

Certificate of Design Application

From Designer:	Chris Drobat, Lavallee Brensinger Architects	S	
Date:	7/27/2015		
Job Name:	Chemistry Lab C300 Fit-out, Science Building		
Address of Construction:	onstruction: 70 Falmouth St,		
Con	2009 International struction project was designed to the	O	ria listed below:
Building Code & Year <u>IBC 200</u>	9 Use Group Classification	n (s) OCCUPANCY GROUP B: COLLE	EGE / UNIVERSITY INSTRUCTIONAL BUILDING
Type of Construction EXIST	ING BUILDING: BOCA 1999 CONSTRUCTION	N TYPE IIB	
Will the Structure have a Fire su	ppression system in Accordance with S	Section 903.3.1 of the 2	$1009~\mathrm{IRC}$ Existing building fully sprinklered
	If yes, separated or non sep		
	Geotechnical/Soils report r		
Supervisory alarm System:	Geotechnical/ Sons report i	equired: (See Section 1	002.2)
Structural Design Calculations		Not applicable	Live load reduction
Not applicable Submitted for all structural members (106.1 – 106.11)		Not applicable	Roof <i>live</i> loads (1603.1.2, 1607.11)
		Not applicable	Roof snow loads (1603.7.3, 1608)
Design Loads on Construction Documents (1603) Uniformly distributed floor live loads (7603.11, 1807) Floor Area Use Loads Shown		Not applicable	Ground snow load, Pg (1608.2)
		Not applicable	If $Pg > 10$ psf, flat-roof snow load p_f
Not applicable		Not applicable	If $Pg > 10$ psf, snow exposure factor, C_g
		Not applicable	If $Pg > 10$ psf, snow load importance factor, T_k
		Not applicable	Roof thermal factor, G (1608.4)
		Not applicable	Sloped roof snowload, Ps(1608.4)
Wind loads (1603.1.4, 1609)		Not applicable	Seismic design category (1616.3)
Not applicable Design option utilized (1609.1.1, 1609.6)		Not applicable	Basic seismic force resisting system (1617.6.2)
Not applicable Basic wind speed (1809.3)	Not applicable	Response modification coefficient, _{Rt} and
Not applicable Building category a	and wind importance Factor, jp		deflection amplification factor (1617.6.2)
Not applicable Wind exposure care	table 1604.5, 1609.5)** tegory (1609.4)	Not applicable	Analysis procedure (1616.6, 1617.5)
Not applicableInternal pressure coe	efficient (ASCE 7)	Not applicable	Design base shear (1617.4, 16175.5.1)
Not applicable Component and cladding pressures (1609.1.1, 1609.6.2.2) Not applicable Main force wind pressures (7603.1.1, 1609.6.2.1) Forth decirp data (1603.1.5, 1614.1623)		Flood loads (1803.1.6, 1612)	
		Not applicable	_Flood Hazard area (1612.3)
Earth design data (1603.1.5, 1614-1623) Not applicable Design option utilized (1614.1)		Not applicable	Elevation of structure
Not applicable		Other loads	
Net andiable	(Category) coefficients, SDs & SD1 (1615.1)	Not applicable	Concentrated loads (1607.4)
Not applicable Site class (1615.1.5)	, , ,	Not applicable	Partition loads (1607.5)
		Not applicable	Misc. loads (Table 1607 8, 1607 6 1, 1607 7

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