Certificate of Design Application

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

From Designer: ASSOCIATED DESIGN PARTNERS, INC.

Date: 9-10-13 Date: 09/18/13

Job Name: 129 GRANT ST. FIRE RESTORATION

Address of Construction: 129 GRANT ST. - PORTLAND

2009 International Building Code

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

Building Code & Year 2009 IEBC Use Group Classification (s) R-2

Type of Construction TYPE I

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) NO

Structural Design Calculations

N 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
NO FLOOR DESIGN	

Wind loads (1603.1.4, 1609)

ANALYTICAL Design option utilized (1609.1.1, 1609.6)

100 MPH Basic wind speed (1809.3)

II ; 1.0 Building category and wind importance Factor, I_w table 1604.5, 1609.5)

B Wind exposure category (1609.4)

.18 Internal pressure coefficient (ASCE 7)

PER ASCE BASED ON EWA Component and cladding pressures (1609.1.1, 1609.6.2.2)

15 PSF Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623) N/A

ASCE 12.8.1 Design option utilized (1614.1)

1 Seismic use group ("Category")

.314/.125 Spectral response coefficients, S_{Ds} & S_{D1} (1615.1)

D Site class (1615.1.5)

NO Live load reduction

20 Roof *live* loads (1603.1.2, 1607.11)

42 PSF Roof snow loads (1603.7.3, 1608)

60 PSF Ground snow load, P_g (1608.2)

42 PSF If P_g > 10 psf, flat-roof snow load P_f

1.0 If P_g > 10 psf, snow exposure factor, C_e

1.0 If P_g > 10 psf, snow load importance factor, I_s

1.0 Roof thermal factor, C_t (1608.4)

N/A Sloped roof snowload, P_s (1608.4)

B Seismic design category (1616.3)

WSW Basic seismic force resisting system (1617.6.2)

_____ Response modification coefficient, R_s and deflection amplification factor C_d (1617.6.2)

ASCE 12.8.1 Analysis procedure (1616.6, 1617.5)

N/A Design base shear (1617.4, 16175.5.1)

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 Certifica

Reviewed for Code Compliance
Inspections Division
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Date: 09/18/13

Designer: JAMES THIBODEAU

Address of Project: 129 GRANT ST

Nature of Project: REPAIRS TO THIRD FLOOR AFTER FIRE

Signature:

Title: PRESIDENT

Firm: ASSOCIATED DESIGN PARTNERS.

Address: 80 LEIGHTON RD
FALMOUTH 04105

Phone: 878-1751

(SEAL)

STATE OF MAINE
JAMES A. THIBODEAU
No. 2604
PROFESSIONAL ENGINEER

9.16.13

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

Certificate of Design

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Inspections Division
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Date: 09/18/13

Date: 9-10-13

From: JAMES THIBODEAU

These plans and / or specifications covering construction work on:

FIRE RELATED REPAIRS TO 129 GRANT 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.

Signature:

Title: PRESIDENT

Firm: ASSOCIATED DESIGN PARTNERS INC.

Address: 80 LEIGHTON RD

FALMOUTH 04105

Phone: 878-1757.

(SEAL)

STATE OF MAINE
JAMES T. THIBODEAU
NO. 5726
LICENSED
PROFESSIONAL ENGINEER

9.16.13

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