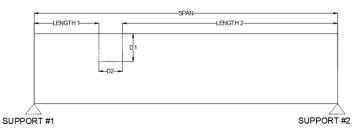


August 16, 2022

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

RE: Field Issues for lot #1A Osage – 2108 SW Holdbrooks Dr, Lee's Summit, MO 64082 – Permit # PRRES20215066



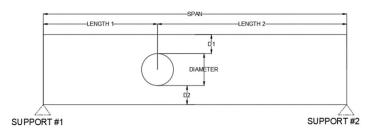
SIMPLE SPAN

1. Over notched rim board

- D1-4"
- D2 3.5"
- Length 1 4'-3"
- Length 2 11'-2"
- Span 15'-8.5"
- Support #1 Stud pack near HVAC
- Support #2 Exterior loadbearing wall
- Location Rear of garage

Recommended modifications:

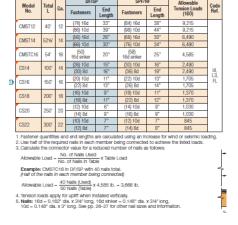
• Install 24" length of CS-16 on rim board and 2x4 bottom plate per manufacturer's spec's.



2. Field Issue of holes within 2" of each other in floor joists

- D1 at least 2"
- D2 at least 2"
- Diameter of hole 1"
- Length 1 12"
- Length 2 9'-9"
- Span 10'-9"
- Support #1 Header at stairs
- Support #2 Load bearing wall at front door

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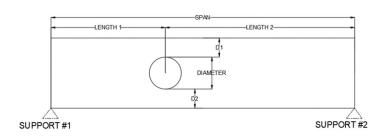
- Location front entry/foyer
- Loading -
 - Dead = 10 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommended modifications:

 Install 24" length of CS-16 on bottom of floor joist centered under the holes per manufacturer's spec's.

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Field Issues for unit B Osage -



Model No. Code Ref. CMST12 CMST14 CMSTC1 (50) I6d sin 4,58 CS14 14 0516 CS18 CS20 CS22 and end lengths t using an i d or sela ed nails in each for value for a n Allowable Load = $\frac{No. \text{ of Nalls Used}}{No. \text{ of Nalls In Table}} x$ Table Load Example: CMSTC16 in DF/SP with 40 nails total. (Haif of the nails in each member being connected) Allowable Load = <u> 40 Nalls (Used)</u> x 4,585 lb. = 3,668 lb 50 Nalls (Table) 4. Tension loads apply for uptit when installed vertically. 5. Nalle: 16d = 0.162° dia. x 3W long. 16d sniker = 0.148° dia. x 3W long 10d = 0.148° dia. x 3° long. See pp. 28-27 for other nall sizes and inform

3. Field Issue of holes within 2" of bottom of floor joists

- D1 at least 2"
- D2-2"
- Diameter of hole 1"
- Length 1 9"
- Length 2 13' 6"
- Span 14'-3"
- Support #1 LBW at rear of structure
- Support #2 W8x13 steel beam
- Location Rear of structure in basement
- Loading -
 - Dead = 10 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommended modifications:

• Install 24" length of CS-16 under the holes per manufacturer's spec's.

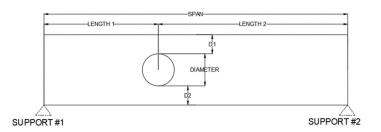
4. Field Issue of holes within 2" of each other in floor joists

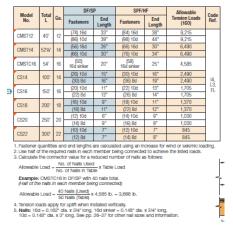
- D1 at least 2"
- D2 at least 2"
- Diameter of hole 1"
- Length 1 12"
- Length 2 9'-9"
- Span 10'-9"
- Support #1 Header at stairs
- Support #2 Load bearing wall at front door
- Location front entry/foyer
- Loading -
 - Dead = 10 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommended modifications:

• Install 24" length of CS-16 under the holes per manufacturer's spec's.

Field Issues for unit C Osage -





- 5. Field Issue of holes within 2" of each other in floor joists
- D1 at least 2"
- D2 at least 2"
- Diameter of hole 1"
- Length 1 12"
- Length 2 9'-9"
- Span 10'-9"
- Support #1 Header at stairs
- Support #2 Load bearing wall at front door
- Location front entry/foyer
- Loading -
 - Dead = 10 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommended modifications:

• Install 24" length of CS-16 on bottom of floor joist centered under the holes per manufacturer's spec's.

Sincerely,

1

Bradley Huxol, PE

