

## Log Cabin Construction Info

### Walls

- 7' lowest side wall height, 9'10" inner peak height (3:12 pitch)
  - Solid 4x6 Kiln dried pine logs, log home treatment on exterior and interior. (stain and clear coat)
  - Each row secured to the next via Log Builders Adhesive and 8" Timberlok lag screws
    - lag screws placed every row, spaced 12-16"
  - Caulked at log seams interior and exterior
  - Permachink Lifeline (water based) interior log stain, Lifeline clear coat
  - Exterior log stain and clear coat (Lifeline, and Natural Kote)
- (Two different wood treatment companies, with dozens of color choices!)

### Floor

- ground contact pressure treated 2x10 or 2x12 Joists, 16" OC
- Tripled (staggered) pressure treated rim joists
- R13-30 batt insulation between each set of joists, 3/8" treated ply under insulation, 3/4" ply/osb above secured to joists.
- flooring installed onto plywood subfloor

### Ceiling/Roof

- vaulted ceilings (2 sections builds will utilize a mono-slope / skillion style roof )
  - 6x6 pine timber ceiling rafters 24" OC, kiln dried T&G pine siding, 3 1/2" closed-cell spray foam insulation, 1/2" ply, vapor barrier felt paper, ice shield applied to eave areas and valleys created by gabled entries, 1x2 pine battens, steel roofing.
    - Insulation upgrade option: 2" rigid foam panels installed over CC spray foam. Eliminates thermal bridging from 2x4's and adds R13.1 to the roof assembly.
  - matching steel gutters and downspouts installed
- \*(4:12 pitched single-section cabins) 6x8 solid pine ridge beam, 6x6 rafters, steel beam bracing at any joints

### Doors and Windows

- 36" fiberglass, insulated, 9 pane window, exterior doors
- handmade pine interior doors (hinged, sliding/barn, and pocket)
- Windows: Double pane, slider and double hung, with screens
- Pine trim

### Electrical

- 100 amp service standard (200 amp service upon request)
- generator backup outlet installation upon request
- outlets, switches, and fixtures wired and installed to meet code
- wiring bored in log walls for vertical runs
- wiring inset in bottom log for horizontal runs, protected by 1/4" steel flat bar behind baseboards
- final hookup to building to me made by customer following delivery and setting

### Plumbing

- If plumbing is desired, the bathroom floor will be left open. Any walls in the bathroom that will contain any future plumbing will also be left open.
- Plumbing to be installed by customer after delivery.

-If on a slab or on the ground, It is recommended to keep kitchen needs close to the bathroom wall, as kitchen plumbing will need to be ran behind kitchen cabinets over to shared wall with bathroom.

#### Attaching Modules

- End Wall flashing, counter flashing, and caulking installed to seal joint between 2nd module roof and 1st module wall.
- Gutters installation completed after setting
- Buildings are sealed at log wall joint with expanding foam insulation, and secured with 8" Timberlok lag screws starting on interior wall and running into the attached (perpendicular) module's wall.
- Pine trim installed in exterior corners at joints
- Pine trim installed to interior joint

#### Delivery and Setting

- fully built indoors prior to delivery, in 12x32 modules or smaller
- delivered via truck and trailer
- installed over crawl spaces, foundation walls, and slabs using solid steel piping and wood skids.
- setting and final adjustments with jacks and/or skid steer
- customer is to finalize securing to foundation (if desired) following delivery and setting
- customer is to responsible for installing skirt flashing if desired