



# Certificate of Design Application

From Designer: Reiter Architecture & Design

Date: November 7, 2014

Job Name: 90 Congress Street Restaurant

Address of Construction: 90 Congress St., Portland, Maine

## 2009 International Building Code

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

This is an existing building - condominium with 88-90 Congress Street (#88 is Rosemont Market). No change to use or exterior envelope.

Building Code & Year 1972 Use Group Classification (s) B (restaurant, under 50 seats)

Type of Construction Removeable canvas, acrylic and aluminum entrance doors & sidepanels for creating winter vestibule, attached to existing masonry building. Does not extend beyond existing building line.

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

Is the Structure mixed use? yes (retail food Market is in other half of bldg.) If yes, separated or non separated or non separated (section 302.3) \_\_\_\_\_

Supervisory alarm System? No Geotechnical/Soils report required? (See Section 1802.2) NA (no new additions or changes to structure)

Structural Design Calculations NA

\_\_\_\_\_ Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603) NA

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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,  $S_D$  &  $S_{D1}$  (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,  $C_t$  (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,  $R_f$  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)