



# Certificate of Design Application

From Designer: Michael R. Charek  
 Date: September 13, 2013  
 Job Name: 905 Forest Avenue Renovations  
 Address of Construction: 905 Forest Avenue

## 2009 International Building Code

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

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

Type of Construction VB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC NO

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

Supervisory alarm System? NO Geotechnical/Soils report required? (See Section 1802.2) N/A

### Structural Design Calculations

N/A 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 |
|----------------|-------------|
| <u>N/A</u>     | <u>N/A</u>  |
| <u>N/A</u>     | <u>N/A</u>  |
| <u>N/A</u>     | <u>N/A</u>  |
| <u>N/A</u>     | <u>N/A</u>  |
| <u>N/A</u>     | <u>N/A</u>  |

### Wind loads (1603.1.4, 1609)

- N/A Design option utilized (1609.1.1, 1609.6)
- N/A Basic wind speed (1809.3)
- N/A Building category and wind importance Factor,  $w$  (table 1604.5, 1609.5)
- N/A Wind exposure category (1609.4)
- N/A Internal pressure coefficient (ASCE 7)
- N/A Component and cladding pressures (1609.1.1, 1609.6.2.2)
- N/A 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)
- N/A Seismic use group ("Category")
- N/A Spectral response coefficients,  $S_D$  &  $S_1$  (1615.1)
- N/A Site class (1615.1.5)

- N/A Live load reduction
- N/A Roof *live* loads (1603.1.2, 1607.11)
- N/A Roof snow loads (1603.7.3, 1608)
- N/A Ground snow load,  $P_g$  (1608.2)
- N/A If  $P_g > 10$  psf, flat-roof snow load  $P_f$
- N/A If  $P_g > 10$  psf, snow exposure factor,  $C_e$
- N/A If  $P_g > 10$  psf, snow load importance factor,  $I_s$
- N/A Roof thermal factor,  $C_t$  (1608.4)
- N/A Sloped roof snowload,  $P_s$  (1608.4)
- N/A Seismic design category (1616.3)
- N/A Basic seismic force resisting system (1617.6.2)
- N/A Response modification coefficient,  $R_f$  and deflection amplification factor  $C_d$  (1617.6.2)
- N/A 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

- N/A Concentrated loads (1607.4)
- N/A Partition loads (1607.5)
- N/A Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)




# Accessibility Building Code Certificate

**Designer:** Michael R. Charek

**Address of Project:** 905 Forest Avenue

**Nature of Project:** 905 Forest Avenue Renovations: Exterior  
and interior renovations to prepare building  
for marketing as commercial rental.

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.

**Signature:** 

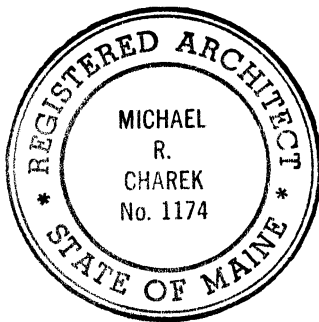
**Title:** Principal

**Firm:** Michael Charek Architects

**Address:** 25 Hartley Street

Portland, ME 04103

**Phone:** 207-761-0556



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# Certificate of Design


**Date:** September 13, 2013

**From:** Michael R. Charek

**These plans and / or specifications covering construction work on:**

905 Forest Avenue Renovations: Exterior and interior renovations  
to prepare building for marketing as commercial rental.

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2009 International Building Code** and local amendments.

**Signature:** 

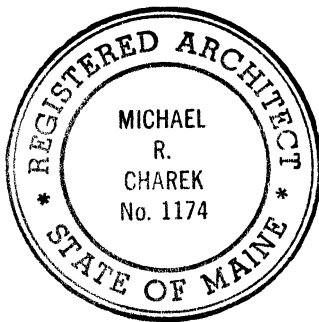
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