

Phone 207-743-6585

Fax 207-744-0109

September 7, 2012

Allyn Gee

RE: 116 Winter Street
Portland Maine

As a result of my inspection yesterday I find the following:


The new ridge boards (1.8E, 2750 Fb, , 1 3/4 x 11 7/8 2 plys) are sufficient. The members are stressed to 61% and the live load deflection is 88%.

The total end reactions are 3400 lbs. which bear on 5 1/4" x 5 1/4" stud columns. These columns can support 15,000 lbs. which is more than sufficient.

However the 3-2"x 10" ceiling header in the 1st floor ceiling is overstressed by 200% + or -. This header should be changed to three LVL's. 1.8E, 2750 Fb 1 3/4 x 9 1/4" members. These members will be stressed to only 58%.

Feel free to call should you have any questions.

Sincerely yours,



Eric N. Grondahl P.E./TPI

