HD Engineering & Design

Solutions for all your engineering & design needs

May 16, 2021

Wood Brothers Construction
P.O. Box 553
Lee's Summit, MO 64063

Re: 2304 SW Chase Circle (PRRES20203583)

Our firm has been asked to address framing inspection items for the home being built at the location listed above. At the time of inspection the home was in a rough framed state.

Garage Portal Frame
The bolting of the portal was not installed per plan. To allow the portal to properly transfer the loads imposed our firm recommends applying 7/16 OSB to the interior face of the narrow walls. The sheathing will be fastened at 3" on center with 8d nails.
With the addition of the sheathing our firm recommends approval of this item.

Drilled Holes in Joist
The electrician has drilled holes in a couple joist that are right on the edge of the 2" mark from the bottom of the joist. Based on the current framing configuration in place and the intended load paths the joist will be able to transfer the loads imposed as intended.
Our firm recommends approval of this item as framed.

LVL Beams at Upper Level
The extent of the LVL beams at the bonus, bedroom 3 and bedroom 2 are not run the extent shown on the plans. The configuration of the roof as framed and the inset gables required the alteration to LVL lengths. The current extent of the LVL beams and the roof framing are transferring the roof loads as intended to bearing members below.
Our firm recommends approval of this item as framed.

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

STATE OF MISSOURI
CHRISTOPHER L. SAATHOFF
NUMBER
PROFESSIONAL ENGINEER
16 MAY 2021

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