



# Certificate of Design Application

From Designer: Derek Veilleux, SMRT  
 Date: January 30, 2017  
 Job Name: Maine Medical Center - Mammography Renovations  
 Address of Construction: 22 Bramhall St, Portland Maine 04102

## 2009 International Building Code

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

Building Code & Year Existing Use Group Classification (s) Existing  
 Type of Construction Existing  
 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? Existing If yes, separated or non separated or non separated (section 302.3) \_\_\_\_\_  
 Supervisory alarm System? Existing 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
<u>N/A</u>	

### Wind loads (1603.1.4, 1609)

N/A Design option utilized (1609.1.1, 1609.6)  
 " Basic wind speed (1809.3)  
 " Building category and wind importance Factor,  $w_b$ , 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)

N/A Design option utilized (1614.1)  
 " Seismic use group ("Category")  
 " Spectral response coefficients,  $S_D$ s &  $S_{D1}$  (1615.1)  
 " Site class (1615.1.5)

N/A 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)

N/A Flood Hazard area (1612.3)  
 " Elevation of structure

### Other loads

N/A 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)



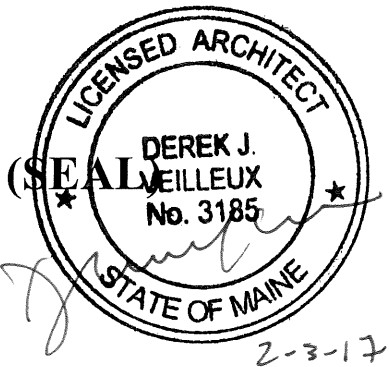
# Accessibility Building Code Certificate

Designer: Derek Veilleux

Address of Project: 22 Bramhall St, Portland Maine 04102

Nature of Project: Replacement of mammography equipment and renovations  
to create a new consult room and relocate the Changing  
room.

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: *Derek Veilleux*

Title: PRINCIPAL ARCHITECT

Firm: SMRT INC

Address: 144 FORE ST.  
PORTLAND, ME 04101

Phone: 207.772.3846

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# Certificate of Design

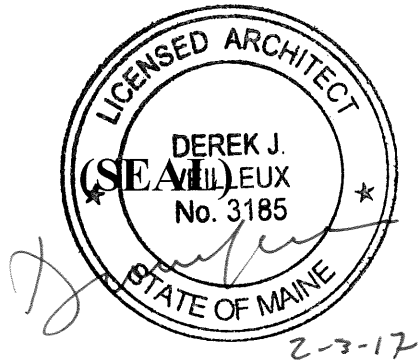
Date: January 30, 2017

From: Derek Veilleux

These plans and / or specifications covering construction work on:

Replacement of mammography equipment and renovations to create a new consult room and relocate the Changing room.

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: *[Handwritten Signature]*

Title: PRINCIPAL ARCHITECT

Firm: SMRT INC.

Address: 144 FORE ST.

PORTLAND, ME 04101

Phone: 207. 772. 3846

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