



Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 09/11/14

Certificate of Design Application

From Designer: Bild Architecture, LLC
 Date: 8/8/2014
 Job Name: Dobra Tea
 Address of Construction: 89 Exchange Street, Portland, ME 04104

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) Business
 Type of Construction Existing Building - Appears to be Type IIIB
 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? 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 No structural work being performed.

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_D & S_{D1} (1615.1)
Site class (1615.1.5)

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, 1607.8.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)

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_d and deflection amplification factor, C_d (1617.6.2)
Analysis procedure (1616.6, 1617.5)
Design base shear (1617.4, 16175.5.1)