

Certificate of Design Application

From Designer:	
Date:	
Job Name:	
Address of Construction:	
2009 International E Construction project was designed to the	0
Building Code & Year Use Group Classification	(s)
Type of Construction	
Will the Structure have a Fire suppression system in Accordance with Se	ction 903.3.1 of the 2009 IRC
Is the Structure mixed use? If yes, separated or non separ	
Supervisory alarm System? Geotechnical/Soils report req	
Supervised (1990)	[
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) Floor Area Use Loads Shown	Ground snow load, Pg (1608.2)
	If $Pg > 10$ psf, flat-roof snow load $_{Pf}$
	If $P_g > 10$ psf, snow exposure factor, C_e
	If $P_g > 10$ psf, snow load importance factor, I_k
	Sloped roof snowload, _{Px} (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, _{Rt} and
Building category and wind importance Factor, by 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)	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")	Concentrated loads (1607.4)
Spectral response coefficients, SDs & SD1 (1615.1) 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