

## Certificate of Design Application

From Designer:	August 5, 2015			
Date:				
Job Name:	me: MaineHealth Window Replacement			
Address of Construction:	110 Free Street, Portland, 04101			
Co	2009 International onstruction project was designed to the	O	ria listed below:	
Building Code & Year 2009	BC Use Group Classification	n (s) Group B, Business		
Type of Construction ex	isting			
Will the Structure have a Fire	suppression system in Accordance with S	Section 903.3.1 of the 2	2009 IRC existing	
Is the Structure mixed use? no	If yes, separated or non sep	parated or non separate	d (section 302.3)	
	stingGeotechnical/Soils report r			
Structural Design Calculations			Live load reduction	
Submitted for all structural members (106.1 – 106.11)  Design Loads on Construction Documents (1603)  Uniformly distributed floor live loads (7603.11, 1807)  Floor Area Use Loads Shown			Roof <i>live</i> loads (1603.1.2, 1607.11)	
			Roof snow loads (1603.7.3, 1608)	
			Ground snow load, Pg (1608.2)	
			If $Pg > 10$ psf, flat-roof snow load $pf$	
		-	If $Pg > 10$ psf, snow exposure factor, $C_e$	
			If $P_g > 10$ psf, snow load importance factor, $_{I_g}$	
			Roof thermal factor, $_{G}$ (1608.4)	
			Sloped roof snowload, $p_3$ (1608.4)	
Wind loads (1603.1.4, 1609)			Seismic design category (1616.3)	
n/aDesign option u	ntilized (1609.1.1, 1609.6)		Basic seismic force resisting system (1617.6.2)	
Basic wind speed (1809.3)			Response modification coefficient, $_{R\!I}$ and	
Building category and wind importance Factor, w table 1604.5, 1609.5)			deflection amplification factor $_{Cd}$ (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)  Main force wind pressures (7603.1.1, 1609.6.2.1)		Flood loads (	Flood loads (1803.1.6, 1612)	
Earth design data (1603.1.5, 1614-1623)		n/a	Flood Hazard area (1612.3)	
n/aDesign option utilized (1614.1)			Elevation of structure	
Design option utilized (1614.1)  Seismic use group ("Category")		Other loads		
ŭ .	se coefficients, SDs & SD1 (1615.1)	n/a	Concentrated loads (1607.4)	
Spectral respons	,	-	Partition loads (1607.5)	
	,		Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404	