

Building Code & Year 2009

Certificate of Design Application

From Designer:

Date:

6/23/15

Job Name:

Address of Construction:

Grant Hays Associates - Michael F. Hays, Architect

6/23/15

48 Wilmot Street 15 Unit Apartment Building

48 Wilmot Street, Portland, Maine

_____ Use Group Classification (s) _____

2009 International Building Code

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

Гуре of Cons	truction	VB			
Will the Struct	ure have a F	Fire suppression system in Accord	ance with Section	903.3.1 of the 2	009 IRC Yes - NFPA 13R
Is the Structure	e mixed use	No If yes, separated	or non separated	or non separated	1 (section 302.3) Not Applicable
Supervisory ala	rm System?				802.2) Not Applicable
Structural Design Calculations				None	Live load reduction
Yes Submitted for all structural members (106.1 – 106.11)			5.11)	45.0 psf	Roof <i>live</i> loads (1603.1.2, 1607.11)
				45.0 psf	Roof snow loads (1603.7.3, 1608)
Design Loads on Construction Documents (1603)				60.0 psf	Ground snow load, Pg (1608.2)
Unitormly distri Floor Area l		100.0 psf		45.0 psf	Ground show load, $f_g(1000.2)$ If $P_g > 10$ psf, flat-roof snow load p_f
Common Areas				0.9	If $Pg > 10$ psf, snow exposure factor, C_{C} If $Pg > 10$ psf, snow load importance factor, T_{C}
Floors: Reside				1.0	
				1.0	Roof thermal factor, $G(1608.4)$
				n/a	Sloped roof snowload, p _r (1608.4)
Wind loads (1603.1.4, 1609)				В	Seismic design category (1616.3)
Method 1	Design opt	ign option utilized (1609.1.1, 1609.6)		Shear Walls	Basic seismic force resisting system (1617.6.2)
110 mph	_Basic wind speed (1809.3)			6.5 & 4.0	_Response modification coefficient, _{R1} and
CAt #1.1.00	_Building category and wind importance Factor,				deflection amplification factor _{Cl} (1617.6.2)
В	table 1604.5, 1609.5)" Wind exposure category (1609.4)			Load Analysis	_Analysis procedure (1616.6, 1617.5)
0.18	Internal pressure coefficient (ASCE 7)			101 Kips	
18.0	Component and cladding pressures (1609.1.1, 1609.6.2.2)			Flood loads (1	
25.0	Main force wind pressures (7603.1.1, 1609.6.2.1)			Flood loads (1803.1.6, 1612)	
Earth design data (1603.1.5, 1614-1623)				n/a	_Flood Hazard area (1612.3)
Simplified	Design option utilized (1614.1)				_Elevation of structure
1	_Seismic use group ("Category")			Other loads 2,000#	
.257 & .125	Spectral response coefficients, SDs & SD1 (1615.1)			n/a	Concentrated loads (1607.4)
D	Site class (1	_Site class (1615.1.5)			_Partition loads (1607.5)
				n/a	_Misc. loads (Table 1607.8, 1607.6.1, 1607.7,