

Engineering in Residential Designs

The number one thing all future homeowners are concerned about when they start their design process is overall cost. It is normal to think that way. When they finally see how much their mortgage will be, another concern pops to the surface: “Where can I cut down on expenses in my design?”

Crockett Log & Timber Homes realized long ago that engineering the structural aspects of our designs is of utmost importance. Cutting corners on structural integrity is never an option and has become a standard part of our design packages.

Why structural engineering? Anyone, to some degree, can build a home, but not everyone can build a home well. A well-built home has structural integrity at its core and will stand for many generations. Here at Crockett we keep the structural factors of your home in mind while delivering the look you want. If you want a wider house, we will design it for you but that may mean increasing the size of the floor joists or the support beams, or both. On the other side of the coin, so to speak, if you pick a Crockett design but wish to downsize it, all structural members will be engineered for lesser spans and weights, and cost savings will be passed on to you.

Each Crockett home is engineered by a structural engineer licensed in your state. Numerous geographical factors are taken into consideration when the final structural engineering takes place. All floor loads fall under a standard category no matter where your home is being built, but other factors like wind and snow loads vary by region. Our structural engineers carefully calculate everything, even specifying what type of post attachments are required in high-wind regions to keep your porch attached to your house.

Most municipalities are concerned about the quality of homes being built in their region. Therefore, when your builder takes a Crockett design to apply for a building permit, the engineer’s seal on the plans gives the plan reviewer confidence that the home’s design has been approved by a state-licensed professional. Our success in rapidly attaining a building permit is largely due to our design, your future home, being fully engineered per local building code guidelines.

Don’t take chances with your home design. Cutting costs by eliminating engineering is not a wise option. Crockett Log & Timber Homes has never considered that option. Neither should you.