



250 NE Mulberry St., Suite 201
Lee's Summit, MO 64086
816.444.3144
www.leok.com

03/10/2023

Chris Smith

RE: New RTU on existing roof joists at 805 NE Lakewood Dr, Lee's Summit, MO

Dear Mr. Smith,

Leigh & O'Kane has evaluated the existing roof structure of a building located at 805 NE Lakewood Dr, Lee's Summit, Mo. The existing roof joists have been measured and the measurements have been submitted to the Steel Joist Institute for joist identification. The Steel Joist Institute concluded that the joists in question are 18K5s. The historic loading tables have been used to determine the existing joist load capacity. New loading conditions have been calculated due to the new mechanical units placed. In the end it was determined that the new loading condition does not exceed the existing joist load capacity. It is acceptable to leave the new mechanical unit as is it installed at a present location.

Sincerely,

Justas Baltrusaitis, P.E.

