

Certificate of Design Application

From Designer:

Date:

Date:

Job Name:

Address of Construction:

James P. Gauthier, Canal 5 Studio

06 May 2013

Portland Ballet Fit-up

509 Forest Ave

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification	(s) Assembly A-1
Type of Construction I-B	
Will the Structure have a Fire suppression system in Accordance with So	ection 903.3.1 of the 2009 IRC
	rated or non separated (section 302.3)
Supervisory alarm System? Geotechnical/Soils report re	quired? (See Section 1802.2)
Structural Design Calculations	Live load reduction
Submitted for all structural members (106.1 – 106.11)	Roof live loads (1603.1.2, 1607.11)
	Roof snow loads (1603.7.3, 1608)
Design Loads on Construction Documents (1603)	Ground snow load, Pg (1608.2)
Uniformly distributed floor live loads (7603.11, 1807) Floor Area Use Loads Shown	If $Pg > 10$ psf, flat-roof snow load Pf
	If $P_g > 10$ psf, snow exposure factor, C_g
	If $P_g > 10$ psf, snow load importance factor, k
	Roof thermal factor, G (1608.4)
	Sloped roof snowload, Ps (1608.4)
Wind loads (1603.1.4, 1609)	Seismic design category (1616.3)
Design option utilized (1609.1.1, 1609.6)	Basic seismic force resisting system (1617.6.2)
Basic wind speed (1809.3)	Response modification coefficient, and
Building category and wind importance Factor, by table 1604.5, 1609.5)	deflection amplification factor (1617.6.2)
Wind exposure category (1609.4)	Analysis procedure (1616.6, 1617.5)
Internal pressure coefficient (ASCE 7)	Design base shear (1617.4, 16175.5.1)
Component and cladding pressures (1609.1.1, 1609.6.2.2)	Flood loads (1803.1.6, 1612)
Main force wind pressures (7603.1.1, 1609.6.2.1)	Flood Hazard area (1612.3)
Earth design data (1603.1.5, 1614-1623)	Elevation of structure
Design option utilized (1614.1)	Other loads
Seismic use group ("Category")	
Spectral response coefficients, SDs & SD1 (1615.1)Site class (1615.1.5)	Concentrated loads (1607.4)
	Partition loads (1607.5)
	Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404