



## Artisan Tiny House™

Do I build my floor into the frame or on top of the frame?

Design drivers: Keep it Simple - keep it legal – Wise use of building materials – Keep it affordable, make it energy efficient.

There are two options for building a Tiny House floor let's look at some pro and cons.

### Between the main frame rails

In between the frame rails lowers the center of gravity which is a good thing. It also gives you 5-6 inches that you can add to the height of the interior space also a plus. It leaves your p-trap for sewer lines lower if you are using a standard toilet. Would need to be removed to travel and might make it difficult to get enough fall to the septic system. It will leave you with 6" of uninsulated floor down each side. That is 12 square feet. The way we build this type of floor it takes four people four to five hours to complete.

### On top of the frame rails.

Your floor will be 4-1/2 to 5-1/2" higher\*. With our design this will put the floor at 30" above the ground. That is four steps  $30 / 4 = 7-1/2"$   
Your roof will still be at 13'-6" so you will have 4-1/2 to 5-1/2" less height inside.  
You will have more ground clearance for pipes under the floor. You will have a fully insulated floor from edge to edge with no thermal bridging.  
The way we build this type of floor it takes four people about three to four hours to complete.

- R-16 SIP is 4-1/2" thick R-24 SIP is 5-1/2" thick.

I hope this helps you make a good decision for your needs. Our trailers are designed so we can use the same trailer for either style.