Read Me First

Thank you for purchasing our Tahoe shed kit. These instructions will construct a 12’x16’ building. **If you received two books, use the one with the latest revision date.** If you are constructing a 20’ long building, use the book included in the extension kit.

See back page for the breakdown of material that is included in our kit. The optional floor package, siding, roof sheathing and longer wall plates will be supplied by a local lumber supplier. This breakdown is listed below.

Our component kit does not include the shingles, giving you a choice of color and quality. The breakdown of the material you need to supply is listed on the back page.

The siding is primed. You will need to apply a finish coat using latex acrylic paint. Paint the bottom edge of the siding, this is very important.

**IMPORTANT:** Some of the 2x4 framing needed in the construction of the building is used to make the shipping pallet. Unpack the material from the pallet, then carefully disassemble the pallet. The pallet is secured together with square head screws. The bit for the screws is packed in the hardware bag containing the screws for the door hinges.

Stacking the boards, according to size, will make them easier to find when needed. **Do Not** discard any material, *no matter how small*, until your building is complete. Anything leftover may have been used as packing blocking.

If you encounter any problems while erecting your building, call our customer service department at 800-245-1577 ET. Your contact person is Richard Artherholt. If you are calling after normal business hours, my home phone is 724-588-9146 ET. Before you begin construction, be sure to study this assembly manual. Also, obtain a building permit and check all pertinent building code regulations.

Good luck with your project. Bill Rinella, President

<table>
<thead>
<tr>
<th>Material Delivered From Local Home Center/Lumber Company.</th>
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<tbody>
<tr>
<td>16 Pcs. 4x8 Exterior Siding</td>
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<tr>
<td>2 Pcs. 2x10 - 10’ Boards</td>
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When measurements are given for a board length or width, it is from the longest side.

**Tool List**

- Hammer & Phillips Screwdriver
- Framing Square & Level
- Hand Saw & Caulking Gun
- Power Drill/screwdriver
- Measuring Tape
- 2-6’ Step Ladders

Always wear safety glasses when cutting or nailing!
Optional 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. The foundation size should be 12' - 0" x 16' - 0".

1. Cut (2) two treated 2x4-8' boards in half.
2. Butt 4x4-8' treated runners together. Use one of the 2' long 2x4s to secure them together.
3. Repeat to join the other 4x4 runners.

4. Cut (2) two 2x4-16' joist headers to 16' - 0".
5. Layout for 12" on center joist spacing. 'X' marks where floor joist will be placed.

6. Cut all the 2x4-12' boards to 11'-9". These boards will be the floor joist. *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.*

7. Install floor joist boards between the joist headers. Install this section over 4x4s.
**Step 1  Assemble Door Header**

1. Cut (2) two 2x10-10' boards to a length of 8' - 3''
2. Locate (2) two pre-cut 9'' x 48'' OSB fillers.
3. Install fillers in the center of the 2x10 boards. Nail header together with 10d sinkers. Use (16) sixteen nails on each side. For additional strength apply glue between the fillers and 2x10 boards.

**Step 2  Assemble 2x6 Loft Beams**

**Important:** For maximum strength, spread the glue evenly over the surface of the 2x6 boards using a old brush or cardboard.

1. Locate (2) two 35-3/4'' long 2x6s, with a notch in one corner, and a 72'' long 2x6. Position these 2x6 boards on a flat surface as shown below.
2. Apply a coat of glue to the top surface using wood glue supplied in kit.
3. Install (2) two 68-1/2'' long 2x6 boards over the lower 2x6s. The 2x6 boards will start and end at the notch in the lower boards. Use (2) two 2-1/2'' wood screws spaced 16'' apart.
4. Repeat process to assemble another beam.
Step 3  Assemble Back Wall

1. Position 72" boards together and indicate with 'X' marks, where the wall studs will be located.
2. Install 92-5/8" long wall studs, between the wall plates, over the 'X' marks and where the plates meet. **Always use 10d sinkers to secure wall studs to plates.**

3. Install a 4x8 siding panel with the 'LAP' edge flush with the wall frame. If installing the building on a slab foundation, install siding flush with the bottom plate. If installing on a wood floor, the siding should extend 3/4" below the bottom plate. *Tip; use a 3/4" trim board as a gauge.* Use 8d galv. nails spaced 9" apart.

4. Install (2) two full width siding panels next.

**IMPORTANT:**
- Cement Slab - Install siding flush with bottom plate.
- Wood Floor - Install siding extending 3/4" below bottom plate.
Step 7  Install Loft Floor

1. Install 51-3/4" long 2x4s on the front and back walls to support the floor joist. Install the 2x4s 3-1/2" below the top wall plate. Secure to wall studs with 10d sinkers.

2. Install 66-3/8" long 2x4 floor joist. Toenail one end to the 2x4s on the back wall. Secure the other end to the beams with 2x4 hangers and 1-1/2” hanger nails.

Step 7  Install Loft Flooring

1. Cut flooring from 7/16” OSB sheathing. Use 7d sinkers spaced 12” apart. Install pre-cut 3-1/2 x 48” floor fillers. These are supplied in the kit.

2. Cut a 2’x4’ panel from a 4x8 OSB sheathing. Save the 4’x6’ panel, it will be used for roof sheathing.

3. Repeat procedure to install loft flooring at the front of the building.
**Step 8  Assemble Trusses**

It is important that all the trusses are assembled the same. Installing 2x4 blocks around the perimeter insures that all the trusses will be assembled the same.

1. Cut a 2x4-12' board to 12'-0". Temporarily install the board 1-1/2" above the loft floor with 2-1/2" screws.
2. Position (2) two truss halves with the short legs against the 12' board.
3. Secure 2x4 packing blocks around the perimeter of truss using 2-1/2" screws.

**Do Not Fasten Truss Legs to The 12' Board**

4. Secure the top of the truss using a 32" long 2x3 board and a 32" wood gusset. Apply wood glue between the gusset and framing. Nail gusset using (20) twenty 6d common nails.
5. Turn the truss over and install gussets to the other side of the truss.

6. Assemble (6) six more trusses. You can store the trusses between the loft floor opening until you need them.
Step 12  Set Rear Gable

1. Install the rear gable on the rear wall. The siding on the gable must extend over the 1x6 trim board, not behind it. See bottom detail.

2. Install 64" long 1x4 gable trim flush with the top edge of the gable. Install the ends with blue marks together. Install trim with 8d galv. nails.

3. Install 48-3/4" long 1x4 gable trim flush with the side edge of the gable.
Step 13  Install 2x4 Truss Plates

1. Install a 47-7/8" long 2x4 tie plate against the gable. Install a 92-5/8" long tie plate. Cut another 47-7/8" tie plate to finish.

2. Repeat to install tie plates on the opposite side.

Step 14  Layout Truss Spacing

Layout the truss spacing. Measure from the inside face of the 2x4 gable plate to mark the location of the first truss. 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.
**Step 17  Install Roof Sheathing**

Install roof sheathing flush with the face of the gable trim. Use 7d sinkers, spaced 12" apart. Insert (2) two plyclips into the roof sheathing between each truss at the top row.

**Step 18  Install Front Gable Overhang**

1. Install 64" and 47-3/4" long 2x3s on the front gable, under the roof sheathing. Install the top 2x3 with the blue ends together. Use 10d sinkers.

2. While a helper holds another set against the roof sheathing, screw the sheathing to the 2x4 with 1-1/2" long screws. Important; the roof sheathing should extend 3/4" beyond the 2x3s to receive the 1x4 gable trim installed later.

3. Install a 3" long 2x3, at the bottom, between the side 2x3s.