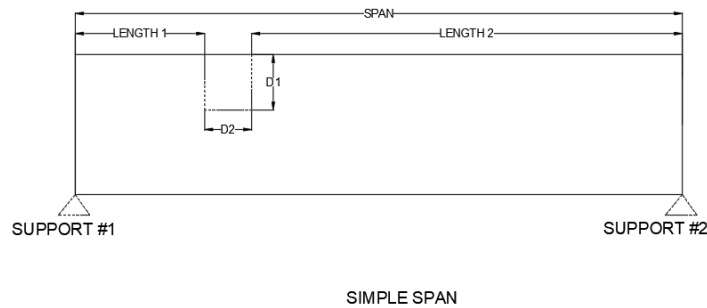


June 6, 2022

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

RE: Field Issue of over-notched floor joist for Lot #74 Hawthorne Ridge –1526 Arbor Falls, Lee's Summit, MO 64082 – Permit # PRRES20216146

Findings:



- D1 – More than 4"
- D2 – More than 4"
- Length 1 – 3"
- Length 2 – 15'
- Support #1 – Stud wall
- Support #2 – Foundation wall
- Location – Under Bathroom #1.
- Loading -
 - Dead = 15 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommendations:

Add additional support to existing 2x10 notched floor joist. Sister Douglas Fir Larch #2 2x10 joist for 6' length with 4 fasteners per linear ft in "W" pattern with 2-1/2" structural screws or 16D nails to existing notched floor joist.

Sincerely,



Bradley Huxol, PE

