

12x16 BARN SHED PLANS



Legal:

The content of this guide may not be sold, modified, or distributed in anyway without the expressed written consent of the publisher. Reprinting, copying, or any other form of distribution for commercial or non-commercial purposes is strictly prohibited and will be prosecuted.

Disclaimer:

Every attempt has been made to provide the most accurate information as possible. However, the publisher accepts no liability for any wrong information as a result of purchasing and / or reading this guide.

You can follow this guide at your own risk the publisher accepts no responsibility for any injury to any person.

Copyright © www.Construct101.com

All rights reserved

ISBN-13:

ISBN-10:



Shopping List

Since lumber can be purchased in different sizes the shopping list will vary.

Study the cut list to see what will work best for you.

(material for door/window not included)

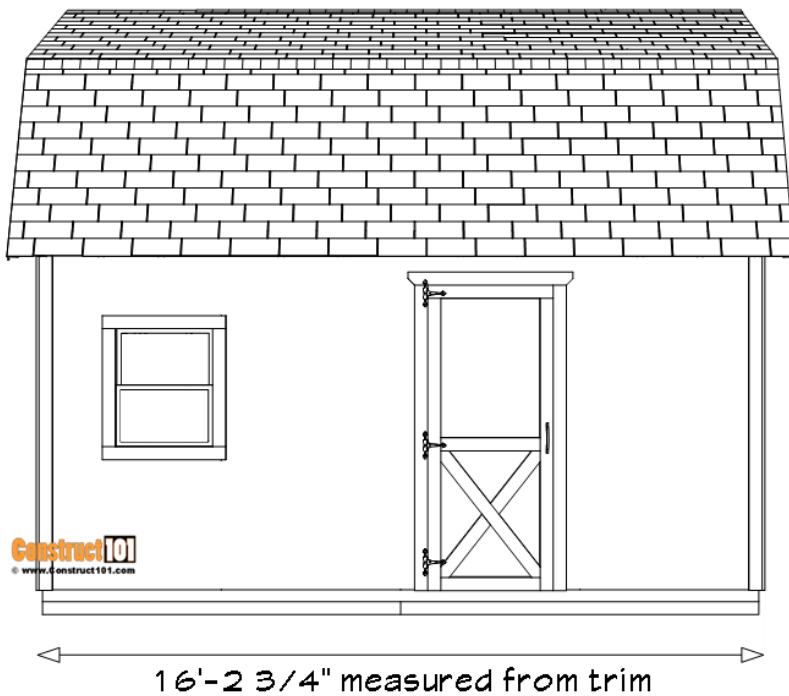
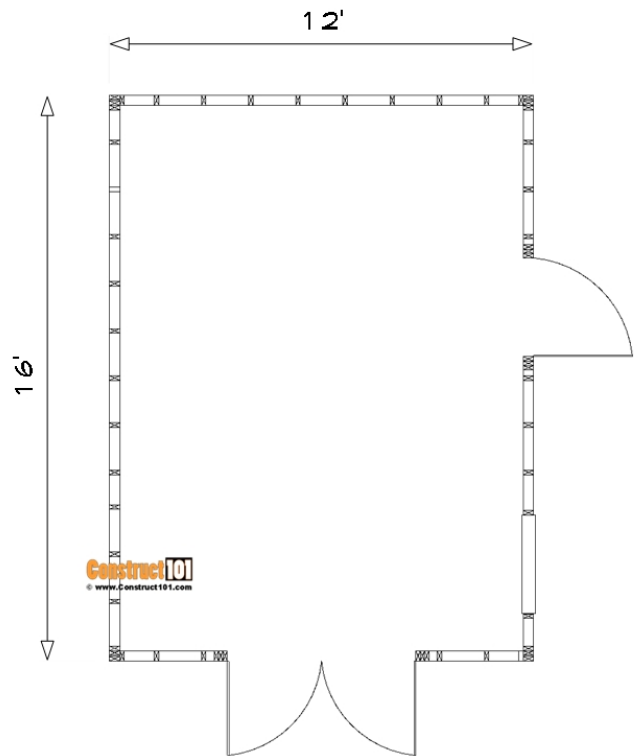
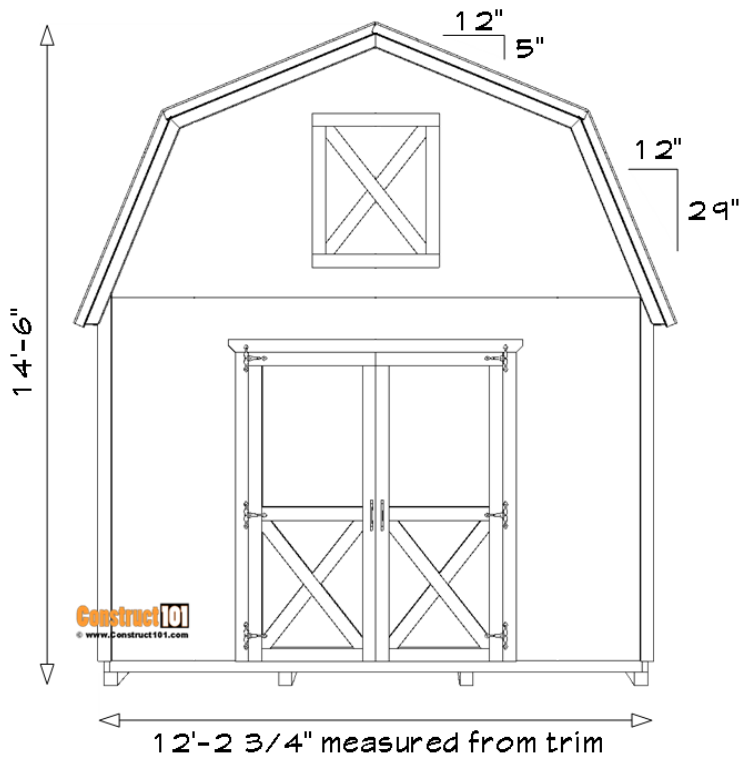
Part#	Qty.	Disc.	Size
floor	8	4x4 (pressure treated)	8 ft.
floor	2	2x6 (pressure treated)	16 ft.
floor	13	2x6 (pressure treated)	12 ft.
floor	6	tongue and groove plywood	3/4 in. x 4 ft. x 8 ft.
walls	6	2x4	16 ft.
walls	54	2x4	8 ft.
walls	6	2x4	12 ft.
rafters/truss	30	2x6	10 ft.
rafters/truss	1	plywood	1/2 in. x 4 ft. x 8 ft.
rafters/truss	14	2x4	8 ft.
siding	20	1-1 exterior siding	4 ft. x 8 ft.
roof	8	2x4	8 ft.
roof	11	plywood	1/2 in. x 4 ft. 8 ft.
door		<u>see shed door/window PDF</u>	
trim	6	1x4	8 ft.
trim	4	1x4	10 ft.
hardware		galvanized nails	3 1/2 in.
hardware		galvanized nails	2 in.
hardware		deck screws	2 in.
hardware		galvanized finishing nails	2 in.
hardware		shingles	
hardware		roofing felt	
hardware		drip edge	
hardware		z flashing	
hardware		roof tacks	
hardware		roofing staples	

Cutting List

(material for door/window not included)

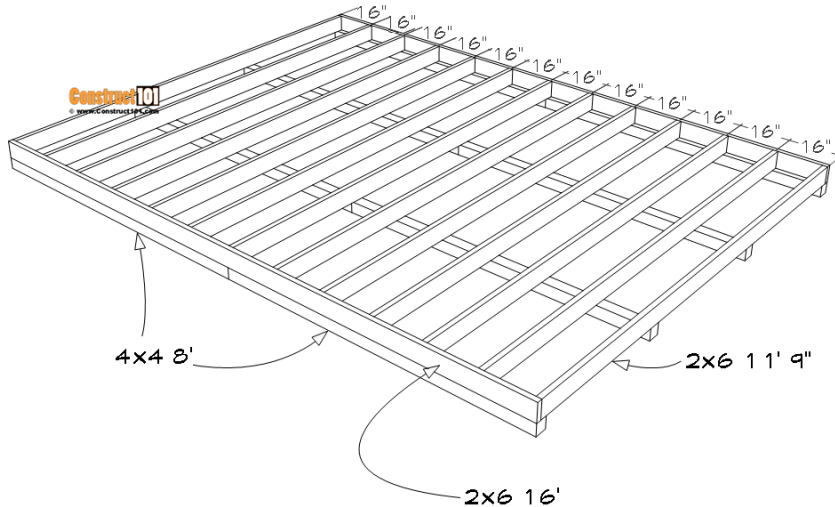
Part#	Qty.	Disc.	Size
floor	8	4x4 (pressure treated)	8 ft.
floor	2	2x6 (pressure treated)	16 ft.
floor	13	2x6 (pressure treated)	11 ft. 9 in.
floor	6	tongue and groove plywood	3/4 in. x 4 ft. x 8 ft.
walls	4	2x4	16 ft.
walls	2	2x4	15 ft. 5 in.
walls	54	2x4	7 ft. 6 in.
walls	4	2x4	11 ft. 5 in.
walls	2	2x4	12 ft.
rafters/truss	60	2x6	59 5/8 in. (22.5-degree angle cuts on both ends)
rafters/truss	1	plywood	1/2 in. x 4 ft. x 8 ft. (cut to size)
rafters/truss	14	2x4	8 ft. (cut to size)
siding	20	1x6 exterior siding	4 ft. x 8 ft.
roof	16	2x4	21 3/4 in.
roof	4	2x4	8 ft. (cut to size)
roof	11	plywood	1/2 in. x 4 ft. 8 ft.
door		see shed door/window PDF	
trim	6	1x4	8 ft. (cut to size)
trim	4	1x4	10 ft. (cut to size)

OVERVIEW



FLOOR

- 8 - 4x4 (pressure treated) - 8 ft.
- 2 - 2x6 (pressure treated) - 16 ft.
- 13 - 2x6 (pressure treated) 11 ft. 9in.

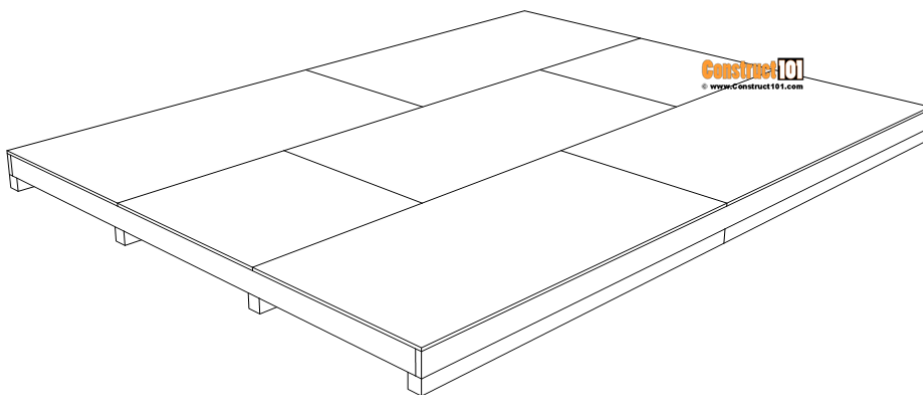


Assemble as shown on drawing, use 3 1/2 in. nails to assemble.

Nail through the band and into the joist.

Joist are spaced out 16 in. on center.

Toenail through frame and into the skids.

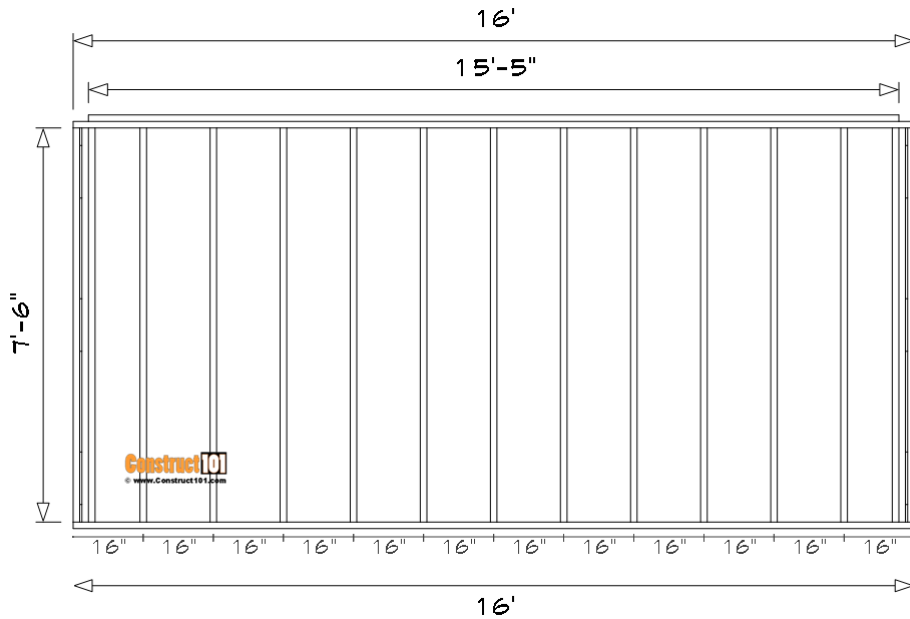


- 6 - tongue and groove plywood - 3/4 in. x 4 ft. x 8 ft.

Measure and cut the plywood to size as shown on drawing.

Install to floor frame using 2 in. deck screws.

WALLS

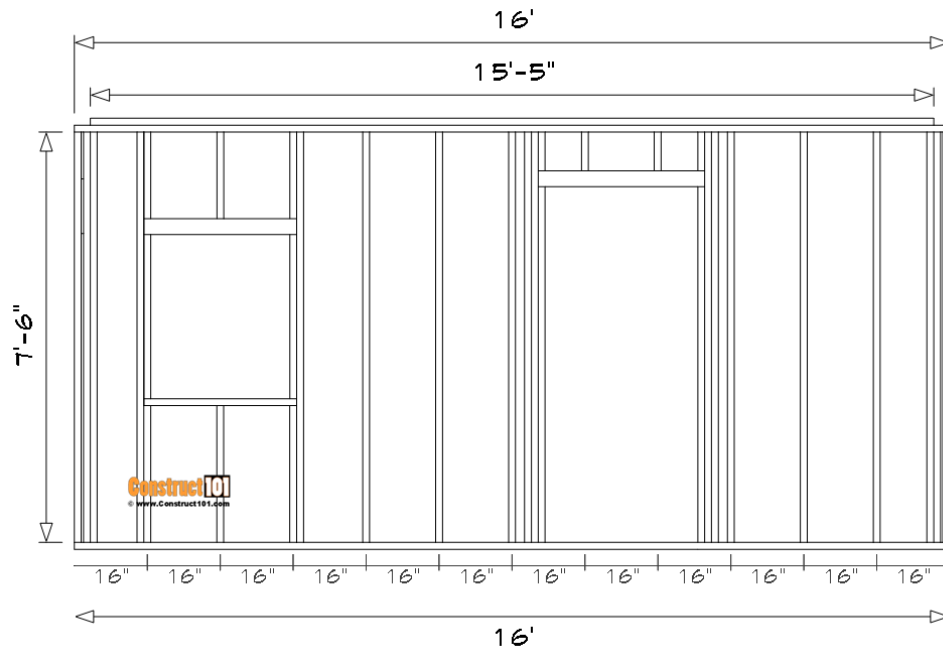


Wall Frame - Sides

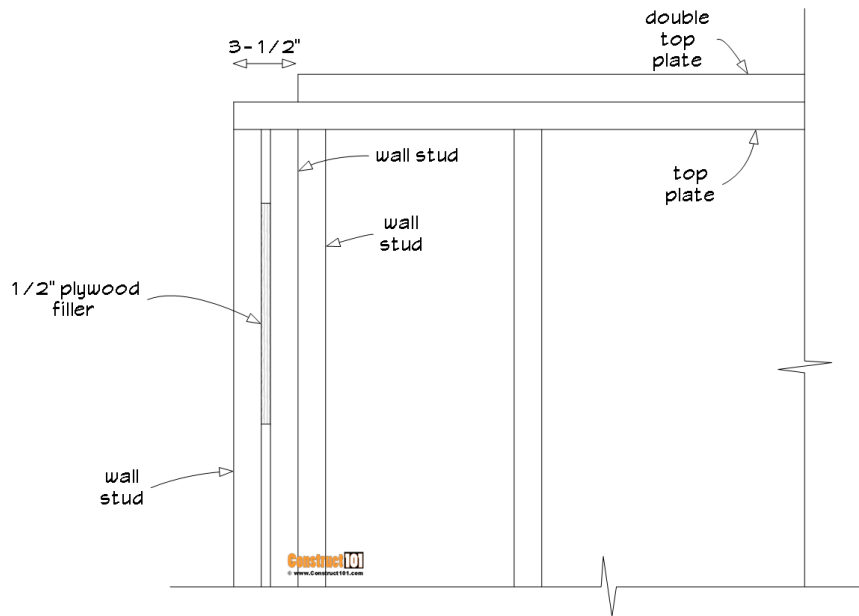
- 4 - 2x4 - 16 ft.
- 2 - 2x4 - 15 ft. 5 in.
- 34 - 2x4 - 7 ft. 6 in.

Assemble both side wall frames as shown on drawing using 3 1/2 in. nails.

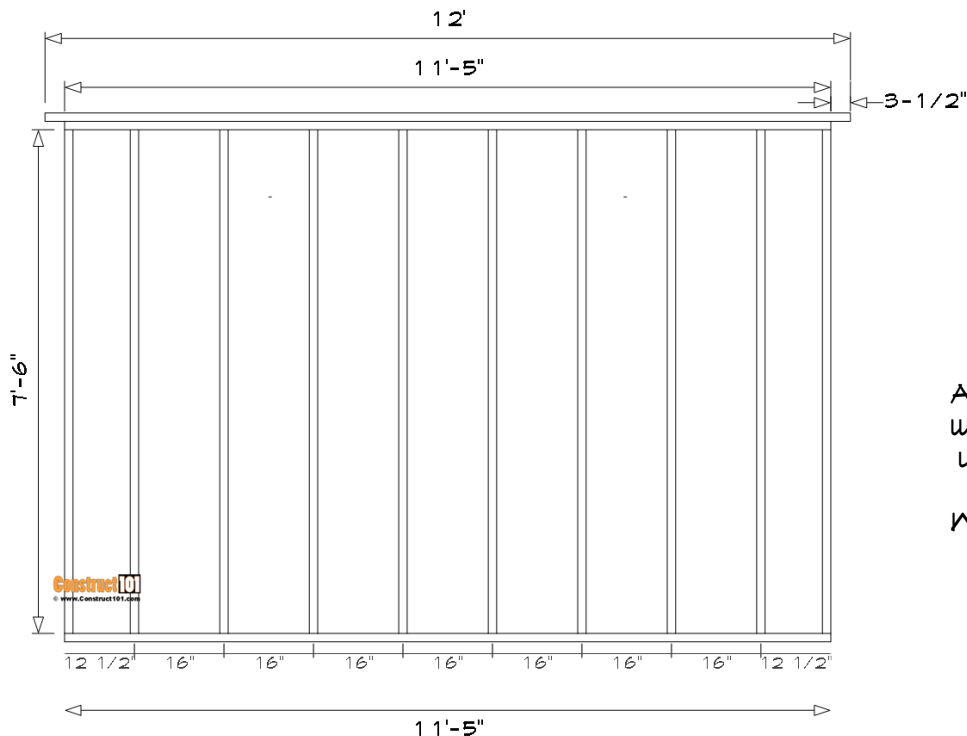
Wall studs are 16 in. on center.



If you are installing a door and window to the side walls see door/window PDF for framing details.



Side wall frame close up view of the ends.

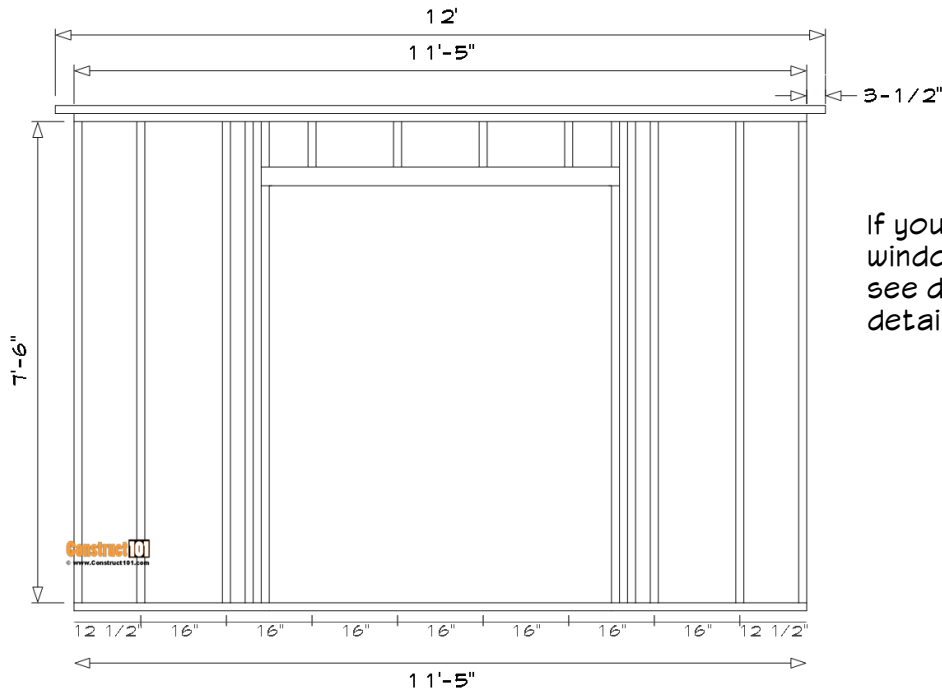


Wall Frame - Front and Back

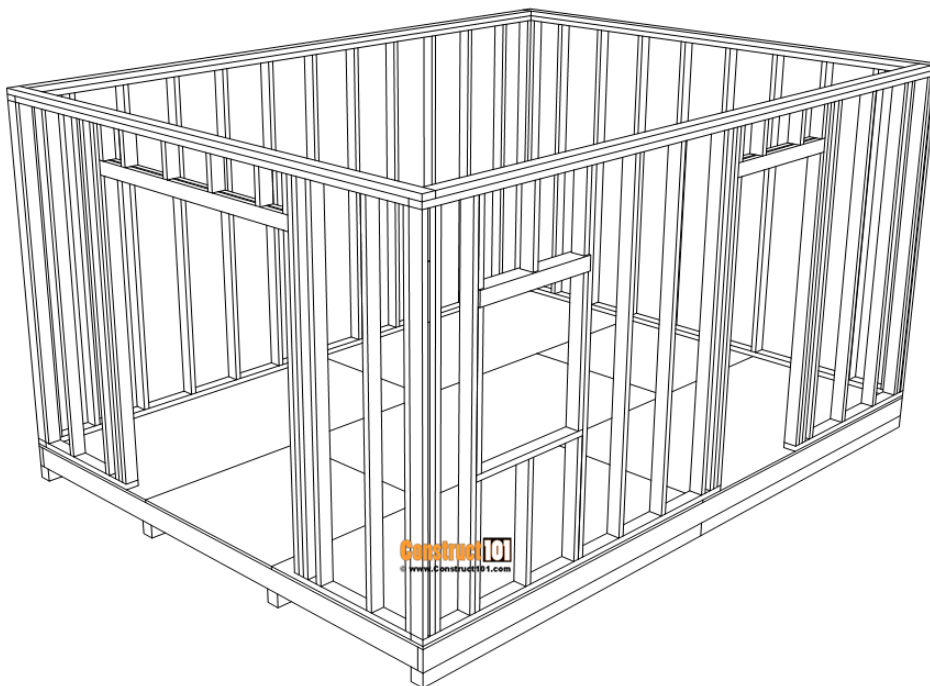
- 4 - 2x4 - 11 ft. 5 in.
- 2 - 2x4 - 12 ft.
- 20 - 2x4 - 7 ft. 6 in.

Assemble the front and back wall frames as shown on drawing using 3 1/2 in. nails.

Wall studs are 16 in. on center.



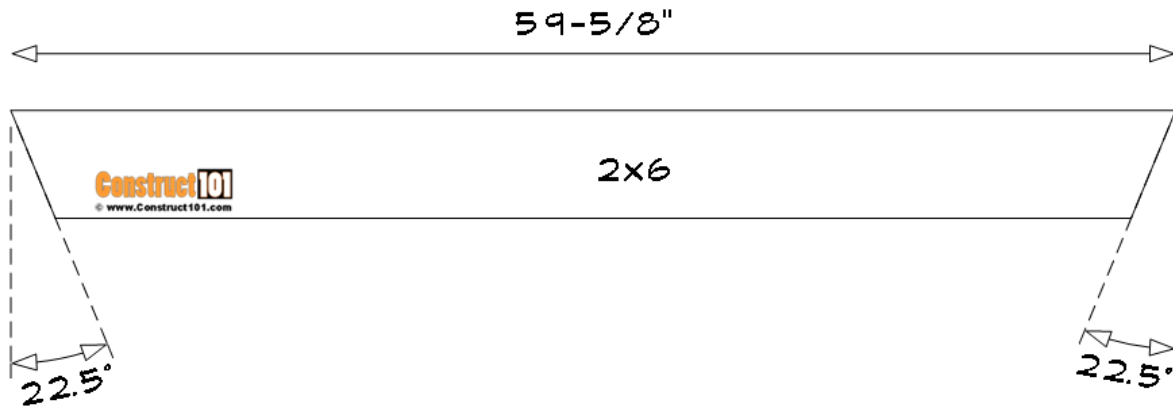
If you are installing a door and window to the front or back walls see door/window PDF for framing details.



Nail wall frames into the floor and adjacent wall frames using 3 1/2 in. nails.

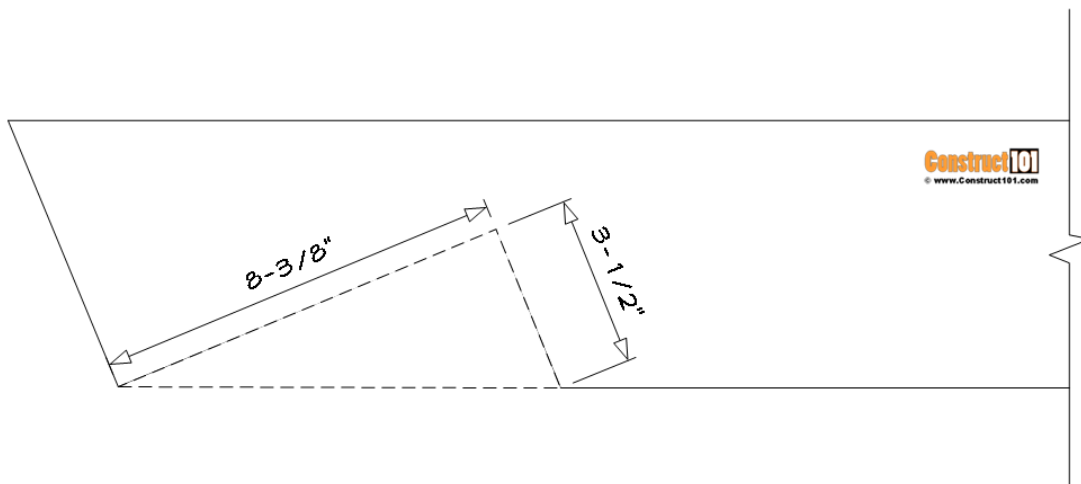
Do not nail on bottom plate door opening, plate on door opening will be cut and removed.

RAFTERS/TRUSS

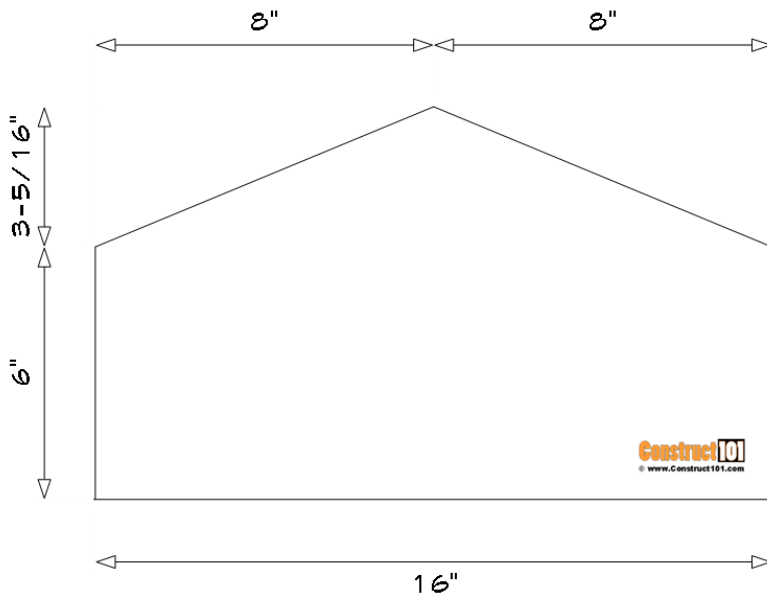


- 60 - 2x6 - 59 5/8 in. (22.5-degree angle cuts on both ends)

Cut the 2x6 rafters to size as shown on drawing



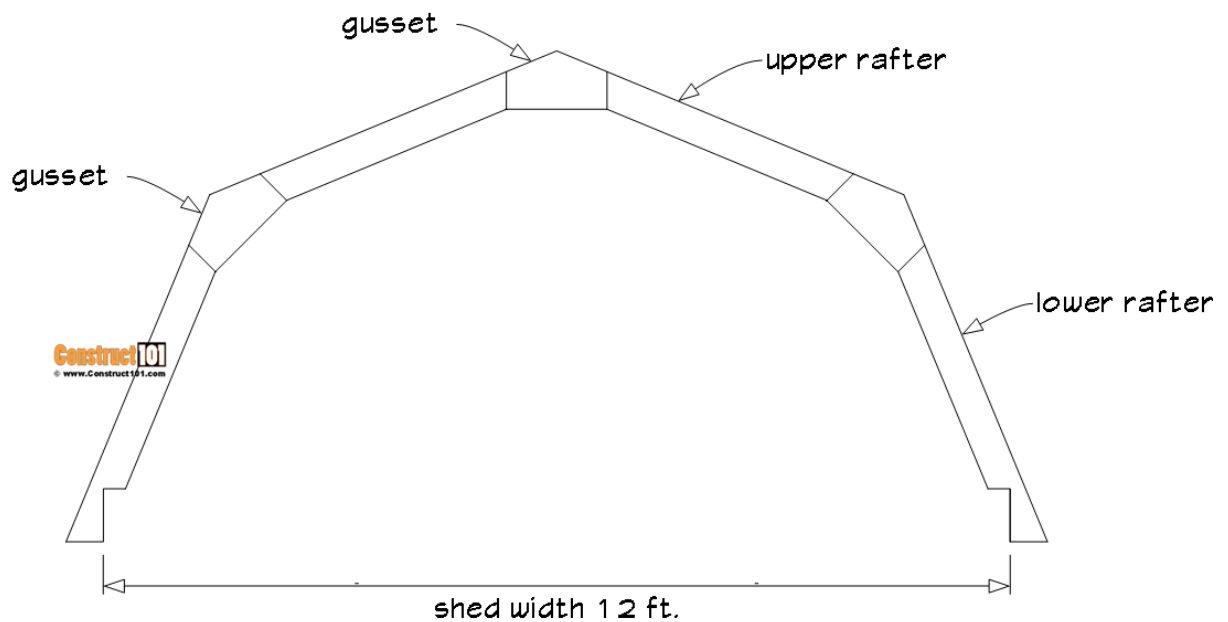
Using a framing square, measure and cut the birds mouth as shown on drawing on 26 of the rafters.



- 1 - plywood - 1/2 in. x 4 ft. x 8 ft.

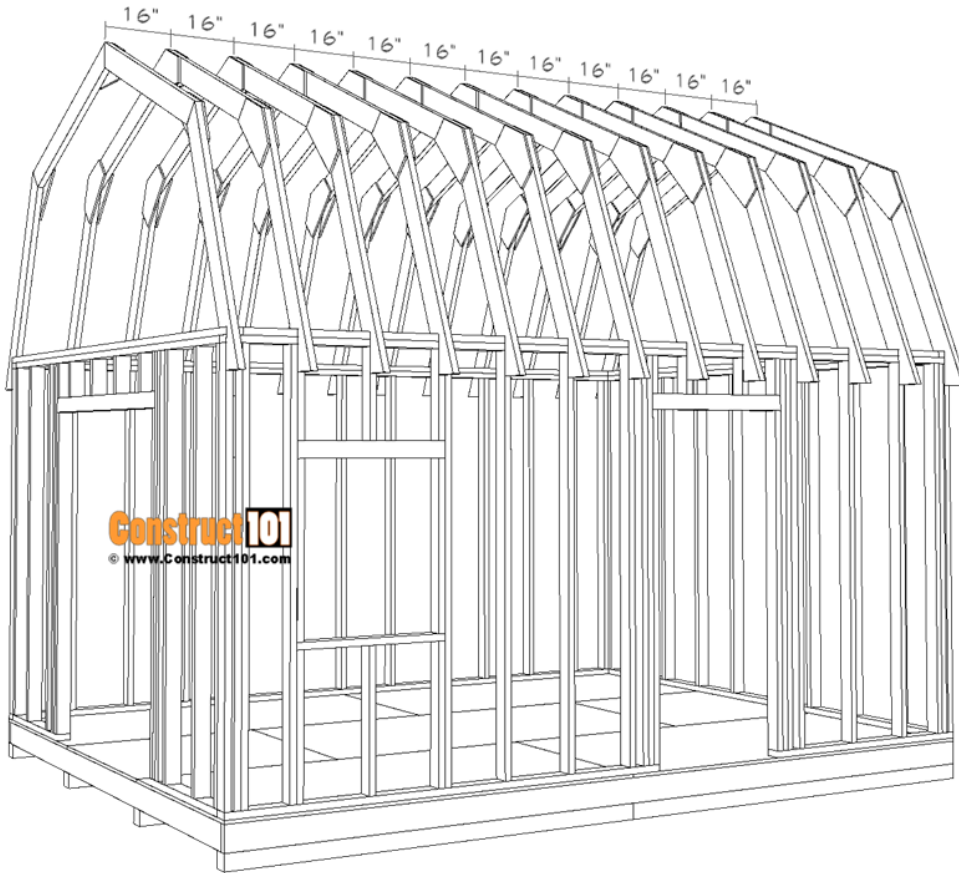
Use 1/2 in. plywood to make gussets.

Cut gussets as shown on drawing.



Assemble the roof truss as shown on drawing using 2 in. deck screws.

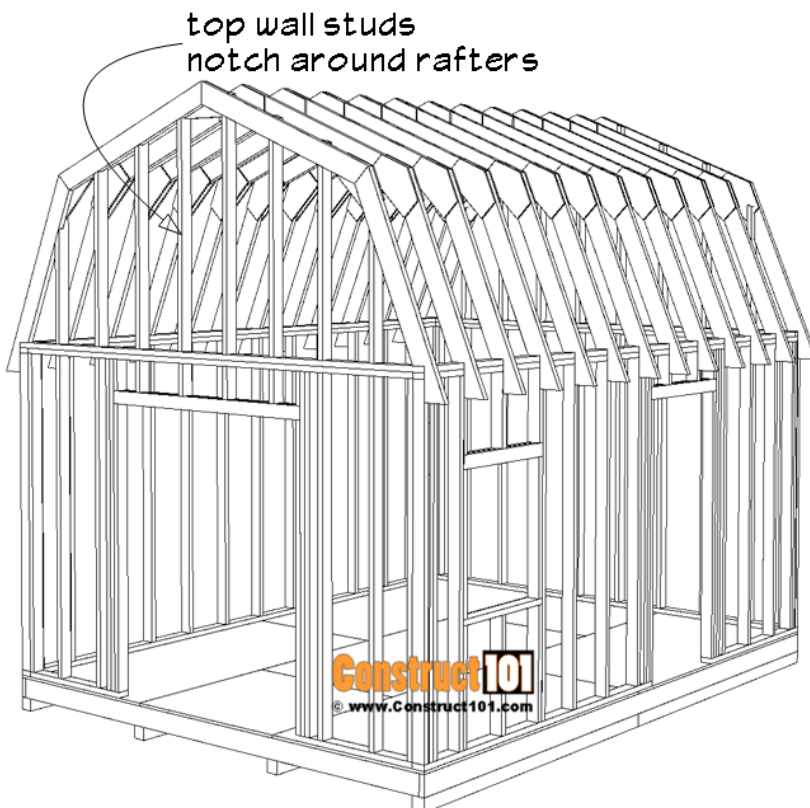
Screw through the gusset and into the rafters.



Install roof truss as shown on drawing.

Roof truss is spaced out 16 in. on center.

Install using 3 1/2 in. nails.

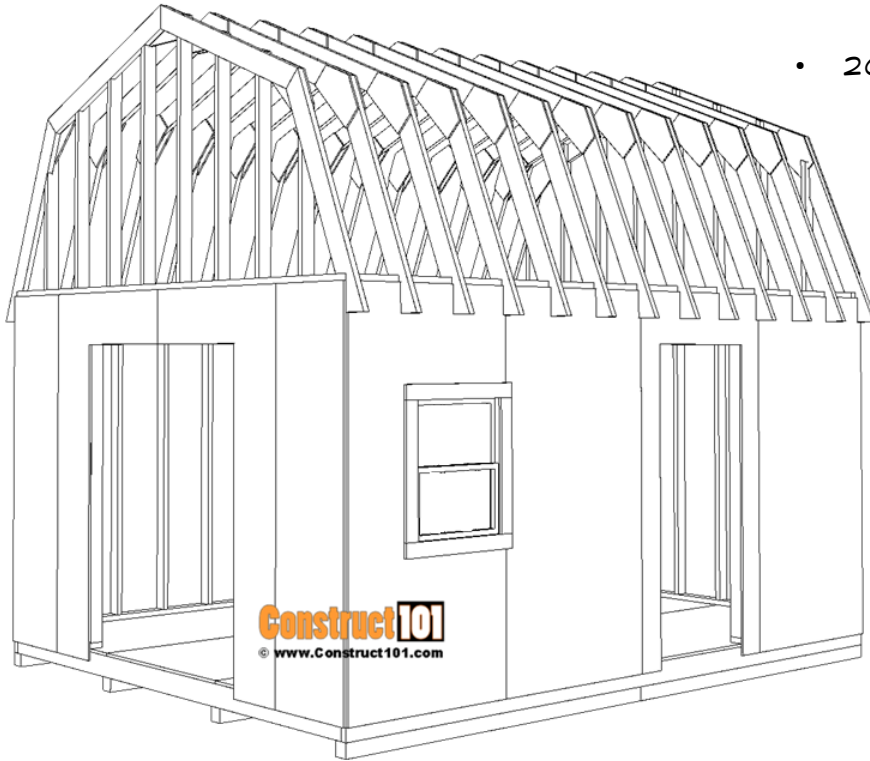


- 14 - 2x4 - 8 ft.

Measure and cut 2x4's to size and install to the front and back top wall frame.

Notch the top end of the 2x4's around rafters.

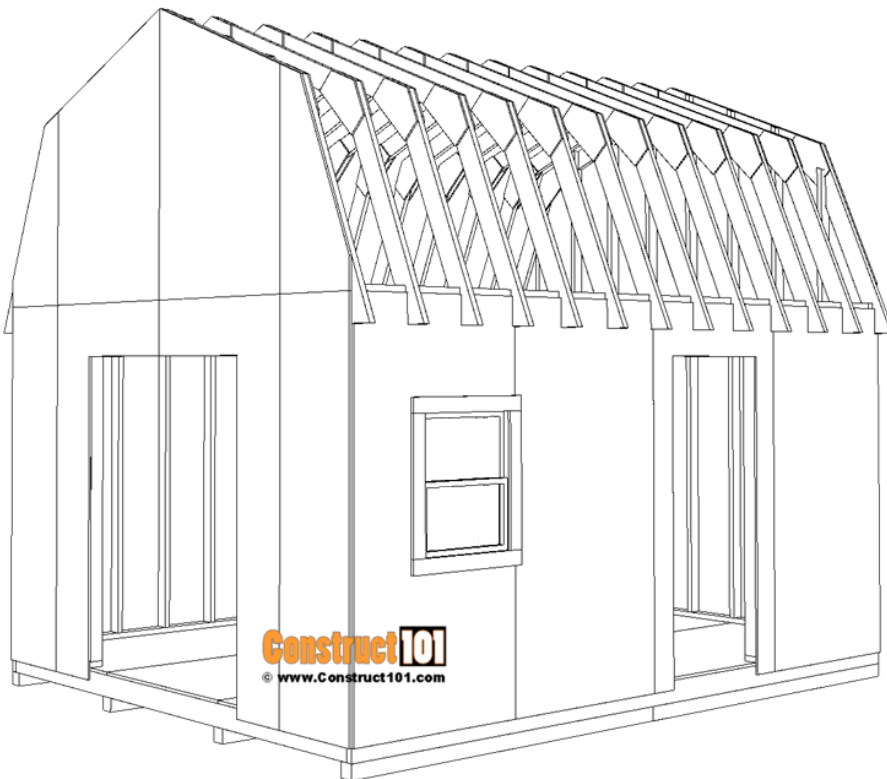
SIDING



- 20 - t 1 1 1 exterior siding - 4 ft. x 8 ft.

Install siding using 2 in. finishing nails.

Notch siding around rafters.

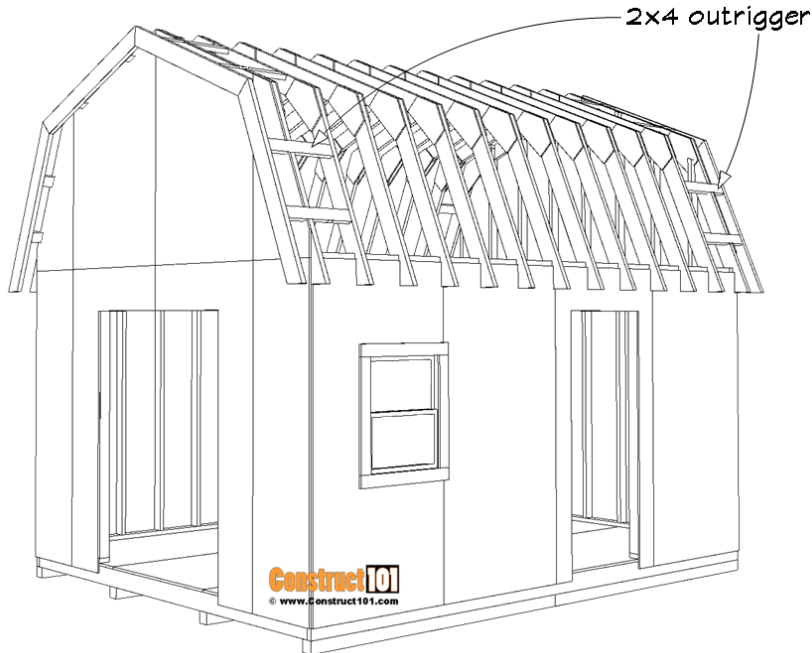


Install top siding using 2 in. finishing nails.

Use Z-flashing between the top and bottom siding.

Cut siding along rafters.

ROOF



- 16 - 2x4 - 21 3/4 in.

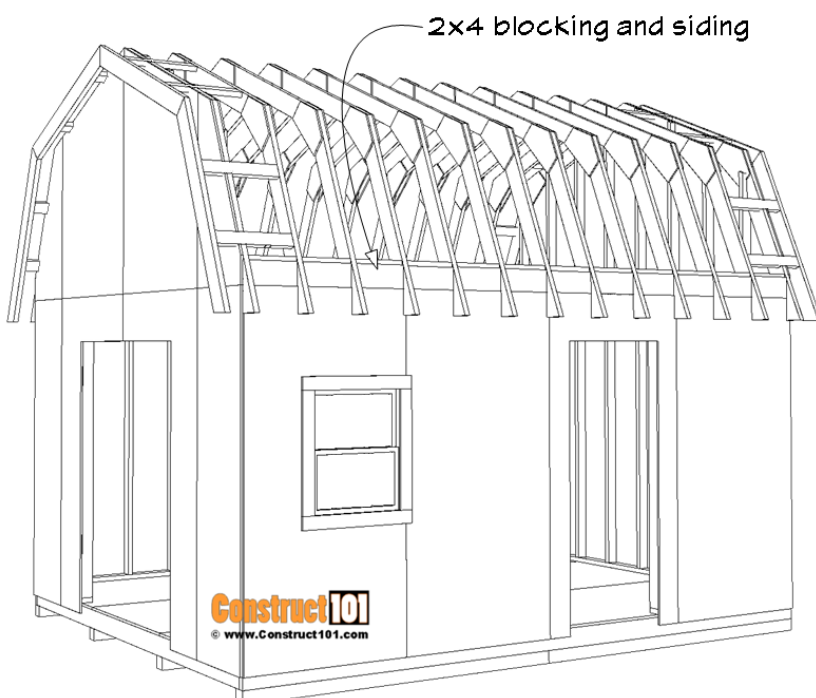
The front and back of the shed will have about an 8 in. roof overhang.

To make the overhang bigger or smaller adjust the length of the outriggers.

Notch the front and back rafters and siding to fit around outriggers.

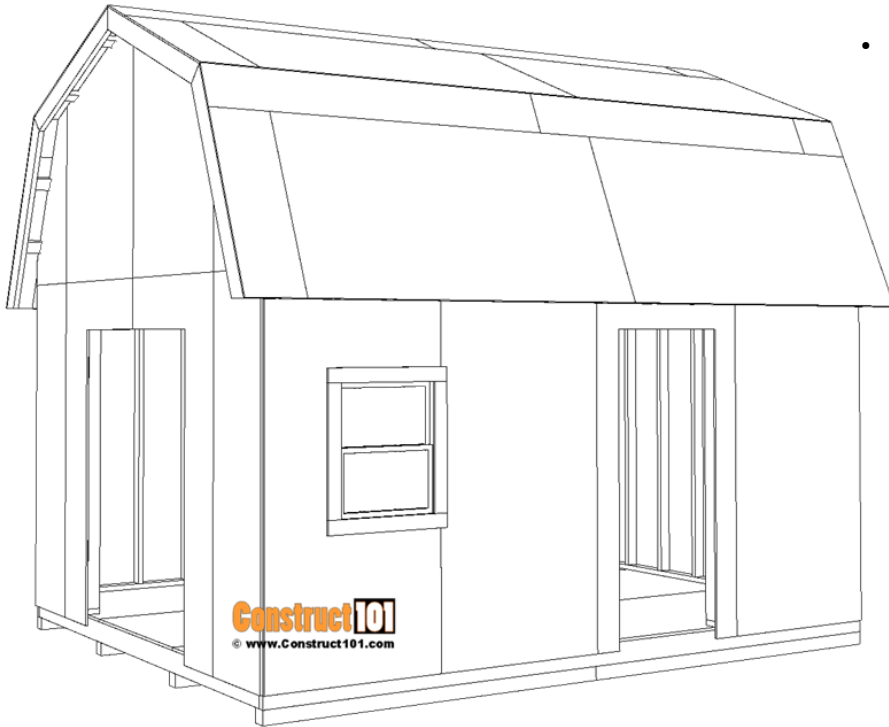
Install using 3 1/2 in. nails.

Use the remaining rafters for the front and back roof trim.



- 4 - 2x4 - 8 ft.

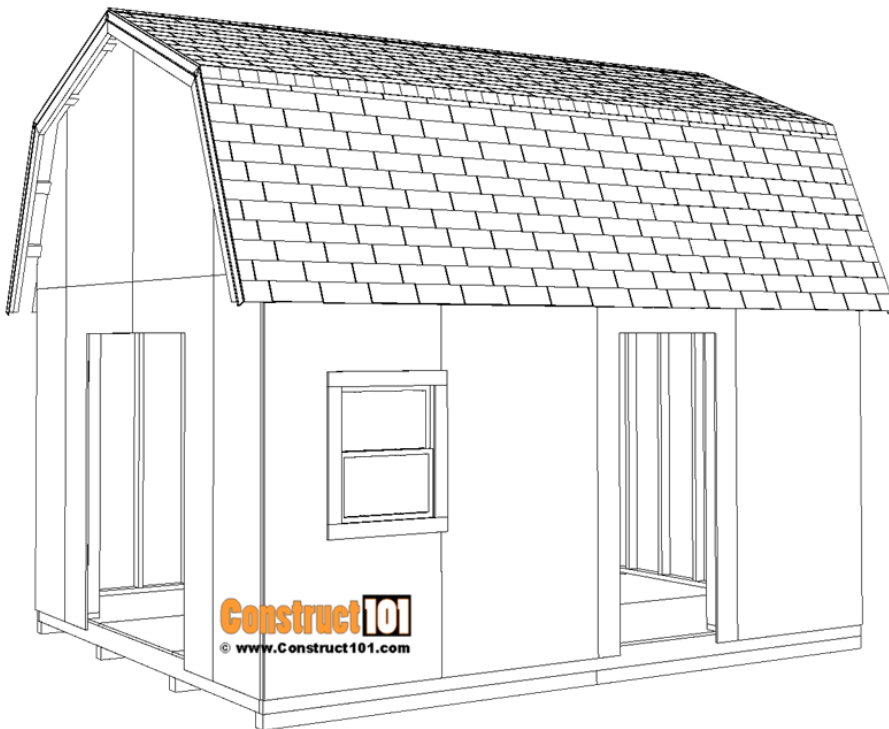
Measure and cut 2x4's and siding to size to fill in the gaps between the walls and roof as shown on drawing.



- 1 1 - plywood - 1/2 in. x 4 ft. 8 ft.

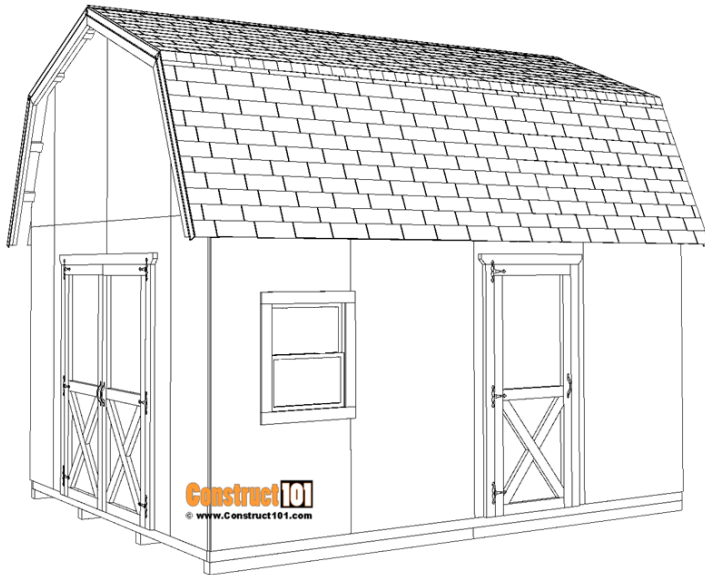
Measure and cut 1/2 in. plywood to size for the roof deck.

Install the roof deck using 2 in. nails.



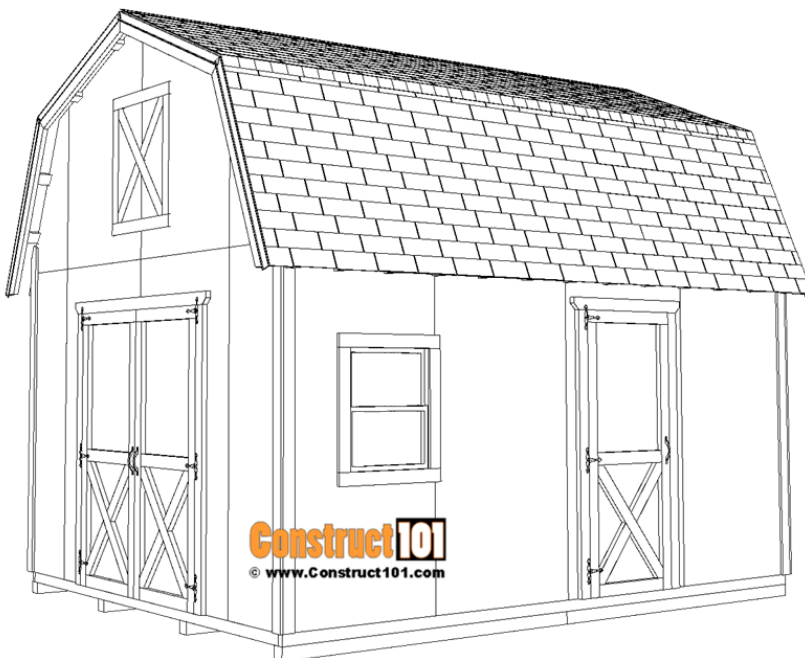
Install roofing felt, drip edge, and shingles.

DOOR



Install door, for details on building a shed door see shed door/window PDF.

TRIM



- 6 - 1x4 - 8 ft.
- 4 - 1x4 - 10 ft.

Measure and cut 1x4 lumber to size for the window and corner trim.

Use 2 in. finishing nails to install 1x4 trim.

