



Assembly Book

Revised January 22, 2026



Craftsman's Cove

10' x 16'

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
Cordless Drill
Hammer
Pencil

Level
Measuring Tape
6'-8' Ladder(s)

Safety Glasses
Dust Mask
Phillips Screwdriver
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

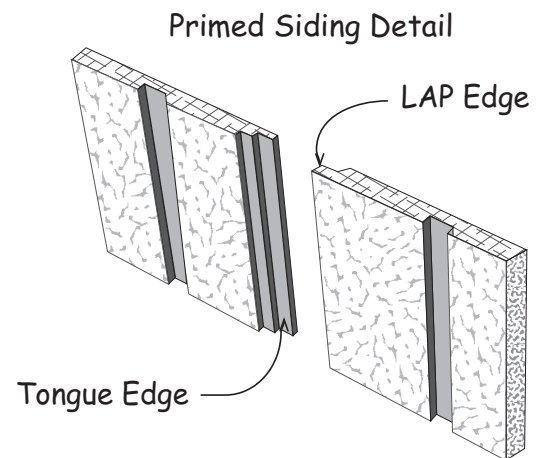
Tie Plate - 2x4s connecting wall sections together

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

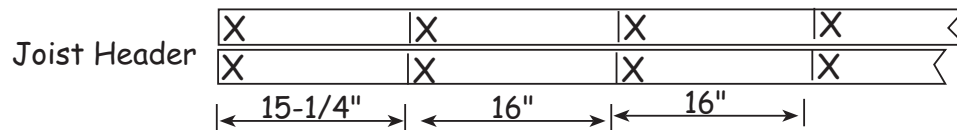
Constructing Details for Deluxe Floor System

Deluxe floors include 4x4 runners, standard floors do not

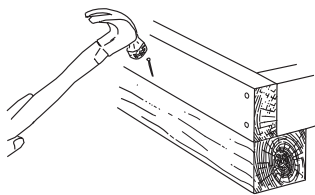
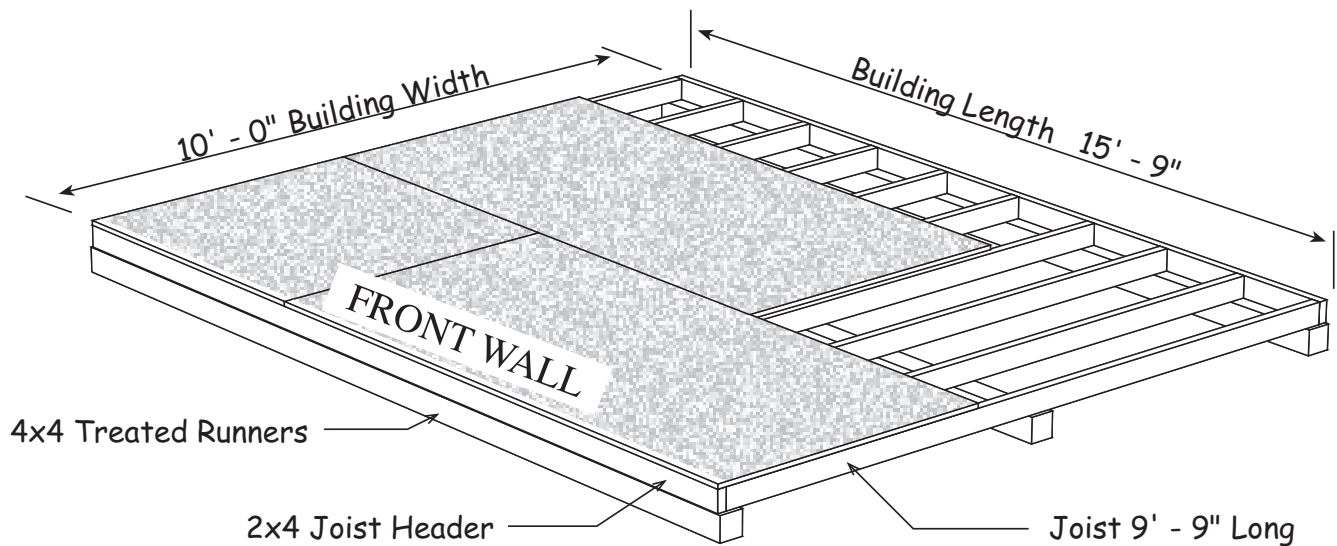
Foundation size is 10'-0" x 15'-9". Check local building codes in your area, the construction may have to change. For a concrete slab, install sill sealer as a moisture barrier between the concrete and the wall plates. Foam sill sealer can be purchased at home centers in rolls 3-1/2" or wider.

1. Cut joist headers to floor length. See Below.

Layout for 16" on center joist spacing. 'X' marks where floor joist will be placed.



2. Cut 2x4-10' floor joist to 9' - 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 10'-0" building width.*



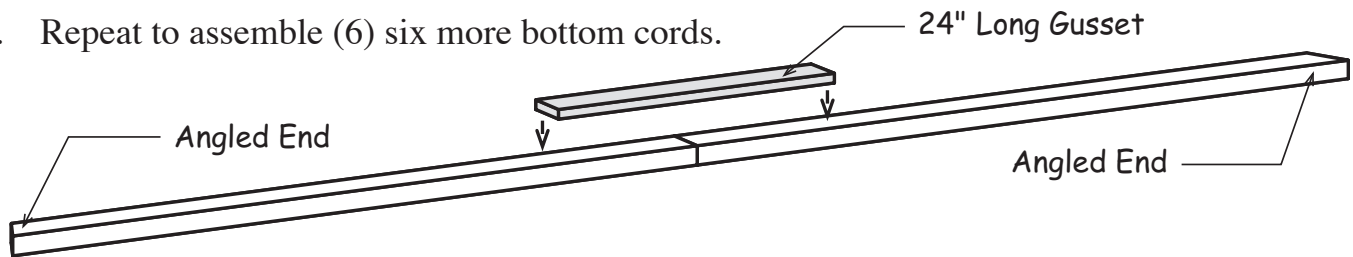
Nail the 2x4s to the 4x4 runners to keep the 2x4 frame from moving.

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.

Material Description	10' x 16' shed
2x4 Joist Headers	2 pcs. 16'
2x4 Floor Joist	13 pcs. 10'
4x4 Treated Runners	6 pcs. 8'
Flooring 5/8" or 3/4"	5 pcs. 4x8
Screw Floor Nails	2 lb. 8d
Galv. Box Nails	1 lb. 16d

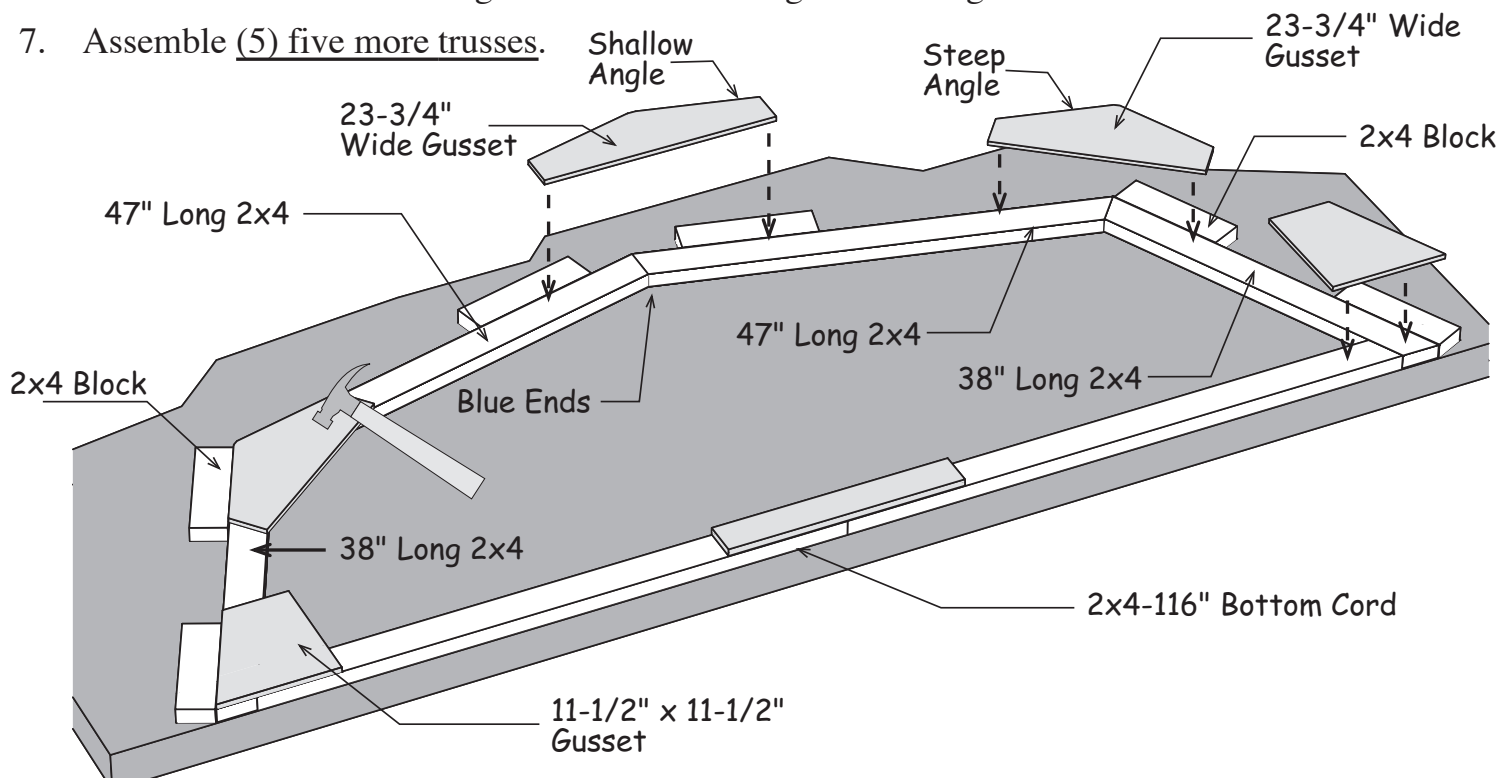
Step 1 Assemble 116" Bottom Cords

1. Locate (2) two 58" long 2x4s with an angle cut on one end. Butt the square ends together and secure together with (1) one 24" long $\frac{3}{4}$ " thick gusset to make a 116" long bottom cord. Use (12) twelve 6d common nails evenly spaced.
2. Repeat to assemble (6) six more bottom cords.



Step 2A Assemble Trusses

1. Locate (2) two 47" long 2x4s marked with a blue end and (2) two 38" long 2x4s with angle cuts on both ends. Position these boards as shown below. Place a bottom cord between boards.
2. Hold truss parts in place by temporarily screwing 2x4 blocks to the floor. There are 8"-10" long 2x4s which may have angle cuts for this purpose. Use 2-1/2" wood screws.
3. Secure the 47" long boards with blue ends together with a 23-3/4" wide OSB gusset with shallow angles. Nail the gusset with (16) sixteen 6d common nails. Space nails evenly.
4. Secure the 47" and 38" long boards together with (2) two 23-3/4" wide gussets with steep angles. Use (16) sixteen 6d common nails. Space nails evenly.
5. Secure the truss bottom legs to the bottom cord with 11-1/2" x 11-1/2" gussets. Use (12) twelve 6d common nails. Space nails evenly.
6. Turn truss over and install gussets and a 24" long $\frac{3}{4}$ " thick gusset.
7. Assemble (5) five more trusses.

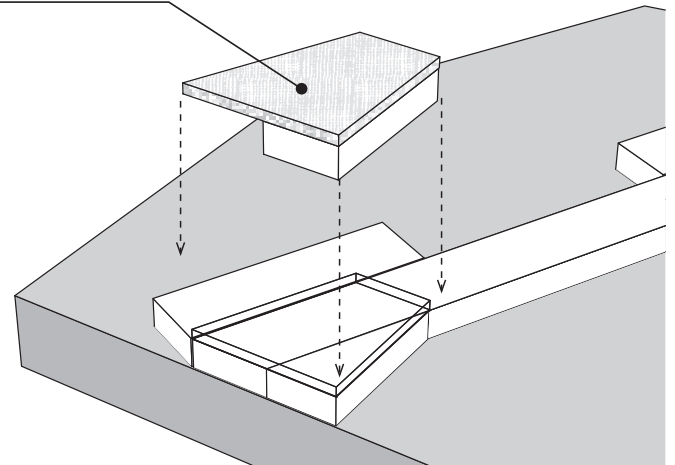


Step 2A Assemble Trusses Continued

OSB Gusset with 2x4 Block

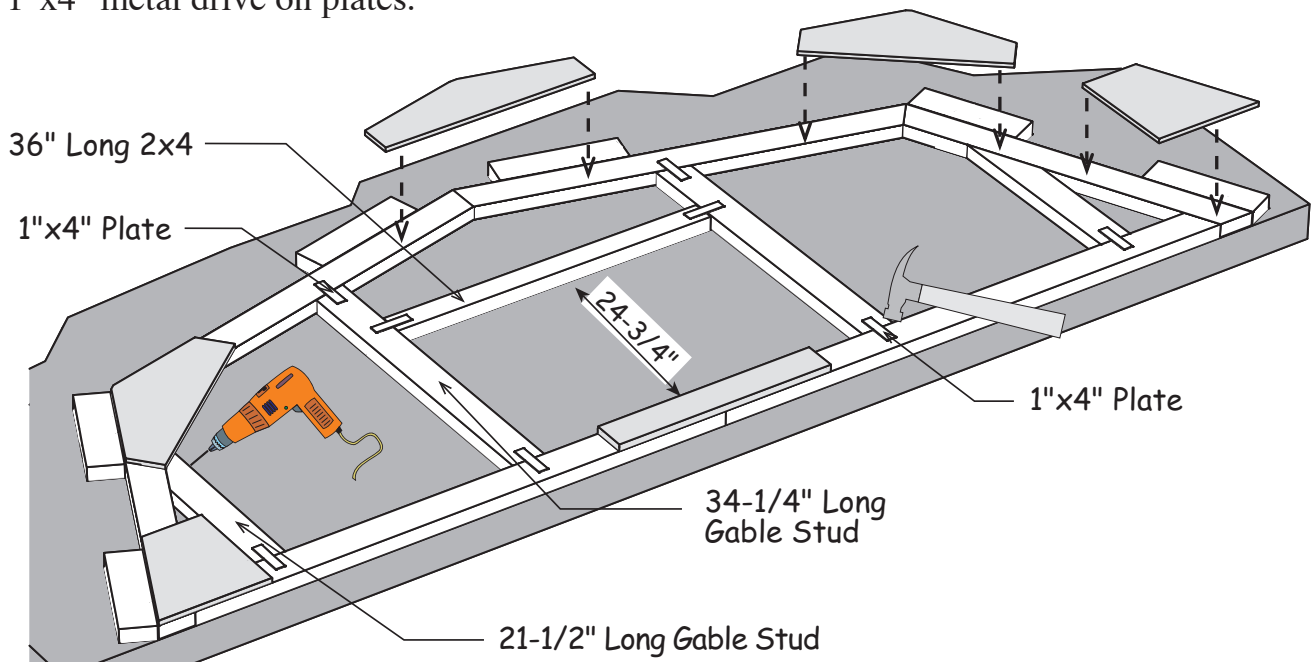
8. Assemble another truss without a bottom cord. Locate OSB gussets with a 2x4 block attached to one side.
9. Attach this block/gusset to the bottom of each truss leg. Secure to leg with 6d common nails.
10. Turn truss over and apply (5) five gussets.

 *Do Not remove 2x4 blocks from floor until gables are completed.*

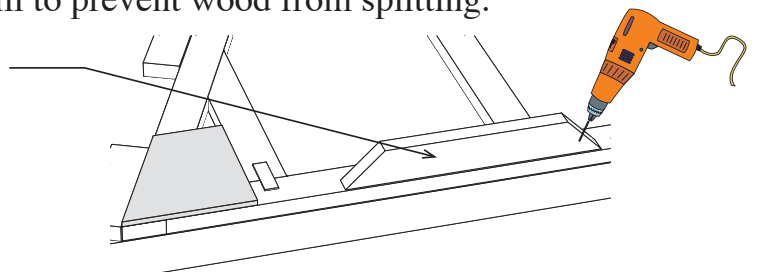


Step 3A Assemble Gable with Loft Doors

1. Assemble another truss with a bottom cord. **ONLY** apply gussets on one side.
2. Locate (2) two 34-1/4" long 2x4s with angle cut on one end and (1) one 36" long 2x4. Position angled boards as shown. Space the boards 36" apart. It may be necessary to trim the length to get correct spacing. Position the 36" board 24-3/4" from bottom cord. Secure boards with 1"x4" metal drive on plates.



3. Locate (2) two 21-1/2" long 2x4s and install at both ends of gable. Secure with a 2-1/2" wood screws and 1"x4" plates as shown. Pre-drill to prevent wood from splitting.
4. Screw (2) two 24" long 2x4 blocks with angle cuts on both ends flush with bottom of the 2x4 bottom cord. Position each block 20" from each end of gable. Use (2) two 2-1/2" screws.

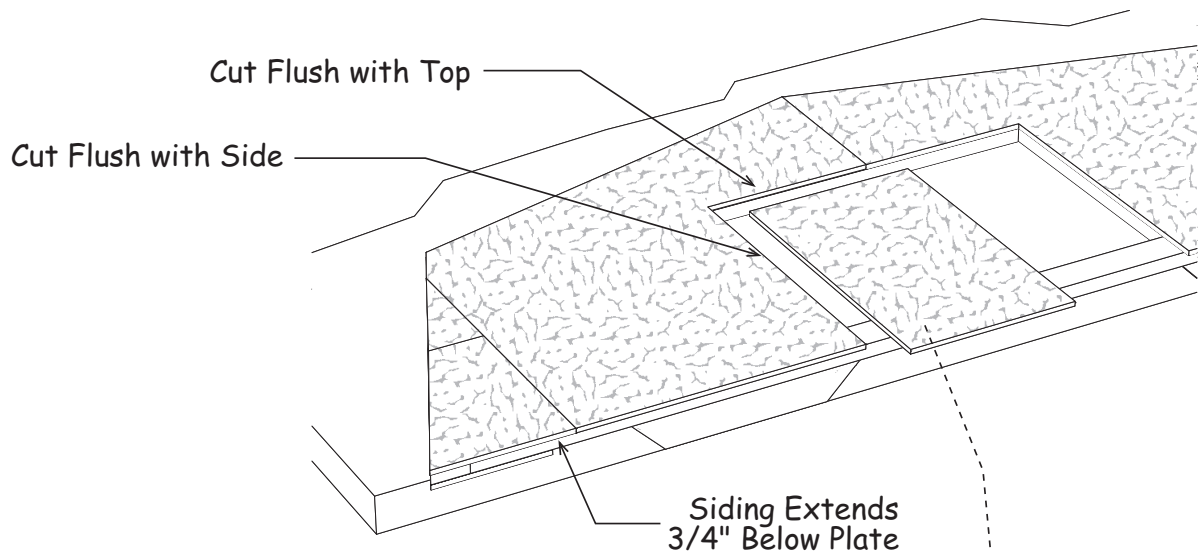


Step 3B Assemble Gable with Loft Doors Continued

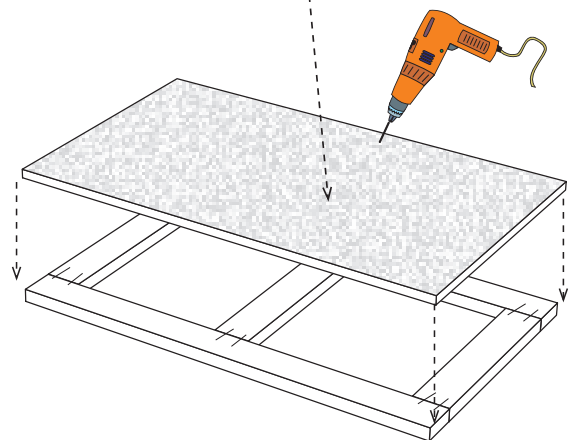
 If you don't need loft access from the outside, attach loft door frames to the gable to create a decorative look and weather tight storage area.

 *Tip: Slide gable over edge of work area so the 24" long 2x4 blocks are past the edge. Place pieces of OSB under framing where nailing to keep studs from being knocked loose when nailing.*

5. Turn the gable over. Locate pre-cut gable siding. Starting from the left install the siding extending 3/4" below the bottom cord. Insure the siding does not extend past the top of the frame. **IMPORTANT: Do not nail to frame until you have cut out siding for the doors.** Mark and cut so siding is flush with top and left side of opening. Nail siding to frame using 6d galv. nails spaced 8" on center. Lay out next siding panel, do not nail, and repeat cut for right side of door opening. Nail remainig siding to frame.



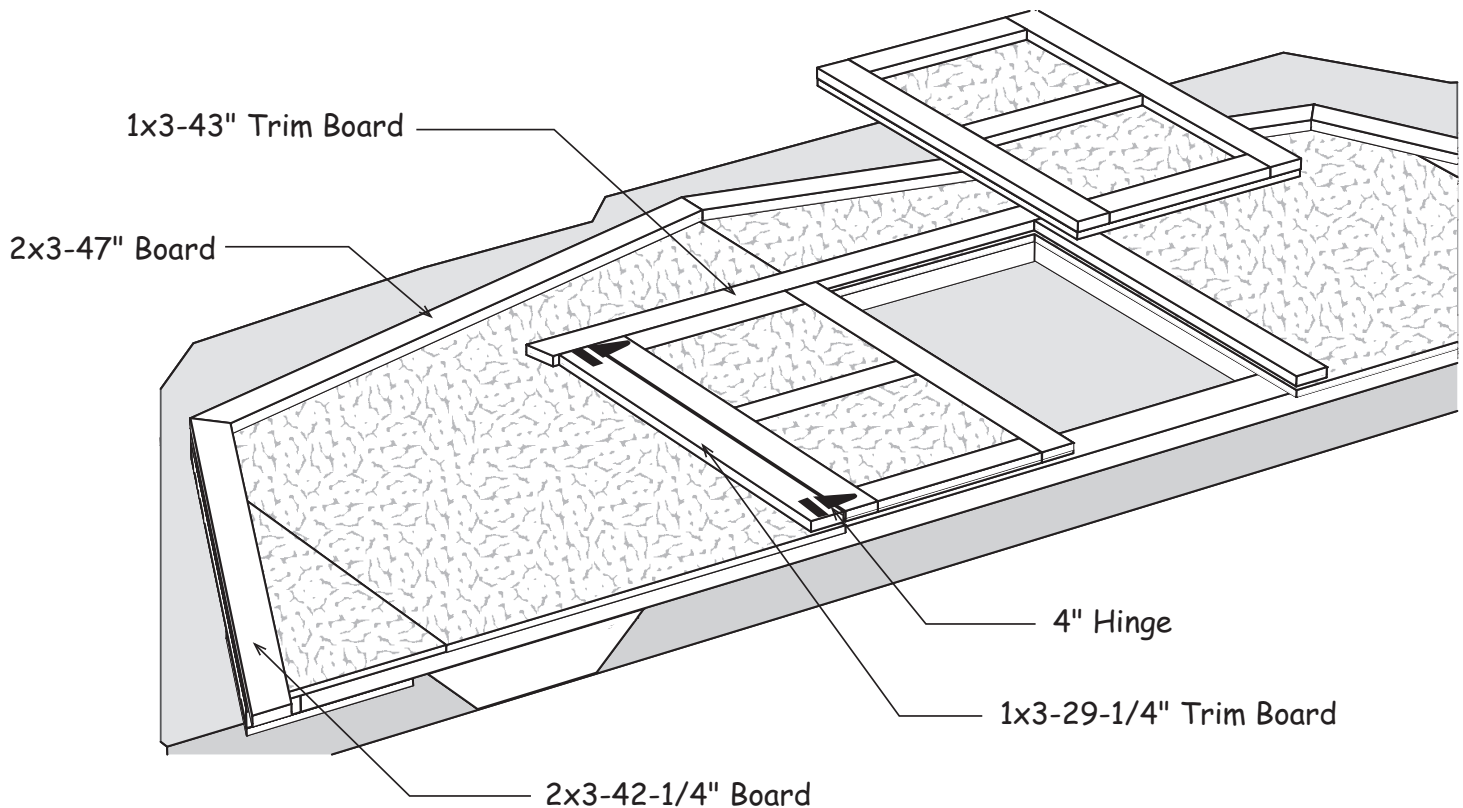
6. Assemble the loft doors. The loft door frames are temporarily held together with corrugated fasteners, this is the back side of the door frame. Place the doors on level surface, face side down. Cut the siding from above step to the size of the door frame. Secure the siding panel to the frame with 1" screws provided.



Step 4 Install 2x3, Trim and Loft Doors

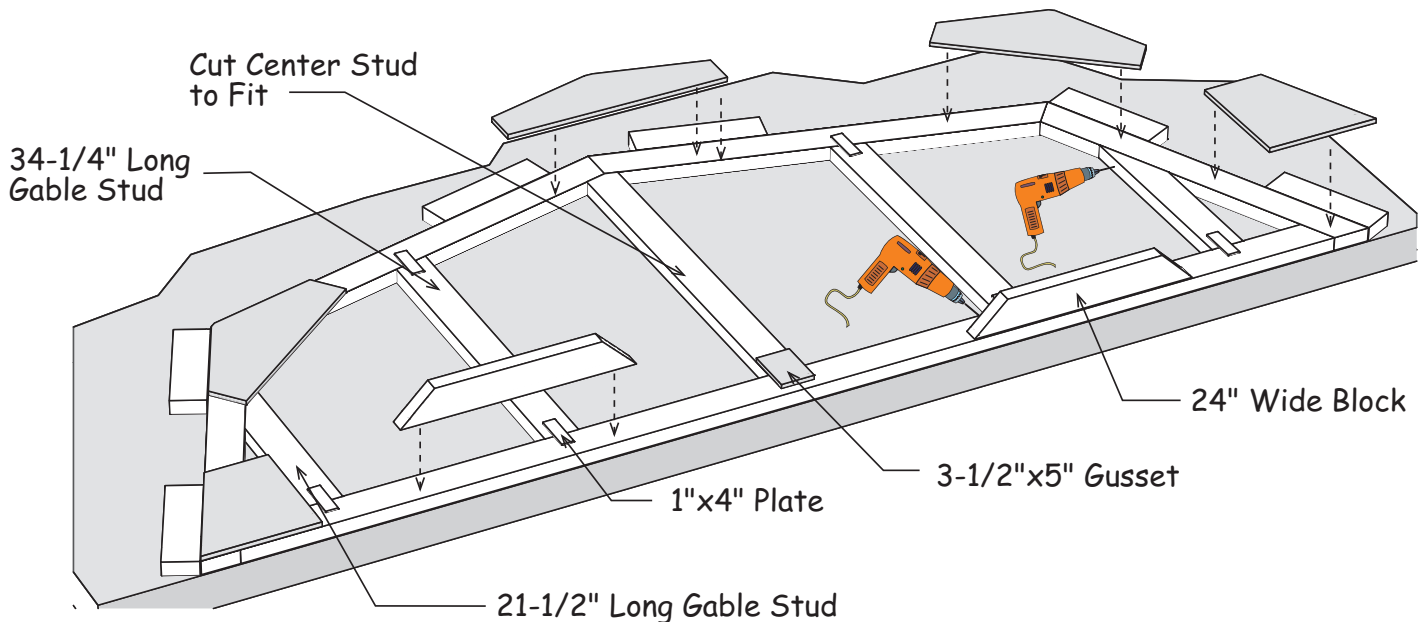
 If loft doors are to be decorative install door trim and frames over siding with 6d galv. nails.

1. Apply 47" long 2x3 boards to the front gable. Install flush with the top of the gable frame. Use 10d sinkers spaced 6" apart.
2. Install a 42-1/4" long 2x3 at the sides of the gable, flush with the frame. Board will extend below siding. Use 10d sinkers.
3. Install 29-1/4" long 1x3 trim boards on each side of the loft door opening. Install a 43" long trim board centered across the top. Use 6d galv. nails spaced 8" apart.
4. Install loft doors using 4" hinges and 1-1/4" long black hinge screws. The screws have a #2 square head. Install barrel bolts to the inside top of the doors to secure doors when closed. When door is closed mark where bolt will hit 2x4 gable frame. You will need to drill a 1/4" hole into the underside of the 2x4.



Step 5 Assemble Gable without Loft Doors

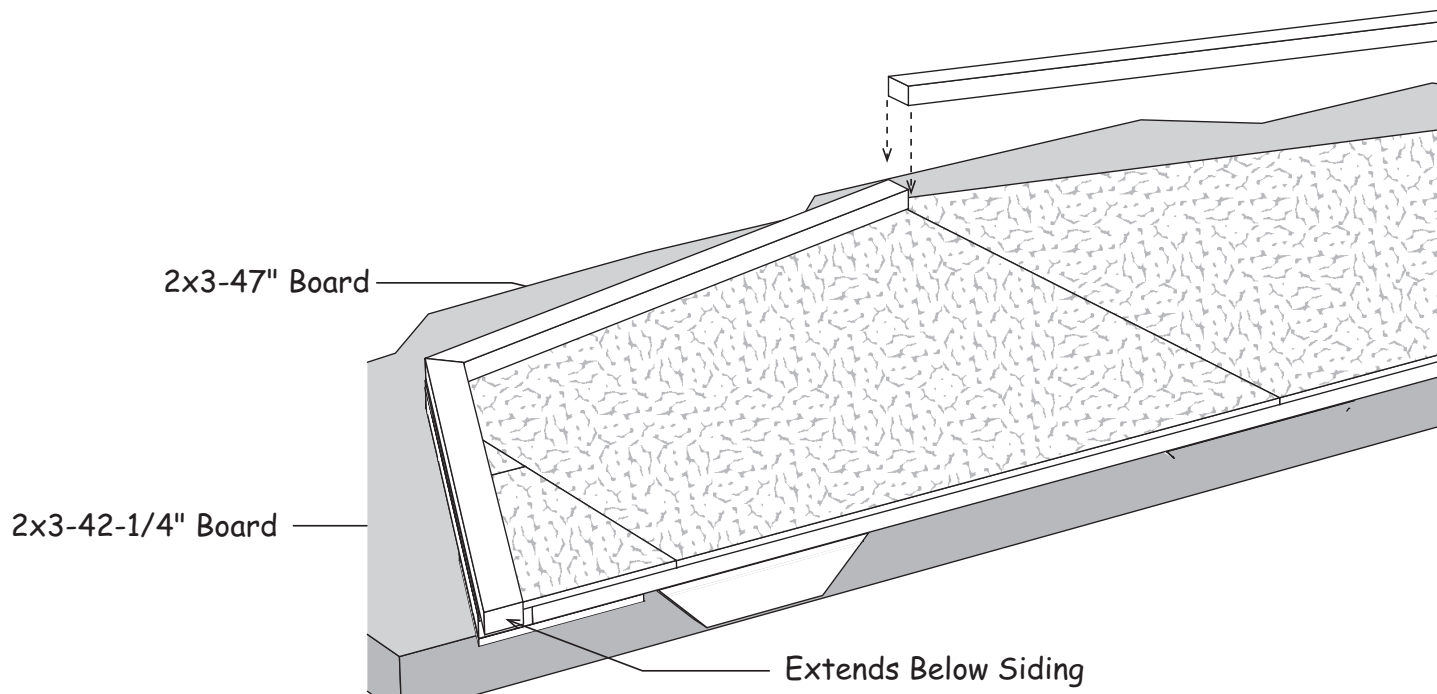
1. Select (2) two 47" long 2x4s, (2) two 38" long 2x4s with angle cuts on both ends, (2) two 58" long 2x4s with angle cuts on one end and all necessary gussets.
2. Place all 2x4s as previously done with trusses.
3. Select a 42" long 2x4 center stud with double angle cuts on one end and cut to fit between ridge and bottom cord. Secure to bottom cord with a 3-1/2"x5" OSB gusset and a 24" wide gusset at top.
4. Install (2) two 34-1/4" long 2x4s with angle cut on one end. Secure to the gable and bottom cord with a 1"x4" metal plate at bottom and top.
5. Install (2) two 21-1/2" long 2x4s with angle cut on one end. Secure to the gable and bottom cord with a 1"x4 metal plate at the bottom and a 2-1/2" screw at the top. Pre-drill to prevent wood from splitting.
6. Install gussets at ends.
7. Install (2) two 24" long 2x4s with angle cuts at both ends with 2-1/2" screws.



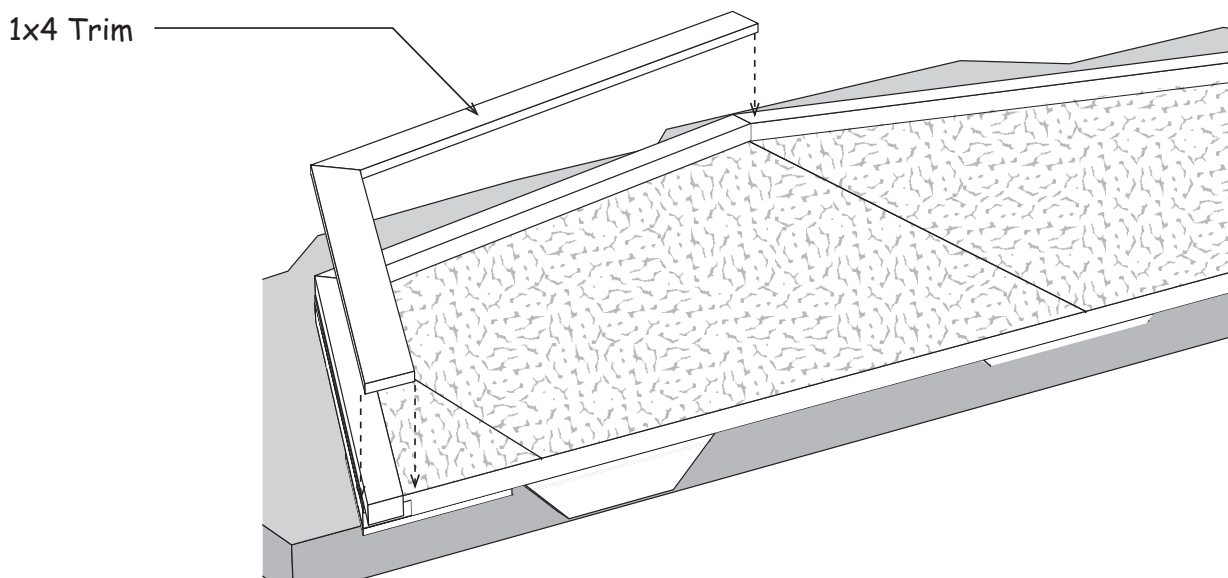
8. Turn gable over and apply pre-cut siding. Starting from left install siding extending 3/4" below bottom cord. Insure siding doesn't extend above the top frame.
9. Remove temporary 2x4 blocks and set all trusses and gables aside.

Step 6 Install Gable Overhang & Trim

1. Apply 47" long 2x3 boards to the gable. Install boards flush with the top of the gable frame. Use 10d sinkers.
2. Install a 42-1/4" long 2x3 at the sides of the gable, flush with the frame. Board will extend below siding.

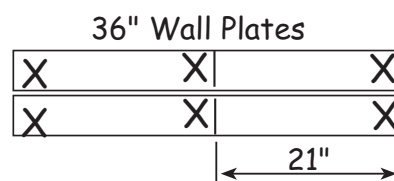
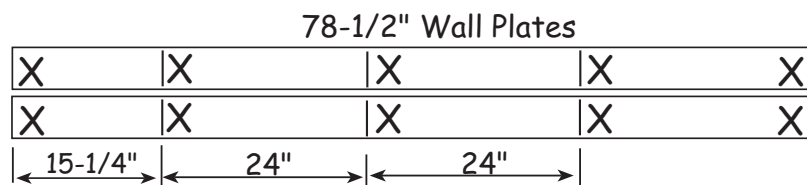


3. Apply 1x4 trim to gable. Install a 47" long 1x4 at the top of the gable. Install the 1x4 gable trim extending 1/2" above the siding on the gable. When installed later, the roof sheathing will be flush with the top of the trim. Use 6d galv. nails spaced 8" apart.
4. Install a 42-1/4" long 1x4 at the sides of the gable.

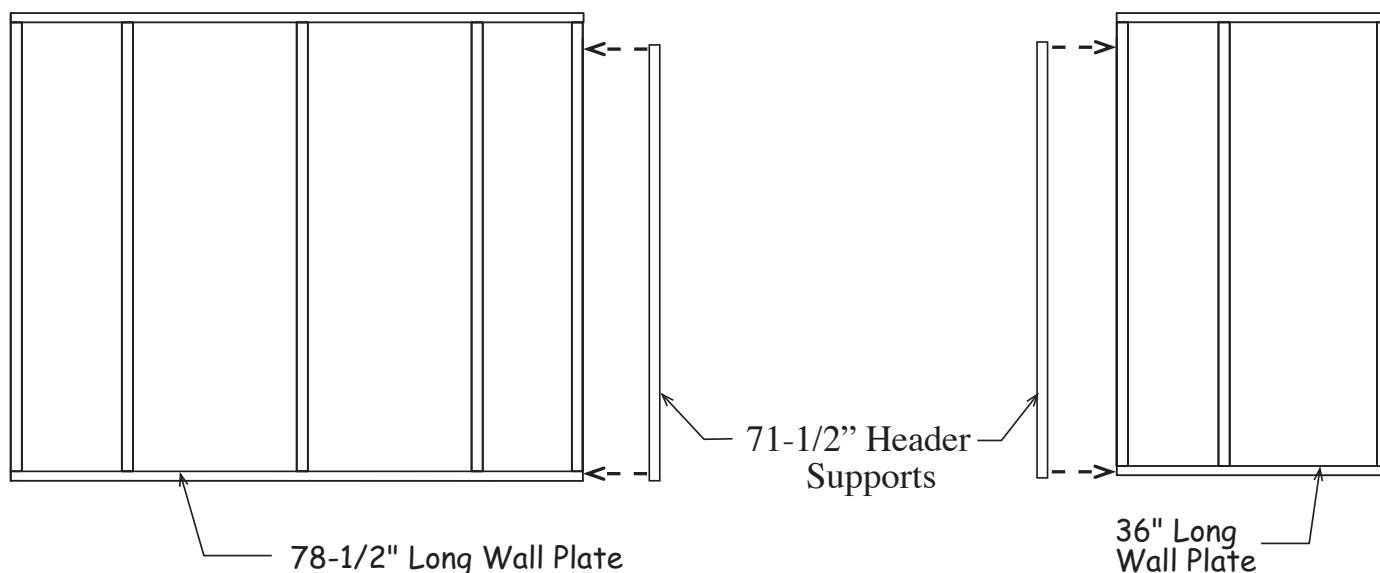


Step 7A Assemble Front Walls Frames

1. Locate (2) two 65-1/2" long 2x4s. Cut each to a length of 36". Position boards together. Measure and indicate with 'X' marks, where the wall studs will be located.
2. Position (2) two 78-1/2" long 2x4 boards together. Measure and indicate with 'X' marks where the wall studs will be located.



3. Cut (2) two 72" 2x4s to a length of 71-1/2" used for header supports.
4. Install over 'X' marks (5) five 72" long 2x4s between the 78-1/2" wall plate and (3) three 72" long 2x4s between the 36" wall plates. Use (2) two 10d sinkers at each end of studs.



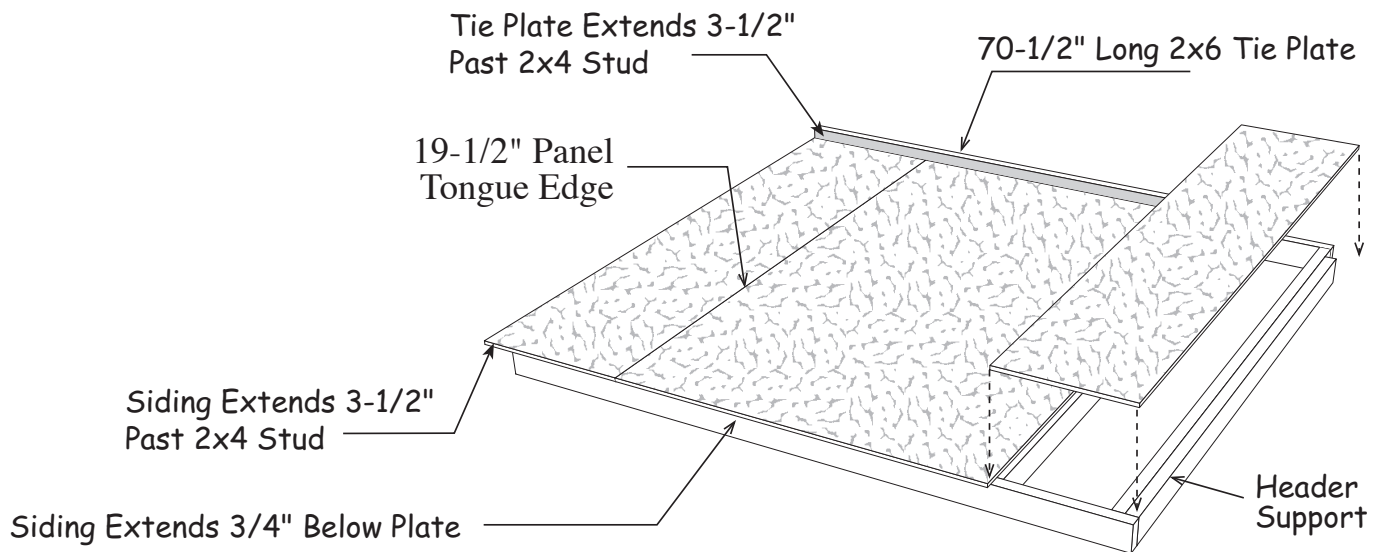
5. Install the 71-1/2" long 2x4s as header supports as shown above flush with bottom of bottom plate. Use (6) six 10d sinkers to nail header support to stud.



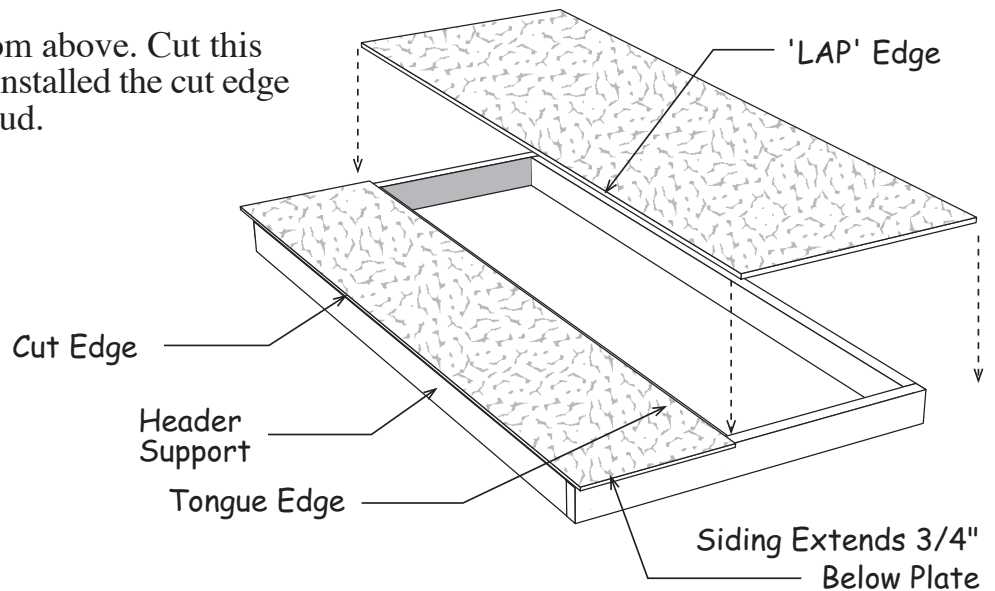
To offset the doors to the left end of the wall, turn frames over before applying the siding.

Step 7B Assemble Front Walls Continued

6. Install a 70-1/2" long 2x6 as a tie plate across the top of the 78-1/2" wall frame. Install the 2x6 extending 3-1/2" beyond wall frame. Use 10d sinkers spaced 6" apart.
7. Locate (2) two 16" wide x 77-1/4" long siding panels. Cut these panels to a length of 75-3/4".
8. Measuring from the 'tongue' edge, cut a full width x 75-3/4" panel to a width of 19-1/2" . Save cut off to be used later. Install panel so the cut edge extends 3-1/2" beyond the end of the 78-1/2" long wall frame. Siding will be flush with the top of the 2x4 plate and under 2x6 and extend 3/4" below the bottom plate. Use 6d galv. nails spaced 8" on center.
9. Install a full width x 75-3/4" siding panel with 'LAP' edge over first panel.
10. Install a 16" panel, with a 'LAP' edge. Cut edge should be flush with header support.

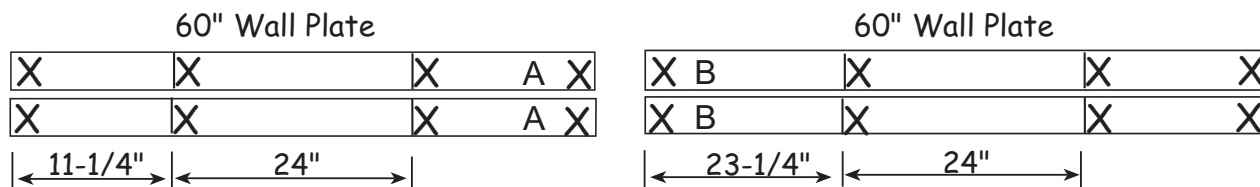


11. Locate a 16" panel, with a 'tongue' edge and install this panel with the cut edge flush with the 2x4 header support. Install siding flush with the top of the 2x4 top plate.
12. Select the cut off panel from above. Cut this panel so when the panel is installed the cut edge extends 3-1/2" past wall stud.

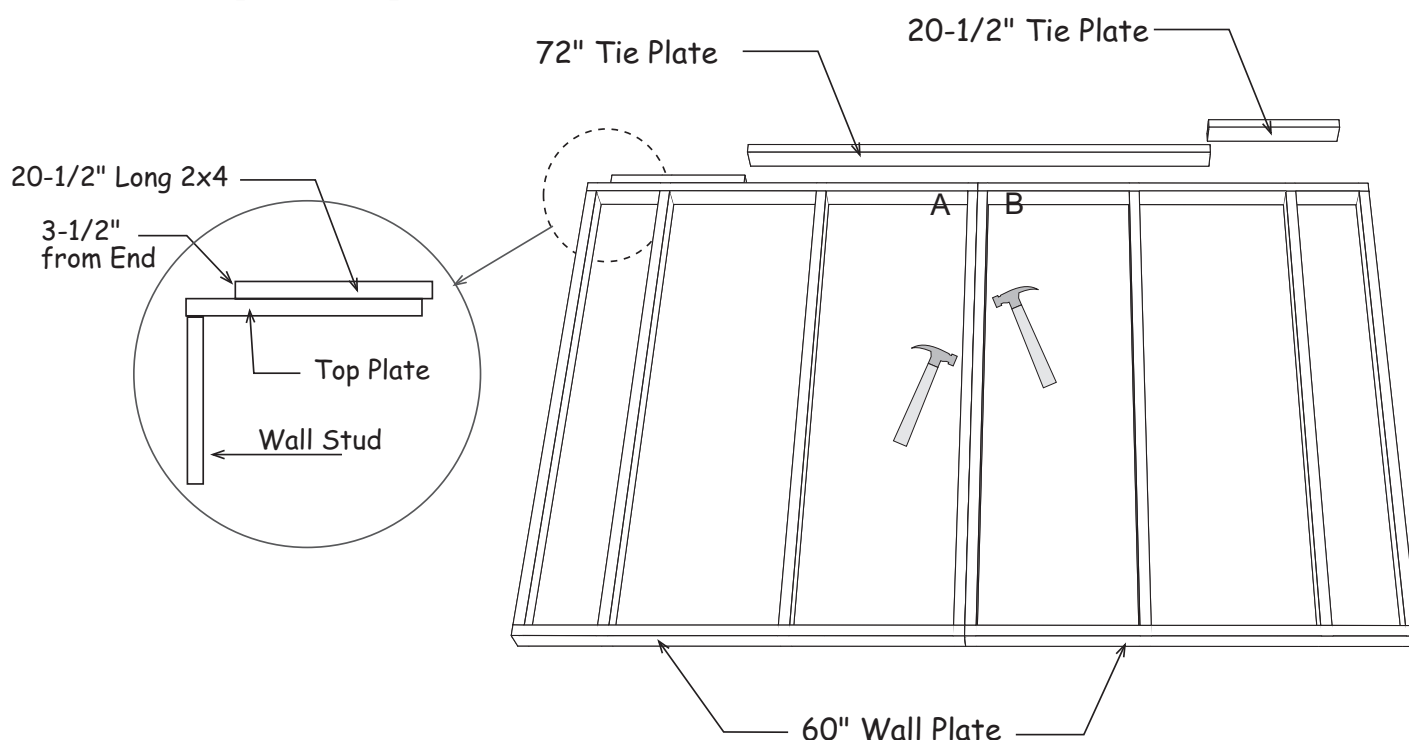


Step 8 Assemble End Wall Frames

- Position (4) four 60" boards together and indicate with 'X' marks, where the wall studs will be located. Mark the ends that will butt together with the letters 'A' and 'B'.



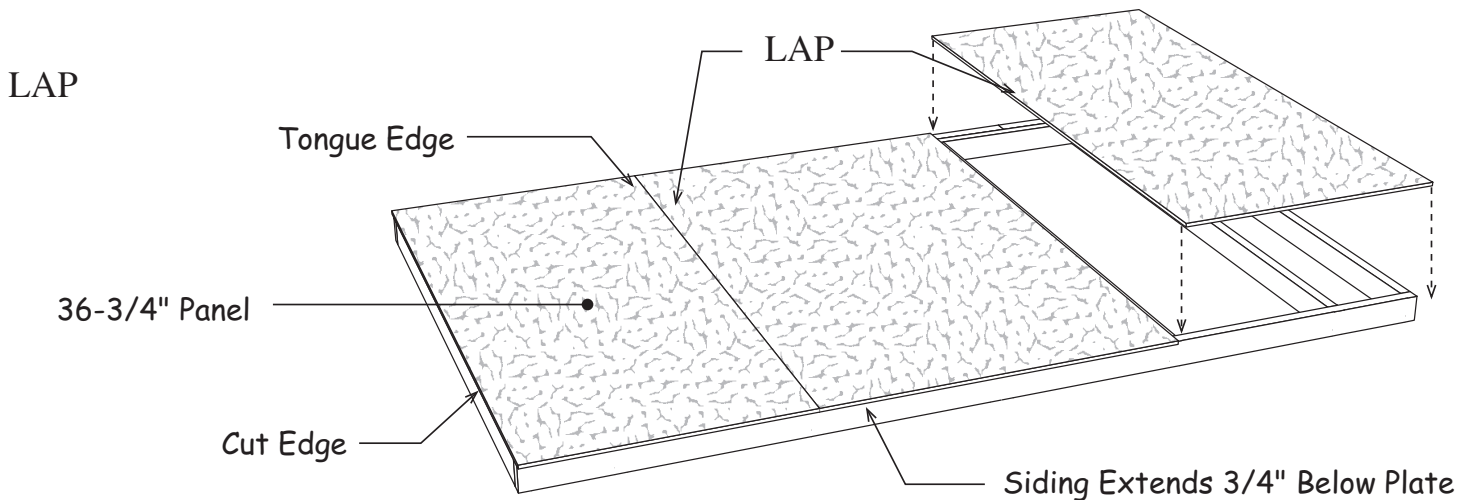
- Install 72" wall studs between the top and bottom plates. Assemble wall frames with 10d sinkers. Use (2) two nails at end of each wall stud.
- Nail both wall frames together with (4) four 10d sinkers on each side.
- Select (2) two 20-1/2" and (1) one 72" long 2x4s. Install a 20-1/2" long 2x4 on top of frame 3-1/2" from left side. Install the 72" long 2x4 next. Finish with the last 20-1/2" long 2x4. Use 10d sinkers spaced 6" apart.



- Repeat to build another wall frame.

Step 9 Apply Siding to End Wall

1. Locate a 36-3/4" x 77-1/4" siding panel with the 'tongue' edge. Install the siding panel on the left corner, with the cut edge flush with the end of the wall and flush with the top of the 2x4 tie plate. The siding should extend 3/4" below the bottom plate.
2. Install a 48-3/4" x 77-1/4" siding panel in the center of the wall frame.
3. Install a 36" x 77-1-4" panel with the 'LAP' edge last.

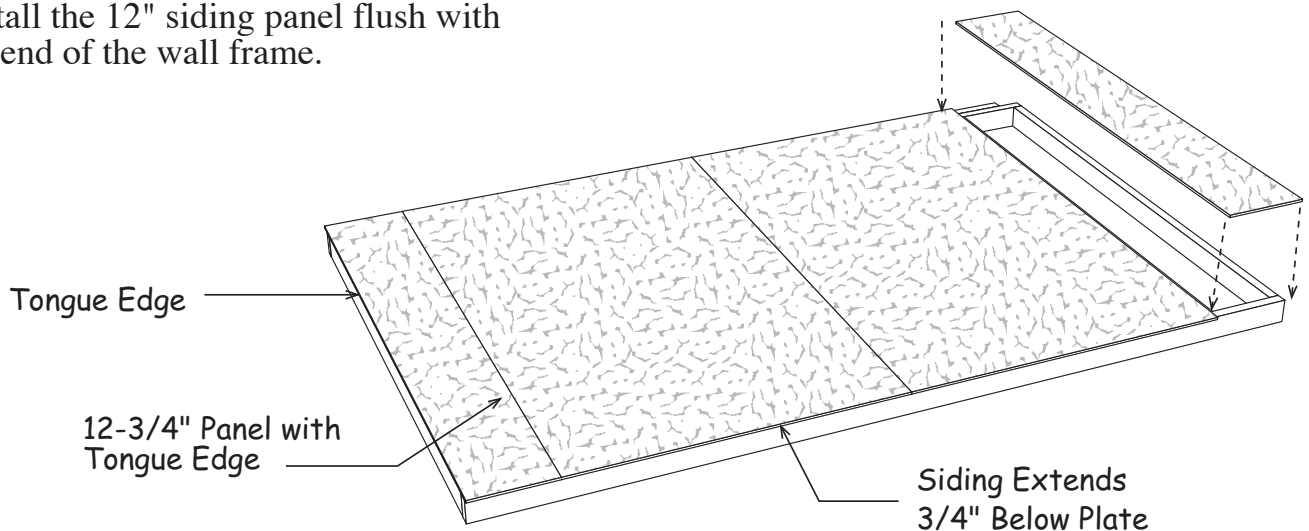


Step 10 Apply Siding to Other End Wall



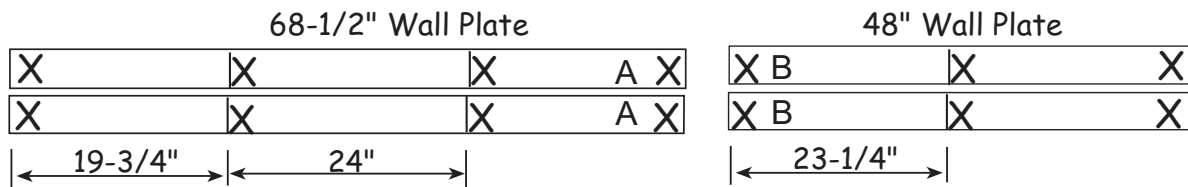
This wall frame is not sided the same as the other wall frame above.

1. Locate the 12-3/4" panel, with the 'tongue' edge. Install this siding panel with the cut edge flush with the end of the wall frame. Install siding flush with the top of the 2x4 wall plate.
2. Install (2) two full width siding panels in the center of the wall frame.
3. Install the 12" siding panel flush with the end of the wall frame.

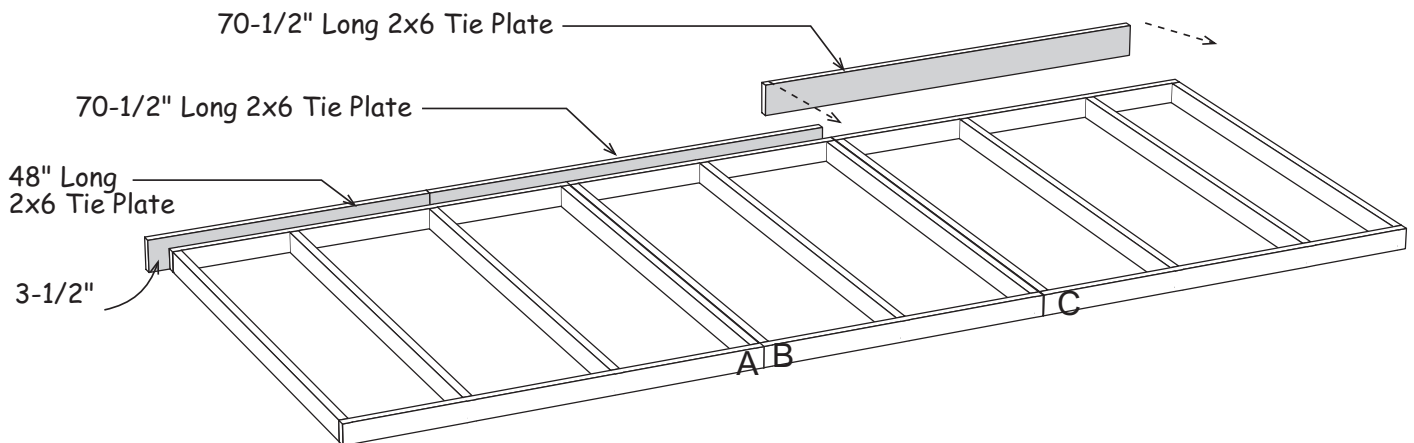


Step 11 Assemble Back Wall

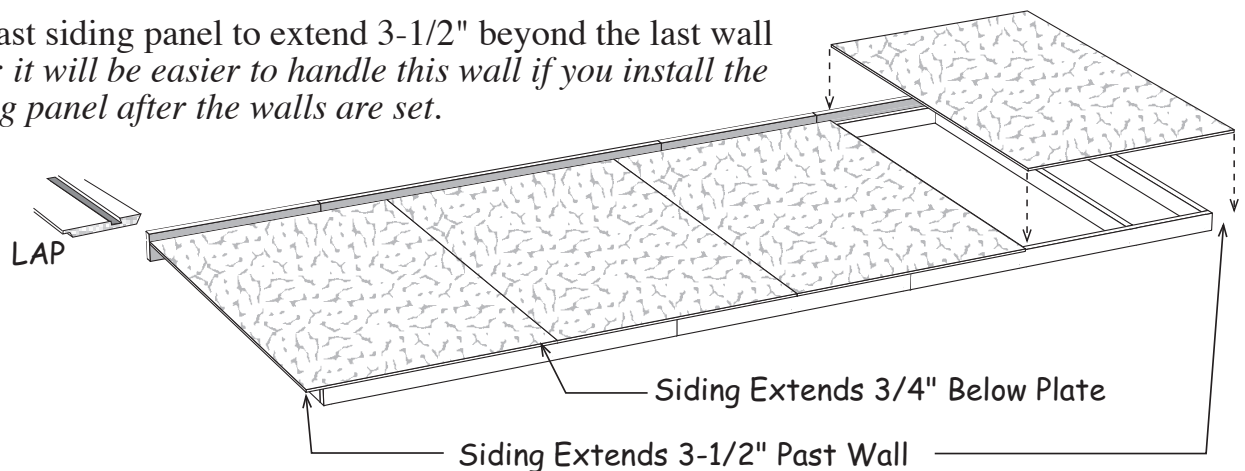
1. Position 68-1/2", 48", and 65-1/2" long 2x4 boards together and mark where the wall studs will be located. Mark the ends that will butt together with the letters 'A', 'B' and 'C'.



2. Install 72" wall studs between the top and bottom plates. Assemble frames and nail together with 10d sinkers.
3. Install a 48" and (2) two 70-1/2" long 2x6 boards as tie plates over the top plate. The 2x6s will extend 3-1/2" beyond the ends of the wall frame.



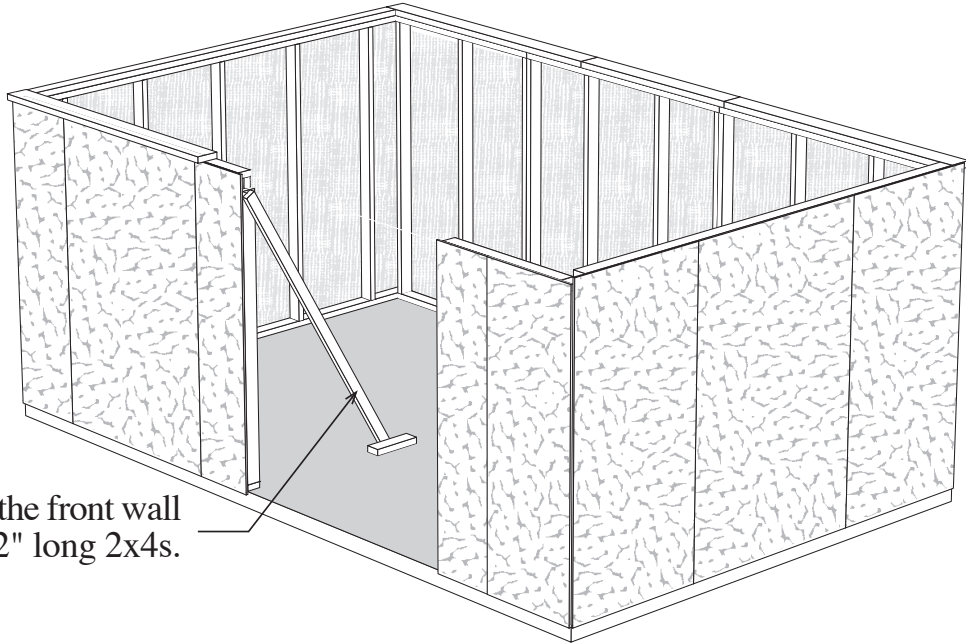
4. Square wall frame. Locate (4) four 75-3/4" long siding panels. Install the first siding panel with the 'LAP' edge extending 3-1/2" beyond the wall frame.
5. Install (2) two full width siding panels in the center.
6. Cut the last siding panel to extend 3-1/2" beyond the last wall stud. *Tip; it will be easier to handle this wall if you install the last siding panel after the walls are set.*



Step 12 Set Lower Walls & Install Header

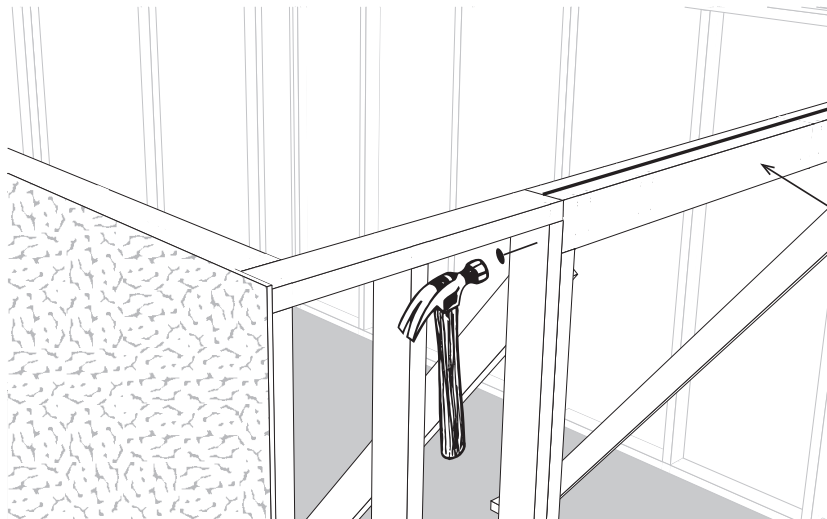
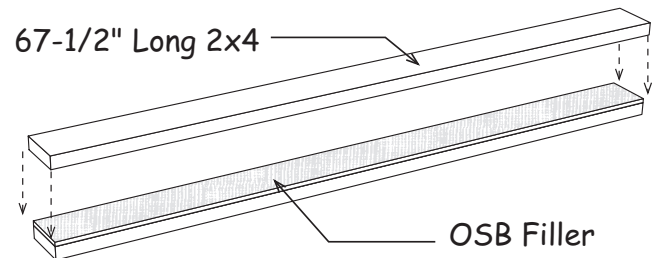
 Front and back walls set inside end walls.

1. Erect wall panels. **IMPORTANT: Make sure walls are plum and square.** Secure wall panels together at the corners. Use (4) four 10d sinkers per corner. Use 10d sinkers or, if erecting on a concrete slab, concrete anchor bolts (not included) spaced 24" apart.



2. Temporarily brace the front wall with (2) two 68-1/2" long 2x4s.

3. Gather (2) two 67-1/2" long 2x4 boards and a 3-1/4" x 67-1/4" OSB filler panel. Nail header together from both sides with 10d sinkers staggered 6" apart.



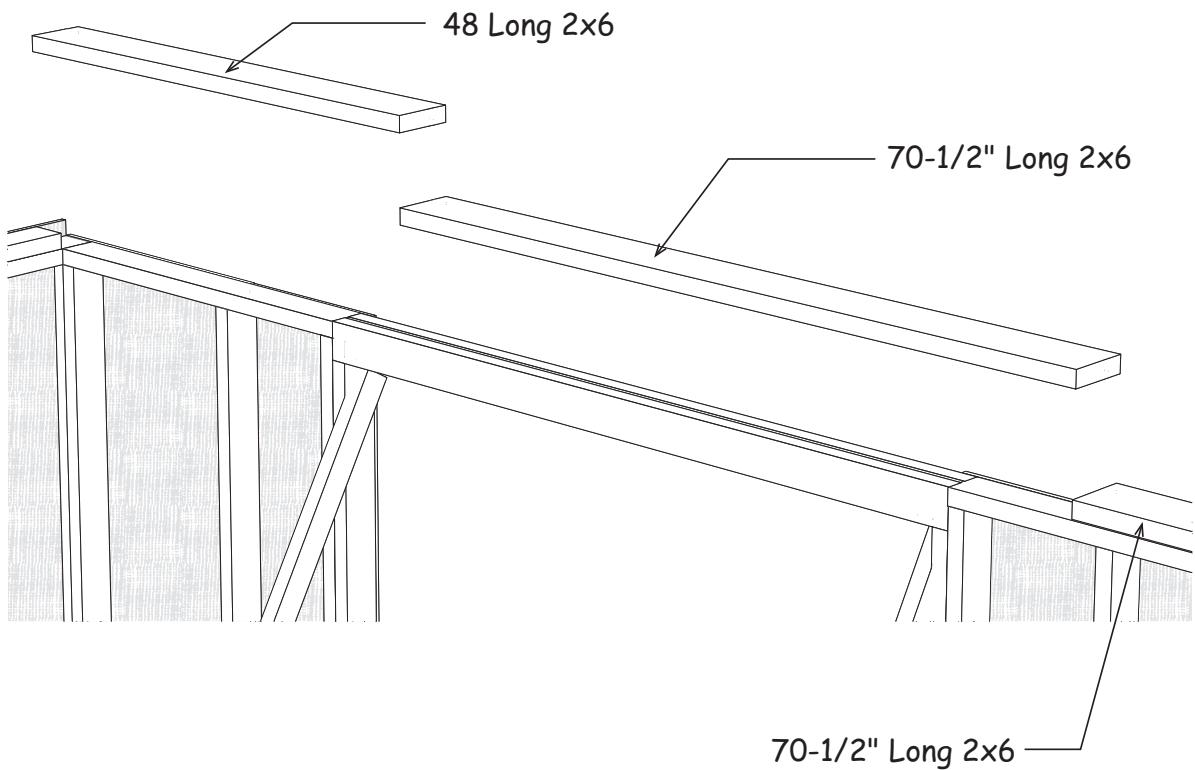
4. Install the 67-1/2" door header between the front wall frames on top of header supports. Secure with 10d sinkers through wall studs.



Shown without siding for clarity

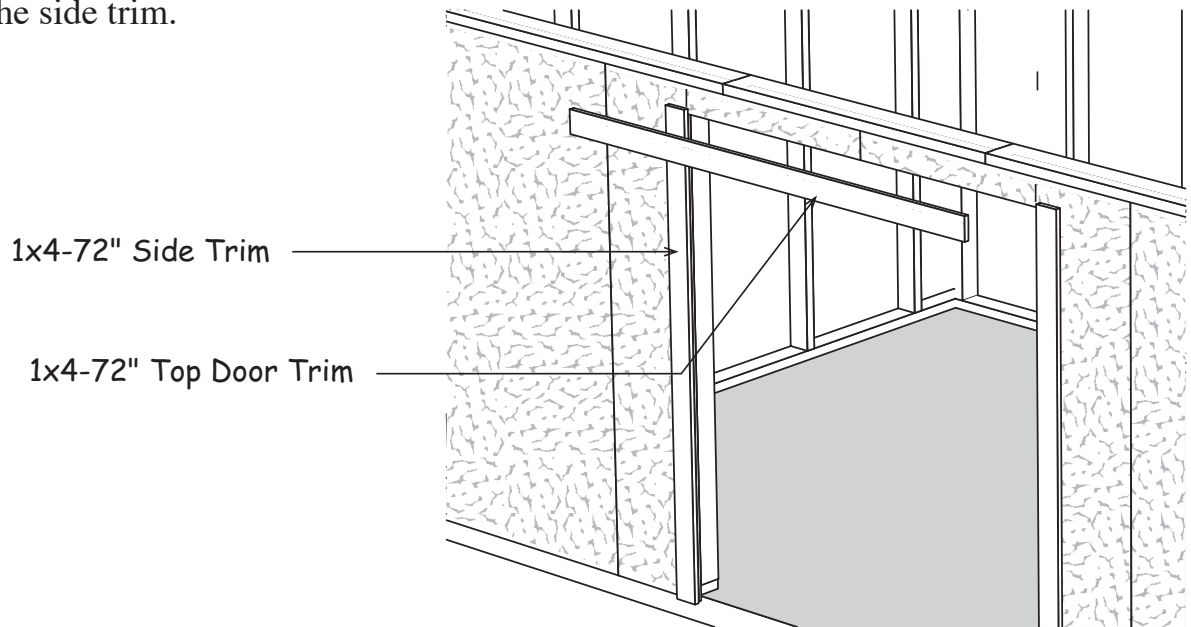
Step 13 Install Front Wall Tie Plates

1. Select (2) two 70-1/2" long and (1) one 48" long 2x6 boards. Install (1) one 70-1/2" long board over 78-1/2" wall panel. Use 10d sinkers.
2. Next install the last 70-1/2" long board and finish with the 48" long board.

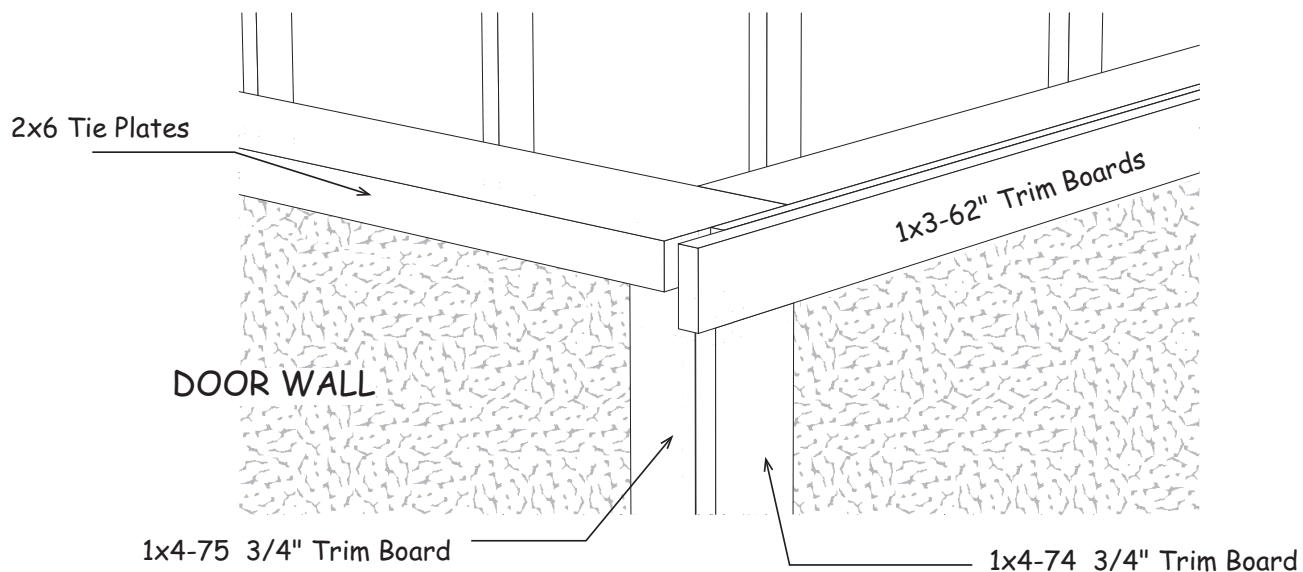


Step 14 Install Trim

1. Locate (2) two siding panels that are 32" wide x 6" in height. Cut these panels to a height of 4-1/2". Install these siding panels over the door header. Siding will extend below header.
2. Install (2) two 1x4-72" boards along each side of the door opening, flush with the bottom edge of the siding. Tack these boards with a couple nails; you may want to move the trim later when you install the doors. Use 6d galv. nails.
3. Install a 1x3-72" board across the top of the side trim.



4. Install (2) two 1x3-62" long trim boards flush with the top of the front wall. Use 6d galv. nails.
5. Install 1x4-75 3/4" trim boards at the corners of the front and back. Install the trim flush with siding on the end wall.
6. Install 1x4x74-3/4" trim boards at the corners of the front wall.

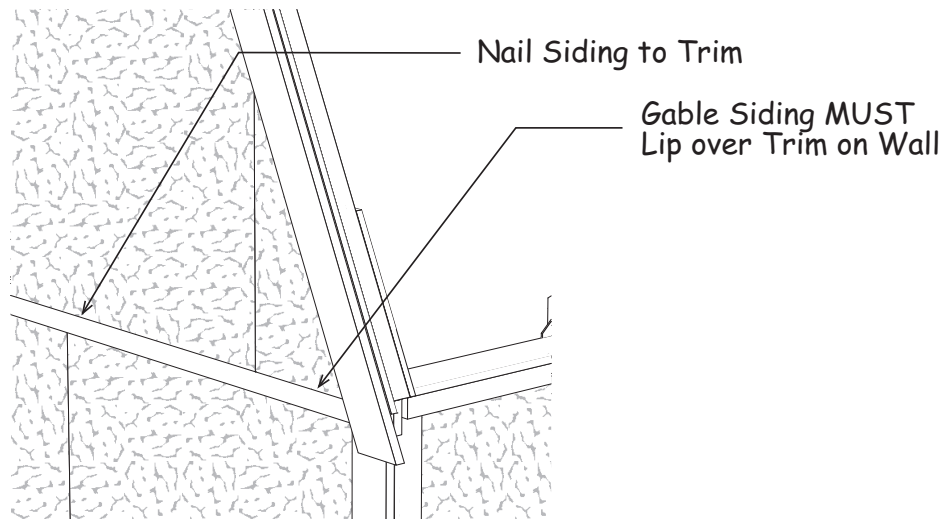


Step 15 Set Gables

👉 *Decide which end you want to install gable without loft doors*

👉 **IMPORTANT: Do Not** set gables until all the siding and trim are installed on walls.

1. Install the gable without loft doors on an end wall. The gable siding will extend over the 1x3 trim on the lower wall. **NOT behind the trim!** Secure gable to wall by nailing through the gable blocks with (6) six 10d sinkers each. Nail siding along the 1x3 trim board with 6d galv. nails.

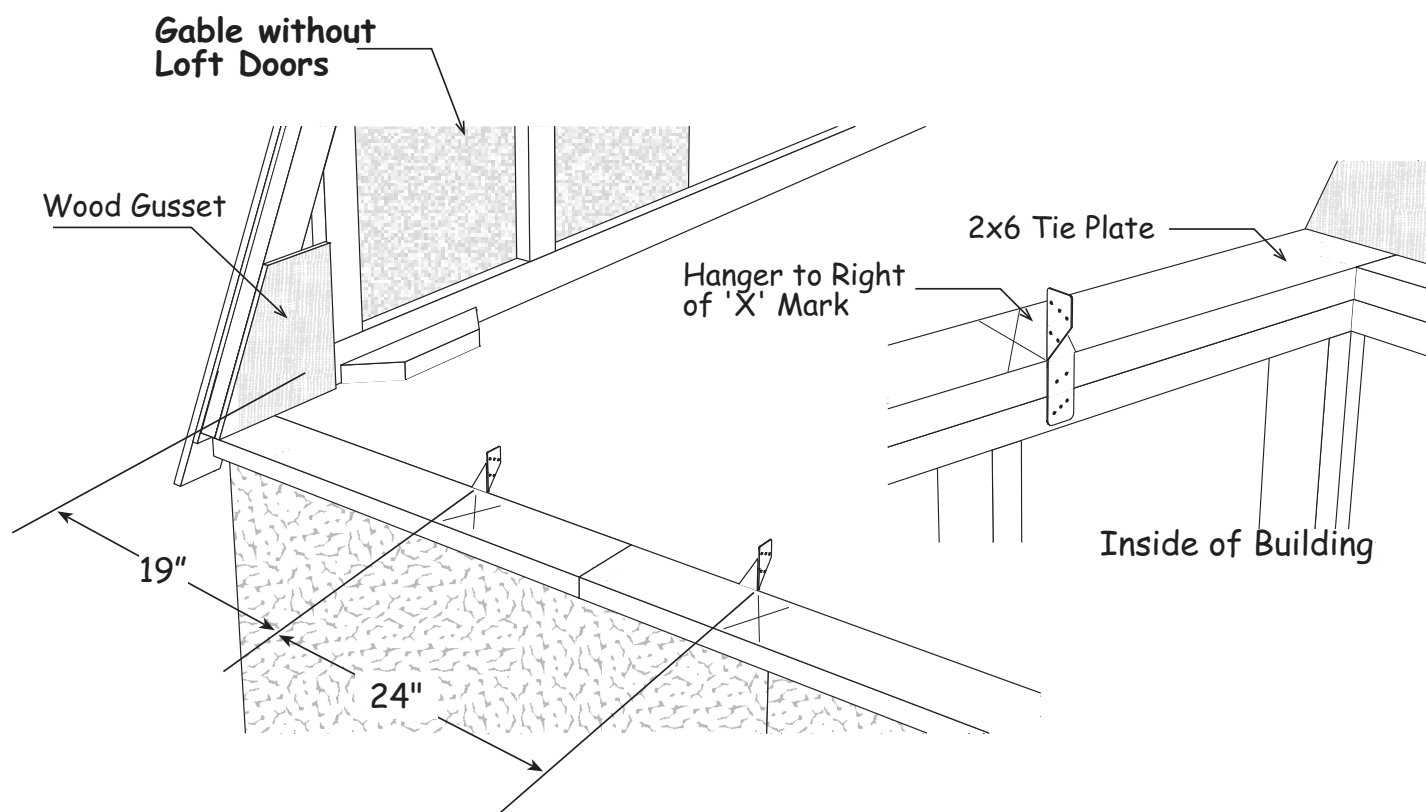
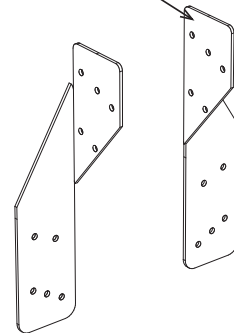


2. Install gable with loft doors.

Step 16 Layout for Truss Spacing

1. Layout the truss spacing starting from gable without loft doors. Measure from the inside face of the wood gusset when marking the location of the first truss.
2. Locate the truss hangers, there are left and right hangers. Select the right hangers.
3. Using 1-1/2" hanger nails, from the inside of building install the right hangers to the 2x6 tie plate. The top hanger flange should line up on the right side of the 'X' mark.

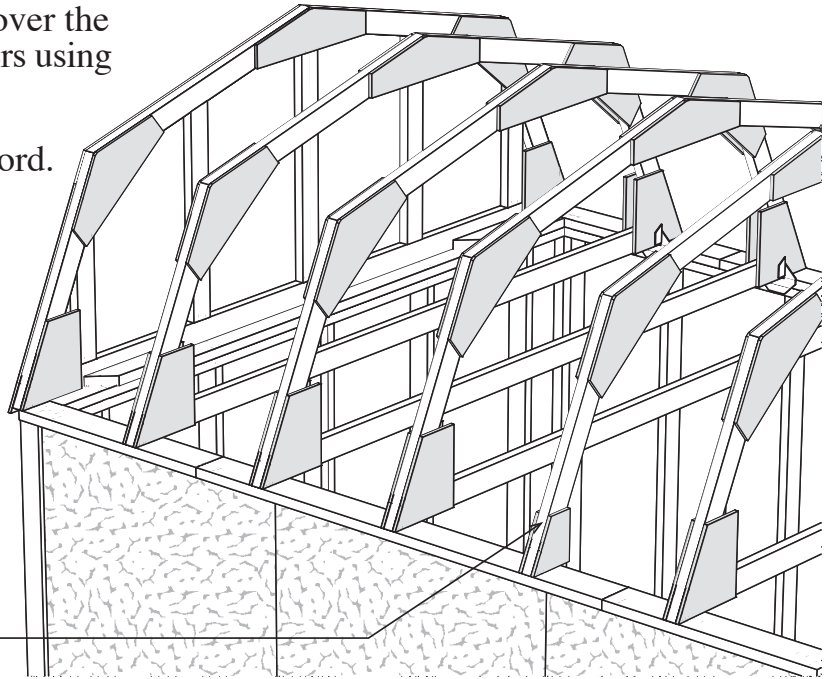
Long Side Nailed
to Wall Plates



Important: When marking the opposite wall, use the left hangers and place the 'X' mark on the same side of the line so your trusses are parallel when they are installed.

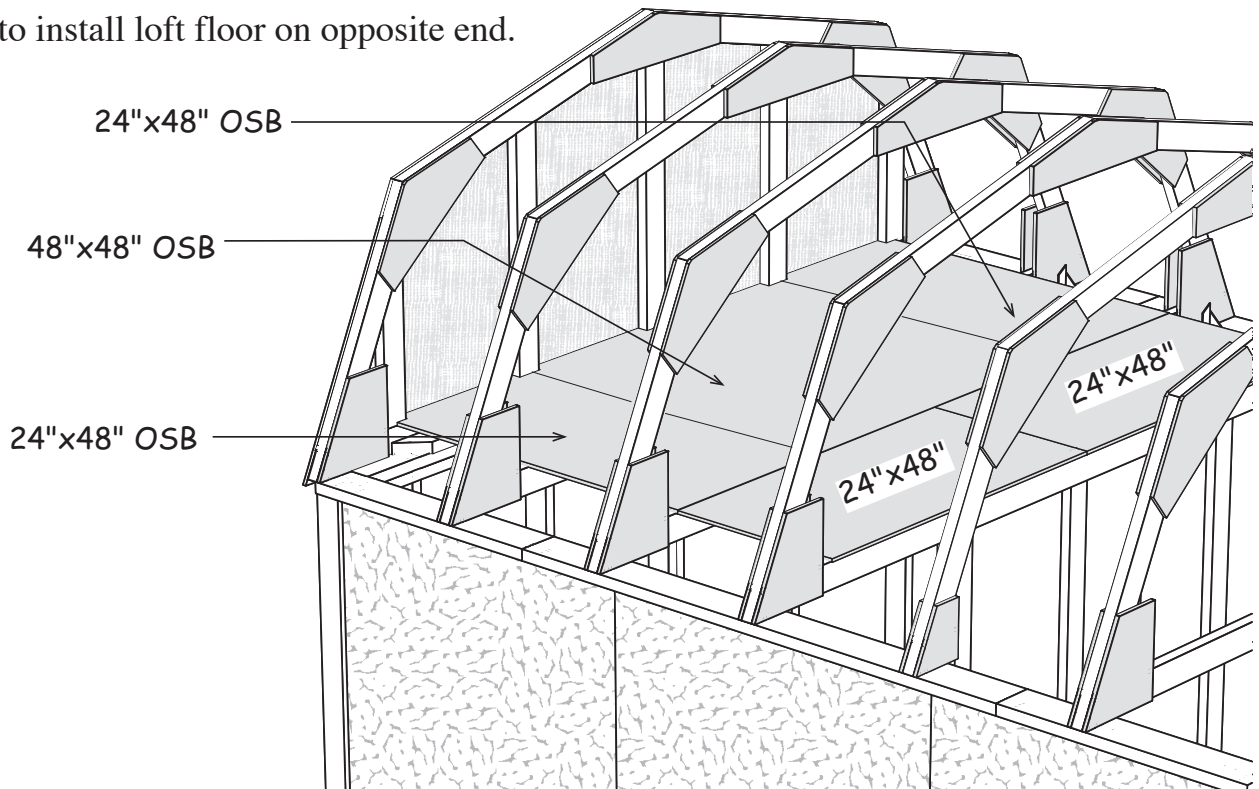
Step 17 Install Trusses & Loft Floor

1. Starting from gable without loft doors install (3) three trusses with a bottom cord over the 'X' marks. Secure truss to metal hangers using 1-1/2" hanger nails.
2. Next install truss without a bottom cord.
3. Install the last three trusses.



Note: The center truss will not have a bottom cord.

4. Select (2) two 24"x48" and (1) one 48"x48" OSB sheets. Set OSB loft flooring centered to the width of the building over the two trusses next to the gable. Do not nail yet. Notch the OSB around the studs on the gable. Secure floor with 6d common spaced 10" apart.
5. Install (2) two 24"x48" over 2nd and 3rd trusses.
6. Repeat to install loft floor on opposite end.

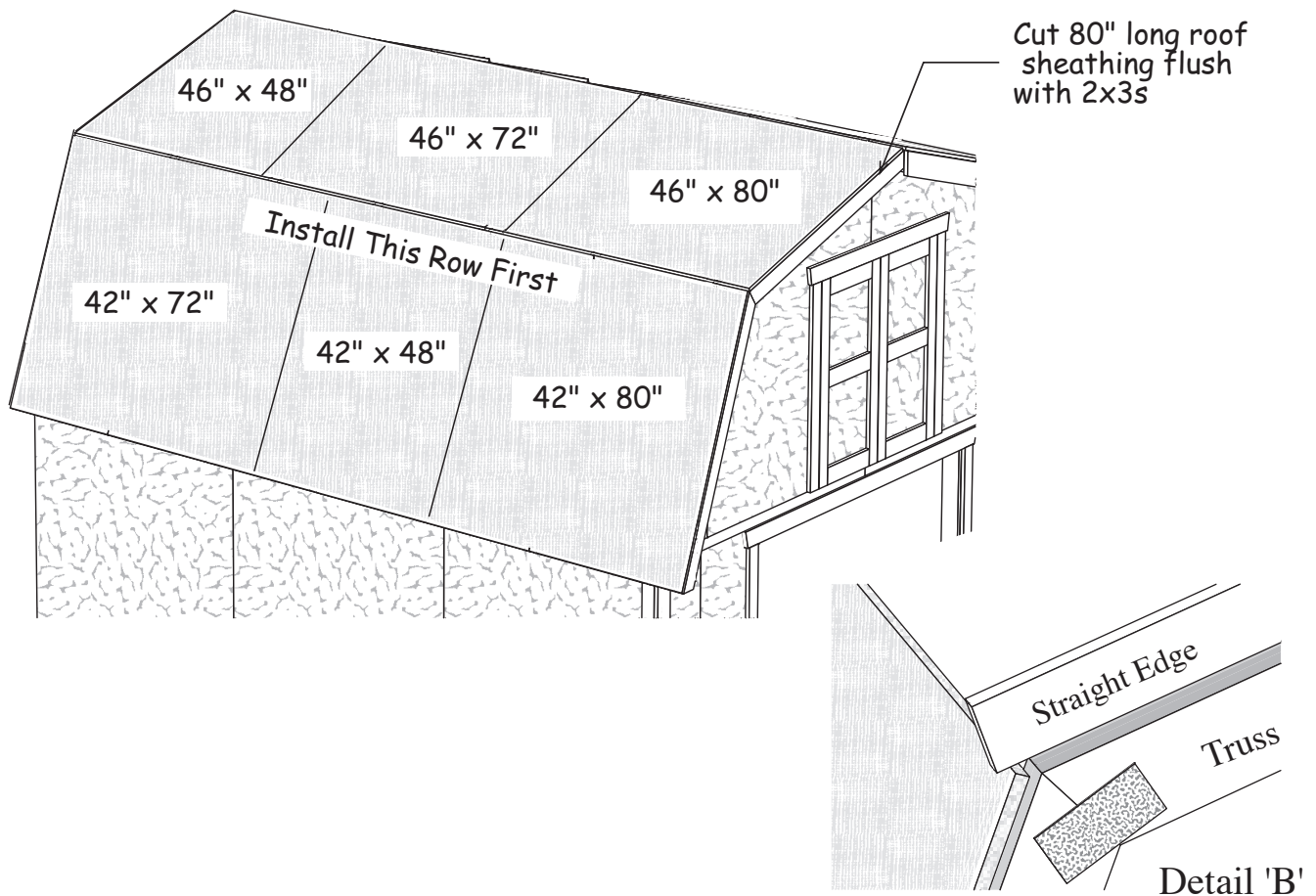


Step 18 Install Roof Sheathing

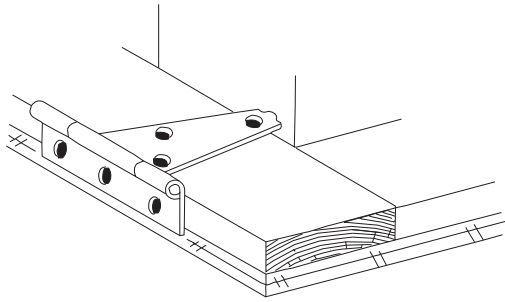
Install roof sheathing on the steep side of the roof. Use a straight edge to align the top of the sheathing with the top of the truss. See Detail 'B'. Make sure the trusses are plumb and the roof sheathing meets the center of the truss. Use 6d common nails spaced 8" apart.

The top roof sheathing will not extend to the ridge. This will allow an opening for air ventilation should you install a ridge vent.

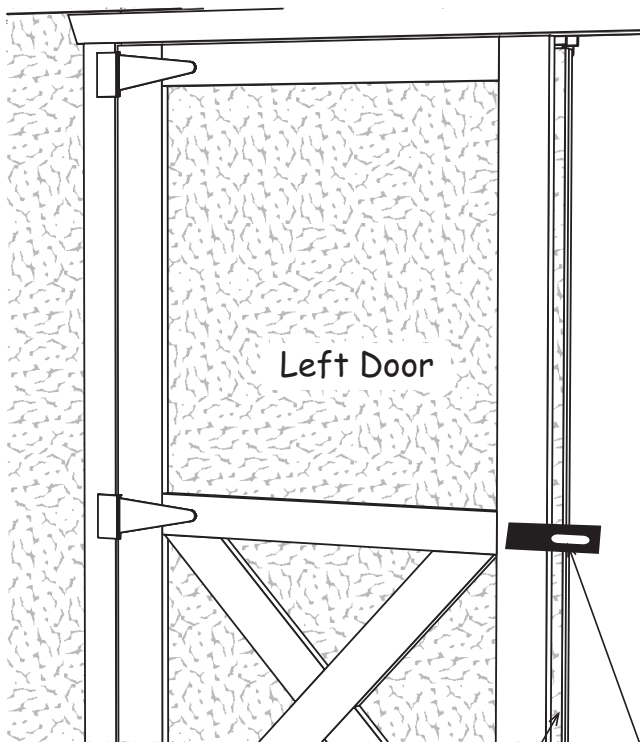
1. Working from the gable without loft doors install a 42" x 72" OSB sheet against back of trim. Install 42" x 48" sheet next.
2. Install a 42" x 80" and cut to fit flush with face of 2x3 board on the gable with loft doors.
3. Install upper sheathing next cutting 80" to be flush with face of 2x3.
4. Install 1x4 gable trim on gable with loft doors.



Step 19 Install Doors & Hardware



1. Lay the left door with the trim facing up. The siding on the left door extends past the door trim. See detail below.
2. Install 5" hinges to the left side of the door frame. To position the hinge properly, hold the rectangular plate against the frame. Use 1-1/4" black screws.
3. Install hinges to the right side of the other door.

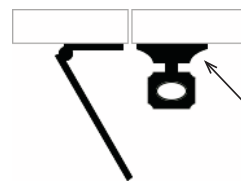


4. Before fastening the hinges to the side trim, temporarily prop the doors in the opening. Leave a space at the top and bottom of the doors and between the doors and the side trim to allow room for the doors to expand due to humidity.

If your door opening is out of square, the space around the doors will not be even. You can remove and re-position the side trim to make allowances for this. The side trim does not have to be flush with the frame of the door opening. You can move the trim in or out to make the door spacing equal.

5. Determine position of hinges and install to side trim with 2" screws.
6. Install door hasp on double doors. When properly installed the hasp will fold in half to receive locking latch and the screw heads will be covered.

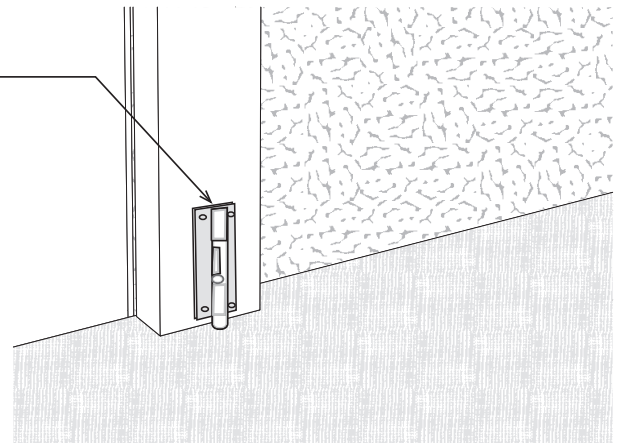
Siding Extends Past Trim



Fold Hasp to Cover Screws

Barrel Bolt on the back of left door

7. Install a barrel bolt on the lower back of the door to secure this door in place when closed. You will need to drill a hole for the round shaft to drop into.
8. Install another barrel bolt at the top of the door.

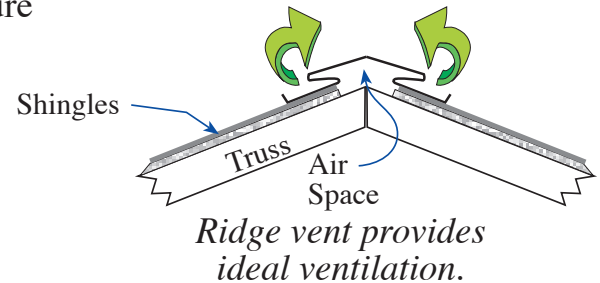


Install Shingles - not included in kit

Install roof shingles per instructions on outside of wrapper.

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

Material Description	Quantity
Roof Shingles	10 bdl.
Roof 'drip' Edge	7 pcs.



Packing List

Hardware

3 lbs. 10d Sinkers	4 lbs. 6d Galvanized
7 lbs. 6d Common	2 lbs. Hanger Nails
25 Screws 2-1/2"	24 Drywall Screws 1"
36 Drywall Screws 1-5/8"	50 Black Hinge Screws 1-1/4"
25 Black Hinge Screws 2"	20 Truss Hangers
4 Door Hinges 4"	6 Door Hinges 5"
2 Barrel Bolts 4"	2 Barrel Bolts 6"
1 Door Hasp	16 Pan Head Screws 3/4"
14 Metal Plates 1"x4"	
<u>Additional Hardware found in Siding Kit</u>	
1 lb 6d Common	8 Truss Hangers
4 Metal Plates 1" x 4"	

Packing List

Qty 2x4 Framing Size

2	Wall Plates	78-1/2"
40	Wall Studs	72"
4	Wall Plates	68-1/2"
2	Door Headers	67-1/2"
4	Wall Plates	65-1/2"
8	Wall Plates	60"
4	Wall Plates	20-1/2"
1	Gable Stud	42"
1	Gable Stud	36"
4	Gable Stud	34-1/4"
4	Gable Stud	21-1/2"
6	Temp Blocks	8"-10"
16	Bottom Cords	58"
18	Top Rafter with Blue Ends	47"
18	Bottom Rafter	38"
4	Gable Support Blocks	24"

Qty 2x3 Framing Size

4	Top Gable Overhang	47"
4	Bottom Gable Overhang	42-1/4"
2	Gable Blocks	6"

Qty 1x4 Trim Size

4	Corner Trim	75-3/4"
4	Corner Trim	74-3/4"
2	Side Door Trim	72"
4	Top Gable Trim	47-1/2"
4	Bottom Gable Trim	43"

Qty 1x3 Trim Size

1	Top Door Trim	72"
4	Lower Wall Trim	62"
1	Loft Door Trim	43"
2	Loft Door Trim	29-1/4"

Qty 2x6 Framing Size

4	Tie Plates for Side Walls	70-1/2"
2	Tie Plates for Side Walls	48"

Qty OSB Loft & Roof Size

2	Roof Sheathing	42"x80"
2	Roof Sheathing	46"x80"
2	Roof Sheathing	46"x72"
2	Roof Sheathing	42"x72"
2	Roof Sheathing	46"x48"
2	Roof Sheathing	42"x48"
4	Loft Flooring	48"x48"
8	Loft Flooring	24"x48"

Qty OSB & Plywood Size

12	Ridge Gussets	8"x24"
24	Knee Gussets	9"x23-3/4"
20	Bottom Gussets	11-1/2"x11-1/2"
9	Bottom Cord Gussets	3-1/2"x24"
1	Gable Stud Gusset	3-1/2"x5"

Qty Siding Size

3	Wall Panels	48"x77-1/4"
2	Wall Panels	36"x77-1/4"
2	Wall Panels	16"x77-1/4"
2	Wall Panels	12"x77-1/4"
6	Wall Panels	48"x75-3/4"
4	Gable Panels	48"x48"
4	Gable Panels	16"x30"
1	Door Header Panels 6"x32-3/4" & 6"x32-1/4"	
8	Soffit Panels (Not used in this kit)	8"x48"

Qty Pre-Built Components

2	Barn Doors
2	Loft Door Frames
2	Bottom Gussets with Angled 2x4