



# Certificate of Design Application

From Designer: TIMOTHY BRAUN  
 Date: 12/15/16  
 Job Name: MMP OUTPATIENT CLINIC  
 Address of Construction: 22 BRANTHALL ST, PORTLAND, ME 04102

## 2009 International Building Code

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

Building Code & Year 2009 Use Group Classification (s) Business  
 Type of Construction IA  
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC YES  
 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) N/A

### Structural Design Calculations

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,  $S_D$  &  $S_{DI}$  (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, 16175.5.1)

### 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:

Timothy Braun

Address of Project:

22 Bram Hall

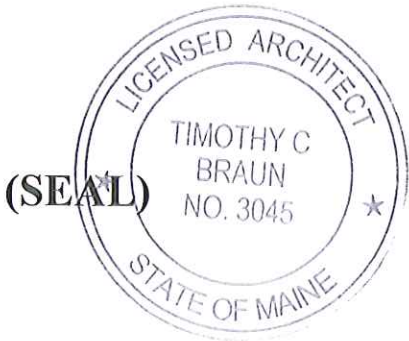
Nature of Project:

OUTPATIENT CLINIC Lobby

AND RECEPTION AREA

RENOVATION

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:

[Handwritten Signature]

Title:

ARCHITECT

Firm:

MAINE MEDICAL CENTER

Address:

22 BRAM HALL ST

PORTLAND, ME 04102

Phone:

662-2437

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# Certificate of Design

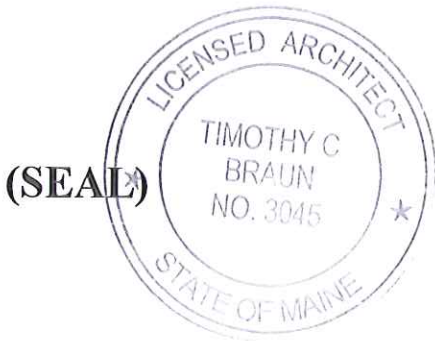
Date: 12/20/14

From: Timothy Braun

These plans and / or specifications covering construction work on:

OUTPATIENT CLINIC RENOVATIONS

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: Timothy C. Braun

Title: ARCHITECT

Firm: MAINE MEDICAL CENTER

Address: 22 Bramhall St

PORTLAND, ME 04102

Phone: 662-2437

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