Certificate of Design Application

From Designer: Carol Morrissette

Date: 9/15/14

Job Name: 80-90 Middle Street Renovation

Address of Construction: 80-90 Middle Street

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) ASSEMBLY GROUP A-2

Type of Construction II-A

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? YES If yes, separated or non separated or non separated (section 302.3) SEPARATED BY STORY ONLY

Supervisory alarm System? YES 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

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_{DS} & 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_I and deflection amplification factor C_d (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

Accessibility Building Code Certificate

Designer: CAROL MORRISSETTE

Address of Project: 80-90 MIDDLE STREET

Nature of Project: INTERIOR RENOVATION OF FORMER PEPPERCLUB & SHARED KITCHEN SPACE;

ADDITION OF ADA BATH AND NEW SEATING TO EVENTIDE RESTAURANT;

AND CHANGE OF USE FOR 668 SF FROM MERCANTILE TO ASSEBLY

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: com.apple.idms.appleid.prd.6b5167574d716d5470367a526 96d432f776d6c4c4a773d3d Digitally signed by com.apple.idms.appleid.prd.6b5167574d716d5470367a526 DN: cn=com.apple.idms.appleid.prd.6b5167574d716d5470367a526 Date: 2014.09.14 19:56:53 -04'00'

Title: Principal

Firm: Residential Design Studio, LLC

Address: 174 Danforth St.
Portland, ME 04102

Phone: 207-699-4184

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

Certificate of Design

Date: 9/15/14

From: RESIDENTIAL DESIGN STUDIO, LLC

These plans and / or specifications covering construction work on:

80-90 MIDDLE STREET: HUGO'S, EVENTIDE, & NEW CONCEPT RESTUARANT INTERIOR RENOVATIONS INCLUDING NEW SHARED KITCHEN; NEW ADA BATHROOM W/

ADDITIONAL EVENTIDE SEATING; NEW CONCEPT RESTAURANT; AND CHANGE OF USE FOR 668 SF FROM MERCANTILE TO ASSEMBLY. EACH RESTAURANT'S OCCUPANCY REMAINS BELOW 50.

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: com.apple.idms.appleid.prd.6 b5167574d716d5470367a526 96d432f776d6c4c4a773d3d

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Date: 2014.09.14 20:03:49 -04'00'

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