

ORTLAND!	Certificate of Design Application
From Designer:	MDesigns Monica Ann Dominak
Date:	29 May 2015
Job Name:	H. M. Payson
Address of Construction:	One Portland Square
2009 International Building Code Construction project was designed to the building code criteria listed below:  Building Code & Year Use Group Classification (s)	
	erior finishes and glass storefront walls
Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC all existing	
Is the Structure mixed use?	If yes, separated or non separated or non separated (section 302.3)
Supervisory alarm System?	Geotechnical/Soils report required? (See Section 1802.2)
Structural Design Calculations  Live load reduction  Roof live loads (1603.1.2, 1607.11)	

Floor Area Use

\_\_\_Design option utilized (1609.1.1, 1609.6)

\_\_Basic wind speed (1809.3)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

\_Building category and wind importance Factor, by table 1604.5, 1609.5)

Loads Shown

\_\_\_\_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 & SD1 (1615.1)

\_Site class (1615.1.5)

Roof snow loads (1603.7.3, 1608)

\_\_Ground snow load, Pg (1608.2) If Pg > 10 psf, flat-roof snow load  $p_f$ 

If Pg > 10 psf, snow exposure factor,  $C_e$ \_If Pg > 10 psf, snow load importance factor,  $f_c$ 

\_Roof thermal factor, C<sub>t</sub> (1608.4) \_\_Sloped roof snowload, p<sub>r</sub>(1608.4)

Seismic design category (1616.3)

Basic seismic force resisting system (1617.6.2)

\_Response modification coefficient, R1 and deflection amplification factor<sub>Cd</sub> (1617.6.2)

\_Analysis procedure (1616.6, 1617.5)

\_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