



October 15, 2021

Summit Homes
120 SE 30th St.
Lee's Summit, MO 64082

RE: Field Issue of overbored floor joists for Lot #102 Reserve at Stoney Creek – 1705 NW Hightown, Lee's Summit MO 64082 – Permit # PRRES20211583

This letter addresses the 4" diameter hole bored for toilet in bath 3, the 3" diameter hole for tub bath 3, and the 4" diameter hole bored for the toilet in bath 4 at 102 Reserve at Stoney Creek.

Overbored holes in Bathroom 3:

- Overbored holes are 3" in diameter for bathtub and 4" in diameter for toilet.
- Floor joists span approximately 15'-7" with a 1'-2" cantilever. Floor joists are #2 2x10 at 16" oc cantilevered with standard D=10 psf and L=40 psf loading in addition to a point load at end of cantilever for roof loads and exterior wall weight.
- 4" drain hole is within 1.5" of bottom of floor joist and 3" drain hole is within 2.5" of top and bottom of floor joist.
- Install a 24" length of CS-16 coil strap centered between the holes. Install with fasteners per manufacturer's specs.

Overbored holes in Bathroom 4:

- 4" drain hole is drilled through multiple floor joists in the foyer.
- Floor joists span approximately 11'-6" and are #2 2x10 at 16" oc. Floor joists have standard D=10 psf and L=40 psf loading.
- 4" drain hole is within 1.5" of bottom of floor joist.
- Install a 24" length of CS-16 coil strap centered under hole. Install with fasteners per manufacturer's specs.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bradley Huxol", is written over a light blue horizontal line.

Bradley Huxol, PE

