

Certificate of Design Application

From Designer:	Perkins+Will		
Date:	09/01/2015		
Job Name:	Maine Medical Center - Hybrid OR & OR #6		
Address of Construction:	22 Bramhall Street, Portland, Maine 04102		

2009 International Building Code

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

Building Co	de & Year <u>IBC 2009</u> Use Group Classification	n (s) Institutional Gro	pup I-2 (Hospital)
Type of Con	IBC Construction Type 1B - NFPA II (222) (non-combusti	ble, 2-hour rated)	
Will the Strue	cture have a Fire suppression system in Accordance with S	ection 903.3.1 of the	e 2009 IRC Yes
	are mixed use? <u>No</u> If yes, separated or non sepa		
	alarm System? <u>Yes</u> Geotechnical/Soils report re	<u>^</u>	
	s	-1 (011 01101	
Structural D	Design Calculations	N/A	Live load reduction
N/A	Submitted for all structural members (106.1 – 106.11)	N/A	Roof <i>live</i> loads (1603.1.2, 1607.11)
		N/A	Roof snow loads (1603.7.3, 1608)
	ds on Construction Documents (1603)	N/A	Ground snow load, Pg (1608.2)
Uniformly distributed floor live loads (7603.11, 1807) Floor Area Use Loads Shown		N/A	If $P_g > 10$ psf, flat-roof snow load p_f
N/A	<u>N/A</u> <u>N/A</u>		If $P_g > 10$ psf, snow exposure factor, C_p
		N/A	If $P_g > 10$ psf, snow load importance factor, I_k
		N/A	$\underline{\qquad} Roof thermal factor, C(1608.4)$
		N/A	Sloped roof snowload, _{Pr} (1608.4)
Wind loads (1603.1.4, 1609)		N/A	Seismic design category (1616.3)
N/A			Basic seismic force resisting system (1617.6.2)
N/A	Basic wind speed (1809.3)	N/A	Response modification coefficient, _{Rt} and
N/A	Dunding category and which importance Pactor,		deflection amplification factor _{Cd} (1617.6.2)
N/A	table 1604.5, 1609.5)" Wind exposure category (1609.4)	N/A	Analysis procedure (1616.6, 1617.5)
N/A	Internal pressure coefficient (ASCE 7)	N/A	Design base shear (1617.4, 16175.5.1)
N/A	Component and cladding pressures (1609.1.1, 1609.6.2.2)	Flood loads (1803.1.6, 1612)	
N/AMain 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
N/A	Design option utilized (1614.1)	Other loads	
N/A	Seismic use group ("Category")	N/A	Concentrated loads (1607.4)
N/A N/A			Partition loads (1607.5)
IN/ <i>I</i> A			Misc. loads (Table 1607.8, 1607.6.1, 1607.7,

1607.12, 1607.13, 1610, 1611, 2404