

ROOME & GUARRACINO, LLC

Consulting Structural Engineers

48 Grove Street Somerville, MA 02144

Tel: 617.628.1700 Fax: 617.628.1711

July 24, 2018

Mr. Robert Linn A.I.A.
Moskow Linn Architects
88 Broad Street
Boston, MA

Reference: 78 Halsworthy Road – Cambridge, MA

Dear Robert;

At your request, we have reviewed the existing floor and roof framing at the above referenced address. We analyzed the existing first floor framing, second floor framing, and roof framing for the code mandated loadings. The existing first and second floor wood framing was analyzed for code mandated residential dead and live loads and was found to be grossly overstressed, and to have excessive amounts of deflection. The existing roof framing was analyzed for the dead load and the code mandated snow load for Cambridge, and again found to be severely overstressed and having excessive deflections. Due to the amount of overstress, building layout, and long spans for the wood framing; strengthening the existing framing by sistering with new members, etc. will be ineffective without completely redoing the framing, increasing the depth of the floors and changing the layout of the building.

Should you have any questions or need any additional information, please do not hesitate to contact our office.

Very truly yours,
Roome & Guarracino, LLC



Reginald Roome II, P.E.
Partner

