



Certificate of Design Application

From Designer: Whipple I Callender Architects
 Date: January 19, 2017
 Job Name: MMP Otolaryngology Lab renovation
 Address of Construction: 1250 Forest Ave

2009 International Building Code

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

Building Code & Year BOCA '86 Use Group Classification (s) BUSINESS
 Type of Construction TYPE 11B
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC existing
 Is the Structure mixed use? no If yes, separated or non separated or non separated (section 302.3) n/a
 Supervisory alarm System? yes Geotechnical/Soils report required? (See Section 1802.2) n/a

Structural Design Calculations

n/a 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 & S_{D1} (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_f 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: Whipple I Callender Architects

Address of Project: 1250 Forest Ave

Nature of Project: Renovations of a couple rooms to enlarge and reconfigure
two lab spaces. Bathroom relocated.

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: *Anne Callender*

Title: Architect

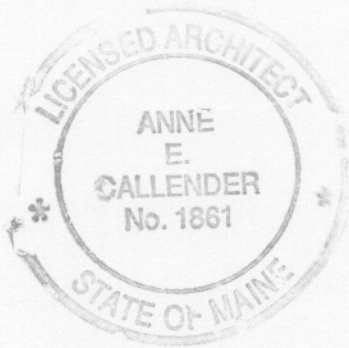
Firm: Whipple I Callender Architects

Address: PO Box 1276

Portland, ME 04104

Phone: 775-2696 x 105

(SEAL)



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 19, 2017

From: Whipple I Callender Architects

These plans and / or specifications covering construction work on:

MMP Otolaryngology Labs and bathroom, Third floor office suite, 1250 Forest Ave. Portland.

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: *Anne Callender*

Title: Architect

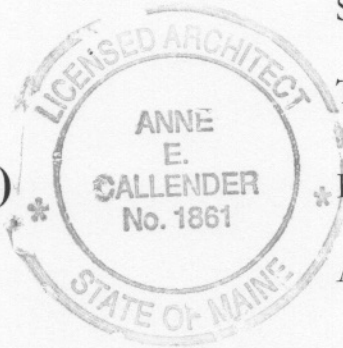
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