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MEMORANDUM

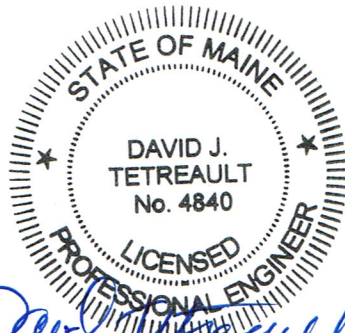
Date: **January 21, 2013**
Project: **191 Pine Street, Portland, ME**
To: **David Lloyd, Archetype, P.A.**
From: **David Tetreault**
Subject: **Fire Escape**

I conducted a follow-up investigation of the fire escape at the subject property on Jan 14, 2012. Additional vertical handrail supports have been added since my preliminary inspection of Dec. 4, 2012. The vertical handrail supports and the handrails consist of 1"x1"x1/8" steel angles sections. The vertical handrail supports are welded to the steel plate stringers with continuous fillet welds. All welds appeared to be in good condition. The maximum spacing of the vertical handrail support pieces is 32". I have completed structural calculations and concluded that the handrails and the handrail supports are capable of supporting the loadings required by IBC/2009 as described in my Dec. 07, 2012 memo.

During my Jan 14, 2013 inspection, the drop ladder was lowered to the ground and the pivot pins inspected. I found that the drop ladder was operational and the pivot pins were in good condition.

As stated in my Dec 07, 2012 memo the entire steel fire escape structure is covered with surface rust. The current condition of the fire escape is acceptable as there was no area observed where corrosion has resulted in base metal loss. However, corrosion will continue if the steel is not protected. I recommend that the entire fire escape be thoroughly cleaned of all surface rust and painted with a rust inhibitive primer and an enamel or oil-based exterior paint top coat.

Based on my inspections and calculations, I have concluded that the fire escape can be safely used and that it is capable of supporting the loadings required by the international Building Code, IBC/2009 and the International Fire Code IFC/2009.



SIGNATURE: _____

David J. Tetreault