

IMPORTANT INFORMATION ABOUT YOUR SHED KIT

Thank you for your purchase. I want you to be completely satisfied with your building. The 2x4s are imported from Europe. Their lumber is the highest quality available, they grade lumber all four sides. If you are dissatisfied with any lumber, we will replace it.

Read the instructions before starting the assembly of the building. If you have any questions about assembling the kit, call 800-245-1577. Business hours (8:00-5:00 ET) Monday thru Friday. After business hours call 724-866-HELP (4357) or email to help@barnkits.com.

The material that is included in our kit is listed on the back page. The optional floor package, if purchased, will be supplied by a local lumber supplier.

You will need to purchase the finish roof covering (shingles or metal panels) locality. Refer to **Step 20** for information on suggested material. The siding is primed. You will need to apply a finish coat using latex acrylic paint.

Some of the framing lumber was used in the shipping pallet. Unpack the material from the pallets, then unscrew the top 2x4s. The bit for the screws is packed in the hardware bag. The 2x4s will be used for wall bracing and tie plates.

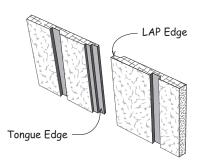
Most buildings are installed on a wood floor and the siding was designed to extend over the wood flooring. If the foundation is a concrete floor cut the siding flush with the bottom of the wall plate to prevent the concrete from contacting the siding.

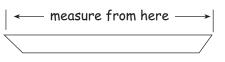
Stacking the boards, according to size, will make them easier to find when needed. **Do Not** discard any material until your building is complete.

Before building, obtain a building permit and check all pertinent building code regulations.

The siding is made in 4x8 sheets with grooves cut into the face, the long edge is beveled so that the siding overlays where they butt.

To identify which edge we want you to use, we will refer to the edge as either the 'LAP' Edge or the Tongue Edge. Nail siding with 8d galv. nails, spaced 12" apart.





When measurements are given for a board length, it is from the longest side.

Tool List

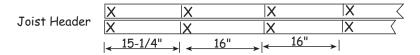
☐ Hammer & Phillips Screwdriver	Power Drill/Screwdriver
☐ Framing Square & Level	Measuring Tape
☐ Hand Saw	1 - 6' amd 1 - 8' Step Ladder

Always wear safety glasses when cutting or nailing!

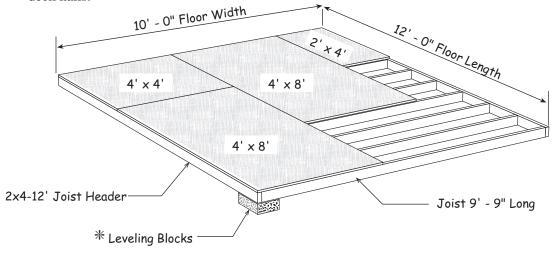
Construction Details for Optional Floor System

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. Treated lumber is not cut to exact length. Cut (2) two 2x4-12' boards to 12'-0". Layout for 16" on center joist spacing. 'X' marks where floor joist will be placed.



- 2. Cut (10) ten 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 12'-0" building width.*
- 3. Install the floor joist, *over the 'X' marks*, between the 12' long joist headers. Use 16d galv. deck nails.



* If necessary use bricks, patio stones or similar material to level or provide additional support to the floor. If your ground has low areas consider adding gravel and or 4x4 treated timbers to rest the floor on. If you use 4x4 timbers you will need (3) three pieces 12' long.

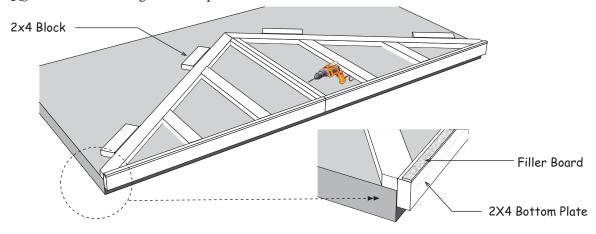
It is important that the floor be level and square. Before nailing the flooring, measure the floor diagonally (corner to corner). Then measure the opposite corners. These measurements will be the same if the floor is square (187-1/2").

Material Description	10' x 12' Floor
2x4 Treated Headers	2 pcs. 12'
2x4 Treated Floor Joist	10 pcs. 10'
Flooring 5/8" 4x8	4 pcs. 4x8
8d Screw Floor Nails	1 lb. 8d
16d Galv. Box Nails	1 lb. 16d

Step 1 Assemble Upper Roof Gable

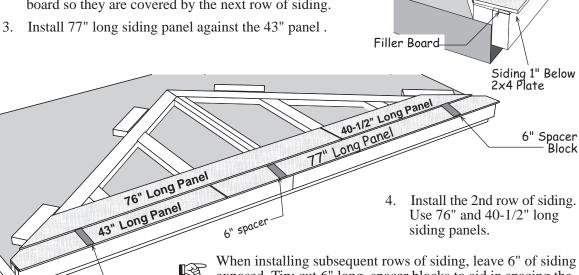
1. Select a left and right pre-built gable frame. Positions gable frames on the floor as shown below. Screw the frames together using (4) four 2-1/2" long deck screws. Temporarily screw 2x4 blocks to the floor. There are short 2x4 blocks, *that may have an angle on one end*, supplied in the kit. This will trap the gable frames and aid in the assembly. Use 2-1/2" deck screws.

Nails and wood gussets are packed between the doors.



2. Install a 43" long siding panel, flush at the left end and extending 1" below the 2x4 bottom plate. Nail siding to the 2x4 frame, along the top edge with 6d galv. nails. The nails should be placed 1" from the top of the siding board so they are covered by the next row of siding.

6" spacer



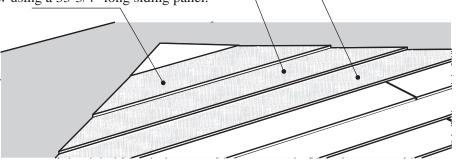
When installing subsequent rows of siding, leave 6" of siding exposed. Tip; cut 6" long spacer blocks to aid in spacing the siding correctly. Any irregularities on siding tips will be covered by gable trim. Installed later.

Step 1 Assemble Upper Roof Gable Continued

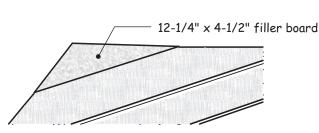
- 5. Install the 3rd row of siding. Use 32-1/2" and 67-3/4" long siding panels.
- 6. Install the 4th row using a 59-3/4" and 24" long siding panels.

 3rd Row Siding

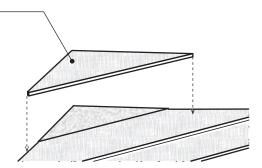
 67-3/4" Siding Panel
- 7. Install the 5th row of siding using a 67-1/4" long siding panel.
- 8. Install the 6th row using a 50-3/4" long siding panel.
- 9. Install the 7th row using a 33-3/4" long siding panel.



- 10 Install a 12-1/4" wide x 4-1/2" long OSB filler at the top of gable. This filler board will enable the last piece of gable siding to be installed flat (not angled) so the gable trim will fit properly.
- 11. Install the last, 17-1/2" siding panel.

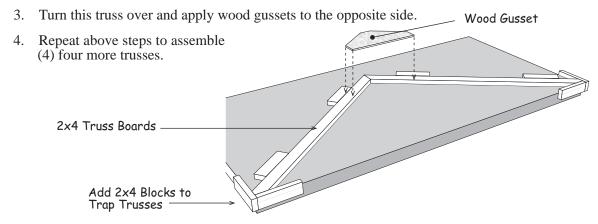


12. Repeat steps to assemble the other gable.



Step 2 Assemble Roof Trusses

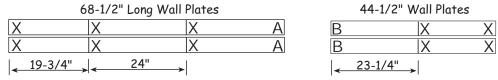
- 1. Place (2) two 75-3/8" long 2x4 truss boards together, inside the 2x4 blocks, as shown below. Add (4) four more 2x4 blocks at corners to trap truss bottoms.
- 2. Secure the tops together with a wood gusset. Nail the gusset to the 2x4s with 6d common nails. Use 14 nails per gusset. Angle nail slightly so nails do not protrude through the 2x4 boards.



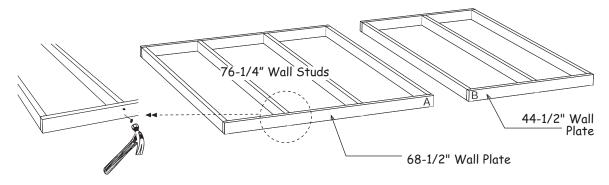
5. Remove 2x4 blocks.

Step 3 Assemble Sidewalls

1. Position (2) two 2x4-68-1/2" and (2) two 44-1/2" long 2x4s and indicate with an 'X' where the wall studs will be located. Mark the ends that will butt together with and 'A' and 'B'.



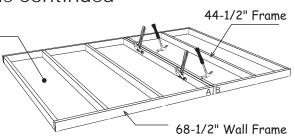
2. Install 76-1/4" long wall studs, between the wall plates, over the 'X' marks. Use (2) two 10d sinkers at each end of stud.



Step 3 Assemble Sidewalls Continued

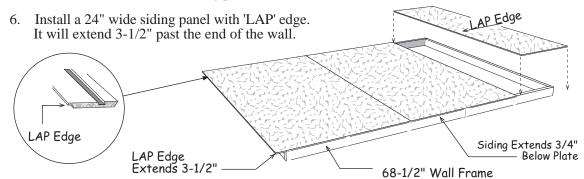
3. Nail both wall frames together with the small stud spaces towards the ends of the wall.—

Use (4) four 10d sinkers on each side of the double studs.

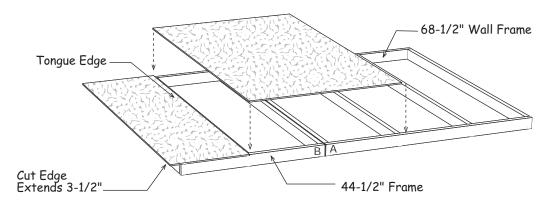


IMPORTANT: Select 80-1/2" Long Siding For these Steps

- 4. Square wall frame. *Measure diagonally (corner to corner). The measurements will be the same (138") when the wall is square.* Install a full width siding panel with the 'LAP' edge extending 3-1/2" beyond the end of the wall end of the wall frame. The siding will extend 3/4" below the bottom plate and 1/2" above the top plate. Use 8d galv. nails spaced 12" apart.
- 5. Install another full width siding panel.

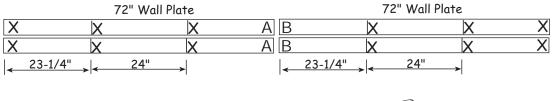


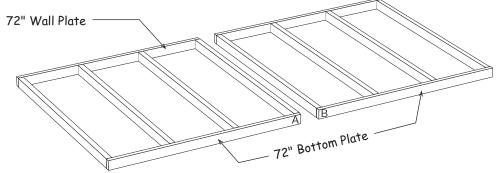
- 7. Repeat steps 1-3 to assemble another side wall panel. Flip frame so the 44-1/2" frame is located on the left end as shown below.
- 8. Install a 24-3/4" panel with 'Tongue' edge so the cut edge extends 3-1/2" past the wall frame.
- 9. Install (2) two full width siding panels. The last panel will extend 3-1/2" beyond wall frame.



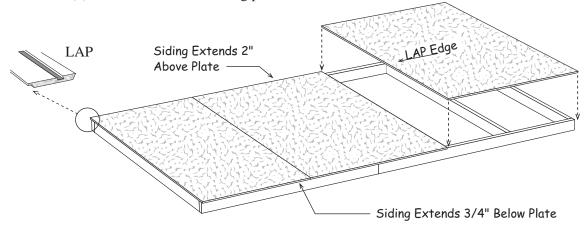
Step 4 Assemble Back Wall

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

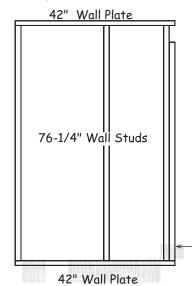




- 2. Install 76-1/4" wall studs between the top and bottom plates.
- 3. Nail both wall frames together. Square wall frame (164-3/8" diagonally).
- 4. Install full width siding panel with the 'LAP' edge flush with the end of the wall. Siding will extend 3/4" below the bottom plate and 2" above top plate.
- 5. Install (2) two more full width siding panels.



Step 5 Assemble Front Wall



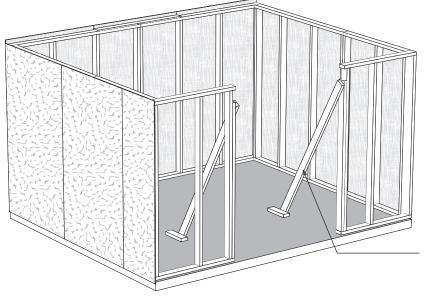
- 1. Cut (2) two 72" long 2x4s to a length of 70-3/4" for header support.
- 2. Position (2) two 2x4-42" boards together and indicate with 'X' marks where the wall studs and header support will be located.

- 3. Install (3) three 76-1/4" wall studs between top and bottom plates. Nail 70-3/4" long 2x4 cut above to last wall stud.
- 4. Repeat steps 2-3 to assemble another wall frame.

— 70-3/4" Header Support

Step 6 Set Walls

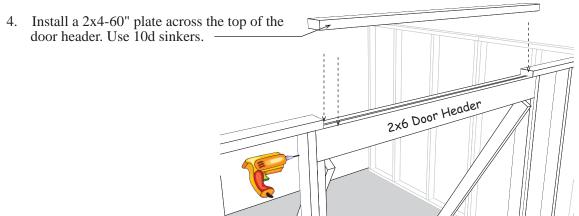
- 1. Secure wall panels together at the corners. Use (4) four 10d sinkers per corner. Nail wall panels to the floor. Nail through the bottom plate. Space 10d sinkers 24" apart.
- 2. Disassemble the shipping pallets and remove the (4) four 2x4s from each pallet. The bit for the screws is in the hardware bag. Use (2) two to brace the walls to hold them straight. Save the other 2x4s, they will be used for tie plates in a later step.



Install 2x4s, from the pallet, to hold the wall straight.

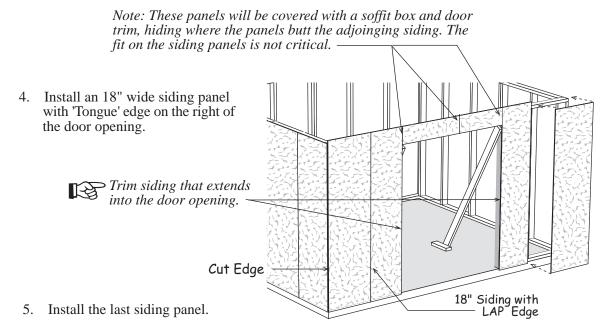
Step 6 Set Walls Continued

3. Install the 63" 2x6 door header between the front wall panels. Use (2) two 2-1/2" deck screws on each end of the header.



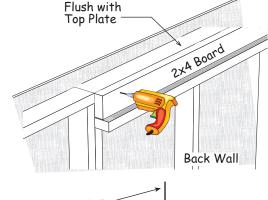
Step 7 Install Siding on Front Wall Farmes

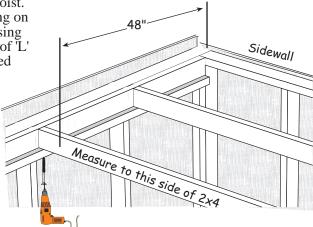
- 1. Select a 24-3/4" siding panel with a 'Tongue' edge and install it on the left corner with the cut edge flush with the sidewall.
- 2. Install a 18" siding panel with 'LAP' edge next. 'Cut' edge should be flush with door opening.
- 3. Install (2) two 30" x 9" siding panel over the door header.



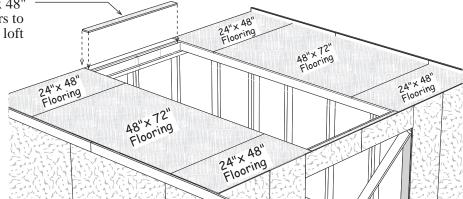
Step 8 Install Loft Floor

- 1. Install a 68-1/2" long 'L' shape board on the back wall with 2x4 board flush with top wall plate. Butt against right sidewall. Use 2-1/2" long deck screws. Screw into 2x4 top plate every 24" and into each stud.
- 2. Install another 'L' shape board next to the one installed above.
- 3. Repeat to install the 'L' shape boards on the front wall.
- 4. Install (2) two 110" long 2x4 loft joist between the 'L' shape boards. Install the 1st loft joist. Measure 48" from the inside of the siding on the sidewall to outside of 2x4. Secure using 2-1/2" long deck screws through bottom of 'L' shaped boards. Install a 2nd joist centered between joist and wall.
- 5. Repeat above step to install (2) two floor joist at the opposite end of the building.



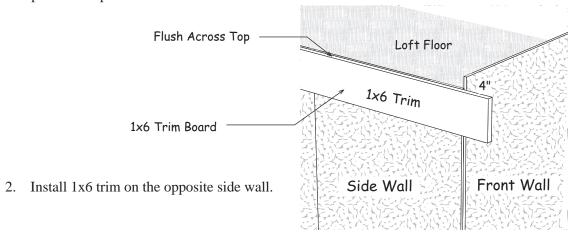


- 6. Install 7/16" OSB loft flooring over loft floor joists. Install flooring flush with outside of top wall plate. Use 7d sinkers spaced 12" apart. See layout pattern below: Note; because of the narrow width, do not stand on the 24" wide floor panel.
- 7. Install 3-1/2" x 48" long floor fillers to fit between the loft flooring.



Step 9 Install Sidewall Trim

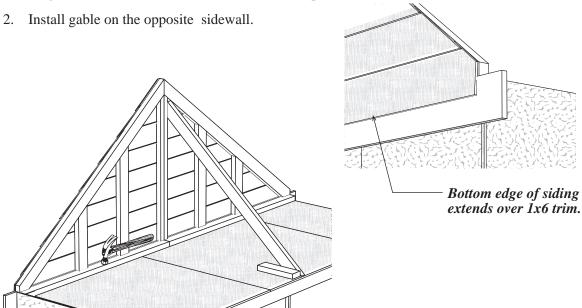
1. Install (2) two 1x6-64-3/8" trim boards, on the side wall, flush with the top of the loft flooring. The 1x6 will extend 4" beyond the siding on the front wall and back wall. Use 8d galv. nails, spaced 12" apart.



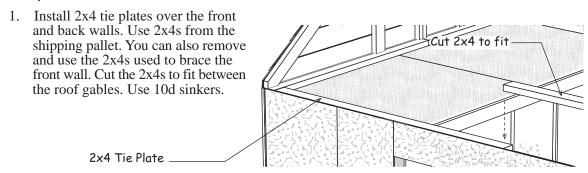
Step 10 Install Gables

1. Install a gable on the left side wall. The gable siding will extend over and butt against the 1x6 trim on the lower wall.

Secure gable to wall by nailing through the gable plate with 10d sinkers. If windy, brace the gable to secure it. Use a 2x4 from one of the pallets.

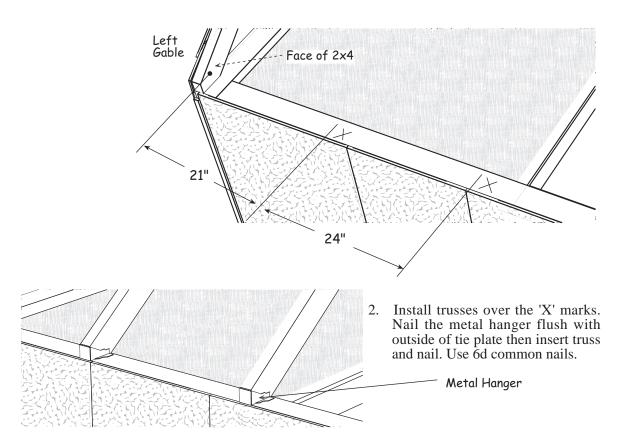


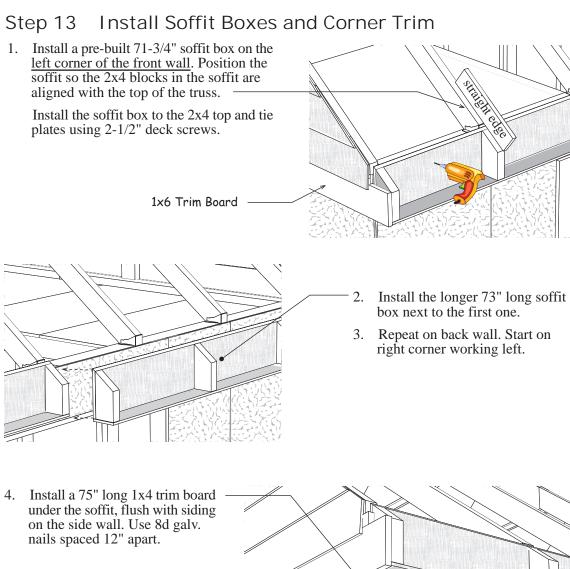
Step 11 Install Tie Plates

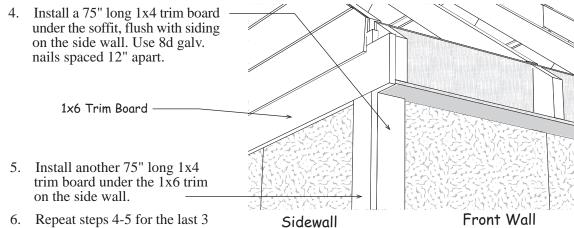


Step 12 Install Roof Trusses

1. Starting at the left gable, measure from the face of the 2x4 when marking the location of the first truss. Trusses are spaced 24" on center. **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. Note: The last truss space will be wider than 21".



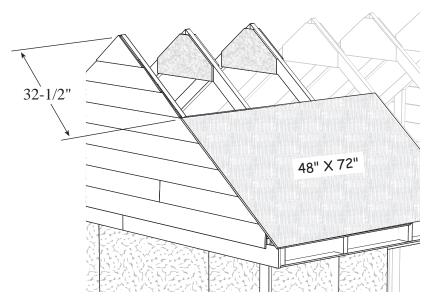




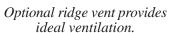
corners.

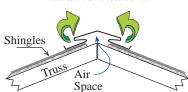
Step 14 Install Roof Sheathing

1. The gable and trusses should be plumb before installing the roof sheathing . Install a 48" x 72" piece of roof sheathing on the lower front left corner. The sheathing should end in center of the 3rd truss and 32-1/2" from the peak of the trusses. The sheathing may not overlap all the lap siding on the gable. Use 7d sinkers, spaced 12" apart.

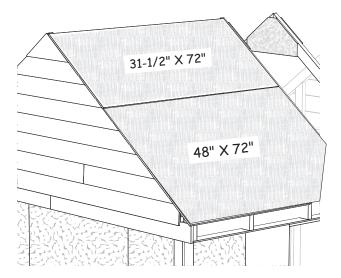


2. Install a 31-1/2" x 72" roof panel at the top. The top row of roof sheathing will be about 1" below the ridge to allow for optional ridge venting. See detail below.





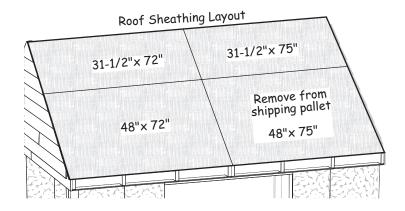
The upper row of roof sheathing will not reach the peak to allow for ventilation if ridge vent is installed.



Step 14 Install Roof Sheathing Continued

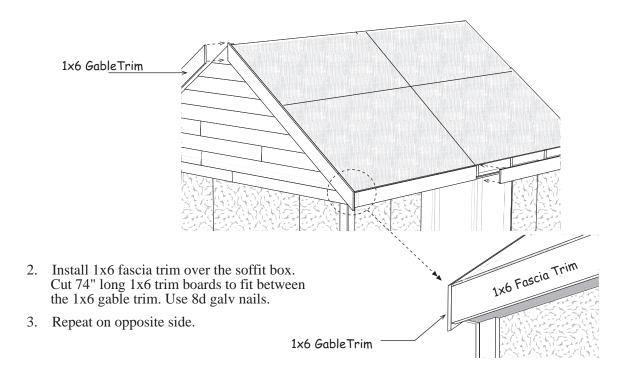
- 3. Remove from pallet a 48" x 75" OSB sheet. Install roof sheathing per the layout below.
- 4. Install sheathing on the opposite side. Mirror layout of front side.

Building Tip; If you are installing metal roof panels, you may want to install metal panels on the front roof area before installing the roof sheathing on the back side. This will provide a working space to stand when installing the font metal panels.

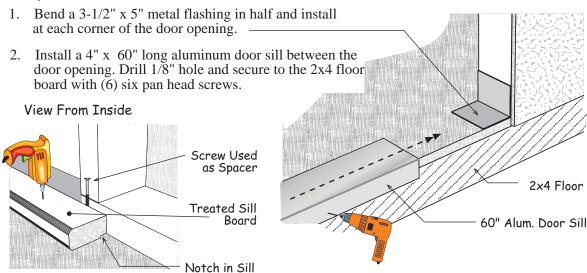


Step 15 Install 1x6 Gable & Fascia Trim

1. Install 1x6 gable trim flush with the top of the roof sheathing. The gable trim should extend 3/4" beyond the soffit box to receive the 1x6 fascia trim installed next. Use 8d galv. nails.

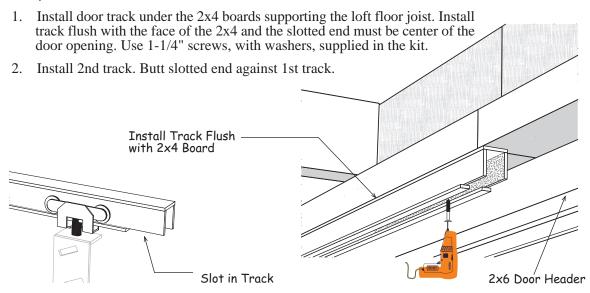


Step 16 Install Door Sill



- 3. Install a 2-1/2" x 63" Treated Sill Board over the aluminum sill. There needs to be a space between this board and inside wall frame. This space receives the bottom of door track. Insert a 2-1/2" screw between the Treated Sill Board and the inside wall as a spacer. Screw the board to the floor with 2-1/2" long screws. Remove the screw used as a spacer.
 - Building Tip; run a bead of caulking where flashing, treated sill and aluminum sill meet to prevent moisture from penetrating.

Step 17 Install Door Track

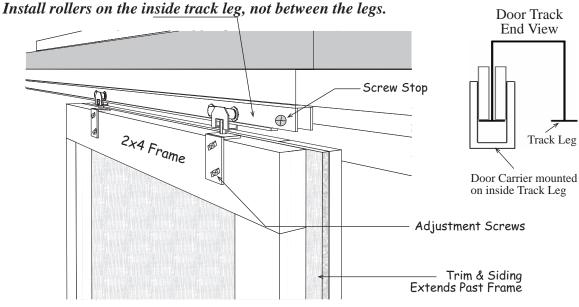


Step 18 Install Doors

1. Locate the door with the siding and trim extending past the 2x4 frame, *see detail below*. Hang this door on the left when standing inside of the building.

Slide the rollers on the track as shown below. If necessary, adjust door so the bottom of the door does not rub on the treated threshold. To adjust the door height, loosen two screws that secure the carrier to the door. Adjust height and tighten the screws.

Inserting a screw, *shown below*, will prevent the doors from falling through the opening between the track. Insert another screw at the rear of the track.

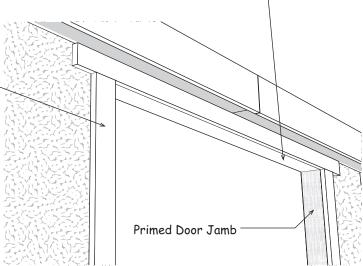


- View From Inside
- 2. Hang the other door. Install a sliding latch on the lower back of the door to secure this door in place when closed. You will need to drill a hole in the Treated Door Sill for the round shaft to drop into.
- 3. A metal bar with a slight bend is provided to help align doors eveningly when closed. This may be mounted on either door as necessary. Place bend flush with door edge. Use 1-1/4" pan head screws.
- 4. Install the door handles and door hasp on the outside of the doors.



Step 19 Install Door Jamb & Trim

- 1. Cut to fit a 3-7/8" wide primed door jamb material under the door header flush with the face of the siding. Use 6d galv nails.
- 2. Install (2) two 3-7/8" x 71-1/2" long primed door jamb material on the sides of the door opening, flush with the face of the siding.
- 3. Install 72-1/2" long 1x4 door trim on each side of the door opening flush with top of door opening. Use 8d galv. nails
- 4. Install a 70" long 1x3 trim centered across the top of the door opening.



Step 20 Install Roofing — Not Supplied in Kit

If you are installing shingles, install metal roof edging around the perimeter of the roof area. Follow the instructions on the shingle wrap. If you need more detailed instructions there are good publications at book stores or 'youTube' videos on the web. If you are not installing shingles at this time, you can purchase felt paper to protect the roof sheathing. Otherwise, check the manufacturer's instructions if felt paper is necessary. Install the felt paper before you install the metal roof edge.

If you are installing metal roof panels, refer to the information in the box below when ordering. Install the roof panels per the instructions provided by the manufacture.

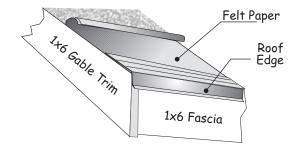
Finish Roof Covering

Roof Shingles

7 bdl. shingles & 6 pcs. drip edge

Metal Roof Panels

Rafter Length	6' - 9".
Roof Length	
Roof Pitch	



Brookhaven 10' x 12' Shed Kit

Packing List For Material Shipped in Cardboard Wrap

	1 0000000		. Hand the stripped the control of the dip
4	2 x 4	110"	Loft Floor Joist

April 4, 2016

Packing List For Material Shipped on 42" Wide Pallet

N. 9	Packing List For Material Snippea on 42					
	2x4 Framing & Trim					
28	2 x 4	76-1/4"	8	1 x 4	75"	
10	2 x 4	75-3/8"	2	1 x 4	72-1/2"	
5	2 x 4	72"	1	1 x 3	70"	
4	2 x 4	68-1/2"	4	1 x 6	64-3/8"	
4	2 x 4	44-1/2"	4	1 x 6	74"	
4	2 x 4	42"				
8	8 2 x 4 Blocks 10" to 12" for truss jig					
	Primed Lap Gable Siding					
2	pcs. 77" 2 pcs. 43"					
2	pcs. 76" 2 pcs. 40-				40-1/2"	
2	pcs.	67-3/4"	2	pcs.	33-3/4"	
_ 2	pcs.	67-1/4"	2	pcs.	32-1/2"	
2	pcs.	59-3/4"	2	pcs.	24"	
2	pcs.	50-3/4"	2	pcs.	17-1/2"	
2	pcs. 4-1/2" x 12-1/4" fillers					
3	3 Primed Door Jamb 3/8" x 3-7/8" x 71-1/2"					

wide I dilei					
	Hardware				
1	Door Hasp	3	lb. 10d Sinkers		
2	Door Handles	3	lb. 8d Galv.		
1	Sliding Door Latch	3	lb. 7d Sinkers		
10	Truss Hangers	2	lb. 6d Common		
1	60" Alum Door Sill 1 lb. 6d Galv.				
2	Alum. Door Track	Pan Head Screws			
2	3"x5" Step Flashing	12	1-1/2" Screws		
2	Steel Door Guides	2	Bits for screws		
100	2-1/2" Deck Screws				
	Miscellaneous Material				
4	L' Shape 2x4 Floor Joist Headers - 68 1/2"				
2	Pocket Doors 32" x 72"				
1	Door Header 5-1/2" x 63"				
1	Sheathing 7/16" x 31-1/2" x 72"				
10	Wood Gussets for Trusses 12" x 22"				
4	2 x 4 - 78" - Attached to Shipping Pallet				

Packing List For Material Shipped on 49" Wide Pallet

	2x4 Framing				
1	2 x 4 60"	4	1 x 6	84"	
1	2 x 4 72"				
	Pre-Built Components				
4	Roof Gable Frames	48" x 60"			
2	Soffit Box Overhangs 8" x 4" x 73"			73"	
2	Soffit Box Overhangs 8" x 4" x 71-3/4"			71-3/4"	
	Miscellaneous Lumber				
1	Treated Door Sill 1-1/8" x 63"				
4	2 x 4 - 84" - Attached to Shipping Pallet				

	7/16" OSB Sheathing		
4	48" x 72"	1	312-1/2" x 72"
2	48" x 75"	2	31-1/2" x 75"
4	48" x 24	2	3-1/2" x 48"
	Primed Siding		
3	48" x 82"	4	48" x 80-1/2"
2	24" x 82"	2	24" x 80-1/2"
2	18" x 82"	2	9" x 30"