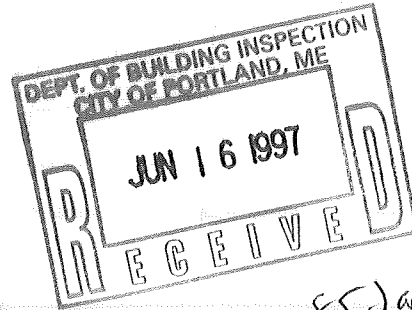
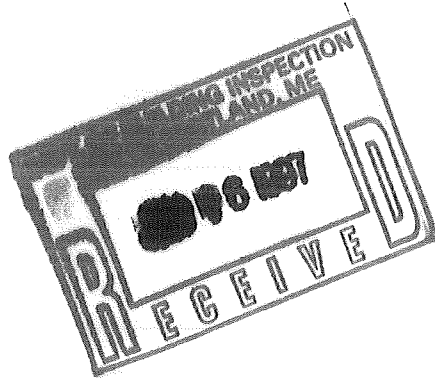


ALEXANDER HUTCHEON ASSOCIATES
ENGINEERS

519 CONGRESS STREET
PORTLAND, MAINE 04101
TELEPHONE 207 774-0484

10-30
16th

June 10, 1997



Mr. Chris Dahlgren
Dahlgren Construction Company
20 U.S. Route 1
Yarmouth, Maine 04096

85 James

Re: Roof load capacity; Gilman Electric Building, Portland, Maine

Dear Chris:

At your request, I have examined the roof framing at the Gilman Electric Building, St. James Street, Portland, Maine, to determine the effect of the installation of several oil-fired unit heaters, hung from the roof framing.

I measured the tapered beams which support the roof purlins, and from which you propose to re-hang the unit heaters.

As shown on the enclosed calculation sheets 1 and 2, dated June 9, 1997, the tapered beams are amply adequate for the imposition of the unit heater loads.

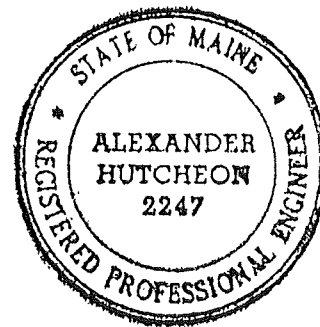
It is assumed that the heaters will be suspended so that their loads are supported directly by the tapered beams, and are not introduced through the purlins.

Your questions and comments regarding this report are welcome.

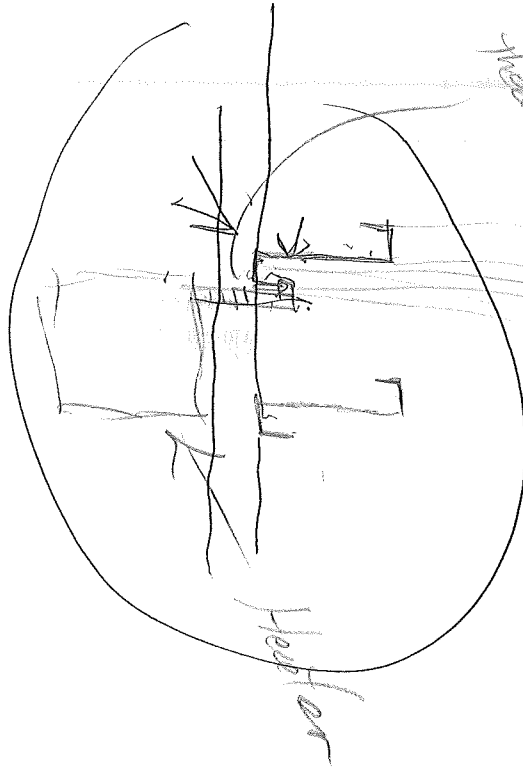
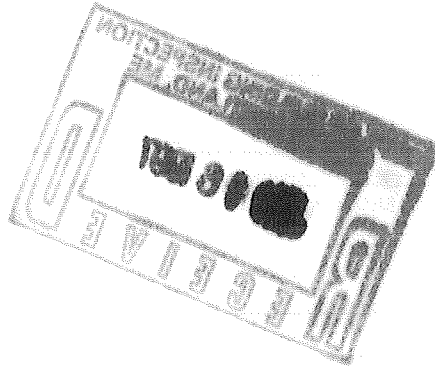
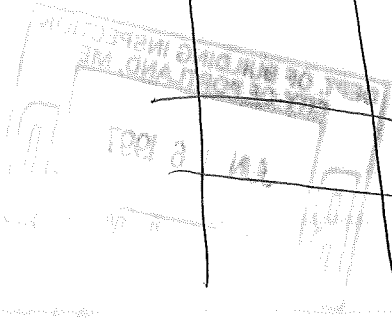
Very truly yours,

ALEXANDER HUTCHEON Associates,
Engineers

Alexander Hutcheon, P.E.
President



Enclosures: Calculation sheets 1 and 2



Hoofers