THE DIYCRAFT PLAN COLLECTION

12 × 16

Storage Shed Plan



FREE PREVIEW

12 selected steps + model views

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 16 FT STORAGE 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	**12**	**21**
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

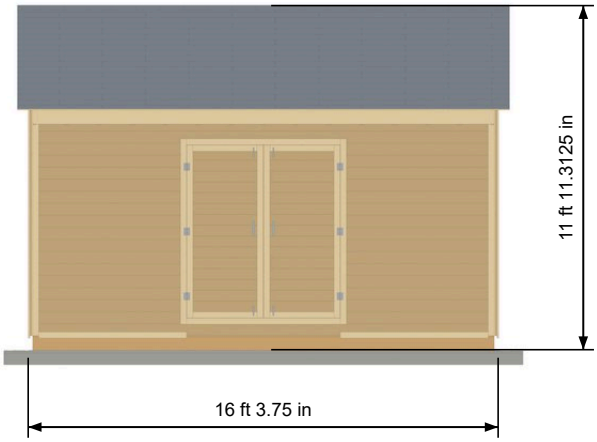
Local draft for review; publication pending

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

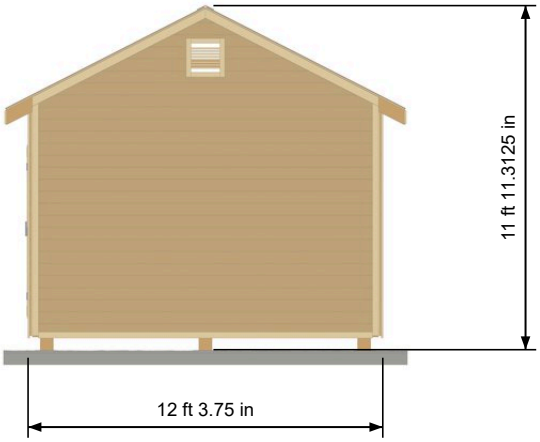
12 X 16 FT STORAGE SHED

Size & Dimensions

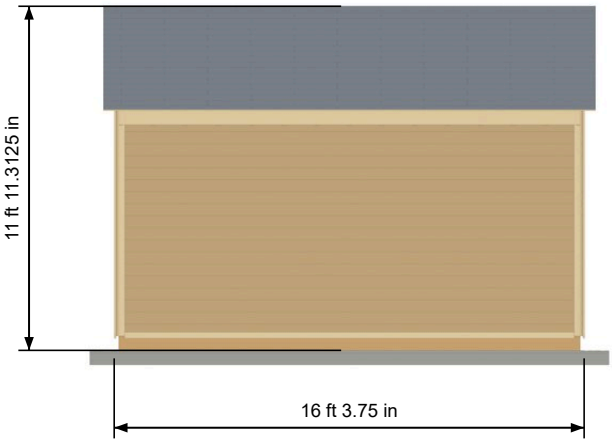
Front



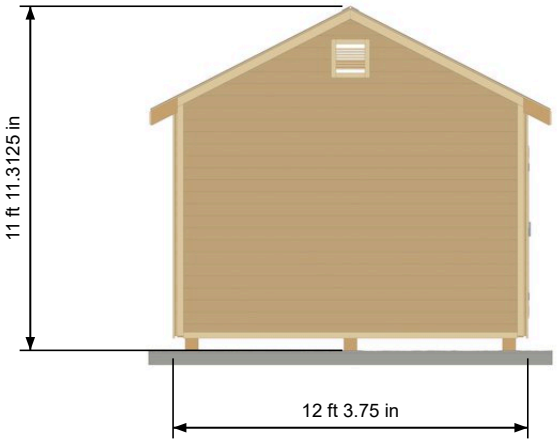
Right



Back



Left



MEASUREMENT BASIS

Width and depth are measured outside the finished siding and trim (195.74 in × 147.74 in). Height is measured from top of main compacted gravel to the highest roof surface (143.315 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 16 FT STORAGE SHED

Model View

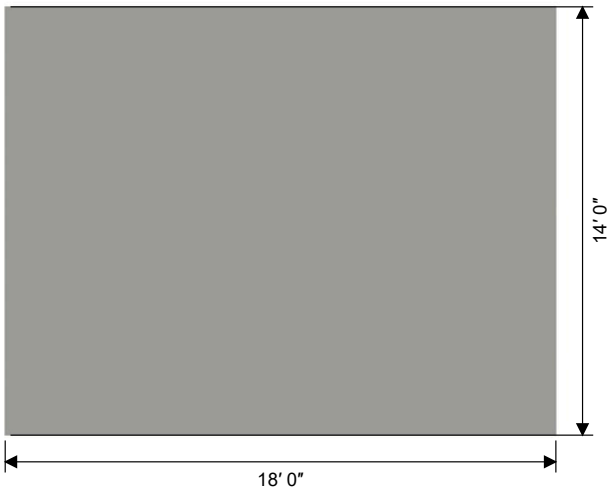


STEP 01 / 21

Compacted gravel base

Prepare firm subgrade, then level and compact the gravel pad.

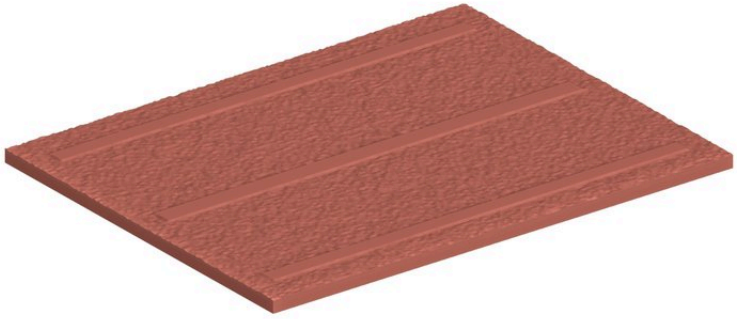
Compacted gravel pad



Six-inch pad depth



Assembly



Part / material	Cut / fitted size	Qty
Main compacted gravel pad	216 x 168 x 6 in	1
Separation layer	Per site soil and drainage design	1 pad

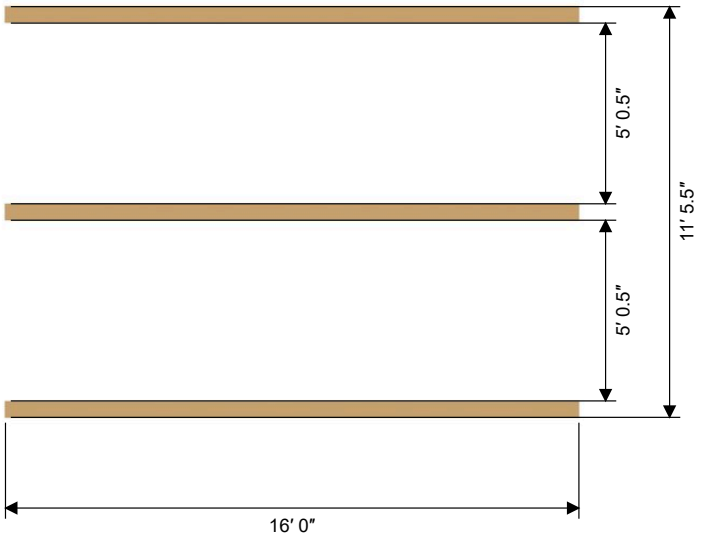
Keep continuous bearing under all skids. Drain away from the timber; foundation depth and anchorage depend on the site.

STEP 02 / 21

Treated timber skids

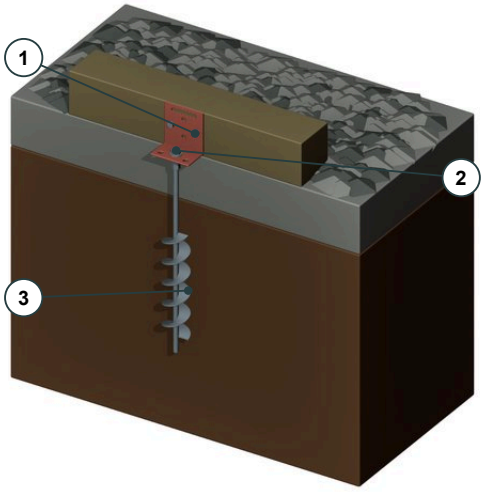
Set the three ground-contact skids level on continuous gravel bearing and install the ground anchors.

Skid positions



Anchor the skid

Connection example - not to scale

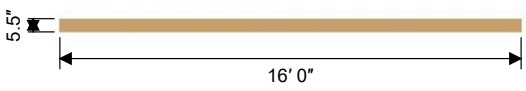


1 Fix the upright to the structural skid.
2 Bolt the foot to the anchor head.
3 Embed the spiral in soil below gravel.
Use the kit's specified timber fixings.
Anchor count and depth: per site design.

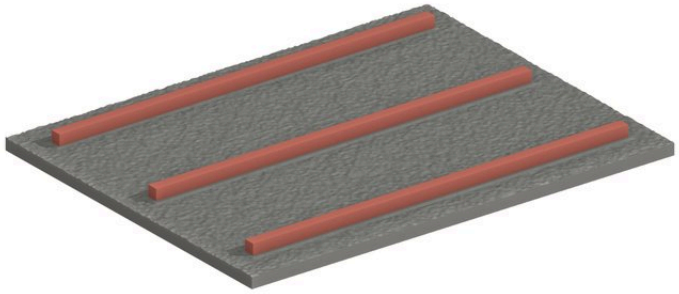
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



Part / material	Cut / fitted size	Qty
Ground-contact 6 x 6 skids	192 x 5.5 x 5.5 in	3
Ground anchors / skid brackets	Rated system and listed fasteners	Per design

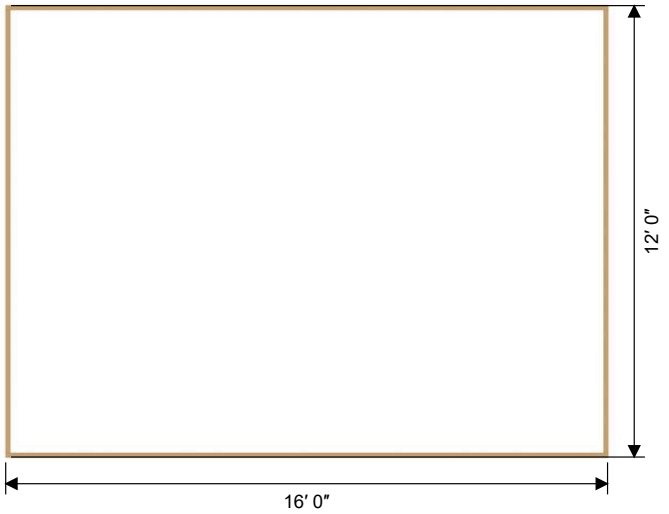
Use the measured clear bays. Anchor capacity, spacing and embedment must suit the soil and site loads.

STEP 03 / 21

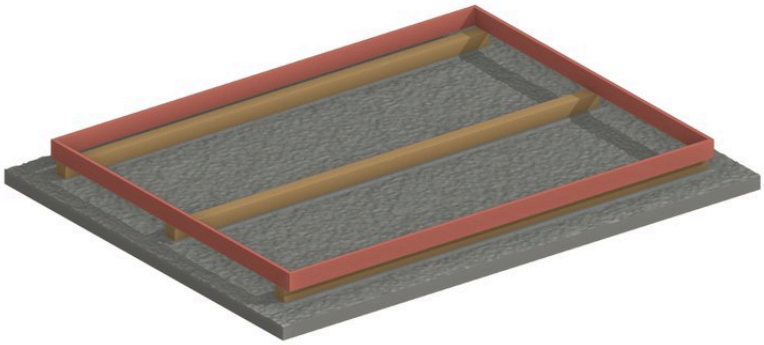
Floor perimeter

Assemble the long rims and two end joists; square the perimeter by comparing diagonals.

Floor perimeter



Assembly



Part / material	Cut / fitted size	Qty
Floor rims	192 x 7.25 x 1.5 in	2
End joists	141 x 7.25 x 1.5 in	2

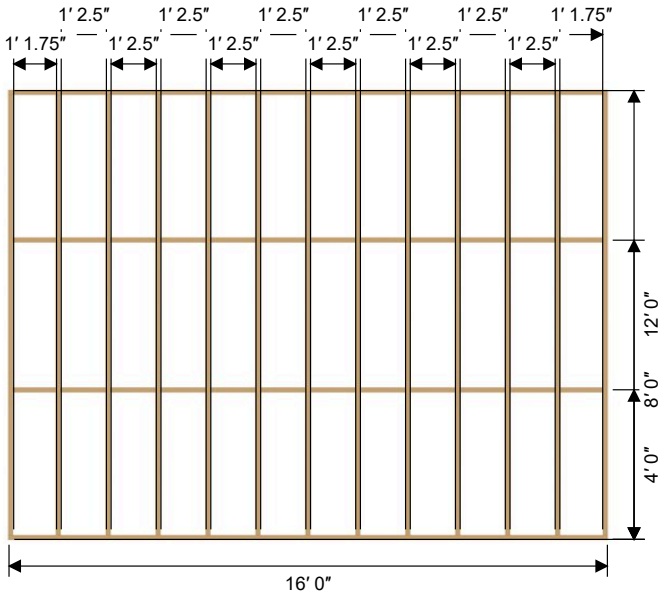
Keep the frame square and level before securing it to the skids.

STEP 04 / 21

Floor joists

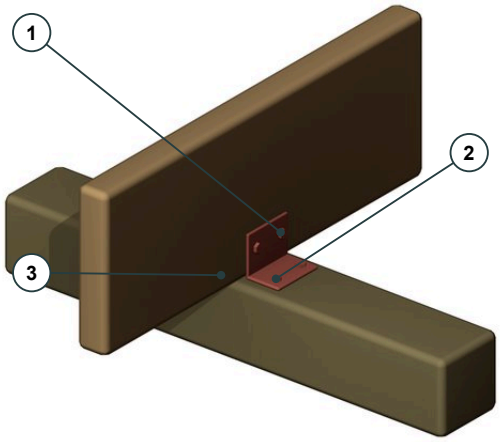
Set the eleven interior joists and seam blocks, then secure the floor frame to the skids.

Joist layout and clear bays



Fasten the floor to the skid

Connection example - not to scale

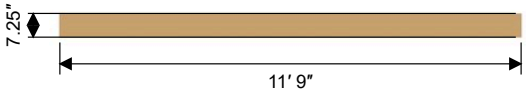


1 Fix the upright into the joist side.
2 Fix the base down into the skid.
3 Keep the joist fully seated on the skid.
Use a rated connector and its listed fasteners at each specified connection.

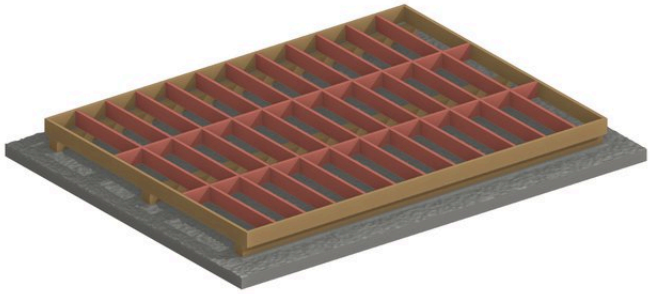
Hardware must suit treated timber.

Full skid foundation guide

Joist cut



Assembly



Part / material	Cut / fitted size	Qty
Interior 2 x 8 joists	141 x 7.25 x 1.5 in	11
Plywood seam blocking	13.75 in (4); 14.5 in (20); 1.5 x 7.25 in	24

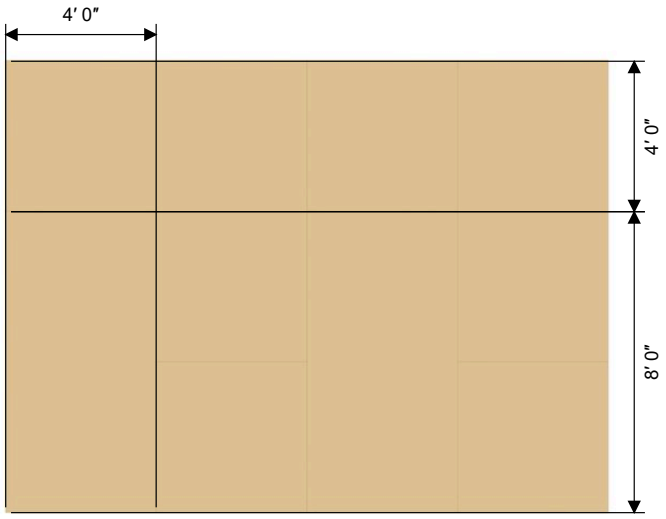
Eleven interior joists plus two end joists retain exact source bay chain. Both plywood seams have12backing blocks; keep panel edges on supports and select rated structural fixings.

STEP 05 / 21

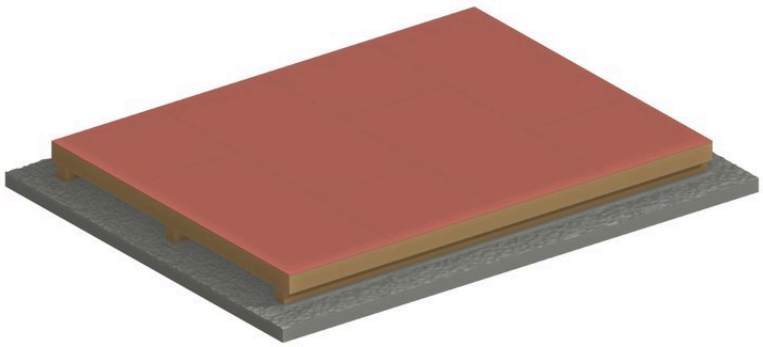
Floor plywood

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

Eight fitted floor panels



Assembly



Part / material	Cut / fitted size	Qty
Floor plywood, 9/16 in	48 x 48 x 0.562 in	4
Floor plywood, 9/16 in	96 x 48 x 0.562 in	4

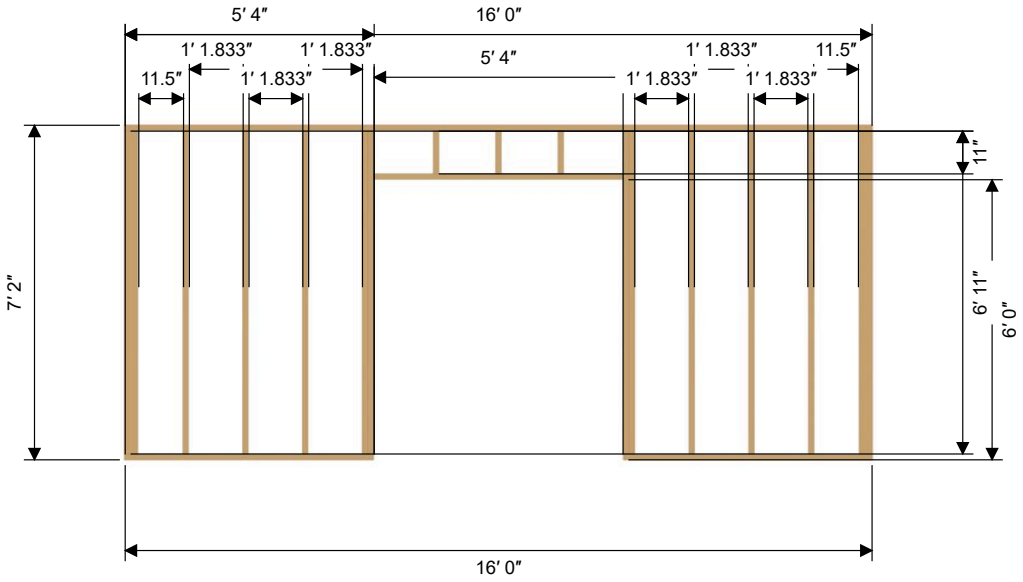
Eight source floor pieces: four96x48in and four48x48in,9/16in thick. Preserve alternating joints and actual13joist stations; provide product movement gaps and support every seam.

STEP 06 / 21

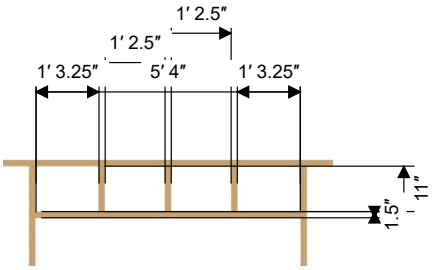
Front wall framing

Assemble the front wall square, then raise and temporarily brace the framing.

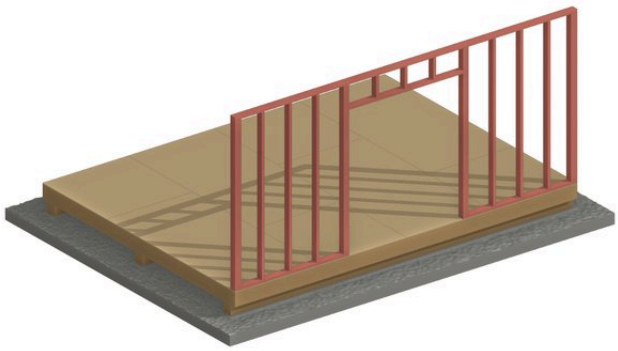
Front wall frame



Header and short studs



Assembly



Part / material	Cut / fitted size	Qty
Studs / corner posts	11 in (3); 83 in (12)	15
Plates / header	64 in (3); 192 in (1)	4

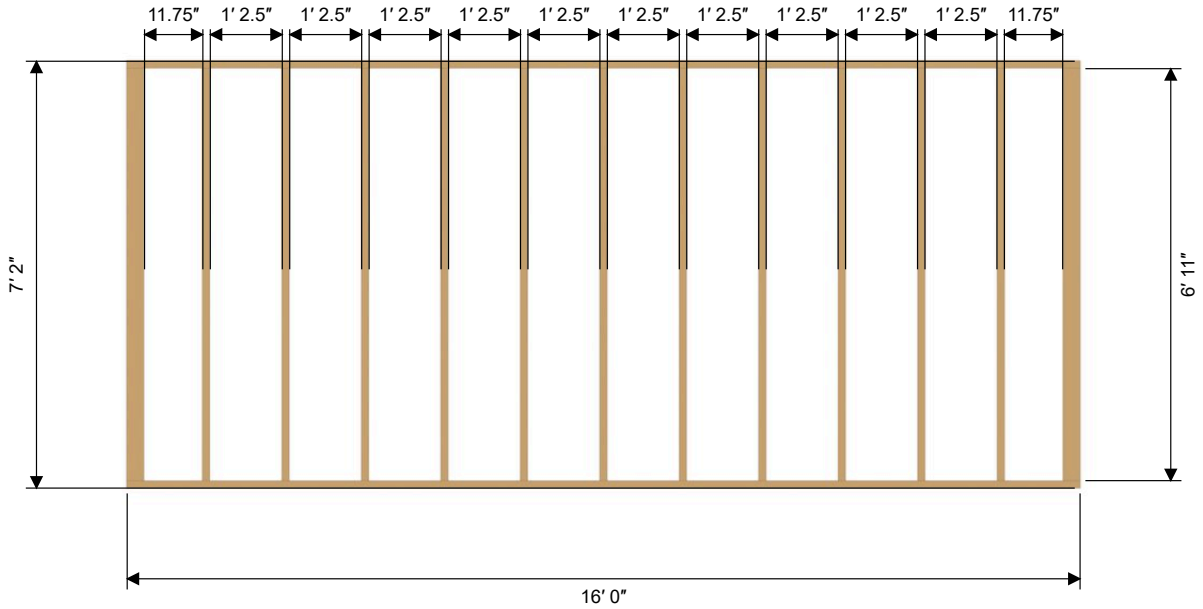
The retained source flat header has no conventional jack-stud end bearing; verify header capacity and end connections for the site before building.

STEP 07 / 21

Rear wall framing

Assemble the rear wall square, then raise and temporarily brace the framing.

Rear wall frame



Assembly



Part / material	Cut / fitted size	Qty
Studs / corner posts	83 in (13)	13
Plates / header	192 in (2)	2

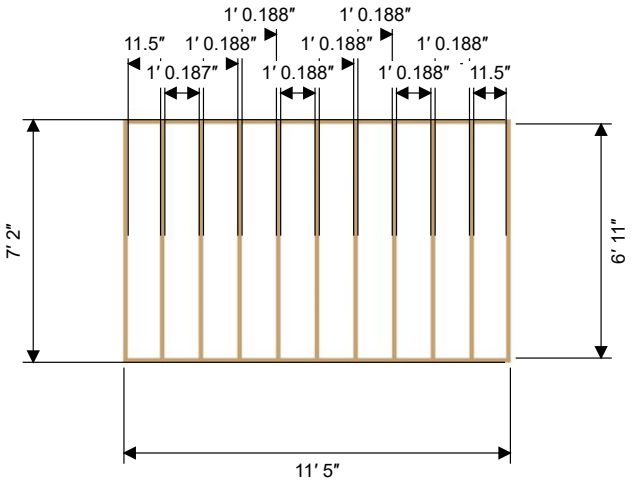
Use every measured clear bay and member cut. Temporarily brace the wall plumb.

STEP 08 / 21

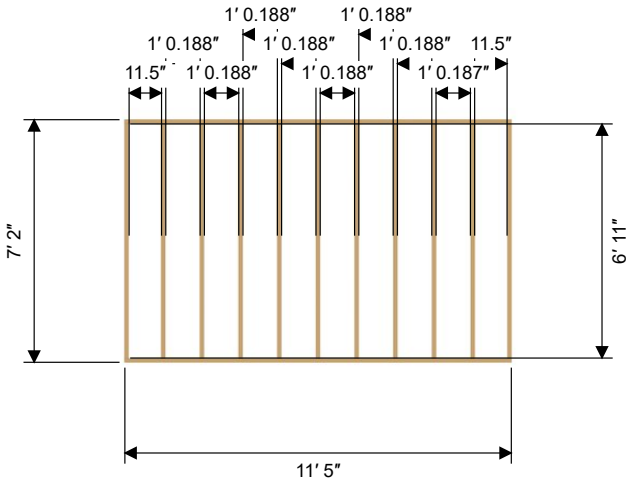
Side wall framing

Assemble the two side walls square, then raise and temporarily brace the framing.

Left wall frame



Right wall frame



Assembly



Part / material	Cut / fitted size	Qty
Studs / corner posts (cuts per side)	83 in (11)	22
Plates / header (cuts per side)	137 in (2)	4

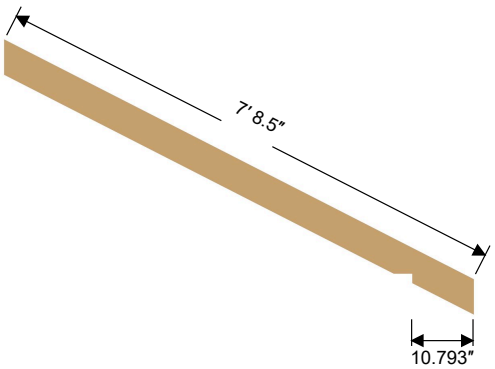
Both side walls match. Current clear inner bays are 12.1875 in; the source 12.25 in label does not close the 137 in frame.

STEP 10 / 21

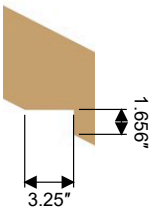
Rafters and collar ties

Trial-fit one rafter, then mirror the pattern for all fifteen roof pairs and fit the collar ties.

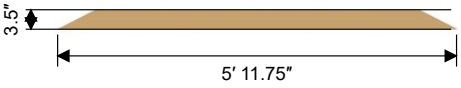
27 degree rafter pattern



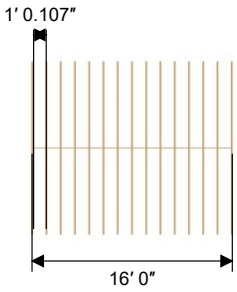
Triangular bearing seat



Collar tie cut



Fifteen rafter pairs



Assembly



Part / material	Cut / fitted size	Qty
2 x 6 rafters	92.5 in top edge; 27 degree pitch	30
Collar ties	71.75 x 3.5 x 1.5 in	13
Ridge board	192 x 7.25 x 0.75 in	1

Thirty identical mirrored rafters retain92.5-in top edges and3.25-in triangular seats. Required grain blanks measure about95.302in; upper collar edge fits58.0117in, superseding source58.25in. Design roof restraint, bearings and connections.

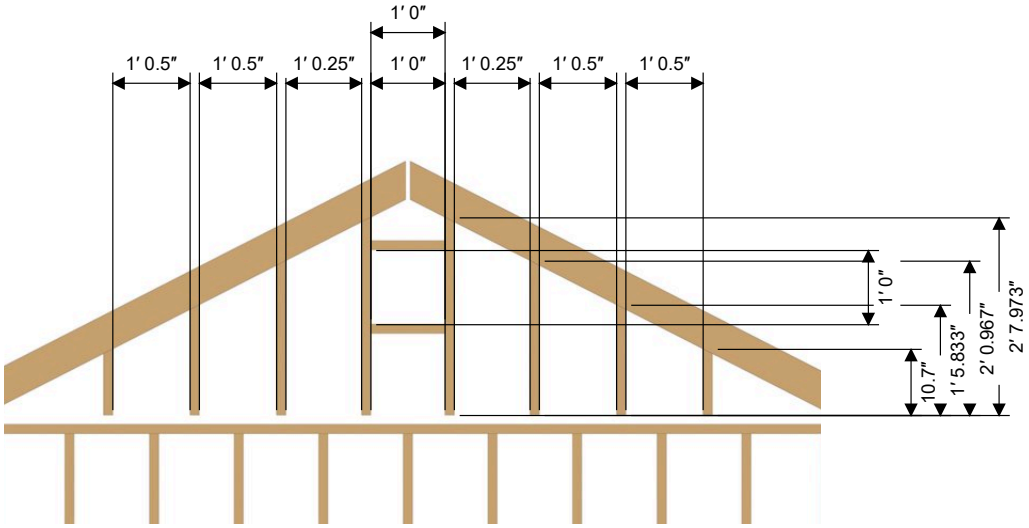
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 11 / 21

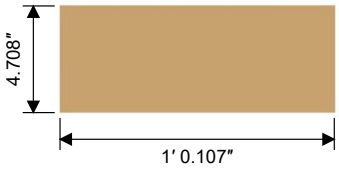
Gable framing and backing

Fit the gable studs, rafter-bay closures and backing around both vent openings.

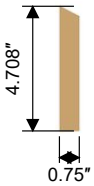
Gable cuts and vent backing



Fitted rafter-bay closure



Rafter-bay bevel



Assembly



Part / material	Cut / fitted size	Qty
Gable studs, both ends	10.7 in (4); 17.833 in (4); 24.967 in (4); 31.973 in (4)	16
Rafter-bay closures	12.107 x 4.708 x 0.75 in fitted bevel	28
Vent backing	Cut to the measured opening and frame	2 sets

Closures:28 at12.107143in clear, .75in deep,27-degree upper bevel. Actual cuts supersede conflicting source122-degree/blank labels. Trial-fit and specify structural joints.

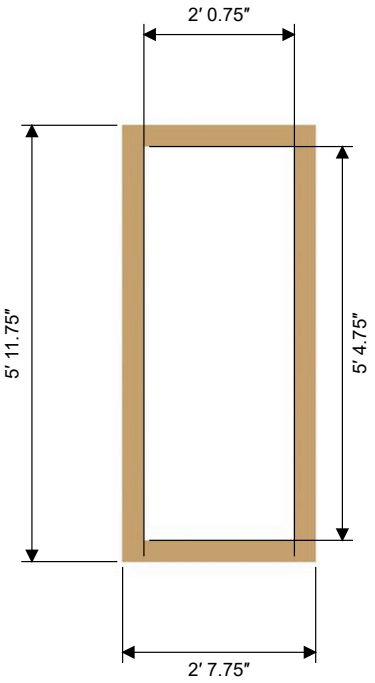
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 18 / 21

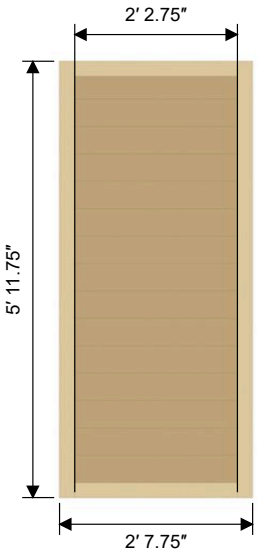
Double-door construction

Build the two square door frames, attach the plywood, then fit the siding and face trim.

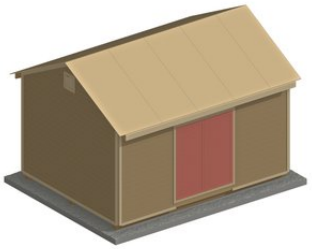
Door frame - mirror for second leaf



Door face and trim



Assembly



Part / material	Cut / fitted size	Qty
Door stiles / rails	71.75 in (2); 24.75 in (2)	4 / 4
Door plywood	71.75 x 31.75 x 0.562 in	2
Door face stiles / cross trim	71.75 in (2); 26.75 in (2)	4 / 4

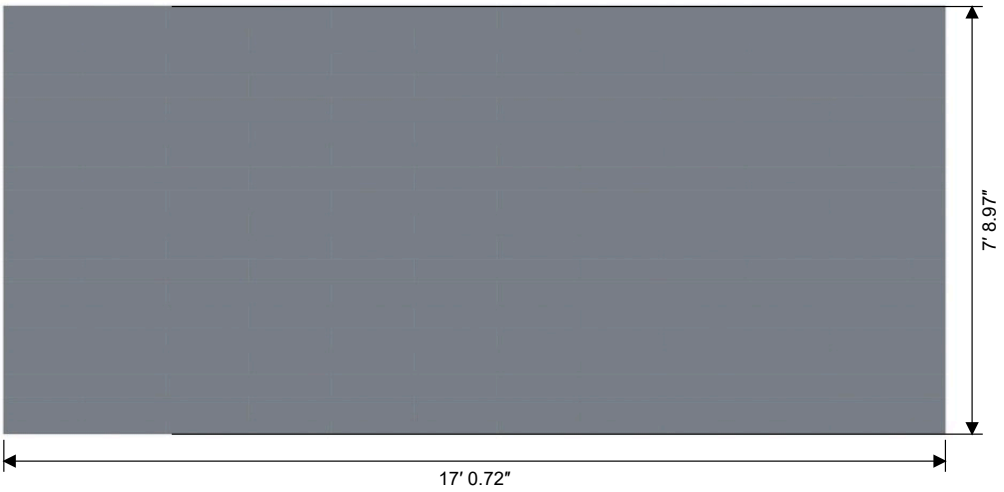
Mirror the first leaf. Current face trim is 2.5 in wide, not the source prose 3.5 in. Dry-fit the leaves with even perimeter and centre gaps.

STEP 21 / 21

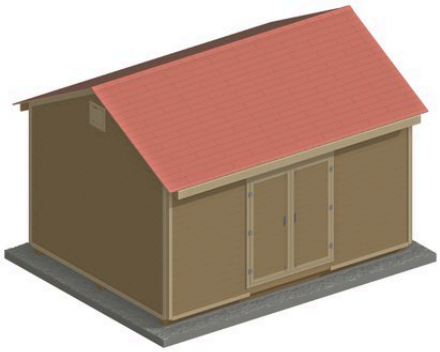
Roof finish

Lay the shingles from eaves to ridge, then install ridge caps and complete the weatherproof finish.

Front roof slope - repeat opposite



Assembly



Part / material	Cut / fitted size	Qty
Asphalt shingles / ridge caps	264.469 sq ft net roof area	Add product waste

Install compatible underlay and drip edges first. Follow the roofing product schedule. Apply exterior coating and cut-end treatment; inspect doors, ventilation, drainage and fixings before use.

12 X 16 FT STORAGE SHED

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Practical plans for your next project.

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