

## Certificate of Design Application

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From Designer:	igner: Brewster Buttfield, Prospect Design and Joe Hemes, Hemesphere Design			
Date:	Feb. 2, 2016			
Job Name:	Nine Stones Spa  185 Fore Street			
Address of Construction:				
Con	<b>2009 Internationa</b> struction project was designed to the	0	ia listed below:	
	1 /			
Building Code & Year 2009 Use Group Classification (s) Business  Type of Construction Type 5A, Please see permit for the building				
Type of Constituetion			Nos	
	ppression system in Accordance with			
	If yes, separated or non sep	-		
Supervisory alarm System? Yes	Geotechnical/Soils report	required? (See Section 1	802.2) Yes	
Structural Design Calculation	ıs		Live load reduction	
NI/A	l structural members (106.1 – 106.11)	_	Roof <i>live</i> loads (1603.1.2, 1607.11)	
			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		-	Ground snow load, Pg (1608.2)	
		-	If $P_g > 10$ psf, flat-roof snow load $P_f$	
			If $P_g > 10$ psf, snow exposure factor, $C_e$	
			If $P_g > 10$ psf, snow load importance factor, $I_k$	
			_	
		<del></del>	_Roof thermal factor, <sub>G</sub> (1608.4)	
Wind loads (1603.1.4, 1609)			_Sloped roof snowload, Ps (1608.4)	
			Seismic design category (1616.3)	
Basic wind speed (1809.3)			Basic seismic force resisting system (1617.6.2)	
Building category and wind importance Factor, h,		<del></del>	Response modification coefficient, R <sub>I</sub> and	
table 1604.5, 1609.5) Wind exposure category (1609.4)			deflection amplification factor $_{C\!\!d}$ (1617.6.2)  _Analysis procedure (1616.6, 1617.5)	
Internal pressure coefficient (ASCE 7)				
Component and cladding pressures (1609.1.1, 1609.6.2.2)		Flood loads (1	Flood loads (1803.1.6, 1612)	
Main force wind pressures (7603.1.1, 1609.6.2.1)		1 lood loads (1	, ,	
Earth design data (1603.1.5, 1614-1623)		·	Flood Hazard area (1612.3) Elevation of structure	
Design option utilized (1614.1)		Other loads	Elevation of structure	
Seismic use group ("Category")		Office loads	Congentiated los de (1707.4)	
Spectral response coefficients, SDs & SD1 (1615.1)			Concentrated loads (1607.4)	
Site class (1615.1.5)		-	Partition loads (1607.5) Misc. loads (Table 1607.8, 1607.6.1, 1607.7,	
		-	<u> </u>	

1607.12, 1607.13, 1610, 1611, 2404