Assembly Book

Revised April 11, 2024

BEST BARNS
Quality Do-it-yourself Barn Kits.

the Easton-R 12'x 20'

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
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
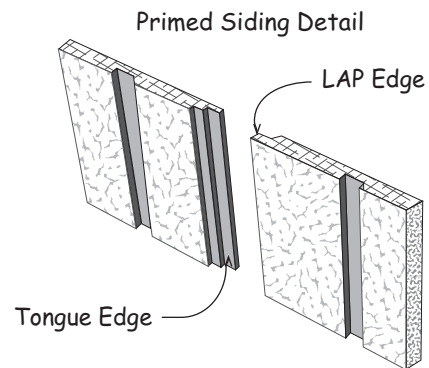Wall Plate - Top and bottom 2x4s used to frame walls
Tie Plate - 2x4s connecting wall sections together
Header - Spans top of door opening
OSB - Oriented Strand Board
LAP - Edge of siding that overlaps Tongue
Tongue - Edge of siding that is overlapped

Primed Siding Detail

LAP Edge

Tongue Edge

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
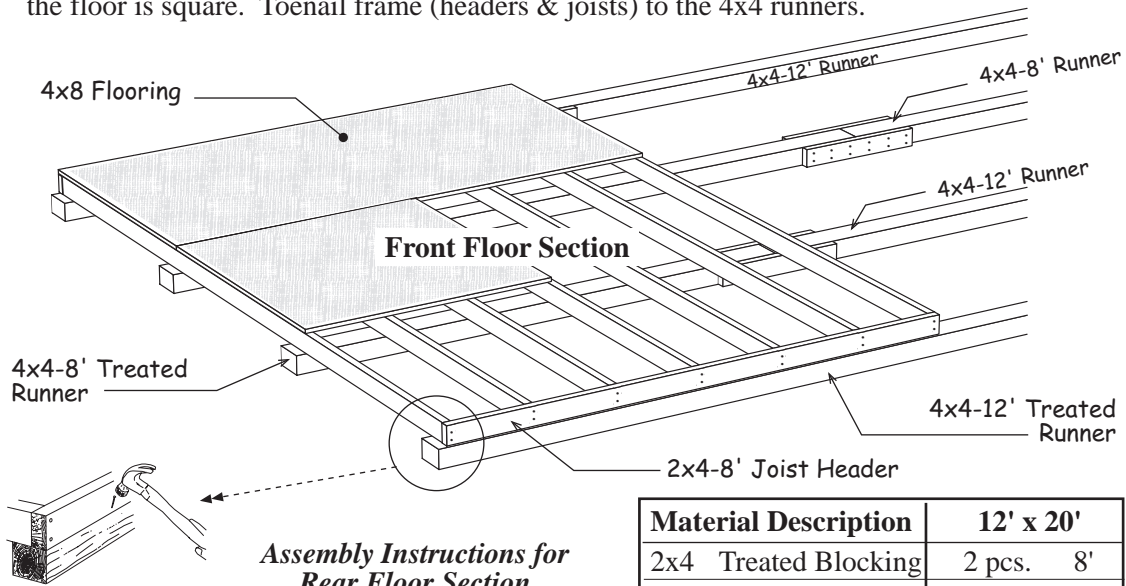
Constructing Details for Deluxe Floor System

Foundation size is 12'-0" x 20'-0". 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. Stagger the 4x4 timbers as shown below. Cut (2) two 2x4- 8' boards into 2' long blocks to secure the 4x4s where they butt together.

2. Cut (2) two 2x4-8' to a length of 8' -0". They will be used for the joist headers. Layout, from left, for 16" on center joist spacing. 'X' marks where floor joist will be placed.

15-1/4"	16"	16"		
X	X	X	X	X
X	X	X	X	X
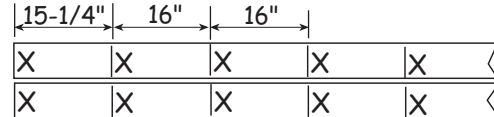
3. Cut (17) seventeen 2x4-12' treated boards to 11' -9". These will be the floor joists. *Treated lumber may be thicker than 1-1/2". Take this into account when cutting the length of floor joists. Shorten joist measurements if necessary to obtain 12'-0" building width.*

4. Install the floor joists cut above between the 8' joist headers. Secure with 16d galv. deck nails.

5. Place floor assembly over the 4x4s. Square floor assembly. Measure the floor diagonally (corner to corner) and then the opposite corners; these measurements will be the same when the floor is square. Toenail frame (headers & joists) to the 4x4 runners.
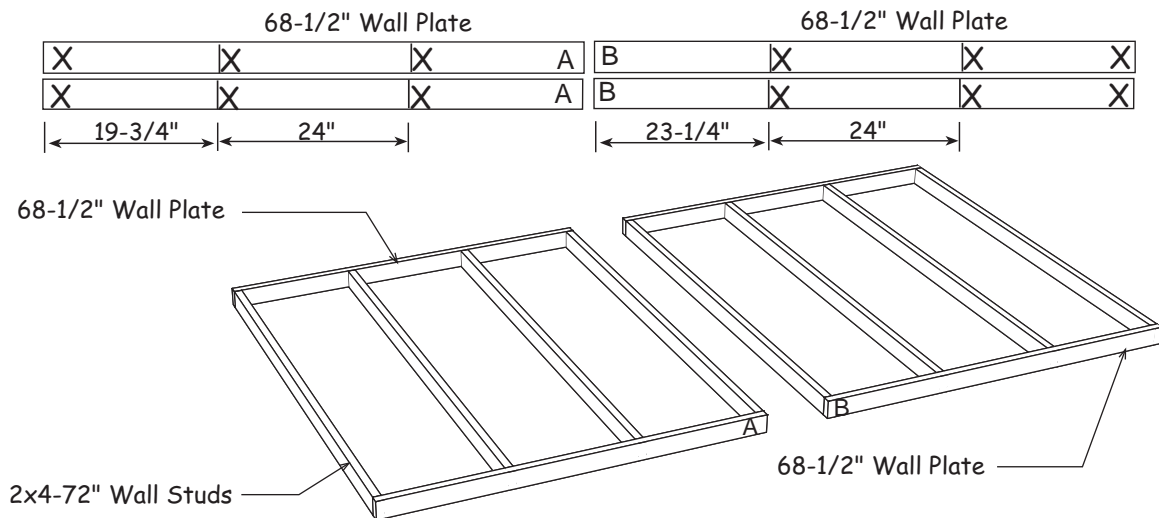

4x8 Flooring

4x4-12' Runner

4x4-8' Runner

4x4-12' Runner

Front Floor Section

4x4-8' Treated Runner

4x4-12' Treated Runner

2x4-8' Joist Header

Assembly Instructions for Rear Floor Section

6. Cut (2) two 2x4-12' to a length of 12' -0". Layout for 16" joist spacing, *See above*.

7. Install floor joists between the joist headers. Square the floor section and install against the section assembled above. Toenail to the 4x4s runners.

8. Install 4x8 flooring over the 2x4s. Use 8d galv. spiral nails spaced 8" apart.

| Material Description	12' x 20'	
2x4 Treated Blocking	2 pcs.	8'
2x4 PT Joist Headers	2 pcs.	8'
2x4 PT Joist Headers	2 pcs.	12'
2x4 PT Floor Joist	17 pcs.	12'
4x4 Treated Runners	4 pcs.	8'
4x4 Treated Runners	4 pcs.	12'
Flooring 5/8" or 3/4"	8 pcs.	4x8
Galv Spiral Floor Nails	3 lb.	8d
Galvanized Deck Nails	5 lb.	16d

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

Step 1   Assemble 12' Side Wall Panel

1. Position (4) four 68-1/2" 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'.

2. Install (8) eight 72" long wall studs between the wall plates. Use 10d sinkers, (2) two nails at each end of stud. Nail frames together using (4) four 10d sinkers (stagger nails on each side).

68-1/2" Wall Plate

68-1/2" Wall Plate

19-3/4"   24"

23-1/4"   24"

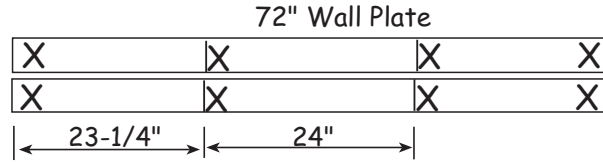68-1/2" Wall Plate

2x4-72" Wall Studs

68-1/2" Wall Plate

3. Square wall frame. *Measure diagonally (corner to corner). The measurements will be the same when the wall is square.*

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. Tip; use a 1x4 trim board as a gauge. Use 6d galv. nails spaced 8" apart.

5. Install (2) two more siding panels. Cut the last panel to extend 3-1/2" beyond the wall frame.

LAP Edge

Siding Extends 3-1/2" Past 2x4 Stud
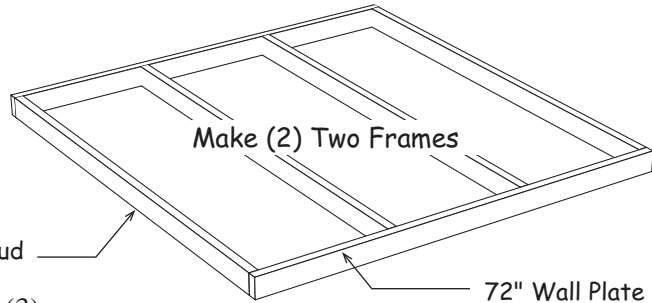
Siding to extend 3/4" below bottom plate
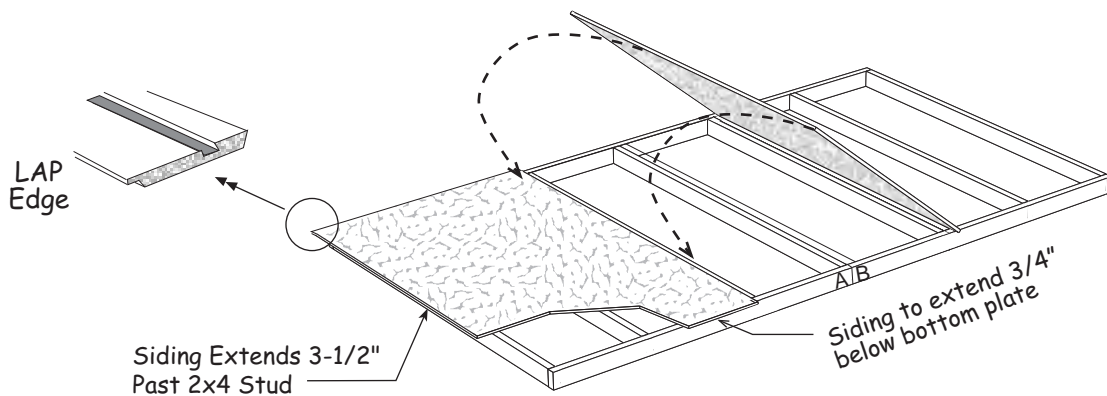
Step 2   Assemble Back Wall Frames

1. Position (2) two 2x4-72" boards together and indicate with 'X' marks, where the wall studs will be located.

2. Install (4) four 72" long wall studs between the wall plates

72" Wall Plate

| X | X | X | X |
| X | X | X | X |

23-1/4"   24"

3. Repeat process to assemble another 72" long wall frame.

Make (2) Two Frames

72" Wall Stud

72" Wall Plate

4. Locate (2) two 48" long 2x4s and (3) three 2x4-72" wall studs.

5. Install (2) two 2x4-72" wall studs between wall plates at each end. Install (1) one stud in the center of the wall frame.

6. Repeat steps to assemble (1) one more wall frame. The 2x4s are packed in the 4' extension kit.

Make (2) Two Frames

72" Wall Stud

48" Wall Plate
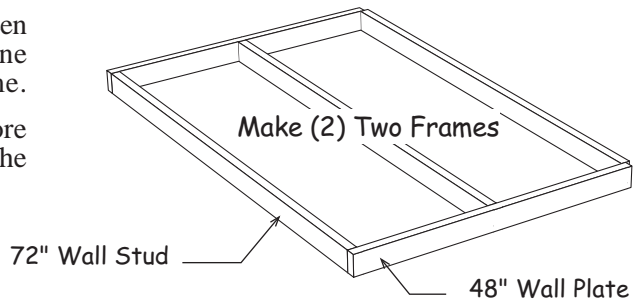
Step 3   Assemble Door Headers

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

2. 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.

31-1/2" Long 2x4

OSB Filler

67-1/2" Long 2x4

OSB Filler
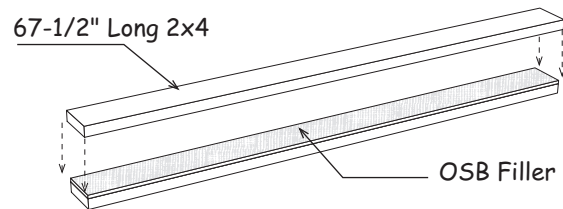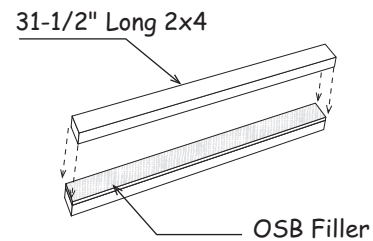
Step 4A   Assemble (2) Two Back Wall Frames

1. Position a 48" wide wall frame against a 72" wall frame as shown below. Nail frames together with 10d sinkers.

2. Square wall frame. *Measure diagonally (corner to corner). The measurements will be the same when the wall is square.*

72" Wall Plate

48" Wall Plate
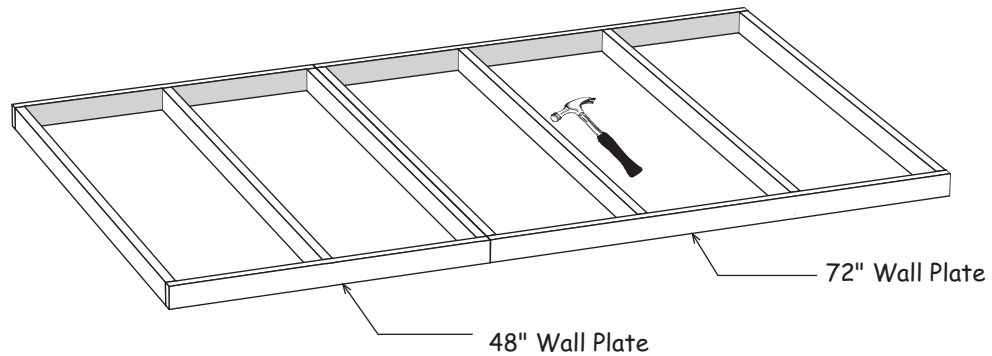
3. Repeat to assemble another 10' long wall frame,

4. Select one of the wall frames.

5. Select a 24" wide panel, *with a 'tongue' edge*, and install this panel with the 'cut' edge' flush with the end of the wall and extending 3/4" below the bottom plate.

6. Install (2) two more siding panels.

7. Mark this panel as "Panel 1".

LAP Edge

Tongue Edge

Cut Edge

Panel 1

Siding Extends 3/4" Below Plate

Mark as "Panel 1"
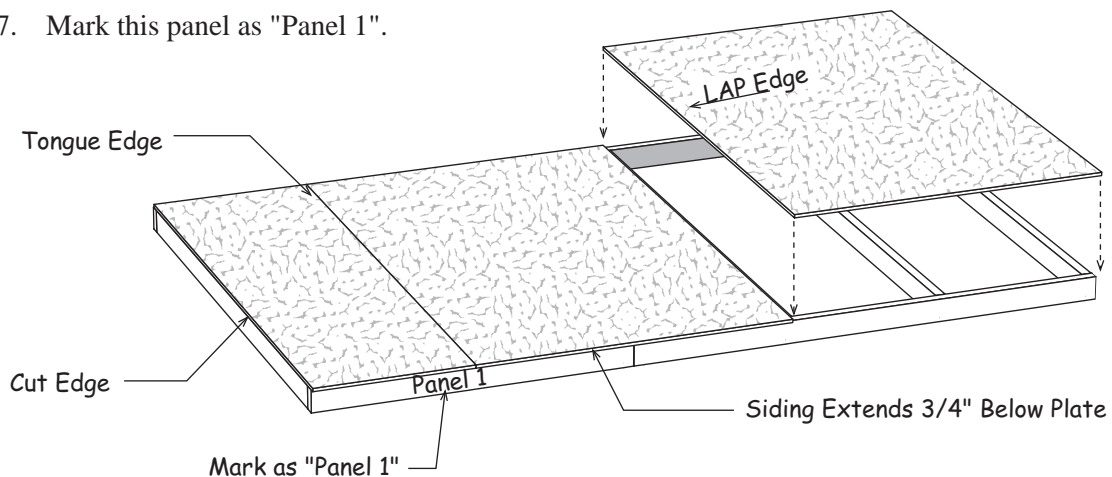
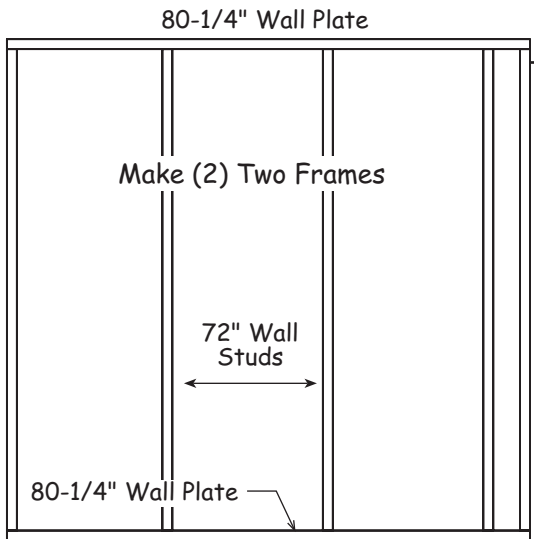## Step 4B   Assemble Back Walls for 20' Building Length

1. Select the 10' wall frame, *without siding*, assembled in **Step 4A**. Position this wall frame, against the wall panel so the 72" wall plates are against the sided panel as shown below. DO NOT nail these frames together so they can be separated later.

2. Square the wall frame. Install a full width siding panel but do not nail along the long edge that overlaps the other wall frame. You can nail this edge after the wall panels are installed. This will enable you to separate the wall panels making them easier to handle.

Do Not Nail Along This Edge

LAP Edge

72" Wall Plate
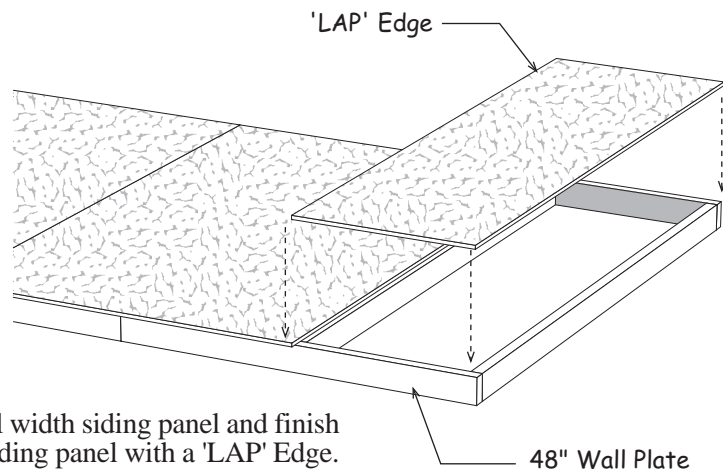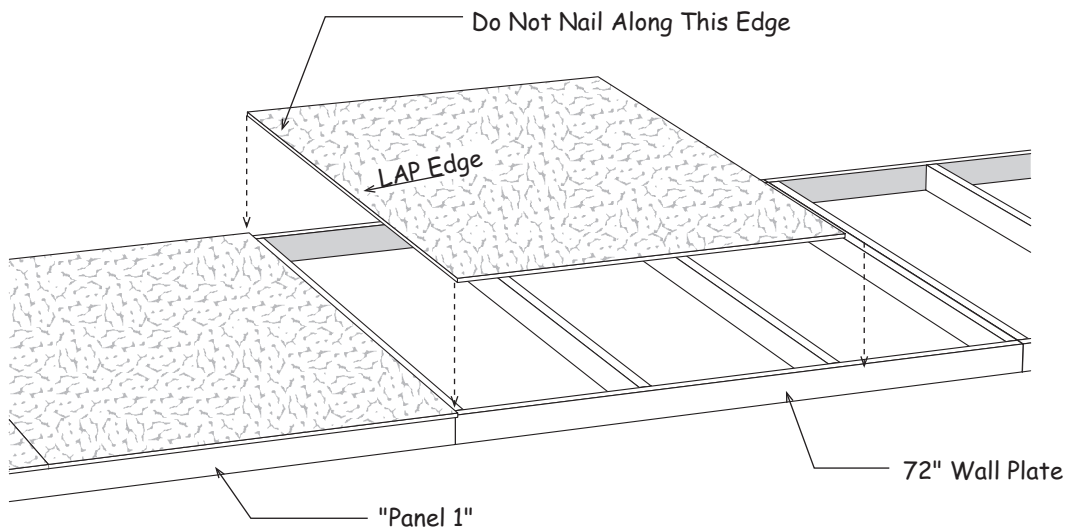
"Panel 1"

'LAP' Edge

3. Install another full width siding panel and finish with a 24" wide siding panel with a 'LAP' Edge. Cut edge should be flush with frame.

48" Wall Plate

Step 5   Assemble (2) Two Front Wall Frames

1. Locate (2) two 80-1/4" long boards. Position boards together and indicate with 'X' marks where the wall studs will be located.

80-1/4" Wall Plate

| X | | X | | X | | X | X |
| X | | X | | X | | X | X |

|← 23-1/4" →|← 24" →|← 24" →|

80-1/4" Wall Plate

Make (2) Two Frames

72" Wall
Studs
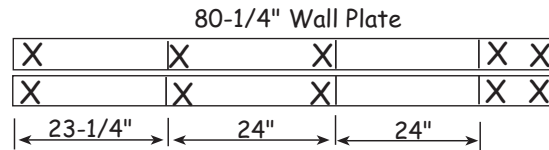
80-1/4" Wall Plate

2. Install (5) five 72" wall studs between the 80-1/4" wall plates.

3. Locate (1) one 72" long 2x4 and cut to a length of 71-1/2". Install as a header support on the wall frame flush with bottom plate. Use 10d sinkers.

4. Repeat steps to assemble another wall frame.

71-1/2" Header Support

5. Locate (2) two 24" long 2x4s. Install (2) two 72" wall studs between the 24" boards. One at either end.

6. Repeat to assemble another 24" frame.

Header
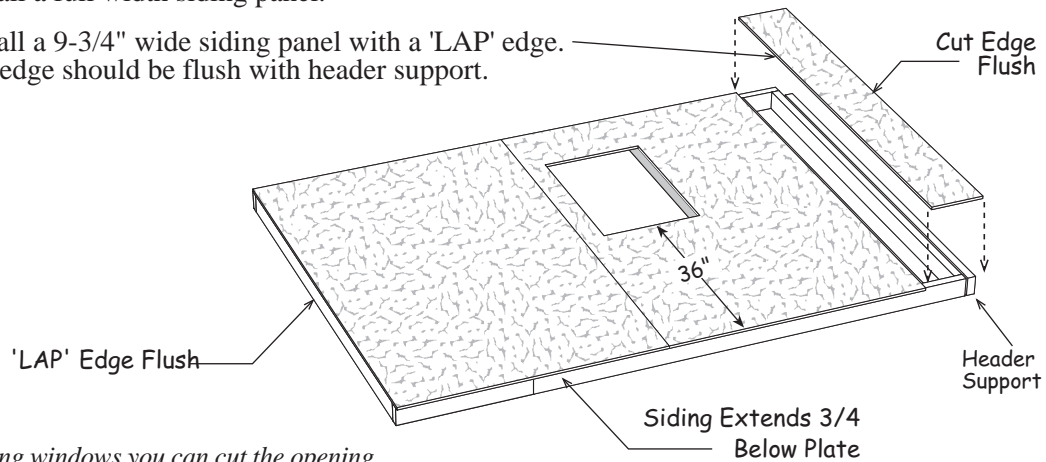Support

80-1/4" Wall Plate
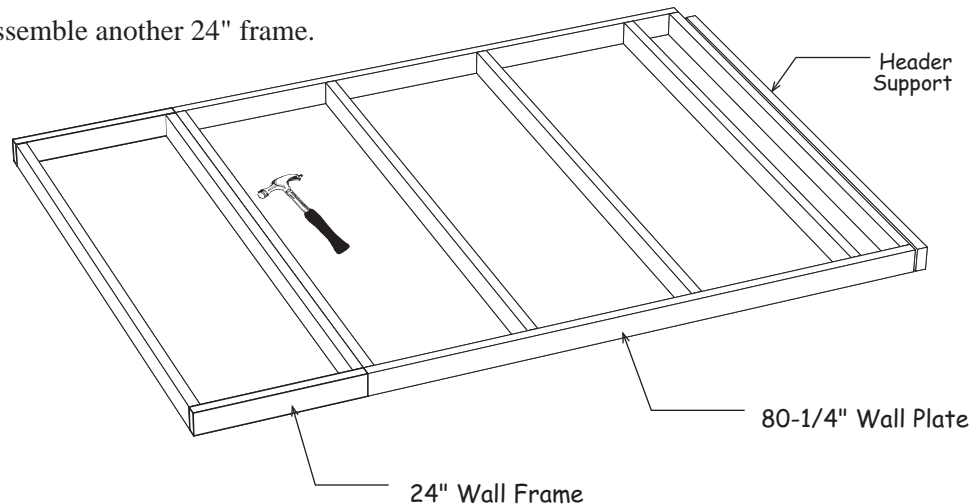
24" Wall Frame

7. Butt a 24" frame to the the 80-1/4" frame opposite the header support. Secure with 10d sinkers.

8. Repeat to extend second 80-1/4" frame.

## Step 6   Apply Siding to Left Front Wall Frame

1. Select one of the wall frames from **Step 5**. Position frame with the header support on the right. Install a siding panel with the 'LAP' edge' flush with the end of the wall frame. Siding should extend 3/4" below bottom plate.

2   Install a full width siding panel.

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

Cut Edge Flush

36"

'LAP' Edge Flush

Header Support

Siding Extends 3/4 Below Plate

If installing windows you can cut the opening now. Instructions are in the window box.

Step 7   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. The 'cut' edge should be flush with the header support. Siding should extend 3/4" below bottom plate.

3. Install (2) two full width siding panel. Cut the last siding flush with end of frame.

Cut Edge Flush

Tongue Edge

Cut Edge Flush

71-1/2" Header Support

Siding Extends 3/4" Below Plate
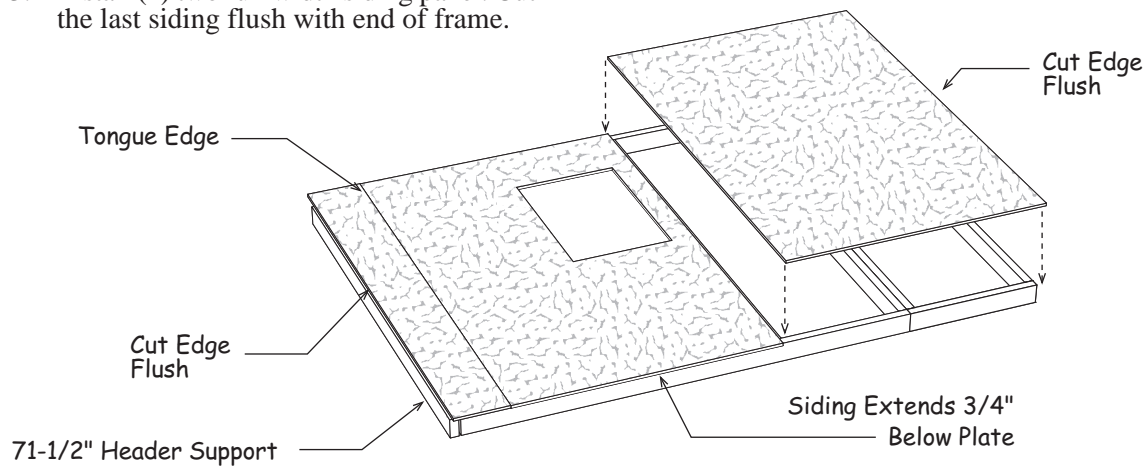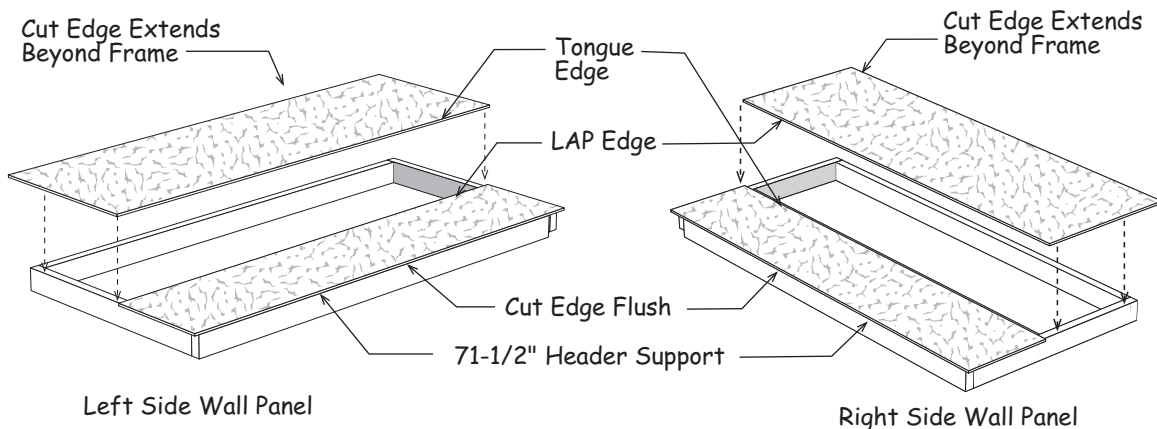
Step 8   Assemble Double Door Wall

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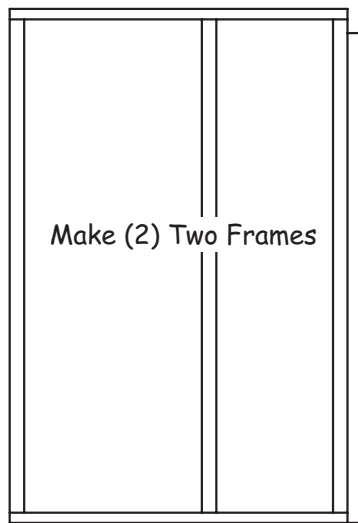
1. Locate (2) two 34-3/4" long 2x4s and position them together. Indicate with 'X' marks where studs will be located..

34-3/4" Wall Plate

19-3/4"
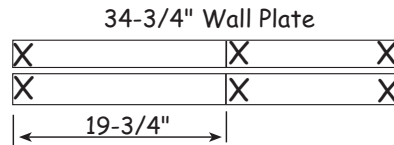
2. Install (3) three 72" wall studs between 34-3/4" wall plates.

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. Repeat to assemble another wall frame.

71-1/2" Header Support

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 should be 3/4" below bottom plate. Only nail along cut edge until next panel is installed.

4. Select a 24" siding panel with a '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.

Cut Edge Extends Beyond Frame

Tongue Edge

LAP Edge

Cut Edge Extends Beyond Frame

Cut Edge Flush

71-1/2" Header Support

Left Side Wall Panel

Right Side Wall Panel

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 9   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.

2. Repeat to assemble another 12' long bottom plate.

3/4" OSB Gusset
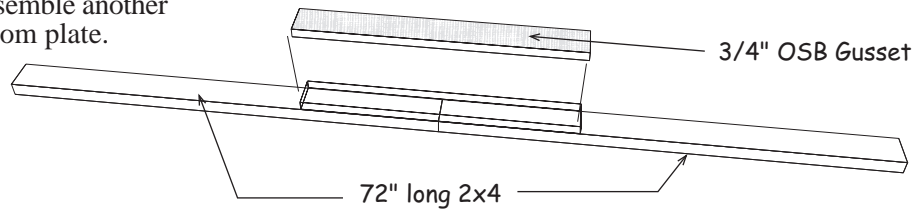
72" long 2x4

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.

Barbed Metal Plate

80-1/2" long 2x4 Truss Rafter

2x4 Block

2x4 Block

Bottom Gable Plate

23-1/2" Gable Stud
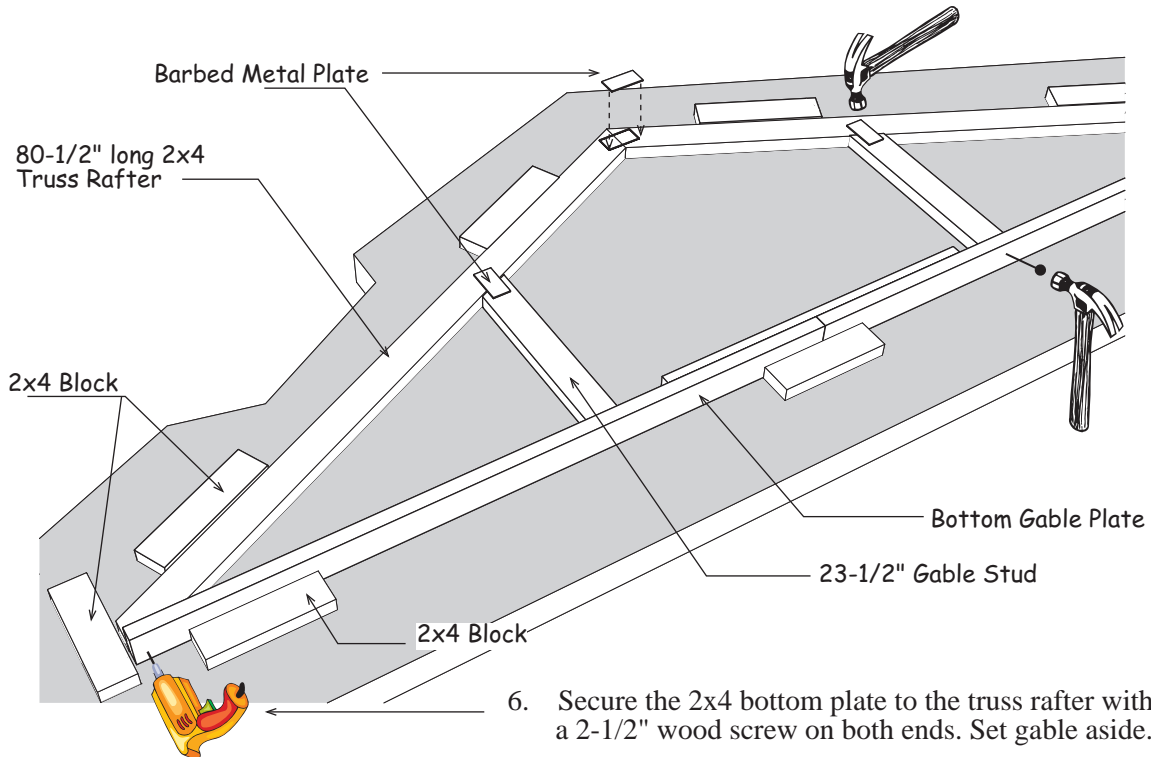
6. Secure the 2x4 bottom plate to the truss rafter with a 2-1/2" wood screw on both ends. Set gable aside.

7. Repeat steps 3-6 to assemble another gable.

Step 10   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 (8) eight more trusses.

Ridge Gusset

80-1/2" Truss Rafter

Collar Tie Flush
with Rafter

2x4-82" Collar Tie

✳ Install collar tie the same
distance from bottom end of
rafters.

Detail 'B'

80-1/2" Truss Rafter

2x4 Block

2x4 Block

2x4 Block

6. Remove and save the short 2x4 blocks. They
will be used in a later step.
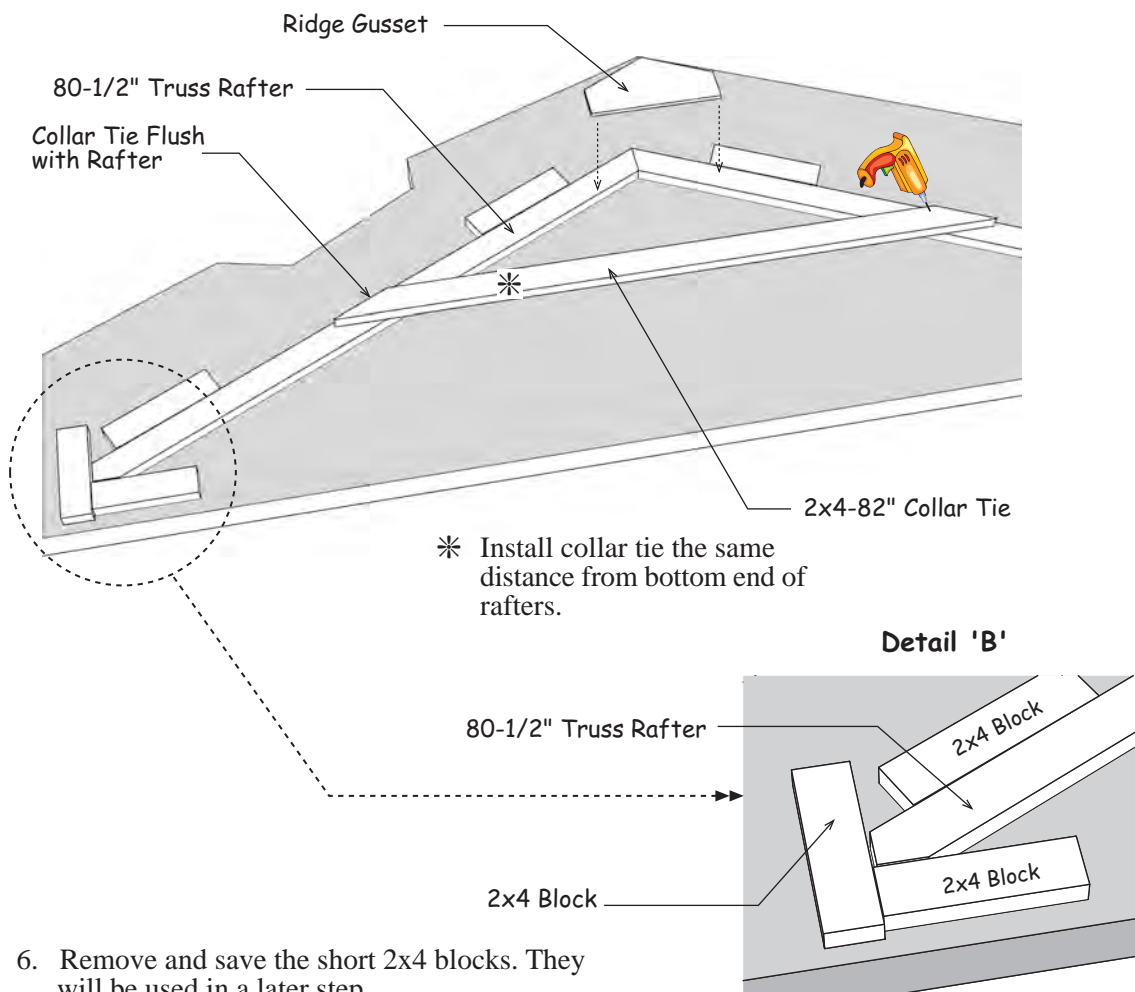
Step 11 Set Wall Panels

1. Erect 12' side wall panel and the Panel 1 from Step 4a. **IMPORTANT make sure walls are plumb and square**. Secure wall panels together at the corners. Use (4) four 10d coated nails per corner.

2. Install remaining 10' back wall panel.

3. Install left sid door panel from Step 8 and secure to back wall.

☞ *You can use 2x4-72" boards to brace walls to help hold them straight. You will need to remove them later to use as tie plates.*
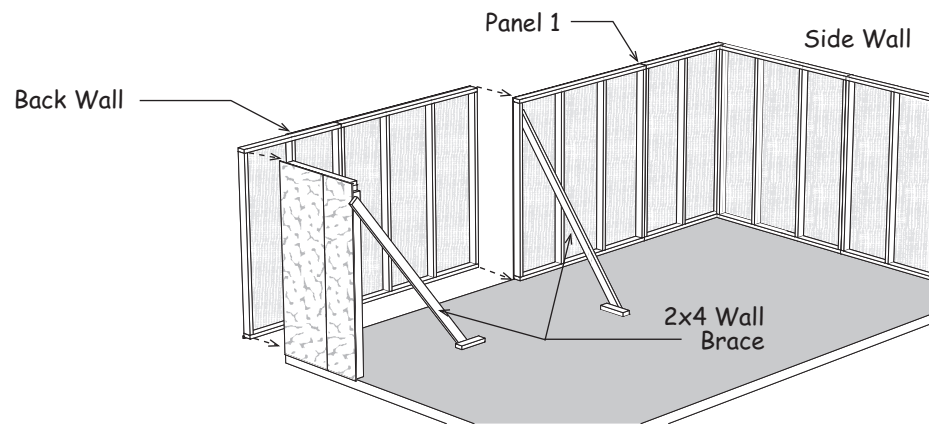
4. Nail wall panels to the floor through the bottom plate. Space 10d sinkers 24" apart.

5. Install right side door panel and front left wall panel from Step 5.

6. Install 67-1/2" door header between the wall panels. Nail through the wall studs into the ends of the header. Toenail into the top wall plates.
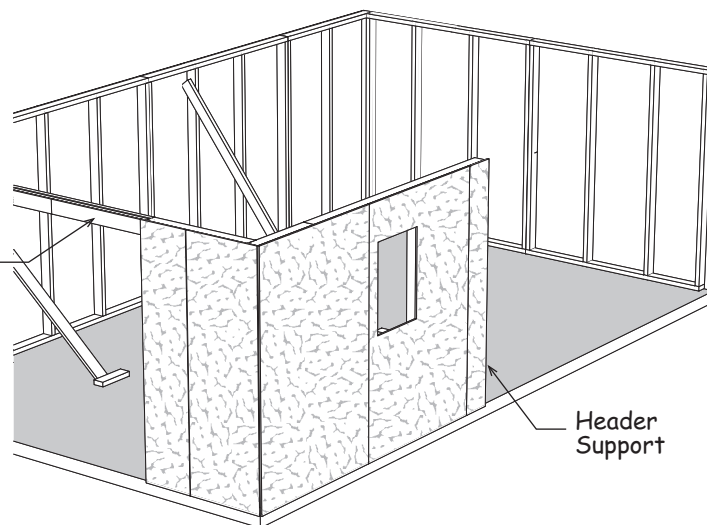
Step 11   Set Wall Panels Continued

7.   Set the remaining the front right wall panel.

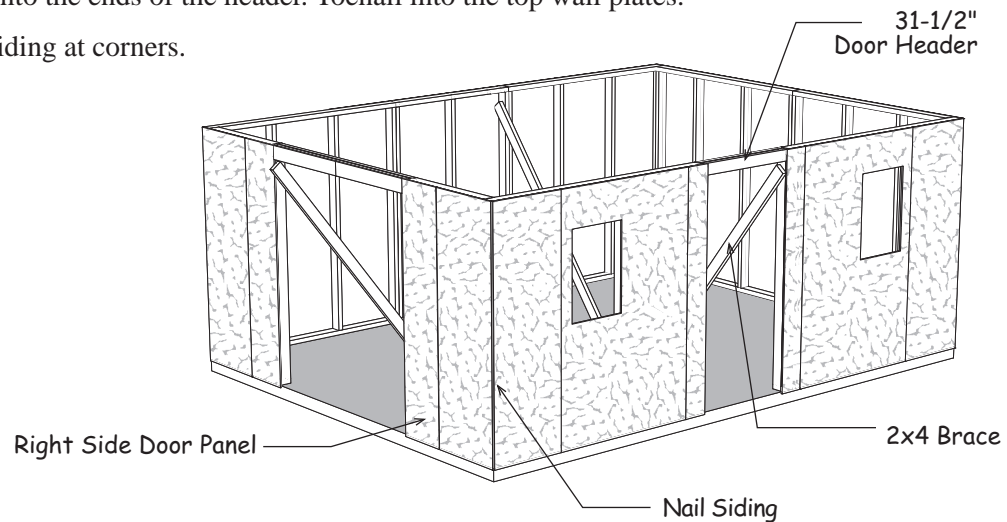8.   Install 31-1/2" door headers between the wall panels. Nail through the wall studs into the ends of the header. Toenail into the top wall plates.

9.   Nail siding at corners.

31-1/2"
Door Header

Right Side Door Panel

2x4 Brace

Nail Siding

Step 12   Install Header Siding

1.   Install (2) two 4-1/4" siding panels over 67-1/2" door header on the end wall. The siding should extend 3/4" below the door header. Cut length to fit. Wall trim, installed later, will hide where the siding butts the end wall siding.

2.   Install (1) one 4-1/4" siding panels over 31-1/2" header. The siding should extend 3/4" below the door header. Cut length to fit.

Cut 4-1/4" x 48" Siding
Panels to Fit

3/4" Below
Bottom of Header
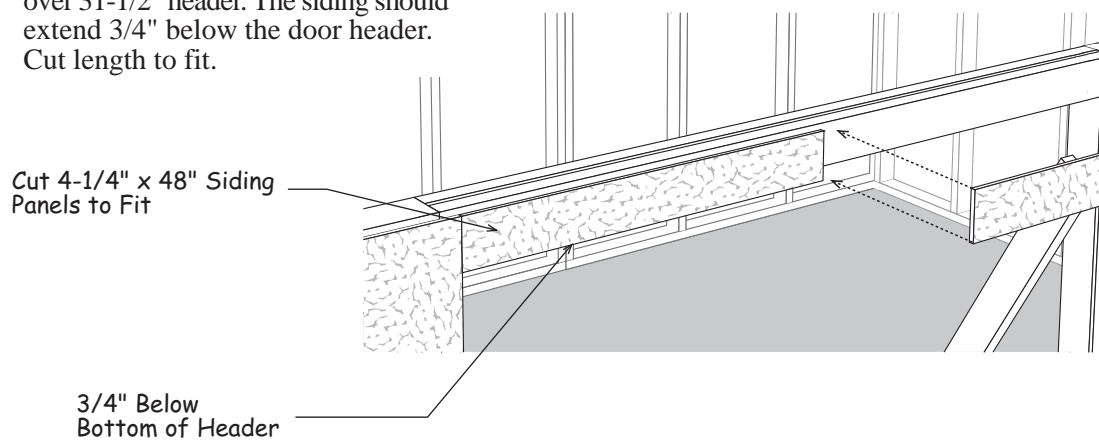
Step 13   Install 12' Side Wall Trim

1. Install (2) two 75 3/4" long 1x3 corner trim boards to the side wall. Install trim flush with top plate and flush with the siding on the front and back walls. Use 6d galv. nails, spaced 12" apart.

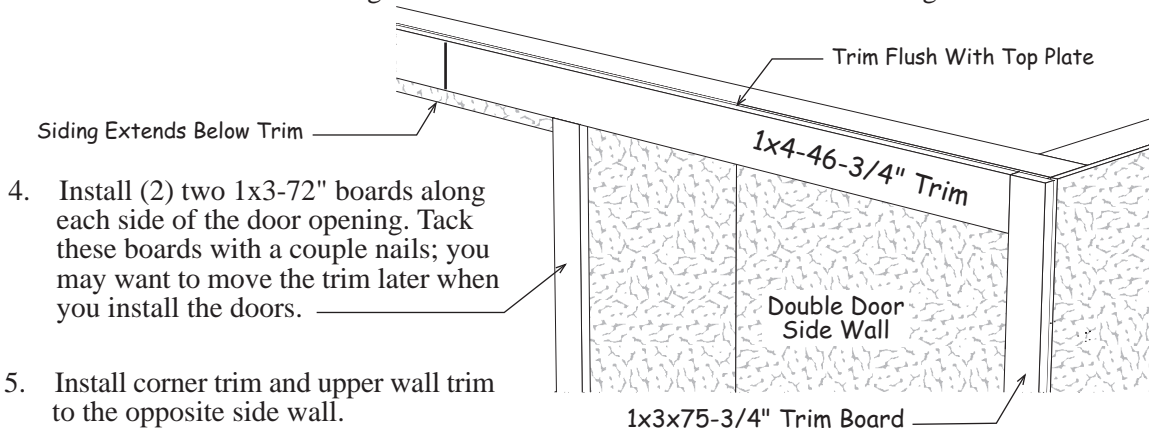2. Gather (3) three 1x4-46-3/4" trim boards. Butt (1) one trim board against 1x3 corner trim and flush with top plate. Nail along top with 6d galv. nails.

3. Install another 46-3/4" long trim board next. Cut to fit the last 46-3/4" long trim board.

Siding Extends Below Trim

Trim Flush With Top Plate

1x4-46-3/4" Trim

Double Door
Side Wall

1x3x75-3/4" Trim Board

4. Install (2) two 1x3-72" boards along each side of the door opening. Tack these boards with a couple nails; you may want to move the trim later when you install the doors.

5. Install corner trim and upper wall trim to the opposite side wall.

Step 14   Install Primed Soffit, Filler and Trim

1. Locate (1) one 7" wide x 48-3/4" long siding panel and cut in half. Install one half over the front 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 side wall. Tack the soffit with a couple 6d common nails. Installing 2x4 tie plates in a later step will provide more nailing.

2. Install (5) four more 7"x48-3/4" soffit panels cutting the last panel flush with the side wall trim.

3. Repeat to install 7" soffit boards on the back wall.
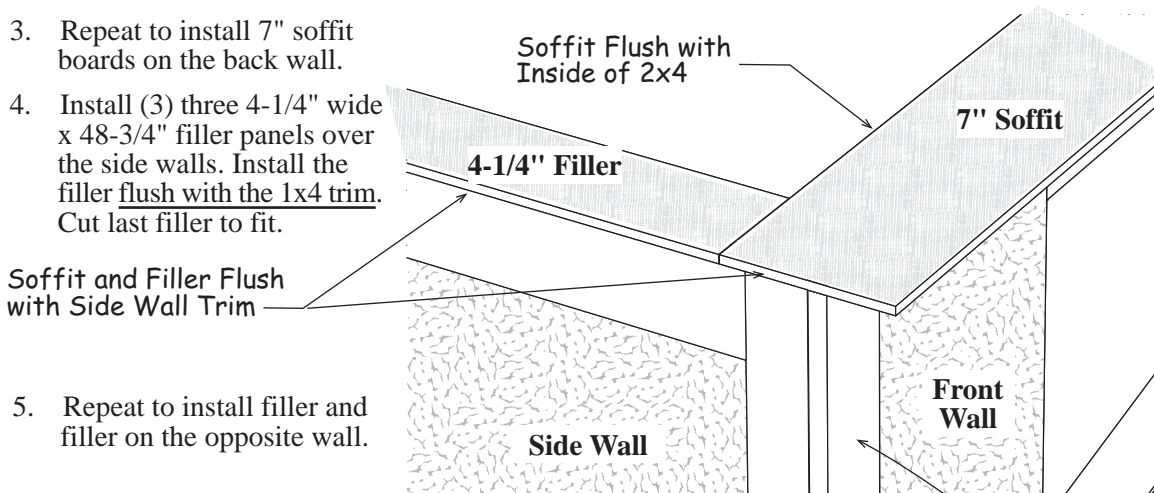
4. Install (3) three 4-1/4" wide x 48-3/4" filler panels over the side walls. Install the filler flush with the 1x4 trim. Cut last filler to fit.

Soffit Flush with
Inside of 2x4

7" Soffit

4-1/4" Filler

Soffit and Filler Flush
with Side Wall Trim

Front
Wall

5. Repeat to install filler and filler on the opposite wall.

Side Wall

6. Install (4) four 1x4-75 3/4" corner trim boards to the front and back walls flush with 1x3 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.

3. Install center panel. Cut last panel flush with end of bottom plate.

4. Repeat to install siding on the other gable frame.

2x4s-72" Stacked to Level Gable

LAP Edge

Siding Extends 3/4" Below Bottom Plate
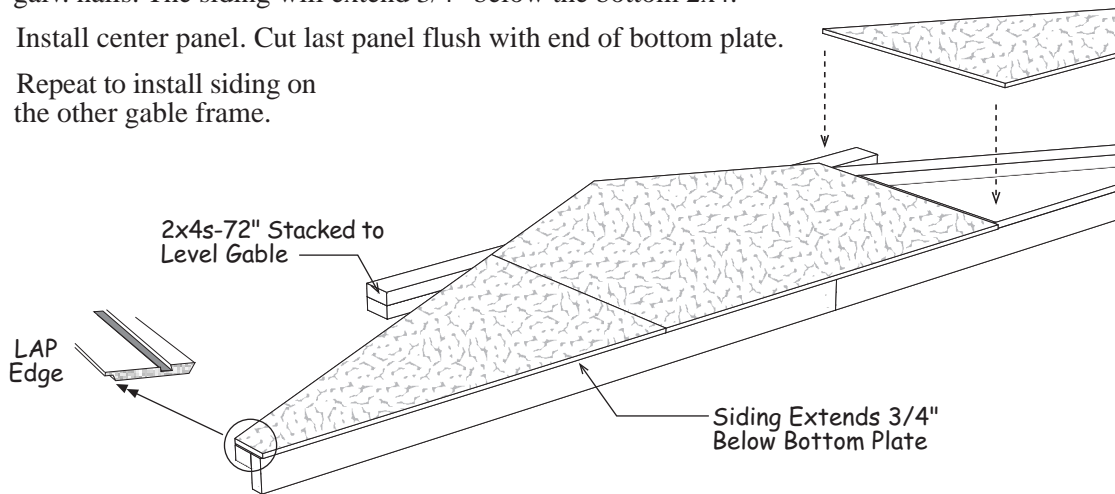
Step 16   Install Gables

1. Install a gable on the left sidewall. 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.

2. Install gable on the opposite sidewall.

Important: Bottom edge of siding extends over 1x4 trim. Paint this edge.
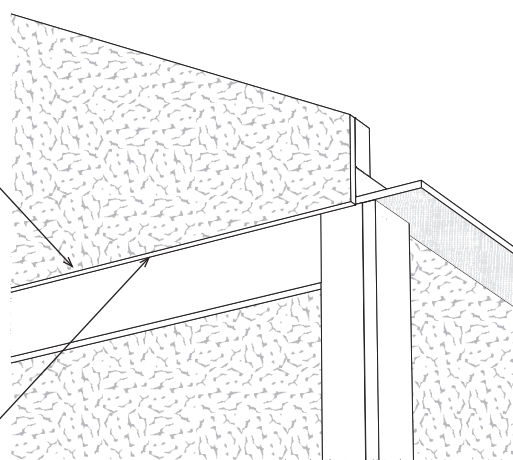
Step 17   Install 2x4 Tie Plates

1. Install (3) three 72" long 2x4s over the soffit panels on the back wall. Install the 2x4s flush with the inside of the back wall. Use 10d sinkers. Cut to fit a 2x4-4' to finish.

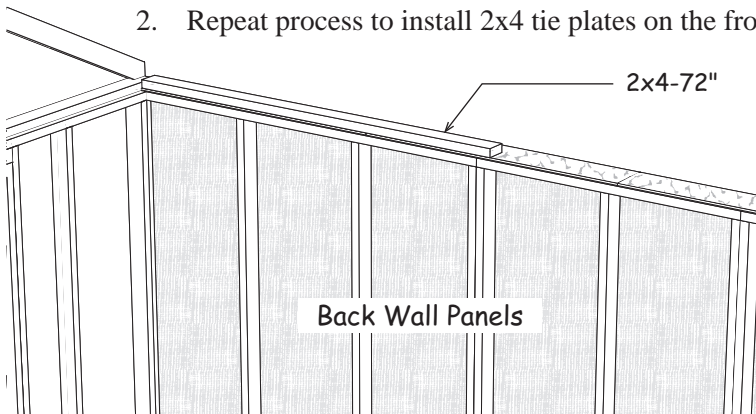2. Repeat process to install 2x4 tie plates on the front wall.

2x4-72"

Back Wall Panels

Step 18   Layout Roof Trusses

1. Layout the truss spacing from the left sidewall of the building. Measure from the backside 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 6d common nails . The opening should line up with the 'X' mark, the bottom of the opening, flush with the 2x4 tie plate. **Detail 'D'**.

Measure From
Backside of 2x4

Detail 'D'

2x4 Tie Plate

21-3/8"

24"

Inside of Building
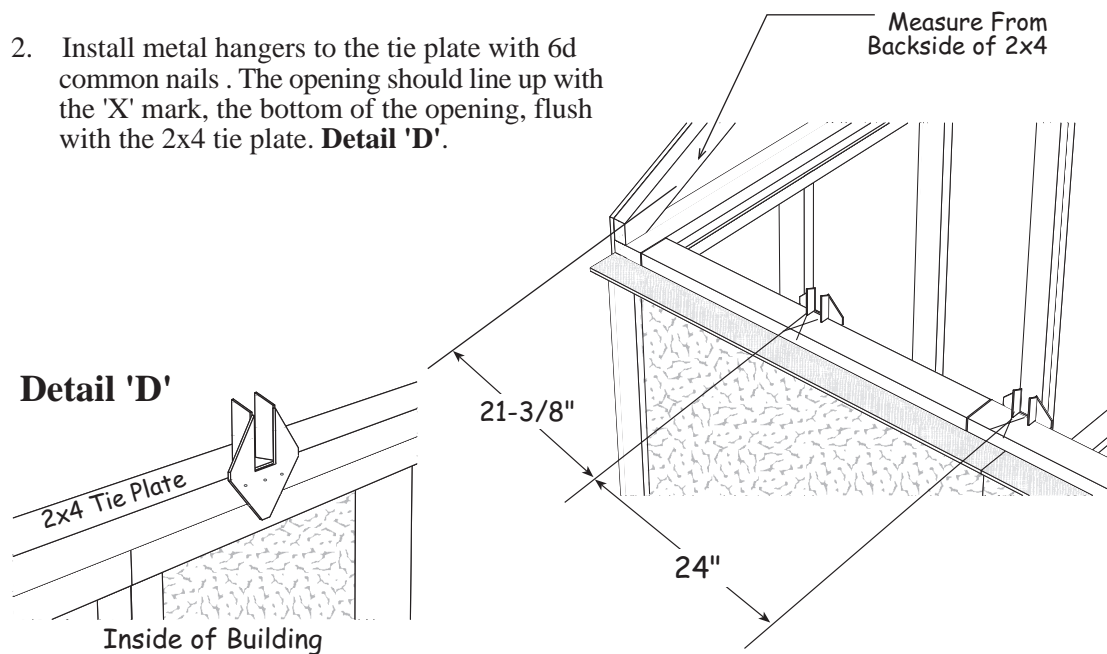
Step 19   Set Roof Trusses and Soffit Blocks

1. Set roof trusses. Secure trusses to metal hangers with 6d common nails.

2. Install short 2x4 blocks in front 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.

2x4 Blocks

Block Flush with Gable 2x4
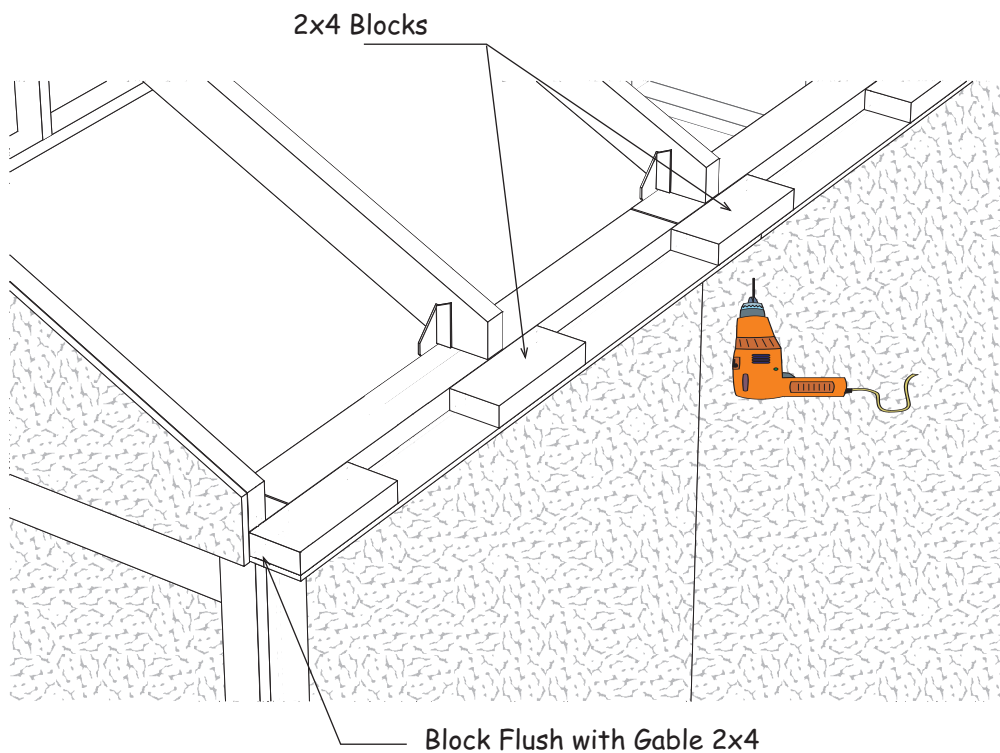
Step 20   Install Siding Filler

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
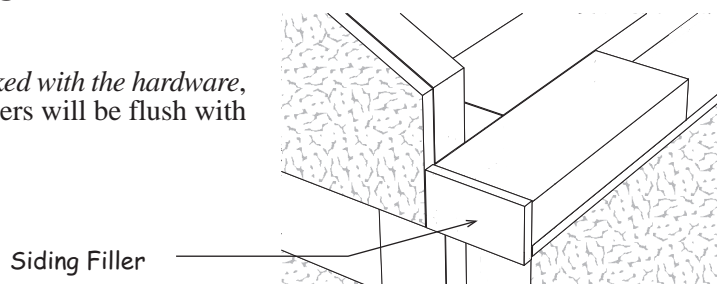
Step 21   Install 1x4 Fascia

1. Starting at the front left of the building, install a 1x4-6' fascia board flush with the face of the siding on the left gable. 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 boards with the top of the trusses. Install fascia with 6d galv. nails.

2. Install another 72" long 1x4 and then a 48" long 1x4.

3. Cut, if necessary, a 52" long 1x4 fascia board to fit flush with gable siding.

4. Repeat steps to install 1x4 fascia on the back.

Straight Edge

1x4 -6' Fascia Board

Nail Fascia to
2x4 Block

Detail 'E'

Roof Sheathing

2x4 Truss

1x4 Fascia

2x4 Tie Plate

2x4 Soffit Block
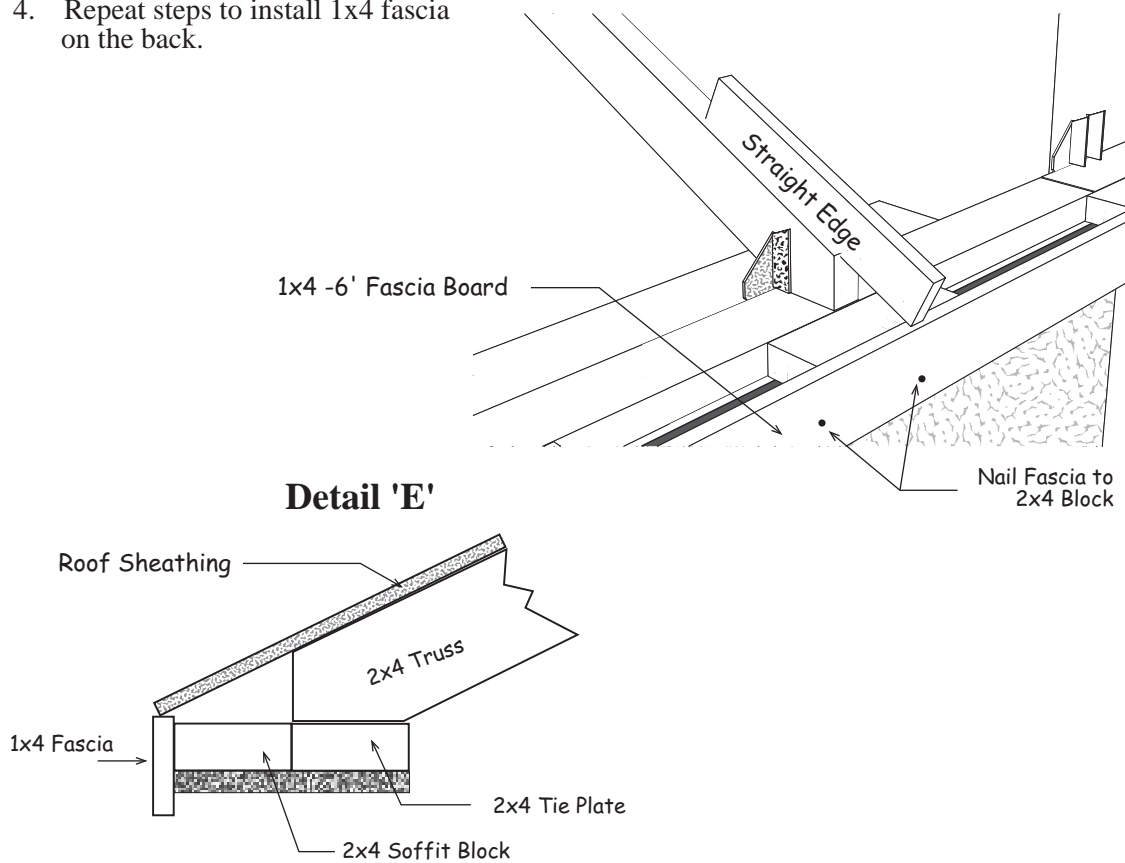
Step 22   Cut Roof Sheathing

1. Locate (2) 48"x85-3/4" OSB sheets. Cut both sheets to the these measurements.

| 48" x 48" | 48" x 36-1/2" |
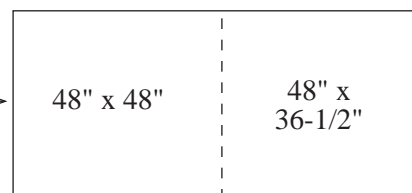
Step 23   Install Roof Sheathing, Gable and Door Drim

1. Install roof sheathing per layout below. Make sure the trusses are plumb and the sheets meet at the center of truss. Starting on lower front left corner install sheathing flush with gable siding. Use 6d sinkers spaced 12" apart. The top row of roof sheathing will be about 1" below the ridge to allow for ventilation.

2. Repeat on back of building.
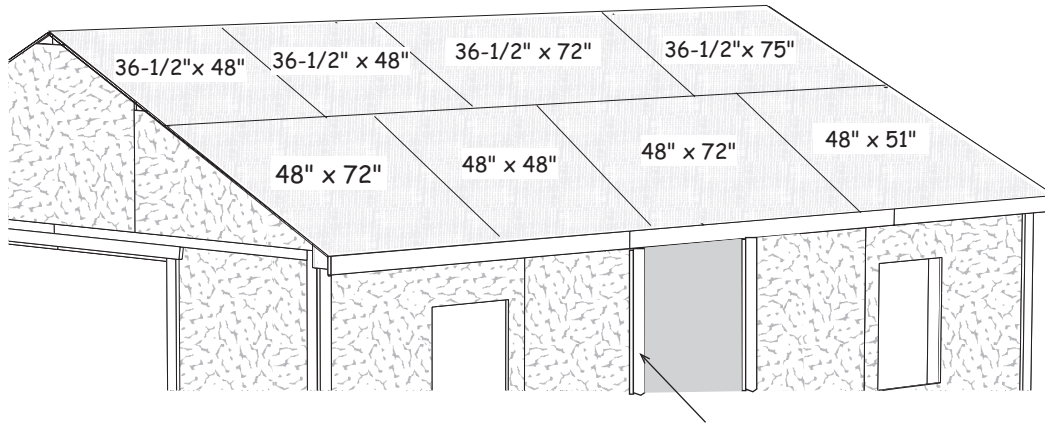
3. Install a 35" long 1x3 board over the singe door opening. Position this board 3/4" above opening and centered.

4. Install (2) two 1x3x73-1/4" boards along each side of the front door opening and butted too the bottom edge of 35" trim. Tack these boards with a couple nails; you may want to move the trim later when you install the doors.

5. Install a 8-1/2" long trim board, *called a keystone*, at the top of the gable flush with the top of the roof sheathing. Use 6d galv. nails.
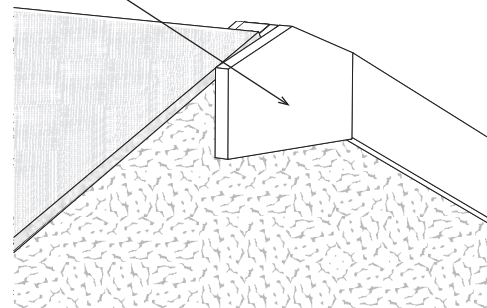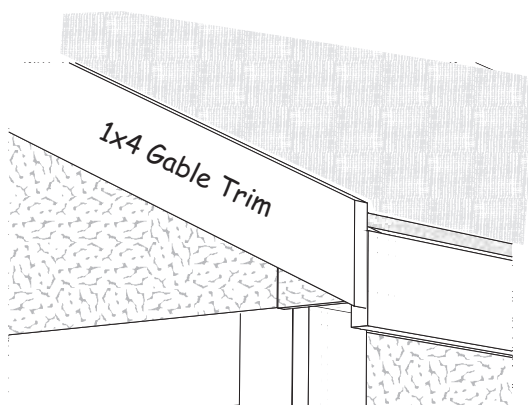
2. Install (2) two 82-1/2" long 1x4 trim boards flush with the top of the roof sheathing. Use 6d galv. nails.

3. Repeat to install trim on other gable end.

Step 24   Install Hardware

Cross Buck Trim
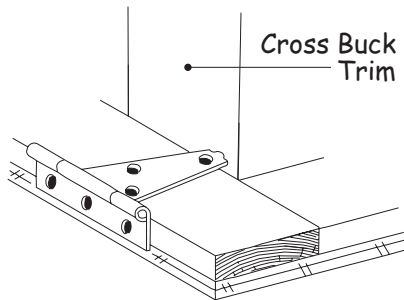
Install Hinges on Double Barn Doors

1. Locate the door that has a 2x4 fastened, *on edge*, to the back side of the door. When doors are closed this 2x4 will be in the center where doors meet. Lay the door with the trim facing up and install (3) three 5" hinges to the right side. To position the hinge properly, hold the rectangular plate against the frame. Use 1-1/4" black screws.

2. Install hinges on the left side of the other door.

Step 25   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 24** on opposite side of 2x4.

2x4-68-1/2" Door Stiffener

2x4 Blocks to Level Door

2x4 Gouge Block

1-1/2" from Bottom Trim
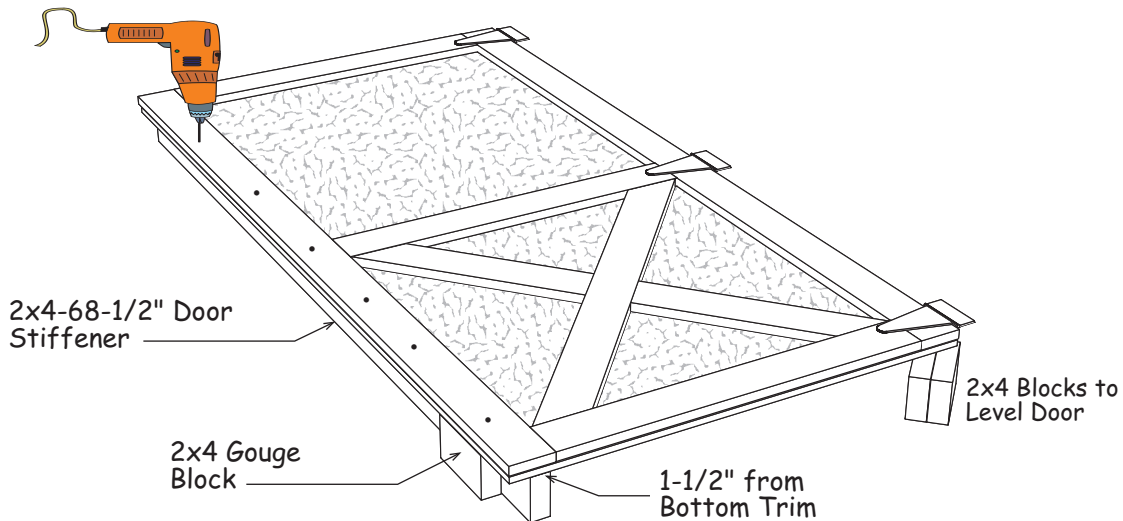
☞ Reverse the position of 2x4 and hinges if you want the door to open in the opposite direction

Step 26   Install Doors & Hardware
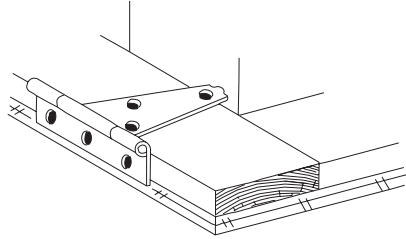
1. Lay the <u>left door</u> with the trim facing up. The siding on the left door <u>extends past the door trim</u>. See detail below.

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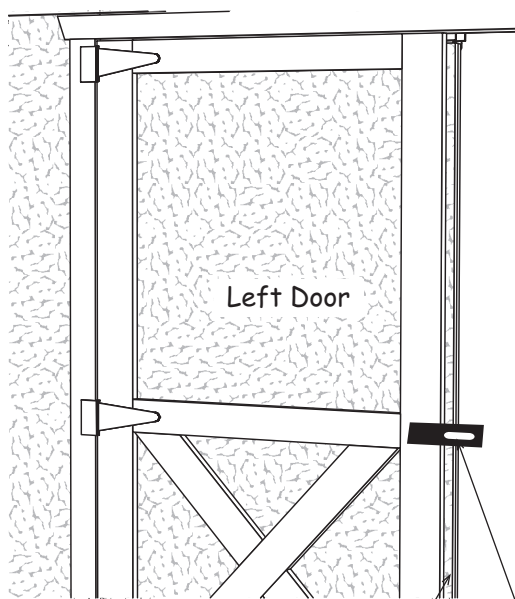
4. Before fastening the hinges to the side trim, temporarily prop the doors in the opening. Leave a space at the top and bottom of the doors and between the doors and the side trim to allow room for the doors to expand due to humidity.

   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.

Left Door

Siding Extends Past Trim
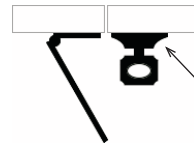
Fold Hasp to Cover Screws

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.

Step 27　　Install Roofing — Not Supplied in Kit

1. Install metal roof edging on the <u>perimeter of the roof area</u>. 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.

Building Size		Material List	
16' x 12'	20' x 12'		
9 bdl.	11 bdl.	Roof Shingles	*by Owner*
8 pcs.	9 pcs.	Roof 'drip' Edge-10'	*by Owner*

Packing List for 4' Extension Kit

2	Collar Ties	2x4	82"		2	Sidng Panels	3/8	48" x 75-3/4"
4	Rafters	2x4	80-1/2"		2	Soffit Panels	3/8	48" x 7"
9	Wall Studs	2x4	72"		2	Roof Sheathing	7/16"	48" x 85-3/4"
2	Wall Plates	2x4	48"		1	Lb.	10d Sinkers Nails	
4	Wall Plates	2x4	24"		1	Lb.	6d Common Nails	
4	Soffit Blocks	2x4	5" approx.		4	ea.	H1 Truss Hangers	
2	Fascia Trim	1x4	48"					
4	Gussets	7/16	8" x 16"					

Easton 12x16 Material List

7	2x4 for Collar Ties		82"
18	2x4 for Truss Rafters		80-1/2"
4	2x4 for Wall Plates		80-1/4"
51	2x4 for Wall Studs & Plates		72"
5	2x4 for Wall Plates		68-1/2"
2	2x4 for Door Header		67-1/2"
4	2x4 for Wall Plates		48"
4	2x4 for Wall Plates		34-3/4"
4	2x4 for Gable Studs		23-1/2"
2	2x4 for Door Header		31-1/2"
22	2x4 for Soffit Blocks		5" or longer
14	Truss Gussets	7/16"	8" x 16"
2	OSB Gusset	3/4"	3-1/2" x 32"

1	ea	Pre-built Doors	28" x 71-3/4"
2	ea	Pre-built Doors	32" x 71-3/4"

LP Primed Exterior Siding

9	ea	Siding Panels	48" x 75-3/4"
4	ea	Siding Panels	24" x 75-3/4"
2	ea	Siding Panels	16" x 75-3/4"
2	ea	Siding Panels	9-3/4" x 75-3/4"
2	ea	Gable Siding	48" x 40" *angle cut*
4	ea	Gable Siding	48" x 28" *angle cut*
9	ea	Soffit Panels	48" x 7"
6	ea	Filler Panels	48" x 4-1/4"
3	ea	Siding Panels	48" x 4-1/4"
4	ea.	Siding Fillers	3-1/2" x 2-1/2"
1	ea	OSB Door Filler	3-1/4" x 67-1/4"
1	ea	OSB Door Filler	3-1/4" x 31-1/4"

3	1 lb. box	10d	Sinkers	
2	1 lb. box		Hanger Nails	
5	1 lb. box	6d	Galv.	
3	1 lb. box	6d	Common	
9	ea.	5"	Door Hinges	
2	ea.	4"	Door Latch	
2	ea.	6"	Barrel Bolts	
38	ea.	2"	Hinge Screws	
38	ea.	1-1/4"	Hinge Screws	
45	ea.	1-1/2"	Exterior Screws	
115	ea.	2-1/2"	Deck Screws	
16	ea.	3/4"	Pan Head Screws	
6	ea.	1"x4"	Metal Plates	
14	ea.	H1 Metal Truss Hangers		
4	ea.	1x4 Gable Trim	82-1/2"	
4	ea.	1x4 Fascia Trim	72"	
2	ea.	1x4 Fascia Trim	52"	
4	ea.	1x4 Corner Trim	75-3/4"	
4	ea.	1x3 Corner Trim	75-3/4"	
6	ea.	1x4 Wall Trim	46-3/4"	
4	ea.	1x3 Door Trim	72"	
1	ea.	1x3 Door Trim	35"	
2	ea.	1x6 Keystone	8-1/2"	

Roof Sheathing

4	ea.	Sheathing 7/16"	48" x 72"
2	ea.	Sheathing 7/16"	48" x 51"
2	ea.	Sheathing 7/16"	36-1/2" x 75"
2	ea.	Sheathing 7/16"	36-1/2" x 72"
2	ea.	Sheathing 7/16"	36-1/2" x 48"