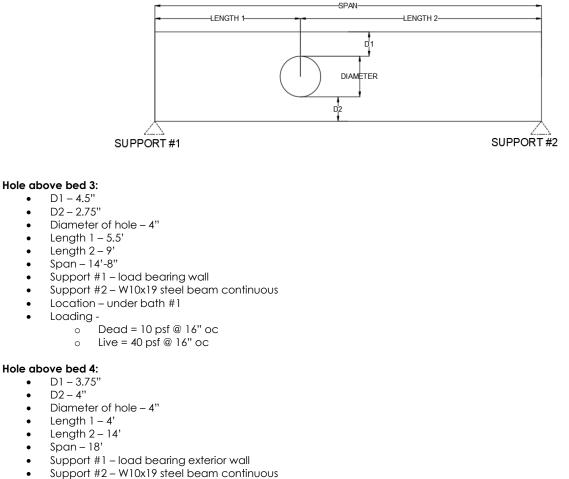


March 11, 2022

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

RE: Field Issue of over bored holes in floor joist and top plate splices for Lot #103 Woodside Ridge – 118 NW Ambersham Dr. Lee's Summit, MO 64081 – Permit # PRRES20213774

This letter addresses the over bored holes for DWV and the top plate splices for Lot#103 Woodside Ridge.



- Location under bath #2
- Loading -
 - Dead = 10 psf @ 16" oc
 - Live = 40 psf @ 16" oc

Recommended modifications:

- Install a 2' length of C\$16 strap per manufacturer's specs centered under the holes along the bottom of the floor joists.
- Install 24" length of CS-16 per manufacturer's specs at northwest corner of basement for top plate splice.
- Install (2) 24" lengths of CS-16 per manufacturer's specs at southwest corner of basement rec room for top plate splices.
- Install (2) 24" lengths of CS-16 per manufacturer's specs at southwest corner of basement for top plate splices.

	Model No.	Total L	Ga.	DF/SP		SPF/I	łF	Allowable	
				Fasteners	End Length	Fasteners	End Length	Tension Loads (160)	Code Ref.
	CMST12	40'	12	(74) 16d	33"	(84) 16d	38"	9,215	14, L3, FL
				(86) 10d	39"	(98) 10d	44"	9,215	
	CMST14	5216'	14	(56) 16d	26"	(66) 16d	30"	6,490	
				(66) 10d	30"	(76) 10d	34"	6,490	
	CMSTC16	54'	16	(50) 16d sinker	20"	(58) 16d sinker	25"	4,585	
•	CS14	100'	14	(26) 10d	15"	(30) 10d	16"	2,490	
				(30) 8d	16"	(36) 8d	19"	2,490	
	CS16	150'	16	(20) 10d	11"	(22) 10d	13"	1,705	
				(22) 8d	13"	(26) 8d	14"	1,705	
	CS18	200'	18	(16) 10d	9"	(18) 10d	11"	1,370	
				(18) 8d	11"	(22) 8d	12"	1,370	
	CS20	250'	20	(12) 10d	6"	(14) 10d	9"	1,030	
				(14) 8d	9"	(16) 8d	9"	1,030	
	CS22	300'	22	(10) 10d	7"	(12) 10d	7"	845	
				(12) 8d	7"	(14) 8d	8"	845	
1. Fastener quantities and end lengths are calculated using an increase for wind or seismic id 2. Use half of the required nails in each member being connected to achieve the listed loads. 3. Calculate the connector value for a reduced number of nails as follows: Allowable Load - No. of Nails Used No. of Nails In Table x Table Load									ding.
Example: CA/STC16 in DF/SP with 40 nails total. (Haif of the nails in each member being connected)									
Allowable Load = <u>40 Nalts (Used)</u> x 4,585 lb. = 3,668 lb.									
	5. Nalis: 160	1 - 0.1	62° d	r uplift when in ia. x 3%" long, 'long. See pp.	16d sinker	= 0.148" dla.			

Sincerely,

1/1

Bradley Huxol, PE

