

Mark E. Jones, PE  
Structural Engineering and Design

March 3, 2021

CDKS, Inc.  
9229 Carley Circle.  
Garner, NC 27529

Ref: Site Observations and Analysis  
27 S. Broad St.  
Angier, NC  
Project No: 21-026

To Whom it may concern;

The above referenced site was visited on February 23, 2021 to address the following structural concerns:

1. Owner plans to open load bearing wall between spaces.

Based on observations and analysis, the conclusions regarding the structure are:

1. The owner is combining two spaces into one and is planning to create a 28' wide x 10' tall opening in the load bearing masonry wall that divides them. The new opening will require a load bearing header.

The new opening shall be spanned with a W16x50 steel beam. The beam shall have a 14" wide by 5/16" thick steel plate welded to the top to support the 14" wide brick wall above. The beam ends shall bear at least (4) 2x8 studs on 36"x36"x12" thick concrete footings.

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*

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