



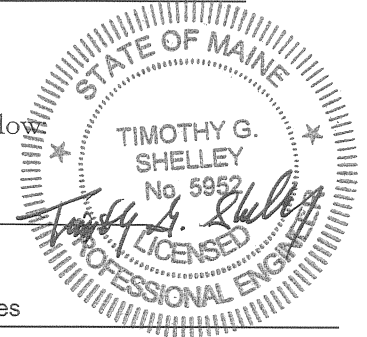
Certificate of Design Application

From Designer: re*fab
 Date: 3/26/15
 Job Name: Finard Properties, LLC
 Address of Construction: 1 Monument Square - 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) B-business
 Type of Construction Infill floor @ internal stairs - Floors 7, 9, 10
 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 or non separated (section 302.3) _____
 Supervisory alarm System? yes 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)

Floor Area Use	Loads Shown
<u>OFFICE</u>	<u>20 PSF</u>
<u>(MATCHS ORIGINAL BUILDING DESIGN LINE LOAD)</u>	

Wind loads (1603.1.4, 1609)

N/A 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)

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

No Live load reduction
N/A 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 , and deflection amplification factor, C_d (1617.6.2)
 _____ Analysis procedure (1616.6, 1617.5)
N/A Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)
N/A Elevation of structure

Other loads

2000# Concentrated loads (1607.4)
20 PSF Partition loads (1607.5)
10 PSF Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)