

Certificate of Design Application

From Designer:	
Date:	
Job Name:	
Address of Construction:	
2009 International Construction project was designed to the	C
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Building Code & Year Use Group Classificatio	
Type of Construction	
Will the Structure have a Fire suppression system in Accordance with	Section 903.3.1 of the 2009 IRC
Is the Structure mixed use? If yes, separated or non sep	parated or non separated (section 302.3)
Supervisory alarm System?Geotechnical/Soils report r	required? (See Section 1802.2)
Store at and Decision Calculations	Live load reduction
Structural Design Calculations	
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) Floor Area Use Loads Shown	
	If $Pg > 10$ psf, flat-roof snow load pf
	If $Pg > 10$ psf, snow exposure factor, C_{ℓ}
	If $Pg > 10$ psf, snow load importance factor, I_k
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	Roof thermal factor, _G (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) Response modification coefficient, Rt and
Building category and wind importance Factor, hy	
table 1604.5, 1609.5) Wind exposure category (1609.4)	deflection amplification factor _{Cl} (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 (1803.1.6, 1612)
Main force wind pressures (7603.1.1, 1609.6.2.1)	,
Earth design data (1603.1.5, 1614-1623)	Flood Hazard area (1612.3)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)Partition loads (1607.5)
Site class (1615.1.5)	Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404