

David P. Ainsworth, P.E.  
P.O. Box 597, Buckner, MO 64016  
Cell Phone: 816-682-2093  
Email: [dainsworth@chelepis.com](mailto:dainsworth@chelepis.com)

November 18, 2018

Frank Sbisa  
Sbisa Homes  
29710 E Windmill Ridge Ln  
Lee's Summit, MO 64088

Re: Plan 3-25-18  
4733 NE Gateway Dr.  
Lee's Summit, MO 64083

Dear Mr. Sbisa:

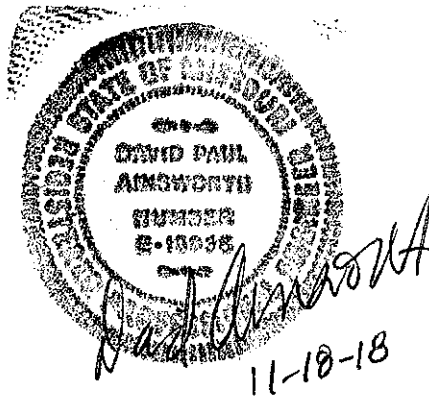
This will confirm our earlier discussions regarding the above referenced property which is under construction.

The deck plan calls for triple 2x10's at the exterior beams. I thought this was being done for aesthetic purposes. The span for the beams is only 6'-10" between posts. A single 2x10 is sufficient to support the imposed loads. Also it is not necessary for the beams to be continuous. It is acceptable to have breaks in the beam at the posts. On the end of the deck the triple 2x10's called for on the drawings is basically a single floor joist spanning 7' and a single 2x10 is acceptable here as well.

Cordially,



David P. Ainsworth, P.E.



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P.O. Box 597, Buckner, MO 64016  
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October 15, 2018

Frank Sbisa  
Sbisa Homes  
29710 E Windmill Ridge Ln  
Lee's Summit, MO 64088

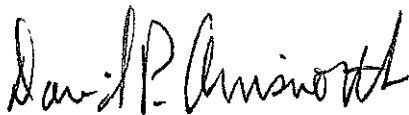
Re: Plan 3-25-18  
4733 NE Gateway Dr  
Lee's Summit, MO

Dear M. Sbisa:

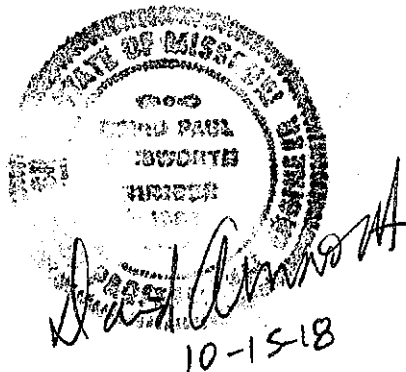
The plans for the above referenced property call for a W8x18 Steel I-Beam upset in the basement between the Gathering Room and the Master Bedroom on the first floor above. This beam would carry only first floor ceiling load and some roof load. I have reviewed the loads and it is acceptable to substitute 2 @ 1.75" x 9.5" LVL's for the W8x18 Steel I-Beam.

If you have questions or require additional information please feel free to contact me at your convenience.

Cordially,



David P. Ainsworth, P.E.



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October 25, 2018

Frank Sbisa  
Sbisa Homes  
29710 E Windmill Ridge Ln  
Lee's Summit, MO 64088

Re: Engineered Drawings for  
Plan 3-25-18  
4733 NE Gateway Dr.  
Lee's Summit, MO 64083

Dear Mr. Sbisa:

This will confirm our earlier discussions regarding the above referenced property which is under construction.

It is acceptable to substitute 3 @ 2x4 studs for the steel columns supporting steel beams in the garage and on the first floor as long as you install lateral blocking on each side of the studs to the next stud at mid height of the studs.

It is also acceptable to substitute 3 @ 1.75" x 9.5" LVL's for the 2 @ 1.75" x 11-7/8" LVL's shown on the plans between the Kitchen and Nook areas on the first floor.

Cordially,



David P. Ainsworth, P.E.

