

Certificate of Design Application

From Designer:	Archetype Architects			
Date:	9/4/15			
Job Name:	135 Walton Street			
Address of Construction:	f Construction: 135 Walton Street, Portland Maine			
Cons	2009 Internationa struction project was designed to the	0	ria listed below:	
Building Code & Year IBC 20	09 Use Group Classification	on (s) F & B		
Type of Construction 2B				
• •	ppression system in Accordance with	Section 903.3.1 of the 2	2009 IRC yes	
	If yes, separated or non se			
	Geotechnical/Soils report	-	,	
oupervisory marin bystem.	Georeemical, cons report	required. (occ occuon i		
Structural Design Calculation	18		_Live load reduction	
Submitted for all	l structural members (106.1 – 106.11)		Roof live loads (1603.1.2, 1607.11)	
			Roof snow loads (1603.7.3, 1608)	
Design Loads on Constructio Uniformly distributed floor live loa			Ground snow load, Pg (1608.2)	
Floor Area Use	Loads Shown		If Pg > 10 psf, flat-roof snow load pf	
			If Pg > 10 psf, snow exposure factor, @	
			If $Pg > 10$ psf, snow load importance factor, I_k	
			Roof thermal factor, _{(j} (1608.4)	
			Sloped roof snowload, <i>p</i> ₃ (1608.4)	
Wind loads (1603.1.4, 1609)			Seismic design category (1616.3)	
Design option util	ized (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, but table 1604.5, 1609.5)			deflection amplification factor _{Cd} (1617.6.2)	
Wind exposure car			Analysis procedure (1616.6, 1617.5)	
Internal pressure coe			Design base shear (1617.4, 16175.5.1)	
Component and cladding pressures (1609.1.1, 1609.6.2.2)		Flood loads (1	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)			Blevation 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 (l'able 1607.8, 1607.6.1, 1607.7,	

1607.12, 1607.13, 1610, 1611, 2404