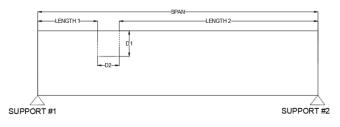


August 30, 2022

Clover & Hive 120 SE 30th St. Lee's Summit, MO 64082

RE: Field Issues of over notched and over bored hole for Lot #1 Osage – 2108 SW Holdbrooks Dr. Lee's Summit, MO 64082 – Permit # PRRES20215066

Unit 2106 - Over notch in floor joist:



SIMPLE SPAN

- D1 5"
- D2 4"
- Length 1 4'
- Length 2 7'
- Span 11'
- Support #1 Rear garage load bearing wall
- Support #2 garage steel beam
- Location above garage

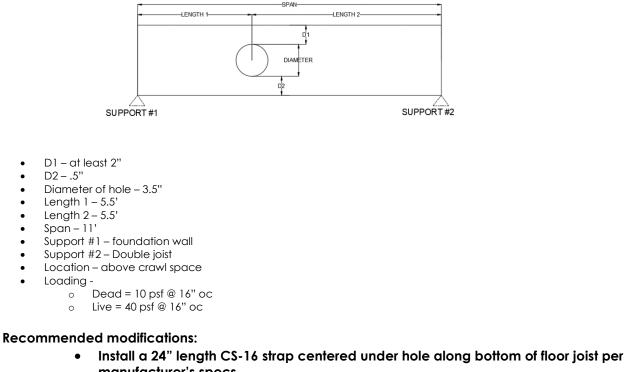
Recommended modifications:

- Install (2) DFL#2 2x10 as close as possible to over notched floor joist spanning approximately 11'.
- D1 5"
- D2-4"
- Length 1 1'
- Length 2 10'
- Span 11'
- Support #1 Rear garage load bearing wall
- Support #2 garage steel beam
- Location above garage

Recommended modifications:

• Sister a 6' length DFL #2 2x10 to over notched floor joist with 4 fasteners per linear ft in a "w" pattern and glued.

Unit 2106 – Hole within bottom 2" floor joist:



manufacturer's specs.

Unit 2108 – Hole within bottom 2" of floor joist:

- D1 at least 2"
- D2 at or less than 2"
- Diameter of hole .5"
- Length 1 5.5'
- Length 2 5.5'
- Span 11'
- Support #1 Load bearing wall, rear of garage
- Support #2 Steel W10 x 22 garage beam
- Location Garage
- Loading -
 - Dead = 10 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommended modifications:

• Install a 24" length CS-16 strap centered under hole along bottom of floor joist per manufacturer's specs.

Sincerely,

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Bradley Huxol, PE

