



Certificate of Design Application

From Designer: Dennis Morelli
 Date: May 1, 2015
 Job Name: Bramhall Team Training Facility
 Address of Construction: 22 Bramhall street

2009 International Building Code

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

Building Code & Year NFPA 2009 IBC 2009 Use Group Classification (s) Health care / Institutional
 Type of Construction IA (332 Type I NFPA)

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

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>R 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 (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_I (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 , 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)
n/a 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)



Certificate of Design

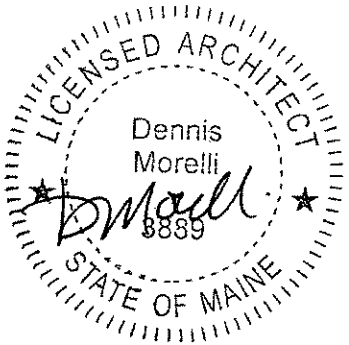
Date: May 1, 2015

From: Dennis Morelli

These plans and / or specifications covering construction work on:

Bramhall Team Training Facility

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2009 International Building Code** and local amendments.



(SEAL)

Signature: D Morelli

Title: Architect

Firm: Maine Medical Center

Address: 22 Bramhall St

Phone: 662-6149

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



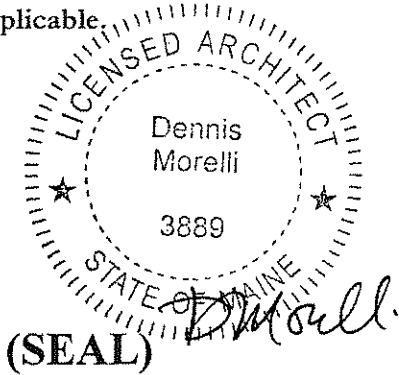
Accessibility Building Code Certificate

Designer: Dennis Morelli

Address of Project: 22 Bramhall Street

Nature of Project: Interior renovation to change existing meeting area/work room to new simulation training, conference/training 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: D Morelli

Title: Architect

Firm: Maine Medical Center

Address: 22 Bramhall St

Phone: 662 6149

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