



August 12, 2020

Tedrow Design Group, PC  
2866 Adams Brook Way  
Snellville, Georgia 30078

Re: **Flying Biscuit Lee's Summit – Mechanical Support**  
SSE Project #: 20235

I am pleased to provide this letter detailing the ability of the existing structure to support the proposed renovation at Summit Orchards Lot 4B, Tenant E Flying Biscuit, 460 NW Chipman Rd, Lee's Summit, MO 64086.

The roof framing consists of 16" bar joists (marked as 16KCS2) spanning 34'-0" and spaced at 5'-0" on center. The joists are supporting RTU + curb – 1100 lbs, MAU – 664 lbs, Exhaust fan – 246 lbs, and two hoods, 600 lbs or less each. The proposed angle supports for the RTU consist of L3x3x1/4 angles welded to the side of the top chord of the joists. Provide 1/8" welds x 3" long. Provide L3x3x1/4 web reinforcing if corners of units are not within 6" of top chord panel point.

I am satisfied that the existing structure is sufficient to support the proposed mechanical equipment load. All analysis has been done in accordance with International Building Code 2018 edition.

We appreciate you using Smiley Structural Engineering for structural expertise. Please do not hesitate to contact me with any questions or comments in this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Shayah Smiley', is written over the word 'Sincerely,'.

SMILEY STRUCTURAL ENGINEERING  
Shayah Smiley, PE  
Principal

8/12/2020

