

Certificate of Design Application

From Designer:	06/27/14	
Date:	06/27/14	
Job Name:	2 Cotton Street	
Address of Construction:	2 Cotton Street, Portland, Maine 04101	

2009 International Building Code

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

Building Code & Year existing Use Group Classification	Mixed use	
Type of Construction Type II		
Will the Structure have a Fire suppression system in Accordance with S	ection 903.3.1 of the 2009 IBC Yes	
· ·	trated or non separated (section 302.3) Non - Separated	
, , . <u>1</u>	quired? (See Section 1802.2) N/A	
Structural Design Calculations	Live load reduction	
N/A Submitted for all structural members (106.1 – 106.11)	Roof live loads (1603.1.2, 1607.11)	
	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 $P_g > 10$ psf, flat-roof snow load P_g	
	If $Pg > 10$ psf, snow exposure factor, C	
	If Pg > 10 psf, snow load importance factor, Ic	
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	Roof thermal factor, G(1608.4)	
Wind loads (1603.1.4, 1609)	Sloped roof snowload,p3(1608.4)	
· • • • • • • • • • • • • • • • • • • •	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 and	
Building category and wind importance Factor, but table 1604.5, 1609.5	deflection amplification factor (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)		
Seismic use group ("Category")	Other loads	
Spectral response coefficients, SDs & SD1 (1615.1)	Concentrated loads (1607.4)	
Site class (1615.1.5)	Partition loads (1607.5)	
	Misc. loads (Table 1607.8, 1607.6.1, 1607.7,	