



Certificate of Design Application

From Designer: VexLab

Date: 3/4/15

Job Name: FINVED PROPERTIES LLC

Address of Construction: 1 MONUMENT SQ - PORTLAND, ME 04101

2009 International Building Code

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

Building Code & Year IBC-2009 Use Group Classification (s) R-1000

Type of Construction DEMO ONLY MINS CORN

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC YES

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

Supervisory alarm System? Y 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 (7603.14, 1807) _____

Floor Area Use _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

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, SDs & SDI (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, G (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 , and

deflection amplification factor, C_d (1617.6.2)

_____ Analysis procedure (1616.6, 1617.5)

_____ Design base shear (1617.4, 1617.5.1)

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)