

Certificate of Design Application

OKIT, ASI			8 1. I.L.	лешоп
From Designer				
Date:	Date: 2/8/16 Job Name: Portland Retirement Residence		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
Job Name:				THE RESERVE THE PROPERTY OF TH
Address of Construction: 802 Ocean Avenue, Portland, ME 0			103	
	Year 2009 IB	2009 Internationa truction project was designed to tl C Use Group Classification	ne building code cri	e teria listed below:
Type of Construc				
Will the Structure h	ave a Fire sup	ppression system in Accordance with	Section 903.3.1 of th	e 2009 IRC <u>Y</u> es
Is the Structure mix	ted use? 198	If yes, separated or non sep	parated or non separa	ited (section 302.3) Both
Supervisory alarm S	ystem? 1es	Geotechnical/Soils report i	equired? (See Section	n 1802.2) <u>Yes</u>
Structural Design Calculations			0	Live load reduction
YesSubmitted for all structural members (106.1 – 106.11)			20 psf	Roof live loads (1603.1.2, 1607.11)
Design Loads on Construction Documents (1603)			40 psf	Roof snow loads (1603.7.3, 1608)
Uniformly distributed	Construction floor live loads	Documents (1603)	50 psf	Ground snow load, Pg (1608.2)
Floor Area Use		Loads Shown	38.5 psf	If Pg > 10 psf, flat-roof snow load p
Living Units	40 pst	<u> </u>	1.0	If $P_g > 10$ psf, snow exposure factor, G
Offices	50 psf		1.0	
Common Areas	100 ps		1.1	If $P_g > 10$ psf, snow load importance factor,
Storage Areas	125 ps	sf	40 psf	Roof thermal factor, $_{G}$ (1608.4)
Wind loads (1603.1.4, 1609)			В	Sloped roof snowload,p ₃ (1608.4)
MWFRS-Method 1 Design option utilized (1609.1.1, 1609.6)			Wood SW's	Seismic design category (1616.3)
100 MPH Basi	c wind speed (18	09.3)	6.5	Basic seismic force resisting system (1617.6.2)
1.0 Building category and wind importance Factor, h.			0.0	Response modification coefficient, Ry and
B Wind exposure category (1609.4)				deflection amplification factor _{Cd} (1617.6.2)
+0.18/-0.18 Internal pressure coefficient (ASCE 7)			.039xW	Analysis procedure (1616.6, 1617.5)
20.2 psf/21.8 psf Component and cladding pressures (1609.1.1, 1609.6.2.2)			-	Design base shear (1617.4, 16175.5.1)
16.3 psf 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)			-	Flood Hazard area (1612.3)
Equivalent lateral force procedure Design option utilized (1614.1)			-	Elevation of structure
Seismic use group ("Category")			Other loads	
.253/.087 Spectral response coefficients, \$\Omega \& \Omega \Omega \((1615.1) \)			•	Concentrated loads (1607.4)
CSite class (1615.1.5)				Partition loads (1607.5)

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