

....Tommy ~2~ Toes Contracting

Episode #908 of “I ain’t never had to do that before”

Inspection Type: Framing

Inspector: Tommy, Who taught you how to rafter frame! The start of your heel cut sits off the inside of the top plate by 4 inches. The rafter framing section does not allow you to over notch cut your rafter like that.

Tommy: What u talking bout? That’s a 2x12, I checked the span charts, I needed a 2x12 for our snow loads.

Inspector: Tommy, you may have chosen the right size for your rafter but you exceeded the allowable notch cut as permitted in section R802.7.1.1 figure R802.7.1.1. Over notching the bottom seat cut reduces the strength of the rafter. Your rafter size at the start of the top plate is now only 5.5 inches reducing the rafter size to a 2x6, not to mention the added stress to the seat cut section that starts at the inside edge of the top plate that may potentially split causing the unsupported section of the rafter heel to fall inward causing rafter failure. You will need to either change out all your rafters or provide an engineer repair.

Tommy: What you mean!!! I work all over in this state, I ain’t never heard of that before. I’ve been building houses before you were born. My great poppy started Bedford Co. There has only been a few roof failures that I could remember and that was because of the snow that one year. That ain’t ever going to happen again. I’ll get your engineer letter saying it’s ok the way it is.

Inspector: Tommy that is the exact reason why the building code has these provisions set in place. These minimum provisions are designed to provide safety to the occupants and the public. Failures just do not happen overnight. Failures start from day 1 of a faulty installation. Your engineer will need to design a fix or new rafters shall be installed. By the way, the ceiling joist will need joist hangers as set forth by section R802.6 for the minimum required bearing. Call for re-inspection when ready.

Outcome: Disapproved