

Certificate of Design Application

Ryan Senatore Architecture

Date:		11/3/15			
Job Name:		667 Congress Street Apartments			
Address of Construction:		667 Congress Street, Portland, ME 04102			
	Cons	2009 Internation truction project was designed to	nal Building Code the building code crit	eria listed below:	
Building Code & Yea	r MUBEC	/IBC 2009 Use Group Classifica	tion (s) R-2, S-2, M		
Type of Construction		on-Combustible)	(0)		
Will the Structure have	a Fire sup	pression system in Accordance wi	ith Section 002 2.1 a.E.A.	2000 TD C Vee	
Is the Structure mixed v	ıse? Yes ⊤				
Supervisory alarm Syste.				ed (section 302.3) Separated	
1 ··· = vay timerir by ste.	· · · · · · · · · · · · · · · · · · ·	Geotechnical/Soils repo	iff required? (See Section	1802.2) <u>res</u>	
Structural Design Calculations		as applicable	Live load reduction		
Submitted for all structural members (106.1 – 106.11)			20psf LR	Roof live loads (1603.1.2, 1607.11)	
Design Loads on Construction Documents (1603)			42 flat + drift	Roof snow loads (1603.7.3, 1608)	
Uniformly distributed floor	r live loads	(7603.11, 1807)	60	Ground snow load, Pg (1608.2)	
Floor Area Use I		oads Shown	42	If Pg > 10 psf, flat-roof snow load pf	
Public & Corridors Serving		of	1	If $P_g > 10$ psf, snow exposure factor, G	
1st Flr Retail	125 ps	if	1	If $P_g > 10$ psf, snow load importance factor, f_g	
			1.0	Roof thermal factor, $G(1608.4)$	
W: 11 1 (1000 4 1 4				Sloped roof snowload, _{Ps} (1608.4)	
Wind loads (1603.1.4, 1609) Analytical Design antibody (1603.1.4, 1609)			В	Seismic design category (1616.3)	
			<u>H</u>	Basic seismic force resisting system (1617.6.2)	
Cot II 4 0			R≈3, Cd=3	Response modification coefficient, R1 and	
Cat. II, 1.0 Building category and wind importance Factor, to table 1604.5, 1609.5)				deflection amplification factor (1617.6.2)	
Wind exposure category (1609.4)			Equiv. Lateral Ford	Equiv. Lateral Force Analysis procedure (1616.6, 1617.5)	
35psf / 60psf Component and cladding pressures (1609.1.1, 1609.6.2.2)			235k	Design base shear (1617.4, 16175.5.1)	
14.3-21 : 12.9psf Main force wind pressures (7603.1.1, 1609.6.2.1)			Flood loads (1	Flood loads (1803.1.6, 1612)	
Earth design data (1603.1.5, 1614-1623)			None	_Flood Hazard area (1612.3)	
Equiv. Lateral Force Design option utilized (1614.1)			118	Elevation of structure	
Seismic use group ("Category")			Other loads		
.210/.051Spectral response coefficients, SDs & SDI (1615.1)			see plans	_Concentrated loads (1607.4)	
BSite class (1615.1.5)			15psf	_Partition loads (1607.5)	
			see plans	_Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404	