



August 17, 2020

Walker Custom Homes, LLC
Attn: Jason Walker

Re: 1804 River Run Drive

Vista Structural Engineering, LLC, was asked to address the following item called out during rough-in inspection by the city. Below is the inspection report comment and our response:

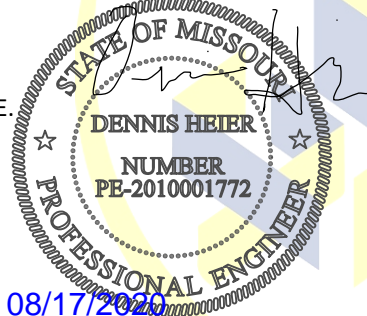
- **Address over-cut LVL hips in great room and master closet.** *Based on the attached calculation, the minimum depth of the LVL hip required at the interior face of both bearing locations is 2". Since there is more than 2" of depth at both locations, we recommend approval of the LVL's without remediation.*

Our firm appreciates the opportunity to serve you. If you have any questions or if you need anything further, please feel free to contact us.

Sincerely,

Vista Structural Engineering, LLC

Dennis Heier, P.E.



VISTA STRUCTURAL ENGINEERING, LLC

14718 NW DELIA STREET
PORTLAND, OREGON 97229

PHONE: 971.645.0901
VISTASTRUCTURAL.COM



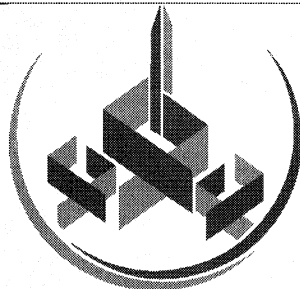
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PROJ: 1804 RIVER RUN DR.
DATE: 8/17/2020
PROJ #:
ENGR: DMH



VISTA
—STRUCTURAL—
ENGINEERING, LLC

$$P = \frac{(0' \times 10')}{4} \times 30 \text{ psf} = 750 \#$$

$$F_b = 285 \text{ psi}$$

$$A_{min} = \frac{P}{F_b} = \frac{750 \#}{285 \#/\text{in}^2} \\ = 2.63 \text{ in}^2$$

$$\text{WIDTH OF LVL} = 1.75 \text{ in.}$$

$$d_{min} = \frac{2.63 \text{ in}^2}{1.75 \text{ in}} \\ = 1.50 \text{ in.}$$