



## 10x14 Camp Alcove Optional Concrete Slab

**Step 1.** You may also use a concrete slab for your building to sit on. Begin with a prepared compacted gravel pad. Figure 1. Your gravel pad should be at least a foot larger than the concrete pad on all sides. For example, if your concrete pad will be 120" x 120", your gravel pad should be 144"x144" square and level. We recommend using a transit to level your site.

**Step 2.** Build your form. Figure 2. The form will be the barrier that will stop your concrete from spreading, so the interior dimensions of the form should be the exact dimensions of the building. For example, for a 10x10 Vermont Cottage, the interior dimensions of your forms should be 120"x120" .

**Step 3.** Once your form is created, it will need to be squared. To square your frame, measure diagonally from corner to corner. When the measurements are equal, the frame is squared. Brace your squared frame by nailing a piece of lumber from corner to corner on top of the form. This will keep your frame squared until it is pegged.

**Step 4.** Continue by hammering 2x2 pointed pegs at 3' intervals, giving the perimeter of the slab more depth and strength, as it will be supporting your building walls. If your building calls for a third, center, skid, dig a center trench 12" wide by 8" deep, so the concrete will be thicker to support this third skid as well.

**Step 6.** Lay a 6 millimeter vapor barrier on top of the gravel pad inside your form. The vapor barrier should extend along the entire bottom of your pad, into your trenches and up the sides to the top of your form.

**Step 7.** Reinforce your pad with wire mesh. Cut the pieces of the steel wire mesh to length. The pieces should be cut so that, when in place, the edges will be 3 inches away from the form. To eliminate the mesh curl, flip the mesh sheet over and place it in the form opposite the way it was rolled up. Overlap each mesh sheet and twist the cut ends together to join them. Space bricks out evenly under the mesh throughout the form. Be sure the edges of the mesh are at least 3 inches away from the form.



Figure 1



Figure 2



Figure 3



## 10x14 Camp Alcove Optional Concrete Slab - Continued

Step 8. Before pouring your concrete, bring any services to the building through the slab, such as water, heat and/or electrical.

Step 9. You are now ready to pour your concrete. Your concrete slab should be 12"x12" around the exterior edges, and under any additional skids, and reinforced with wire mesh. The rest of the slab should be 4" thick. Figure 4.

Step 10. Once the concrete has cured, usually 1-3 days, remove the forms and the slab will be ready to build on. Figure 5.

\*NOTE If you desire, skids can be replaced with treated 6 x6 sill plates around exterior and where the skids would sit. Figure 6. If you are in an area prone to earthquakes or high winds, you may wish to anchor your cottage to your concrete slab. There are a number of anchor solutions including the anchor bolt, steel flat plate and mud sill anchor. Figure 7.

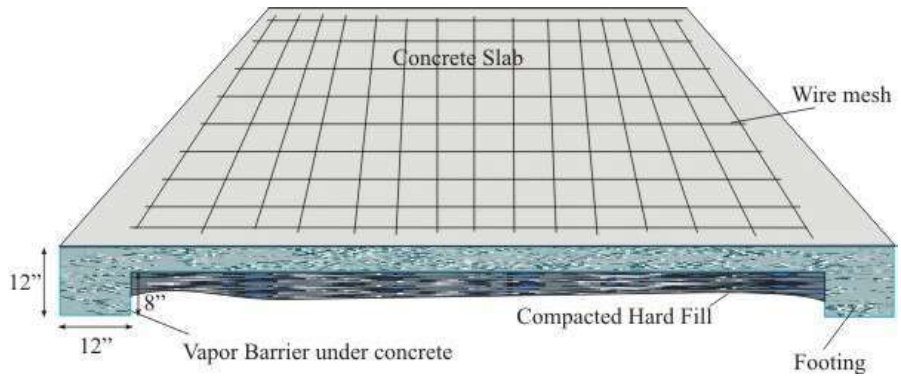


Figure 4



Figure 5

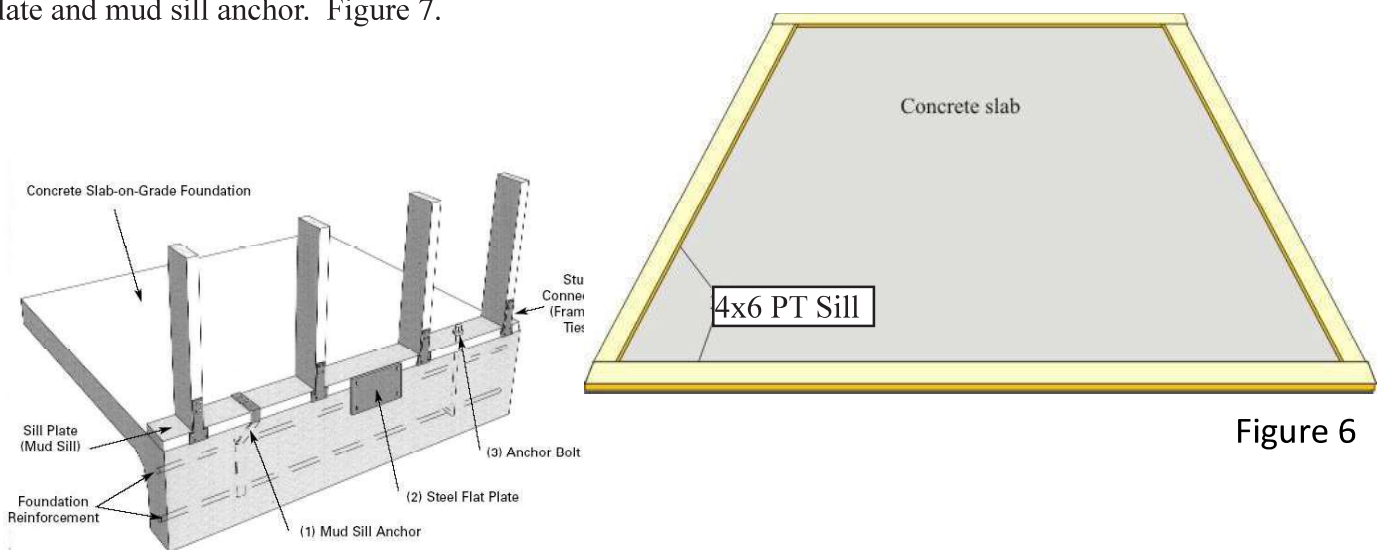


Figure 6

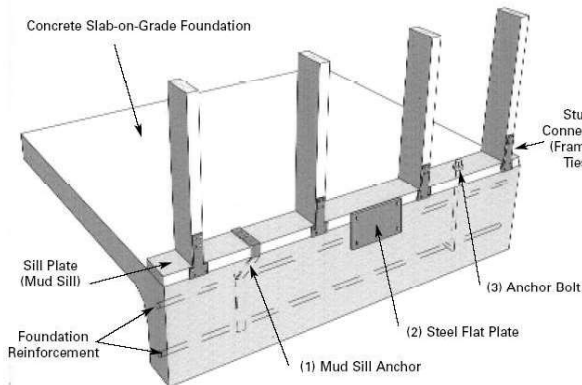


Figure 7



## 10x14 Camp Alcove Pier Configuration

If you choose to use concrete piers for your foundation, follow this pier schematic for proper placement. Figure 1.

Install your footings below the frost line to avoid potential movement. We recommend digging down 48". Figure-2

Ensure you are placing the footing form on solid ground. We recommend 8" or 10" piers. Helical Piles are also a new development that requires no concrete but does need a licensed installer. Figure-3

Level and square your piers. We recommend using a transit when setting the supports. A deck that is out of level or square will cause the entire building to be untrue. Skids may be anchored to the piers using 4" metal straps or cast in beam supports. Figure 3&4.

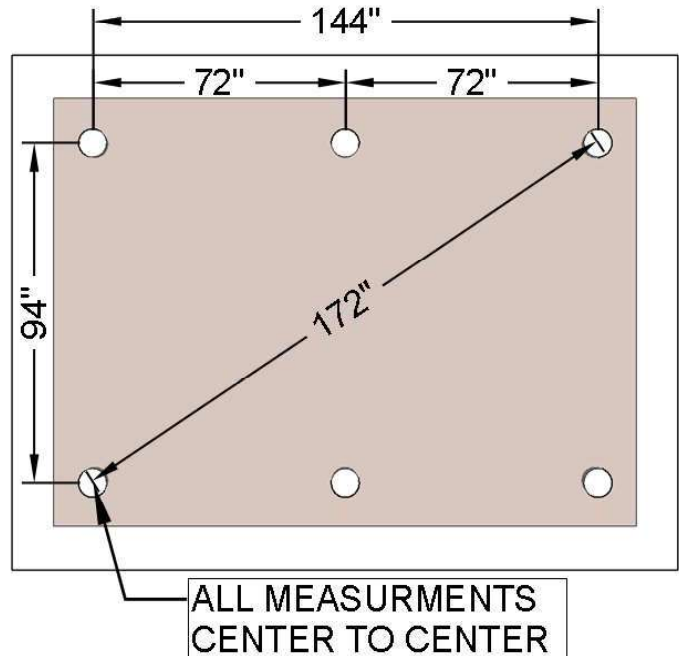


Figure-1

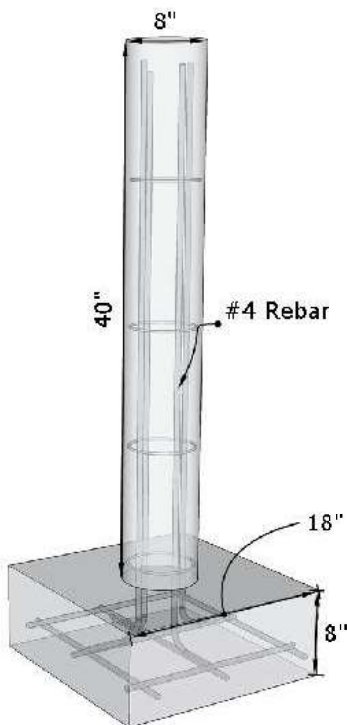


Figure-2

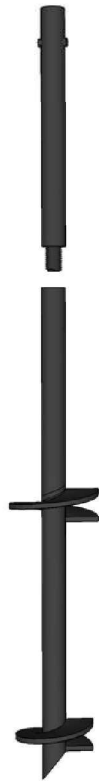


Figure-3

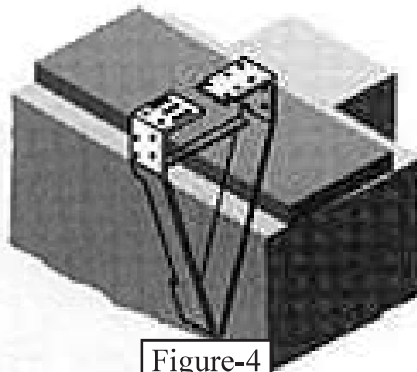


Figure-4

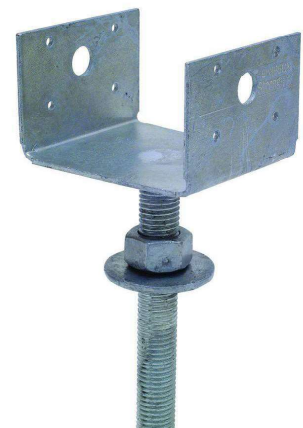
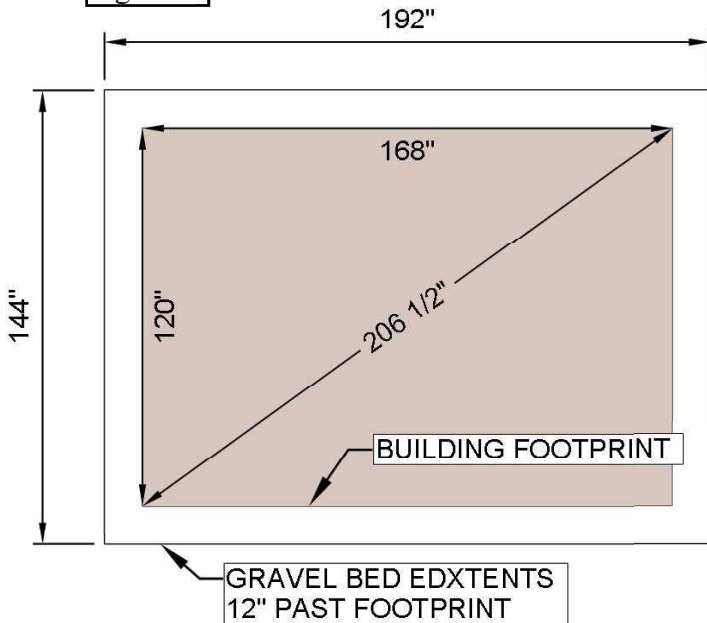


Figure-5



## 10x14 Camp Alcove Site Preparation

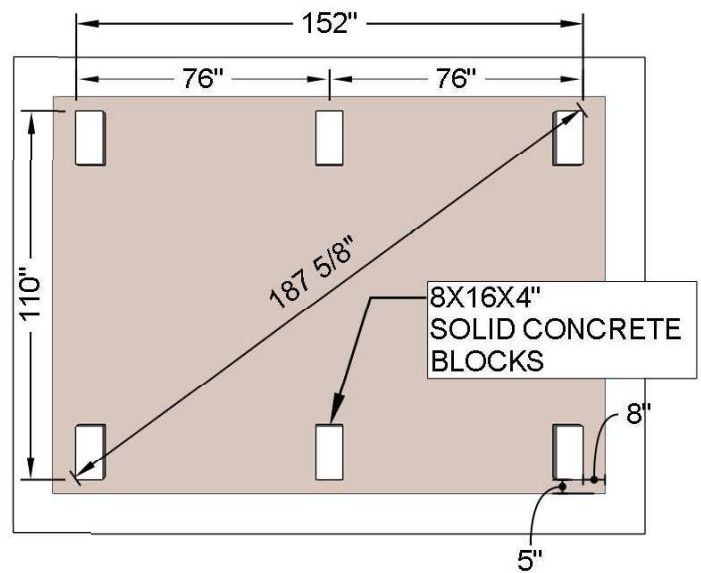
Figure-1



In order to preserve your new building, JCS recommends that the site be prepared with a bed of gravel 8-12" deep, as level as possible and a foot larger than the building on all sides. Figure 1.

We recommend the site be leveled with a transit. Water drainage is the concern. Keep the moisture coming from the land and roof from going under the building.

Figure-2



Set building on Six-4"x8"x16" solid cement blocks. The blocks can be placed approximately for now until the deck is built and squared. Figure-2

Set the skids on the blocks. Build the deck on top of the skids. Figure-3

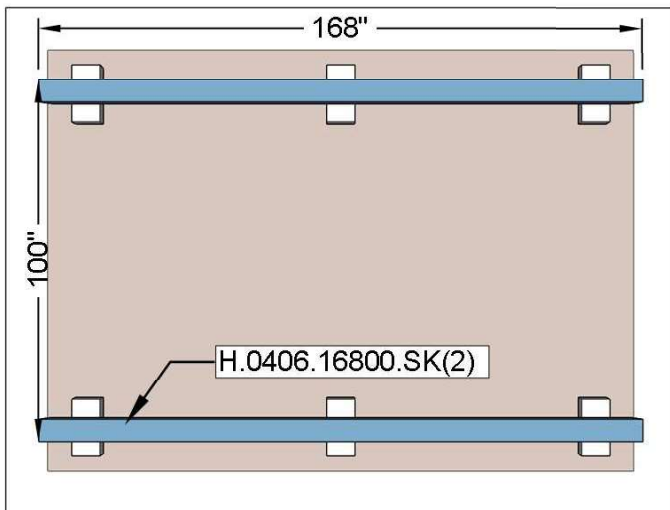


Figure-3