

Common Issues #1: Structural Clashes

Example: Toilet drains directly on top of floor truss or joist

Issue: A common issue that most every builder will acknowledge they have dealt with before, is when a toilet or tub/shower or other such drain winds up directly over top of a floor joist or truss. Neither of these elements may be cut or notched, without engineering and labor expense, to allow for the drain to fit.

At Constructability3D, we model the subfloor over the floor systems. We then attach the 2D floor plan directly to the subfloor. Not only do we build the walls using these lines, just as we do in real life on a chalk line, we cut out for these drains and can instantly see if there is a clash below with a floor joist or truss. It is much easier to handle this prior to construction!

The image below shows such a clash.

