



Certificate of Design Application

From Designer: JOSEPH A. DEWANEY
 Date: 10/24/14
 Job Name: PAPI AND POMANO BUILDERS - NEW SHOP
 Address of Construction: 828 RIVERSIDE ST. PORTLAND ME 04104

2009 International Building Code

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

Building Code & Year 2009 IBC Use Group Classification (s) F-1 MODERATE
 Type of Construction 5 B
 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) N.A.
 Supervisory alarm System? NO Geotechnical/Soils report required? (See Section 1802.2) PROVIDED

Structural Design Calculations

YES Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Floor Area Use	Loads Shown
<u>STORAGE LT.</u>	<u>125 PSF</u>
<u>MANUF. LT.</u>	<u>125 PSF</u>
<u>OFFICE</u>	<u>50 PSF</u>
<u>LOBBIES, STAIR, ENT</u>	<u>100 PSF</u>

Wind loads (1603.1.4, 1609)

1609.6 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)
+/- 0.18 Internal pressure coefficient (ASCE 7)
+20.8/-22.7 Component and cladding pressures (1609.1.1, 1609.6.2.2)
14.2/17.8 Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

1615 Design option utilized (1614.1)
IIC Seismic use group ("Category")
0.13/0.16 Spectral response coefficients, S_D & S_{DI} (1615.1)
"D" Site class (1615.1.5)

NA Live load reduction
45 Roof live loads (1603.1.2, 1607.11)
45 Roof snow loads (1603.7.3, 1608)
50 Ground snow load, P_g (1608.2)
45 If $P_g > 10$ psf, flat-roof snow load P_f
0.9 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)
NA Sloped roof snowload, P_s (1608.4)
"C" Seismic design category (1616.3)
"1.1K" Basic seismic force resisting system (1617.6.2)
0.5 Response modification coefficient, R_f and
4 deflection amplification factor C_d (1617.6.2)
1617.5 Analysis procedure (1616.6, 1617.5)
1050W Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

Flood Hazard area (1612.3)
 Elevation of structure

Other loads

2000 # Concentrated loads (1607.4)
20 psf 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: JOSEPH A. DELANEY

Address of Project: 828 RIVERSIDE ST. PORTLAND ME 04104

Nature of Project: NEW SHOP FOR PAPI & ROMANO
BUILDERS -

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: Joseph A. Delaney

Title: ARCHITECT

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