Certificate of Design Application

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/01/16

'om Designer: Eric Grondahl

ate: 12-15-15

b Name: 522 Washington ave Addition

ddress of Construction: 522 Washington Ave

2009 International Building Code

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

uilding Code & Year IBC 2009 Use Group Classification (s) Business Professional

'pe of Construction Type V

ill the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC no

the Structure mixed use? no If yes, separated or non separated or non separated (section 302.3) _____

pervisory alarm System? no Geotechnical/Soils report required? (See Section 1802.2) _____

ructural Design Calculations

_____ Submitted for all structural members (106.1 – 106.11)

esign Loads on Construction Documents (1603)

uiformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
)FFICE	50
:ORRIDORS	80

ind loads (1603.1.4, 1609)

A Design option utilized (1609.1.1, 1609.6)
A Basic wind speed (1809.3)
A Building category and wind importance Factor, I_w table 1604.5, 1609.5)
A Wind exposure category (1609.4)
A Internal pressure coefficient (ASCE 7)
A Component and cladding pressures (1609.1.1, 1609.6.2.2)
A Main force wind pressures (7603.1.1, 1609.6.2.1)

ırth design data (1603.1.5, 1614-1623)

A Design option utilized (1614.1)
A Seismic use group ("Category")
A Spectral response coefficients, S_{DS} & S_{D1} (1615.1)
A Site class (1615.1.5)

NA Live load reduction
NA Roof *live* loads (1603.1.2, 1607.11)
39 Roof snow loads (1603.7.3, 1608)
50 Ground snow load, P_g (1608.2)
39 If P_g > 10 psf, flat-roof snow load P_f
1.0 If P_g > 10 psf, snow exposure factor, C_e
1.0 If P_g > 10 psf, snow load importance factor, I_s
1.0 Roof thermal factor, C_t (1608.4)
1.0 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_l 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)

NA Flood Hazard area (1612.3)
NA Elevation of structure

Other loads

NA Concentrated loads (1607.4)
NA Partition loads (1607.5)
NA Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404