



Certificate of Design Application

From Designer: Shirley E Holt, Maine Licensed Architect
 Date: January 16, 2015
 Job Name: Arcadis
 Address of Construction: 482 Congress Street, Suite 501, Portland, Maine 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) Business

Type of Construction IV Heavy Timber

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

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

NA 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, 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_{DI} (1615.1)
 _____ Site class (1615.1.5)

_____ 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 and
 deflection amplification factor C_d (1617.6.2)
 _____ Analysis procedure (1616.6, 1617.5)
 _____ Design base shear (1617.4, 1617.5.1)

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, 1607.6.1, 1607.7,
 1607.12, 1607.13, 1610, 1611, 2404)



Accessibility Building Code Certificate

Designer: Shirley E Holt, Maine Licensed Architect

Address of Project: 482 Congress Street, Suite 501, Portland, Maine

Nature of Project: Renovations to an existing business office
for an existing tenant.

To the best of my knowledge, information and belief,
 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: Shirley E Holt Digitally signed by Shirley E Holt
 DN: cn=Shirley E Holt, o=Design Group Collaborative, ou=Portland, email=SHolt@DGCArchitects.com, c=US
 Date: 2015.01.16 14:35:00 -05'00'

Title: Senior Architect

Firm: Design Group Collaborative

Address: 22 Free Street, Suite 303

Phone: (207)699-3300

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



Certificate of Design

Date: January 16, 2015

From: Shirley E Holt, Maine Licensed Architect

These plans and / or specifications covering construction work on:

482 Congress Street, Suite 501

Portland, Maine 04101

to the best of my knowledge, information and belief,
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: Shirley E Holt Digitally signed by Shirley E Holt
DN: cn=Shirley E Holt, o=Design Group
Collaborative, ou=Portland,
email=SHolt@DGCArchitects.com, c=US
Date: 2015.01.16 14:46:16 -0500

Title: Senior Architect

Firm: Design Group Collaborative

Address: 22 Free Street, Suite 303

Portland, Maine 04101

Phone: (207)699-3300



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