

Bruce W. MacLeod, PE

Professional Engineer

November 1, 2016

Chris Scott  
Marijuana growing facility  
470 Riverside Street  
Building 2 Unit A  
Portland, Maine

Dear Mr. Scott:

On November 1, 2016, I met with you and inspected the roof framing at the above business. The purpose of my visit was to evaluate the roof framing for the purpose of supporting four air handling units from the existing bar joists. This letter is a report of my findings and recommendations.

The subject building is a one level commercial structure constructed with cmu load bearing exterior walls and steel bar joist roof framing. The steel bar joists are 39 inches tall and are spaced at 5'-6" on center. The joists clear span the structure, approximately 56.5 ft.

The air handling units to be installed weigh approximately 380 lbf each. There are 4 units to be installed in one bay and an additional unit to be installed in a separate bay. The four AHUs will be spread out over the span of the joists and will be supported by 3 adjacent joists by using uni-strut and threaded rod.

Based on my analysis of the joists for the proposed loads, as well as current code prescribed loads, the bar joists are capable of supporting the AHUs.

Thank you for the opportunity to provide this report. I would be pleased to discuss any items in this report should you need further assistance.

Sincerely,

