Inspections Division
Date: 11/14/13

Andrew M Jackson, PE
Jackson Engineering
11 Luther St.
Peaks Island, ME 04108

September 18, 2013

Julian Gazdik

Re: **New Beam**
25 Deane Street, Portland, Maine

Dear Julian:

This letter is to confirm the beam and associated details shown on my CAD drawings prepared September 18, 2013 have been checked according to the 2009 *International Residential Code*, the *Wood Frame Construction Manual*, and the AISC *Manual of Steel Construction*.

1. Steel: ASTM A992. Fy = 50,000 lb / in^2.
2. Dead loads (pounds per square foot):

Framing	2.5
Flooring	4.0
Sheathing	3.0
Ceiling	2.5
Insulation	0.5
Miscellaneous	1.5
Partitions	10.0
Total	24

3. Live loads per IRC Table R301.5 (pounds per square foot):

Non-sleeping rooms	40
Sleeping rooms	30

4. Design checks are for one beam spanning approximately 22'-0" over the proposed kitchen and its associated details. This letter does not consider any other aspects of the building design including existing wood framing, zoning, architectural dimensions or details, etc.

Best Regards,
Andy Jackson

STATE OF MAINE
ANDREW M. JACKSON
No. 13082
LICENSED
PROFESSIONAL ENGINEER

1 ENGINEER'S NOTES
1/8" = 1'-0"

Deane Street Residence

ADDITION AND ALTERATIONS

Portland, Maine

Client:
Mr. & Mrs. Julian & Heather Thomka-Gazdik
25 Deane Street
Portland, Maine

~~Proligent:~~
Julian Thomka-Gazdik
25 Deane Street
Portland, ME 04102
917-816-6003

Engineer:
Andrew Jackson, PE
11 Luther Street
Peaks Island, ME 04108
207-600-6106

Please Note: This drawing is for design purposes only and is not guaranteed as to structural soundness. Customers should consult an engineer or architect to confirm the design's suitability before taking any final action regarding construction.

All dimensions & existing conditions shall be verified by the contractor in the field before proceeding with the work.

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Issue Date	Revisions
October 15, 2013	For Review
October 21, 2013	For Permit Submission

Drawing Title
PROPOSED STRUCTURAL NOTES

Drawn		Date	03-22-13
Checked		Scale	AS NOTED

Drawing No.
S.2

Document