Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/12/16

Certificate of Design Application

er: David Matero Architecture

Date: 02/09/16

Job Name: Amigo's Mexican Restaurant and Bar

Address of Construction: 9 Dana Street, Portland, ME

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) 75,000

Type of Construction VB

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? 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) _____

Structural Design Calculations

No 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
Deck	LL = 100 psf
	DL = 15 psf

Wind loads (1603.1.4, 1609)

Analytical Design option utilized (1609.1.1, 1609.6)

100 mph Basic wind speed (1809.3)

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

B Wind exposure category (1609.4)

0.55 Internal pressure coefficient (ASCE 7)

25 psf Component and cladding pressures (1609.1.1, 1609.6.2.2)

25 psf Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

Non Bldg Str Design option utilized (1614.1)

C Seismic use group ("Category")

0.372, 0.168 Spectral response coefficients, S_{Ds} & S_{D1} (1615.1)

D Site class (1615.1.5)

Not taken Live load reduction

N/A Roof *live* loads (1603.1.2, 1607.11)

N/A Roof snow loads (1603.7.3, 1608)

60 psf Ground snow load, P_g (1608.2)

46 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

1.1 Roof thermal factor, C_t (1608.4)

N/A Sloped roof snowload, P_s (1608.4)

C Seismic design category (1616.3)

OMF Basic seismic force resisting system (1617.6.2)

3.5, 3.0 Response modification coefficient, R_f and deflection amplification factor C_d (1617.6.2)

Equiv lat. force Analysis procedure (1616.6, 1617.5)

0.8 kips Design base shear (1617.4, 16175.5.1)

Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)

12 ft +/- 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