

11656 W. 75th Street  
Shawnee, KS 66214

P: (913) 631-2222  
D: (800) 780-8608

**HD Engineering & Design, Inc.**

Solutions for all your engineering and design needs

May 9, 2018

SAB Homes, Inc.  
PO Box 942  
Lee's Summit, MO 640630942

**Re: 4709 NE Gateway**

Our firm was asked to address framing inspection items for the home being built at the above location.

**Main Floor Joist Call Out**

The Plan has two foundation plans included to allow for a suspended garage floor option. One plan has a call for joist to be double every other and the other has single joist at 16" on center. With the current in field framing the clear span for the joist is 15'-4". The span is within code allowance for single joist spaced at 16" on center, the double every other greater than code option is not required for this area of the plan.


**Tall Wall at Kitchen**

The framer has built the tall kitchen gable wall out of two walls, a lower 9' wall with a shorter 4' wall on top. The 2x4 wall is framed at 16" on center. The wall needs to have CS22 coil strap placed over the hinge point to properly transfer loads (see attached calculation). The 14" strap section will be centered over the hinge and fastened per manufacturer recommendations.

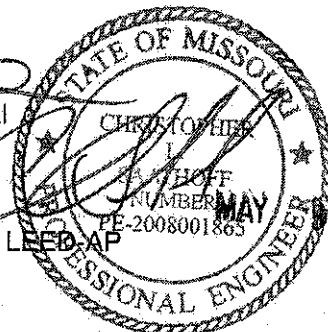
This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted engineering practices. No warranties, either express or implied, are intended or made.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact us.

Very truly yours,  
HD ENGINEERING & DESIGN, INC.

  
John Hulse, Principal

Chris Saathoff, P.E., LEED AP



2018

