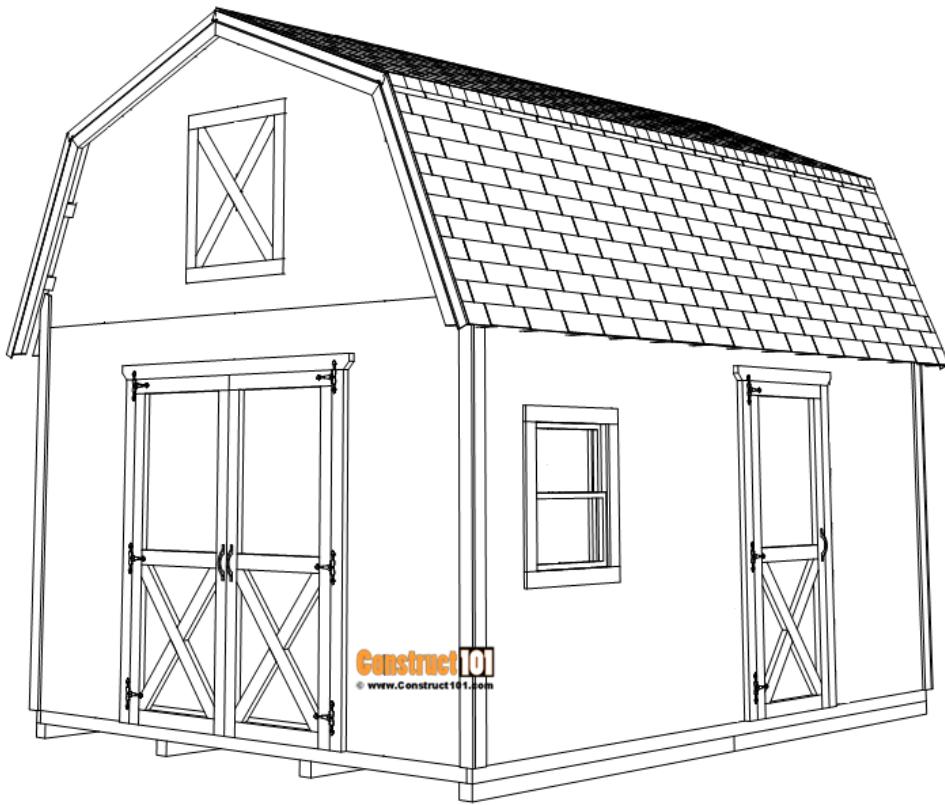




12x16 BARN SHED PLANS



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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	t 1-11 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	

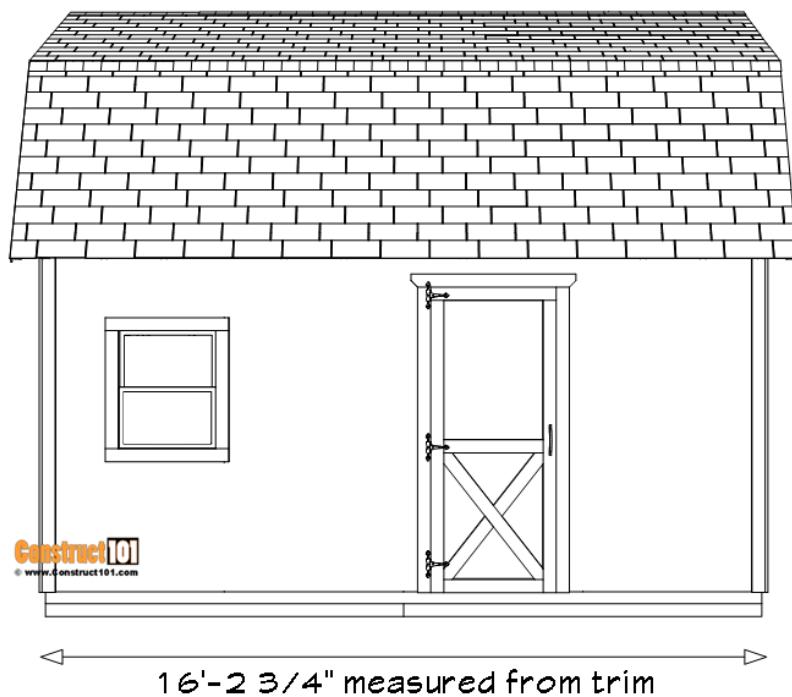
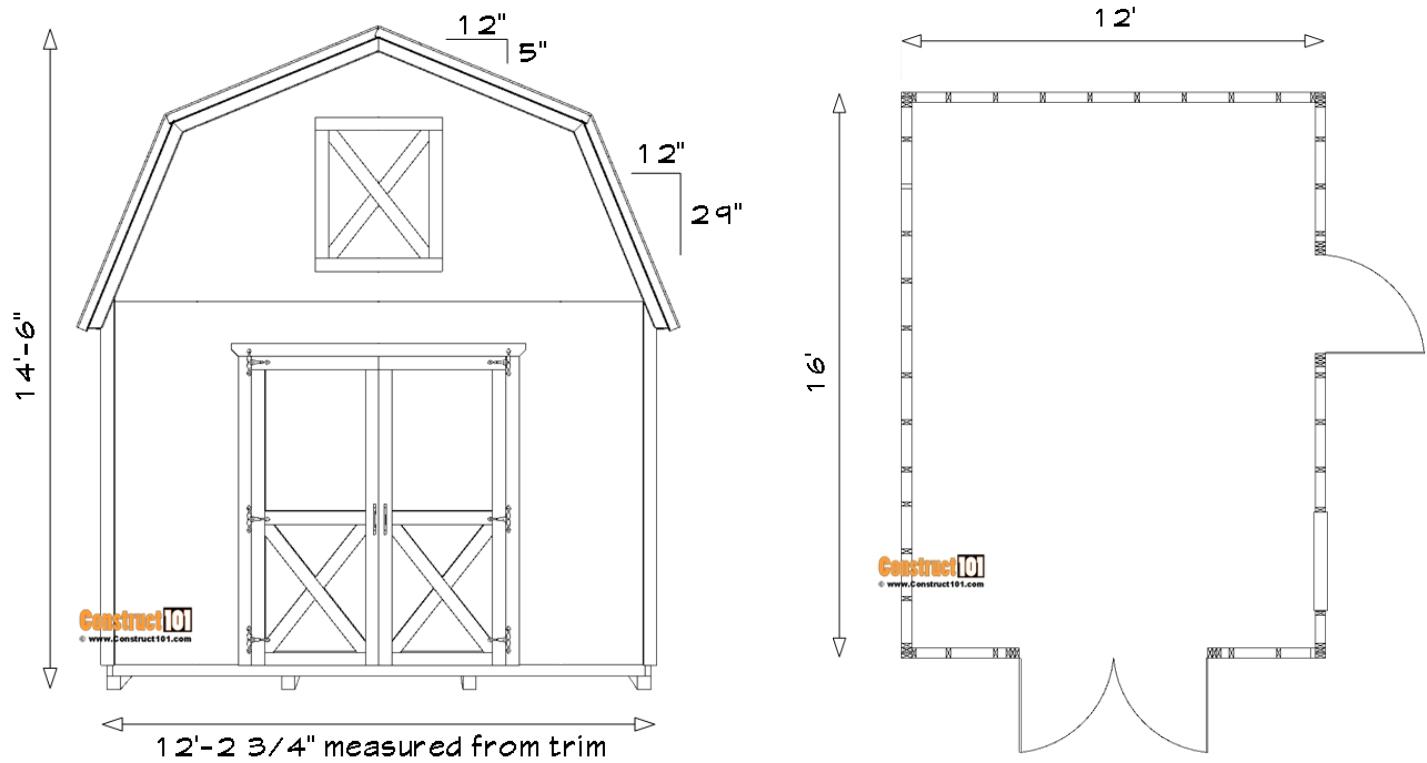


Cutting List

(material for door/window not included)

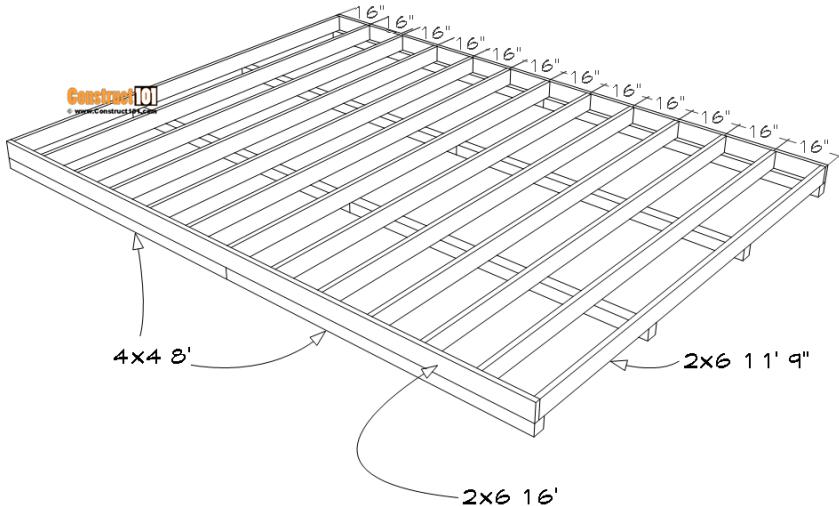
Part#	Qty.	Disc.	Size
floor	8	4x4 (pressure treated)	8 ft.
floor	2	2x6 (pressure treated)	16 ft.
floor	13	2x6 (pressure treated)	1 1 ft. 9 in.
floor	6	tongue and groove plywood	3/4 in. x 4 ft. x 8 ft.
walls	4	2x4	16 ft.
walls	2	2x4	15 ft. 5 in.
walls	54	2x4	7 ft. 6 in.
walls	4	2x4	1 1 ft. 5 in.
walls	2	2x4	12 ft.
rafters/truss	60	2x6	5 9 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	t 1-11 exterior siding	4 ft. x 8 ft.
roof	16	2x4	2 1 3/4 in.
roof	4	2x4	8 ft. (cut to size)
roof	11	plywood	1/2 in. x 4 ft. 8 ft.
door		see <u>shed door/window PDF</u>	
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) 1 1 ft. 9in.



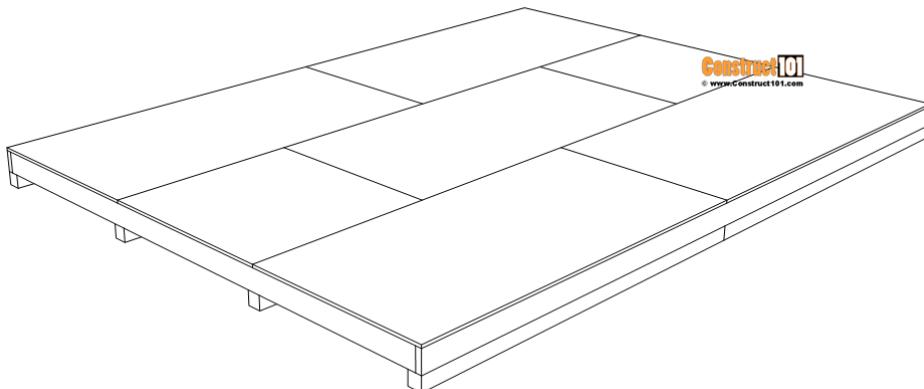
Assemble as shown on drawing, use 3 1/2 in. nails to assemble.

Nail through the band and into the joist.

Joist are spaced out 16 in. on center.

Toenail through frame and into the skids.

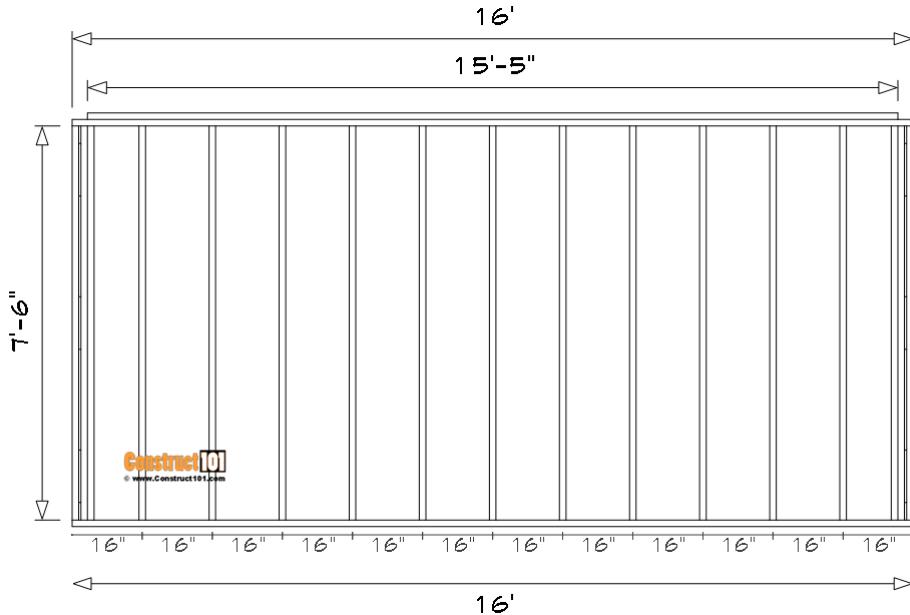
- 6 - tongue and groove plywood - 3/4 in. x 4 ft. x 8 ft.



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

Install to floor frame using 2 in. deck screws.

WALLS

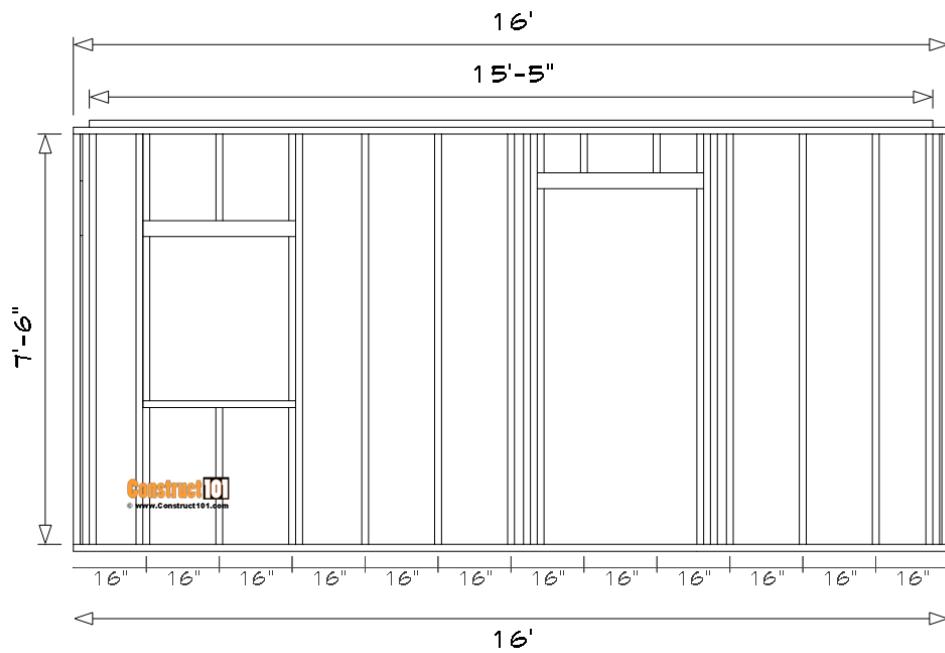


Wall Frame - Sides

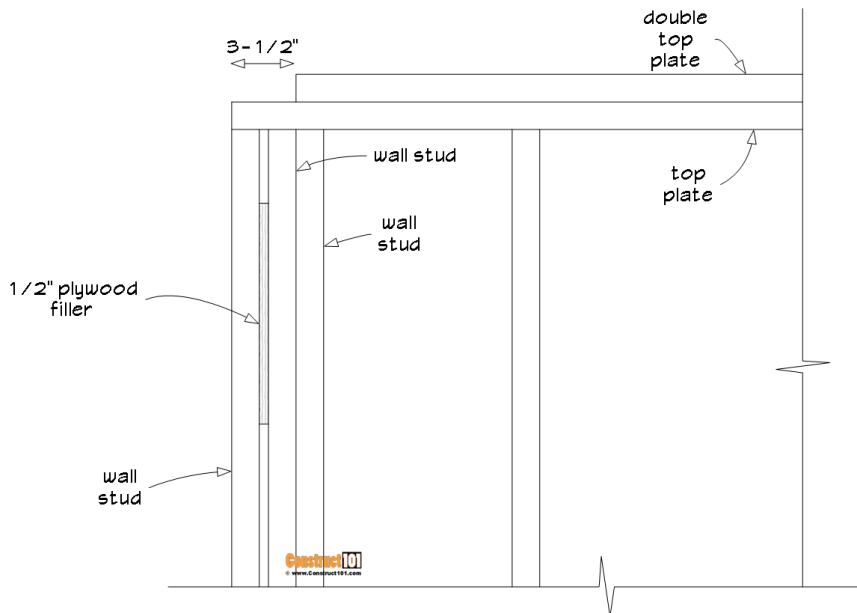
- 4 - 2x4 - 16 ft.
- 2 - 2x4 - 15 ft. 5 in.
- 34 - 2x4 - 7 ft. 6 in.

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

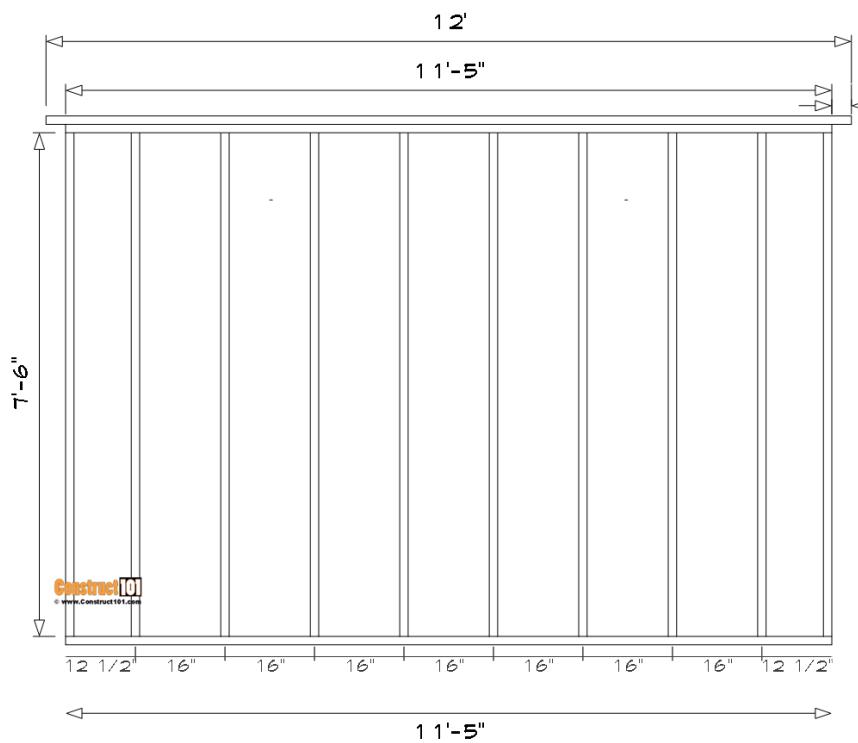
Wall studs are 16 in. on center.



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.

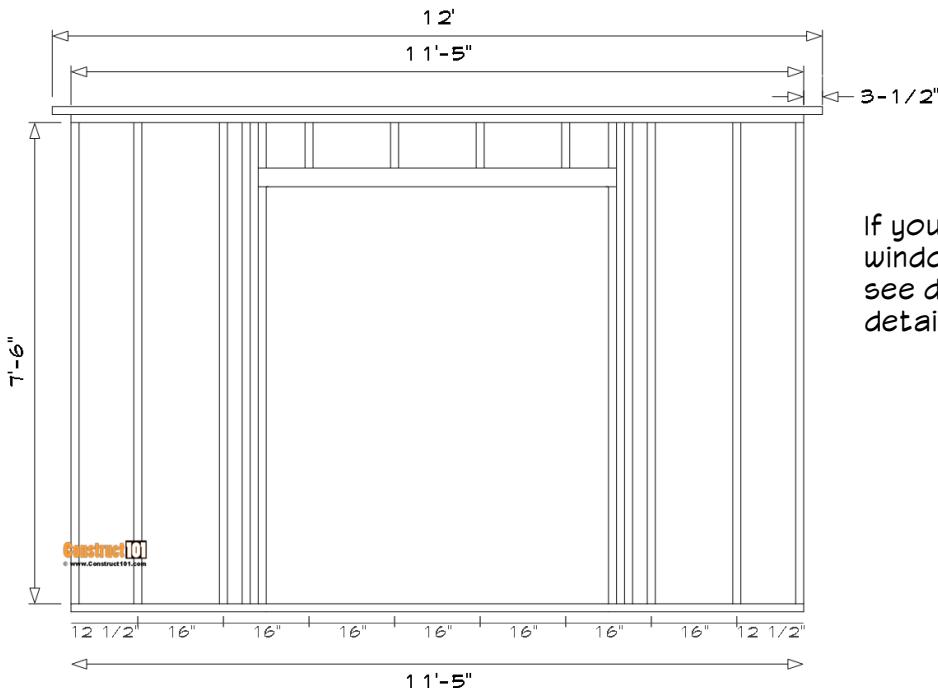


Wall Frame - Front and Back

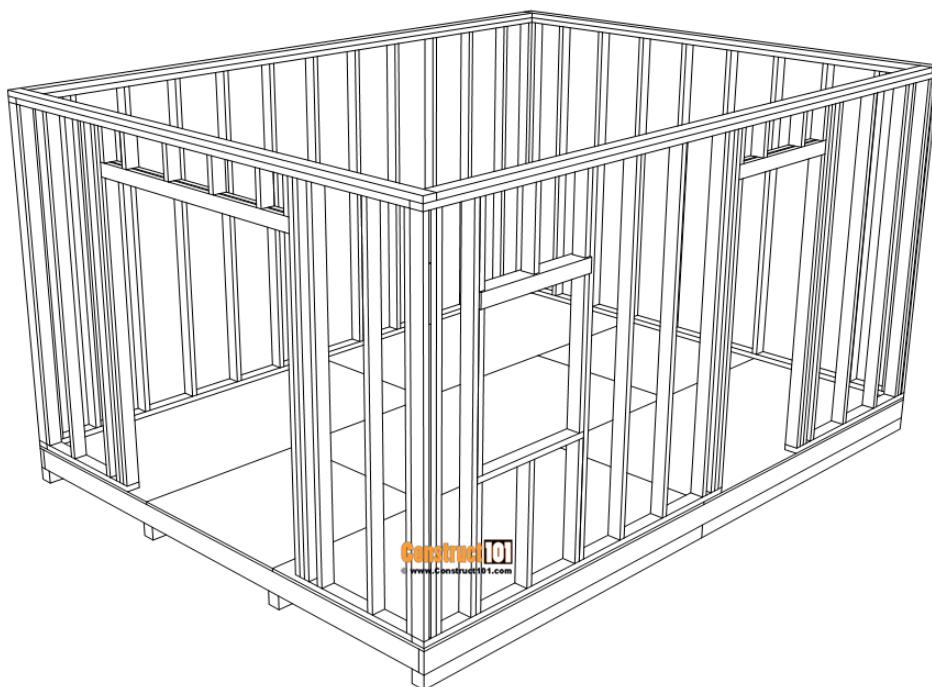
- 4 - 2x4 - 11 ft. 5 in.
- 2 - 2x4 - 12 ft.
- 20 - 2x4 - 7 ft. 6 in.

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

Wall studs are 16 in. on center.



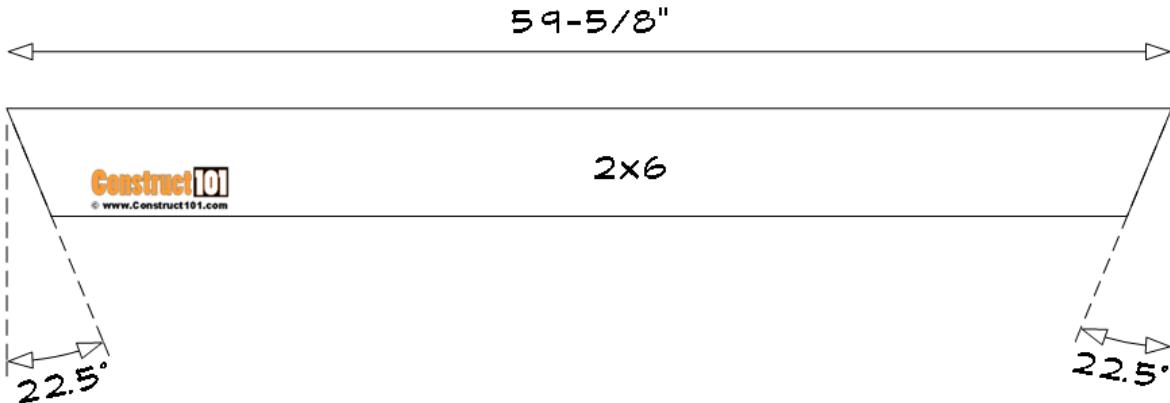
If you are installing a door and window to the front or back walls see door/window PDF for framing details.



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

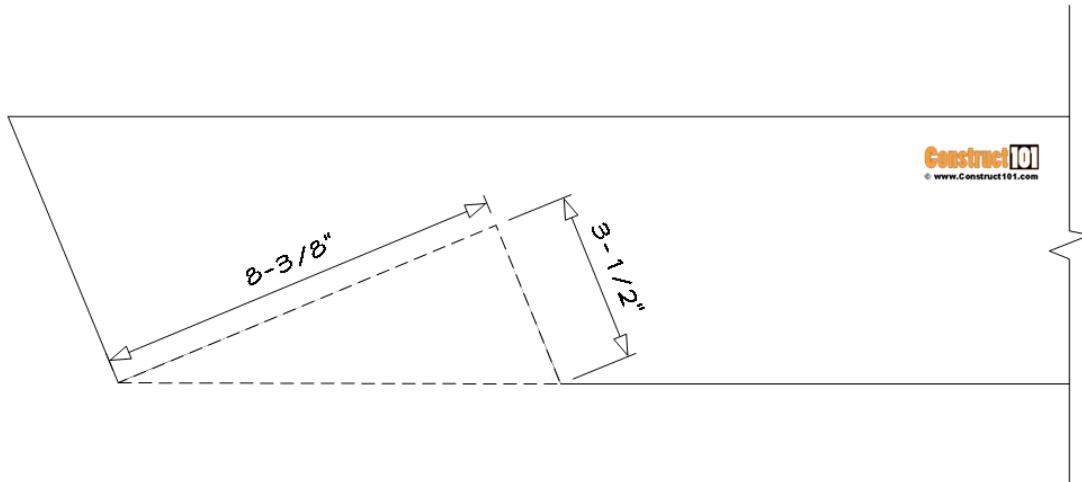
Do not nail on bottom plate door opening, plate on door opening will be cut and removed.

RAFTERS/TRUSS

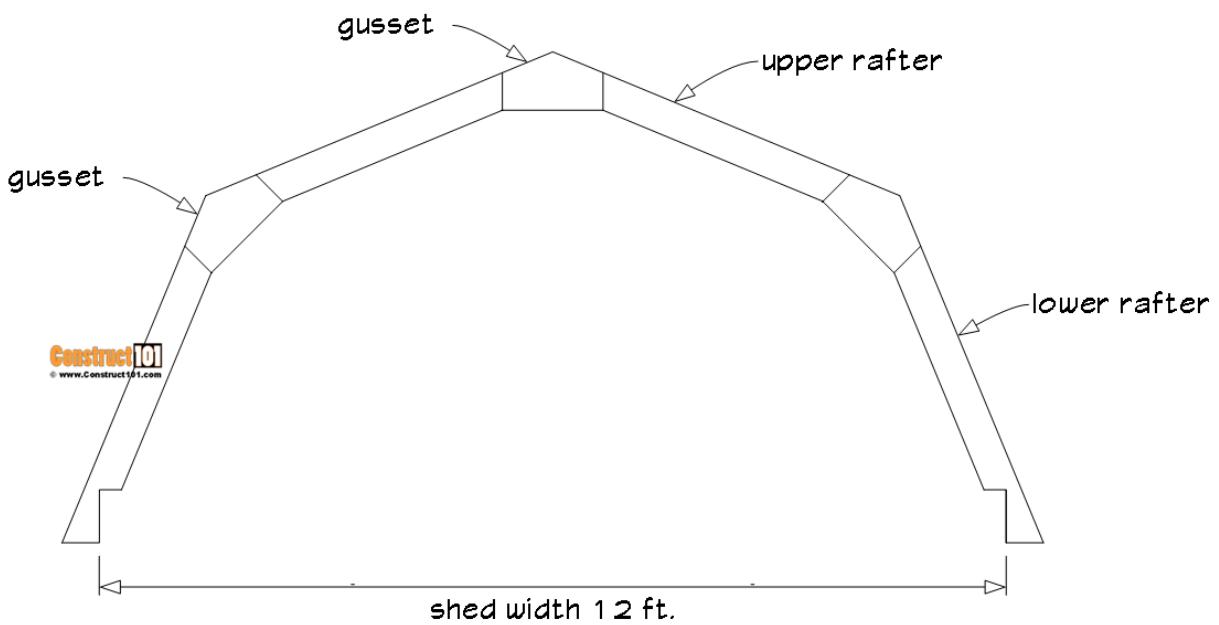
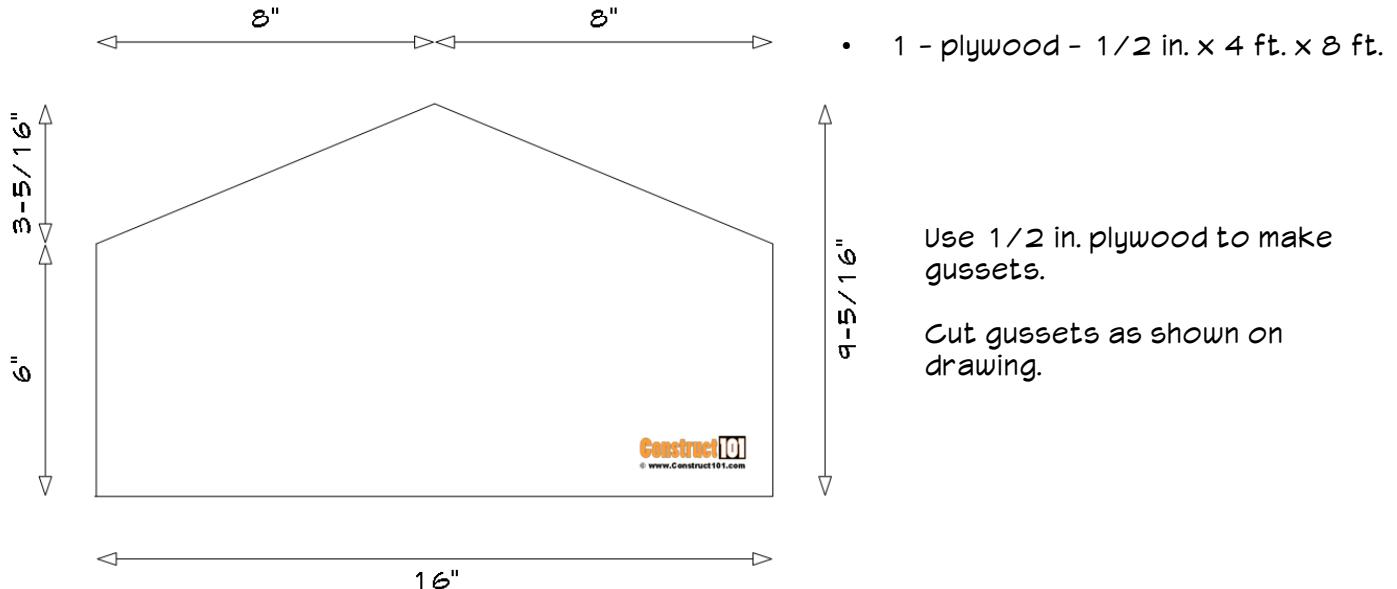


- 60 - 2x6 - 59 5/8 in. (22.5-degree angle cuts on both ends)

Cut the 2x6 rafters to size as shown on drawing

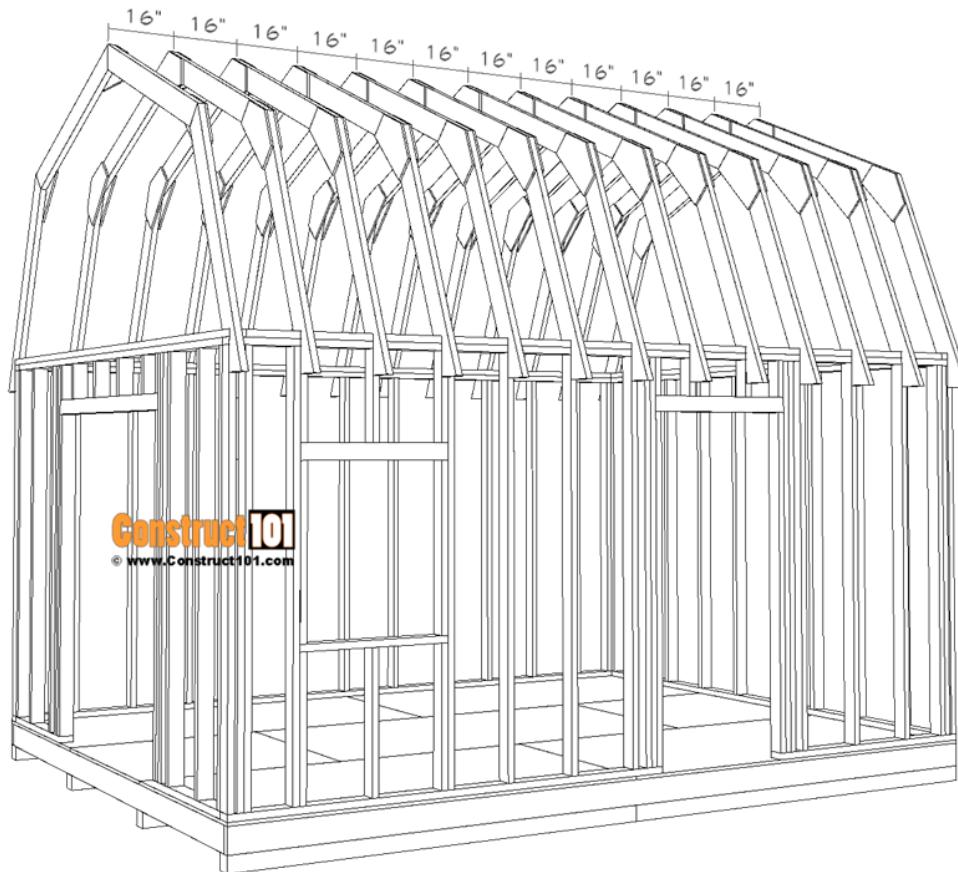


Using a framing square, measure and cut the birds mouth as shown on drawing on 26 of the rafters.



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

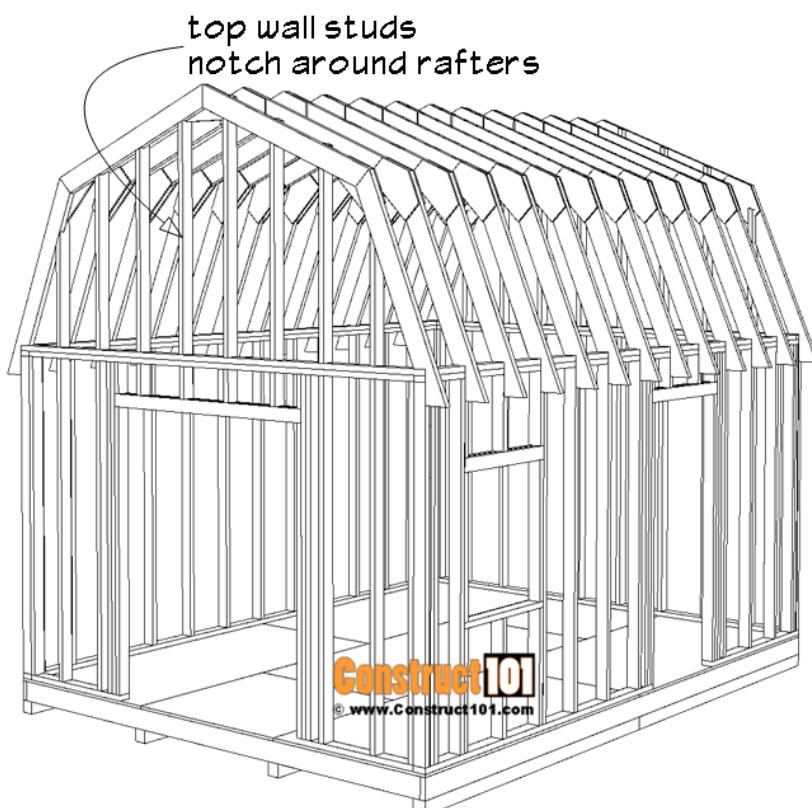
Screw through the gusset and into the rafters.



Install roof truss as shown on drawing.

Roof truss is spaced out 16 in. on center.

Install using 3 1/2 in. nails.

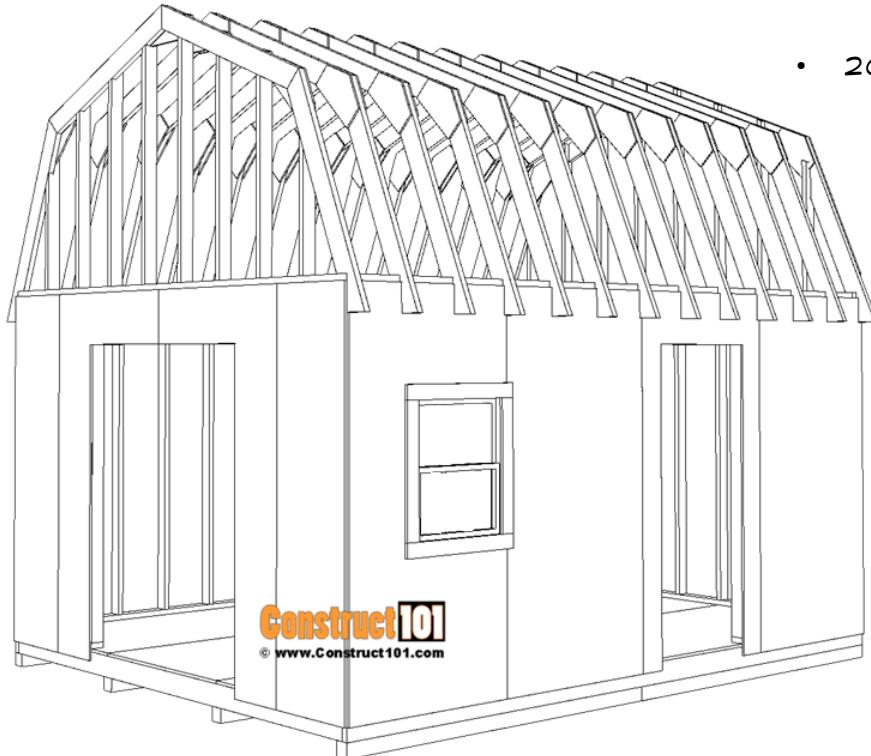


- 14 - 2x4 - 8 ft.

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

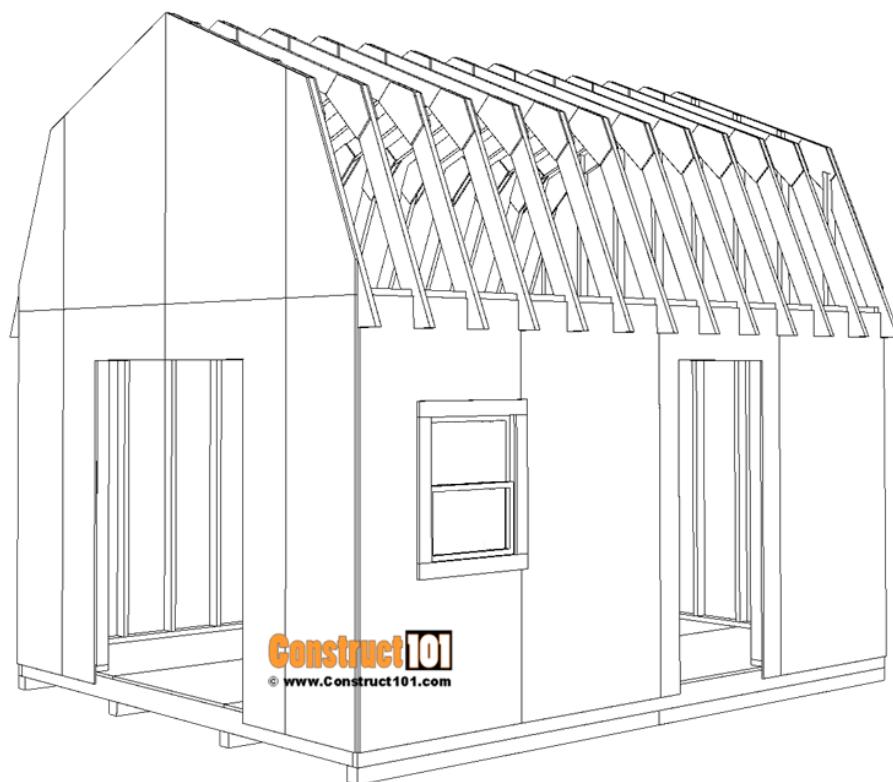
Notch the top end of the 2x4's around rafters.

SIDING



Install siding using 2 in. finishing nails.

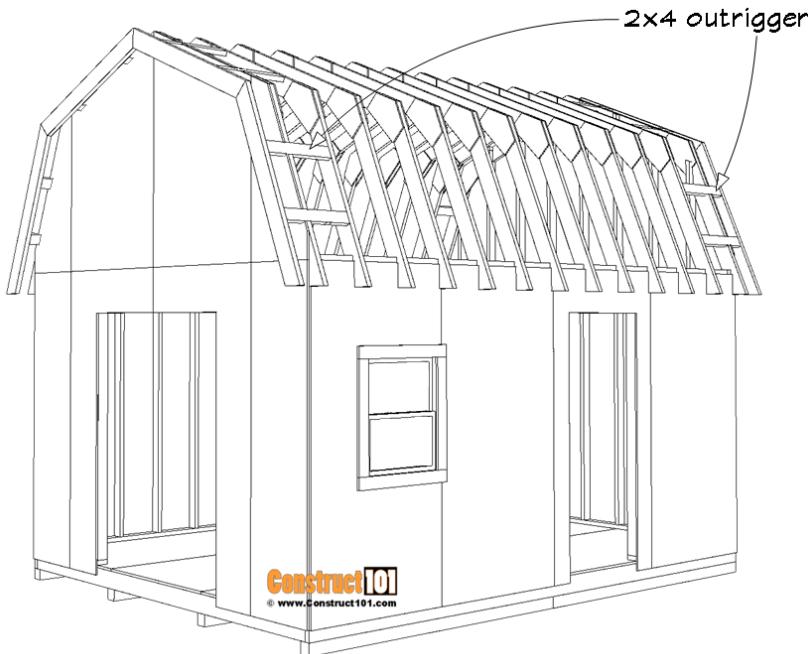
Notch siding around rafters.



Use Z-flashing between the top and bottom siding.

Cut siding along rafters.

ROOF



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

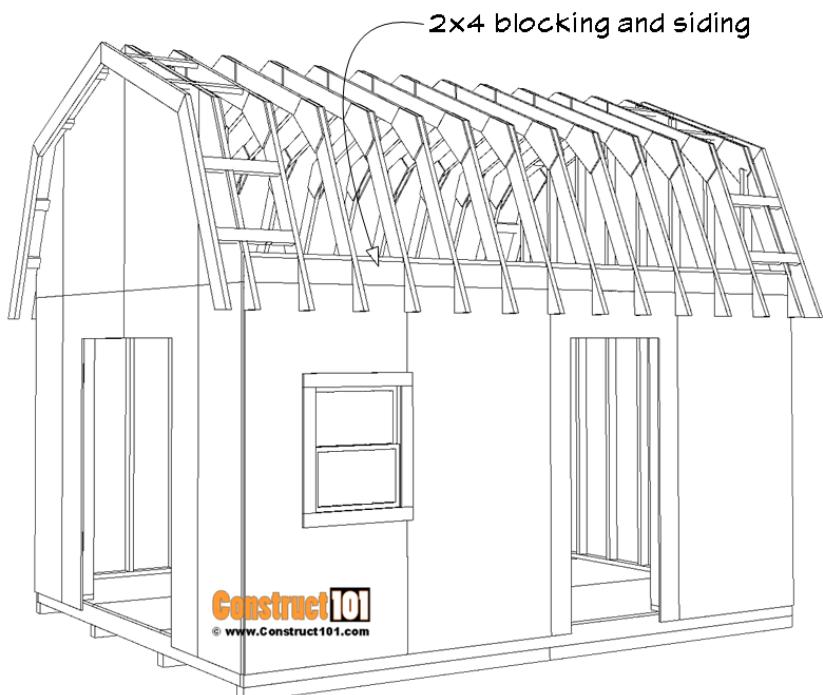
The front and back of the shed will have about an 8 in. roof overhang.

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.

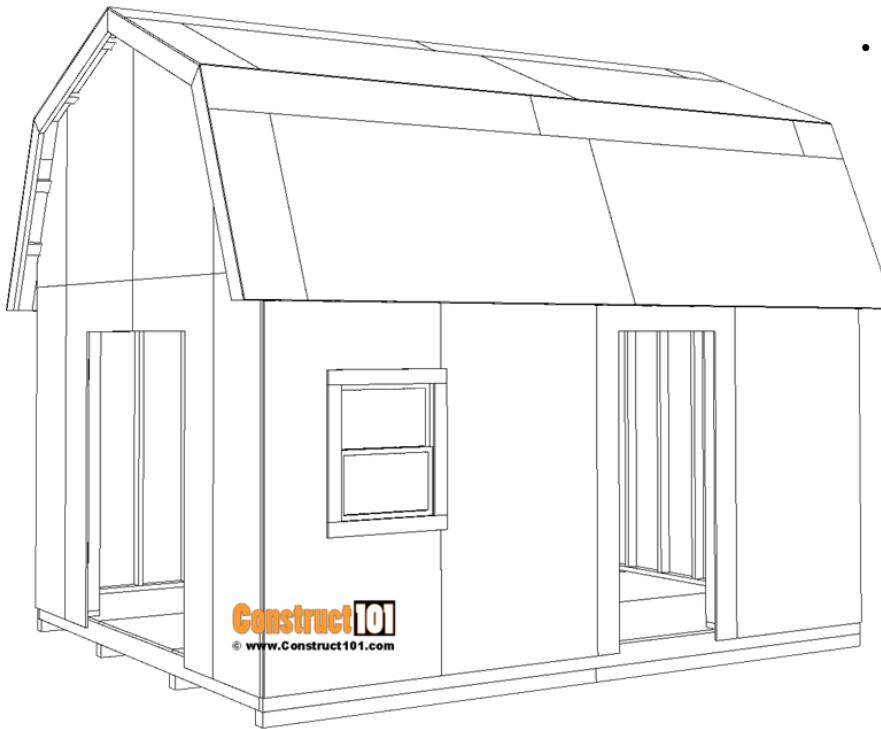
Install using 3 1/2 in. nails.

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



- 4 - 2x4 - 8 ft.

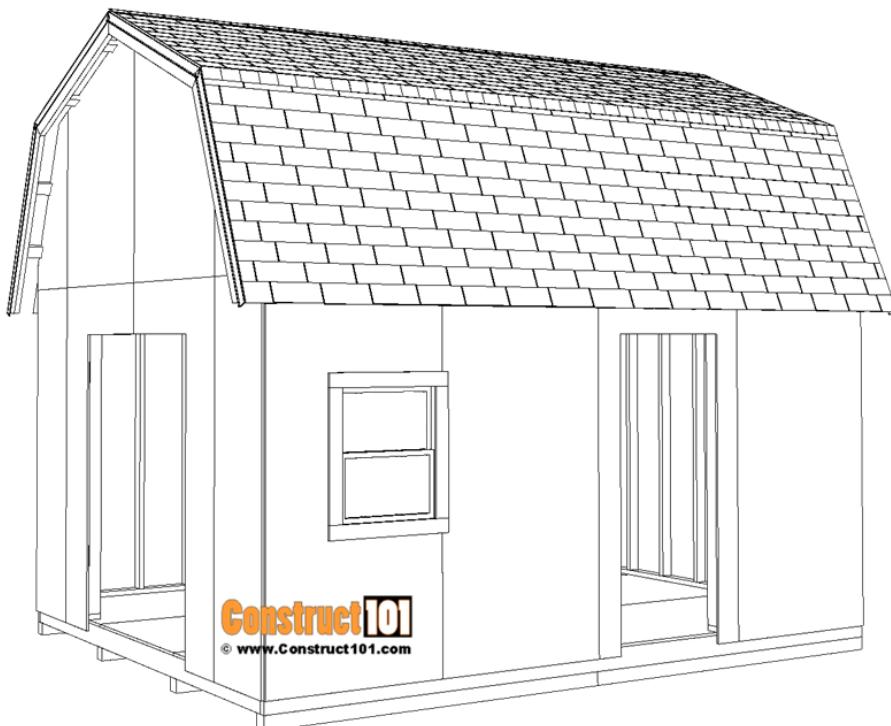
Measure and cut 2x4's and siding to size to fill in the gaps between the walls and roof as shown on drawing.



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

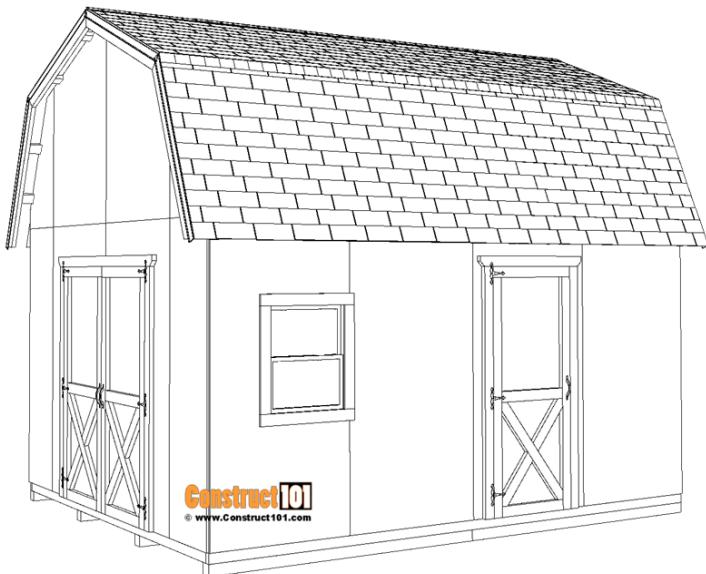
Measure and cut 1/2 in. plywood to size for the roof deck.

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.



NOTES