Certificate of Design Application

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 04/25/17

From Designer: Christopher Briley

Date: 12-29-16

Job Name: 24 Preble St. - Arcadia - Rennovation

Address of Construction: 24 Preble St. Portland, Maine 04101

2009 International Building Code

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

Building Code & Year 2009 IBC,IEBC Use Group Classification (s) A/B

Type of Construction V, A protected

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC yes

Is the Structure mixed use? yes If yes, separated or non separated or non separated (section 302.3) Separated

Supervisory alarm System? No Geotechnical/Soils report required? (See Section 1802.2) no

Structural Design Calculations

NA-all existin 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_l 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

Reviewed for Code Compliance
Inspections Division
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Date: 04/25/17

Designer: Chris Briley

Address of Project: 24 Preble St. Portland, ME 04101

Nature of Project: Renovation of existing bar/arcade and expansion to include space previously used as separate office tenant space adjacent. New sprinkler system as part of previous phase of

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.

(SEAL) LICENSED ARCHITECT CHRISTOPHER M. BRILEY No. 2788 STATE OF MAINE

Signature: Digitally signed by Chris Briley DN: cn=Chris Briley, o, ou, email=cbriley@briburn.com, c=US Date: 2016.09.27 17:06:09 -04'00'

Title: Architect

Firm: BRIBURN

Address: 28 Maple St. Portland, ME 04101

Phone: 207-286-6774

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

Building Inspections Division • 389 Congress Street • Portland, Maine 04101 • (207) 874-8703 • FACSIMILE (207) 874-8716 • TTY (207) 874-8936

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Date: 04/25/17

Date: December 29, 2016

From: Christopher Briley, Architect, Briburn

These plans and / or specifications covering construction work on:

24 Preble St. - Arcadia - Renovation

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: Digitally signed by Chris Briley
DN: cn=Chris Briley, o, ou, email=cbriley@briburn.com, c=US
Date: 2016.09.27 17:06:30 -04'00'

(SEAL) LICENSED ARCHITECT CHRISTOPHER M. BRILEY No. 2788 STATE OF MAINE

Title: Architect

Firm: BRIBURN

Address: 28 Maple St.
Portland, ME 04101

Phone: 207-774-8482

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