

Certificate of Design Application

Date:	7/2/15	
Job Name:	415 Cumberland Ave.	
Address of Construction:	415 Cumberland Ave.	

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

	<i>3</i>	
Building Code & Year IBC 2009 Use Group Classification	_{n (s)} B - S-2	
Type of Construction 5A		
Will the Structure have a Fire suppression system in Accordance with S	Section 903.3.1 of the 2009 IRC NO	
Van	parated or non separated (section 302.3) separated	
George and Systems George Children George Chil	equired? (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) Uniformly distributed floor live loads (7603.11, 1807)	Ground snow load, Pg (1608.2)	
Floor Area Use Loads Shown	If $P_g > 10$ psf, flat-roof snow load P_g	
	If $P_g > 10$ psf, snow exposure factor, G	
	If $P_g > 10$ psf, snow load importance factor, T_h	
	2	
	Roof thermal factor, G (1608.4)	
Wind loads (1603.1.4, 1609)	Sloped roof snowload, P ₃ (1608.4)	
Design option utilized (1609.1.1, 1609.6)	Seismic design category (1616.3)	
Basic wind speed (1809.3)	Basic seismic force resisting system (1617.6.2)	
Building category and wind importance Factor, b,	Response modification coefficient, Ry and	
table 1604.5, 1609.5)"	deflection amplification factor _{Cl} (1617.6.2)	
Wind exposure category (1609.4)	Analysis procedure (1616.6, 1617.5)	
Internal pressure coefficient (ASCE 7)Component and cladding pressures (1609.1.1, 1609.6.2.2)	Design base shear (1617.4, 16175.5.1)	
Main force wind pressures (7603.1.1, 1609.6.2.2)	Flood loads (1803.1.6, 1612)	
Earth design data (1603.1.5, 1614-1623)	Flood Hazard area (1612.3)	
Design option utilized (1614.1)	Elevation of structure	
Seismic use group ("Category")	Other loads	
Spectral response coefficients, \$\Ds & \Di (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	