

## Certificate of Design Application

From Designer:

MATTHEW AHLBERG

Date:

2016.12.21

Job Name:

MAINE'S PANTRY

Address of Construction:

250 COMMERCIAL STREET PORTLAND, MAINE

## 2009 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year 2009 Use Group Classification	(s) BUSINESS
Type of Construction EXISTING	
Will the Structure have a Fire suppression system in Accordance with Se	ection 903.3.1 of the 2009 IBC EXISTING
Is the Structure mixed use? If yes, separated or non separated or no	
Supervisory alarm System?Geotechnical/Soils report rec	
Structural Design Calculations	Live load reduction
Submitted for all structural members (106.1 – 106.11)	Roof live loads (1603.1.2, 1607.11)
D. I. I. C D.	Roof snow loads (1603.7.3, 1608)
Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807)	Ground snow load, Pg (1608.2)
Floor Area Use Loads Shown	If $Pg > 10$ psf, flat-roof snow load $pf$
	If $P_g > 10$ psf, snow exposure factor, $C_g$
	If $Pg > 10$ psf, snow load importance factor, $L$
	Roof thermal factor, G (1608.4)
	Sloped roof snowload, P3 (1608.4)
Wind loads (1603.1.4, 1609)	Seismic design category (1616.3)
Design option utilized (1609.1.1, 1609.6)	Basic seismic force resisting system (1617.6.2)
Basic wind speed (1809.3)	Response modification coefficient, $_{R^{\prime}}$ and
Building category and wind importance Factor, by table 1604.5, 1609.5	deflection amplification factor <sub>Cd</sub> (1617.6.2)
Wind exposure category (1609.4)	Analysis procedure (1616.6, 1617.5)
Internal pressure coefficient (ASCE 7)	Design base shear (1617.4, 16175.5.1)
Component and cladding pressures (1609.1.1, 1609.6.2.2)	Flood loads (1803.1.6, 1612)
Main force wind pressures (7603.1.1, 1609.6.2.1)	Flood Hazard area (1612.3)
Earth design data (1603.1.5, 1614-1623)	Elevation of structure
Design option utilized (1614.1)	Other loads
Seismic use group ("Category")	Concentrated loads (1607.4)
Spectral response coefficients, SDs & SD1 (1615.1)Site class (1615.1.5)	Partition loads (1607.5)
	Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404