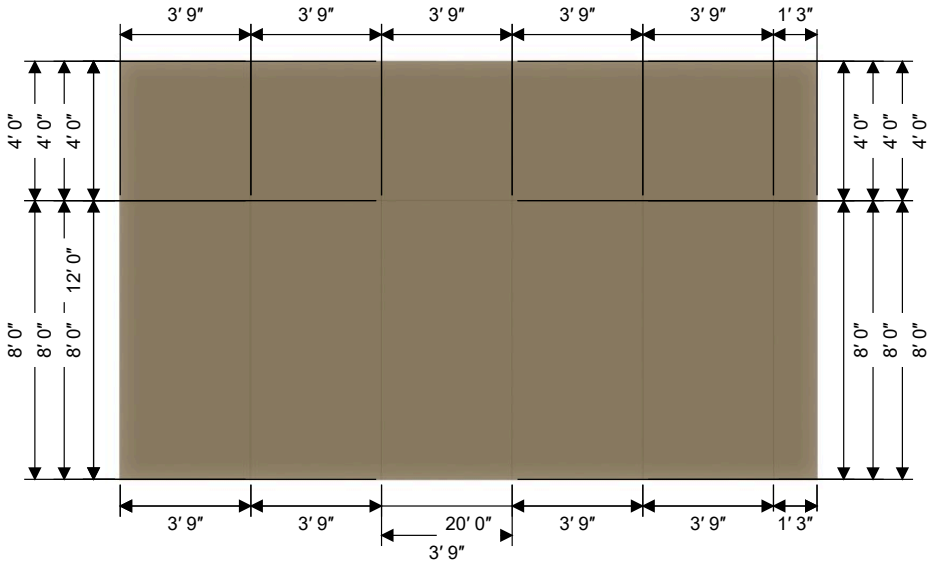
Actual1.5x7.25-in joists and measured seam backing support all twelve floor panels. Retain the96-in cross seam and shown joist/bay positions. Connection example requires site/supplier fixing design.

STEP 05 / 25

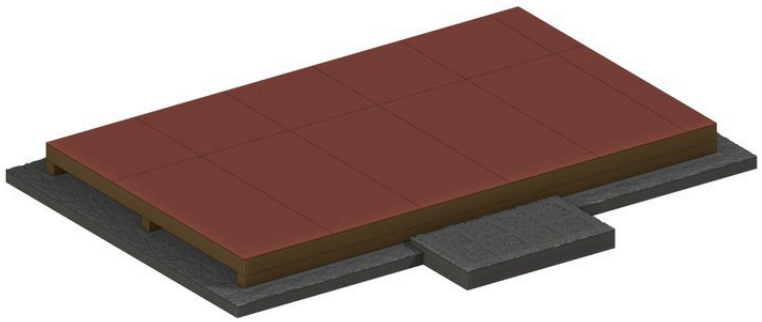
Floor plywood

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	48 x 15 x 0.562 in	1
Floor plywood	96 x 15 x 0.562 in	1
Floor plywood	48 x 45 x 0.562 in	5
Floor plywood	96 x 45 x 0.562 in	5

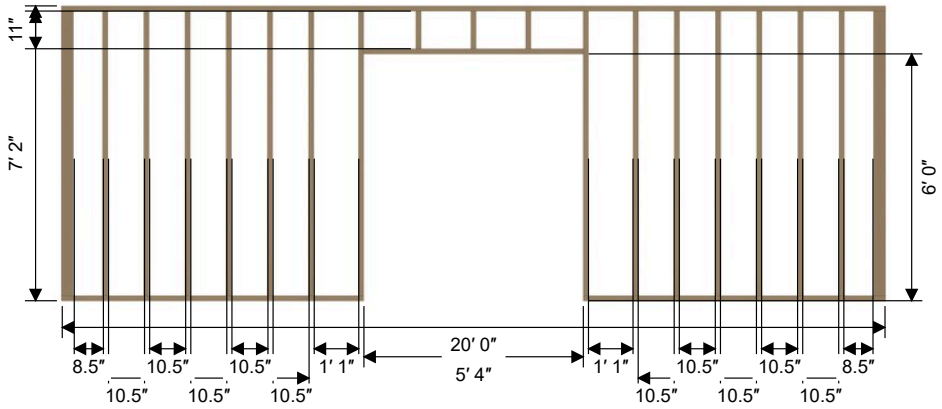
Twelve fitted9/16-in panels close the240-in frame; five45-in strips plus one15-in strip retain the governing source drawing. Select rated orientation, movement gaps and fasteners.

STEP 06 / 25

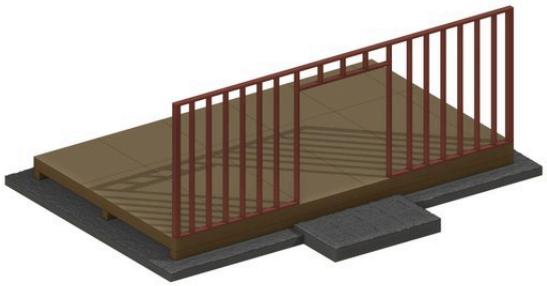
Front wall framing

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
Front framing	11 x 3.5 x 1.5 in	3
Front framing	64 x 3.5 x 1.5 in	1
Front framing	83 x 3.5 x 1.5 in	14
Front framing	88 x 3.5 x 1.5 in	2
Front framing	240 x 3.5 x 1.5 in	1
Front framing	83 x 3.5 x 3.5 in	2

The source64-in flat header is side-butted to full-height jambs without jack bearing. Main studs are83in; the actual upper cripples fit the source11-in nominal cut. Header and fixing capacity require design.

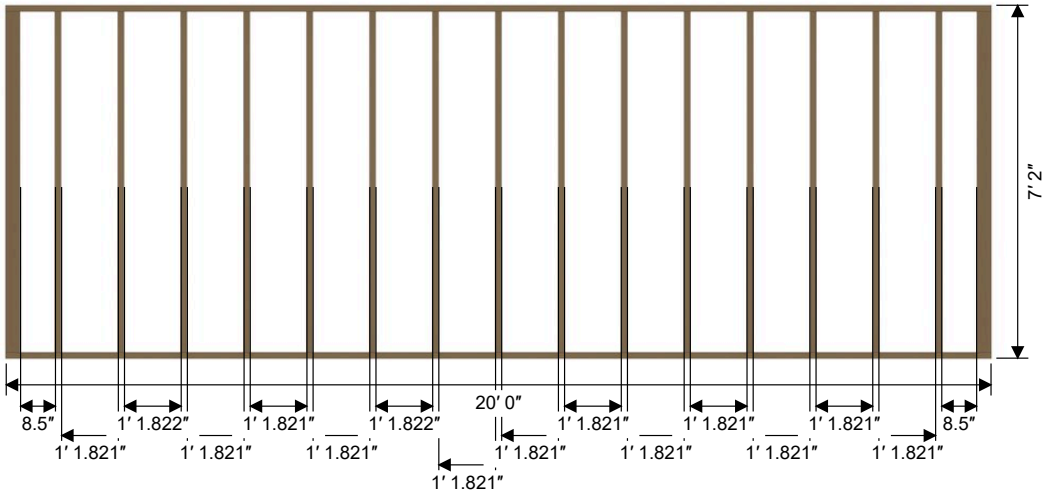
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 07 / 25

Back wall framing

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

Rear wall frame



Assembly



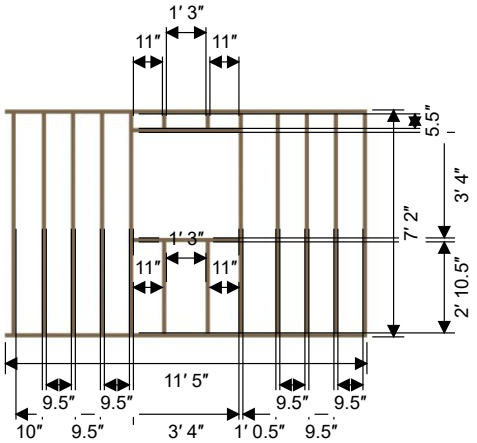
Part / material	Cut / fitted size	Qty
Rear framing	83 x 3.5 x 1.5 in	15
Rear framing	240 x 3.5 x 1.5 in	2
Rear framing	83 x 3.5 x 3.5 in	2

STEP 08 / 25

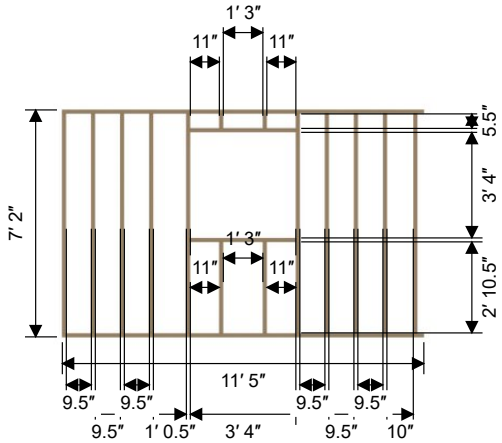
Side wall framing

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
Side framing	5.5 x 3.5 x 1.5 in	4
Side framing	34.5 x 3.5 x 1.5 in	4
Side framing	40 x 3.5 x 1.5 in	4
Side framing	83 x 3.5 x 1.5 in	20
Side framing	137 x 3.5 x 1.5 in	4

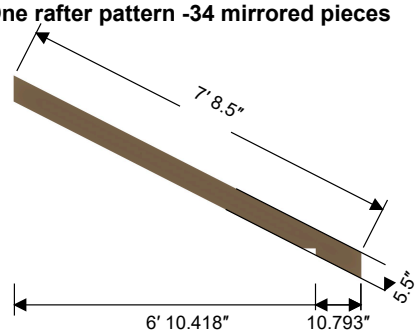
Retain both 40-in clear window openings and source header/sill lengths. Full-height jamb studs now touch both ends; source bay labels are reconciled to fitted positions. Retain short-stud cuts and design the connections.

STEP 10 / 25

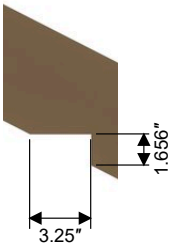
Rafters and collar ties

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

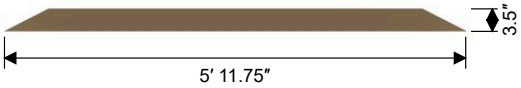
One rafter pattern -34 mirrored pieces



Triangular birdsmouth



15 collar ties



Assembly



Part / material	Cut / fitted size	Qty
Common rafters / 2x6	92.5-in true top; actual1.5x5.5-in normal section	34
Collar ties / 2x4	71.75-in long bottom; actual1.5x3.5; bevel ends	15
Ridge board / 1x8	240 x7.25 x.75in	1

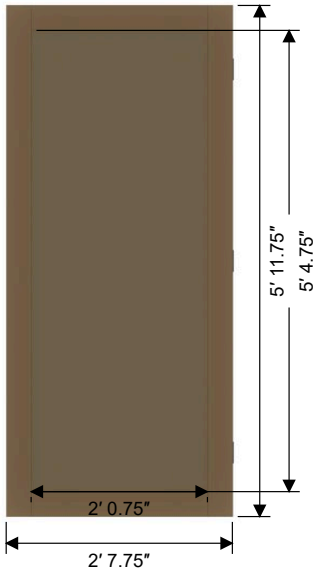
Use one mirrored27-degree rafter profile. Source3.25-in triangular seats fit the actual caps. Roof capacity, spread restraint, joints and ridge/collar attachments require design.

STEP 20 / 25

Door frames and plywood

Assemble both door frames square and attach their plywood faces.

Door frames - mirror for second leaf



Assembly



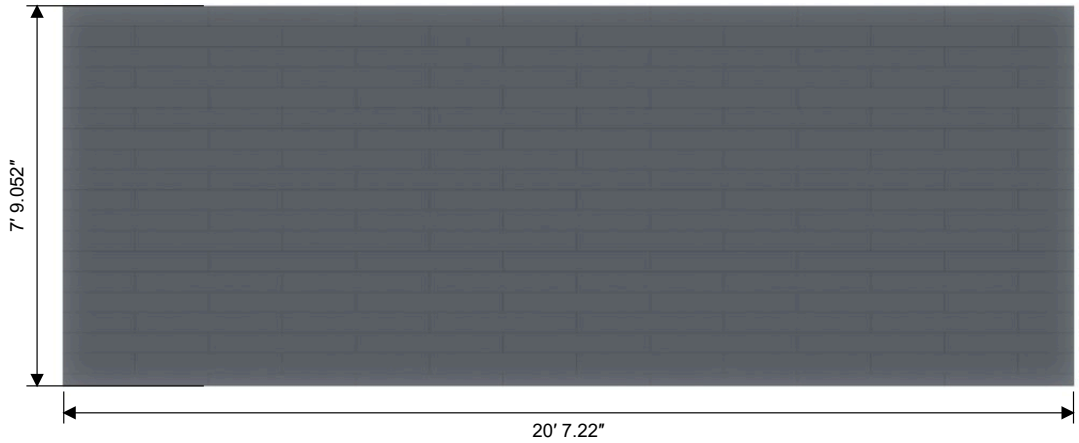
Part / material	Cut / fitted size	Qty
Door frame / plywood	71.75 x 31.75 x 0.562 in	2
Door frame / plywood	24.75 x 3.5 x 1.5 in	4
Door frame / plywood	71.75 x 3.5 x 1.5 in	4

STEP 23 / 25

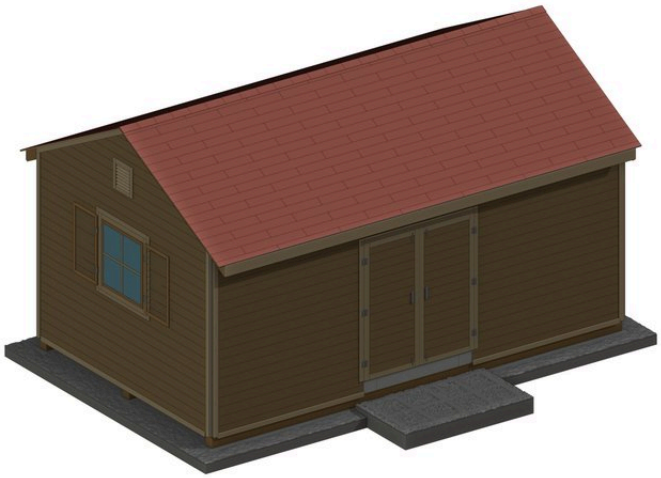
Shingles and ridge caps

Complete the roof with compatible underlay, flashings, shingles and ridge caps.

Shingle roof coverage



Assembly



Part / material	Cut / fitted size	Qty
Roof shingles	Net coverage before waste and laps	319 sq ft

Use a complete rated roofing system for the27-degree slope: product starters, laps, exposure, fastening, wind restraint and edge/ridge details govern. The net deck area excludes product allowances.

12 X 20 FT GARDEN SHED

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