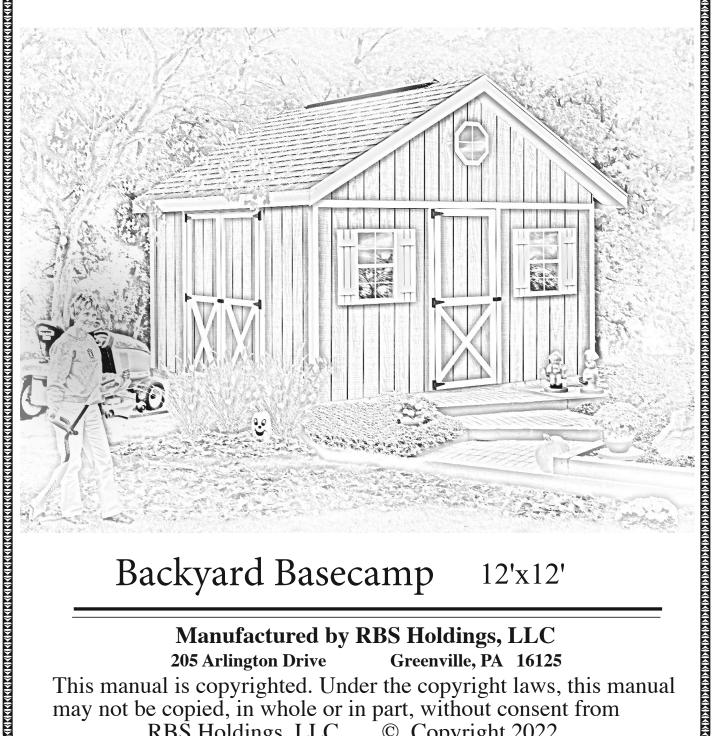


Assembly Book

Revised April 11, 2024



Backyard Basecamp 12'x12'

Manufactured by RBS Holdings, LLC 205 Arlington Drive Greenville, PA 16125

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IMPORTANT INFORMATION ABOUT YOUR KIT

Thank you for purchasing our kit. Please read the following information before beginning construction. Always check with your local HOA or building code office for any requirements or restrictions.

Floor: Wood flooring is sold optionally. You may choose to build your own or pour a cement pad.

Always wear safety glasses when cutting or nailing!

Tools Required: Hand or Circular Saw Level Safety Glasses

Manuscript Transport Models

Cordless Drill Measuring Tape Dust Mask
Hammer 6'-8' Ladder(s) Phillips Screwdriver

Pencil Framing Square

Additional Materials - Not included in kit:

Windows are purchased separately

Required: Shingles or metal roofing, Drip Edge, Roofing Nails or Screws, Paint

Optional: Caulk, Ridge Vent

Terminology:

Square - Confirm corners are at 90 degrees

Plumb - Confirm walls and trusses are straight vertically

Wall Plate - Top and bottom 2x4s used to frame walls

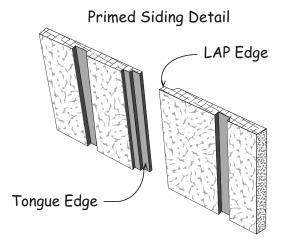
Tie Plate - 2x4s connecting wall sections together

Header - Spans top of door opening

OSB - Oriented Strand Board

LAP - Edge of siding that overlaps Tongue

Tongue - Edge of siding that is overlapped



Organize:

Unpack all items & organize according to size and type. This will make items easier to find when instructed.

Review the parts list on the back page. Should there be missing items or sub-par material contact Best Barns Customer Service.

DO NOT discard any material including the pallet until your project is complete.

Assembly:

Review all instructions before you begin. Please follow steps carefully and in sequence for successful results.

If you have any questions we are happy to assist you. Please contact us at:

800-245-1577 - Mon - Fri 8AM - 5PM EST

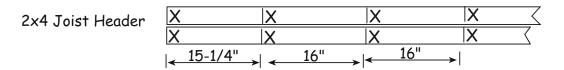
724-866-4357 - After hours and weekends

Email - questions@barnkits.com

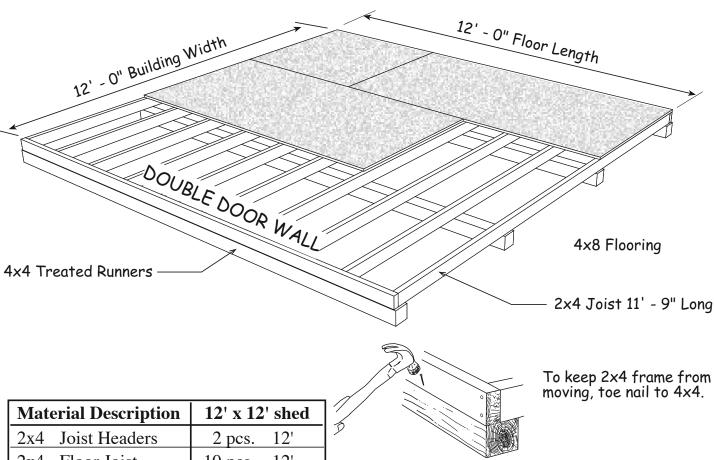
Typical Wood Floor System

Shown below is a typical wood floor. Depending on your area, the construction may have to be changed to meet local codes. When using a concrete slab, use the same overall foundation measurements. Install foam sill sealer as a moisture barrier between the concrete and the wall plates. Foam sill sealer can be purchased at home centers in rolls 3-1/2" or wider.

1. Cut (2) two 2x4-12' joist headers to a length of 12 '- 0". Layout for 16" on center spacing. 'X' marks where floor joist will be placed.



2. Cut 2x4-12' floor joist to 11'-9". *Treated lumber may be thicker than 1-1/2*". *Take this into account when cutting the length of floor joists. Shorten joist measurements if necessary to obtain 12'-0" building width.*



Material Description12' x 12' shed2x4 Joist Headers2 pcs. 12'2x4 Floor Joist10 pcs. 12'4x4 Treated Runners4 pcs. 12'Flooring 5/8" or 3/4"5 pcs. 4x8Screw Floor Nails2 lbs. 8dGalv. Box Nails1 lb. 16d

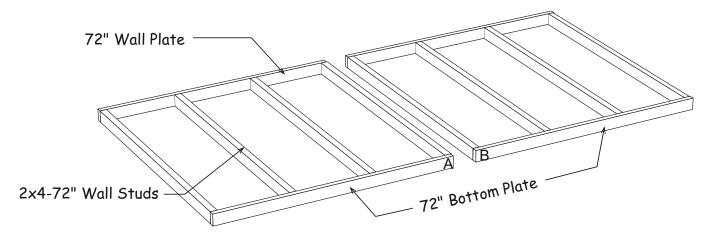
It is important that the floor be level and square. Before nailing the flooring, measure the floor diagonally (corner to corner). Then measure the opposite corners. These measurements will be the same if the floor is square.

Do not discard any material until construction is complete. Including short blocks of 2x4s.

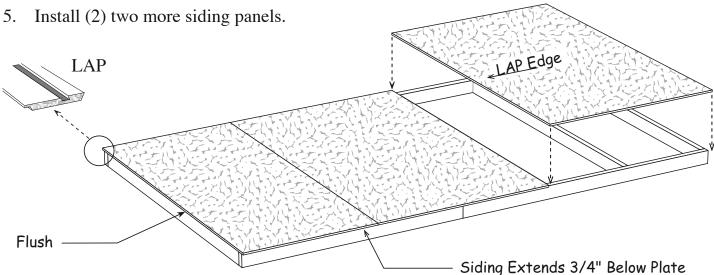
Step 1 Assemble 12' Long Back wall

1. Gather (4) four 2x4-72" boards and position together then indicate with 'X' marks, where the wall studs will be located. Mark the ends that will butt together with 'the letters A' and 'B'.

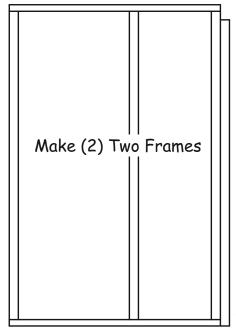
	72" W	/all Plate		72"	Wall Plate	X			
X	X	X	AB	X	X	X			
X	X	X	AB	X	X	X			
—	23-1/4" > < 24	···	-	23-1/4"	24"				



- 2. Install (8) eight 72" wall studs between the top and bottom plates. Use 10d sinkers, two (2) nails at each stud end. Nail both wall frames together with 10d sinkers.
- 3. Square wall frame. *Measure diagonally (corner to corner). The measurements will be the same when the wall is square.*
- 4. Install the first siding panel with the 'LAP edge' flush the end of the wall and extending 3/4" below the bottom plate. Use 6d galv. nails spaced 8" apart.



Step 2 Assemble Double Door Side Walls

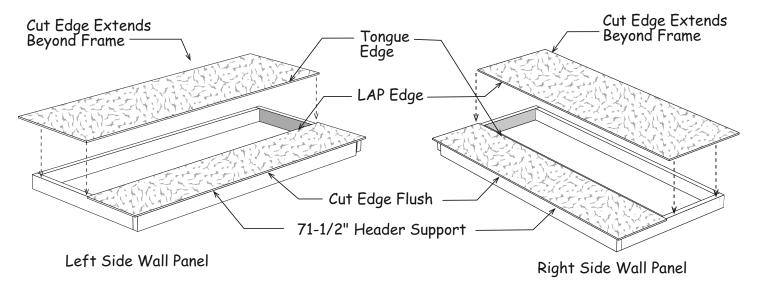


1. Locate (2) two 34-3/4" long 2x4s and position them together Indicate with 'X' marks where studs will be located.

	34-3/4"	Wall Plate	
X		X	X
X		X	X
—	19-3/4"	→	

- 2. Install (3) three 72" wall studs between 34-3/4" wall plates.
- 3. Locate (1) one 2x4-72" and cut to 71-1/2". Install as a header support on right side as shown and flush with bottom plate. Use 10d sinkers.
- 4. Locate (1) one 2x4-72" and cut (2) two 34-3/4" plates from this board. Repeat steps 2 and 3 to assemble another wall frame.

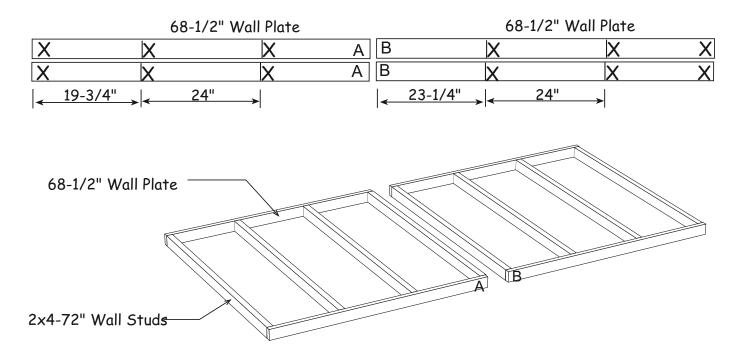
- 5. Select one frame and position so header support is on right.
- 6. Locate a 16" wide siding panel with a 'LAP' edge. Install this panel with the <u>cut edge</u> flush with the 2x4 header support. Bottom edge will be 3/4" below bottom plate. Only nail along cut edge until next panel is installed.
- 7. Cut a 48-3/4" wide siding panel in half lengthways.
- 8. Select cut panel with the tongue edge. Install this panel so cut edge extends 3-1/2" beyond the end of the frame and tongue edge under the 16" panel. The siding should extend 3/4' below the bottom plate. Nail both siding panels to frame.



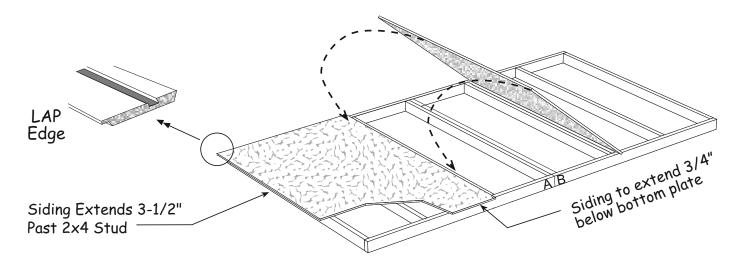
7. Locate a 16" wide siding panel with a tongue edge and the remaining 24" wide cut panel. Install these on remaining frame. Make sure header support is oriented to the left.

Step 3 Assemble 12' Long Sidewalls - No Doors

1. Gather (4) four 2x4-68-1/2" boards an position together then indicate with 'X' marks, where the wall studs will be located. Mark the ends that will butt together with the letters 'A' and 'B'.

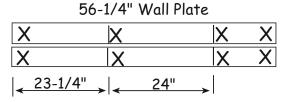


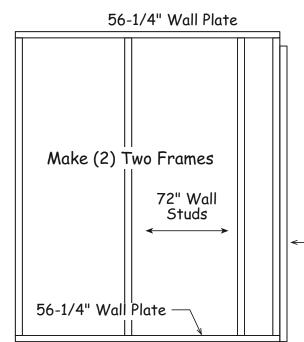
- 2. Install (8) eight 72" wall studs between the top and bottom plates. Assemble wall frames with 10d sinkers, (2) two nails at each stud end. Nail both wall frames together with 10d sinkers.
- 3. Square wall frame.
- 4. Install the 1st siding panel with the 'LAP' edge extending 3-1/2" past the wall frame. The bottom will extend 3/4" below the bottom plate.
- 5. Install (2) two more siding panels. Cut the last panel to extend 3-1/2" beyond the wall frame.



Step 4 Assemble (2) Two Front Wall Frames

1. Cut (2) two 58-1/2" long 2x4s to 56-1/4". Position them together and indicate with 'X' marks where studs will be located.





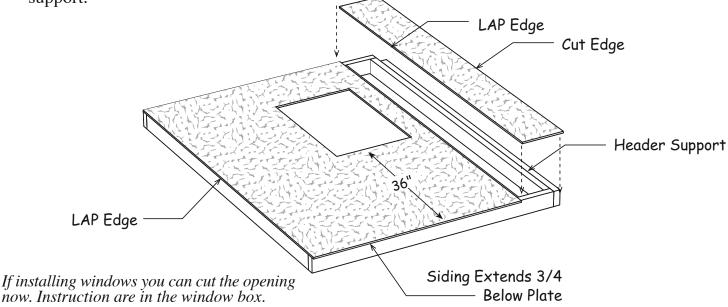
- 2. Install (4) four 72" wall studs between the wall plates.
- 3. Locate (1) one 2x4-72" and cut to 71-1/2". Install as a header support on right side as shown and flush with bottom plate. Use 10d sinkers.
- 4. Locate (2) two 2x4-72" boards and cut each to 56-1/4".
- 5. Repeat steps 2-3 to assemble another wall frame.

— 71-1/2" Header Support

Step 5 Apply Siding to Left Front Wall Frame

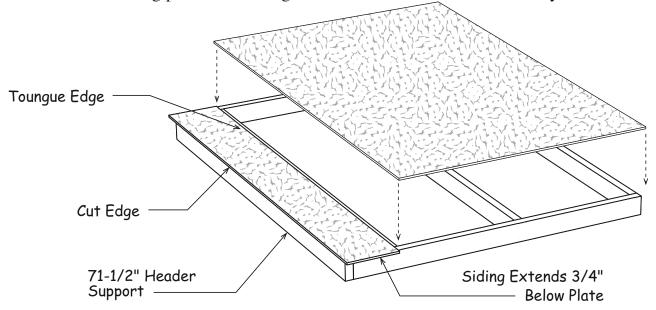
1. Select one of the wall frames from **Step 4**. Position frame with the header support on the right. Install a full width siding panel with the 'LAP' edge' flush with the end of the wall frame.

2. Install a 9-3/4" wide siding panel with a 'LAP' edge. The cut edge should be flush with header support.



Step 6 Apply Siding to Right Front Wall Frame

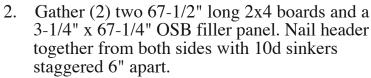
- 1. Select the remaining wall frame. Position wall frame with the header support on the left.
- 2. Install a 9-3/4" wide panel with a 'Tongue' edge. Install with the 'cut' edge flush with the 2x4 header support.
- 3. Install a full width siding panel. Cut siding flush with end of frame if necessary.

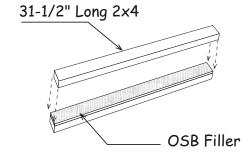


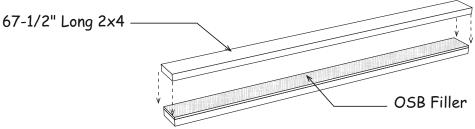
Step 7 Assemble Door Headers

1. Gather (2) two 31-1/2" long 2x4 boards and 3-1/4" x 31-1/4" OSB filler panel. Nail header together from both sides with 10d sinkers staggered 6" apart.

This material is packed in door carton.

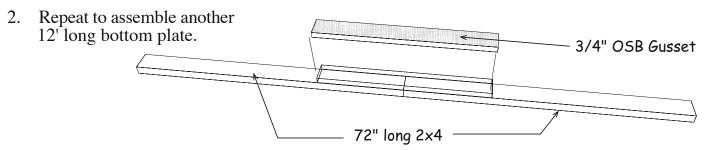




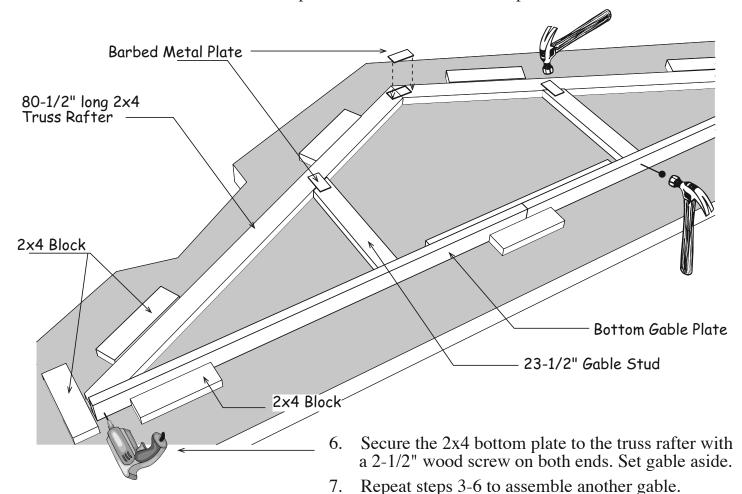


Step 8 Assemble Roof Gables

1. Butt (2) two 72" long 2x4s together and secure them with a 3-1/2" x 31-3/4" long OSB gusset across the top where they butt together. Use (12) twelve 6d common nails. This will be used as the bottom plate on the roof gables.

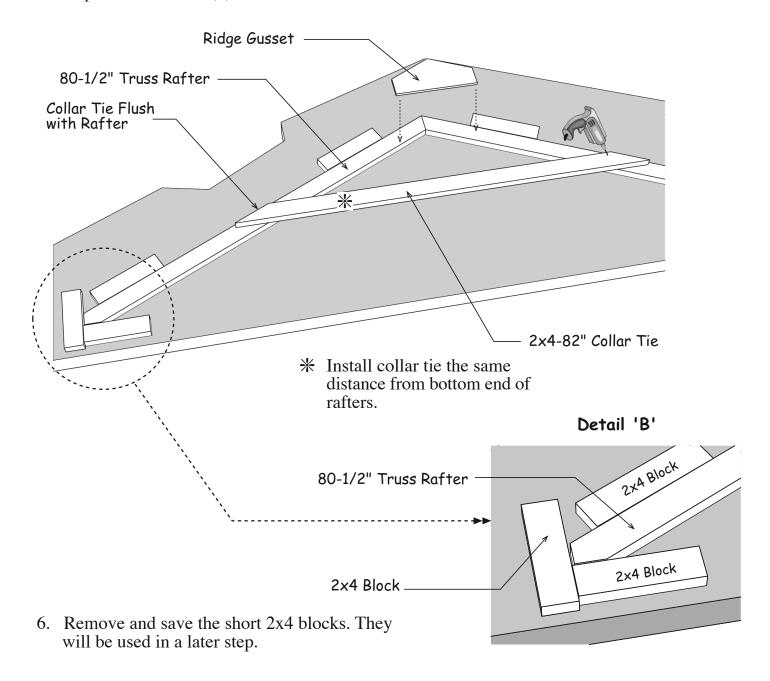


- 3. Place the bottom gable plate on the floor along with (2) two 80-1/2" long 2x4 truss rafters as shown below. Bottom plate will be on edge. There are short 2x4s, *that may have an angle on one end*, supplied in the kit. Use these to hold the truss rafter and bottom gable plate together by temporarily screwing the blocks to the floor using 2-1/2" screws. This will ensure that the gable frames and the trusses, *assembled next*, are identical.
- 4. Secure the top of the truss rafters together with a 1"x4" barbed metal drive-on plate.
- 5. Install (2) two 23-1/2" gable studs with angle cut at one end. Nail through the bottom plate with 10d sinkers and secure the top with barbed metal drive-on plates.



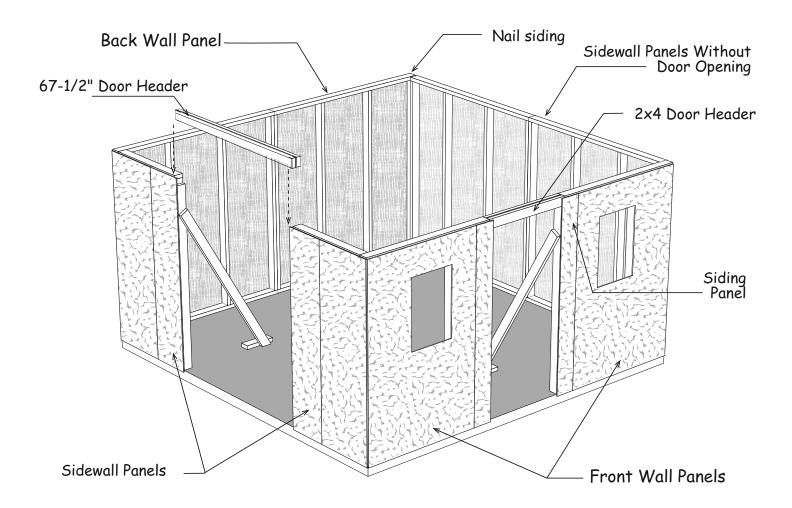
Step 9 Assemble Roof Trusses

- 1. Place (2) two 80-1/2" long 2x4 truss rafters and a 82" long collar tie together as shown below. The collar tie has an angle cut on both ends. Reposition the lower 2x4 blocks to hold the truss rafters in place. See '**Detail B**'.
- 2. Secure the 2x4 truss rafters at the top with a 8" x 16" wood gusset. Nail the gusset to the 2x4s with (14) fourteen 6d common nails,
- 3. Secure the 2x4 collar tie with (4) four 2-1/2" long wood screws at each end. Tip: Pre-drill holes with an 1/8" bit to prevent wood splitting at ends.
- 4. Turn this truss over and apply a wood gusset to the opposite side at the ridge.
- 5. Repeat to assemble (4) four more trusses.



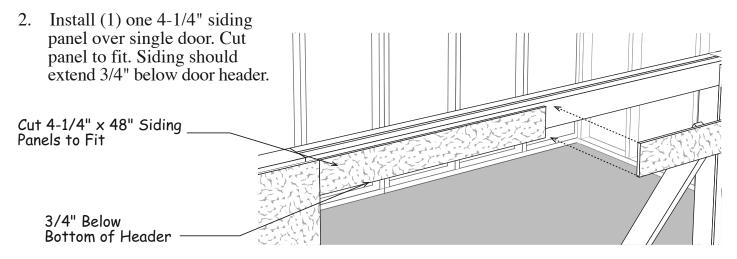
Step 10 Set Walls Panels

- 1. Erect wall panels. **IMPORTANT make sure walls are plumb and square.** Secure wall panels together at the corners. Use (4) four 10d coated nails per corner.
- 2. Nail along siding edge where it overlaps at corners. Nail through the bottom plate. Space 10d sinkers 24" apart.
- 3. Install the 67-1/2" door header between the sidewall panels. Nail through the wall stud into the ends of the header. Toenail into the top wall plates.
- 4. Install the 31-1/2" door header between the front wall panels.
- 5. Temporarily install (2) two 2x4-72" boards at both sides of the door opening to hold the wall straight. These boards will be used later for tie plates.



Step 11 Install Siding on Door Headers

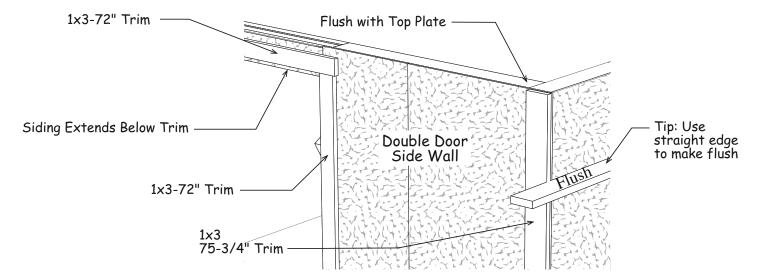
1. Install (2) two 4-1/4" siding panels over the door header on the end wall. The siding should extend 3/4" below the door header. Wall trim, installed later, will hide where the siding butts the front wall siding.



Step 12 Install Side Wall and Double Door Trim

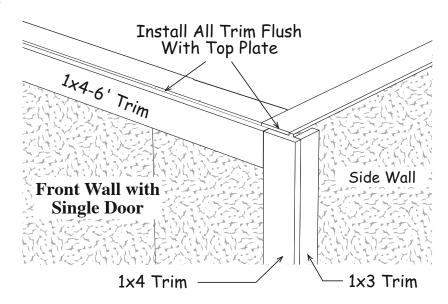
Tip; Paint the siding and trim boards before installing the trim.

- 1. Install (2) two 75-3/4" long 1x3 corner trim boards to the side wall flush with the top 2x4 wall plate and flush with siding on the front and back walls. Use 6d galv. nails spaced 12" apart.
- 2. Repeat on opposite side wall.
- 3. Install a 1x3-72" trim board centered across the top door opening flush with top of siding. The header siding will extend below this trim board.
- 4. Locate (2) two 1x3-72" boards. Tack these, with a couple nails, flush to each side of the door opening and against bottom of upper trim.



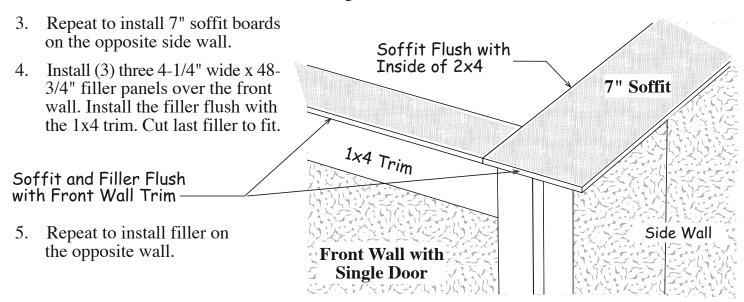
Step 13 Install Trim

- 1. Install a 75-3/4" long 1x4 trim board to the front wall flush with wall plate and with 1x3 trim.
- 2. Butt a 1x4-6' trim board against 1x4 corner trim and flush with top plate. Nail along top edge.
- 3. Cut a second 1x4-6' trim board to finsh at opposite corner.
- 4. Repeat to install trim on back wall and opposite side wall.



Step 14 Install Primed Soffit

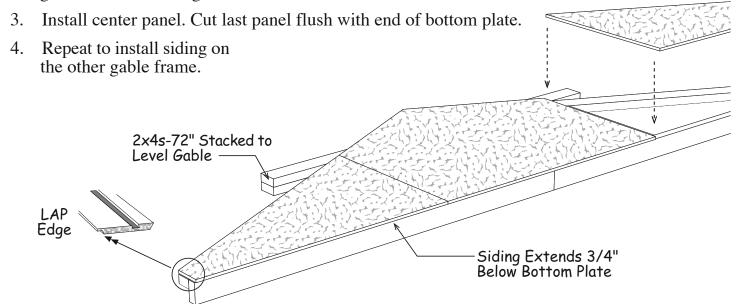
- 1. Locate (1) one 7" wide x 48-3/4" long siding panel and cut in half. Install one half over the side wall with the primed side facing down. Cut edges should be flush with the inside of the top 2x4 wall plate and flush with the trim on the front wall. Tack the soffit with a couple 6d common nails. Installing 2x4 tie plates in a later step will provide more nailing.
- 2. Install (3) three more soffit boards cutting the last board flush with the back wall trim.



Step 15 Install Siding on Gables

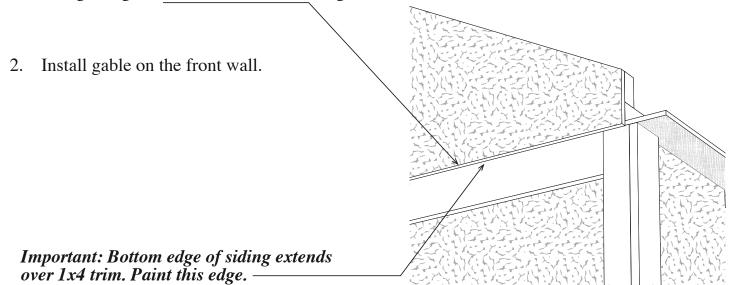
Gable siding is factory cut to be installed either working from left to right or right to left. Regardless of the direction always begin with the 'LAP' Edge flush with end of the gable.

- 1. Select one of the gable frames. Turn the gable over so bottom plate is on edge on floor. Support gable studs and rafters with (2) two 2x4-72" boards stacked. This will give you a solid surface when nailing siding.
- 2. Install a gable siding panel with the 'LAP' edge flush with the end of of bottom plate. Use 6d galv. nails. The siding will extend 3/4" below the bottom 2x4.



Step 16 Install Gables

1. Install a gable on the rear wall. The gable siding will extend over the 1x4 trim on the lower wall. Secure gable to wall by nailing through the gable plate with 10d sinkers. Nail siding along the 1x4 trim board with 6d galv. nails.



Step 17 Install 2x4 Tie Plates

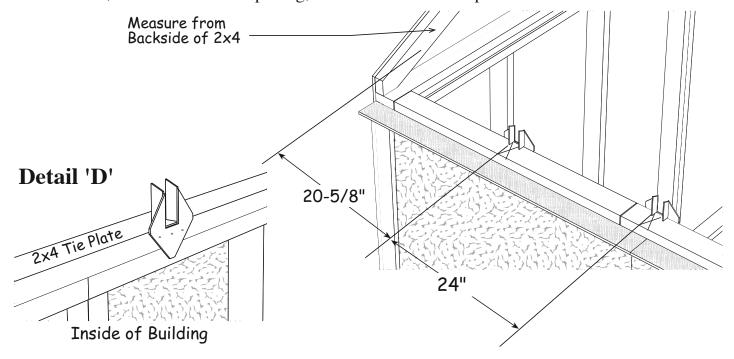
- 1. Install (1) one 72" long 2x4 over the soffit panels on a side wall. Install the 2x4 flush with the inside of the side wall. Use 10d sinkers.
 - 2. Cut to fit another 72" long 2x4 and butt against gable to finish.
 - 3. Repeat process to install 2x4 tie plates on the opposite wall.

 2x4-72" Flush with Inside Wall

 Side Wall Panels

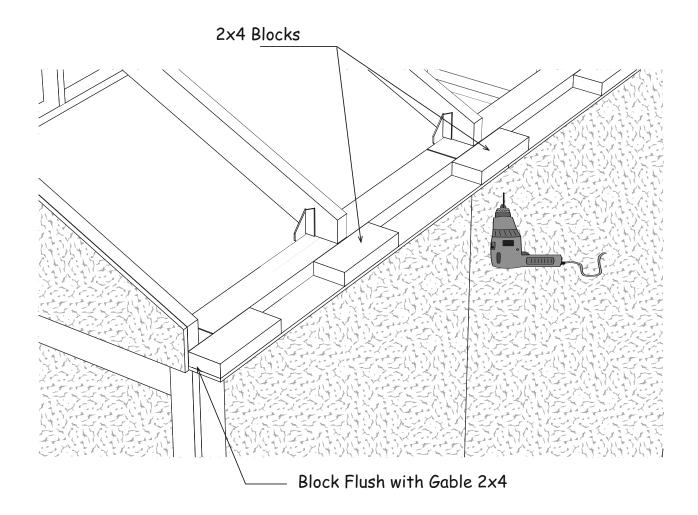
Step 18 Layout Roof Trusses

- 1. Layout the truss spacing from the rear wall of the building. Measure from the <u>backside</u> of the 2x4 gable frame when marking the location of the first truss. Continue 24" spacing to other gable. **Important:** When marking the opposite wall, place the 'X' mark on the same side of the line so your trusses are parallel when they are installed.
- 2. Install metal hangers to the tie plate with hanger nails. The opening should line up with the 'X' mark, the bottom of the opening, flush with the 2x4 tie plate. **Detail 'D'**.



Step 19 Set Roof Trusses and Soffit Blocks

- 1. Set roof trusses. Secure trusses to metal hangers with hanger nails.
- 2. Install short 2x4 blocks at both ends of each truss. Secure 2x4 blocks to the soffit panel using (2) two 1-1/2" long exterior screws.
- 3. Install a 2x4 block at each end of the soffit, flush with the 2x4 gable frame. Not siding.



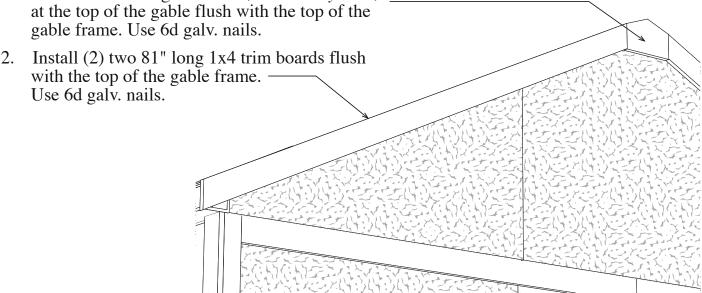
Step 20 Install Siding Filler

Install small primed siding fillers, packed with the hardware, over the 2x4 soffit blocks. Siding fillers will be flush with the gable siding. Use 6d galv. nails.

Siding Filler

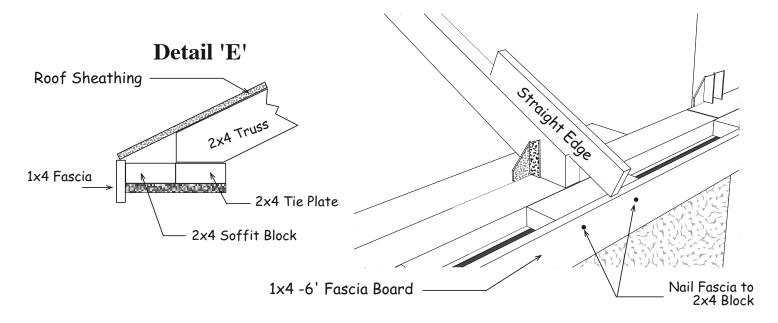
Install Rear Gable Trim Step 21

1. Install a 8-1/2" long trim board, called a keystone, at the top of the gable flush with the top of the gable frame. Use 6d galv. nails.



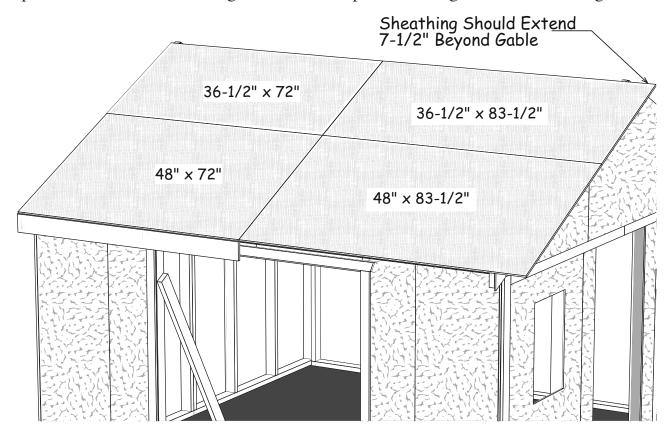
Step 22 **Install 1x4 Fascia**

- Starting at the rear of the building, install a 1x4-6' fascia board against the rear gable trim. Install the fascia so the bottom edge of the roof sheathing will rest on the edge of the 1x4. See Detail 'E'. Use a straight edge to align the 1x4 board with the top of the trusses. Nail to each soffit block using (2) two 6d galv. nails each.
- Do not install a fascia board on the front end of building. This is installed later.
- Repeat on opposite side wall.



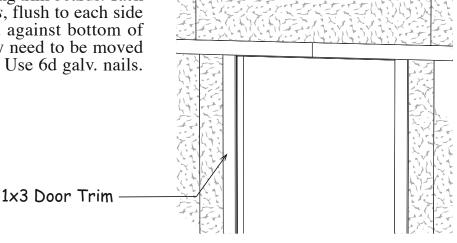
Step 23 Install Roof Sheathing

1. Install roof sheathing per layout below. Starting at rear of building install a 48"x72" OSB roof panel flush with rear gable trim. Plumb each truss and make sure the sheets meet at center of truss. Use 6d common nails spaced 12" apart. The top row of roof sheathing will be about 1" below the ridge to allow for optional ventilation. **Important:** Make sure the front gable is plumb and the roof sheathing extends 7-1/2" past the siding on the face of the gable.

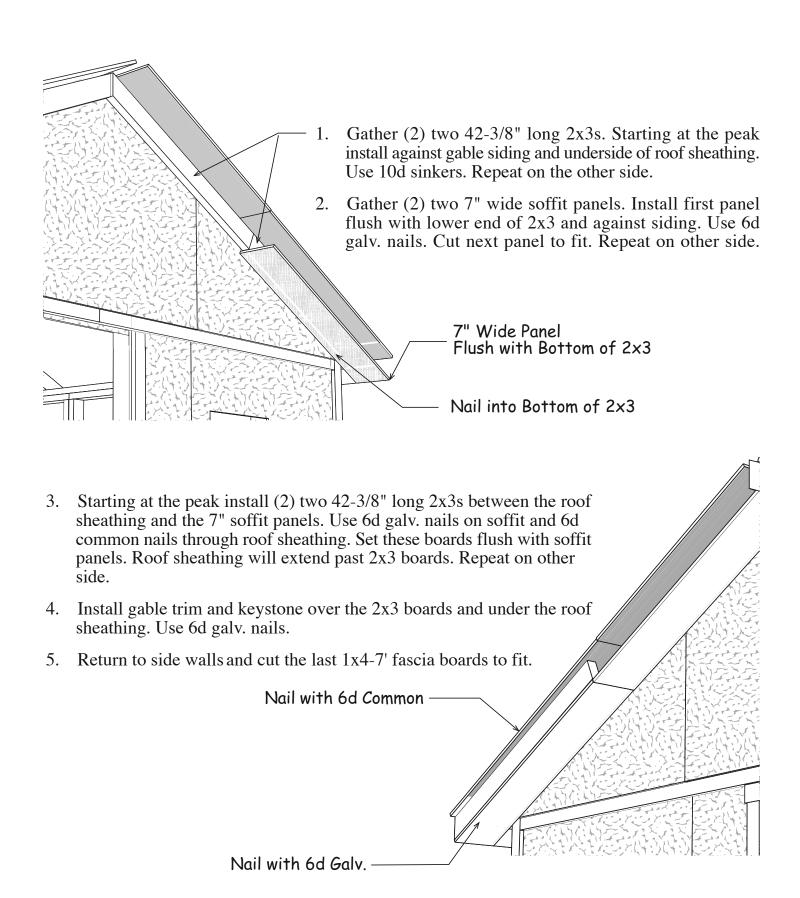


Step 24 Install Single Door Trim

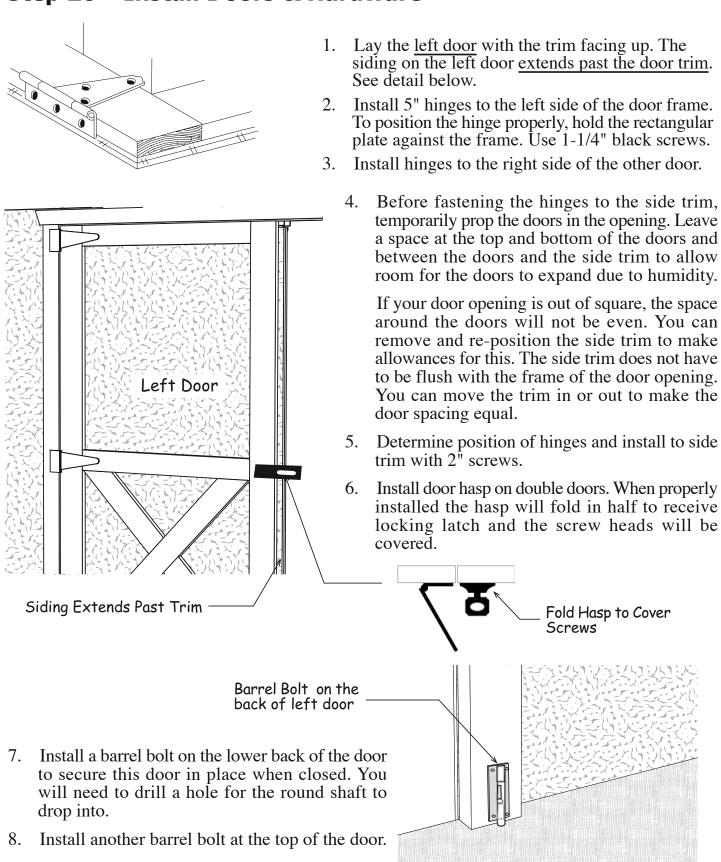
1. Locate (2) two 1x3-72" long trim boards. Tack these, *with a couple nails*, flush to each side of the door opening and against bottom of upper trim. The trim may need to be moved when installing the door. Use 6d galv. nails.



Step 25 Install Front Gable Soffit and Finish Fascia



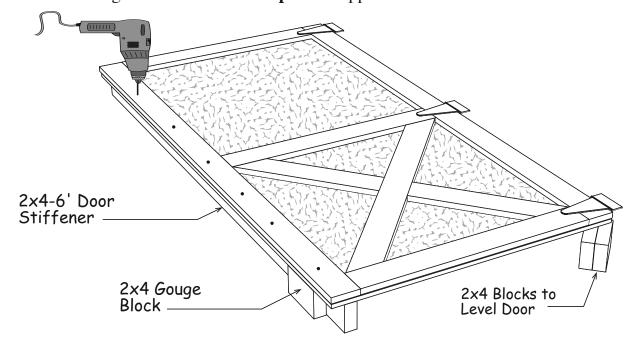
Step 26 Install Doors & Hardware



Step 27 Install Door Stiffener on Single Door

Locate the 28" wide door. This door will be installed in the front door opening. The instructions below describe installing a 2x4 as a door stiffener. Decide which way the door will open and secure the 2x4 on the opposite side where the hinges will be installed.

- 1. Locate a 68-1/2" long 2x4 and position the 28" door with trim facing up. Place the 2x4 on edge under the door. The 2x4 should be 1-1/2" from long edge of trim and 1-1/2" from bottom of trim. Use a 2x4 block as a gauge and another to help level door while installing 2x4.
- 2. Fasten the 2x4 to the door using (6) six 2-1/2" long deck screws. Install the first screw 6" from the bottom of the door. Space the remaining screws 12" apart.
- 3. Install hinges as described in **Step 26** on opposite side of 2x4.

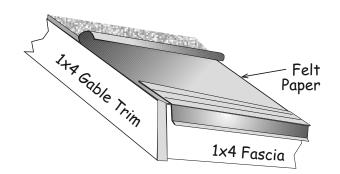




Install the door hinges on the opposite side of the door if you want the door to open in the opposite direction

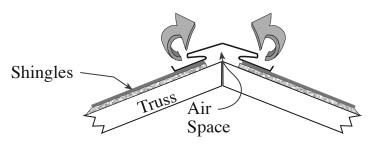
Step 28 Install Roofing — Not Supplied in Kit

1. Install metal roof edging on the perimeter of the roof area. If you are not installing shingles at this time, you can purchase felt paper to protect the roof sheathing. Install the felt paper before you install the metal roof edge.



2. Install shingles according to the instructions on the wrapper. If you need more detailed instructions on installing shingles, there are good publications online.

Building Tip: Install ridge vent in lieu of shingles caps. Ridge vent provides ideal ventilation, preventing heat and moisture from damaging your building or its contents.



Optional ridge vent provides ideal ventilation.

	Packing List for 28" Door Kit						
1	Wall Studs	2x4	72"	3	ea.	5"	Door Hinges
1	Door Stiffener	2x4	68-1/2"	1	ea.	4.5"	Door Latch
2	Door Header	2x4	31-1/2"	14	ea.	1-1/4"	Hinge Screws
2	Door Trim	1x3	72"	14	ea.	2"	Hinge Screws
2	Siding Panels	9-3/4" x 75-3/4"		1	ea.	Pre-built Door 28" x 71-1/2"	
1	Siding Panel	48-3/4"	x 4-1/4"	1	ea.	OSB Fil	ler 3-1/4" x 31-1/2"

		12	'x12' Pacı	king	List			
5	Collar Ties	2x4	82"	3	1 lb.	box	10d	Sinkers
14	Truss Rafters	2x4	80-1/2"	5	1 lb.	box	6d	Galv.
48	Wall Studs	2x4	72"	6	1 lb.	box	6d	Common
4	Wall Plates	2x4	68-1/2"	2	1 lb.	box	Hanger Nails	
2	Wall Plates	2x4	67-1/2"	50	ea.	1-1/2"	Exterior Screws	
2	Wall Plates	2x4	58-1/2"	80	ea.	2-1/2"	Deck Screws	
2	Wall Plates	2x4	34-3/4"	6	ea.	5"	Door I	Hinges
4	Gable Studs	2x4	23-1/2"	1	ea.	4-1/2"	Door I	Latch
8	Boards	2x3	42-3/8"	2	ea.	6"	Barrel	Bolts
10	Truss Gussets	7/16" 8" x 16"		25	ea.	2"	Hinge	Screws
2	Fascia Boards	1x4 84"		25	ea.	1-1/4"	Hinge	Screws
2	Fascia Boards	1x4 72"		6	ea.	1x4	Metal	Plates
10	Siding Panels	48" x 75-3/4"		10	ea.	2x4	Metal	Truss Hanger
2	Siding Panels	16" x 75-3/4"		2	ea.	OSB Gussets 3-1/2" x 32"		/2" x 32"
2	Siding Panels	48" x 4-1/4"		1	ea.	OSB Filler 3-1/2" x 67-1		/2" x 67-1/2"
2	Gable Siding Panels	48" x 40"		4	ea.	Front Soffit 7-1/2" x 48"		/2" x 48"
4	Gable Siding Panels	48" x 2	28"	18	ea.	2x4 Trus	s Jig Blo	ocks 6" to 8"
11	Siding Panels	3/8" x	7" x 48"	2	ea.	1x6 Key	stone	8-1/2"
6	Filler Panels	3/8" x 4	4-1/4" x 48"	4	ea.	1x4 Gab	le Trim	81"
2	Roof Sheathing	48" x 7	72"	4	ea.	1x4 Con	ner Trim	75-3/4"
2	Roof Sheathing	48" x 8	34"	4	ea.	1x3 Con	ner Trim	75-3/4"
2	Roof Sheathing	36-1/2	" x 72"	4	ea.	1x4 Wall	l Trim	72"
2	Roof Sheathing	36-1/2	" x 83-1/2"	3	ea.	1x3 Doo	r Trim	72"
				2	ea.	Pre-built	Door 32	2"x 71-1/2"

Roof Shingles by Owner

Qty.	Optional Shingles				
7 bdl.	Roof Shingles				
6 pcs.	Roof 'drip' Edge 10'				