THE DIYCRAFT PLAN COLLECTION

12 × 6

Lean-to Garden Shed Plan



FREE PREVIEW

13 selected steps + model views

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 6 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	**13**	**22**
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

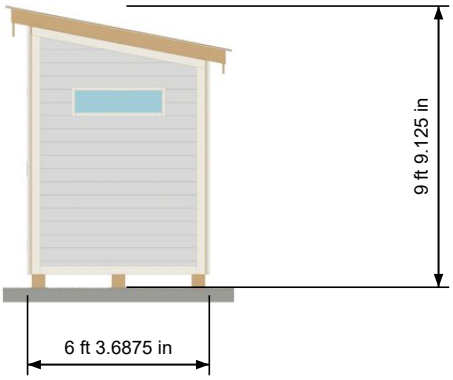
12 X 6 FT LEAN-TO GARDEN SHED

Size & Dimensions

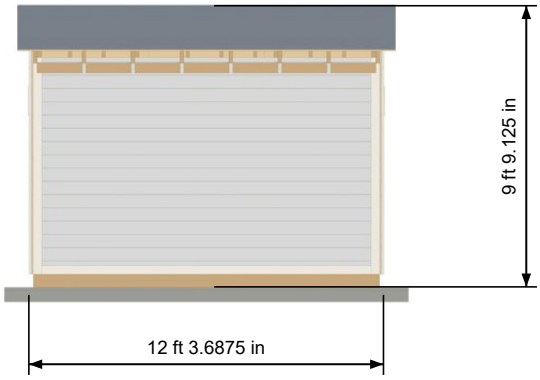
Front



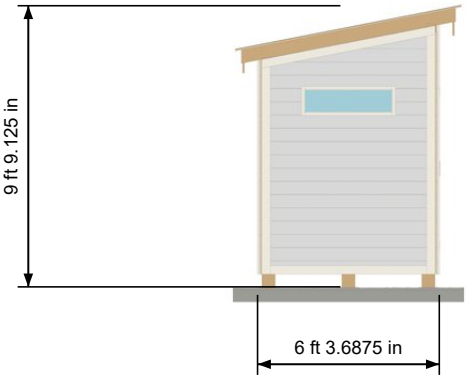
Right



Back



Left



MEASUREMENT BASIS

Width and depth are measured outside the finished siding and trim (147.7 in × 75.7 in). Height is measured from top of compacted gravel to the highest roof surface (117.096 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 6 FT LEAN-TO GARDEN SHED

Model View



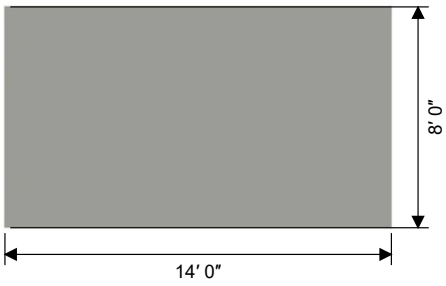


STEP 01 / 22

Compacted gravel base

Prepare, level and compact the gravel pad.

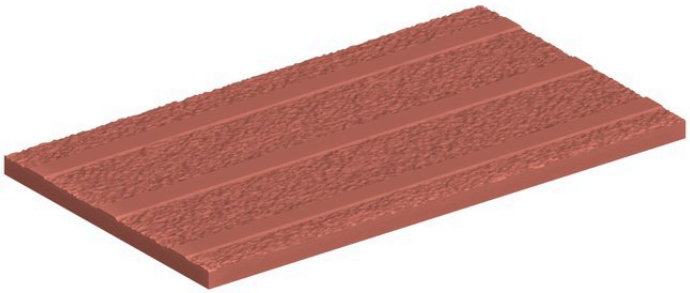
Compacted gravel pad



Combined pad depth



Assembly



Part / material	Cut / fitted size	Qty
Compacted pad	168 x 96 x 6 in	1
Compacted gravel	2.074 cu yd net; add supplier compaction allowance	To suit

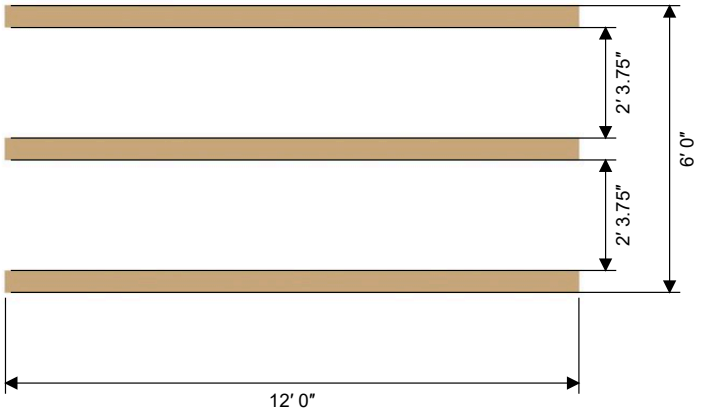
Provide continuous skid bearing; drainage, subgrade, frost depth and anchors require site design.

STEP 02 / 22

Treated timber skids

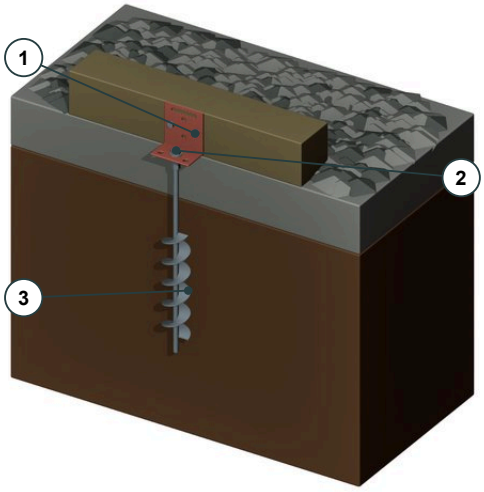
Set three treated skids level and secure the rated ground anchors.

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.

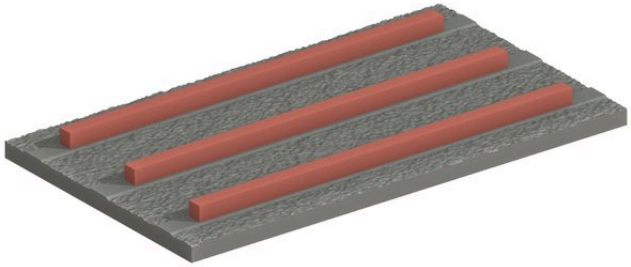
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



Part / material	Cut / fitted size	Qty
Ground-contact 6 x 6 skid	144 x 5.5 x 5.5 in	3

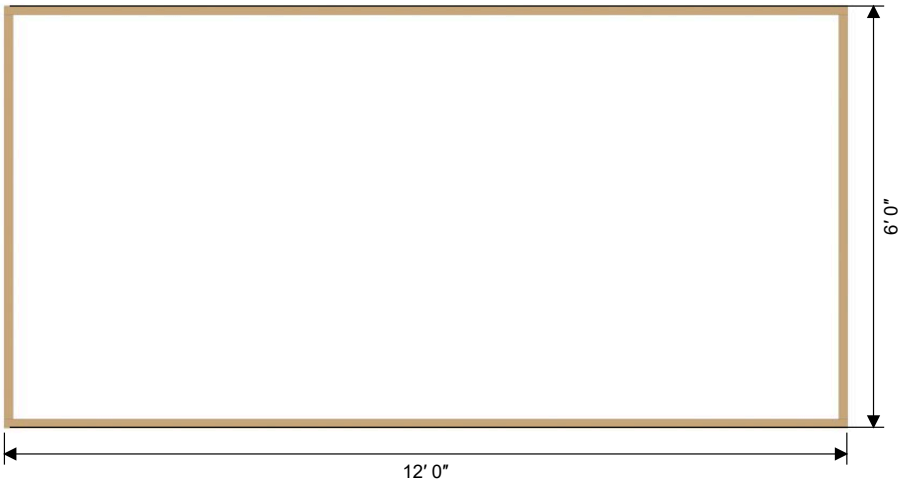
Actual 5.5 x5.5-in section. Use measured clear bays and supplier-rated anchors, brackets and listed fasteners.

STEP 03 / 22

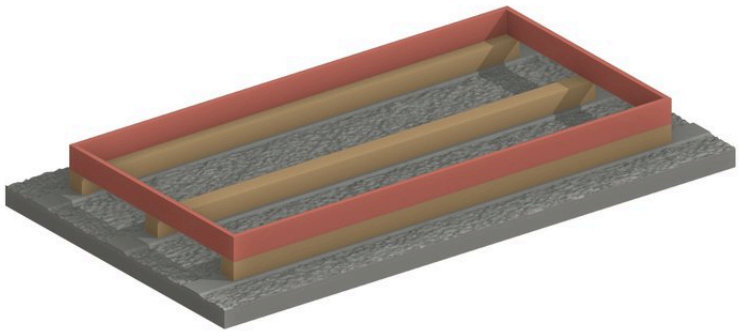
Floor perimeter

Square the two rims and two end joists over the skids.

Square the floor frame



Assembly



Part / material	Cut / fitted size	Qty
Floor rim	144 x 7.25 x 1.5 in	2
End joist	69 x 7.25 x 1.5 in	2

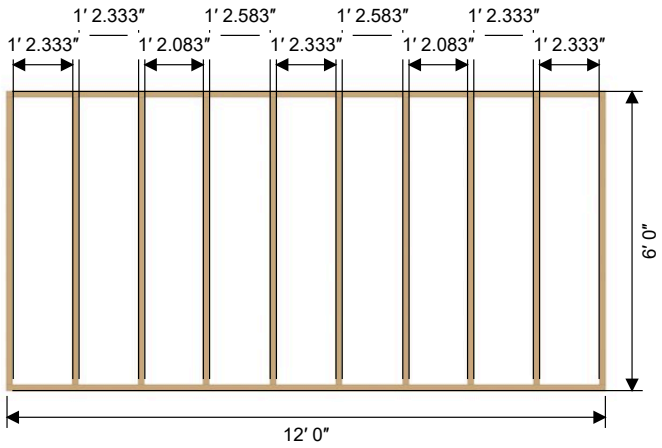
Compare diagonals before fixing. All three skids bear beneath the joists.

STEP 04 / 22

Floor joists

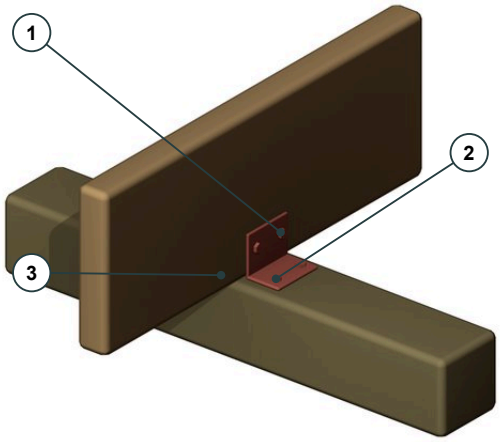
Set eight internal joists, with two centres beneath the floor seams.

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.

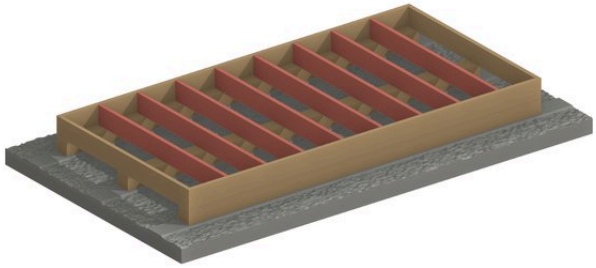
Hardware must suit treated timber.

Full skid foundation guide

Joist cut



Assembly



Part / material	Cut / fitted size	Qty
Internal 2 x 8 joist	69 x 7.25 x 1.5 in	8

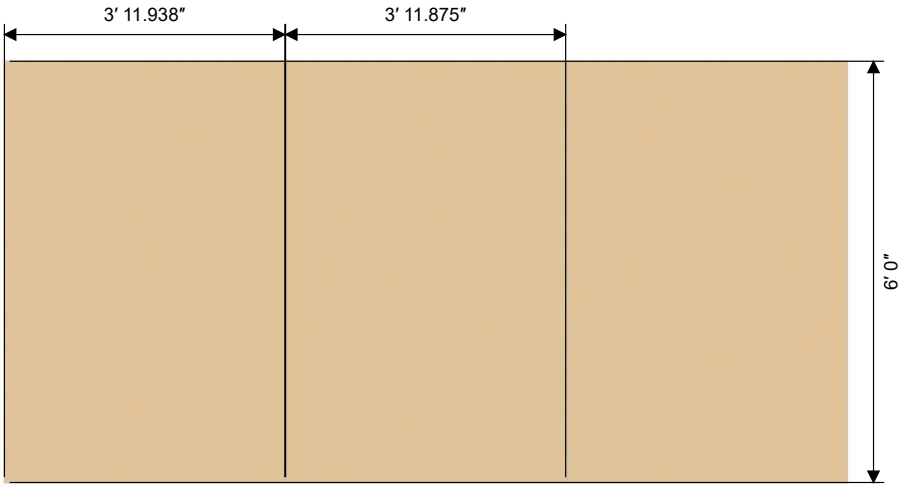
The two seam joists are centred at 48 and 96 in; other source stations are retained. Fix the frame with rated joist-to-skid connections.

STEP 05 / 22

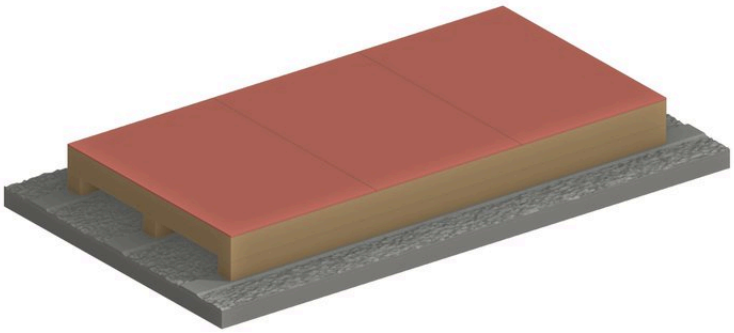
Floor plywood

Fit the three floor panels with every seam supported.

Three fitted floor panels



Assembly



Part / material	Cut / fitted size	Qty
9/16-in floor plywood	72 x 47.875 x 0.562 in	1
9/16-in floor plywood	72 x 47.938 x 0.562 in	2

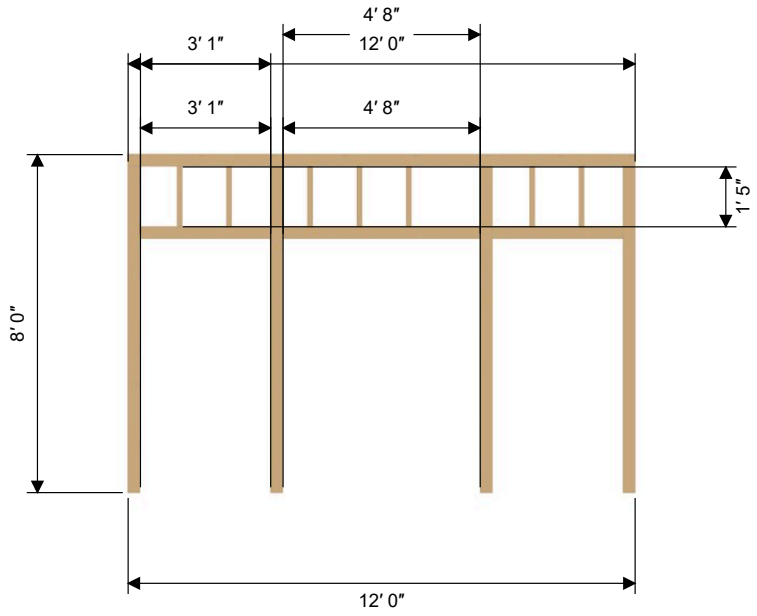
Nominal 48 x72-in source pieces fitted with 1/8-in seams. Current widths are 47.9375 /47.875 /47.9375 in; use product-approved fastening and edge gaps.

STEP 06 / 22

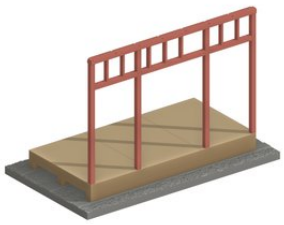
Front wall framing

Assemble and raise the front wall; temporarily brace plumb.

Front wall framing



Assembly



Part / material	Cut / fitted size	Qty
Vertical members	Cuts 17 in (7); 96 in (4)	11
Plates / headers	Cuts 37 in (4); 56 in (2); 144 in (2)	8

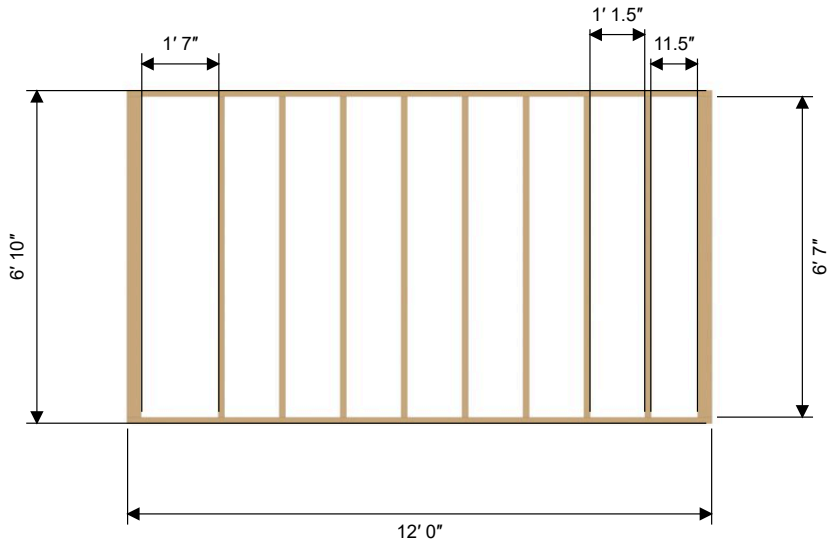
Retain fitted 3.5 x 3.5-in headers and 17-in cripples; source physical p14 uses 1.5-in-deep headers and 19-in cripples. Keep 96-in posts and 72-in rough openings. Side-butted header/cap connections and capacities require design.

STEP 07 / 22

Rear wall framing

Assemble and raise the rear wall; temporarily brace plumb.

Rear wall framing



Assembly



Part / material	Cut / fitted size	Qty
Vertical members	Cuts 79 in (10)	10
Plates / headers	Cuts 144 in (2)	2

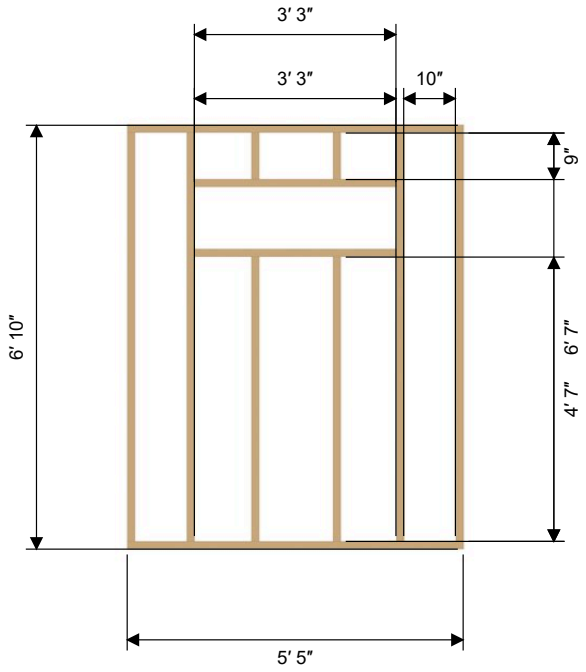
Source 79-in studs retained. Check plumb and brace before fitting the roof.

STEP 08 / 22

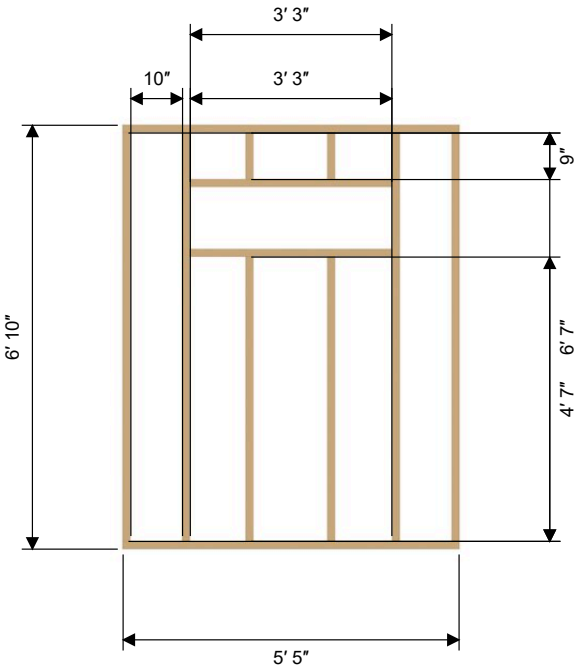
Side wall framing

Assemble and raise the two side walls; temporarily brace plumb.

Left wall framing



Right wall framing



Assembly



Part / material	Cut / fitted size	Qty
Vertical members	Cuts 9 in (4); 55 in (4); 79 in (8)	16
Plates / headers	Cuts 39 in (4); 65 in (4)	8

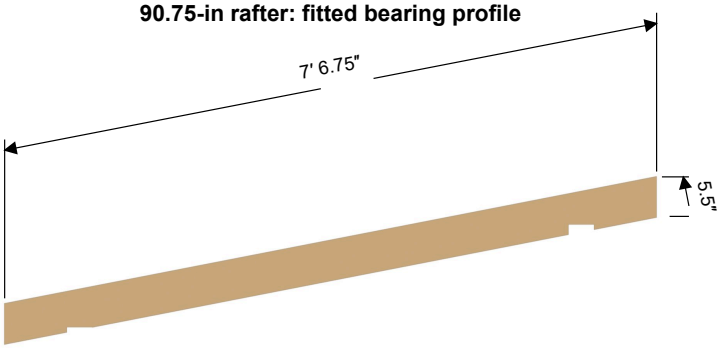
Both source 39-in headers/sills now contact full jambs at both ends. STUD-1 moved 1 in;55/9-in lower/upper cuts,15-in module and 12-in sash opening retained.

STEP 09 / 22

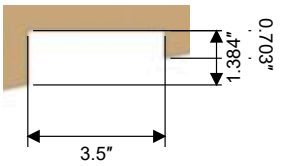
Rafters and bearings

Trial-fit one full-depth rafter to both cap bearings, then repeat at the measured stations.

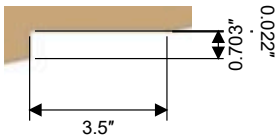
90.75-in rafter: fitted bearing profile



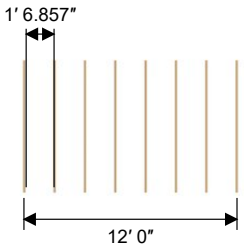
Full front cap bearing



Full rear cap bearing



Eight rafter stations



Assembly



Part / material	Cut / fitted size	Qty
Actual 1.5 x5.5-in rafters	90.75-in true length;11.004-degree pitch	8
Flat front / rear seats	3.5-in horizontal bearings	8 / 8

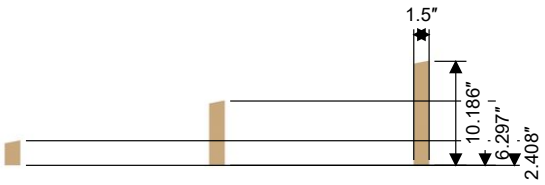
Roof datum lowered 0.6 in to retain true 5.5-in normal depth and full cap bearings. Actual notch depths shown supersede incompatible source N/P labels. Design roof restraint and structural connections.

STEP 10 / 22

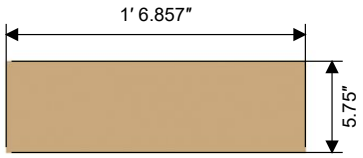
Side wedges and eave boards

Fit side wedge bevels, fourteen eave boards and sixteen corner braces.

Side wedge high cuts



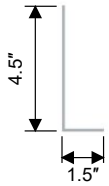
Eave boards between rafters



Rear eave board cut



Sheet-metal corner brace



Assembly



Part / material	Cut / fitted size	Qty
Side wedges	High cuts 2.408 in (2); 6.297 in (2); 10.186 in (2)	6
Eave boards	18.857-in clear fitted bays; heights shown	14
Metal L corner braces	1.5 x1.5 x4.5-in envelope;0.1-in sheet	16

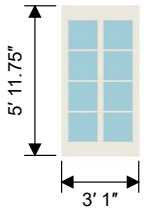
Retain all sixteen full source brace profiles. Wedge tops fit the corrected rafter underside; brace fasteners and capacities require rated selection.

STEP 17 / 22

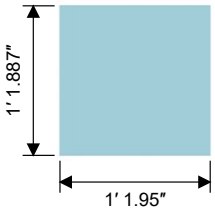
Fixed front glazing

Fit sixteen front panes and their retaining beads into the recessed frames.

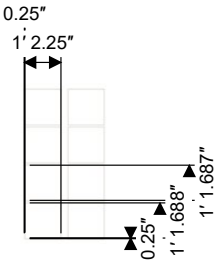
Fixed front window fitted assembly



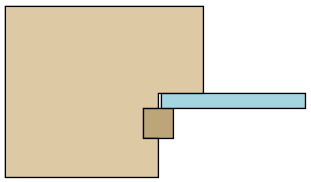
Fixed front window pane cuts



Fixed front window retaining beads



Glazing rebate - horizontal section



0.125 in glass thickness

3/8 in rebate; 1/4 in bead seat

Seals / edge clearance: supplier design

Assembly



Part / material	Cut / fitted size	Qty
Front panes,1/8 in	13.95 x13.8875-in fitted cuts	16
Retaining beads	Actual 1/4-in section; fitted lengths shown	64

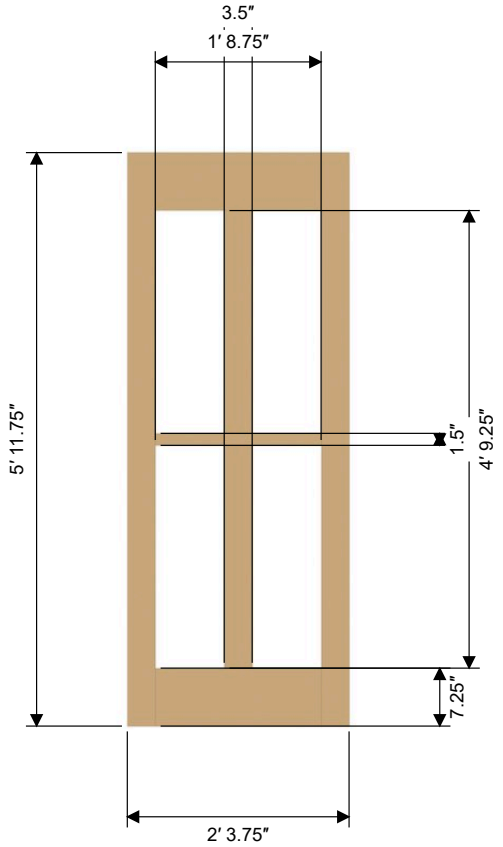
Source 14.25-in square panes conflict with the fitted openings.3/8-in rebates and bead seats follow the saved joinery; allow selected seals, safety glazing and supplier edge clearances before fabrication.

STEP 18 / 22

Glazed door frames

Assemble both fitted door frames and their half-lapped mullion/cross joints.

Glazed door leaf wood cuts



Half-lap - horizontal section



3.5 in mullion / lap width

0.75 in opposing half-lap depth

1.5 in total frame thickness

Assembly



Part / material	Cut / fitted size	Qty
Uprights / mullion	Finished cuts 57.25 in (1); 71.75 in (2)	6
Rails / cross pieces	Finished cuts 20.75 in (3)	6

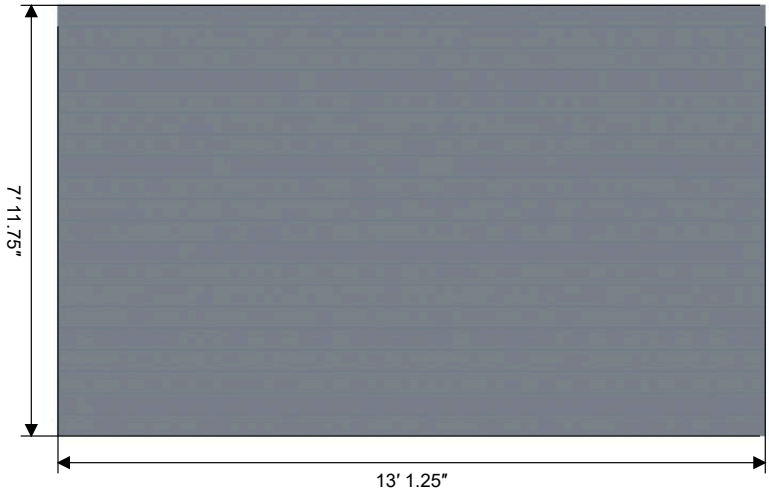
Each 27.75 x71.75-in leaf fits the 72-in source opening;79.5-in source upright is superseded. Actual 1.5-in thickness,3.5-in uprights and 7.25-in rails. Mill measured rebates and bead seats before glazing.

STEP 22 / 22

Roof finish

Install the complete shingle roof from low eave to high edge.

Full roof-finish coverage



Assembly



Part / material	Cut / fitted size	Qty
Asphalt shingles	Source 110 sqft allowance; verify laps and waste	Per product

Maintain source lean-to pitch and full roof coverage. Confirm the roofing product is rated for this 11.004-degree slope and follow its underlay, laps, edge flashing and fastening requirements.

12 X 6 FT LEAN-TO GARDEN SHED

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