# Certificate of Design Application

From Designer: _____

Date: NOT APPLICABLE- PERMIT APPLICATION IS FOR DEMOLITION ONLY

Job Name: _____

Address of Construction: _____

## 2009 International Building Code

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

Building Code & Year _____ Use Group Classification (s) _____

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 separated or non separated (section 302.3) _____

Supervisory alarm System? _____ Geotechnical/Soils report required? (See Section 1802.2) _____

**Structural Design Calculations**

_____ Submitted for all structural members (106.1 – 106.11)

**Design Loads on Construction Documents** (1603)

Uniformly distributed floor live loads (7603.11, 1807)

| Floor Area Use | Loads Shown |
|---|---|
| | |
| | |
| | |
| | |
| | |

**Wind loads (1603.1.4, 1609)**

_____ Design option utilized (1609.1.1, 1609.6)

_____ Basic wind speed (1809.3)

_____ Building category and wind importance Factor, $I_w$ table 1604.5, 1609.5)

_____ Wind exposure category (1609.4)

_____ Internal pressure coefficient (ASCE 7)

_____ Component and cladding pressures (1609.1.1, 1609.6.2.2)

_____ Main force wind pressures (7603.1.1, 1609.6.2.1)

**Earth design data (1603.1.5, 1614-1623)**

_____ Design option utilized (1614.1)

_____ Seismic use group ("Category")

_____ Spectral response coefficients, $S_{DS}$ & $S_{D1}$ (1615.1)

_____ Site class (1615.1.5)

_____ Live load reduction

_____ Roof *live* loads (1603.1.2, 1607.11)

_____ Roof snow loads (1603.7.3, 1608)

_____ Ground snow load, $P_g$ (1608.2)

_____ If $P_g$ > 10 psf, flat-roof snow load $P_f$

_____ If $P_g$ > 10 psf, snow exposure factor, $C_e$

_____ If $P_g$ > 10 psf, snow load importance factor, $I_s$

_____ Roof thermal factor, $C_t$ (1608.4)

_____ Sloped roof snowload, $P_s$ (1608.4)

_____ Seismic design category (1616.3)

_____ Basic seismic force resisting system (1617.6.2)

_____ Response modification coefficient, $R_I$ and deflection amplification factor $C_d$ (1617.6.2)

_____ Analysis procedure (1616.6, 1617.5)

_____ Design base shear (1617.4, 16175.5.1)

**Flood loads (1803.1.6, 1612)**

_____ Flood Hazard area (1612.3)

_____ Elevation of structure

**Other loads**

_____ Concentrated loads (1607.4)

_____ Partition loads (1607.5)

_____ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404