



ENGINEERING SUCCESS TOGETHER

November 18, 2014

Mr. Ron Edwards  
Manger, Engineering and Energy  
Revere Copper Products, Inc.  
24 North Front Street  
New Bedford, Massachusetts 02740

**Re: Documentation of Existing Structural Conditions  
Revere Copper Stone Building #16  
New Bedford, MA**

Dear Mr. Edwards:

As requested, we have prepared this letter to document our findings of existing structural conditions at the Stone Building located on the Revere Copper property, located at 24 North Front Street in New Bedford, Massachusetts. On October 30, 2014, the referenced Stone Building was inspected by Joel Lunger, P.E., when the following conditions were noted:

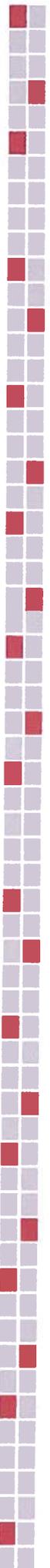
1. The partially collapsed brick wall at the eastern end is unstable, as it is unsupported at the top and exhibits severe buckling approximately one (1) foot above its base.
2. The eastern end of the roof is unsupported, since the aforementioned brick wall had collapsed. As a result, it is thrusting against the eastern end of the southern brick and granite wall and pushing it outwards. The brick and granite wall is also unsupported.
3. The unsupported roof structure is imparting potentially excessive loads to the next interior truss frame. Should the next truss frame fail, a progressive collapse is likely.
4. The condition of the roof can be further exacerbated by snow loading during the upcoming winter season.
5. The open structure and roof is susceptible to wind loading. The connectivity of the roof to the walls is limited and has been compromised by the recent wall collapse.
6. Due to corrosion and ongoing freeze thaw damage, many of the slate shingles are not physically attached to the building and are free to become airborne.
7. There are many loose bricks resting on top of the roof and wall structures that present falling debris hazards.

Please note that the conditions noted above, in part or in combination thereof, provide a reasonable likelihood that additional uncontrolled, partial or progressive collapse of the Stone Building is imminent. As the unsafe conditions cannot be reasonably remedied without endangerment of

**BETA GROUP, INC.**

315 Norwood Park South, 2nd Floor, Norwood, MA 02062

P: 781.255.1982 | F: 781.255.1974 | W: [www.BETA-Inc.com](http://www.BETA-Inc.com)



Mr. Ron Edwards  
November 18, 2014  
Page 2 of 2

construction personnel and/or extraordinary expense, demolition of the Stone Building is necessary in accordance with the Massachusetts Building Code, IBC Section 116 and IEBC Section 115 and 117. Consequently, our recommendation is that the Stone Building be demolished as soon as possible.

If we can be of any further assistance regarding this matter, please call either of the undersigned.

**Very truly yours,  
BETA Group, Inc.**



Joel Lunger, P.E.  
Senior Project Manager



Alan D. Hanscom, LSP  
Vice President

Cc: Ron Edwards, Revere Copper Products, Inc.

