

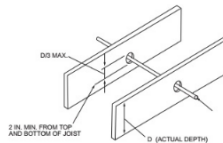
July 27, 2021

Summit Homes  
120 SE 30<sup>th</sup> St.  
Lee's Summit, MO 64082

**RE: Field Issue of PEX supply line holes bored within 2" of each other for Lot # 99 Manor at Stoney Creek – 4409 SW Tanzanite Circle Lee's Summit, MO 64082 – Permit # PRRES20210095**

This letter addresses the PEX supply line holes bored within 2" of each other and 4" hole bored for 3" diameter pipe in great room and kitchen for second floor framing for 99 Manor at Stoney Creek.

- 1/2" diameter PEX line holes and 4" shower drain hole are both drilled into multiple floor joists.
- Floor joists span approximately 16'-1" and are #2 2x10 double every other. Cantilevered area in great room is #2 2x10 double every other cantilevered. Floor joists have standard D=10 psf and L=40 psf loading with a point load at end of cantilevered floor joist.
- Pex line holes and 4" holes are centered in middle third of floor joist with 2" of joist at top and bottom.
- Install a 24" length of CS-16 coil strap centered over hole. Install with fasteners per manufacturer's specs.



For SI: 1 inch = 25.4 mm.

FIGURE R502.8 CUTTING, NOTCHING AND DRILLING

**R502.8.1 Sawn Lumber.**

Notches in solid lumber joists, rafters and beams shall not exceed one-sixth of the depth of the member, shall not be longer than one-third of the depth of the member and shall not be located in the middle one-third of the span. Notches at the ends of the member shall not exceed one-fourth the depth of the member. The tension side of members 4 inches (102 mm) or greater in nominal thickness shall not be notched except at the ends of the members. The diameter of holes bored or cut into members shall not exceed one-third the depth of the member. Holes shall not be closer than 2 inches (51 mm) to the top or bottom of the member, or to any other hole located in the member. Where the member is notched, the hole shall not be closer than 2 inches (51 mm) to the notch.

Sincerely,



Bradley Huxol, PE

