



Certificate of Design Application

From Designer: SMRT INC.
 Date: MARCH 20, 2014
 Job Name: MAINE MEDICAL CENTER NUCLEAR MEDICINE RENOVATION Phase 1
 Address of Construction: 22 BRAMHALL ST. PORTLAND, 04102

2009 International Building Code

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

Building Code & Year IBC 2012 Use Group Classification (s) I-2 HEALTHCARE
 Type of Construction EXISTING, 1B, (2,2,2 NFPA)
 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) NO

Structural Design Calculations NOT APPLICABLE
NA Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603) NOT APPLICABLE, BASEMENT LEVEL
 Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
<u>NA</u>	

Wind loads (1603.1.4, 1609) NOT APPLICABLE, EXISTING

NA 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) NOT APPLICABLE, EXISTING

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

NA 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_d 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) NOT APPLICABLE

NA Flood Hazard area (1612.3)
 Elevation of structure

Other loads NOT APPLICABLE.

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)



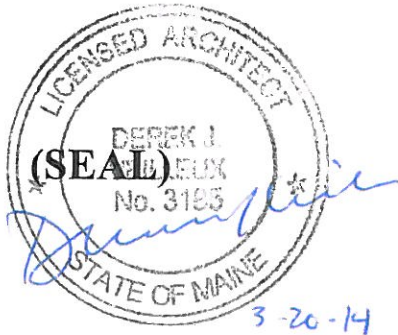
Accessibility Building Code Certificate

Designer: SMRT INC, DEREK J. VEILLEUX, AIA

Address of Project: 22 BRAMHALL ST. 04102

Nature of Project: RENOVATIONS TO EXISTING NUCLEAR
MEDICINE SUITE, ADA TOILET ROOMS.

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 J. Veilleux*

Title: ARCHITECT

Firm: SMRT INC.

Address: 144 FORE ST.
PORTLAND, ME 04101

Phone: 207.772.3846

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



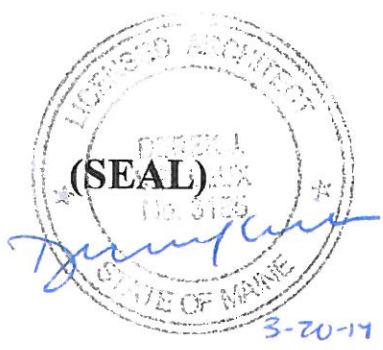
Certificate of Design

Date: MARCH 20, 2014

From: DEREK J. VEILLEUX, AIA

These plans and / or specifications covering construction work on:
RENOVATIONS TO EXISTING NUCLEAR MEDICINE SUITE

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: *Derek J. Veilleux*
Title: ARCHITECT
Firm: SMRT INC
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PORTLAND, ME 04101
Phone: 207.772.3846

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