

# Lincoln/Haney Engineering Associates, Inc.

Structural Engineering Consultants

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Donald A. Bragdon (1945-93)

April 10, 2009

Mr. Earl Reagan  
106 Merrill Road  
Gray, ME 04039

Subject: Mezzanine Framing, Roundhouse, Portland, ME

Dear Mr. King:

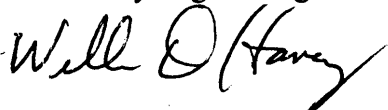
On April 8, 2009, I examined the mezzanine framing at the Roundhouse project on Presumpscot Street in Portland. The framing was in general compliance with the Drawing S1 produced by our office, dated March 10, 2009. You described one exception to the plans along the support wall enclosing the offices below. The original configuration called for a wall at the mezzanine level, directly above the office wall below. This arrangement was subsequently modified to enlarge the mezzanine by four feet with cantilever LVL beams at 11 foot intervals. The common mezzanine floor framing was then designed to hang from the LVL beams. At the office wall line, the original wall was cut off at the mezzanine floor level and two 2x10 joists were nailed to the wall studs, one on each side with 2 rows of 16d nails instead of framing with double joist hangers to the LVL beams.

In my opinion, this change is structurally acceptable and does not diminish the live load capacity of the mezzanine.

During the same site visit, I also examined the framing for a mechanical mezzanine over the entry vestibule which was not detailed on the plans. This framing consists of 2x10 at 16" spanning seven feet from a 2x6 bearing wall on one end to a double 2x10 rim joist over a six foot opening at the other end. It is my opinion that this framing is adequate to support the HVAC units mounted above.

Sincerely,

Lincoln/Haney Engineering Associates, Inc.



William D. Haney, P.E.

APR 22 2009