

May 20, 2016

Mr. Joseph Reed  
Architectural Testing Inc.  
130 Derry Court  
York, PA 17406

**RE: Harbor Terrace Apartments  
Window Installation Analysis Report  
284 Danforth Street  
Portland, Maine 04102  
PEC Job No.: 160804**

Dear Joe:

We understand the proposed window installations at the captioned location require submittal of a structural analysis package addressing the various components and their anchorage to the building structure. Per your request, we have reviewed the analysis report prepared by Architectural Testing, Inc., in conjunction with the Harbor Terrace Apartment shop drawings and the Harbor Terrace Apartments Specification, Section 085113 in order to determine if the proposed installation complies with the intent of the 2009 International Building Code (IBC). The 2009 IBC is the current Building Code for the state of Maine. The report and drawings that we reviewed were as follows:

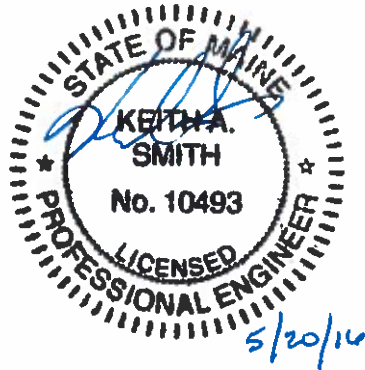
- Harbor Terrace Apartments Installation Analysis report for Harbor Terrace Apartments, Report F8229.01-122-34, Dated May 19,2016, Rendered to S&L Specialty Contracting, Inc.
- Harbor Terrace Apartments Aluminum window specification, Section 085113, 17 Pages
- Harbor Terrace Apartments window replacement shop drawings; for Graham Architectural Products, Inc; Dated 04/21/2016, Sheets C-01, BE-01 through BE-04, WE-01 through WE-09, WD-01 through WD-11; 25 sheets total

The captioned building has a mean roof height of 80 feet and is considered to have an Exposure Category C. Wind pressures for design wind pressure analysis were determined utilizing the methods of ASCE 7-05, which is referenced by the 2009 IBC.

Our review of the installation analysis revealed that ATI has used standard engineering principles to determine the loadings, stress distribution, and deflections of the various curtainwall components and their anchorages. We agree with the analysis performed in the ATI report and believe that it properly addresses the structural analysis of the window wind pressures as well as the anchorage of the windows to the building structure. Consequently, it is our opinion that the analysis report complies with the intent of the 2009 IBC.

We appreciate the opportunity to be of service to you. If you need any further information or have any questions, please contact us.

Thank you,



Keith A. Smith, P.E.  
Director