THE DIYCRAFT PLAN COLLECTION

12 × 16

Garage Shed Plan



FREE PREVIEW

11 selected steps + model views

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 16 FT GARAGE 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	**11**	**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

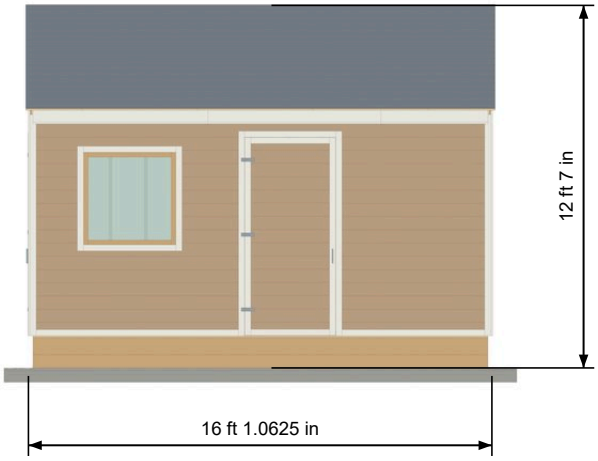
Local draft for review; publication pending

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

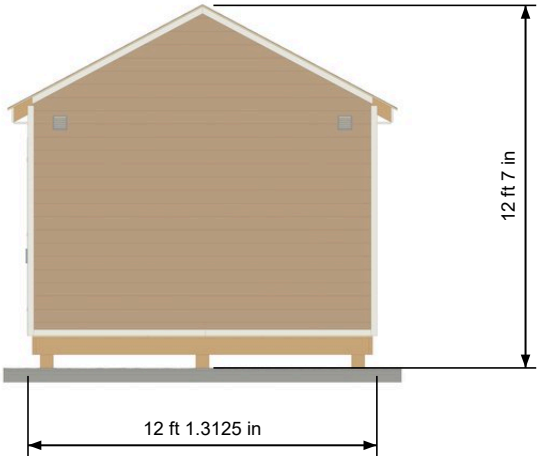
12 X 16 FT GARAGE SHED

Size & Dimensions

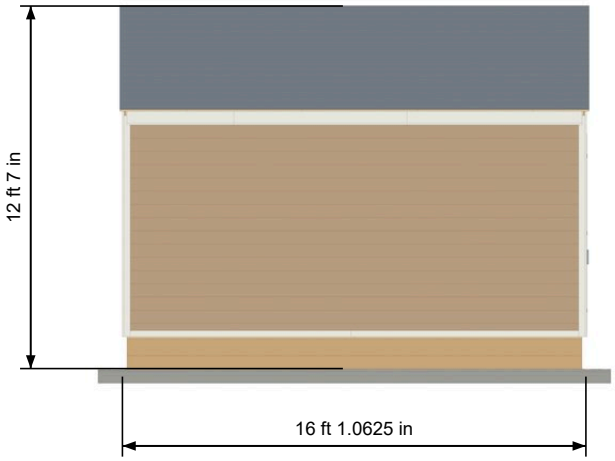
Front



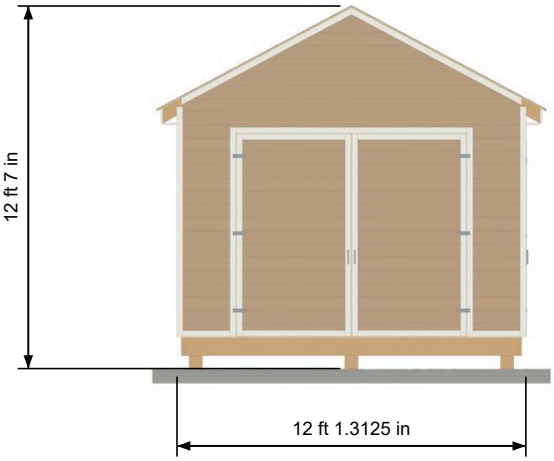
Right



Back



Left



MEASUREMENT BASIS

Width and depth are measured outside the finished siding and trim (193.05 in × 145.3 in). Height is measured from top of main compacted gravel to the highest roof surface (150.995 in). Roof overhang is excluded from wall width.

DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

12 X 16 FT GARAGE SHED

Model View



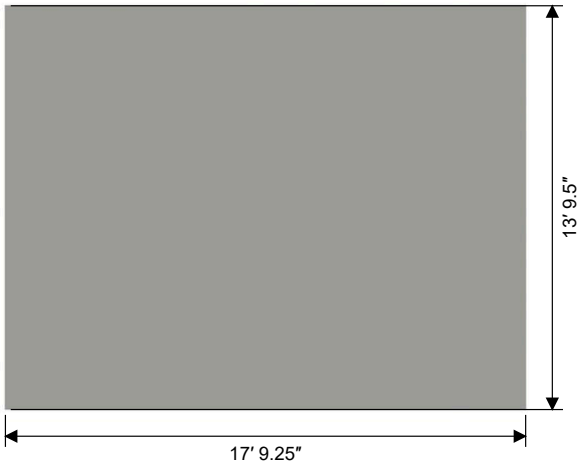


STEP 01 / 22

Compacted gravel support

Compact the main gravel pad to the fitted grade.

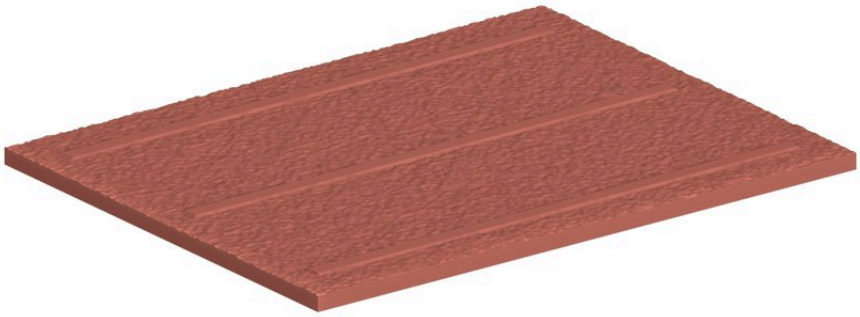
Main compacted gravel pad



Six-inch combined gravel depth



Assembly



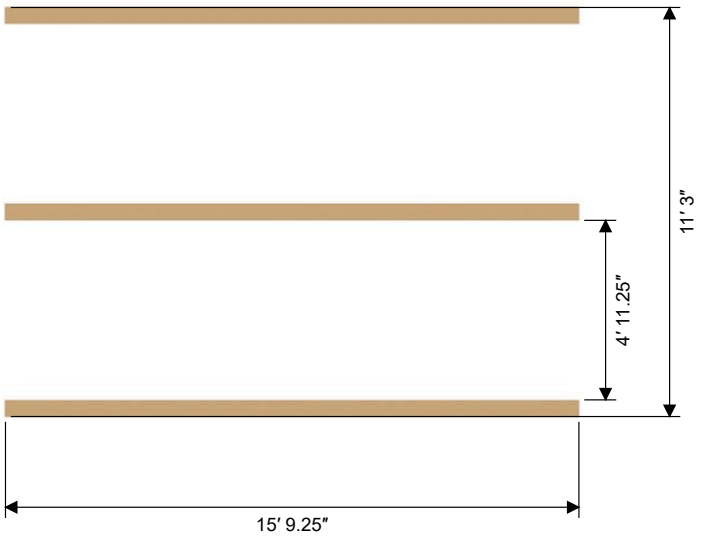
Use a 213.25 x 165.5 x 6-in net gravel envelope. Confirm soil, drainage, separation and anchorage design.

STEP 02 / 22

Treated timber skids

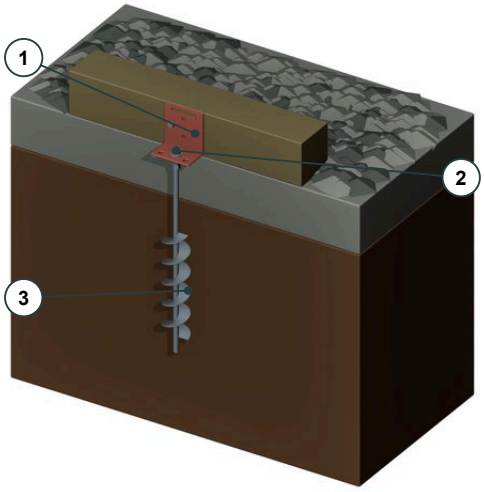
Set three ground-contact skids parallel and level.

Skid positions



Anchor the skid

Connection example - not to scale

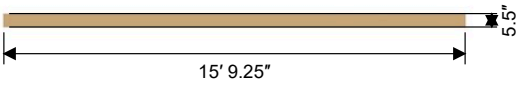


1 Fix the upright to the structural skid.
2 Bolt the foot to the anchor head.
3 Embed the spiral in soil below gravel.
Use the kit's specified timber fixings.
Anchor count and depth: per site design.

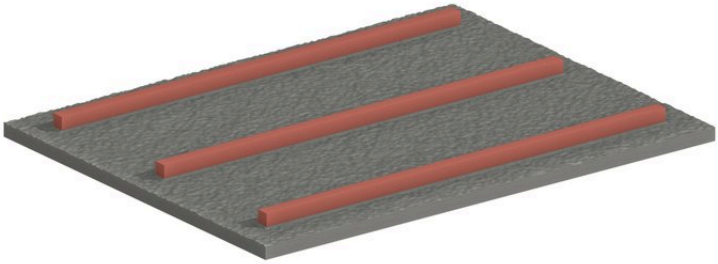
Hardware must suit treated timber.

Full skid foundation guide

Skid cut



Assembly



Part / material	Cut / fitted size	Qty
Skid	189.25 x 5.5 x 5.5 in fitted envelope	3

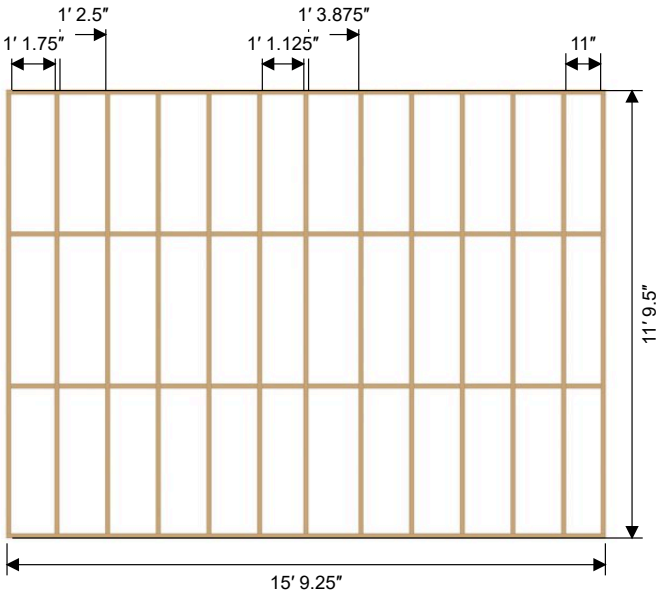
Skids are actual 5.5 x 5.5 x 189.25 in; centres at 6,70.75,135.5 in across the floor. This replaces source concrete under the owner foundation standard.

STEP 03 / 22

Floor frame and backing

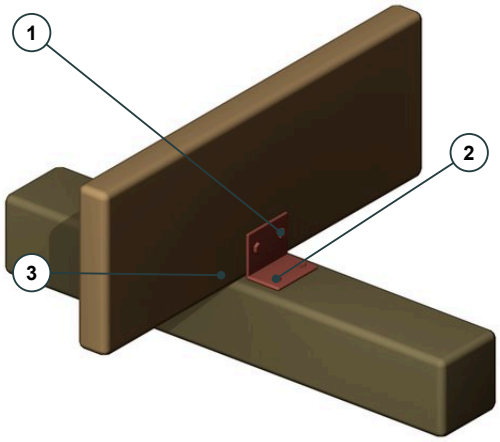
Assemble the floor frame and both rows of seam backing.

Joist layout and clear bays



Fasten the floor to the skid

Connection example - not to scale

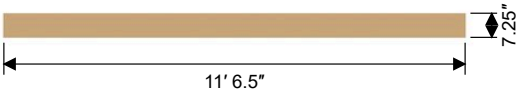


1 Fix the upright into the joist side.
2 Fix the base down into the skid.
3 Keep the joist fully seated on the skid.
Use a rated connector and its listed fasteners at each specified connection.

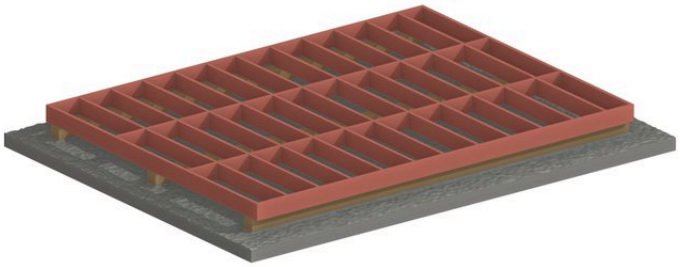
Hardware must suit treated timber.

Full skid foundation guide

Joist cut



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	39 physical parts; cuts and positions shown	39

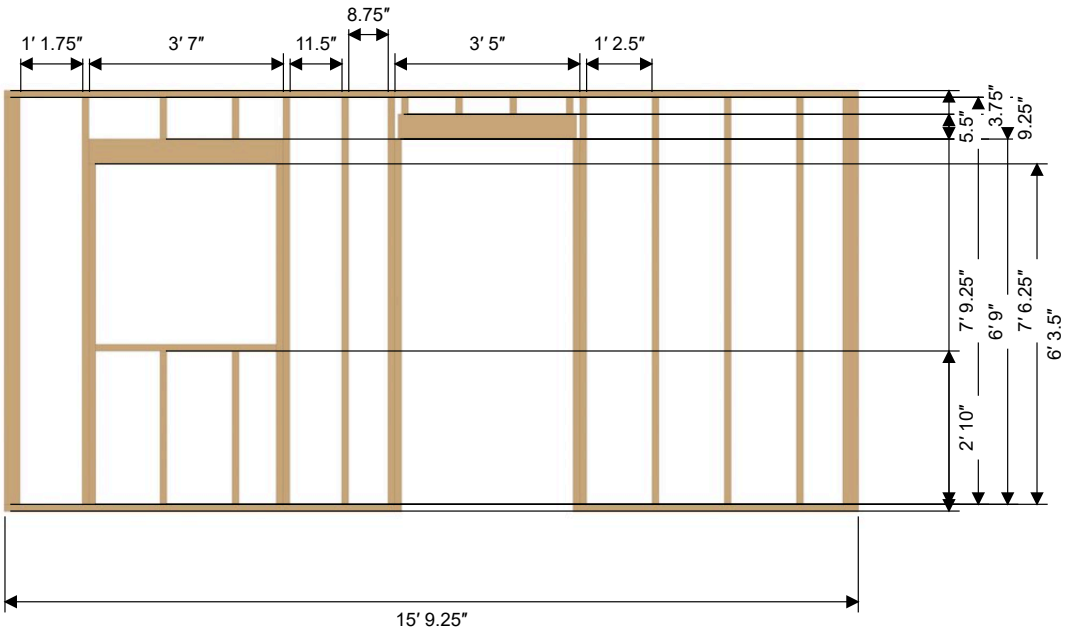
Introduced actual 1.5 x 7.25-in frame bears on all three skids. The source concrete floor is replaced; vehicle loading, panel span and connection design are unresolved. Finished floor is13.375in above the main gravel grade. Vehicle/personnel access approaches and drainage require site design; no drive-on access is specified.

STEP 05 / 22

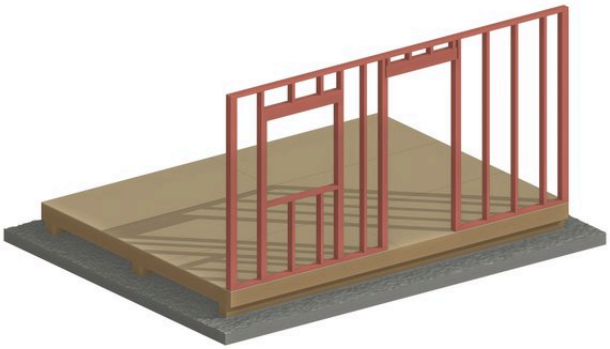
Front wall framing

Assemble the source front wall with its personnel doorway and window opening.

Front wall framing



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	32 physical parts; cuts and positions shown	32

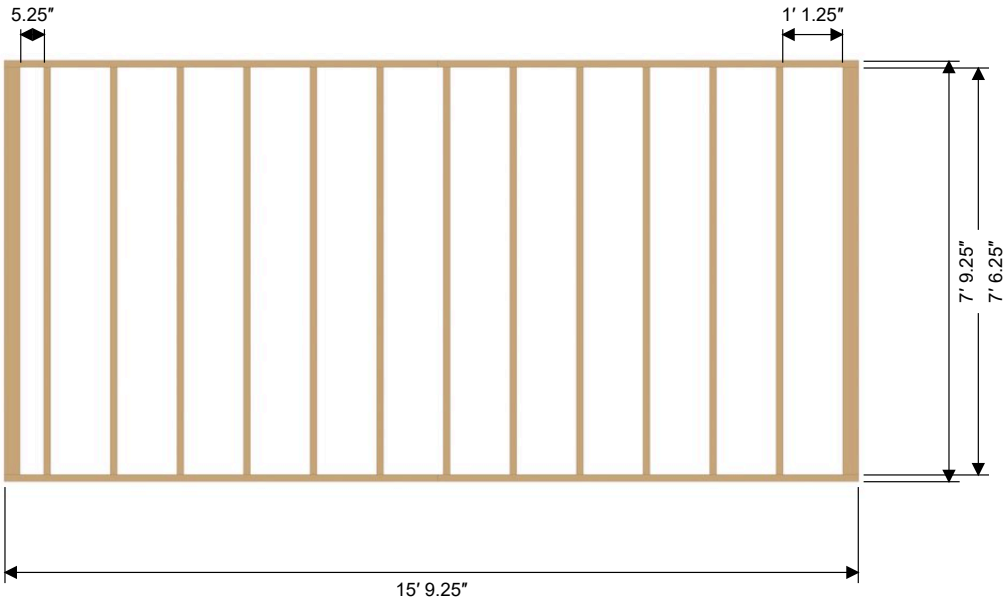
Personnel opening 38 x 82.5 in; window 40 x 40 in. Front frame 189.25 in; main studs 90.25 in. The model fits source sections and records inferred offsets and partial header bearings; resolve capacity and joints.

STEP 06 / 22

Rear wall framing

Assemble the rear wall and square its corners.

Rear wall framing



Assembly



Part / material	Cut / fitted size	Qty
Bk	90.25 x 3.5 x 1.5 in fitted envelope	12
Bk	90.25 x 3.5 x 3.5 in fitted envelope	2
Bk	93.25 x 3.5 x 1.5 in fitted envelope	2
Bk	96 x 3.5 x 1.5 in fitted envelope	2

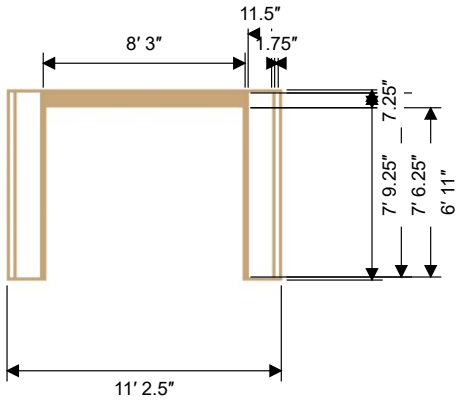
Twelve main studs and two 3.5-square corner posts use 90.25-in cuts. The 93.25/96-in first plates close the 189.25-in wall.

STEP 07 / 22

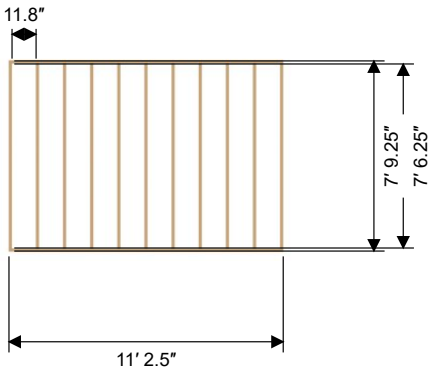
Side wall framing

Assemble the left vehicle-entrance wall and the closed right wall.

Left wall framing



Right wall framing



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	30 physical parts; cuts and positions shown	30

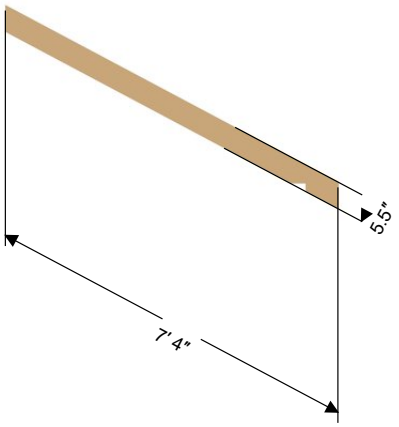
Both fit 134.5 in between the front/rear walls. Left opening 96 x 84.5 in with paired source 2 x 8 headers. Source nominal width differs.25 in from the fitted assembly; use measured cuts.

STEP 09 / 22

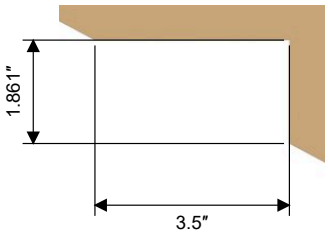
Rafters and collar ties

Set nine mirrored rafter pairs and fit seven side-fastened collar ties.

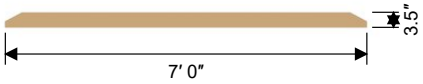
One common28-degree pattern; mirror for other slope



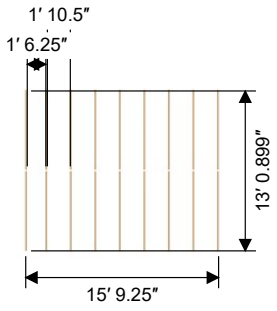
Triangular bearing on actual cap



Seven fitted collar ties



Nine source rafter pairs



Assembly



Part / material	Cut / fitted size	Qty
Common rafters	88-in true top;1.5x5.5-in normal stock	18
Collar ties	84-in bottom;1.5x3.5-in stock; bevel ends	7

Source rafters retain 88-in true tops and 28-degree pitch with actual 1.5 x 5.5 normal stock. Full 3.5-in seats clear actual caps; collar 84-in bottoms and fitted bevels supersede conflicting datum labels. Roof capacity and spread restraint require design.

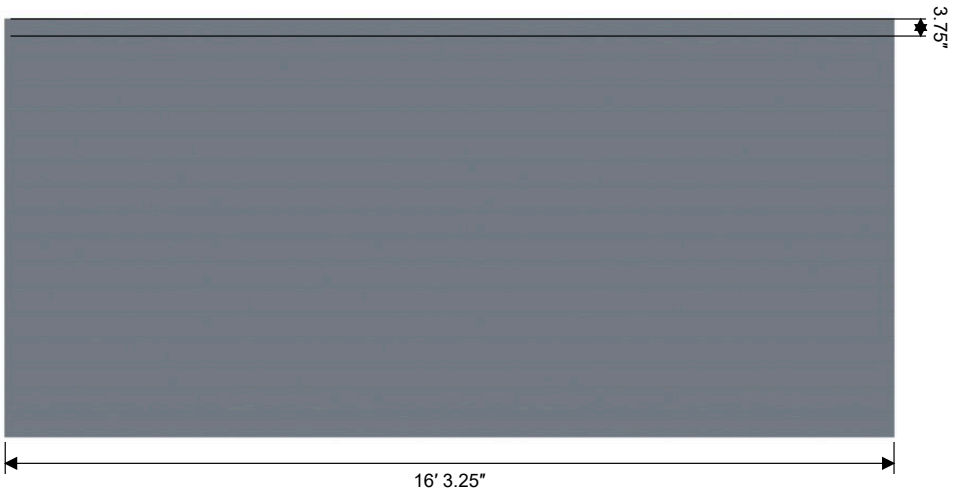
DESIGN REVIEW DRAFT - SITE FOUNDATION SCHEDULE REQUIRED

STEP 17 / 22

Roof finish

Complete the roof with compatible underlay, flashings and a rated finish.

Source shingle courses; choose compatible roofing



Assembly



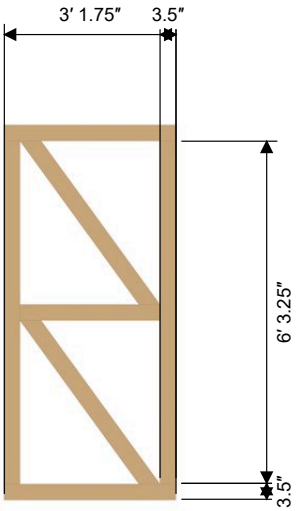
Shown shingle courses are schematic. Follow the selected product for the 28-degree slope, substrate, laps, fastening, wind restraint, ridge and edge details; use measured net roof area plus product allowances.

STEP 18 / 22

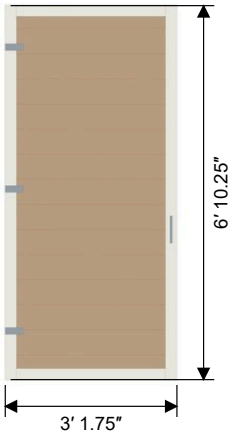
Personnel door

Build the personnel-door frame, fit its plywood and apply siding and trim.

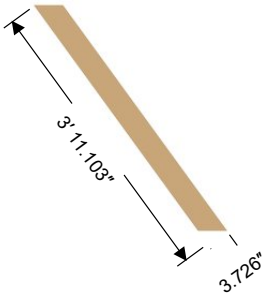
Access frame and braces



Access exterior



Fitted diagonal; mill from2x6 blank



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	27 physical parts; cuts and positions shown	27

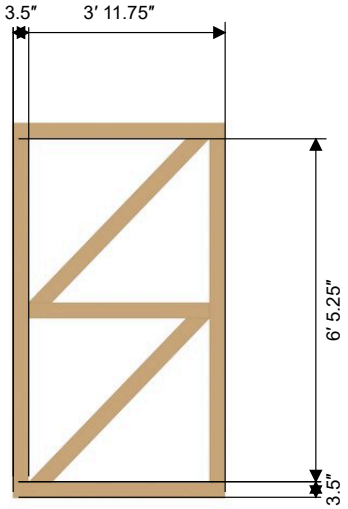
Finished leaf 37.75 x 82.25 in in a 38 x 82.5 opening. Frame rails, stiles and two fitted braces have separate solids; source joint/cut conflicts are reconciled to the actual opening. Select seals and threshold details. The fitted diagonal profiles require 2 x 6 actual 1.5 x 5.5-in raw blanks, milled to the measured widths; source 2 x 4 brace labels are superseded.

STEP 19 / 22

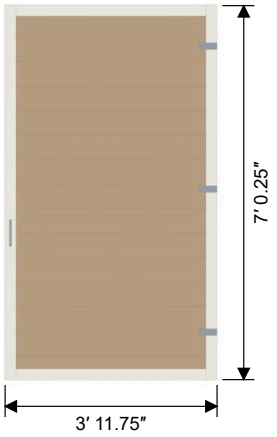
Paired vehicle doors

Build and hang the two source swing vehicle-door leaves.

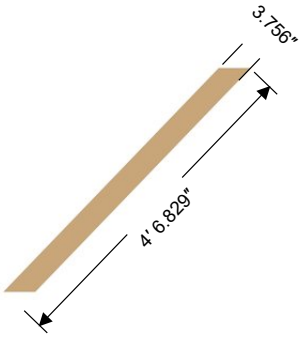
Vehicle-L frame and braces



Vehicle-L exterior



Fitted diagonal; mill from2x6 blank



Assembly



Part / material	Cut / fitted size	Qty
Fitted members	56 physical parts; cuts and positions shown	56

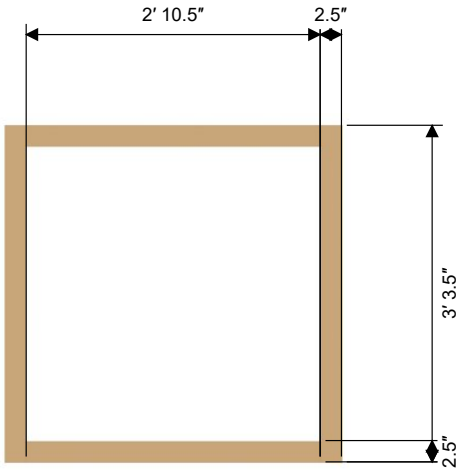
Each leaf 47.75 x 84.25 in fits the 96 x 84.5 opening with 1/8-in outside and 1/4-in centre gaps. Frame stiles 77.25 in plus two 3.5-in rails close the height. The alternative lifting door is omitted. The fitted diagonal profiles require 2 x 6 actual 1.5 x 5.5-in raw blanks, milled to the measured widths; source 2 x 4 brace labels are superseded.

STEP 21 / 22

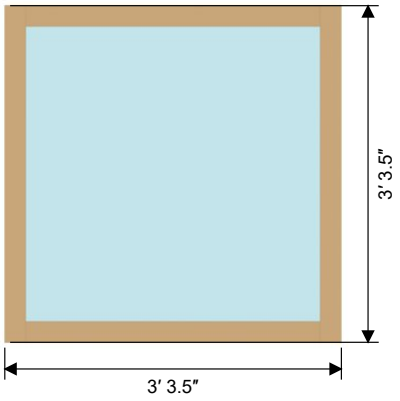
Fixed glazed front window

Fit the fixed grooved front window and its glazing.

Grooved source frame; glass omitted



Fixed front window frame and glazing



Assembly



Part / material	Cut / fitted size	Qty
Window	34.5 x 2.5 x 1.5 in fitted envelope	2
Window	39.5 x 2.5 x 1.5 in fitted envelope	2

Outer frame 39.5 in square, actual 1.5 x 2.5-in stock; source 35.25-in-square glass occupies routed grooves. Corner connections, beads, seals, safety glazing and order sizes require supplier selection.

12 X 16 FT GARAGE SHED

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