

Date:

Job Name:

Address of Construction:

Certificate of Design Application

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March 21, 2016	
Portland Gastroenterology Center	
161 Marginal Way (Floors 3 & 4), Portland, ME	

2009 International Building Code

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

Building Code	& Year IBC 200	9	_ Use Group Classi	fication (s) _	Business		
Type of Const	ruction	IBC: 1	Type IIA			TDO	
Will the Structu	re have a Fire su per mixed use? <u>No</u>	ppression	system in Accordance				
is the Structure	mixed use? NO	_	If yes, separated or	•	-	•	
Supervisory alar	m System? Ye	S 	_Geotechnical/Soils:	report required	l? (See Section 1	802.2) Not applicable	
Structural Design Calculations					Not applicable	Live load reduction	
Completed Submitted for all structural members (106.1 – 106.11)					Snow Loads Govern Roof live loads (1603.1.2, 1607.11)		
Design Loads on Construction Documents (1603)					60 psf	Roof snow loads (1603.7.3, 1608)	
Uniformly distributed floor live loads (7603.11, 1807)					42 psf	Ground snow load, Pg (1608.2)	
Floor Area U	Use Loads Sho	own			If $P_g > 10$ psf, flat-roof snow load p_f		
Existing Office 50 psf + partition			s		1.0	_If $P_g > 10$ psf, snow exposure factor, G	
(no change in occu	ıpancy, so				1.0	If $P_g > 10$ psf, snow load importance factor, $_F$	
loads not provided on					1.0	Roof thermal factor, $G(1608.4)$	
structural drawings	s)		· · · · · · · · · · · · · · · · · · ·		42 psf	Sloped roof snowload, p _s (1608.4)	
Wind loads (1603.1.4, 1609)					С	Seismic design category (1616.3)	
Analytical Method Design option utilized (1609.1.1, 1609.6)				Braced Frames	Basic seismic force resisting system (1617.6.2)		
100 pmh	Basic wind speed (1809.3)				C&C, N/A	Response modification coefficient, R, and	
Cat II, lw=1.0	Building category and wind importance Factor, ,,					deflection amplification factor (1617.6.2)	
С	table 1604.5, 1609.5)""Wind exposure category (1609.4)				C&C Ch. 13	Analysis procedure (1616.6, 1617.5)	
+/- 0.18	Internal pressure coefficient (ASCE 7)				C&C, N/A	Design base shear (1617.4, 16175.5.1)	
Per ASCE 7-05	Component and cladding pressures (1609.1.1, 1609.6.2.2)				Flood loads (1		
Per ASCE 7-05	Main force wind pressures (7603.1.1, 1609.6.2.1)				N/A	,	
Earth design data (1603.1.5, 1614-1623)				N/A	Flood Hazard area (1612.3) Elevation of structure		
C&C Ch. 13	Design option utilized (1614.1)				Otherland	Elevation of structure	
Cat II	_Seismic use group ("Category")				Other loads Unit Wgts per ME	P	
0.481	_Spectral response coefficients, SDs & SD1 (1615.1)				N/A	Ooneendated loads (1007.1)	
0.180Site class (1615.1.5)					N/A	_Partition loads (1607.5)	
					19/7	Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404	