Certificate of Design Application

Inspections Division
Date: 10/13/16

From Designer: Ryan Senatore Architecture

Date: 09/07/16

Job Name: The Olympia Companies Office Renovation

Address of Construction: 7 Custom House Street, 5th Floor

2009 International Building Code

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

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

Type of Construction 3B

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

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

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

Structural Design Calculations

NA 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
NA	NA

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, S_{DS} & S_{D1} (1615.1)

___ Site class (1615.1.5)

NA 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_l 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)

NA Flood Hazard area (1612.3)

___ Elevation of structure

Other loads

NA 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