

n/a

Certificate of Design Application David Webster (Architect) and Dave Tetrault (Structural Engineer) From Designer: 10 April 2013 Date: OA MRI Renovation & Expansion Job Name: 33 Sewall Street Address of Construction: 2009 International Building Code Construction project was designed to the building code criteria listed below: Use Group Classification (s) Business (also I-2 exg in bldg) Building Code & Year BC 2009 Type II B (existing, assumed) & Type IIB new Type of Construction Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC Yes _____ If yes, separated or non separated or non separated (section 302.3) separated Is the Structure mixed use? **yes** oils report required? (See Section 1802.2) 06.11

Supervisory alar	rm System?	yes	Geotechnical/So
Structural Des	_		al members (106.1 – 10 <i>6</i>
Design Loads Uniformly distrib Floor Area U	outed floor liv		1, 1807)
office area		50 psf	
Wind loads (16	603.1.4, 160	9)	
ASCE 7-05	_Design opti	on utilized (1609.	1.1, 1609.6)
100 mph	_Basic wind s	speed (1809.3)	
II, 1.0	Building category and wind importance Factor, h		
В	table 1604.5, 1609.5)" _Wind exposure category (1609.4)		
n/a	Internal pressure coefficient (ASCE 7)		
+18,-19.5 ps	Component a	and cladding pressu	ares (1609.1.1, 1609.6.2.2)
n/a	_Main force wind pressures (7603.1.1, 1609.6.2.1)		
Earth design d	lata (1603.1	1.5, 1614-1623	5)
n/a	Design option utilized (1614.1)		
n/a	_Seismic use	group ("Categor	v'')
n/a	Spectral response coefficients, SDs & SD1 (1615.1)		

_Site class (1615.1.5)

n/a	_Live load reduction		
n/a	Roof <i>live</i> loads (1603.1.2, 1607.11)		
	Roof snow loads (1603.7.3, 1608)		
60 psf	Ground snow load, Pg (1608.2)		
42 psf	If $Pg > 10$ psf, flat-roof snow load pf		
1.0	If $Pg > 10$ psf, snow exposure factor, C_e		
1.0	If $Pg > 10$ psf, snow load importance factor, I_g		
1.0	Roof thermal factor, $G(1608.4)$		
n/a	Sloped roof snowload, Ps (1608.4)		
n/a	Seismic design category (1616.3)		
n/a	Basic seismic force resisting system (1617.6.2)		
n/a	Response modification coefficient, $_{R_f}$ and		
	deflection amplification factor _{Cl} (1617.6.2)		
n/a	Analysis procedure (1616.6, 1617.5)		
n/a	Design base shear (1617.4, 16175.5.1)		
Flood loads (1803.1.6, 1612)			
	_Flood Hazard area (1612.3)		
_	Elevation of structure		
Other loads			
n/a	_Concentrated loads (1607.4)		
20 psf	Partition loads (1607.5)		
n/a	Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404		