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Owned by the City of Portland

6 July, 2015

Tammy Munson
Director, Inspection Services
City Hall
389 Congress St.
Portland, ME 04104

Keith Gautreau
Assistant Fire Chief
Central Fire Station
380 Congress St.
Portland, ME 04104

Dear Tammy & Keith;

Thank you for taking the time to meet with me last Friday. The intent of this letter is to review, for the record, what was discussed regarding the Egress Capacity of the concourse area here at the Portland International Jetport in relation to the Secure Exit Portal:

In 2013, the Jetport installed the Secure Exit Portal in order to facilitate security control measures in the concourse area. At that time, I submitted, as part of the overall building permit package, a LIFE SAFETY PLAN, attached. That plan is a diagrammatic analysis of the Means of Egress, based upon the total calculated occupant load and the multiple means of egress available in the area. The total allowable occupant load is, in this case, dependent upon the total door width available. At that time, I included the Secure Exit Portal as part of the means of egress. You will see that I calculated the total occupant load to be 919 and that the total available occupant load, based upon the total Means of Egress was 1,484, far exceeding the minimum requirement of 919.

We have since realized that for security reasons it would be desirable to remove the Secure Exit Portal from the Means of Egress. For this reason, I revisited my original analysis to determine how this might best be accomplished.

At this point, I should note that I believe my original calculations were based on the assumption that all of the doors that comprise the Means of Egress were 3'-0" wide. When I revisited my calculations, I physically measured each and every door in the area and discovered that all but one of them are, in fact, 3'-6." Of course each 3'-6" door has

considerably more egress capacity than the original 3'-0" I had based my original calculations on.

You will find attached a second LIFE SAFETY PLAN, marked and clouded REVISED PLAN 6-29-15, in which I have recorded the actual width of each door, removed the Secure Exit Portal from the calculations, and revised the math accordingly (for clarity, all of these revisions are clouded as well). Because we had started out with a total allowable capacity that was very much higher than required, and because the doors in the Means of Egress are so much wider than originally calculated, you will see that the revised total allowable occupant capacity, at 1,178, still exceeds the minimum requirement of 919.

Based on our conversation Friday, we can in fact remove the Secure Exit Portal from the Means of Egress. Because there is no permitting involved, your only requirement is that I submit this letter and the Means of Egress analysis for your files. I will assume that, unless I hear otherwise, the removal of the Secure Exit Portal from the Means of Egress is acceptable.

I very much appreciate the prompt attention you gave me in this matter.

Sincerely,

A handwritten signature in purple ink that reads "C. Feagles". The signature is written in a cursive, slightly slanted style.

Cuyler Feagles, AIA, LEED AP

