



Certificate of Design Application

From Designer: e4h MorrisSwitzer Environments for Health

Date: 1-26-17

Job Name: ED Psychiatric Exam Room Renovations

Address of Construction: Maine Medical Center 22 Bramhall Street, Portland Maine, 04101

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) Healthcare

Type of Construction Type II

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? No If yes, separated or non separated or non separated (section 302.3) _____

Supervisory alarm System? Yes Geotechnical/Soils report required? (See Section 1802.2) _____

Structural Design Calculations

NA 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)

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)

NA 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_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)

NA Flood Hazard area (1612.3)

Elevation of structure

Other loads

NA 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: e4h MorrisSwitzer Environments for Health

Address of Project: Maine Medical Center 22 Bramhall Street, Portland Maine, 04101

Nature of Project: Minor renovation of emergency department exam 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.

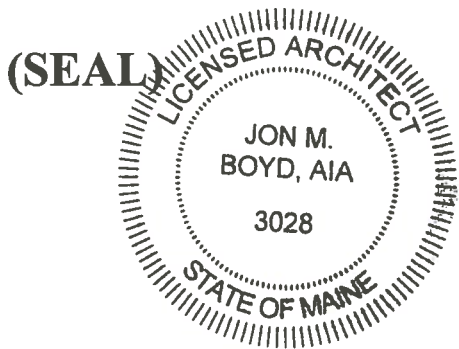
Signature: 

Title: Associate

Firm: e4h MorrisSwitzer Environments for Health

Address: 183 Middle Street Portland, ME

Phone: 207.773.8841



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



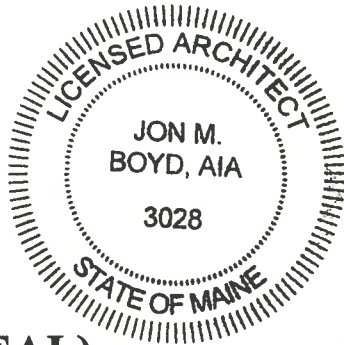
Certificate of Design

Date: 1-26-17

From: e4h MorrisSwitzer Environments for Health

These plans and / or specifications covering construction work on:
Renovation of emergency department exam rooms at Maine Medical .

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: 

Title: Associate Partner

Firm: e4h MorrisSwitzer Environments for Health

Address: 183 Middle Street Portland, ME

Phone: 207.773.8841

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