

December 12, 2013

Mr. George Froehlich  
Code Enforcement  
City of Portland Maine  
389 Congress Street Room 315  
Portland, ME 04101

RE: 33 Atlantic Street Ridge Beam  
Portland, Maine

Dear Mr. Froehlich,

On Monday December 4, 2013 I visited the above location to review and evaluate the rough framing of the roof at the rear of the building. Specifically I reviewed the ridge beam and ridge beam support framing in the vicinity of the added dormers.

The ridge beam is supported by built-up common roof rafters at one end and a wood stud bearing wall at the other end. After field review, I have instructed Mr. Gan to add 4-2x4 ganged studs beneath the rear bearing wall supporting the ridge beam to maintain the load path. The current framing does not have a continuous load path as the studs are discontinuous at the wall plate. The ganged studs will need to be ripped to a depth of 3" to fit behind the residential sprinkler line currently installed. The sprinkler line will need to be temporarily relocated or removed in order to install the additional studs. Please refer to the attached photo.



With this modification in place, it is my opinion that the existing dormer ridge beam framing is adequate to support the code required roof loads in this vicinity and that there are sufficient load paths to distribute this load through the existing framing.

Our review and opinions are limited to the dormer ridge beam framing. We have not reviewed other framing in the project and cannot comment as to other aspects of the work. I trust this information addresses your concerns at this time. If you have any questions, please contact me and I will be happy to respond to your inquiry.

Sincerely,  
Becker Structural Engineers, Inc.

Paul B. Becker, P.E.  
President

