Certificate of Design Application

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/27/14

From Designer: JOE DELANEY

Date: 7/31/14

Job Name: 164 MIDDLE ST.

Address of Construction: "

2009 International Building Code

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

Building Code & Year 2009 IBC Use Group Classification (s) BUSINESS

Type of Construction V

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC NA

Is the Structure mixed use? NA If yes, separated or non separated or non separated (section 302.3) NA

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

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) NA

Floor Area Use	Loads Shown

Wind loads (1603.1.4, 1609) NA

____ 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) NA

____ Design option utilized (1614.1)

____ Seismic use group ("Category")

____ Spectral response coefficients, SDs & SD1 (1615.1)

____ Site class (1615.1.5)

____ Live load reduction

20 Roof *live* loads (1603.1.2, 1607.11)

46 FLAT ROOF Roof snow loads (1603.7.3, 1608)

60 Ground snow load, P_g (1608.2)

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

1 If P_g > 10 psf, snow exposure factor, C_e

1 If P_g > 10 psf, snow load importance factor, I_s

NA Roof thermal factor, C_t (1608.4)

____ Sloped roof snowload, P_s (1608.4)

NA Seismic design category (1616.3)

NA Basic seismic force resisting system (1617.6.2)

NA Response modification coefficient, R_f and deflection amplification factor C_d (1617.6.2)

NA Analysis procedure (1616.6, 1617.5)

NA 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