

## Sample Instructions for our 10' & 12' Log Gazebos

Amish crafted, easy to assemble, easy to ship kits

Questions? [info@kilmercreek.com](mailto:info@kilmercreek.com)

Please read the instructions first, layout the gazebo pieces, then start. The assembly requires at least two people, three is preferred. Total assembly time is approx. 4-6 hours, not including leveling the site. Power tools will speed the process, too much third party advice and thinking will delay it.

### **Floor Assembly** (flooring assembly picture)

The ground must be leveled, with thought given for adequate water drainage. The flooring must not be sited in an area where water will pool.

Once the ground is level, place a weed control mesh on the ground. Now place at least (9) 2' height blocks on the mesh – (8) to be placed under the outside floor corners, (1) in the center. You may wish to use additional blocks to stabilize the floor.

The floor consists of (8) sections, when assembled is in the shape of an octagon. The (8) sections are identical. Take (2) sections floor sections and stand them on end – this will allow you to screw the sections together. Insert a wood block between the two sections at the narrow end (soon to be the center of the floor). Screw a minimum of 4 screws into the block (two from each side), and 4 additional screws into the floor joist to secure the two sections together.

Repeat this process to make 4 larger sections, then combine the sections to two, finally a complete octagon shape using all (8) sections. Please remember to insert the wood block on the inward side (center) with each floor section added, as this is how the floor is drawn together when the screws are tightened into the block. Don't forget to insert 4 screws into each block, plus 4 screws to hold each section together.

Now right side up the assembled floor and place on the blocks. Remember to have the center sitting on a center block. The remaining blocks should be under each outside corner of the octagon flooring.

### **Log Posts** (parts Id photo)

Lay out all of the logs posts. Identify the two post with three rail holes only on one side – these are the doorway posts. Assemble the first rail section on the ground. Pickup a doorway log and rotate it until the post rail holes are pointed away from the doorway, and the floor lag bolt hold is pointed outward. Insert the lower rail, upper rail and a spindle on each side into the pre-drilled holes found in the door lag. Next attach the loose ends to a 6-holed log. Always have the pre-drilled floor lag facing outward. Put the log top plate on top, but don't lag yet. Don't forget that you need to install large brace (5" dia. X 17-1/2" long) on the top of each side of the doorway in a 45-degree angle. There is no spindle in the doorway section. Please note, the log top plate does not have pre-drilled holes for spindles – it is a solid piece.

(rail assembly photo)

Have the 2nd person hold this section on the flooring, while you begin to insert the rail sections, spindles and top log plate to assemble the next section. Repeat until all 8 sections are assembled together. Remember to put in the smaller 2" dia.x12" long braces. Do not install the floor lag bolts yet.

- coffee break time -

\*Hint: It is best if you line up the logs by looks, as nothing is perfectly uniform or square.\*

Install a 6' lag bolt into the top of each log through the log top plate, which has a predrilled hole. Repeat this process until all (8) log top plates are secure. Do Not tighten. You may need to carefully reposition the logs at the flooring corners. Now install the bottom log bolts at each corner, with the lag assembly always on the outside on a corner of the flooring. Please use your 2nd person to keep each log lined up as the lag is going into the flooring. Once the lower lags are in place and tighten, tighten the top lag bolts.

### **Roof**

Please note that the roof sections are numbered at the shop. The roof sections must match up, otherwise you won't be able to secure a watertight roof. Lay out the (8) sections and match up the numbers (i.e. #8 to #8, etc.) in the rafter joists.

Take one roof section and carefully lift up over the assembled logs to begin the assembly. It doesn't matter which section, as long as you keep the roof sections in order as each section is brought up to form the roof. The first roof section will require a 10' pole to temporarily hold up the section. The first section should have only approx. 11" overhang from the outside of the roof to the log top plate. Install a log bolt, from the inside top plate to the roof section – but don't tighten. You may need to back out the first lag bolt once all the roof sections are attached to re-center the roof. The first roof lag is intended to stabilize the roof while the remaining roof sections are installed.

Bring up each remaining roof section once at a time. Screw together each roof section at the joist with at least 4 screws. It is important to have each section "square" with each other – the joists lined up with each other, as you screw the sections together.

\*Hint: It works best to have one person on the outside, a 2nd person on a ladder keeping the center of the roof stable. A 3rd person should install the screws.\*

If the roof needs to be centered, unscrew the only roof section now lagged. Carefully move the assembled roof into place. Measure the eaves to help center, but eye-balling also helps. Remember that the logs are not uniform. Re-install the lag, and install a lag bolt into each section from the log top plates into the underside of each roof section.

### **Cupola and Ridge Caps** (assembled gazebo photo)

Place the cupola on top. Put in at least 4 screws from the inside the ceiling (interior) into the cupola – Do Not crawl onto the roof to install the screws).

The ridge caps are the final pieces, as they make the roof watertight. Place a 8-1/2" ridge cap as a starter over each crack (where the sections join) – on the outside edge. Then progressively put 10" caps as needed, with a 8-1/2" ridge cap as the final piece snuggled against the cupola.

### **Materials Provided (lay out all the pieces before assembly)**

- (8) floor sections
- (8) cedar floor joist blocks (approx. 12-16" x 2"x6")
- (6) log posts with 6 holes
- (2) log posts with 3 holes
- (7) lower railing sections
- (7) upper railing sections
- (14) 12-1/2" x 2" dia. braces
- (2) 17-1/2" x 3" dia. Braces
- (8) log top plates (top rail for the upper railing sections)
- (16) 8-1/2" long ridge caps (shingle)
  - 10" long ridge caps (shingle)
  - 3/8" x 6' lag bolts
  - 3" screws
- (1) cupola

**Tools and Materials Required**

- (2) folding step ladders
  - Impact wrench with ½" drive & 9/16" socket
    - (substitute manual drive with 9/16" socket – however, this is a lot of hard work)
  - screw gun or drill with #2 square drive head
- (9) cement blocks (2" height minimum, 3-4" better suited or higher)
  - rubber mallet
  - weed control mesh
  - 10' pole (2x4x10 or any 10' pole)