THE DIYCRAFT PLAN COLLECTION

14 × 20

Lean-to Garden Shed Plan



FREE PREVIEW

10 selected steps + model views

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

14 X 20 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		✅

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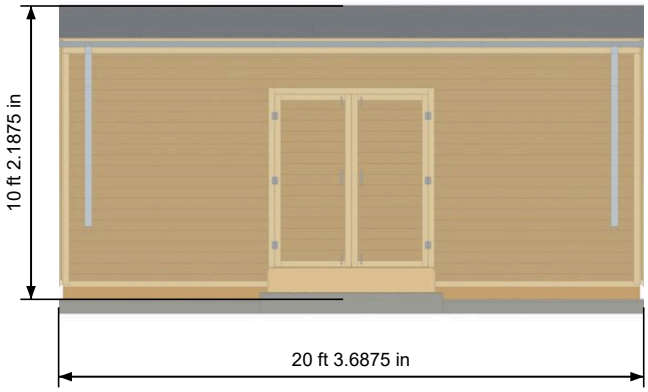
Design review draft; site and supplier details require verification.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

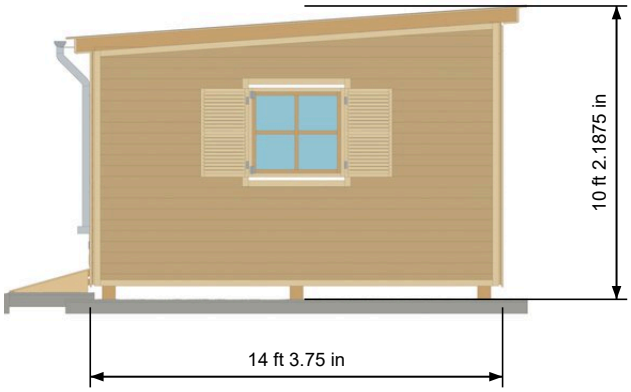
14 X 20 FT LEAN-TO GARDEN SHED

Size & Dimensions

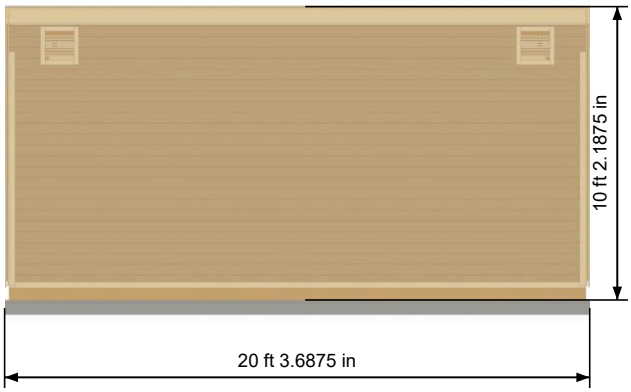
Front



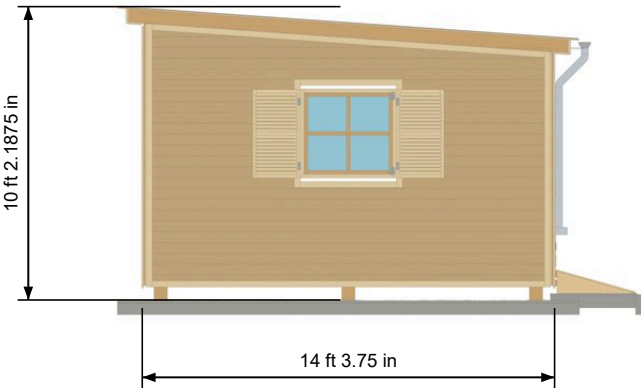
Right



Back



Left



MEASUREMENT BASIS

Width and depth are measured outside the finished siding and trim (243.7 in × 171.74 in). Height is measured from top of main compacted gravel to the highest roof surface (122.176 in). Roof overhang is excluded from wall width.

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14 X 20 FT LEAN-TO GARDEN SHED

Model View



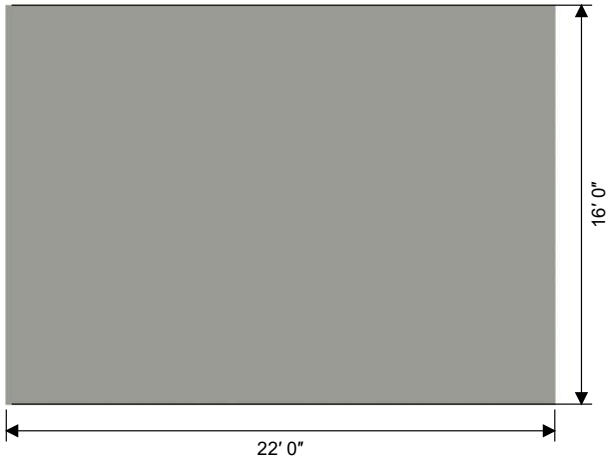


STEP 01 / 25

Compacted gravel support

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

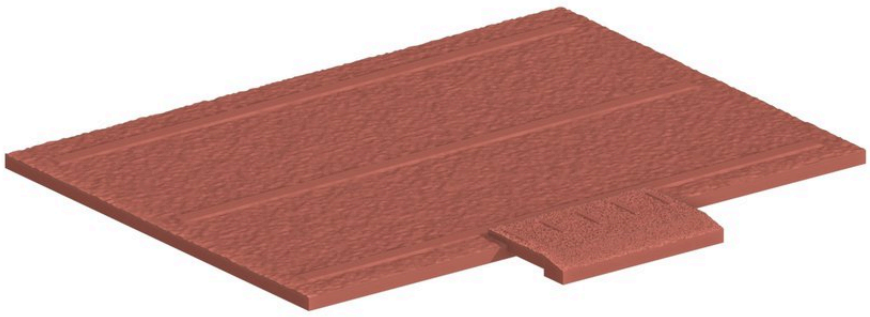
Main pad; ramp support shown in assembly



Compacted main pad depth



Assembly



Part / material	Cut / fitted size	Qty
Main compacted gravel pad	264 x 192 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

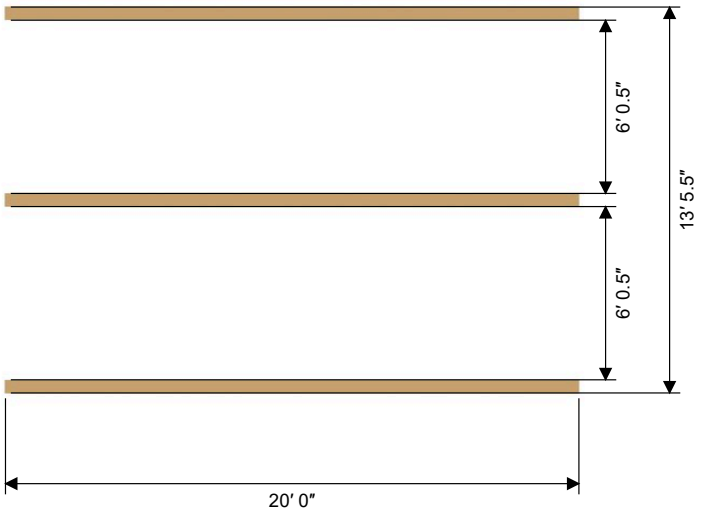
Main pad is 264 x 192 x 6 in. Ramp gravel rises to the source ground datum; compact and drain continuously. Confirm soil, frost, separator and anchorage design.

STEP 02 / 25

Treated timber skids

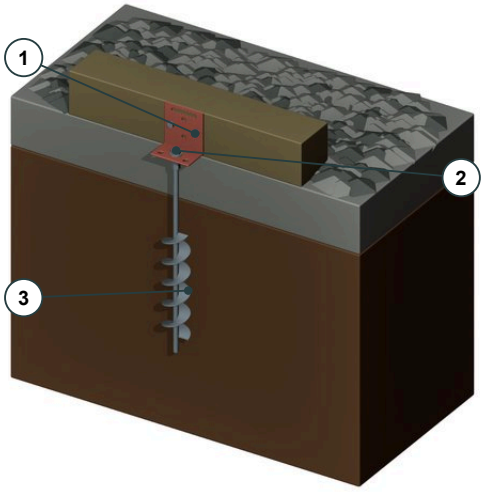
Set the three ground-contact skids level and parallel at the shown offsets.

Skid positions



Anchor the skid

Connection example - not to scale

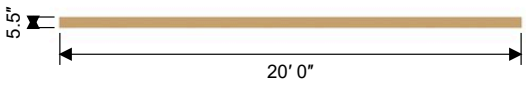


1 Fix the upright to the structural skid.
2 Bolt the foot to the anchor head.
3 Embed the spiral in soil below gravel.
Use the kit's specified timber fixings.
Anchor count and depth: per site design.

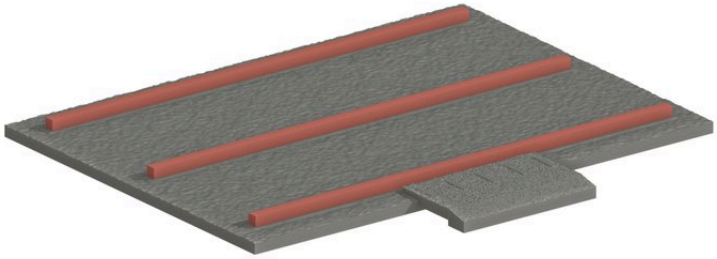
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



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

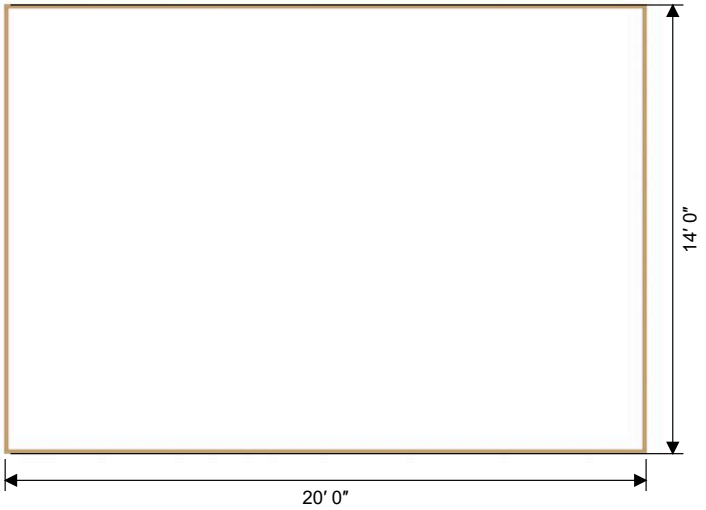
Skids are actual 5.5 x 5.5 x 240 in. Design the site restraints and frame-to-skid connections; no capacity is inferred.

STEP 03 / 25

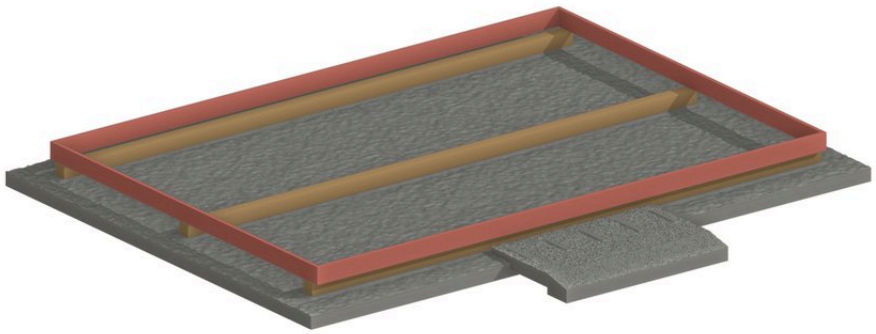
Floor perimeter

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

Perimeter and end joists



Assembly



Part / material	Cut / fitted size	Qty
Floor framing	165 x 7.25 x 1.5 in envelope	2
Floor framing	240 x 7.25 x 1.5 in envelope	2

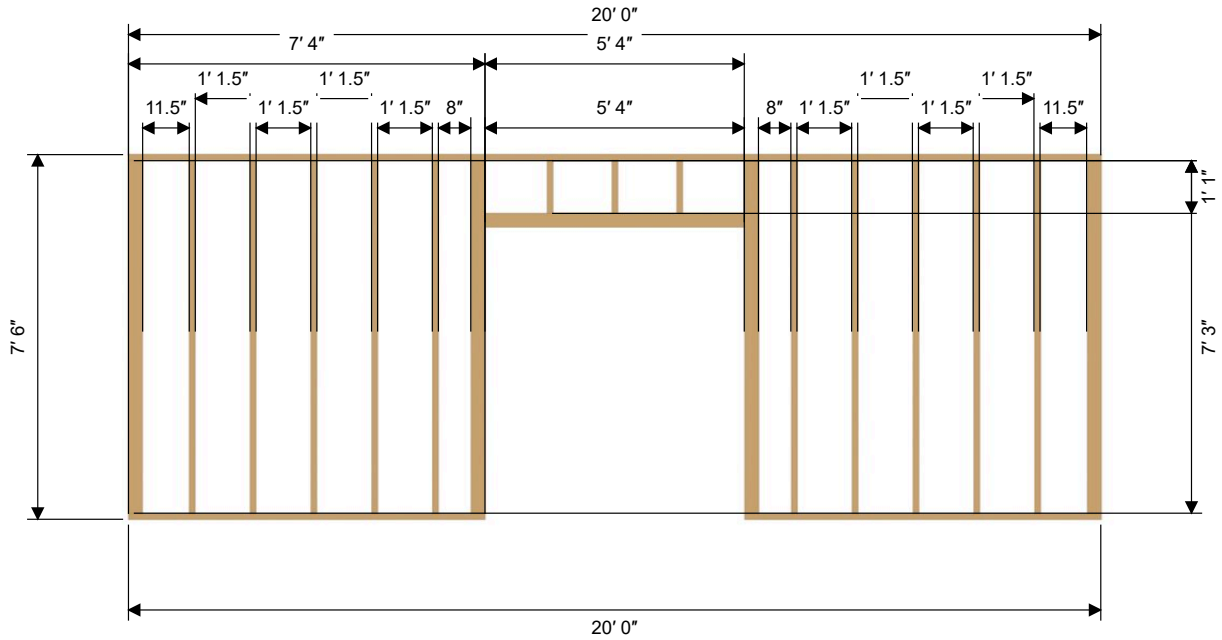
Use the actual rim/end-joist dimensions. Rated exterior structural connections require a design schedule.

STEP 06 / 25

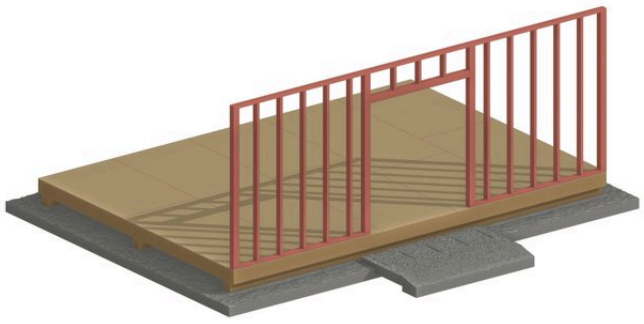
Front wall framing

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	21 physical pieces; cuts and positions shown	21

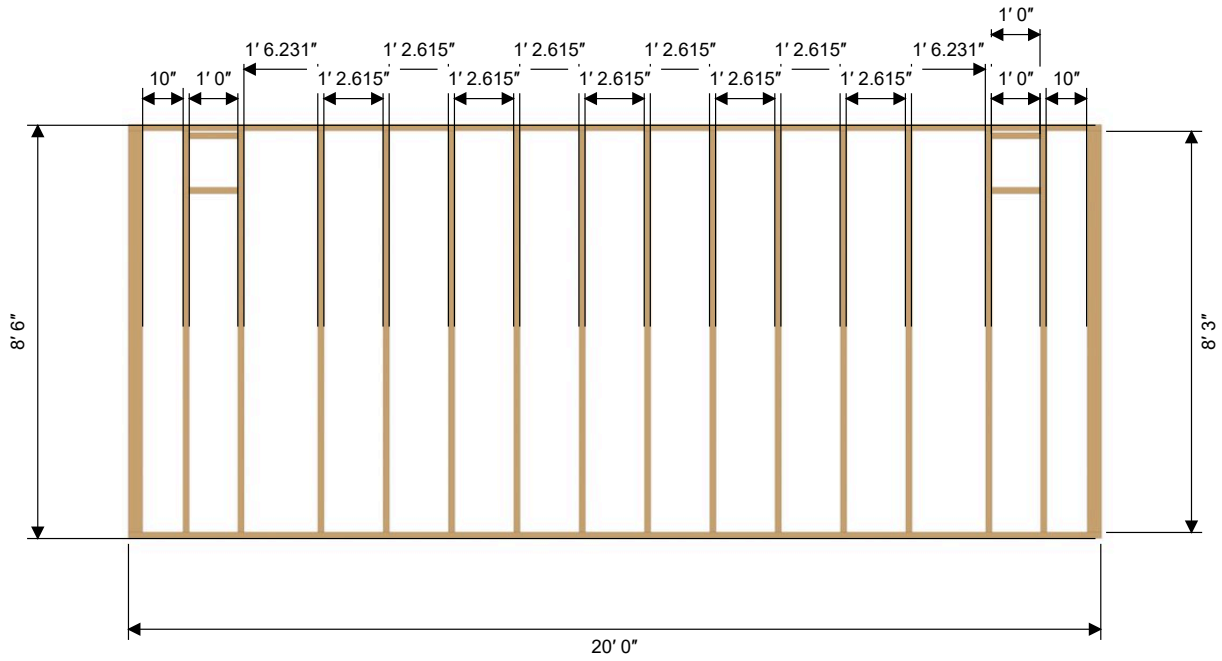
Source 64-in header is side-butted to jambs without specified jack bearing. Resolve the load path and connection design before construction.

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	99 x 3.5 x 1.5 in envelope	14
Rear framing	99 x 3.5 x 3.5 in envelope	2
Rear framing	12 x 3.5 x 1.5 in envelope	4
Rear framing	240 x 3.5 x 1.5 in envelope	2

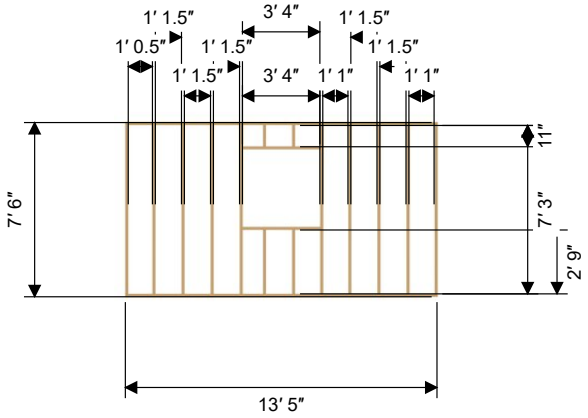
Rear studs follow the source 99-in cut; do not substitute the shorter front stud length.

STEP 08 / 25

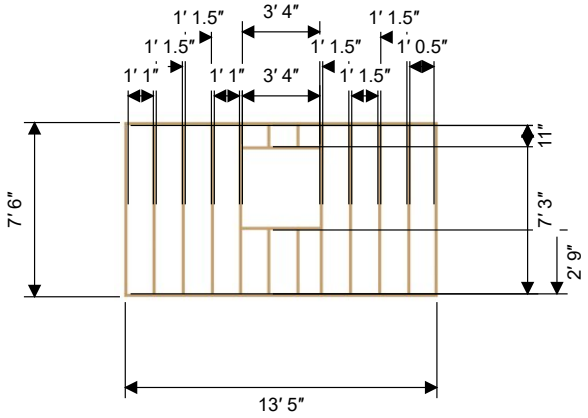
Side wall framing

Assemble both side walls with the framed casement openings.

Left wall framing



Right wall framing



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	36 physical pieces; cuts and positions shown	36

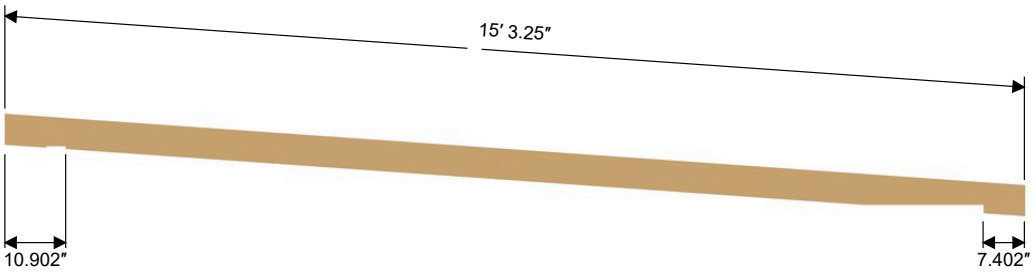
Match each actual sill/header and interrupted stud. Keep the measured openings and verify selected window fit.

STEP 10 / 25

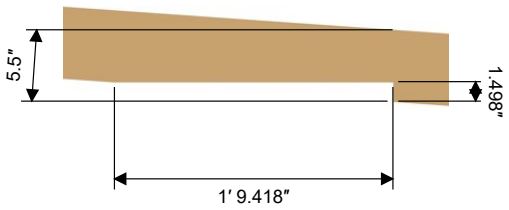
Rafters and fitted bearing cuts

Set out fourteen identical rafters using the measured source bearing profile.

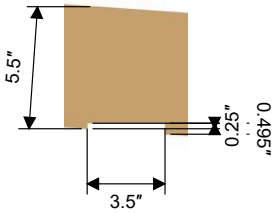
4-degree fitted profile - design review



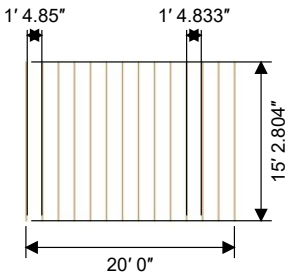
Front fitted relief



Rear fitted relief



Fourteen rafters



Assembly



Part / material	Cut / fitted size	Qty
Common fitted rafter	183.25 in top; actual 1.5 x 5.5 in stock	14

DESIGN REVIEW:183.25-in top edge governs over183.75-in text/table. Source4-degree pitch and fitted full3.5-in wall seats retained; front relief21.418in. Fitted reliefs and full cap contacts shown; roof sections, cuts and connections require design.

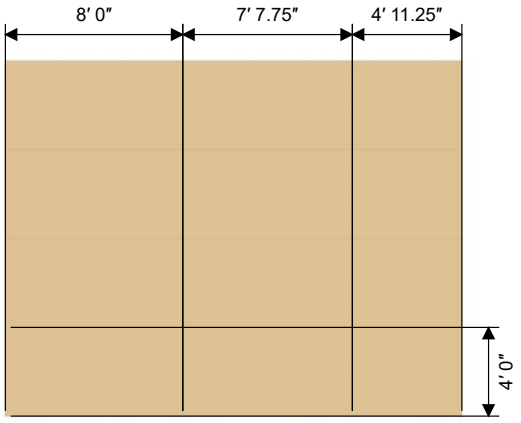
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 13 / 25

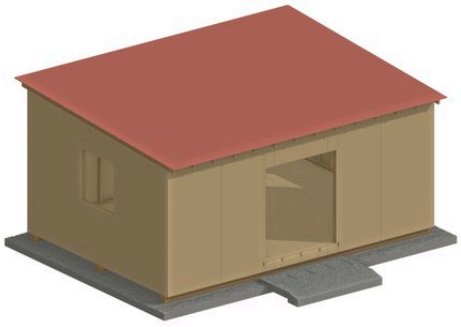
Roof plywood

Install twelve source-sized roof panels over the measured rafters and seam backing.

Twelve roof panels



Assembly



Part / material	Cut / fitted size	Qty
Roof plywood	59.25 x 48 in true face; 9/16 in thick	4
Roof plywood	91.75 x 48 in true face; 9/16 in thick	4
Roof plywood	96 x 48 in true face; 9/16 in thick	4

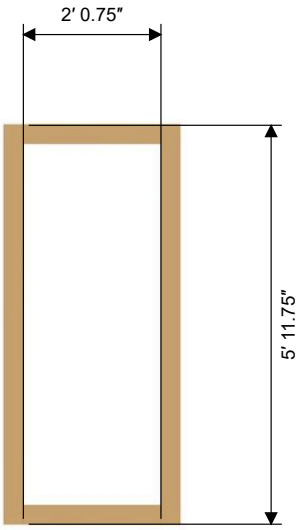
Deck247x192in: four each96x48in,91.75x48in and59.25x48in,9/16in normal thickness. Source4.375-in slope-end and3.5-in side projections require rated-panel/cantilever and fixing design.

STEP 18 / 25

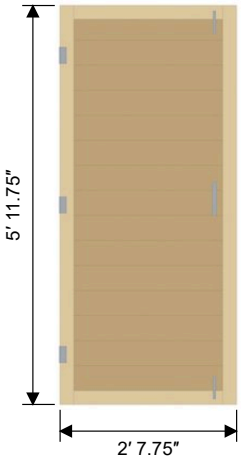
Door frames, plywood and cladding

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

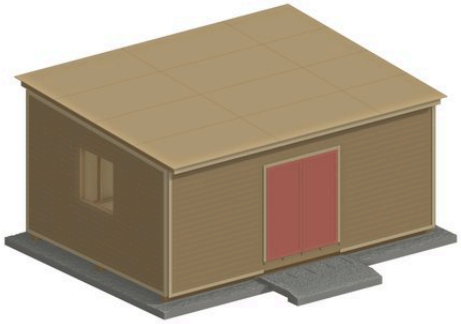
Door rails and stiles



Door exterior



Assembly



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

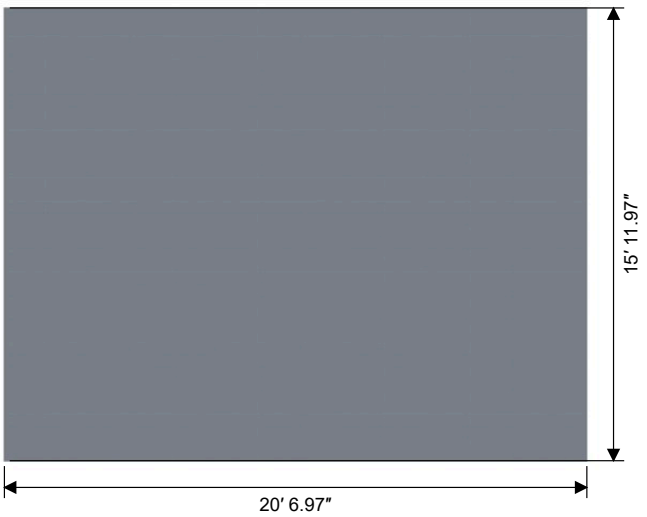
Check the independent leaf clearances and hinge mounting plane. Retain the source bolts; no decorative lattice is included.

STEP 21 / 25

Low-slope roof finish

Complete the roof with a system explicitly rated for the actual4-degree slope.

Source finish geometry; select rated low-slope system



Assembly



Part / material	Cut / fitted size	Qty
Rated low-slope roof system	329.333 sq ft net deck; add product laps/waste	Per product

Source shingles shown are illustrative; their 330-sq-ft allowance is not proof of low-slope compatibility. Follow the selected system for substrate, laps, flashings and finish.

14 X 20 FT LEAN-TO GARDEN SHED

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