

Certificate of Design Application

From Designer:	Archetype
Date:	7/15/15
Job Name:	Open Bench Studio
Address of Construction:	1 Thompson's Point
riddress of Construction.	

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification	n (s) F1 & ACCESSORY F2	
Type of Construction 5B		
Will the Structure have a Fire suppression system in Accordance with S	Section 903 3.1 of the 2009 IRC NO	
	parated or non separated (section 302.3) separated	
Supervisory alarm System? YesGeotechnical/Soils report r	required? (See Section 1802.2) N/A	
Structural Design Calculations	Live load reduction	
Submitted for all 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)	Ground snow load, <i>Pg</i> (1608.2)	
Floor Area Use Loads Shown	If $P_g > 10$ psf, flat-roof snow load p_f	
	If $P_g > 10$ psf, snow exposure factor, $_G$	
	If $P_g > 10$ psf, snow load importance factor, I_b	
	Roof thermal factor, _G (1608.4)	
	Sloped roof snowload, p_3 (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, R1 and	
Building category and wind importance Factor, day table 1604.5, 1609.5)	deflection amplification factor _{Cd} (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)	Concentrated loads (1607.4)	
Site class (1615.1.5)	Partition loads (1607.5)	
	Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404	