

Mark E. Jones, PE  
Structural Engineering and Design

July 22, 2022

Wimberly Builders  
2563 Oak Grove Church Rd.  
Angier, NC 27501

Ref: Beam Letter Clarifications  
638 Pendergraft Rd.  
Bunnlevel, NC  
Project No. 22-051

To Whom it may concern;

The above referenced site was visited on April 24, 2022 for the following items:

1. Engineer to size/verify beams used during renovation.

Based on analysis, the conclusions regarding the condition(s) are:

1. The referenced project is an addition and renovation of an existing single family home. An existing carport is being enclosed for finished space and the wall between the new room and the existing kitchen is being removed. The wall supports an existing fitch beam above. The builder has provided a (2) 9 1/4" LVL beam to support the imposed loads. Also, the existing fitch beam may be supported by a minimum 2-2x10 hanger. The wall between the existing kitchen and living rooms is being opened up and will have an approximate 9'-1" opening. A new 2-ply 9 1/4" LVL beam with at least 2 studs at each end is required to support the loads above. The new beam supports are supported in the floor system by new triple 2x8 floor joists. The front load bearing wall between the existing bedrooms is being opened up and the builder has provided a (2) 9 1/4" LVL beam to support the loads. The new beam is supported by a hanger and new (2) 2x10 header above the new master bath door. The header is supported by one jack stud and one king stud minimum at each end. All existing construction is adequate to support the imposed design loads. No further action is required.

Thank you for this opportunity to assist you. If you have any questions or need any further assistance, please do not hesitate to call.

Respectfully,

Mark E. Jones, PE

