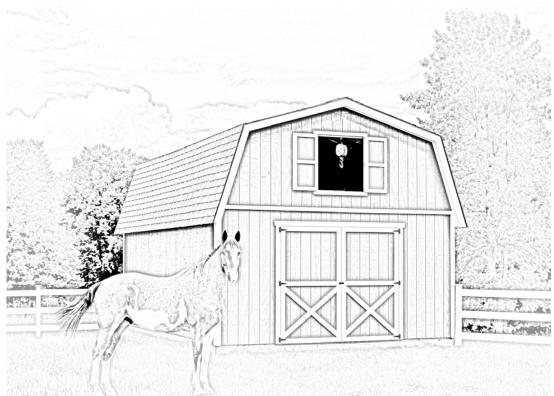


# Sentry Buildings

**Assembly Book** 

Revised October 10, 2024



the Roanoke

16'x28' Building

Manufactured by RBS Holdings, LLC

**205** Arlington Drive

Greenville, PA 16125

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## IMPORTANT INFORMATION ABOUT YOUR KIT

<u>Building Permits:</u> Check with your local HOA or building code office for any requirements, restrictions or permits necessary for construction.

**Foundation:** By owner. Refer to next page for foundation suggestions and size.

What's Included: Our package includes pre-cut materials for the 2nd floor roof gables, roof trusses, gable trim and pre-built loft and barn doors. The nails and hardware necessary to construct the lower walls are packed in the top of 'A' pallet. The other materials on the pallet will not be used until the first floor walls and loft floor are completed. This material is delivered, *curb side in covered van*, on two 4'x7' pallets. See back page for material list.

Framing lumber for the first floor walls and loft floor, exterior siding, loft flooring and roof sheathing will be delivered by a local supplier. This will be a separate delivery and you will be notified before that delivery takes place. Material is listed on the back pages. Someone will need to sign for both deliveries.

Owner Supplied: Roof shingles, metal roof edge, felt and ventilation accessories. See the back pages for quantity needed. Paint for siding and trim.

**Assembly Help:** Monday thru Friday 800-245-1577 8:00 to 5:00 ET

Weekend - after hours 724-866-4357

email to: questions@barnkits.com (normal business hours)

<u>Care of product prior to assembly:</u> Do no expose lumber and sheet goods to inclement weather. Assembly should begin promptly to prevent the twisting of lumber. Notify our company within 30 days of any damage or missing items for full replacement.

**Building Tips:** Follow the assembly Steps in sequence. Skipping steps will result in components not fitting properly. The nails, hardware and header material needed to assemble the lower walls and loft floor are packaged on the top of pallet 'A'. The other materials on the pallet will not be used until the first floor walls and loft floor are completed.

	Hand or Circular Saw	☐ Level	Phillips Screwdriver
	☐ Cordless Drill	☐ Measuring Tape	☐ Framing Square
T1-	Caulking Gun	☐ 8' & 10' Ladder(s)	☐ Hammer
Tools Required:	☐ Safetyglasses: Always we ☐ * Scaffolding	ear safety glasses when cu	tting or nailing!

\* You will need to rent (6) six sections of scaffolding to safely install the second floor material. Use safety harnesses when on the scaffolding. Consider hiring a professional roofer to install the shingles or metal roof. They have the knowledge and equipment to do the job properly.

## **Foundation Types & Measurements**

**Important**: You will need to have a proper foundation installed to support the building. Depending on the intended use determines what type of foundation is best.

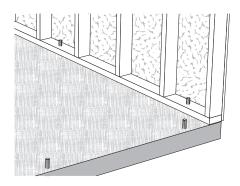
**Do Not** make the foundation larger than the building size. When installing the building on a concrete slab, install the siding flush with the bottom plate. When installing on a wood floor, extend the siding 3/4" below the bottom plate to cover the edge of the flooring.

**Foundation Types**: What foundation is best depends on what type of items will be stored. The building code in your area will also determine what type of foundation can be used. A few different types of foundations are shown below. Check the zoning and building code requirements in your area.

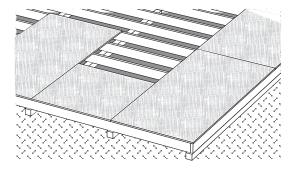
## Foundation Types

<u>Floating Slab</u> A concrete slab is ideal for storage of cars or other types of heavy items.

Wood Floor on Runners: Suitable for storage or workshop. Treated 6x6 lumber over a bed of gravel Floor joist should be treated 2x6 spaced 16" on center and covered with 3/4" tongue and groove wood flooring.



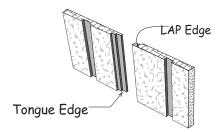
Floating Cement Slab



Wood Floor on Wood Runners

## **Exterior Siding Information**

**LP siding** has a 50 year warranty and is already primed. Apply two coats of latex acrylic paint for the finish coat. Paint the bottom edge of the siding, *this is important*. Maintain 6" to 8" of clearance from the bottom edge of the siding and the ground. Don't allow garden mulch to build up and keep shrubs a minimum of 1' away from the building.



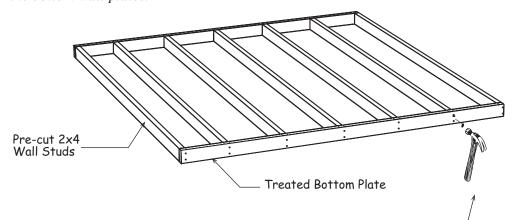
## Step 1 Assemble (2) Two 92-1/2" Rear Wall Frames

- 1. Cut (2) two 2x4-8' (one will be treated) to a length of 92-1/2". Position the boards together and indicate with 'X' marks where the wall studs will be located.
- 2. Mark a 'C' anywhere between first two stud marks. This is referenced in a later step.

		A					
92-1/2 Top Wall Plate [	X	c X		X		X	
92-1/2" Treated Bottom Plate	X	X		X		X	3
Stud Spacing>	<b>—</b>	11-3/4"	16"	<b>→</b>   <b>←</b>	16"	$\rightarrow$	

The length of pre-cut wall studs will vary from 92-1/4" to 93" depending on your locality.

**Note:** When building the lower walls, use treated 2x4s for the bottom wall plates.



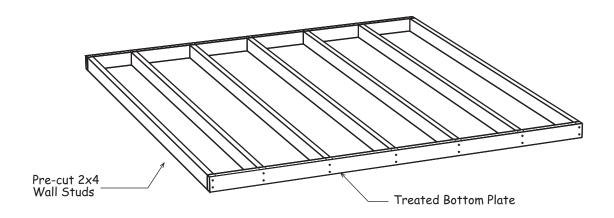
- 3. Install (7) seven pre-cut wall studs between the top and bottom plates. Nail the treated bottom plate to each wall stud with (2) two 16d galvanized deck nails. Use (2) two 10d coated sinker nails per stud to secure the top plate.
- 4. Repeat to build another 92-1/2' long wall frame.
- 5. Mark both frames 'Rear Wall Frames' and set frames aside.

## Step 2 Assemble (4) Four 8' Long Side Wall Frames

1. Select (2) two 2x4-8' (one will be treated) if necessary trim to a length of 96". Position the boards together and indicate with 'X' marks where the wall studs will be located.

96" Top Wall Plate 🗶	X	X	X
96" Treated Bottom Plate 🗶	X	X	<b>X</b> 3
Stud Spacing	15-1/4"	16" 16"	<b></b>

- 2. Install (7) seven pre-cut wall studs between the top and bottom plates. Nail the treated bottom plate to each wall stud with (2) two 16d galvanized deck nails. Use (2) two 10d coated sinker nails per stud to secure the top plate.
- 3. Repeat to build (3) three more 96" long wall frame.
- 4. Mark the frames 'Side Wall Frames' and set frames aside.



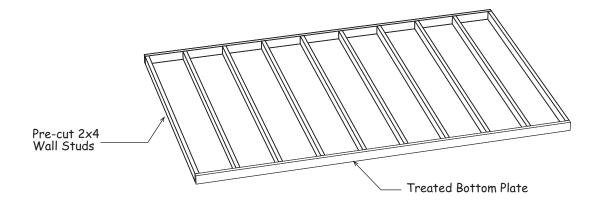
## Step 3 Assemble (2) Two 12' Side Wall Frames

1. Trim, *if necessary*, (2) two 2x4-12' boards (one will be treated) to a length of 144". Position the boards together and indicate with 'X' marks where the wall studs will be located.

144" Top Wall Plate	X	X		Χ		X	
144" Treated Bottom Plate	X	X		Χ		X	3
Stud Spacing>	·  -	15-1/4"	16"	<b>-</b>	16"	>	

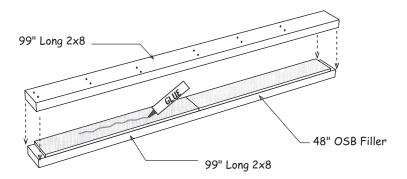
## Step 3 Assemble (2) Two 12' Side Wall Frames continued

- 2. Install (9) nine pre-cut wall studs between the top and bottom plates. Nail the treated bottom plate to each wall stud with (2) two 16d galvanized deck nails. Use (2) two 10d coated sinker nails per stud to secure the top plate.
- 3. Repeat to build another 144" long wall frame.
- 4. Mark both frames 'Side Wall Frames' and set frames aside.



## Step 4 Assemble Door Header

- 1. Cut (2) two 10' long 2x8 boards to a length of 99".
- 2. Locate a 24" x 48" OSB panel packed in our kit. *The panel is located below the hardware in 'A' pallet*. Cut (2) two 7-1/4" x 48" fillers to fit between the 2x8 boards.
- 3. Take OSB filler and install in the center of the 2x8 boards. Nail together using 10d coated sinkers. Use (12) twelve nails spaced evenly on each side.

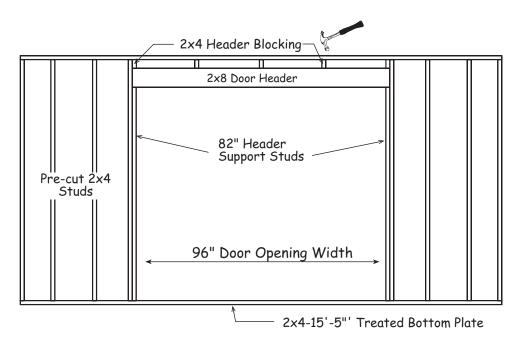


## Step 5 Assemble 15'-5' Front wall Door Frame

1. Cut (2) two 2x4-16' (one will be treated) to a length of 15'-5". Position the boards together and indicate with 'X' marks where the wall studs will be located and an 'S' where the support studs will be located..

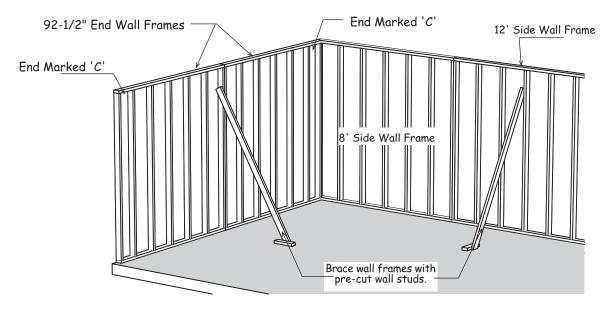
					15' - 5" Wall Plates				
Regular	Χ	X	X	X	Door Header	X	X	X	X
Treated	X	Χ	X	XS		SX	X	X	X
	11-3/4"	16"	13-3/4	<u>"</u>	96" Door Opening	<b>→</b>	13-3/4"	16"	11-3/4"

- 2. Assemble the front wall frame using the wall plates cut above and (8) eight pre-cut wall studs. Use 16d galvanized deck nails for the bottom plate and 10d coated sinkers for the top plate.
- 3. Cut (2) two pre-cut studs to a length of 82" and install them as header supports using (10) ten 10d sinkers. Install the 2x8 header by toe-nailing the ends to the adjacent studs with 10d sinkers.
- 4. From a pre-cut stud cut (5) five 2x4 blocks to fit between the door header and top plate. Evenly space blocks using 10d sinkers toe-nailed into the door header and top plate.

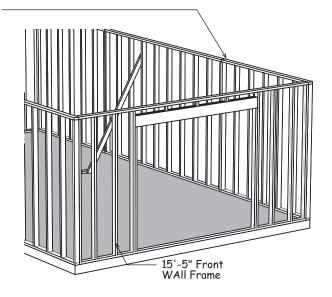


## Step 6 Set Wall Frames

- 1. Install one of the 92-1/2" rear wall frames against inside of a 8' side wall frame. Brace walls with pre-cut studs.
- 2. Install the other 92-1/2" rear wall frame to the rear wall frame. Nail the <u>rear wall frames</u> together where they butt with (8) eight 10d sinker (stagger nails on each side of the studs).
- 3. Install a 12' frame, next to the first 8' side wall frame. Nail frames together where they butt with (8) eight 10d sinkers (stagger nails on each side of the studs).

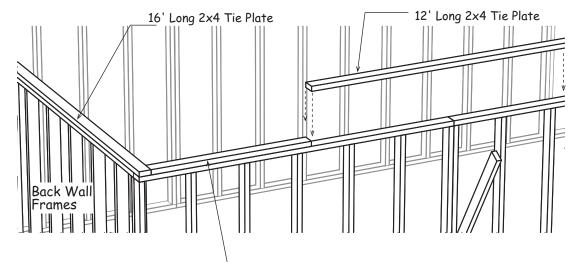


- 4. Install another 8' long side wall frame.
- 5. Install opposite side wall frames.
- 6. Install the front wall frame between the side wall frames. Secure frames together at the corner using (4) four 10d sinkers.
- 7. Nail frames to the floor using 16d Galv. spiral nails or, if erecting on a cement slab, concrete anchor bolts (*not included*) spaced 24" on center. Do not nail the 2x4 plate in the door opening.



## Step 7 Install 2x4 Tie Plates

- 1. Install a 16' long 2x4 on the back wall. Use 10d sinkers space 16" apart to secure tie plates.
- 2. Repeat to install a 16' long 2x4 tie plate on the opposite front wall.



- 3. Cut a 2x4-8' in half and install a 4' long 2x4 on the side wall. The 2x4 will butt against the 16' long tie plate on the back wall. Use 10d sinkers spaced 12" apart.
- 4. Install (2) two 2x4-12' boards on the same side wall frame. Cut the last board to fit.
- 5. Repeat to install 2x4 tie plates on the opposite sidewall frames.

## Step 8 Install Siding on Wall Frames



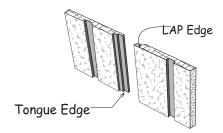
If a siding panel has a damaged edge, install this edge at a corner where it will be covered with corner trim.

Concrete Slab Foundation: Install siding flush with the bottom plate.

Wood Floor Foundation: Extend the siding 3/4" below the bottom plate.

## **Exterior Siding Information**

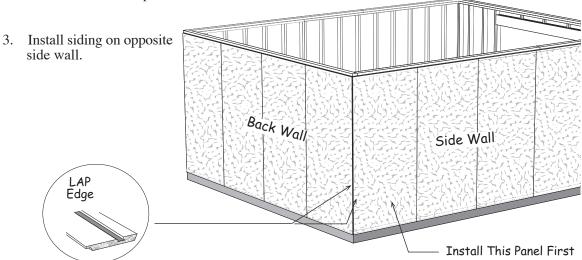
**LP siding** has a 50 year warranty and is already primed. Apply two coats of latex acrylic paint for the finish coat. Paint the bottom edge of the siding, *this is important*. Maintain 6" to 8" of clearance from the bottom edge of the siding and the ground. Don't allow garden mulch to build up and keep shrubs a minimum of 1' away from the building.



## Step 8 Install Siding on Wall Frames continued

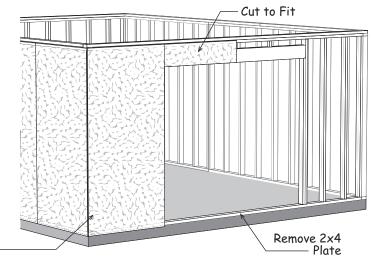
1. Install a full width siding panel on the side wall with the 'LAP' edge flush with the 2x4s on the back wall. Install (6) six more siding panels. If necessary cut last panel flush with 2x4s on front wall. Use 8d galv. box nails spaced 8" apart.

2. Install a siding panel on the back wall with the 'LAP' edge flush with the siding on the side wall. Install 3 more panels.



- 4. Install a full width siding panel on the front wall with the 'LAP' edge flush with the siding on the side wall.
- 5. Locate (2) two 14-1/2" x 48" siding panels. Cut these to fit above door opening. Make sure these are flush with bottom of door header.
- Install another full width siding on the right side of the door opening.
- 7. Cut and remove 2x4 plate that extends across the door opening. Save the 2x4, it will be used in a later step.

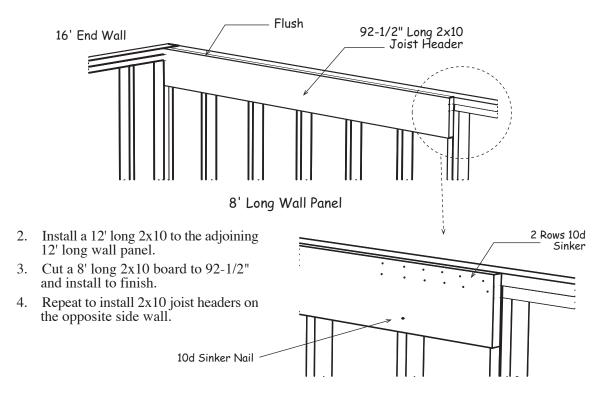
LAP Edge



## Step 9 Install 2x10 Joist Headers

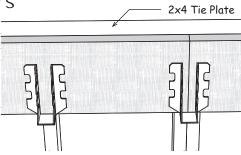
IMPORTANT: If you purchased the optional stair kit, <u>go now</u> to the instructions in the stair kit book to install the stairs, floor joist and flooring. Otherwise, modify the instructions on Step 11 to provide another way to access to the loft area.

1. Cut a 8' long 2x10 board to 92-1/2". Install this 2x10 to the 8' wall panel, against the 16' end wall panel. Install the 2x10 flush with the top of the tie 2x4 tie plate. Secure with (2) two rows of 10d sinker nails spaced 4" apart across the top 2x4 plates. Nail the 2x10 to each wall stud with one 10d sinker. See detail below.



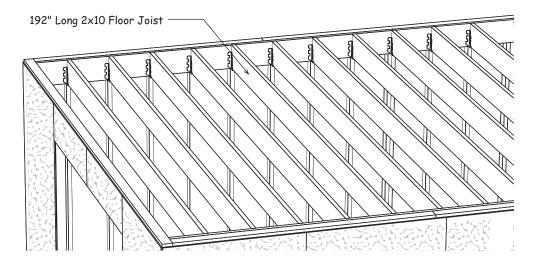
## Step 10 Install 2x10 Joist Hangers

Install metal joist hangers on the 2x10 joist header, directly above each wall stud. Where the wall panels but together install the hanger in the center of the wall studs. Install the hanger flush with the bottom of the 2x10 so the top of the floor joist will be flush wit the top of the 2x10. Install hangers with 1-1/2" hanger nails.



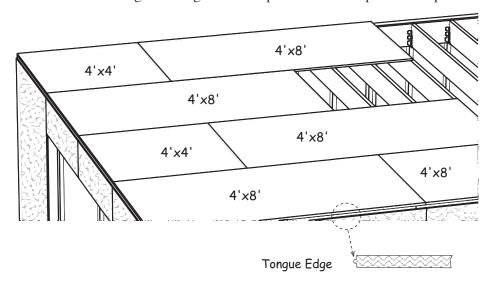
## Step 11 Install Floor Joist

Cut 2x10-16' boards to 182'' length and install between the side walls. Secure to joist hanger with 1-1/2'' hanger nails.



## Step 12 Install Loft Flooring

Starting at the front (door wall) install 3/4" T&G flooring with the 'Tongue' edge flush with the 2x4 tie plates on side walls. Stagger the seams in an alternating pattern (see below). Continue to back wall. Secure flooring with 8d galvanized spiral deck nails spaced 12" apart.

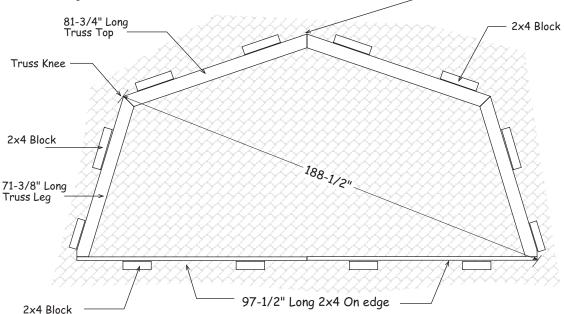


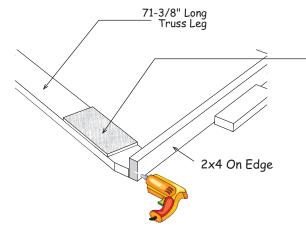
Step 13 Proceed to Step 16A to finish

#### Step 16A Assemble Rear Gable

Assemble the roof gables and trusses on the center of the loft floor. This will make it easier to stand the gable upright over the lower wall.

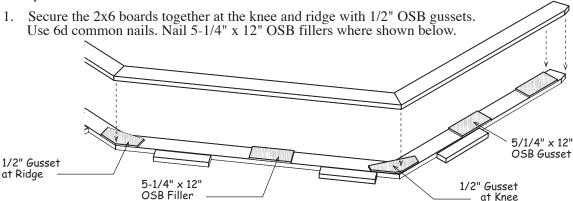
- 1. Cut (2) two 2x4-10' boards to a length of 97-1/2". Position these 2x4s, on edge and butt together.
- Position (2) two 81-3/4" long 2x6s and (2) two 71-3/8" long 2x6 boards on the 2x4 plates as shown below. The top 2x6 boards have blue marks on the ends. Position these ends together at the top.



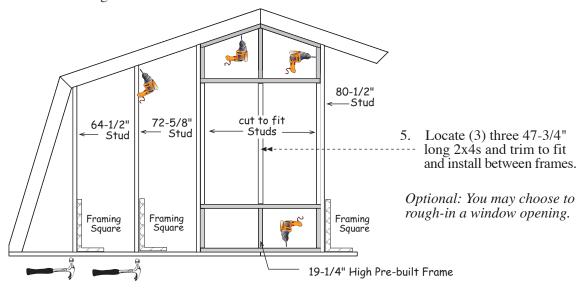


- Secure the truss leg to the 2x4 plate with (2) two 2-1/2" long deck screws.
- Install 5-1/2" x 12" OSB fillers on the 2x6 truss legs near 2x4 with 6d common nails. Exact spacing isn't important.
- Square truss. Measure diagonally from the knee of the 2x6 truss to the bottom corner of the 2x4 plate. The measurements will be the same (188-1/2") when the truss is square.
- Cut 2x4 removed from door opening into 10" long blocks. Tack nail or screw the blocks around the perimeter of the gable frame to prevent the gable from moving.

## Step 16B Assemble Rear Gable continued



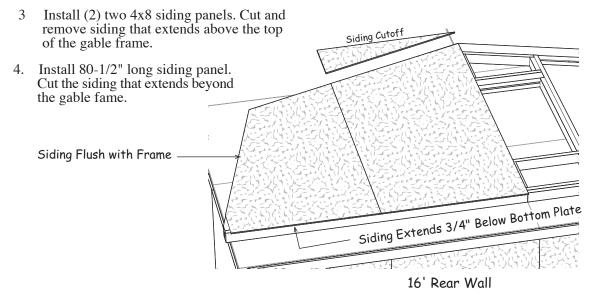
- 2. Place (2) two 81-3/4" and (2) two 71-3/8" 2x6s over the fillers. Secure using (6) six 10d sinkers where fillers are located.
- 3. Install a 21-3/4" high pre-built gable frame at the peak of the double row of trusses. Secure the frame to the 2x6 truss boards with (6) six 2-1/2" deck screws.
- 4. Position a 19-1/4" pre-built frame directly below the top frame. Use (2) two 80-1/2" long studs to help align the upper and lower frames. Use a framing square to ensure the studs are plumb. Screw bottom frame to 2x4 plate using 2-1/2" screws. Secure the 80-1/2" studs to the pre-built frames using 2-1/2" screws.



6. Install a 72-5/8" and a 64-1/2" wall stud on the left side of the gable frame. Use a square to ensure the studs are plumb. Nail to 2x4 bottom plate with 10d sinkers and screw to 2x6s with 2-1/2" screws. Repeat to install studs on right side of gable frame.

## Step 17 Install Siding on Rear Gable Frame

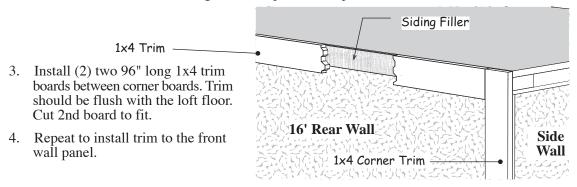
- 1. Stand up the gable frame and slide it to the rear of the building. Position the frame with the bottom towards the rear wall so it can be erected after the siding is applied.
- Install a pre-cut siding panel with the 'cut edge' flush with the left side of the gable frame. The siding should extend 3/4" below the bottom 2x4 gable plate. Install siding with 8d galv. nails.



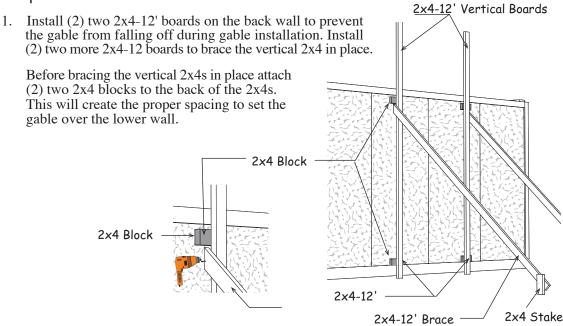
## Step 18 Install Trim on End Walls

### **IMPORTANT: Trim Must Be Installed Before Installing Roof Gables!**

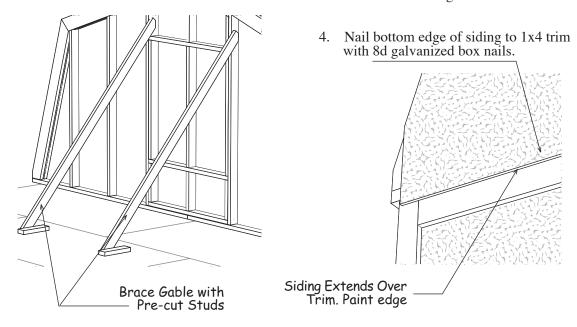
- 1. Locate (4) four 1-1/2" x 48-3/4" siding filler strips. Install these on top of the siding on the back wall. Use a few 8d galv. nails. Additional nails are applied below.
- 2. Cut and install (2) two 1x4-10' trim boards flush with top of floor and bottom of the siding. Install trim flush with the siding on the side walls. Use 8d galv. nails spaced 12" apart. All trim will be installed with 8d galv. nails spaced 12" apart.



## Step 19 Install Rear Roof Gable



- 2. Erect the gable on back wall. Be cautious and ensure gable siding extends over trim on back wall. Center gable with bottom 2x4 extending 1-1/2" past lower wall 2x4s on both sides. Nail to floor using 10d sinkers. Review **Step 18** for additional detail.
- 3. Remove the wall braces from interior walls and use them to brace the gable to the loft floor.

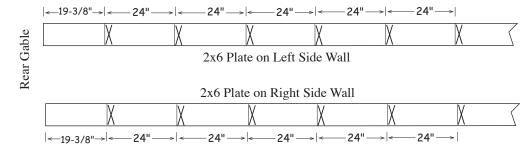


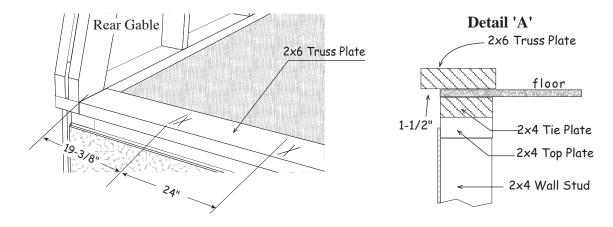
## Step 20 Assemble & Install Front Gable

- 1. Repeat **Step 13** to assemble front gable. **Do Not install** a 2x4 stud in the center of the opening if the loft doors will be installed in the opening later.
- 2. Stand up the gable frame and slide it to the front of the building. Position the frame with the bottom towards the front wall so it can be erected after the siding is applied.
- 3. Repeat **Step 14** to apply gable siding. **Note;** If you want to install the loft doors and trim as a decorative design do not cut and remove the siding from the center opening. Otherwise, cut and remove the siding from the opening.
  - You can install the loft doors before you erect the gable. Refer to **Steps 29 and 32** if you want to install the doors and trim now.
- 4. Remove the 2x4-12' boards used for bracing on back gable and repeat **Step 16** to install the front gable. Do not remove 2x4 blocks from floor. They will be used to assemble trusses.

## Step 21 Install 2x6 Truss Plates

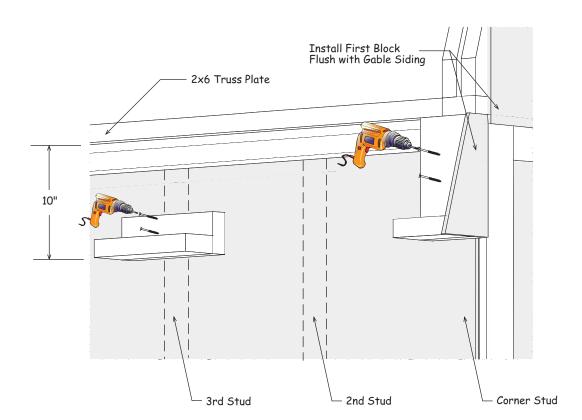
- 1. Install (3) three 2x6-7' and (1) one 2x6-8' as truss plates between the front and rear gable wall panels on each side wall. Cut the last 2x6 to fit. The 2x6 plates should project 1-1/2" past the 2x4 tie plate (see Detail 'A'). Nail 2x6s to the floor with 10d coated sinker nails; double row spaced 4" apart.
- 2. Starting at the rear gable indicate with 'X' marks where the trusses will be located. The last space will be wider than the first (19-3/8") space.





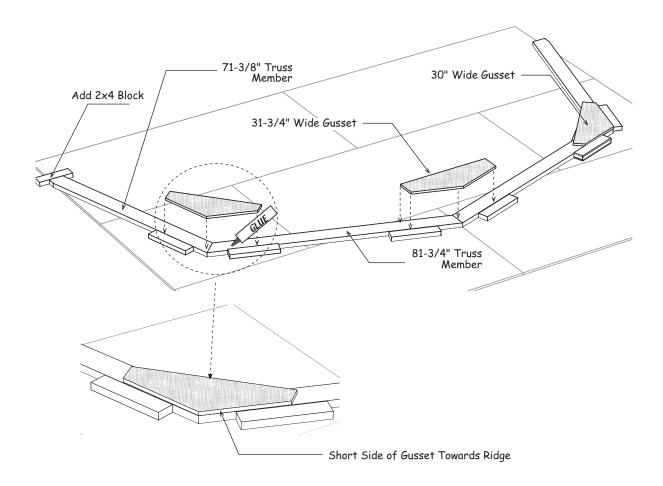
## Step 22 Install 2x6 Soffit Blocks

- 1. Locate (4) four pre-built 2x6 soffit blocks with siding attached. Starting from corner of the back wall position a soffit block with attached siding under bottom plate of gable and flush with face of gable siding. Secure to wall using (2) two 3" deck screws.
- 2. Locate 10" long pre-built 2x4 soffit blocks. Locate the third stud from the corner on the back wall. Center a soffit block over this stud with the 5" wide side facing down. Bottom of soffit block should be 10" from the underside of the 2x6 truss plate. Secure to stud with (2) two 3" deck screws. TIP: Use a 2x6 soffit block with siding as a gauge for proper distance.
- 3. Continue installing soffit blocks on every other stud down the length of the wall.
- 4. Install last block with attached siding flush with face of front gable siding.
- 5. Repeat on opposite wall.



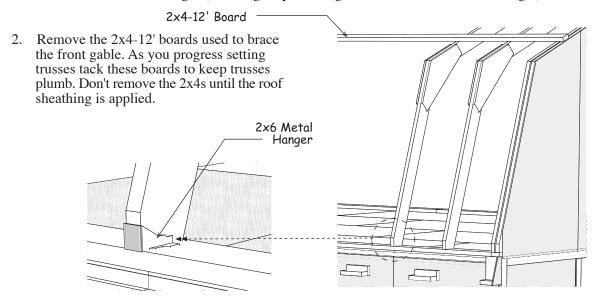
## Step 23 Assemble Roof Trusses

- 1. Lay truss parts inside the 2x4 blocks used around gable frames. One end of the 81-3/4" long 2x6 boards have a blue mark. Place these ends together at the ridge. Add a 2x4 block at the bottom of the truss legs to keep this 2x6 from moving.
- 2. Secure the 2x6 boards together using pre-cut gussets. Knee gussets are 30" wide. Ridge gusset is 31-3/4" wide. Take the gussets and the 2x6 boards and secure gussets with (3) three rows of 6d common nails spaced 6" apart. **Important**; when installing the gusset at the knee, install gusset with the shortest angled side towards the ridge. See detail at bottom of page.
- 3. Turn truss over and apply gussets to the other side. Set truss aside.
- 4. Assemble (12) twelve more trusses. Remove 2x4 blocks from floor.



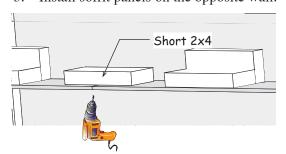
## Step 24 Install Roof Trusses

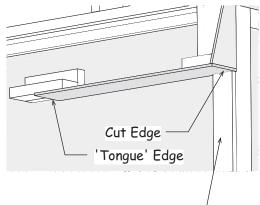
1. Install 2x6 hangers over the 'X' marks on the truss plate and flush with outside edge of 2x6. Use 1-1/2" joist hanger nails. Set truss legs into hanger. Use 10d coated sinker nails to secure the truss to the metal hanger (use hanger eyelets to guide the nails at the correct angle).



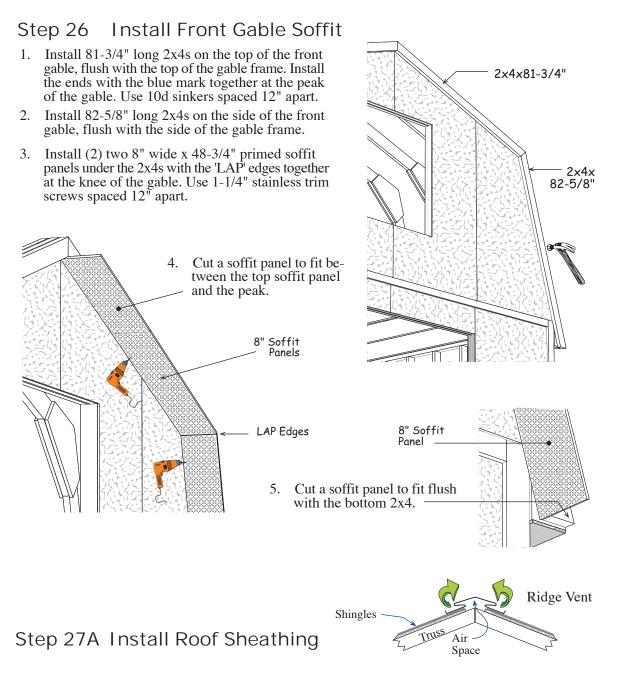
## Step 25 Install Soffit & Corner Trim

- 1. Gather (9) nine 5-1/2" x 48-3/4" primed soffit panels. Select (1) one soffit panel and measure from 'Tongue' edge and cut to a length of 33". Install primed side down with cut edge flush with face of siding on first soffit block. Secure to each block using (2) two 1-1/4" stainless trim screws.
- 2. Install full length soffit panels along the side wall. At every other seam secure a short 2x4 from cut offs with trim screws. Cut the last soffit panel flush with the face of siding of last soffit block.
- 3. Install soffit panels on the opposite wall.



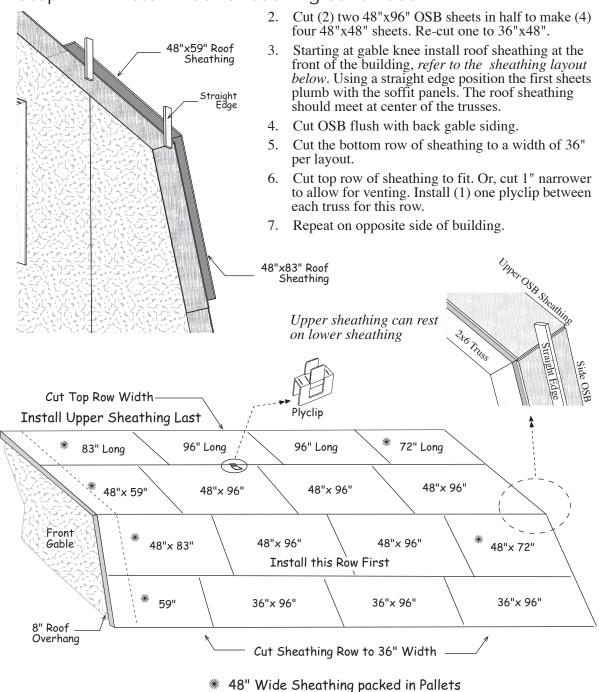


4. Install (4) four 1x4 corner trim/under soffit on side walls flush with front and back wall trim. Cut 1x4-8' trim boards flush with the bottom of the siding.

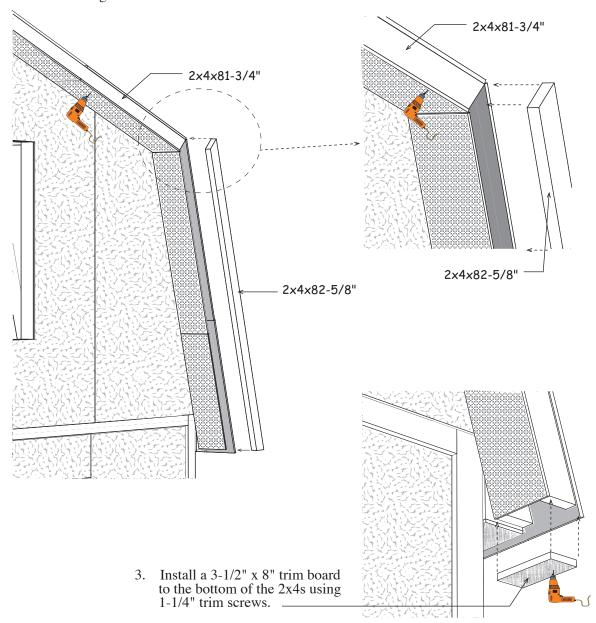


1. Make certain the trusses and the gables are plumb. If you are installing a ridge vent, cut the top row of roof sheathing 1" below the peak of the truss to allow air circulation through the ridge vent. *See detail above*. Install sheathing using 6d common nails spaced 9" apart.

## Step 27B Install Roof Sheathing continued



- Step 28A Install Gable Trim
   Insert a 81-3/4" long 2x4 between the soffit panels and the roof sheathing on the upper gable.
   Use 1-1/4" trim screws to secure the soffit panels to the 2x4s. Use 6d common nails to secure the roof sheathing to the 2x4s.
- Insert and secure 82-5/8" long 2x4s between the soffit panels and the roof sheathing on the side of the gable.



## Step 28 B Install Gable Trim continued

1. Install 82-1/4" long 1x6 trim boards at the top of the gable. Install the end with the blue marking at the ridge. Install 1x6 flush with the top of the roof sheathing. Use 8d galv. nails.

2. Install 84" long 1x6 trim boards at the side of the gable, flush with the roof sheathing.

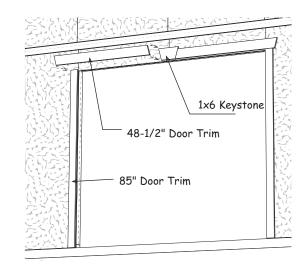
3. Repeat steps to install gable trim on the back gable.

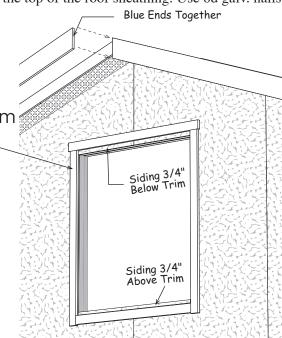
## Step 29 Install Loft Door Trim

- 1. Install (2) two 51-1/2" long 1x3 trim boards 3/4" above the opening and flush with the sides of the loft door opening. Use 8d galv nails.
- 2. Install a 51-1/2" long 1x3 trim board across the top of the loft door opening.
- 3. Cut and install a 51-1/2" long trim board to fit between the side trim. Install trim 3/4" below the door opening..

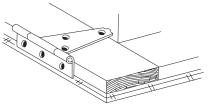
## Step 30 Install Door Trim

- 1. Install a keystone trim board 3/4" above the center of the door opening. Use 8d galv. nails. The exposed siding will serve as a door stop when the doors are closed.
- 2. Install 48-3/4" long 1x4 trim boards on each side of the keystone.
- Install (2) two 1x4-85" long trim boards flush to the sides of the door opening. Tack these boards with a couple nails, you may want to reposition the trim when you install the doors. The space around the doors will not be even If your door opening is out of square. You can remove and reposition 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. Use 8d galv. nails.

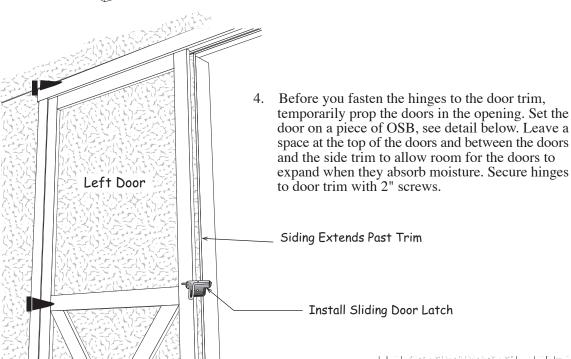




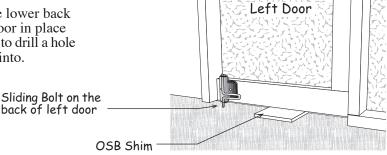
## Step 31 Install Doors



- 1. Lay the <u>left door</u> with the trim facing up. The 2x4 frame on the left door <u>extends</u> past the door trim. See detail below.
- 2. Install (3) three 6" hinges to the left side of the door frame. To position the hinge properly, hold the rectangular plate against the frame. To keep the frame from splitting, drill 1/8" holes. Use 2" black screws.
- 3. Install hinges to the right side of the other door.



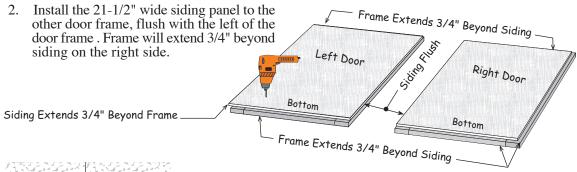
5. Install a sliding bolt, on the lower back of the door to secure this door in place when closed. You will need to drill a hole for the round shaft to drop into.

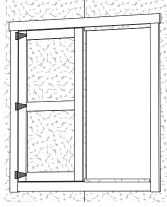


## Step 32 Install Gable Loft Doors

If you removed the siding from the opening in the front gable follow the directions below to install siding on the loft door frames. Suggestion; Paint siding and trim before assembling.

1. Lay both door frames on a flat surface. Install the 23" wide siding panel on the left door. Install siding, *back side facing up*, flush with the right side of the door frame. The siding will extend 3/4" beyond the left side of the frame. The top and bottom of the door frame will extend 3/4" beyond the siding. Use (20) twenty 1" screws. Label door as shown below.





- 3. Install 4" door hinges to the loft doors. Drill 1/8" holes to keep the frame from splitting. Use 1-1/4" black hinge screws.
- 4. Install the left door first. The siding on the left door extends beyond the door frame. Secure the hinges to the 1x3 trim with 1-1/4" screws.
- 5. Install the right door. Install barrel bolts, *to the back of door*, at the top and bottom to secure the doors closed. You will need to drill a hole for the round shaft to drop into.

# Install Roofing — Not Supplied in Kit

Install metal roof 'drip' edging along the perimeter of the roof. Install shingles according to the instructions on the wrapper.

Qty.	Mate	rial Ship	pped by Local Supplier
80	2x4	-	Pre-cut Wall Studs
6	2x4	8'	Wall Plates (treated)
2	2x4	12'	Wall Plates (treated)
1	2x4	16'	Wall plates (treated)
7	2x4	8'	Framing Lumber
4	2x4	10'	Framing Lumber
10	2x4	12'	Framing Lumber
3	2x4	16'	Framing Lumber
2	2x6	8'	Framing Lumber
8	1x4	8'	Trim Boards
4	1x4	10'	Trim Boards
2	2x8	10'	Door Header
14	4x8	3/4"	T&G Loft Flooring
24	4x8	3/8"	LP Primed Siding
20	4x8	7/16"	OSB Sheathing

Material Shipped by Local Supplier				
Qty.	Withou	Without Stair Kit		
4	2x10	8'	Floor Joist Headers	
2	2x10	12'	Floor Joist Headers	
20	2x10	16'	Floor Joist	
Qty.	With C	With Optional Stair Kit		
5	2x10	8'	Floor Joist & Headers	
7	2x10	12'	Floor Joist & Headers	
14	2x10	16'	Floor Joists	
19	2x4	-	Pre-cut (Additional)	
2	2x4	8'	Treated (Additional)	

Optional Roof Covering				
26	bdl.	Roof Shingles		
13	pcs.	Roof 'drip' Edge-10'		
1000	sq. ft.	Felt Paper		

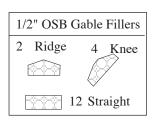
	Mate	erial Shipped in I	Door Carton		
Qty.		Lower Barn Door Material			
2	ea.	48" x 84"	Barn Doors		
2_	ea.	1x4" x 84-3/4"	Door Trim		
2	ea.	1x4" x 48-3/4"	Door Trim		
1	ea.	1x6" x 10"	Keystone		
6	ea.	6" Door Hinges			
3	ea.	Sliding Door Lat	ch		
48	ea.	2" Hinge Screws	S		
Q	ty.	Loft Door I	Material		
Q 2	ty. ea.	Loft Door I 22-1/4" x 48-1/2"			
	•		Door Frames		
2	ea.	22-1/4" x 48-1/2	Door Frames		
<u>2</u> 4	ea.	22-1/4" x 48-1/2" 1x3" x 51-1/2"	Door Frames Loft Door Trim		
2 4 1	ea. ea.	22-1/4" x 48-1/2" 1x3" x 51-1/2" 23" x 47"	Door Frames Loft Door Trim LP Siding Panel		
2 4 1 1	ea. ea. ea.	22-1/4" x 48-1/2" 1x3" x 51-1/2" 23" x 47" 21-1/2" 47"	Door Frames Loft Door Trim LP Siding Panel		
2 4 1 1 6	ea. ea. ea. ea.	22-1/4" x 48-1/2"  1x3" x 51-1/2"  23" x 47"  21-1/2" 47"  4" Door Hinges	Loft Door Trim LP Siding Panel LP Siding Panel .		

# Packing List Roanoke 16' Wide x 28' Building Kit

Qty.	Material Shipped on '	A' Palle	t
2	Pre-built Gable Frames	21-3/4"	'x 48"
2	Pre-built Gable Frames	19-1/4"	'x 48"
26	Truss - Legs	2x6	x 71-3/8"
6	Truss Plates	2x6	x 84"
4	Gable Overhang	2x4	x 82-5/8"
4	Gable Wall Studs	2x4	x 80-1/2"
4	Gable Wall Studs	2x4	x 72-5/8"
1	Gable Wall Studs	2x4	x 64-1/2"
6	Gable Wall Framing	2x4	x 47-3/4"
2	Front Gable Overhang Trim	1x4	x 8"
18	Soffit Blocks	2x4	x 10"
4	Soffit Blocks w/Siding	2x6	x 10"
3	7/16" OSB Sheathing	48"	x 83"
2	7/16" OSB Sheathing	48"	x 72"
4	7/16" OSB Sheathing	48"	x 59"
1	OSB Header Fillers	23-3/4"	x 48"
4	Truss Gussets	11-3/4"	x 30"
18	1/2" OSB Gable Fillers	(see de	tail below)
8	LP 3/8" Siding Fillers	1-1/2"	x 48-3/4"

Qty.	Material Shipped on 'B' Pallet						
26	Truss - Top Cord	2x6	X	81-3/4"			
4	Gable Overhang	2x4	X	81-3/4"			
3	Gable Wall Studs	2x4	X	64-1/2"			
4	Gable Trim	1x6	X	84"			
4	Gable Trim	1x6	X	82-1/4"			
4	LP Siding Panels	80-1/2"	X	48-3/4"			
2	LP Siding Panels	14-1/2"	X	48-3/4"			
14	LP Primed Soffit Panels	5-1/4"	X	48-3/4"			
8	LP Primed Soffit Panels	8"	X	48-3/4"			
1	7/16" OSB Sheathing	48"	X	83"			
2	7/16" OSB Sheathing	48"	X	72"			
18	Truss Gussets	10-1/2"	X	31-3/4"			
32	Truss Gussets	11-3/4"	X	30"			

Qty.	Hardware Breakdown 'A' Pallet			
5	lbs.	16d	Galvanized Spiral Nails	
10	lbs.	10d	Coated Sinkers	
15	lbs.	8d	Galvanized Nails	
7	lbs.	8d	Galvanized Spiral Nails	
15	lbs.	6d	Common Nails	
7	lb.	1-1/2"	Hanger Nails	
150	1-5/8"	Stainle	ss Soffit Screws	
75	2-1/2"	Wood S	Screws	
100	3"	Wood S	Screws	
18	2x6	Joist Hangers		
28	2x10	Joist Hangers		
40	7/16"	Plyclip	s for roof sheathing	



Qty.	ty. Material in 4' Extension Kit	
4 ea.	2x6 x 81-3/4"	Truss Top Cord
4 ea.	2x6 x 71-3/8"	Truss Leg
4 ea.	2x4 x 10"	Soffit Blocks
4 ea.	10-1/2" x 31-3/4" Truss Gusset	
8 ea.	11-3/4" x 30"	Truss Gusset
2 ea.	5-1/4" x 48"	Primed Soffit Panels
4 ea.	2x6	Metal Hangers
6 ea.	2x10	Metal Hangers
1 lb	6d common and 10d sinker nails	