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July 1, 2020

Foushee Homes, Inc.  
2511 Ringo Road  
Independence, MO 64057

Re: 4068 NE Chapel Manor Drive  
Lot 42 Parkridge  
Lee's Summit, MO  
Deck Beam Issue

Dear Mr. Foushee:

Based on actual measured dimensions you provided to me, the maximum outer deck beam span is 175" and it is supporting 5.5' of floor joist load of 40 psf Live Load plus 10 psf Dead Load. The current outer beam framing is 2 @ 2x12 treated pine.

Adding a third 2x12 to the outside of the beam would add the necessary strength to support the design loads. The third 2x12 should be nailed to the existing beam with two rows of 16d nails at 12" O.C. staggered.

If you have questions, please contact me at your convenience.

Cordially,

David P. Ainsworth, P.E.

