



May 26, 2016

Summit Custom Homes
120 SE 30th Street
Lee's Summit, MO 64082

Re: 420 SE Mill Creek Drive
Lot 89, Mill Creek

Apex Engineers Inc. observed the house under construction, located at the address above. Our firm was retained to address an issue noted during the city provided all-trade inspection.

The two LVL beams, supporting the covered deck roof, were notched at the connection to the house. After computations, the notched LVL connections will adequately support the design loads.

Our firm recommends approval of the framing item. This report does not constitute approval by the enforcing jurisdiction.

LIMITATIONS

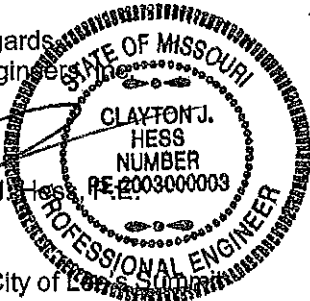
The scope of our services includes only those items specifically addressed herein. All other items are outside the scope of this inspection; including any environmental assessment (such as, but not limited to mold, mildew, or presence of any other toxic substance or environmental risks).

In addition, the scope our services does not include any evaluation of the building or site for job-site safety and/or hazardous conditions. All construction shall be performed in compliance with IRC and OSHA standards at all times. Our firm has not been retained to examine the site or building for any of these conditions. In addition, the contractor shall retain sole responsibility for the quality of work, for adhering to plans, specifications, appropriate codes, and, for repairing defects, deficiencies or omission, regardless of when they are found. By the use of this report it is understood the above conditions are agreed to.

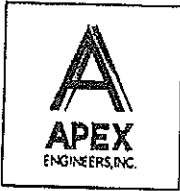
Please call if Apex Engineers, Inc. can be of further assistance.

Best Regards,
Apex Engineers, Inc.

Clayton J. Hess
Principal



cc: City of Lee's Summit



Apex Engineers, Inc.

Job Address: 420 SE Mill Creek Drive

Sheet # 1 of 1

Lot 89 Mill Creek

Engineer: CJH

Date: 05/26/2016



NDS $E_f = 3.4 \times 10^6$

$$V = \left[\frac{2}{3} \times 285 \text{ psi} \times 3.5'' \times 6.5'' \right] \left[\frac{6.5''}{9.5''} \right]^2$$

$$V = 2033 \text{ lb}$$

$$P = \frac{13.5' \times 13.5'}{4} \times (20 \text{ PL} + 20 \text{ LL})$$
$$= 1822 \text{ lb}$$

$V > P \therefore \text{OK}$

