

## Certificate of Design Application

From Designer:	Larry A. Wichroski, P.E.			
Date:	July 06, 2016			
Job Name:	Apartment Remodel	IIIV-113 IIV-113 IIIV-113 IIIV	The same of the sa	
Address of Construction:	50 Wilmot Street, Portland, Maine			
	2009 International	Building Code		
Con	struction project was designed to the	_	ia listed below:	
	,	J		
Building Code & Year 2009	Use Group Classification	n (s)		
Type of Construction III-	Wood			
Will the Structure have a Fire su	appression system in Accordance with S	Section 903.3.1 of the 2	2009 IRC Yes	
	If yes, separated or non sep			
Supervisory alarm System? Ye		_		
Supervisory atarm bystem:	George Innear, John Topott 1	oquitour (see seedion r		
Structural Design Calculations		None	_Live load reduction	
Yes 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		45.0 psf	Roof live loads (1603.1.2, 1607.11)	
		45.0 psf	Roof snow loads (1603.7.3, 1608)	
		60.0 psf	Ground snow load, Pg (1608.2)	
		0.9	If $Pg > 10$ psf, flat-roof snow load $p$	
Residential 40.	0 psf	1.0	If Pg > 10 psf, snow exposure factor, G	
1000000000	о рол	1.0	If $P_g > 10$ psf, snow load importance factor, $f_g$	
		N/A	_Roof thermal factor, G(1608.4)	
		N/A	Sloped roof snowload, P <sub>3</sub> (1608.4)	
Wind loads (1603.1.4, 1609)		В	Seismic design category (1616.3)	
Method 1Design option uti	lized (1609.1.1, 1609.6)	Shear Walls	Basic seismic force resisting system (1617.6.2)	
100 mph Basic wind speed	(1809.3)	N/A	Response modification coefficient, R1 and	
Cat #1, 1.0 Building category	and wind importance Factor,		deflection amplification factor <sub>Cl</sub> (1617.6.2)	
B Wind exposure ca	table 1604.5, 1609.5)** tegory (1609.4)	Wind Gov.	Analysis procedure (1616.6, 1617.5)	
0.18Internal pressure coefficient (ASCE 7)		64,000 #	Design base shear (1617.4, 16175.5.1)	
25.0 psf Component and cladding pressures (1609.1.1, 1609.6.2.2)		Flood loads (	Flood loads (1803.1.6, 1612)	
25.0 psf Main force wind pressures (7603.1.1, 1609.6.2.1)		N/A	Flood Hazard area (1612.3)	
Earth design data (1603.1.5, 1614-1623)		N/A	Elevation of structure	
Bearing Wall Design option utilized (1614.1)		Other loads		
B Seismic use group		2,000# Point	Concentrated loads (1607.4)	
D .	coefficients, SDs & SDI (1615.1)		Partition loads (1607.5)	
DSite class (1615.1.5	)			

\_Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404