

Richardson Engineering Service

Glen E. Richardson, P.E.

501 S Desert Shelter Drive

Ivins, UT 84738

435-260-1789 gerengr@gmail.com

6-14-21

Mr. Jason Butcher
Lee's Summit, MO

Re: **Coldwater Project**

Dear Jason:

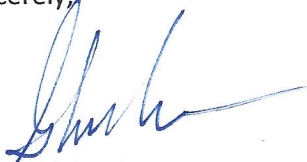
Per your request, I have evaluated the capacity of the roof framing of the building housing the Coldwater project to support the additional loads placed on the structure by a planned range hood and makeup air unit.

The range hood measures 5'-8" x 9'-0" and has a weight of 608 pounds per information provided by BC Engineers. The makeup air unit measures 1'-9" x 5'-11" and weighs 468 pounds. BC provided that information as well.

The existing roof is framed with 24" deep bar joists spanning 38'.

Using the size, weight, and proposed location of each unit, I evaluated the ability of the bar joists to carry the additional loads. It is my conclusion that the existing framing will not be overstressed by the addition of the two proposed units.

Sincerely,



Glen E. Richardson, P.E.

