THE DIYCRAFT PLAN COLLECTION

# 14 × 16

# Lean-to Garden Shed Plan



FREE PREVIEW

**10 selected steps + model views**

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

14 X 16 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

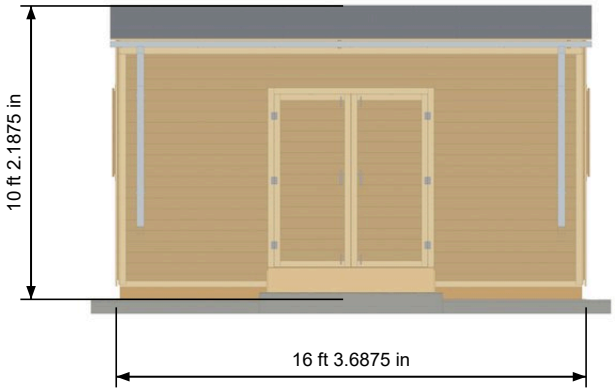
Design review draft; site and supplier details require verification.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

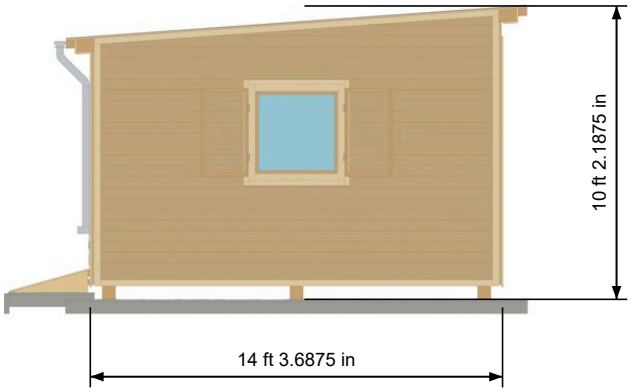
14 X 16 FT LEAN-TO GARDEN SHED

# Size & Dimensions

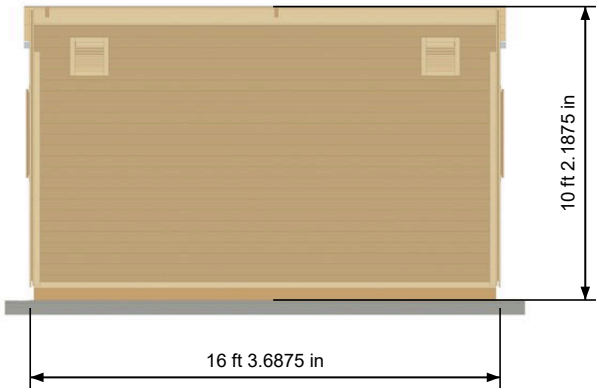
### Front



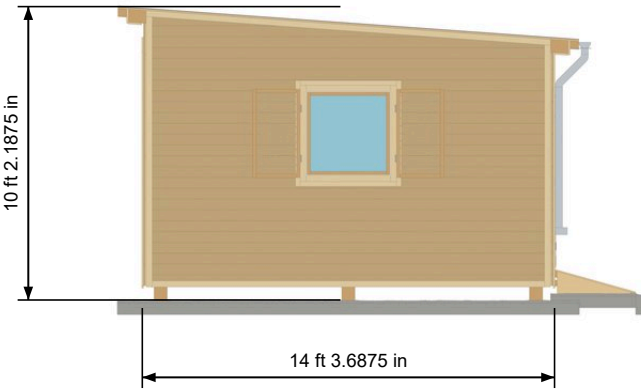

### Right




### Back




### Left




**MEASUREMENT BASIS**

Width and depth are measured outside the finished siding and trim (195.7 in × 171.7 in). Height is measured from top of main compacted gravel to the highest roof surface (122.193 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

14 X 16 FT LEAN-TO GARDEN SHED

# Model View



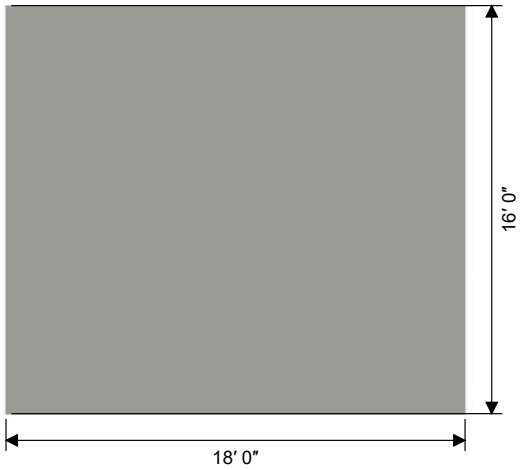


STEP 01 / 25

# Compacted gravel support

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

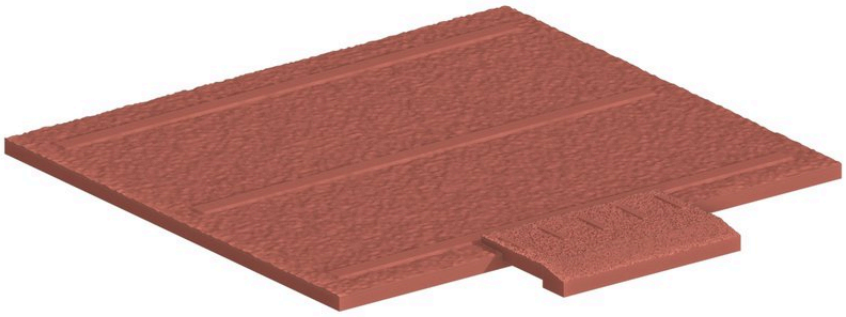
**Main pad; ramp support shown in assembly**




**Compacted main pad depth**




**Assembly**



| Part / material | Cut / fitted size | Qty |
|---|---|---|
| Main compacted gravel pad | 216 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 |

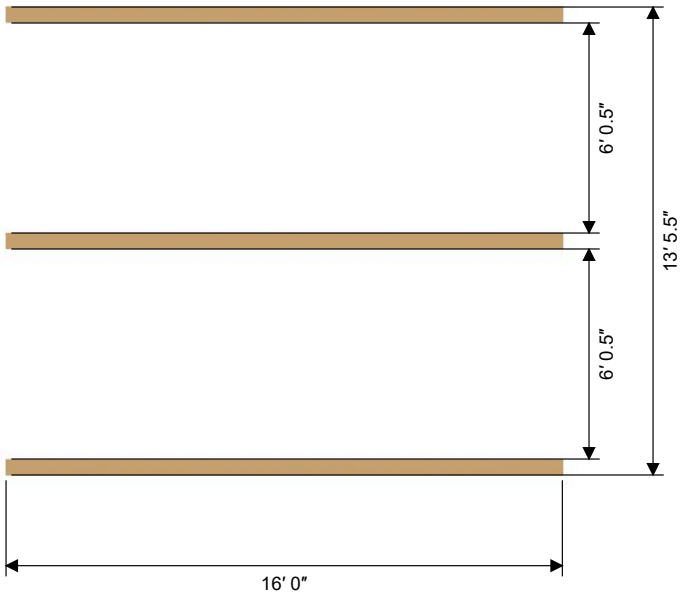
Main pad is 216 x 192 x 6 in. Ramp gravel rises to the source ground datum; compact and drain continuously. Confirm soil, frost, separator and anchorage design.

STEP 02 / 25

# Treated timber skids

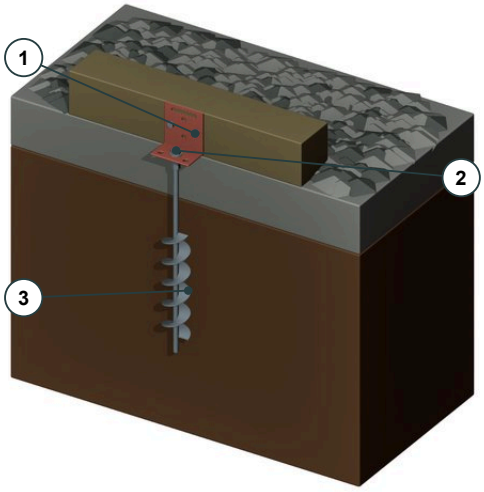
Set the three ground-contact skids level and parallel at the shown offsets.

**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.

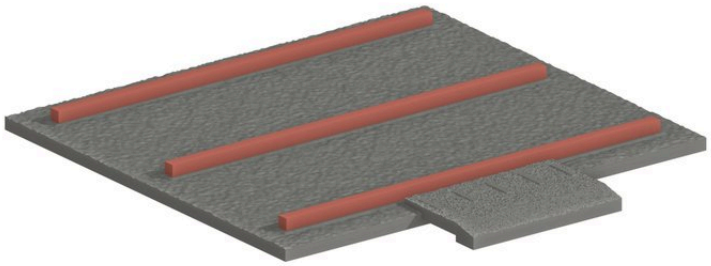
Hardware must suit treated timber.

Full skid foundation guide

**Skid cut**




**Assembly**



| Part / material | Cut / fitted size | Qty |
|---|---|---|
| Skid | 192 x 5.5 x 5.5 in envelope | 3 |

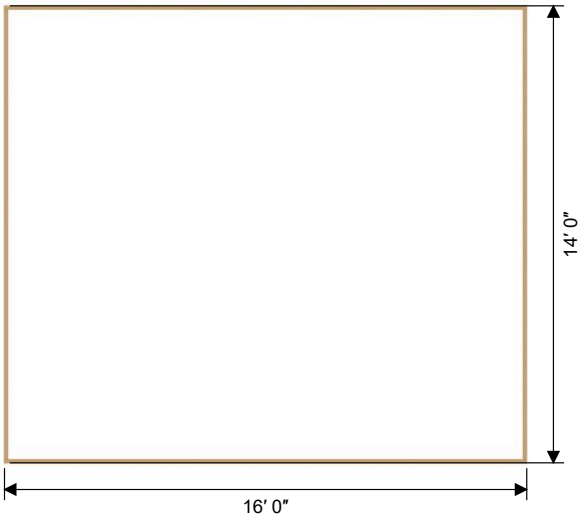
Skids are actual 5.5 x 5.5 x 192 in. Design the site restraints and frame-to-skid connections; no capacity is inferred.

STEP 03 / 25

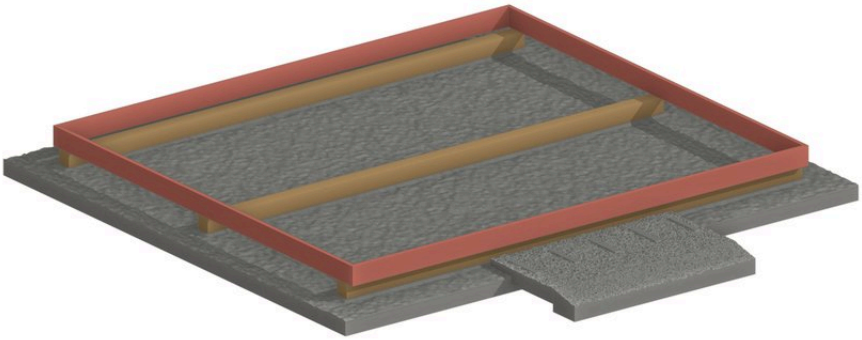
# Floor perimeter

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 | 192 x 7.25 x 1.5 in envelope | 2 |

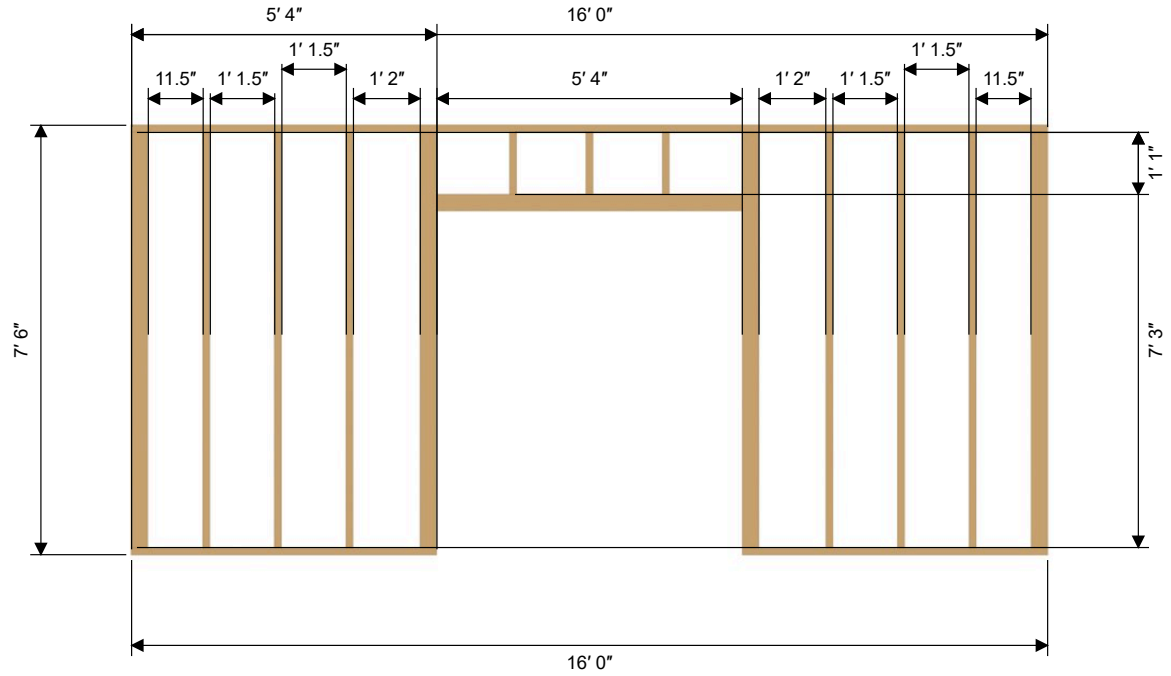
Use the actual rim/end-joist dimensions. Rated exterior structural connections require a design schedule.

STEP 06 / 25

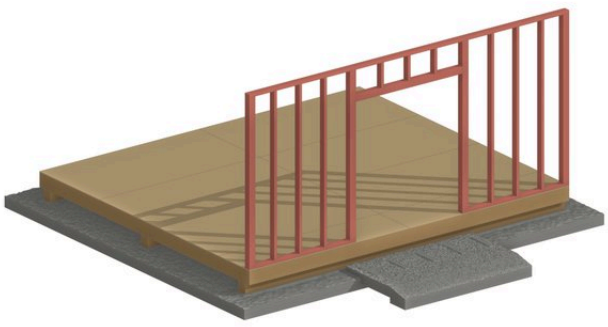
# Front wall framing

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 | 17 physical pieces; cuts and positions shown | 17 |

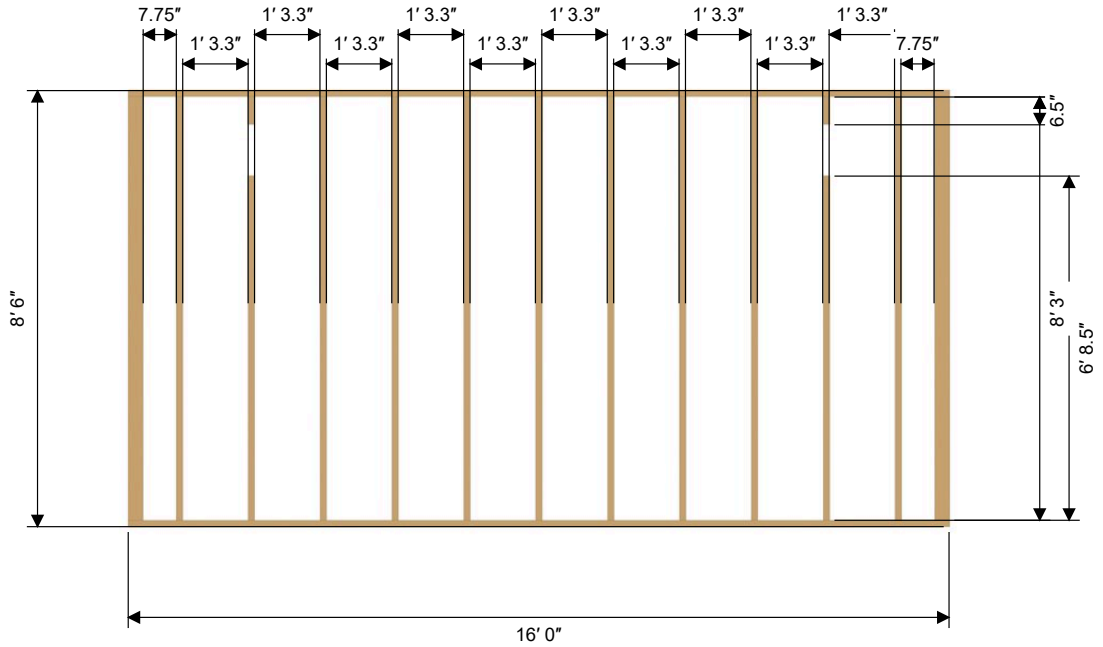
Source 64-in header is side-butted to jambs without specified jack bearing. Resolve the load path and connection design before construction.

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 | 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 | 9 |
| Rear framing | 99 x 3.5 x 3.5 in envelope | 2 |
| Rear framing | 192 x 3.5 x 1.5 in envelope | 2 |

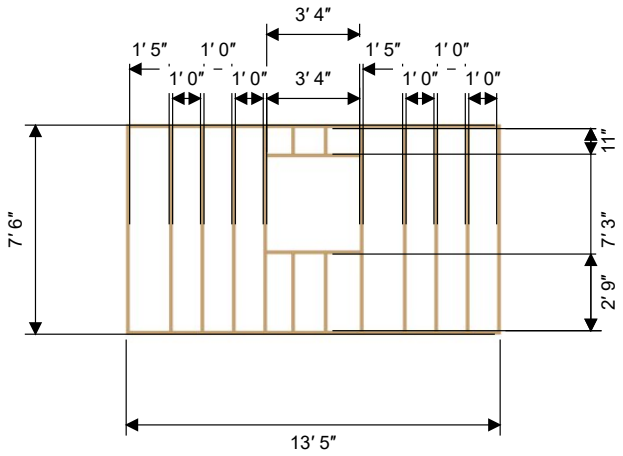
Use nine full 99-in studs, two 99-in corner posts and two vent-interrupted stations. The measured vent cuts and source thirteen-board allowance govern.

STEP 08 / 25

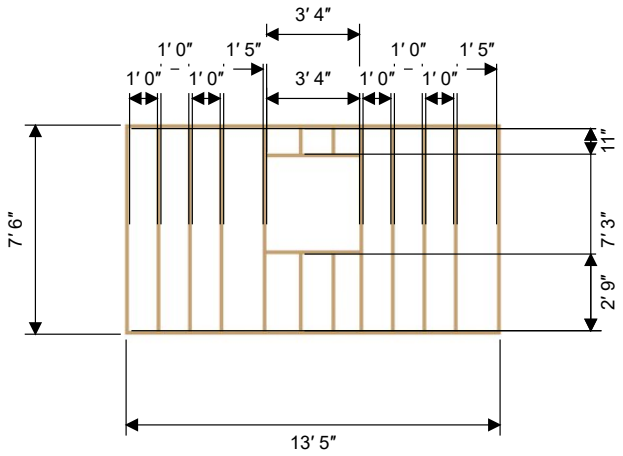
# Side wall framing

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 |

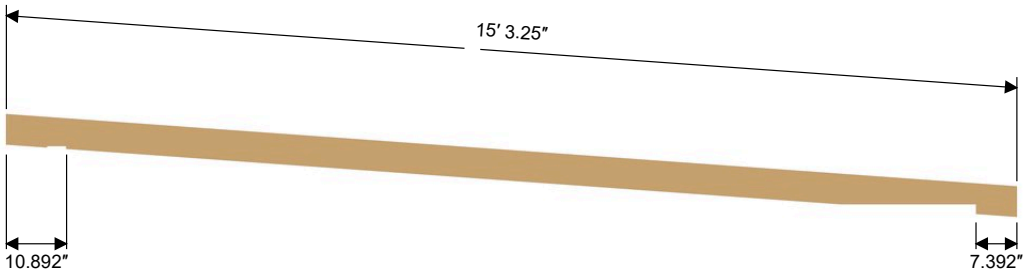
One full jamb per side moved 5 in to support both 40-in header/sill ends. Keep the 40-in opening and 87/33/11-in stud cuts; use measured stations and design the connections.

STEP 10 / 25

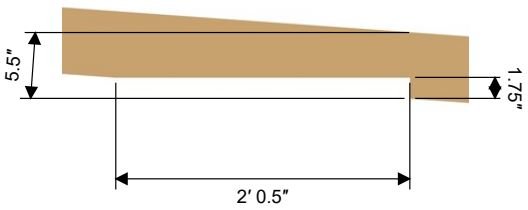
# Rafters and fitted bearing cuts

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

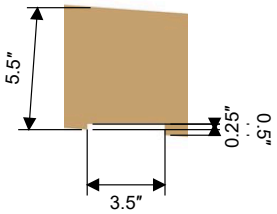
**4.086-degree fitted profile - design review**



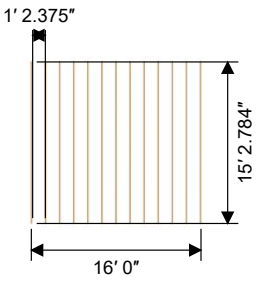

**Front fitted relief**




**Rear fitted relief**




**Thirteen rafters**




**Assembly**



| Part / material | Cut / fitted size | Qty |
|---|---|---|
| Common fitted rafter | 183.25 in top; actual 1.5 x 5.5 in stock | 13 |

DESIGN REVIEW:183.25-in top edge governs over183.75-in text/table. Actual12/168 rise gives4.086degrees; source4degrees is rounded. Fitted reliefs and full cap contacts shown; roof sections, cuts and connections require design.

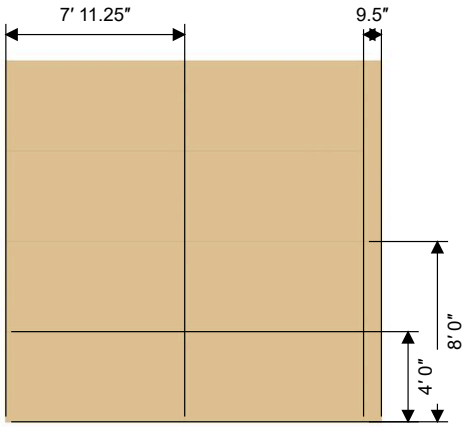
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 13 / 25

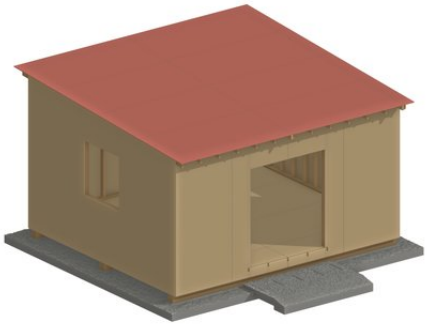
# Roof plywood

Install ten roof panels over rafters and measured seam backing.

**Ten roof panels**




**Assembly**



| Part / material | Cut / fitted size | Qty |
|---|---|---|
| Roof plywood | 9.5 x 96 in true face; 9/16 in thick | 2 |
| Roof plywood | 95.25 x 48 in true face; 9/16 in thick | 8 |

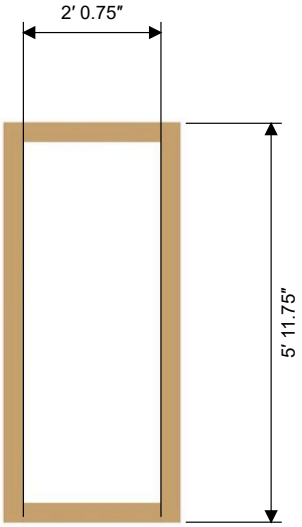
Deck200x192in: eight48x95.25-in panels plus two9.5x96-in fillers,9/16in thick. The source21.75-in filler conflicts with its200-in finished outline;9.5in governs. Source4.375-in slope-end projections and4-in side overhangs need rated-panel design.

STEP 18 / 25

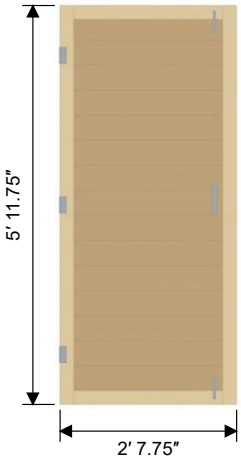
# Door frames, plywood and cladding

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

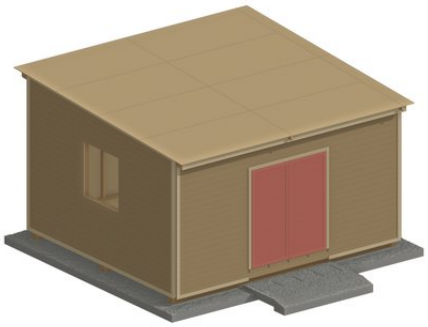
**Door rails and stiles**




**Door exterior**




**Assembly**



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

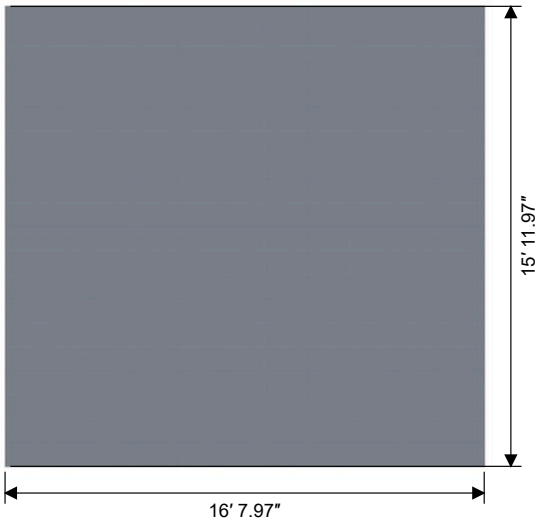
Check the independent leaf clearances and hinge mounting plane. Retain the source bolts; no decorative lattice is included.

STEP 21 / 25

# Low-slope roof finish

Complete the roof with a system explicitly rated for the actual4.086-degree slope.

**Source finish geometry; select rated low-slope system**




**Assembly**



| Part / material | Cut / fitted size | Qty |
|---|---|---|
| Rated low-slope roof system | 266.667 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.

14 X 16 FT LEAN-TO GARDEN SHED

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