



1001 Westbrook Street  
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[www.portlandjetport.org](http://www.portlandjetport.org)

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

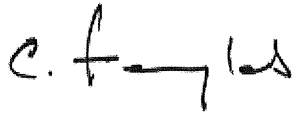
considerably more egress capacity than the original 3'-0" I had based my original calculations on.

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.

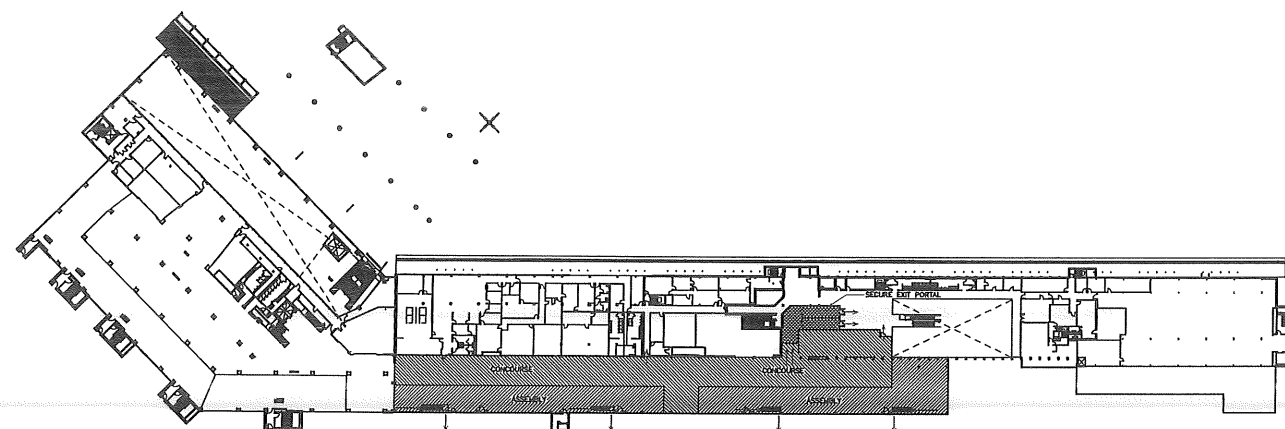
Based on our conversation Friday, we can in fact remove the Secure Exit Portal from the Means of Egress. Because there is no permitting involved, your only requirement is that I submit this letter and the Means of Egress analysis for your files. I will assume that, unless I hear otherwise, the removal 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 black ink, appearing to read "C. Feagles". The signature is written in a cursive, slightly slanted style.

Cuyler Feagles, AIA, LEED AP



**AIRPORT TERMINAL OCCUPANT LOAD FACTORS:**

CONCOURSE= 13,908 SF= 139 OCCUPANT LOAD  
 WAITING= 11,690 SF= 780 OCCUPANT LOAD  
 919 TOTAL OCCUPANT LOAD

**SHEET NOTES NOTES:**

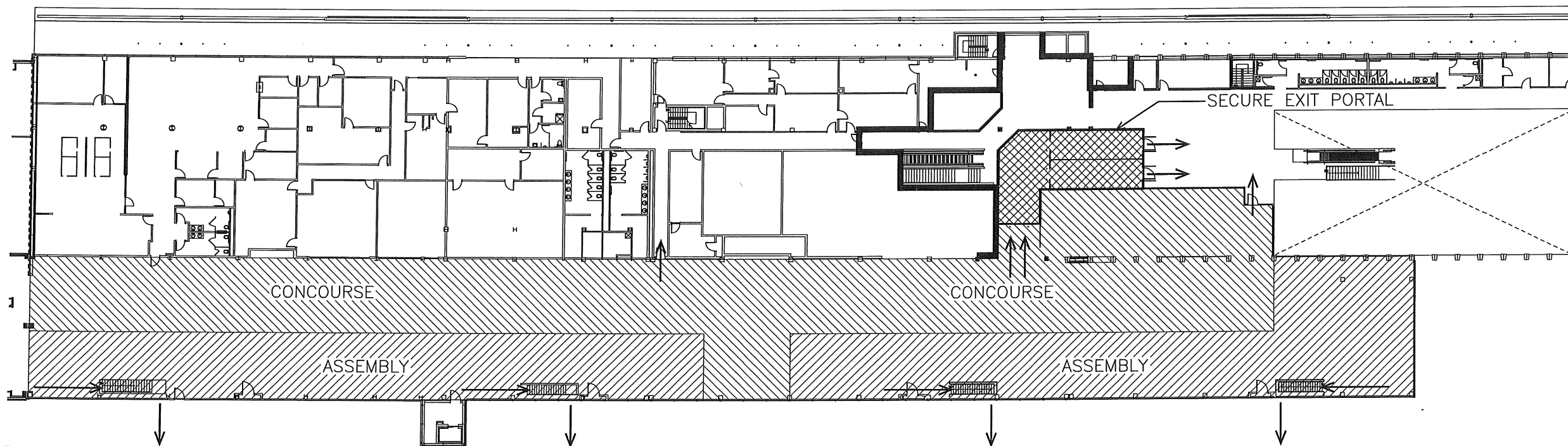
TOTAL NUMBER OF MEANS OF EGRESS: 8  
 TOTAL DOOR EGRESS WIDTH: 297"  
 TOTAL ALLOWABLE OCCUPANT CAPACITY: 1,484  
 MAXIMUM LENGTH OF TRAVEL=124 FEET

General Notes

ISSUED FOR PERMIT APPLICATION  
 11/5/2012



**J1 SECOND FLOOR PLAN: EXIT PORTAL**  
 C-1 SCALE: NTS



**C1 SECOND FLOOR PLAN: OCCUPANCY LOADS**  
 C-1 1/16" = 1'-0"

**LEGEND**

CONCOURSE: 100 SF/ OCCUPANT

WAITING: 15 SF/ OCCUPANT

MEANS OF EGRESS

No.	Revision/Issue	Date



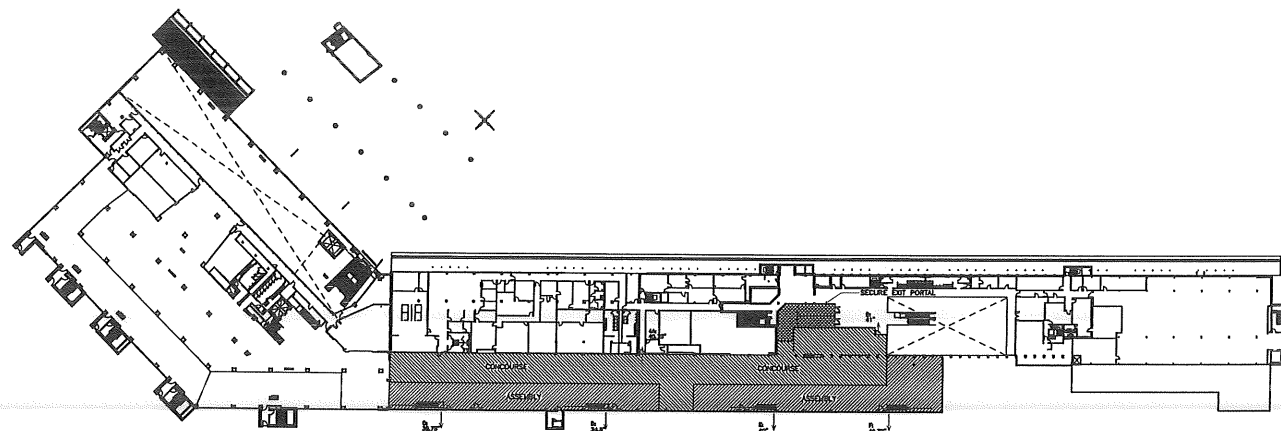
**Facilities & Engineering**  
 1001 Westbrook ST  
 Portland, ME 04102  
 207-874-8877

Project Name and Address  
**SECURE EXIT PORTAL AND ASSOCIATED RENOVATIONS**

Sheet Title  
**LIFE SAFETY PLAN**

Project Number: 12-102  
 Date Issued For Construction: 11/5/2012  
 Scale: Reference Individual Drawings

Sheet: **C-1**



J1 SECOND FLOOR PLAN: EXIT PORTAL  
SCALE: NTS

**AIRPORT TERMINAL OCCUPANT LOAD FACTORS:**

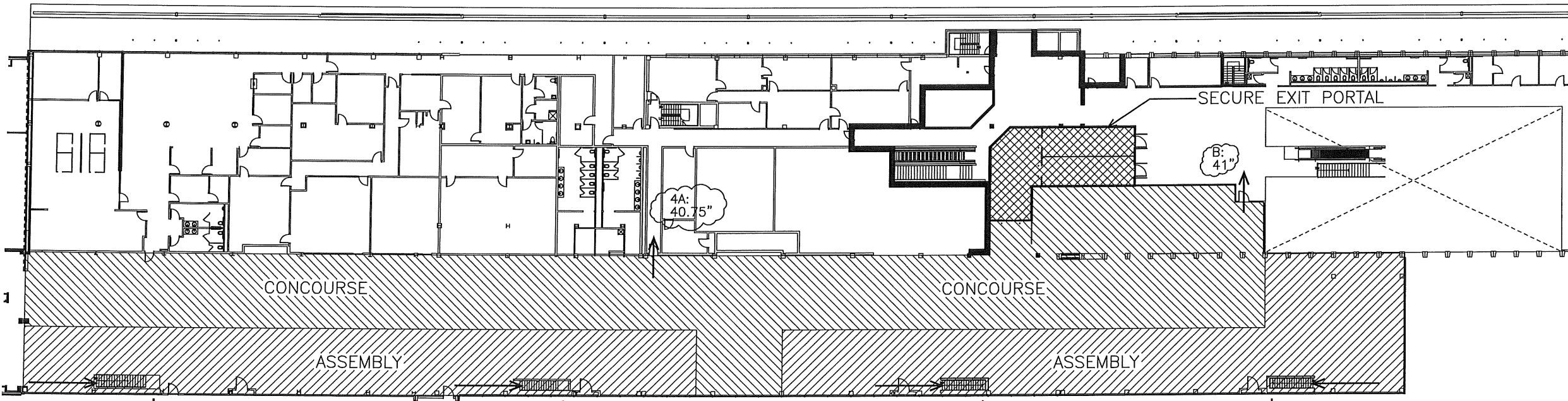
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 WAITING= 11,690 SF= 780 OCCUPANT LOAD  
 919 TOTAL OCCUPANT LOAD

AS- MEASURED DOOR WIDTH CAPACITY:  
 DOOR A: 40.75"  
 DOOR B: 41"  
 DOOR C: 38.75  
 DOOR D: 34.5  
 DOOR E: 40"  
 DOOR F: 40.75"  
**TOTAL: 235.75**

**1,178 TOTAL ALLOWABLE OCCUPANT LOAD**  
 TOTAL DOOR WIDTH+WIDTH PER PERSON (.2) : .27235.75

**SHEET NOTES NOTES:**

TOTAL NUMBER OF MEANS OF EGRESS: **6**  
 TOTAL DOOR EGRESS WIDTH: **235.75"**  
 TOTAL ALLOWABLE OCCUPANT CAPACITY: **1,178**  
 MAXIMUM LENGTH OF TRAVEL=124 FEET

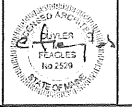


C1 SECOND FLOOR PLAN: OCCUPANCY LOADS  
1/16" = 1'-0"

**LEGEND**  
 CONCOURSE: 100 SF/ OCCUPANT  
 WAITING: 15 SF/ OCCUPANT  
 MEANS OF EGRESS

General Notes

ISSUED FOR PERMIT APPLICATION  
11/5/2012



REVISED PLAN  
6-29-2015

No.	Revision/Issue	Date

**CEM**  
 Facilities & Engineering  
 1001 Westbrook ST  
 Portland, ME 04102  
 207-874-8877

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**SECURE EXIT PORTAL AND ASSOCIATED RENOVATIONS**

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