

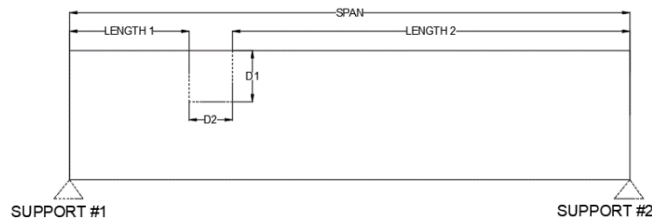
October 12, 2022

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

**RE: Field Issue of over notched joist for Lot # 156 Woodside Ridge – 365 NW Patch Ct  
Lee's Summit, MO 64081 – Permit # PRRES20222875**

**1. Over notched floor joist in garage:**

- Floor joist was notched on the side  $\frac{1}{2}$ " to accommodate plumbing for the depth (9.25") of the 2x10



SIMPLE SPAN

- D1 – 9.25"
- D2 – 4"
- Length 1 – 9"
- Length 2 – 14' 8"
- Span – 15' 9"
- Support #1 – Rear LBW at garage
- Support #2 – Garage W12 X 22 STL beam
- Location – Garage, under bath #2
- Loading -
  - Dead = 15 psf @ 16" oc
  - Live = 40 psf @ 16" oc

**Recommended modifications:**

- Sister a 6' length DFL #2 2x10 flush with rear garage load bearing wall. Attach with glue and (4) 3" Simpson SDS screws per linear ft. in a "w" pattern.

Sincerely,



Bradley Huxol, PE

