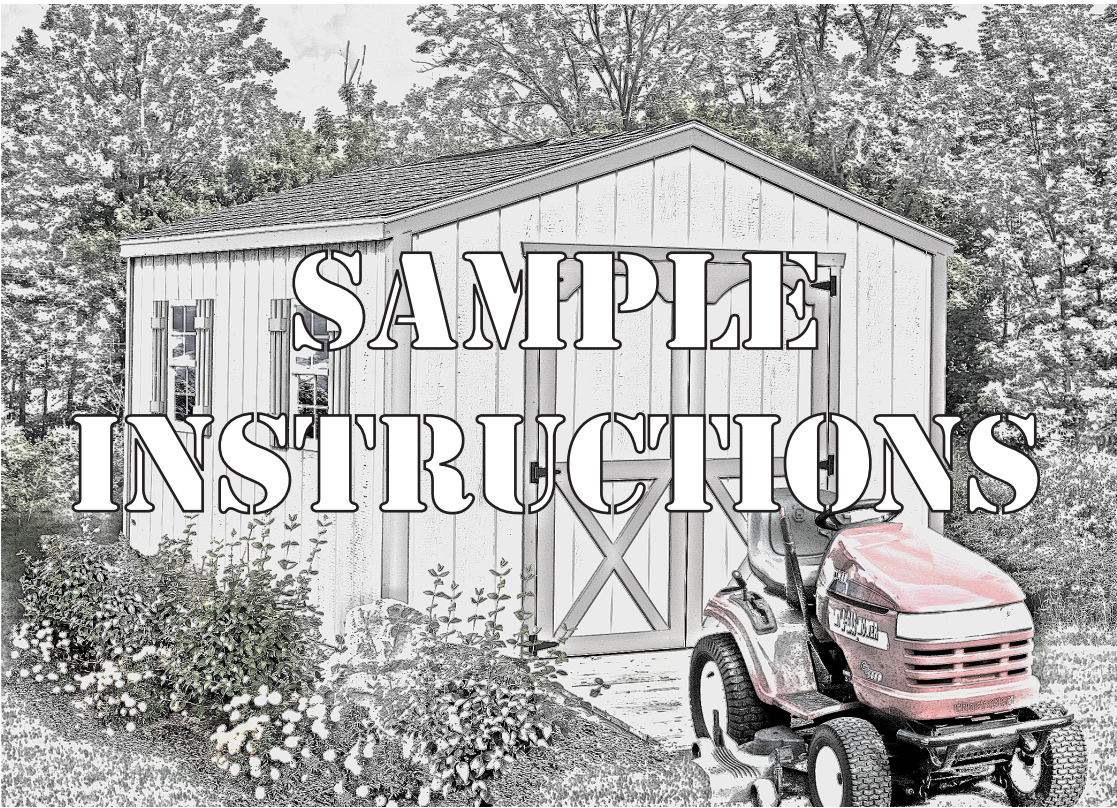




Best Barns USA Assembly Book

Revised March 25, 2010



the Cypress/Elm Door Installed on End

Manufactured by Reynolds Building Systems, Inc.

205 Arlington Drive

Greenville, PA 16125

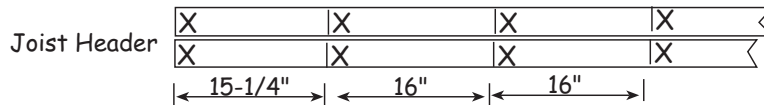
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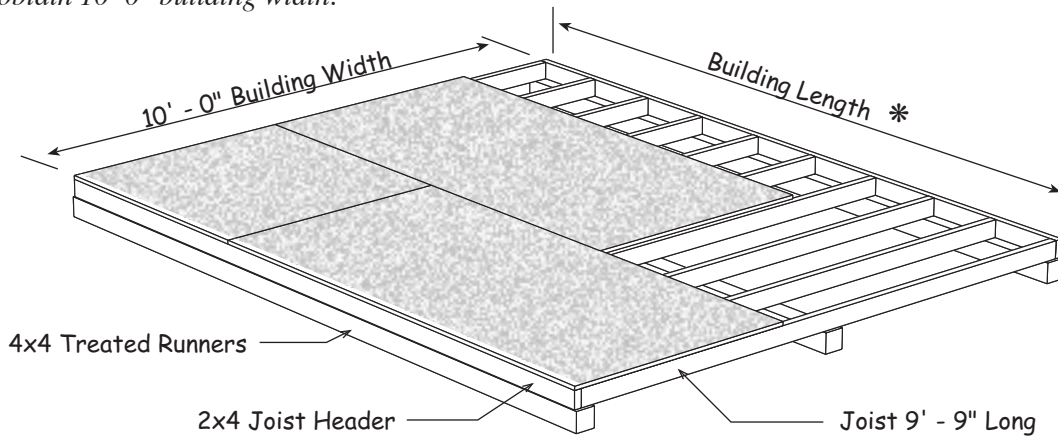
Typical Wood Floor System

Shown below is a typical wood floor. Depending on your area, the construction may have to be changed to meet local codes.

1. Cut 2x4 joist headers to length. Layout for 16" on center joist spacing. 'X' marks where floor joist will be placed.

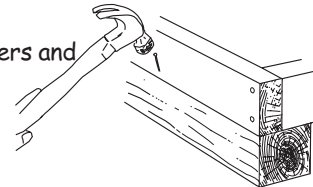


2. Cut 2x4-10' floor joist to 9'-9". *Treated lumber may be thicker than 1-1/2". Take this into account when cutting the length of floor joists. Shorten joist measurements if necessary to obtain 10'-0" building width.*



- * Floor length for 8' shed is..... 8' 0"
- Floor length for 10' shed is.....10' 0"
- Floor length for 12' shed is.....12' 0"
- Floor length for 16' shed is.....16' 0"


Nail 2x4 joist headers and floor joist to 4x4.



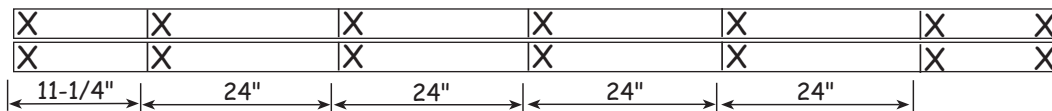
It is very important that the floor be level and square. Square the floor as follows: before nailing the flooring, measure the floor diagonally (corner to corner). Then measure the opposite corners. These measurements will be the same if the floor is square. To keep the 2x4 frame from moving, toenail frame to the 4x4 runners.

Material Description	10' x 8' shed	10' x 10' shed	10' x 12' shed	10' x 16' shed
2x4 Joist Headers	2 pcs. 8'	2 pcs. 10'	2 pcs. 12'	2 pcs. 16'
2x4 Floor Joist	7 pcs. 10'	9 pcs. 10'	10 pcs. 10'	13 pcs. 10'
4x4 Treated Runners	3 pcs. 8'	3 pcs. 10'	3 pcs. 12'	6 pcs. 8'
Flooring 5/8" or 3/4"	3 pcs. 4x8	4 pcs. 4x8	4 pcs. 4x8	5 pcs. 4x8
Screw Floor Nails	1 lb. 8d	1 lb. 8d	1 lb. 8d	2 lbs. 8d
Galv. Box Nails	1 lb. 16d	1 lb. 16d	2 lbs. 16d	2 lbs. 16d

Step 2 Assemble Back Wall

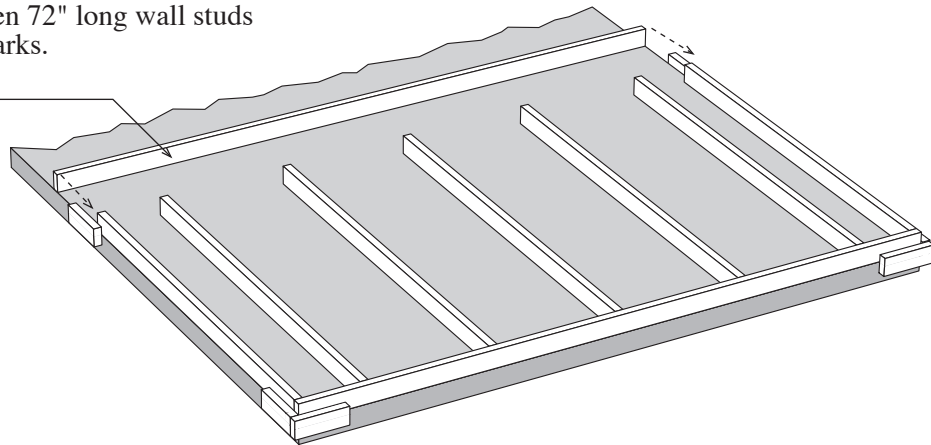
 To aid in the assembly of the back wall, attach 2x4 packing blocks to your floor with 2-1/2" screws. This will trap the perimeter 2x4s until they are nailed together.

1. Cut (2) two 2x4-10' boards to a length of 10' - 0". They will be used for wall plates.
2. Position 2x4s together and indicate with 'X' marks where the wall studs will be located.

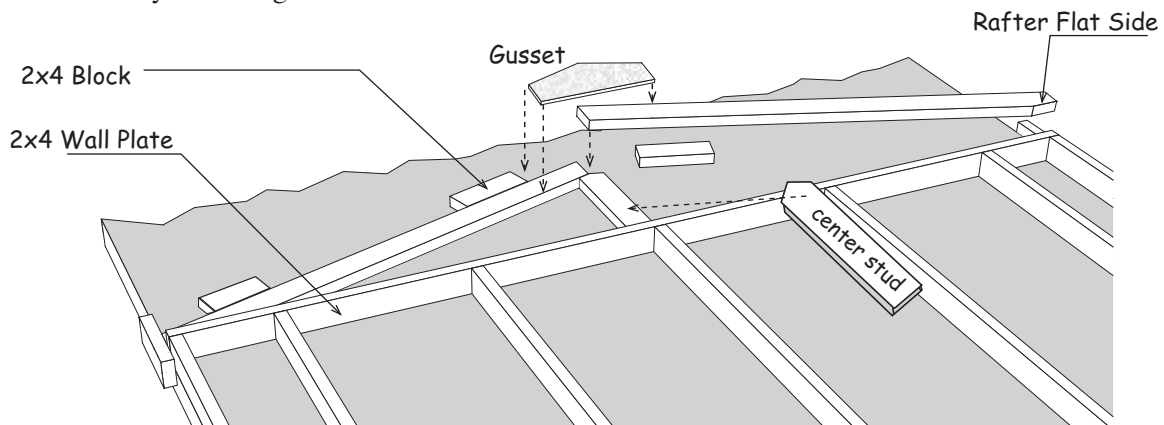


3. Install (7) seven 72" long wall studs over the 'X' marks.

2x4-10' Plate




4. Place (2) two rafter halves together with the flat side against the top 2x4 wall plate.
5. Place a 2x4 center stud (pointed end) between the top plate and peak. Secure top with a wood gusset. Apply wood glue between 2x4s and gusset. Nail the gusset to the 2x4s with (12) twelve 6d common nails. Angle nails slightly so nails do not protrude through the 2x4s.
6. Temporarily screw (2) two 2x4 blocks along the top of 2x4 rafters. This will help with the assembly of other gable and the trusses.



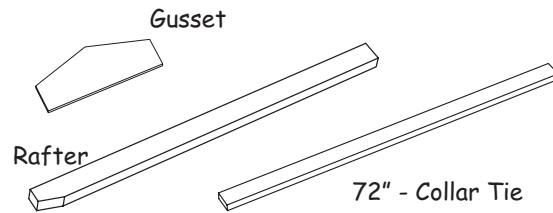
7. Set aside the top finished gable and repeat numbers 4-6 to assemble another gable.

Step 3 Assemble Roof Trusses

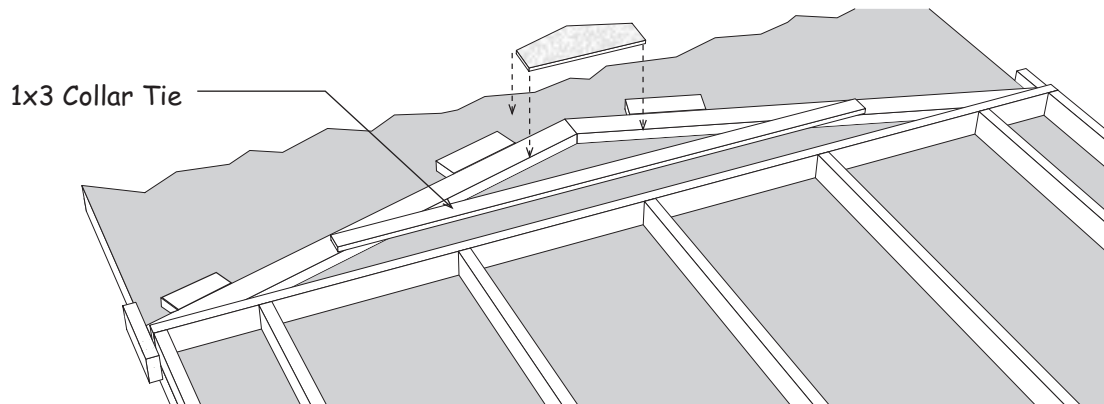
 Before removing sidewall and rafter blocks assemble the roof trusses.

1. Gather truss pieces. See chart below.

<i>Buildig Length</i>	8'	10'	12'	16'
Truss Half	6	8	10	14
Wood Gusset	6	8	10	14
1x3 Collar Tie	3	4	5	7



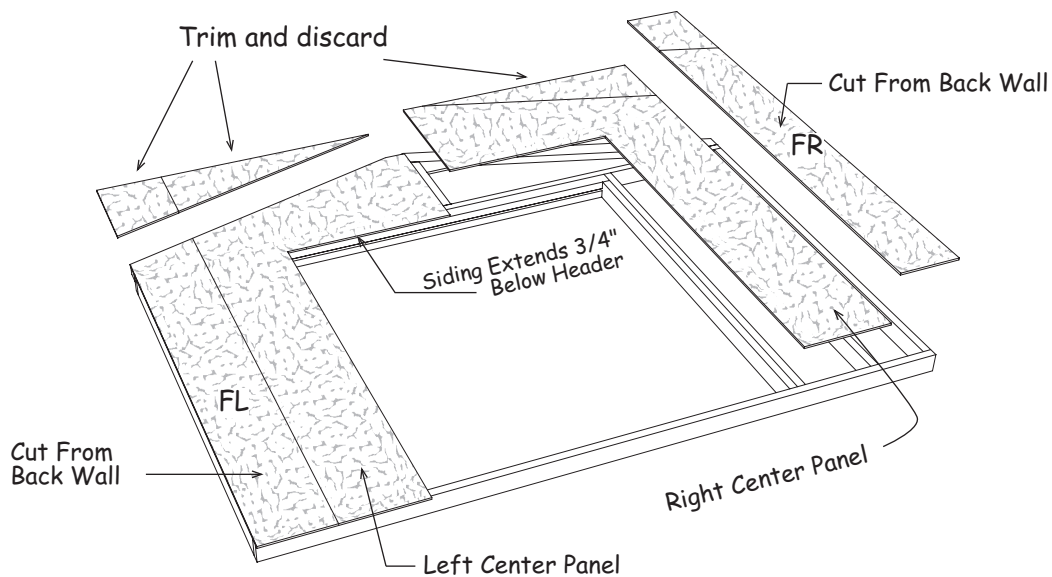
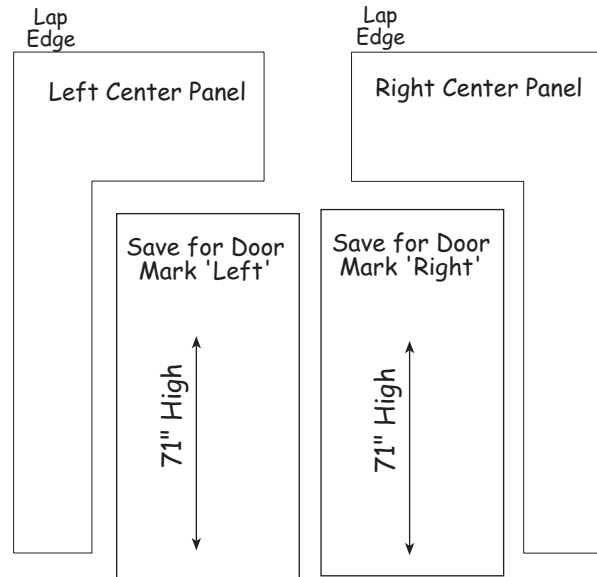
2. Place (2) two rafter halves on top of the wall plate and secure top with a wood gusset.
3. Install 1x3-72" collar ties, stamped with an 'A', across the truss parallel with top of wall. Secure with (2) two 6d common nails on each end of collar tie.
4. Turn assembled truss over and install a gusset on the other side.
5. Repeat to assemble more trusses.



Step 6 Install Siding on Front Wall


1. Square wall frame. Locate the siding leftover from the back wall. Install the siding panel marked 'FL' on the left end of the front wall.

2. Place a 4x8 siding panel on the front wall frame. The siding should extend 3/4" below the bottom plate. Cut the siding from the door opening by cutting the siding flush with the side of the door frame and 71" in height.
3. Install siding. The siding will extend 3/4" below the door header.
4. Cut and install another siding panel on the other side of the door opening.
5. Install the siding panel 'FR' leftover from the back wall.
6. Cut siding panels the thickness of the roof sheathing above the 2x4 frame.

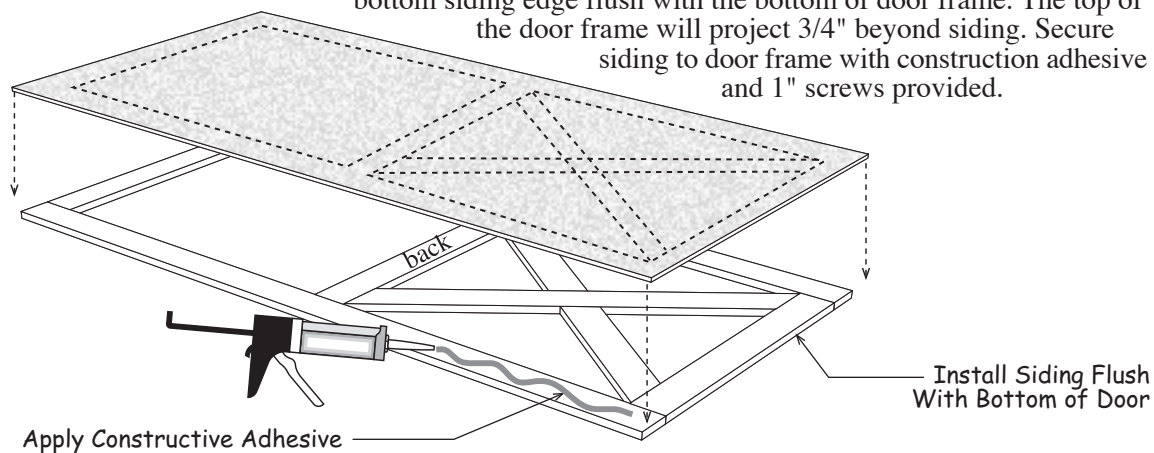


7. Remove jig blocks attached to foundation.

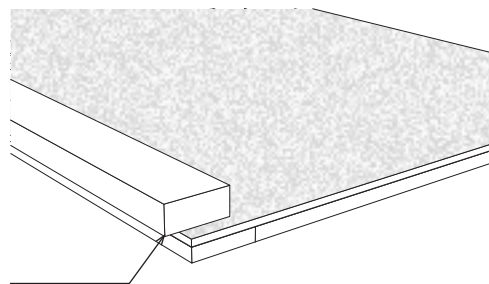
Step 12 Apply Siding to Doors

 **Tip:** Paint the siding and the door frames before you attach the siding to the door. It will be easier to paint the door frame before the siding is applied. Seal the bottom edges of the siding and door frames. If the bottom of the doors are in close vicinity to the ground or ramp, they will absorb moisture and rot.

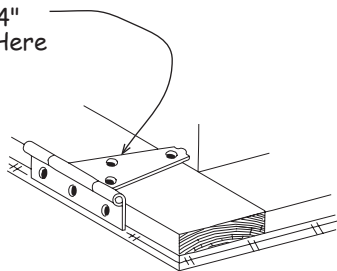
1. Locate siding for the left door. Cut the siding, *the factory edge*, to the width of the door frame. Cut the length to 71". Trace the shape of the door on the backside of the siding panel. This will serve as a guide for fastener placement. The door frames are temporarily held together with corrugated fasteners, this is the back side of the door frame.
2. Place the door on level surface, face side down. Position a siding panel on frame with the bottom siding edge flush with the bottom of door frame. The top of the door frame will project 3/4" beyond siding. Secure siding to door frame with construction adhesive and 1" screws provided.



3. Install a 2x4 x 69-1/2" long board to the back of the door. Position this board flush at the top of the siding and extending 3/4" past the edge of the door. This board will serve as a door stop. Secure with 2-1/2" long wood screws.
4. Apply siding to the other door frame.



Use 1-1/4" Screws Here



5. Lay doors on level surface with the trim facing up. Install hinges to the left side of the door frame. Use the shorter 1-1/4" screws. The screws have a square head. The bit is packed with the screws. To position the hinge properly, hold the rectangular plate against the frame.
6. Repeat process to install hinges to the right side of the other door.