



# Certificate of Design Application

From Designer: Sean Wagner  
 Date: 8/1/2014  
 Job Name: Anthropologie  
 Address of Construction: 60 Pearl Street, Portland ME 04101

## 2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) M - Mercantile

Type of Construction III-B

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC N/A

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) No

### Structural Design Calculations

not included (TI work only) 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 |
|----------------|-------------|
| NA             | NA          |
|                |             |
|                |             |
|                |             |

### Wind loads (1603.1.4, 1609)

- NA Design option utilized (1609.1.1, 1609.6)
- NA Basic wind speed (1809.3)
- NA Building category and wind importance Factor,  $I_p$ , table 1604.5, 1609.5)
- NA Wind exposure category (1609.4)
- NA Internal pressure coefficient (ASCR 7)
- NA Component and cladding pressures (1609.1.1, 1609.6.2.2)
- NA Main force wind pressures (7603.1.1, 1609.6.2.1)

### Earth design data (1603.1.5, 1614-1623)

- NA Design option utilized (1614.1)
- III Seismic use group ("Category")
- 0.324 & 0.123 Spectral response coefficients,  $S_D$  &  $S_1$  (1615.1)
- D (assumed) Site class (1615.1.5)

- NA Live load reduction
- NA Roof live loads (1603.1.2, 1607.11)
- NA Roof snow loads (1603.7.3, 1608)
- NA Ground snow load,  $P_g$  (1608.2)
- NA If  $P_g > 10$  psf, flat-roof snow load  $P_f$
- NA If  $P_g > 10$  psf, snow exposure factor,  $C_e$
- NA If  $P_g > 10$  psf, snow load importance factor,  $I_s$
- NA Roof thermal factor,  $C_T$  (1608.4)
- NA Sloped roof snowload,  $P_s$  (1608.4)
- B Seismic design category (1616.3)
- NA (TI) Basic seismic force resisting system (1617.6.2)
- NA Response modification coefficient,  $R$ , and deflection amplification factor  $C_d$  (1617.6.2)
- NA Analysis procedure (1616.6, 1617.5)
- NA Design base shear (1617.4, 1617.5.1)

### Flood loads (1803.1.6, 1612)

- NA Flood Hazard area (1612.3)
- NA Elevation of structure

### Other loads

- NA Concentrated loads (1607.4)
- NA Partition loads (1607.5)
- NA Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)