Inspections Division
Date: 12/13/16

SRG
ENGINEERING, INC.
STRUCTURAL ENGINEERS

November 28, 2016
16-100

Mr. Christopher C. Green
Mechanical Services, Inc.
400 Presumpscot Street
Portland, ME 04103-5292

64 Cove Street (Cyclemania), Portland, Maine

Dear Chris:

As requested, we have conducted a structural analysis of the roof beam line that will be supporting the three (3) proposed Daiken Ductless Mini Split RTU's (roof top units) that each weigh 139 pounds. We understand each of the proposed RTU's is 34 1/4 inches x 12 5/8 inches in plan size, which translates to an equivalent uniform RTU load of 46psf. We further understand that each of these units will be centered lengthwise over the 2nd steel beam line (as entering the building).

The minimum design flat roof snow load (Pf) set forth in the 2009 International Building Code (IBC) per the Maine Uniform Building and Energy Code (MUBEC) for this geographic area is 42psf.

As a result, our analysis indicates the existing steel beam line will safely support the proposed RTU's provided they are centered lengthwise over each existing beam.

The conclusions contained within this brief letter report are based on my observations, evaluation, experience, and understanding of the conditions as represented herein. SRG Engineering shall not be held liable for any errors or omissions that may arise as a result of erroneous or incomplete information provided by others. We also trust the information provided within this brief letter report meets your needs. Professional services rendered are believed to be consistent with others performing similar work in the geographic area at the time services were rendered.

Thank you for using SRG Engineering for your structural engineering needs.

Sincerely,

SRG ENGINEERING, INC.

Steven R. Grant, P.E.
President

SRG:srg

STATE OF MAINE
STEVEN R. GRANT
No. 6825
LICENSED
PROFESSIONAL ENGINEER
11-28-16