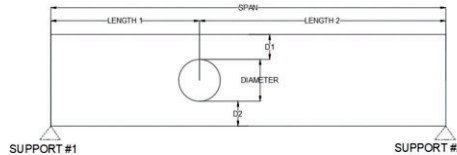


December 19, 2022

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

RE: Field Issue of holes in floor joists and rim joist for Lot #181 Woodside Ridge – 2063 NW O'Brien Rd, Lee's Summit, MO 64082 – Permit # PRRES20222410



1. Holes within top and bottom 2" and within 2" of another hole in two (2) floor joist below the flex room.

- | | |
|--|--|
| <ul style="list-style-type: none"> • Holes within 2" of another hole • D2 – at or less than 2" • D1 – at least 2" • Diameter of hole – 1.5" • Length 1 – 3" • Length 2 – 14' 6" • Span – 14' 9" • Support #1 – Rear foundation wall • Support #2 – Steel W8 x 13 basement steel beam • Location – Basement, under flex room • Loading – <ul style="list-style-type: none"> ◦ Dead = 10 psf @ 16" oc ◦ Live = 40 psf @ 16" oc | <ul style="list-style-type: none"> • Holes within 2" of another hole • D2 – at or less than 2" • D1 – at least 2" • Diameter of hole – 1.5" • Length 1 – 4" • Length 2 – 14' 5" • Span – 14' 9" • Support #1 – Rear foundation wall • Support #2 – Steel W8 x 13 basement steel beam • Location – Basement, under flex room • Loading – <ul style="list-style-type: none"> ◦ Dead = 10 psf @ 16" oc ◦ Live = 40 psf @ 16" oc |
|--|--|

Recommended modifications:

- Install 5' length of CS-16 under the holes per manufacturer's specifications.
- Edge of strap shall be installed adjacent to rear foundation wall sill plate

2. Hole in rim joist below the flex room.

- D2 – at or less than 2"
- D1 – at least 2"
- Diameter of hole – 5.5"
- Length 1 – 4"
- Length 2 – 14' 5"
- Span – 14' 9"
- Support – bearing for full length on foundation wall
- Location – Basement, under flex room

Recommended modifications:

- Sister a minimum 2' length DFL#2 2x6 over overbore.
- Glue and attach with 4 fasteners per linear ft in a "W" pattern.

Sincerely,



Bradley Huxol, PE

