THE DIYCRAFT PLAN COLLECTION

12 × 18

Lean-to Garden Shed Plan



FREE PREVIEW

10 selected steps + model views

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 18 FT LEAN-TO 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	**10**	**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

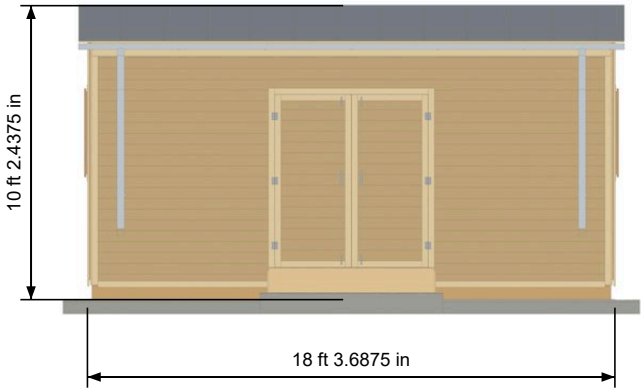
Design review draft; site and supplier details require verification.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

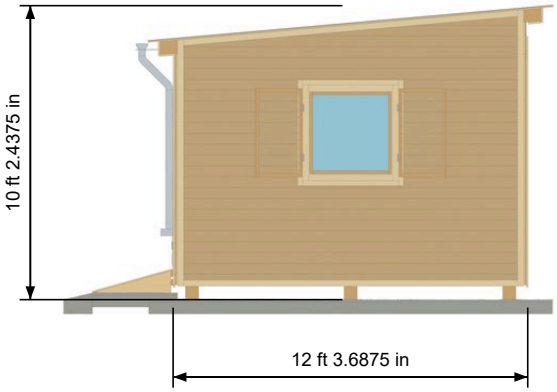
12 X 18 FT LEAN-TO GARDEN SHED

Size & Dimensions

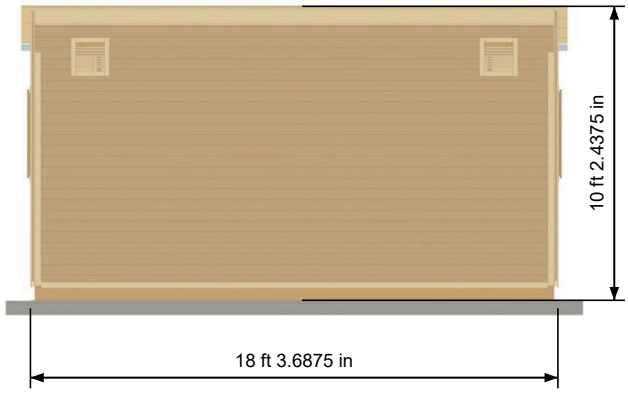
Front



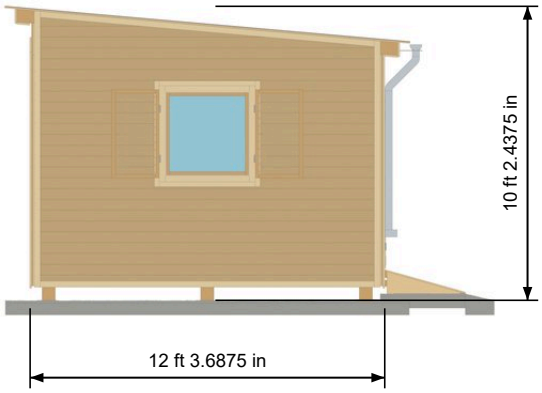
Right



Back



Left



MEASUREMENT BASIS

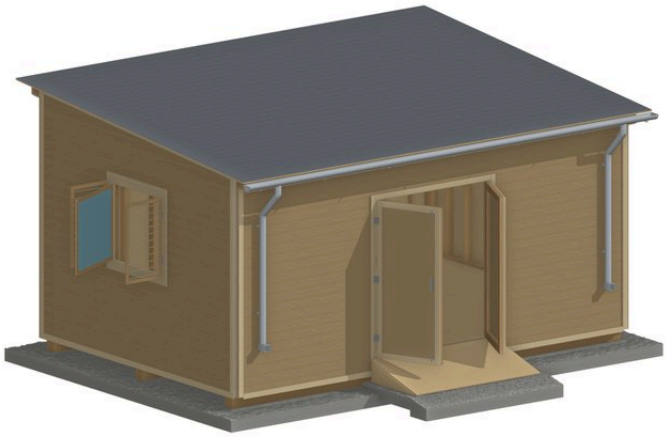
Width and depth are measured outside the finished siding and trim (219.7 in × 147.7 in). Height is measured from top of main compacted gravel to the highest roof surface (122.436 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 18 FT LEAN-TO GARDEN SHED

Model View



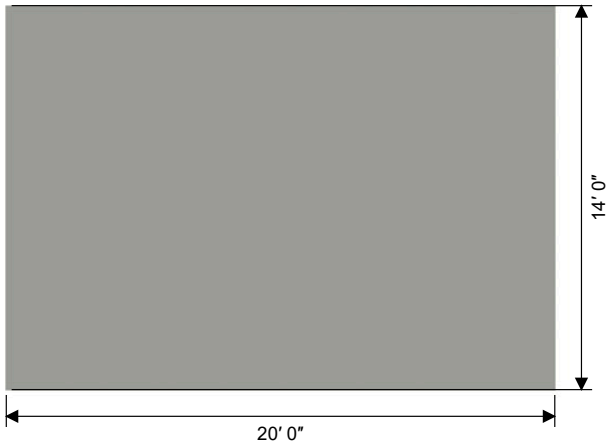


STEP 01 / 25

Compacted gravel support

Mark and compact the main gravel pad and connected ramp support to the fitted grades.

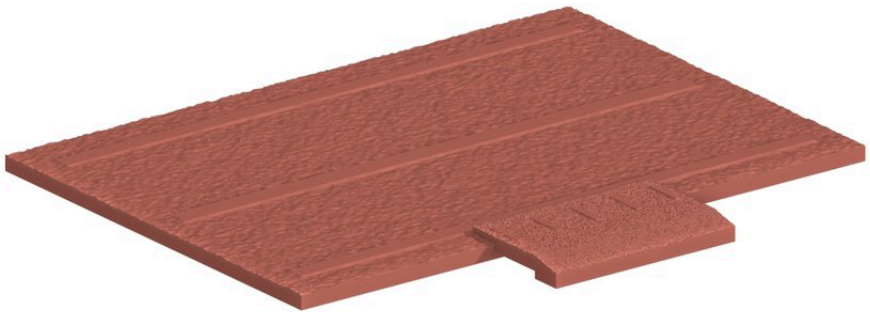
Main pad; ramp support shown in assembly



Compacted main pad depth



Assembly



Part / material	Cut / fitted size	Qty
Main compacted gravel pad	240 x 168 x 6 in	1
Ramp bearing pad	76.125 x 35.39 x 6 in envelope	1
Rising gravel approach	76.125 in wide; 12 in run	1

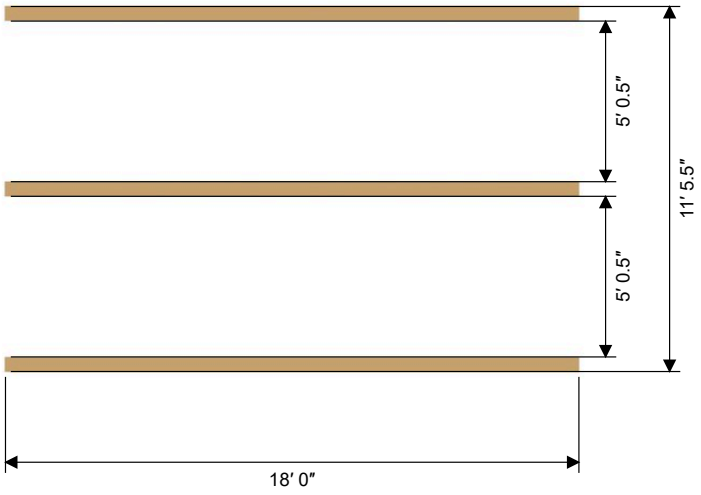
Main pad is 240 x 168 x 6 in. Ramp gravel rises to the source ground datum; compact and drain continuously. Confirm soil, frost, separator and anchorage design.

STEP 02 / 25

Treated timber skids

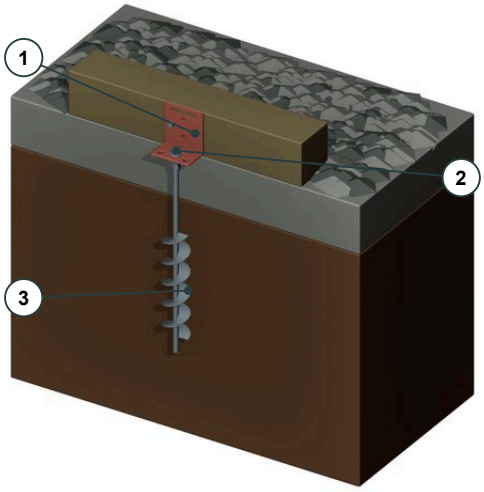
Set the three ground-contact skids level and parallel at the shown offsets.

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.

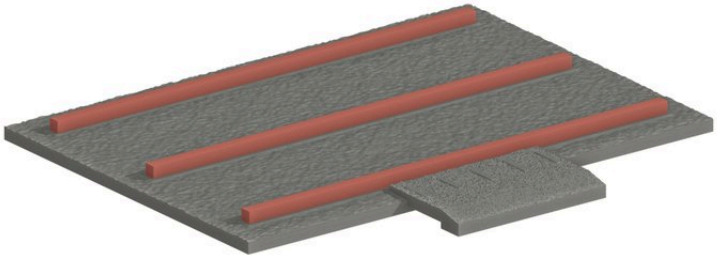
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



Part / material	Cut / fitted size	Qty
Skid	216 x 5.5 x 5.5 in envelope	3

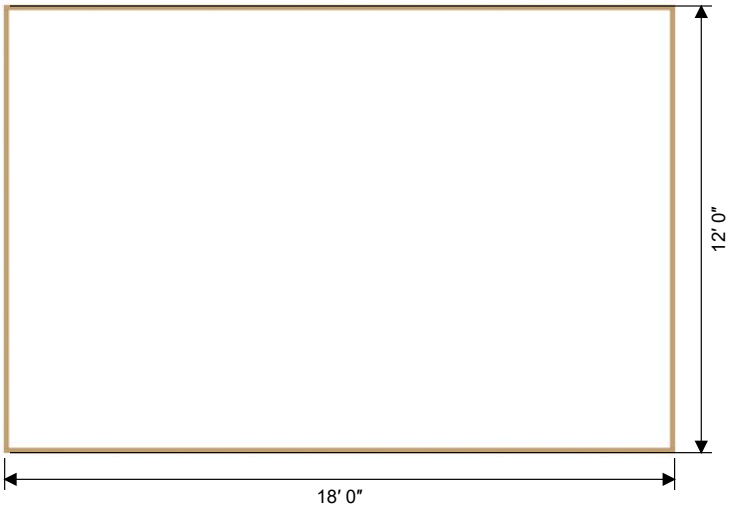
Skids are actual 5.5 x 5.5 x 216 in. Design the site restraints and frame-to-skid connections; no capacity is inferred.

STEP 03 / 25

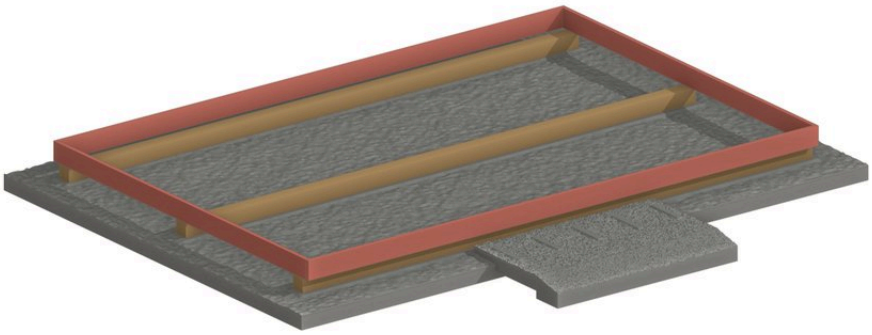
Floor perimeter

Assemble the floor perimeter, check both diagonals and square the corners.

Perimeter and end joists



Assembly



Part / material	Cut / fitted size	Qty
Floor framing	141 x 7.25 x 1.5 in envelope	2
Floor framing	216 x 7.25 x 1.5 in envelope	2

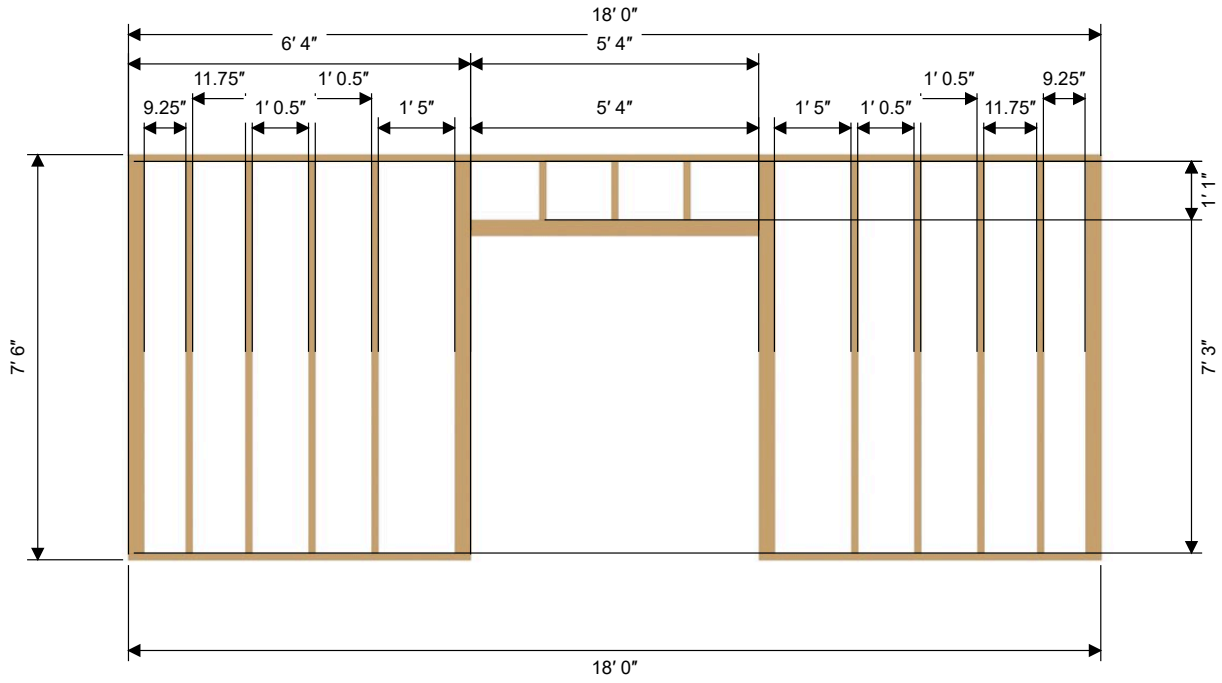
Use the actual rim/end-joist dimensions. Rated exterior structural connections require a design schedule.

STEP 06 / 25

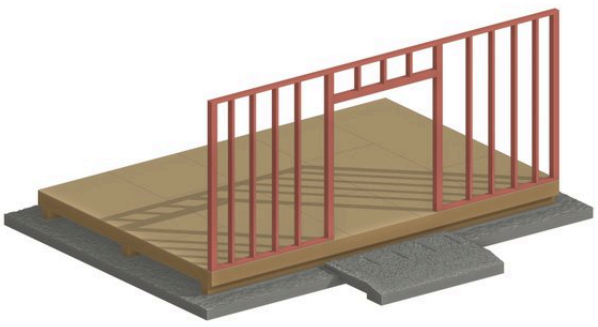
Front wall framing

Assemble the front wall with its doorway jambs, header and upper short studs.

Front wall framing



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	19 physical pieces; cuts and positions shown	19

Source 64-in header is side-butted to jambs without specified jack bearing. Resolve the load path and connection design before construction. Source15-in cripples fit13in between actual header and top plate.

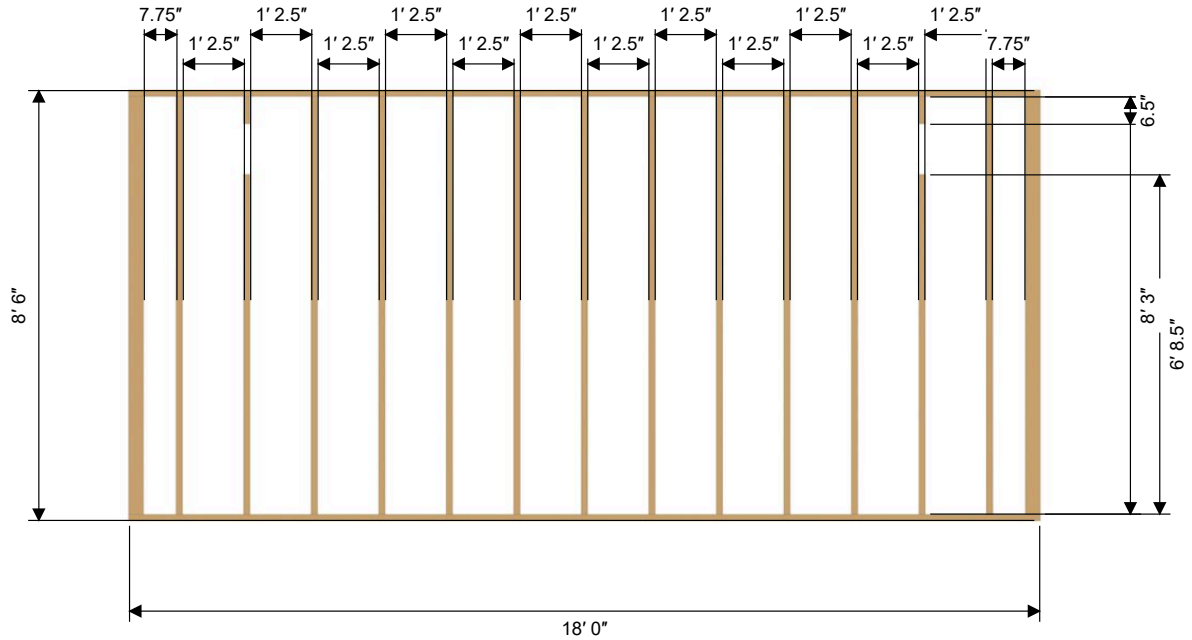
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 07 / 25

Rear wall framing

Assemble the taller rear wall and check its measured stud bays.

Rear wall framing



Assembly



Part / material	Cut / fitted size	Qty
Rear framing	6.5 x 3.5 x 1.5 in envelope	2
Rear framing	80.5 x 3.5 x 1.5 in envelope	2
Rear framing	99 x 3.5 x 1.5 in envelope	11
Rear framing	99 x 3.5 x 3.5 in envelope	2
Rear framing	216 x 3.5 x 1.5 in envelope	2

Rear studs follow the source 99-in cut; do not substitute the shorter front stud length.

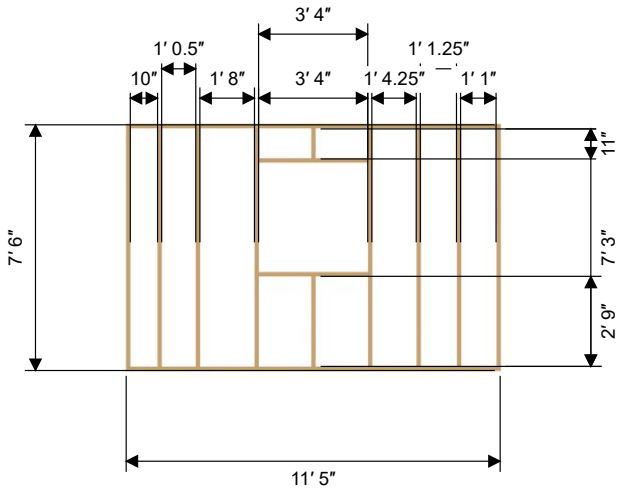
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 08 / 25

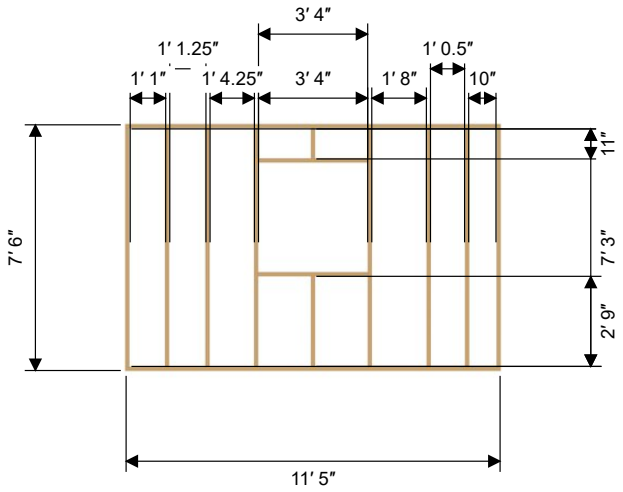
Side wall framing

Assemble both side walls with the framed casement openings.

Left wall framing



Right wall framing



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	28 physical pieces; cuts and positions shown	28

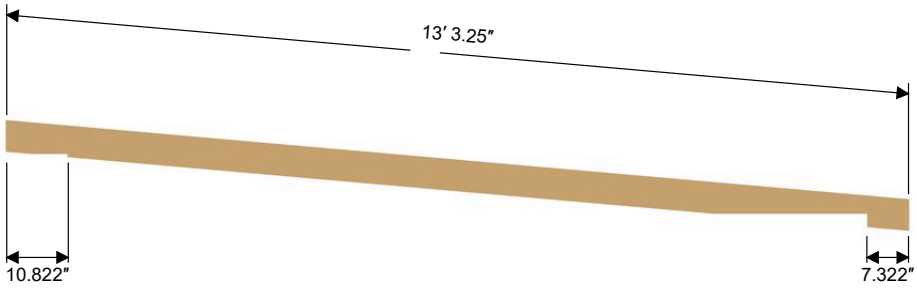
Retain40-in header/sill and40-in clear window opening. Full-height jambs now support both ends; short studs centered. Source bay labels do not close; use fitted positions shown and design the connections.

STEP 10 / 25

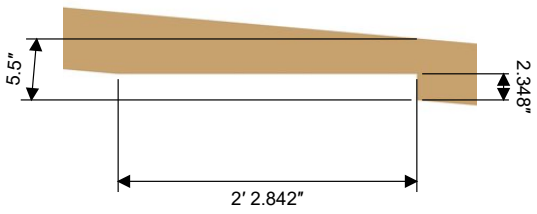
Rafters and fitted bearing cuts

Set out thirteen identical rafters using the fitted triangular relief profile shown.

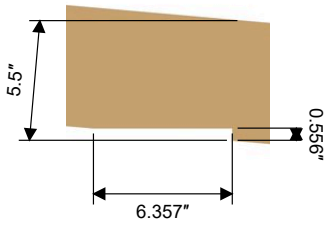
5-degree fitted profile - design review



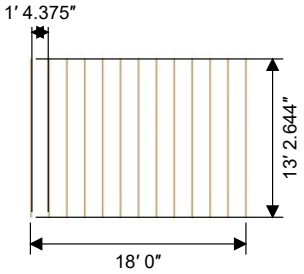
Front triangular relief



Rear triangular relief



Thirteen rafters



Assembly



Part / material	Cut / fitted size	Qty
Common fitted rafter	159.25 in top; actual 1.5 x 5.5 in stock	13

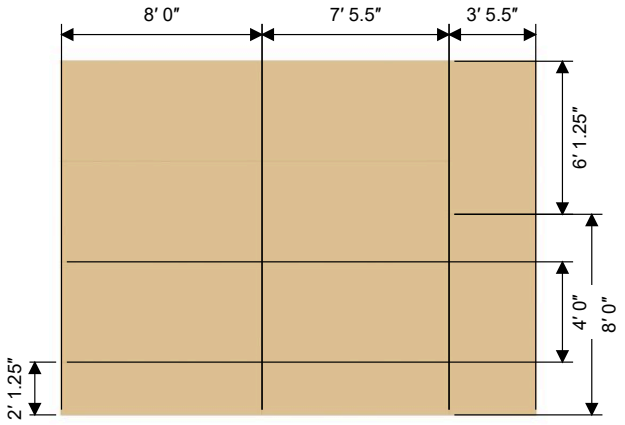
DESIGN REVIEW: source 5-degree pitch, wall heights and notch labels conflict. Actual front relief is 26.842 in and rear seat 6.357 in. Roof bearing, cuts and connections require design before construction.

STEP 13 / 25

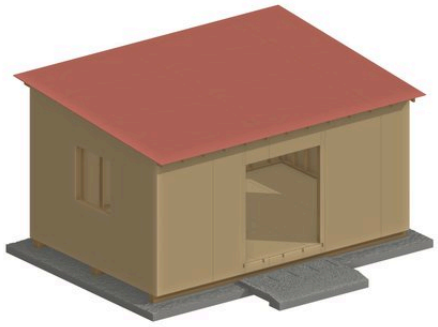
Roof plywood

Install the ten fitted roof-deck panels on the rafters and seam backing.

Ten roof panels



Assembly



Part / material	Cut / fitted size	Qty
Roof plywood	41.5 x 73.25 in true face; 9/16 in thick	1
Roof plywood	41.5 x 96 in true face; 9/16 in thick	1
Roof plywood	89.5 x 25.25 in true face; 9/16 in thick	1
Roof plywood	89.5 x 48 in true face; 9/16 in thick	3
Roof plywood	96 x 25.25 in true face; 9/16 in thick	1
Roof plywood	96 x 48 in true face; 9/16 in thick	3

Deck227 x169.25in; true-face cuts listed below;9/16-in panels. The5-in unsupported slope-end projections require deck-edge/fastener design.

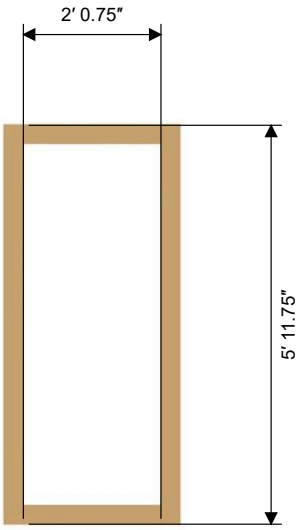
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STEP 18 / 25

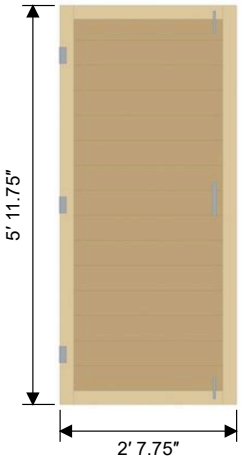
Door frames, plywood and cladding

Build both door frames, fit the plywood, then apply the siding and exterior rails.

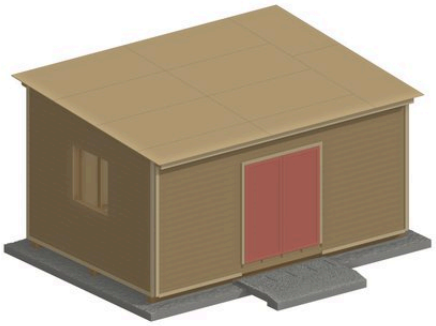
Door rails and stiles



Door exterior



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	48 physical pieces; cuts and positions shown	48

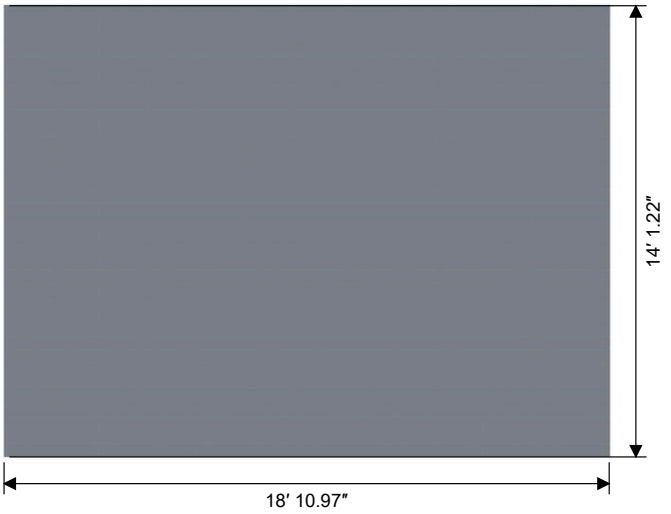
Check the independent leaf clearances and hinge mounting plane. Retain the source bolts; no decorative lattice is included.

STEP 21 / 25

Low-slope roof finish

Complete the roof with a system explicitly rated for the actual 5-degree slope.

Source finish geometry; select rated low-slope system



Assembly



Part / material	Cut / fitted size	Qty
Rated low-slope roof system	266.8 sq ft net deck; add product laps/waste	Per product

Source shingles shown are illustrative; their 270-sq-ft allowance is not proof of low-slope compatibility. Follow the selected system for substrate, laps, flashings and finish.

12 X 18 FT LEAN-TO GARDEN SHED

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