Certificate of Design Applicatio

From Designer: Leland Hulst

Date: April 22, 2013

Job Name: 217 Commercial Suite 205 Office Renovation

Address of Construction: 217 Commercial Street, Portland, Maine 04101

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/27/13

2009 International Building Code

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

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

Type of Construction existing 1852 brick and timber

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

Supervisory alarm System? Yes Geotechnical/Soils report required? (See Section 1802.2) NA

Structural Design Calculations

NA 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
Existing	

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_f 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 Certific

Reviewed for Code Compliance
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Approved with Conditions

Designer: LELAND HULST ARCH

Date: 06/27/13

Address of Project: 217 COMMERCIAL ST. / 38 [illegible]

Nature of Project: OFFICE RENOVATION

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.

REGISTERED ARCHITECT
LELAND G. HULST, III
No. 1144
STATE OF MAINE

Signature:

Title: PRINCIPAL

Firm: LELAND HULST ARCHITECTURAL SERVICES

Address: 278 SPRING ST.
PORTLAND, ME. 04102

Phone: 207-773-2843

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

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Inspections Division
Approved with Conditions

Date: 06/27/13

Date: 9/13/13

From: LELAND HULST ARCHITECT

These plans and / or specifications covering construction work on:

217 COMMERCIAL ST. / 38 WHARF ST.

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

REGISTERED ARCHITECT
LELAND G. HULST, III
No. 1144
STATE OF MAINE

Signature:

Title: PRINCIPAL

Firm: LELAND HULST ARCHITECTURAL SERVICES

Address: 278 SPRING ST.
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