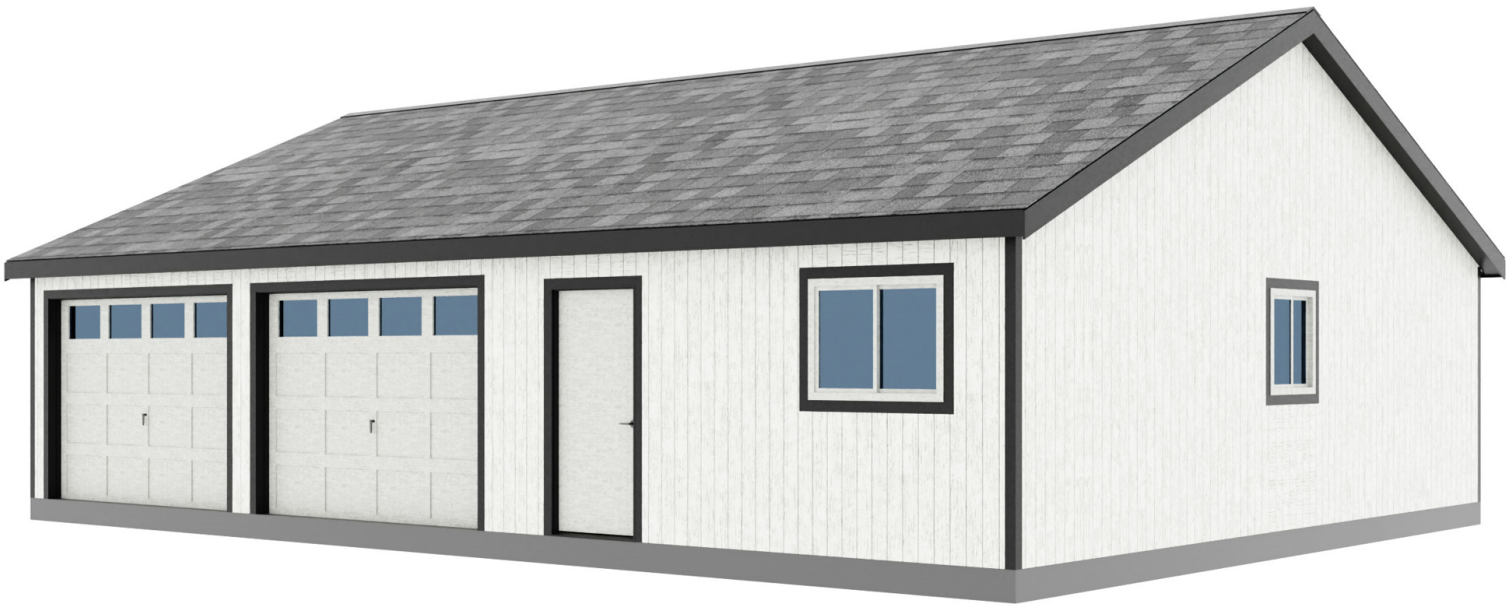
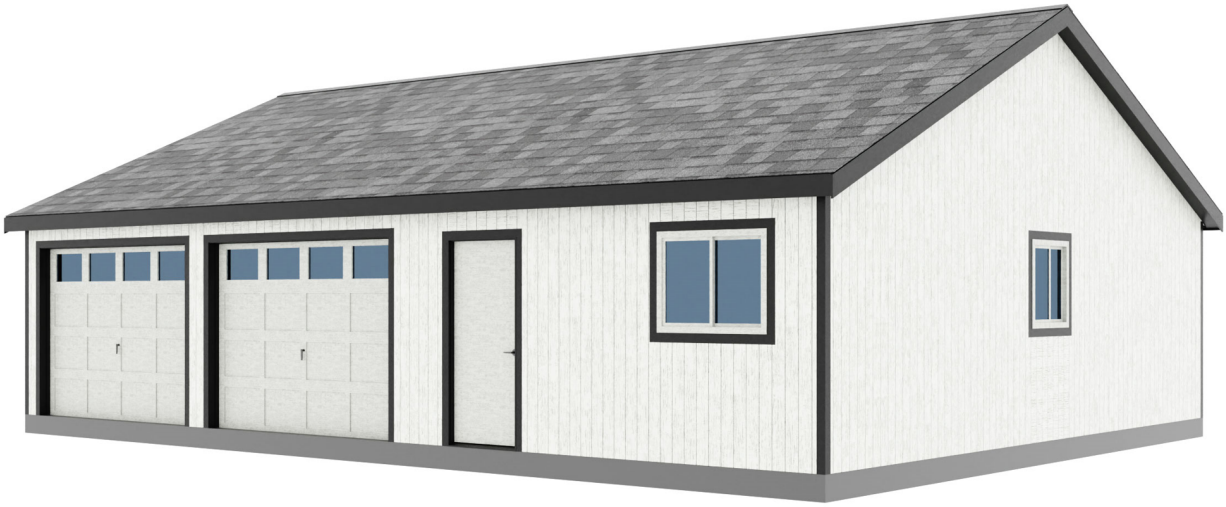
ShedPlans®
.org



# 30'x40' Garage Shed Plan

# Compare our Free vs. Premium plan

**This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.**



**Check out the benefits you would get with our premium edition:**

| Features | Free plan | Premium edition |
|---|---|---|
| Steps count | 14 | 28 |
| Illustrations for Each Step | ✓ | ✓ |
| Print Ready | ✓ | ✓ |
| Step By Step Instructions | ✓ | ✓ |
| Full Materials and Cuttings List | ✗ | ✓ |
| Additional Illustrations | ✗ | ✓ |
| Additional Blueprints | ✗ | ✓ |
| Tools List | ✗ | ✓ |
| Fastening Elements List | ✗ | ✓ |
| Technical Support | ✗ | ✓ |

BUY NOW

# 30' x 40' Garage Shed Material List

## Site Preparation

- Concrete
- Bricks

## Bottom Frame

- Pressure-Treated Lumber
- Plywood

## Wall Frames

- Pressure-Treated Lumber

## Shed’s Roof

- Pressure-Treated Lumber
- Plywood
- Building paper
- Asphalt shingles
- Metal drip edge

## Shed's Door

- Pressure-Treated Lumber
- Wood siding boards
- Plywood

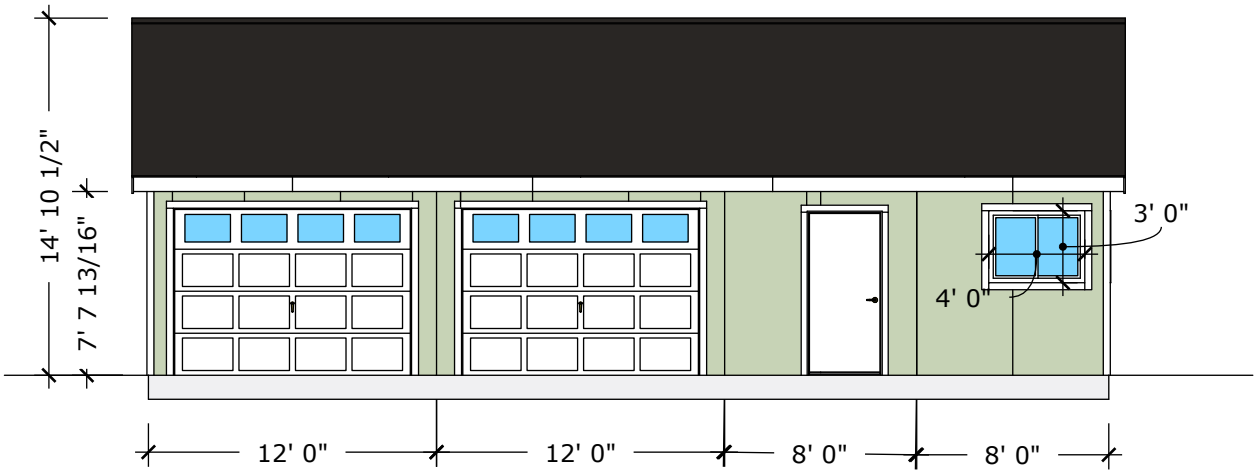
## Fasteners & Hardware

- Door hinges
- Door pulls
- Surface bolt
- Window lock
- Wood square louver gable vent
- Galvanized nails
- Wood screws

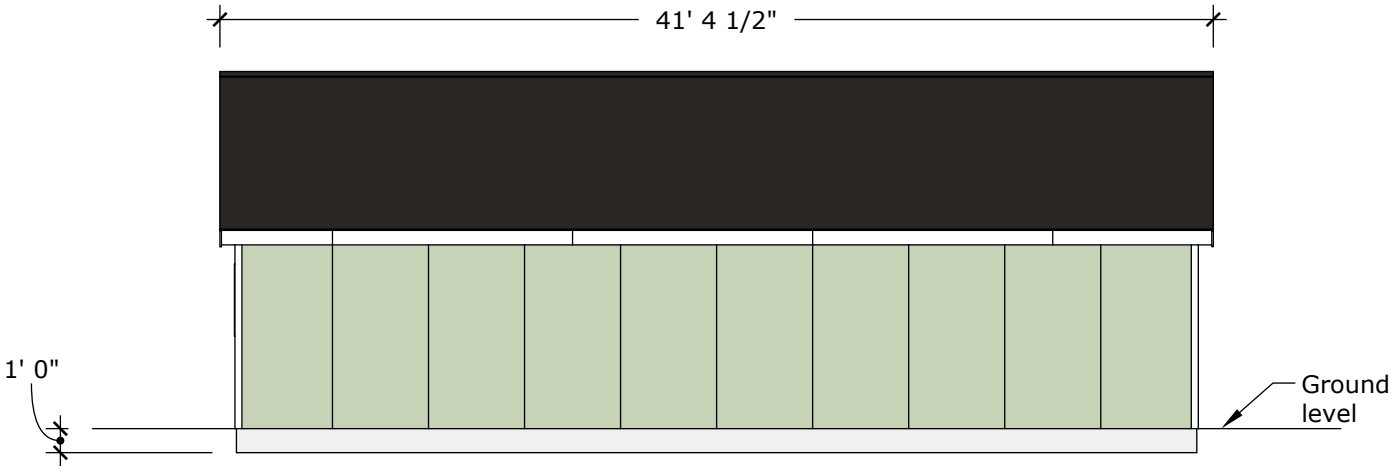
## Shed's Window

- Pressure-Treated Lumber
- Window beading
- Glass

# Size & Dimensions

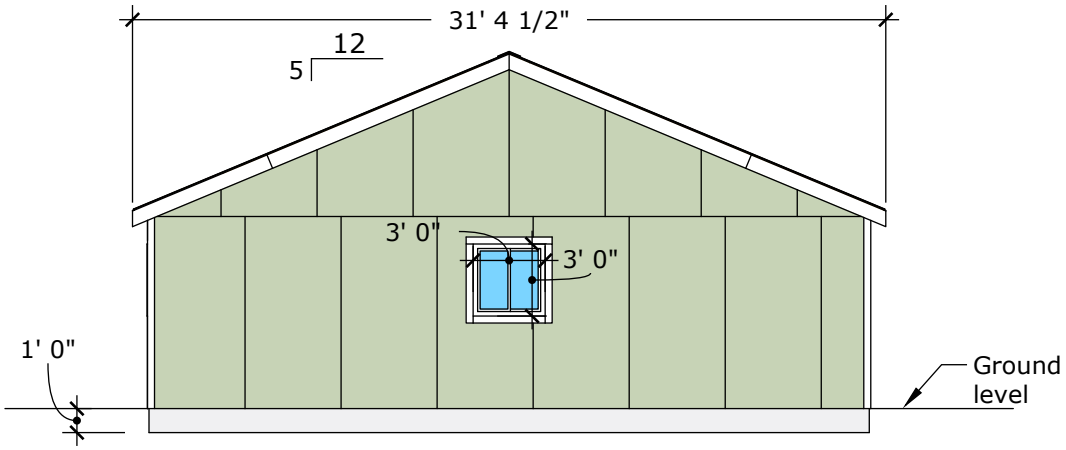



Front elevation
(with doors and window)

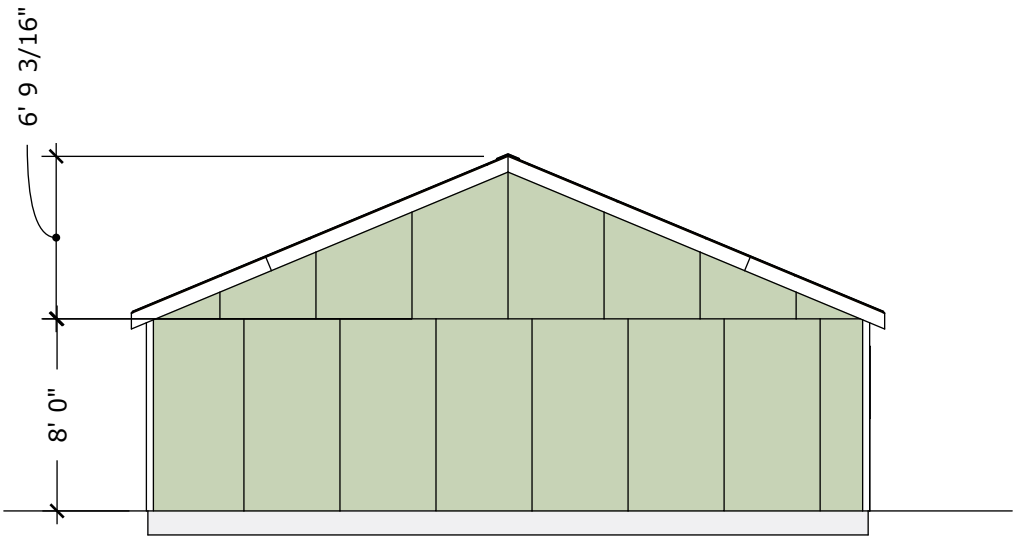



Back elevation

1/8" = 1'-0" (1:96)



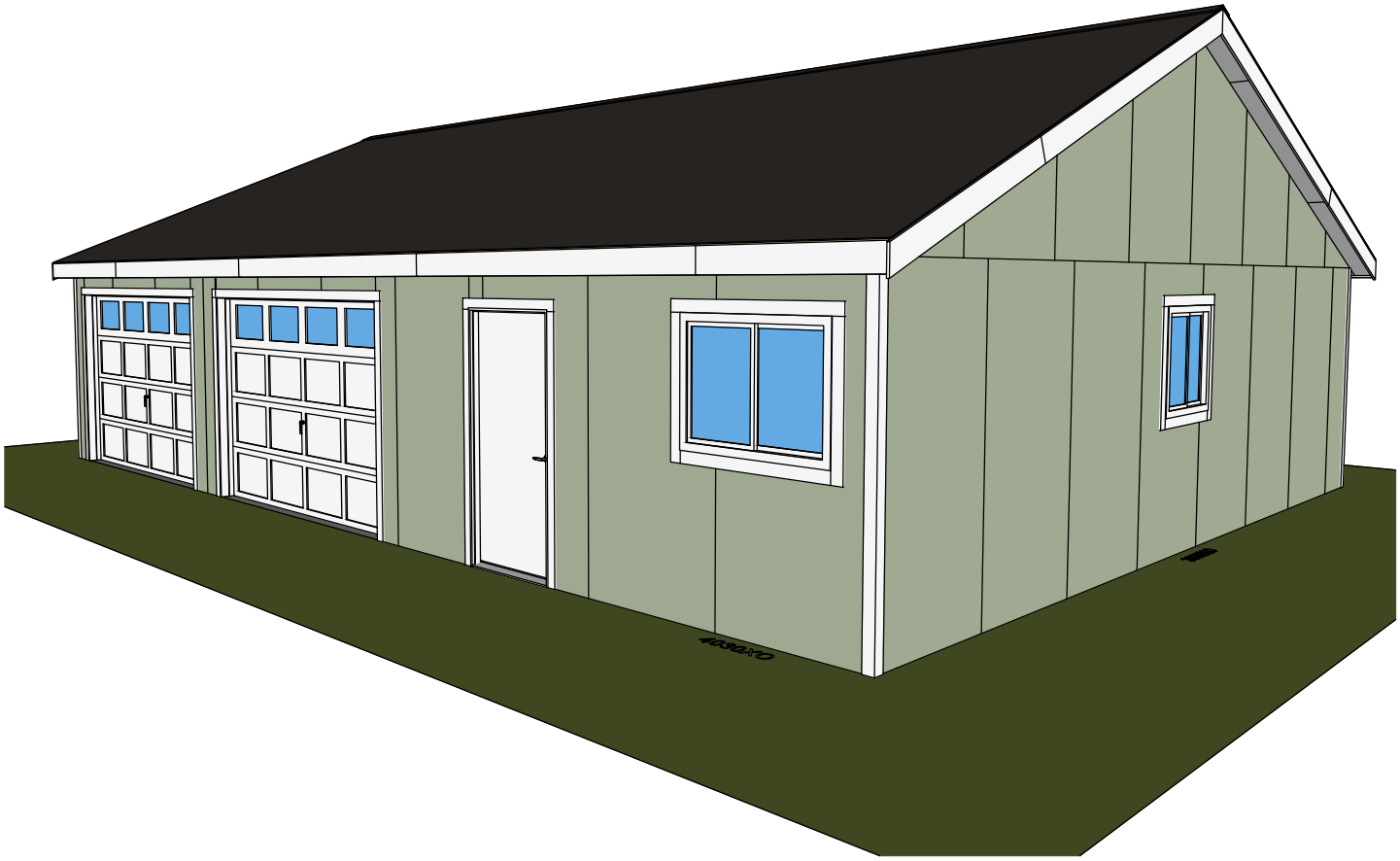

Side gable elevation
(with window)



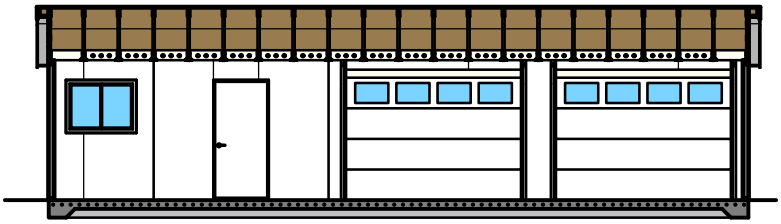

Side gable elevation

1/8" = 1'-0" (1:96)

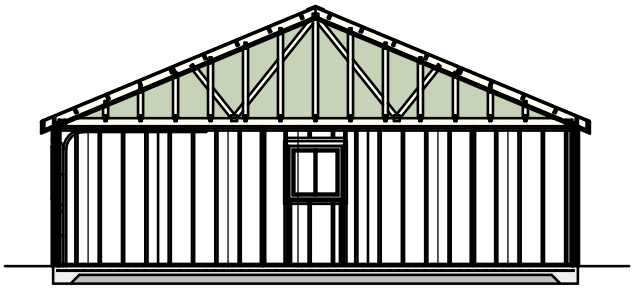
# Interior view



x ray View



Section at eave

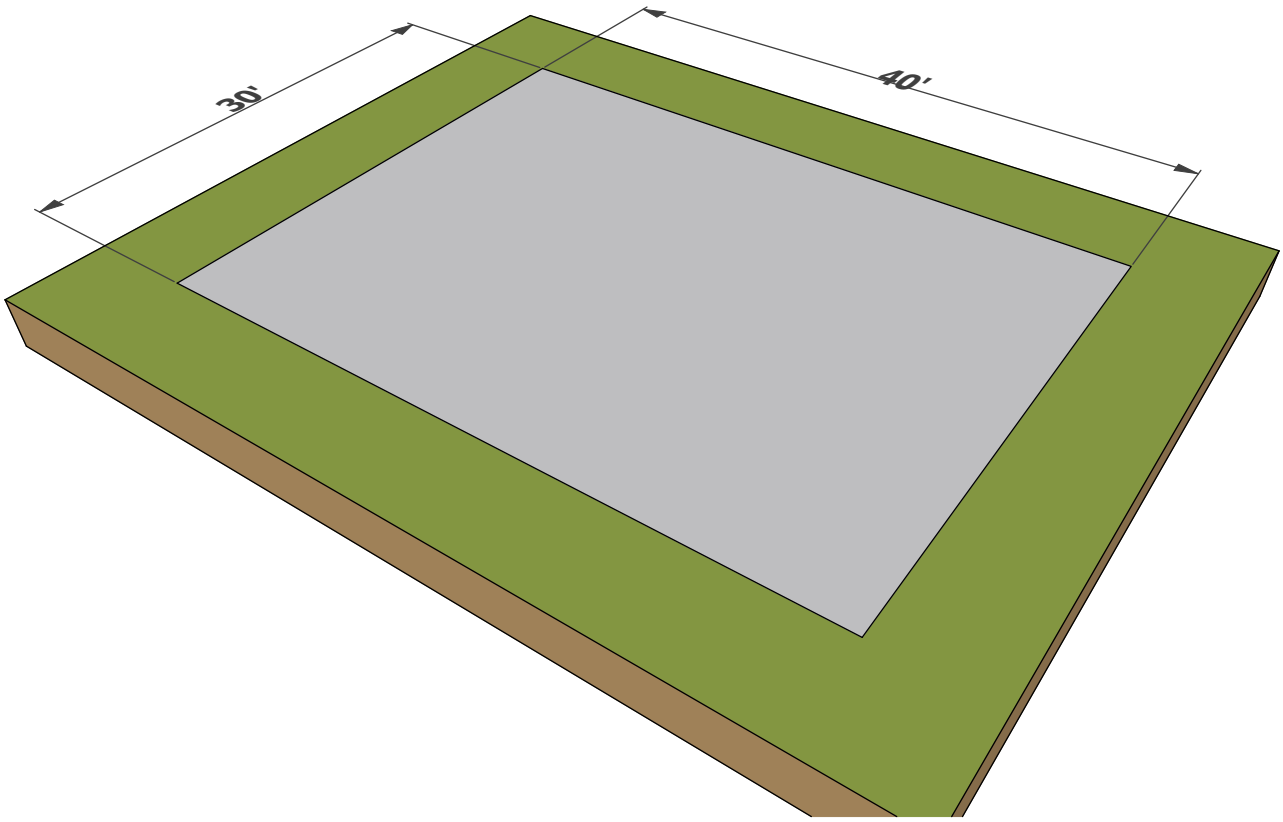


Section at gable

STEP 1

# Foundation Preparation

Fill the trenches to ground level with concrete and let cure, or harden. Since curing times vary between brands, read the packaging for recommended curing times.

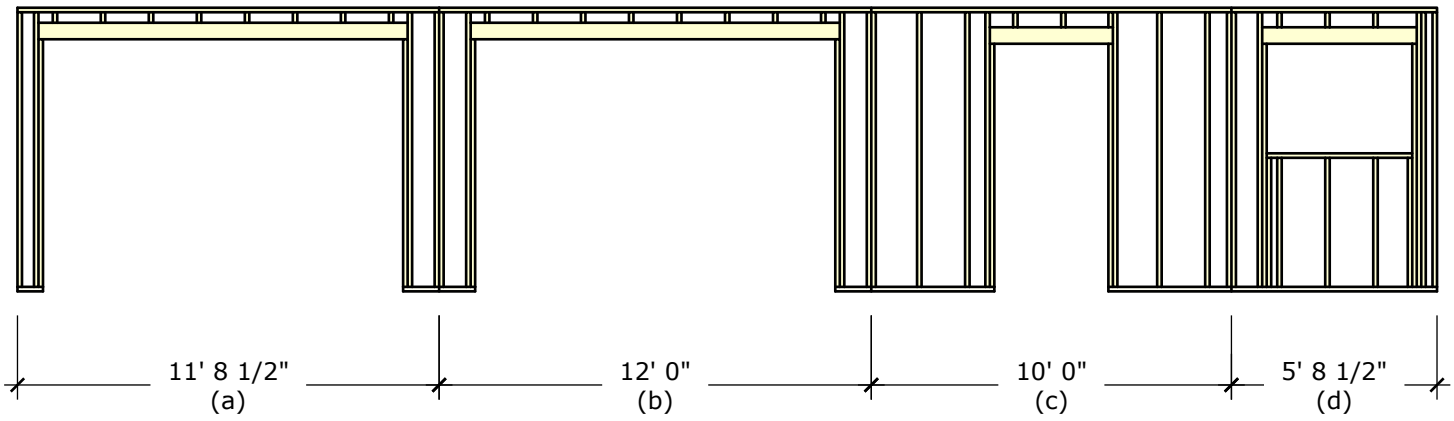


STEP 2

# Assemble Front Wall Frame

Using 2x4 and 2x6, construct front wall frame using the drawings (a-d) as a reference.
Lay out framing on floor and secure with 3-1/2 screws or galv. nails.

Set the completed wall aside to make room for assembling the rest of the wall section on the shed floor

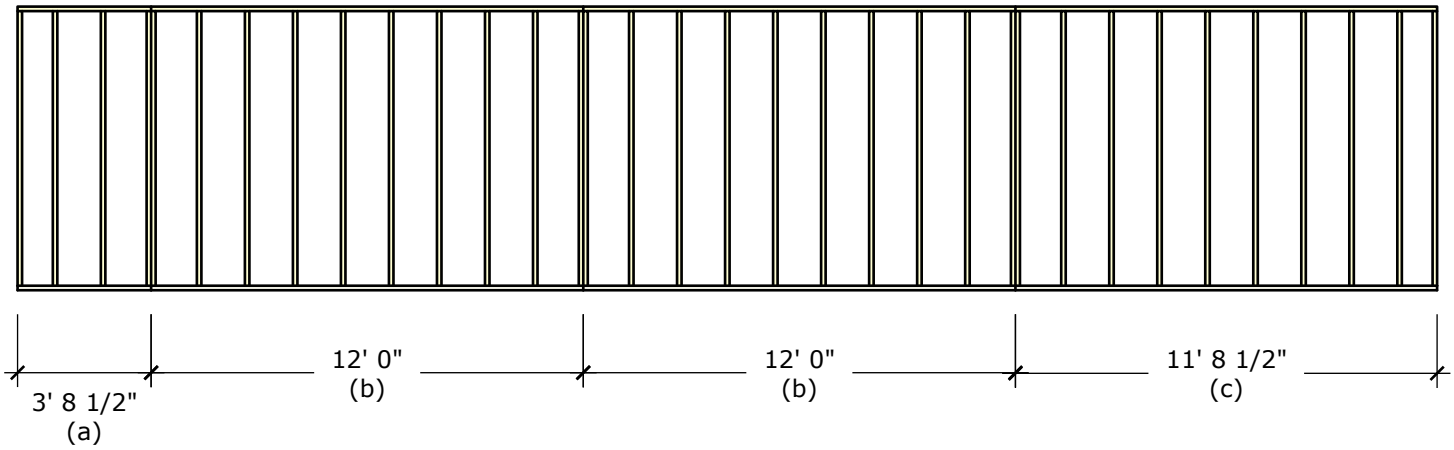



Front Wall Frame Assembly

STEP 3

# Assemble Back Wall Frame

Using 2x4, construct back wall frame using the drawings (a-c) as a reference. Lay out framing on floor and secure with 3-1/2 galv. nails.
Set the completed wall aside to make room for assembling the rest of the wall section on the shed floor.



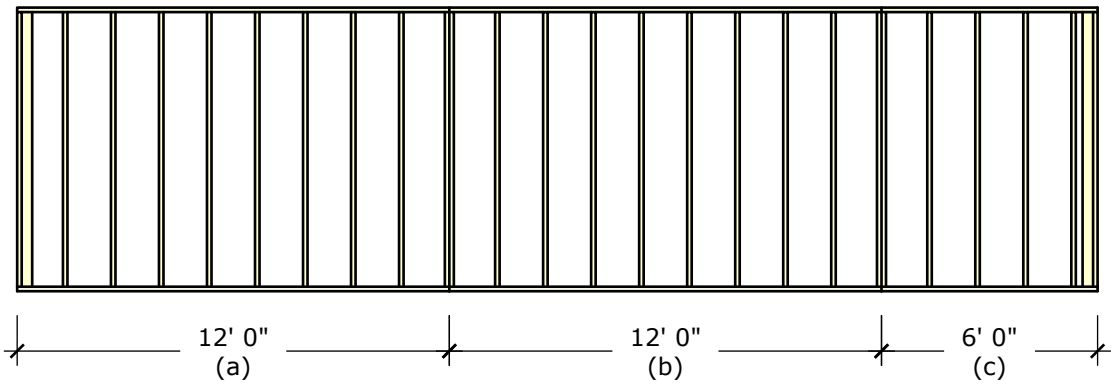

Back Wall Frame Assembly

STEP 44

# Assemble Left Wall Frame

Using 2x4, construct left wall frame using the drawings (a-c) as a reference. Lay out framing on floor and secure with 3-1/2 screws or galv. nails.

Set the completed wall aside to make room for assembling the rest of the wall section on the shed floor.



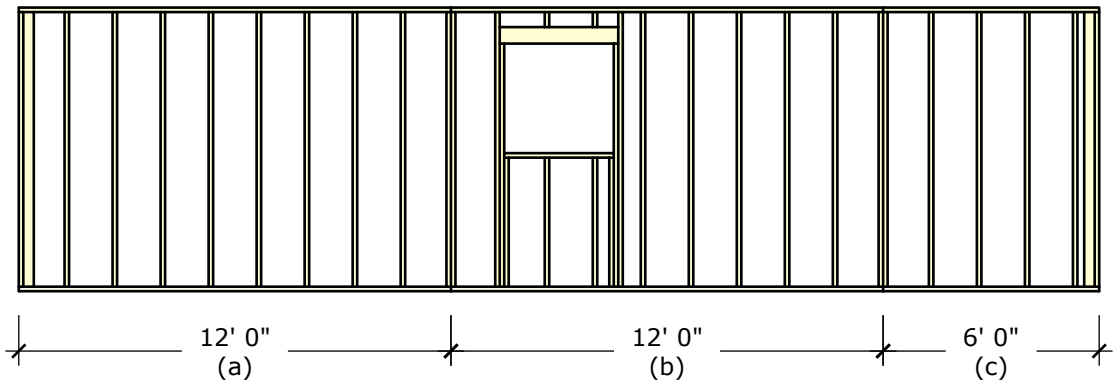

Left Wall Frame Assembly

STEP 5

# Assemble Right Wall Frame

Using 2x4 and 2x6, construct right wall frame using the drawings (a-c) as a reference.
Lay out framing on floor and secure with 3-1/2 screws or galv. nails.

Set the completed wall aside to make room for assembling the rest of the wall section on the shed floor.



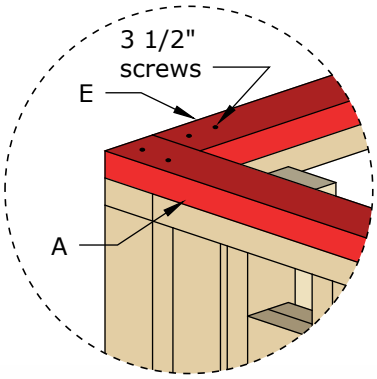

Right Wall Frame Assembly

STEP 6

# Assemble the Top Plates

Assemble the top plates using 2x4. You will need two boards cut to 10', five boards cut to 12', one board cut to 8', two boards cut to 5' 8 1/2", two boards cut to 11' 8 1/2", one board cut to 9' 8 1/2" and one board cut to 6' 3 1/2".

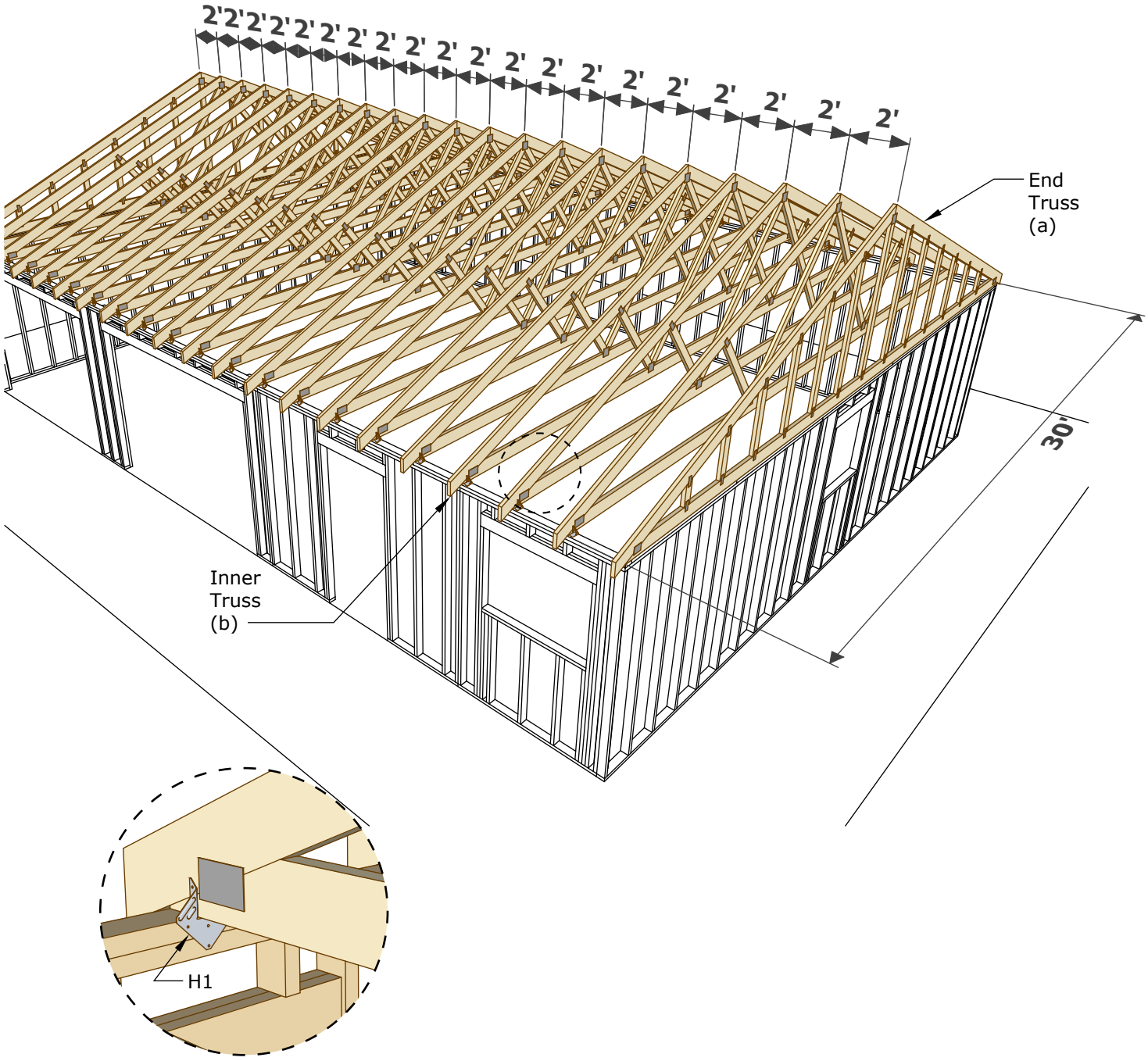
Connect the top plates with 3 1/2" wood screws or galvanized nails




STEP 7

# Install the Roof Trusses

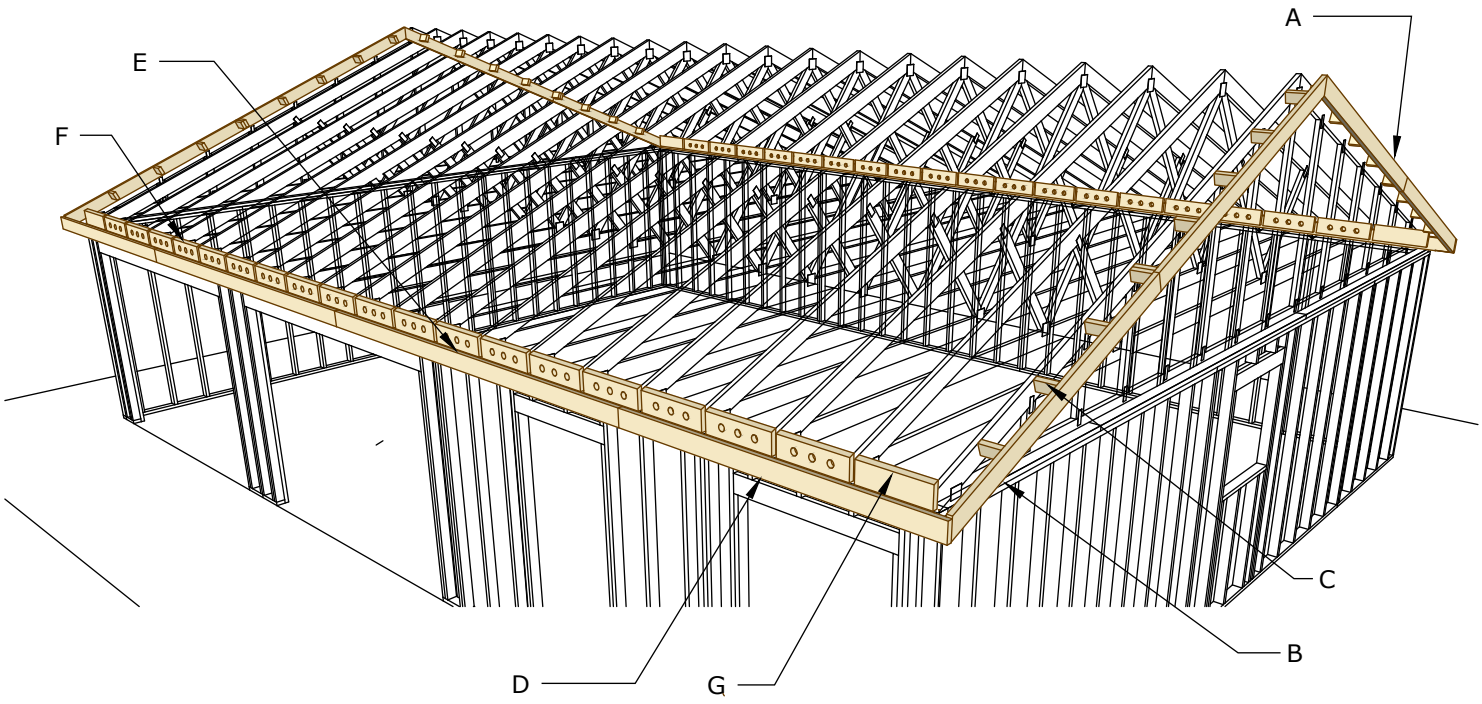
Place the engineered trusses on top plates as shown bellow connect with hurricane (H1) Ties and wood screws or nails. You will need two end trusses, nineteen inner trusses and forty two H1 hurricane ties.



STEP 8

# Assemble the Roof Frame

Using 2x4, 2x6 and 2x8, construct the roof frame. You will need four boards plumb cut to 8' 11 13/16" and 4 boards plumb cut to 8', that will be the rake boards, thirty six boards cut to 6", that will be the outlookers, four boards cut to 8' 7 1/2" and two boards cut to 12', that will be the subfascia, thirty six boards cut to 1' 10 1/2" and four boards cut to 1' 9 3/4", that will be the heelblocks.

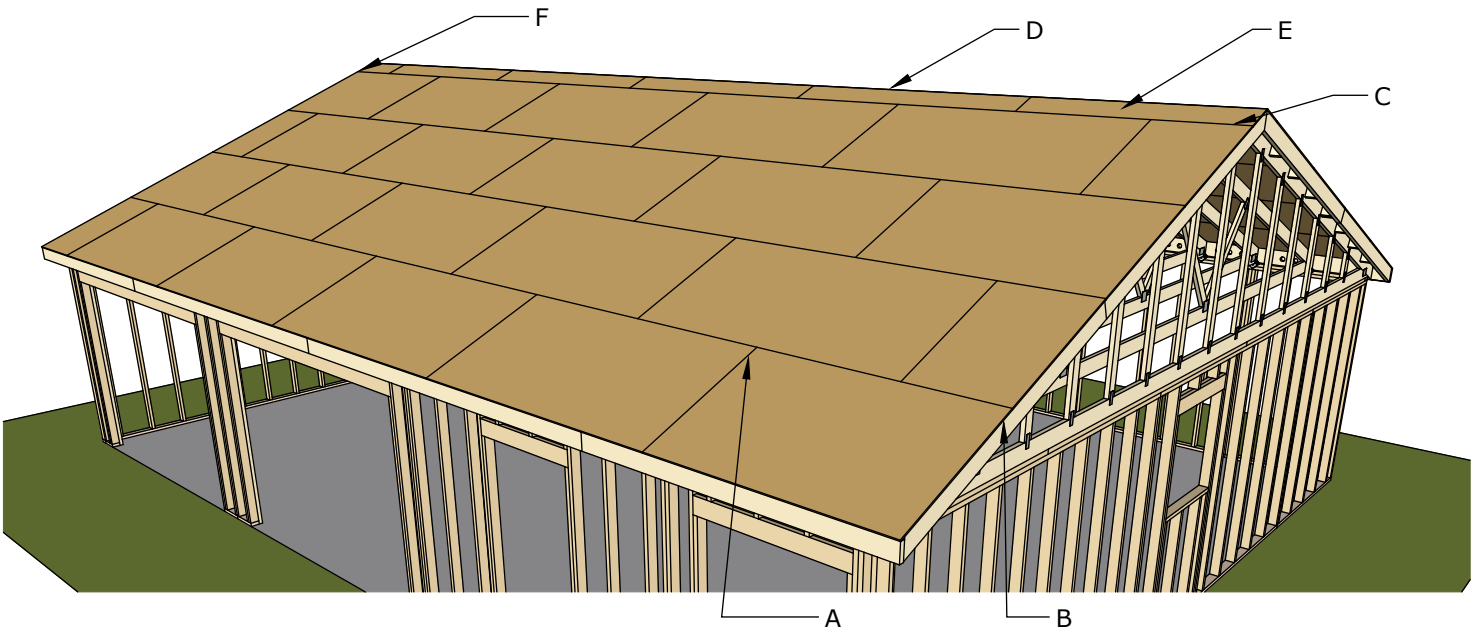


STEP 9

# Install Plywood for the Roof

Cut sheets of 1/2" Plywood for the roof sheathing using the drawing and the list bellow as a guide. You will need sixty cuts from 4' x 8' sheets.

Secure plywood with 2" screws or nails.



STEP 10

# Roof Cladding Installation

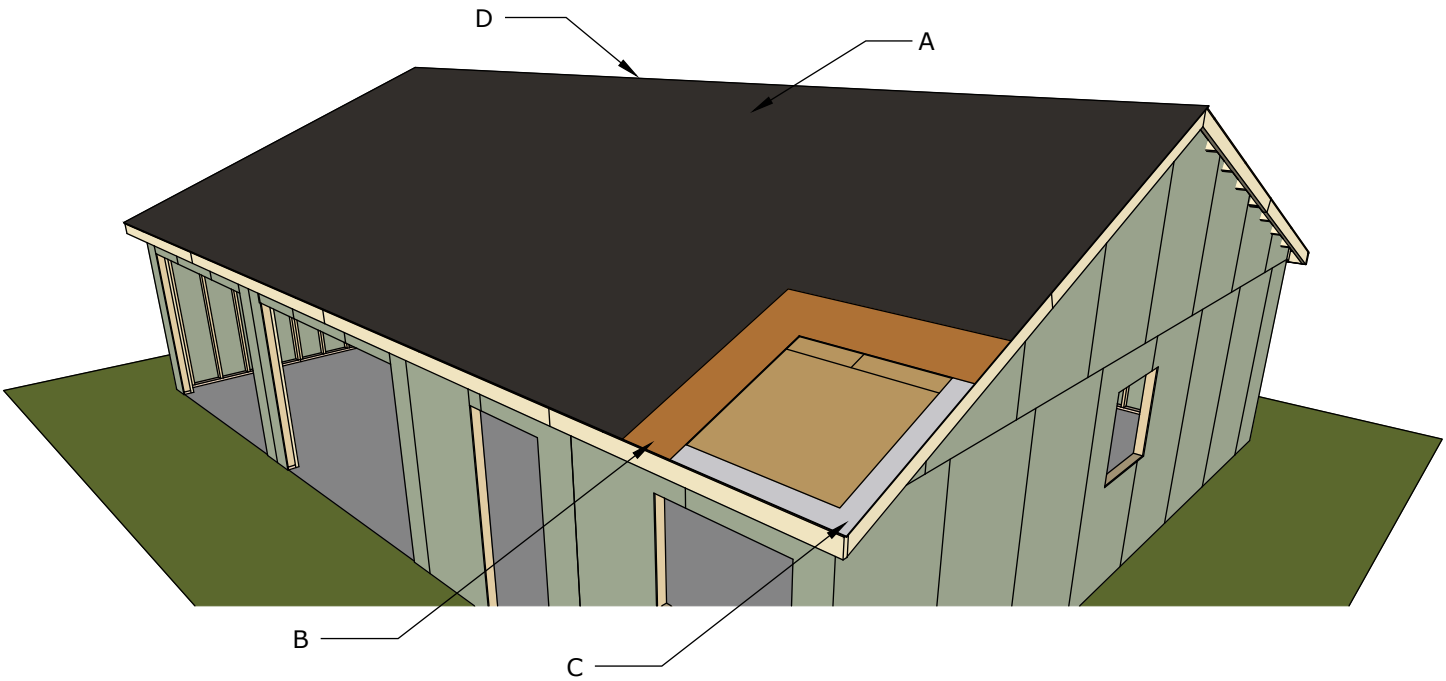
Prepare metal drip edge with 6" with. You will need 151 ft. to cover the perimeter.

Place the drip edge down, aligning it to the plywood edge. Use 2" nails to secure the first drip edge. When you place the next drip edge piece. it should overlap the first by one inch.

You will need 1400 sq ft of building paper and asphalt shingle roofing.

Cover the plywood and drip edge with building paper. Try to install sheets with 1" overlapping. Use 2" nails to secure the sheets.

Install asphalt shingle roofing using an industrial stapler.




*Drawing shows one side of the roof oposite is the same.*

STEP 11

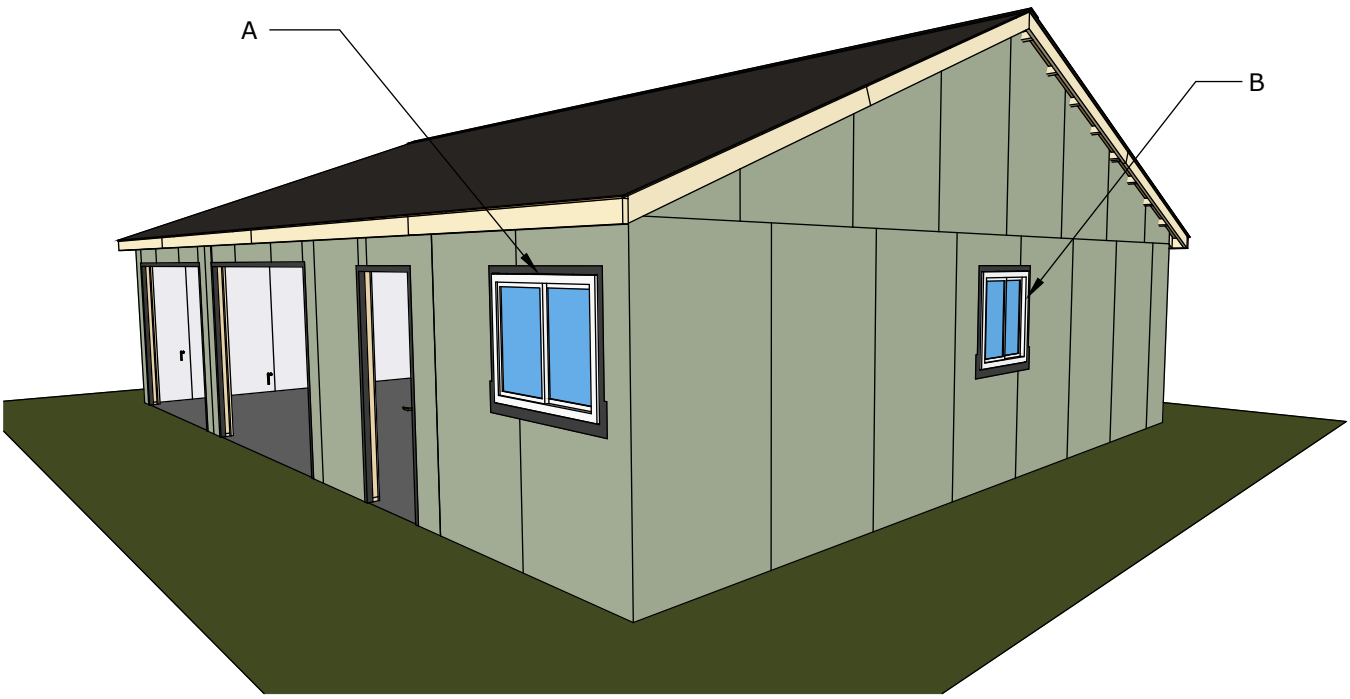
# Install Windows

**You will install two windows.**

**11.1** Tape the sill using flexible flashing tape, extend about 3" up each side.
Tape the seams where the cladding meets the stud with flashing tape.

**2** Set the window in place and center it side to side, plumb the sides and nail, use shims if needed to keep the window perfectly straight.

Follow the manufacturer recommendations to secure the windows firmly.



STEP 12

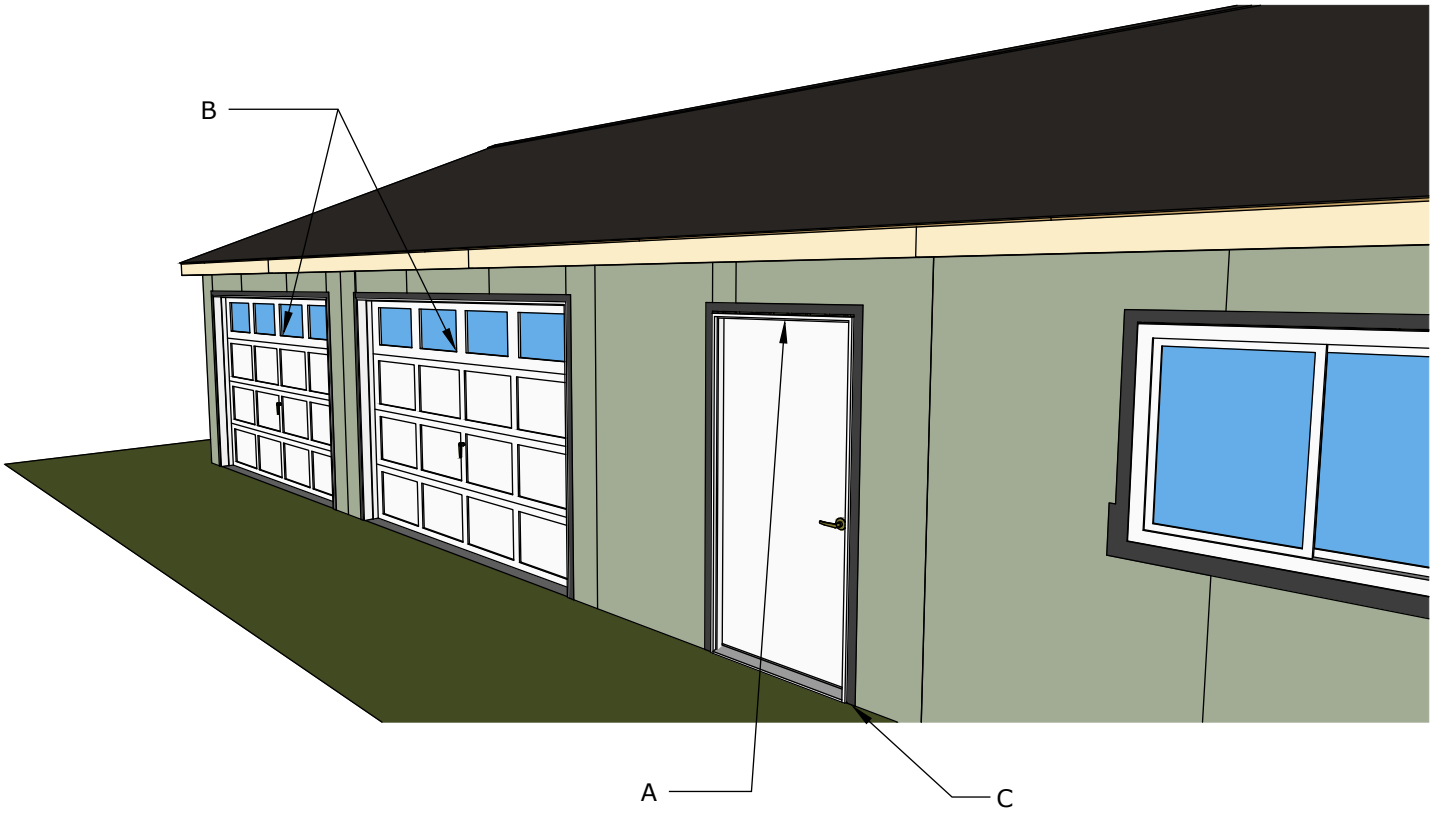
# Install Doors

**You will install one main door and two garage doors.**

Tape the seams where the cladding meets the stud with flashing tape.

Set the doors in place and center it side to side, plumb the sides and nail, use shims if needed to keep the doors perfectly straight.

Follow the manufacturer recommendations to secure the doors firmly.



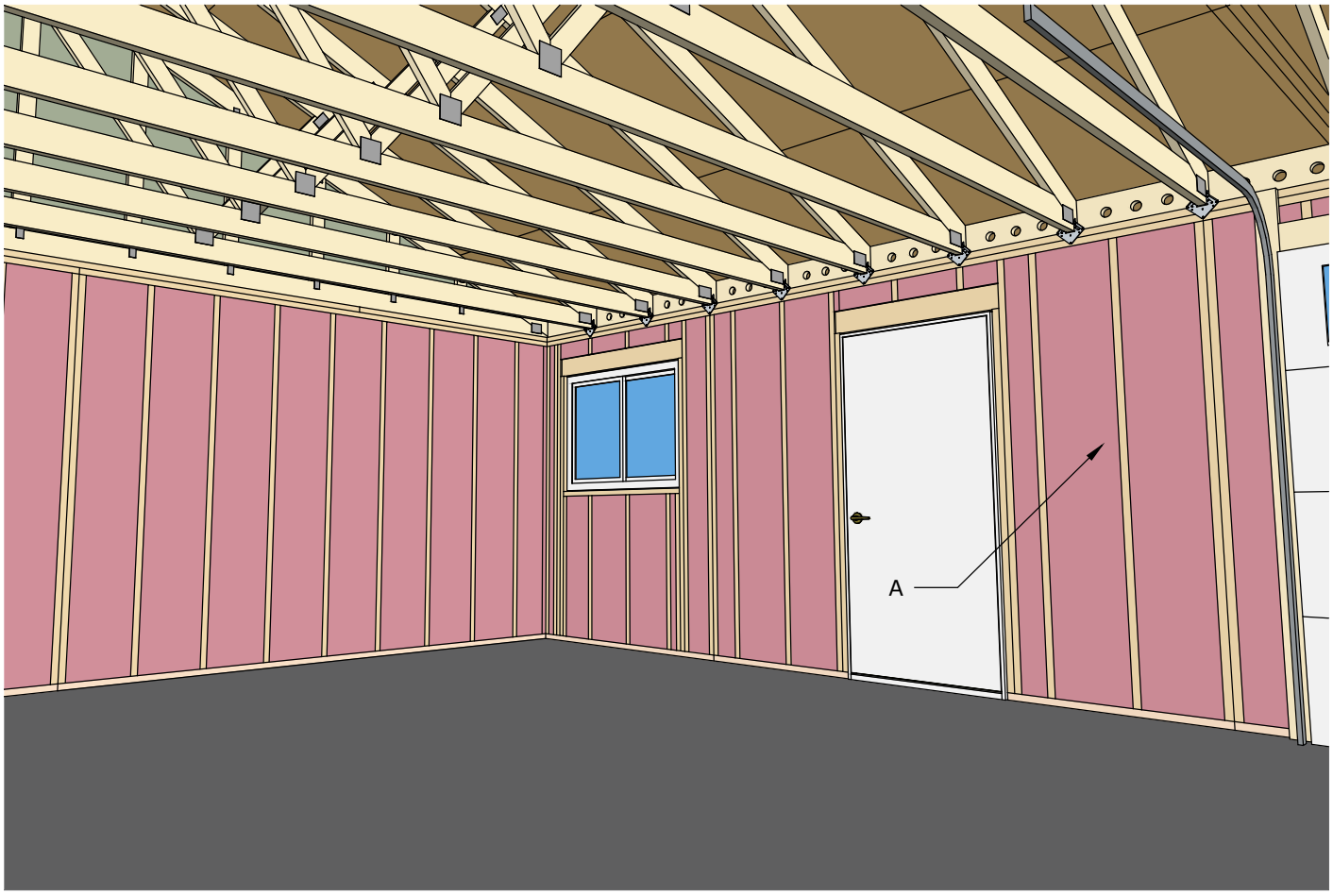
STEP 13

# Insulate The Walls

Fill the stud spaces with insulation (fiberglass), cut the batts the studs bays.

Next you can run your wiring. ***The electrical work must be done by a licensed electrician and be inspected before any interior wall covering is applied.***

| Pos | Description | Material | Dimension | Qty |
|---|---|---|---|---|
| A | INSULATION | PFG | 3.5" | 748.5 sq. ft. |



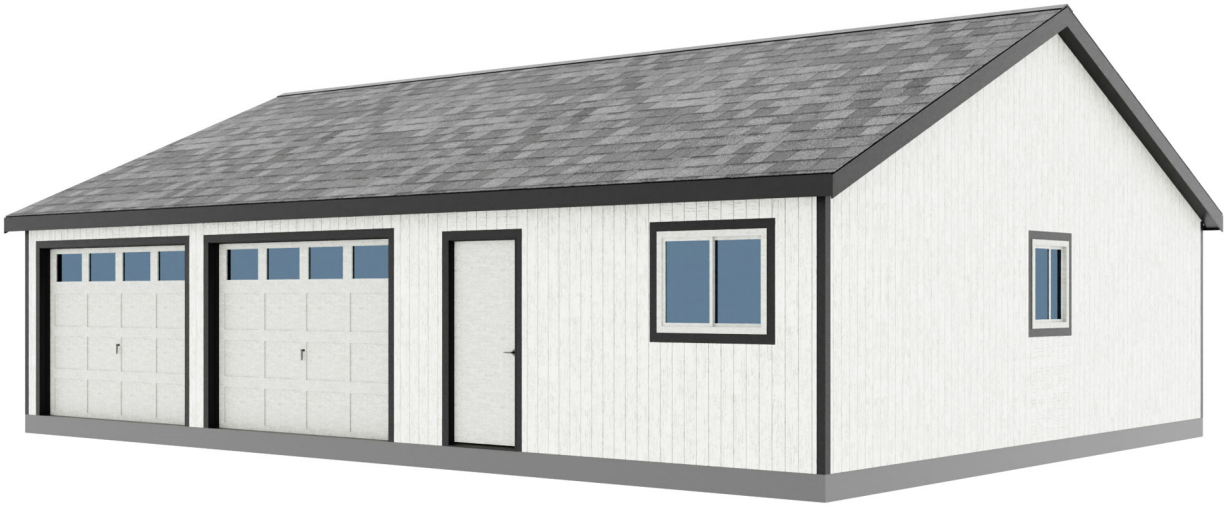
STEP 144

# Final Touches

Now that your shed is all done, you are ready to decorate it any way you want.

# Compare our Free vs. Premium plan

**This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.**



**Check out the benefits you would get with our premium edition:**

| Features | Free plan | Premium edition |
|---|---|---|
| Steps count | 14 | 28 |
| Illustrations for Each Step | ✓ | ✓ |
| Print Ready | ✓ | ✓ |
| Step By Step Instructions | ✓ | ✓ |
| Full Materials and Cuttings List | ✗ | ✓ |
| Additional Illustrations | ✗ | ✓ |
| Additional Blueprints | ✗ | ✓ |
| Tools List | ✗ | ✓ |
| Fastening Elements List | ✗ | ✓ |
| Technical Support | ✗ | ✓ |

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