



July 10, 2015

To: Katherine Detmer
From: Mark Thompson
Re: Follow-up on Bathroom Fixtures

Original Memo Dated May 6, 2015:

Katherine,

Per our conversation on bathroom fixtures, our experience in Boston, Massachusetts should provide you with an example of our requirements. In 2013 and 2014 we had a similar exhibition space at Faneuil Hall. In that space, our bathroom fixtures were as follows:

- One men's room with four urinals and two stalls
- One women's room with five stalls
- One family bathroom

This space had an occupancy rating of 535 people per hour. This fixture count was more than adequate for our purposes.

Please let me know if you have any questions.

Best regards,
Mark

**In response to request for more information from Building Inspections for Portland, ME
7.9.15**

The Boston occupancy rating of 535 people per hour was the total allowed code-based occupancy, not the actual occupancy. The actual occupancy is significantly less than the occupancy rating. Based on actual ticket sales results, the average attendance is 15% of the total occupancy rating (80 occupants). The highest peak occupancy was 53% of the occupancy rating (283 occupants). We expect similar average and peak occupancy percentages for Portland. With a maximum code occupancy of 415 that would give an average estimated occupancy of 62 occupants and estimated peak occupancy of 220 occupants. We are providing comparable fixture counts with fewer estimated occupants so we believe the fixture count to be more than adequate.