



Certificate of Design Application

From Designer:

MICHAEL F. HAYS

Date:

6/28/16

Job Name:

COURTHOUSE FOOD KIOSK

Address of Construction:

142 FEDERAL ST.

2009 International Building Code

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

Building Code & Year 2009 Use Group Classification (s) A-3 (COURTROOMS)

Type of Construction 3B

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC NO

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

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_{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 , 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)

NOT APPLICABLE



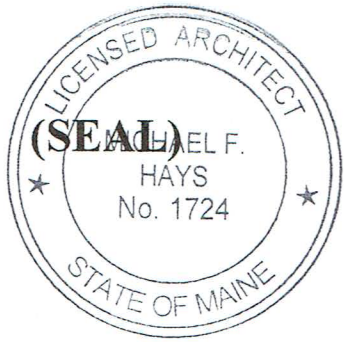
Accessibility Building Code Certificate

Designer: MICHAEL F. HAYS

Address of Project: 142 FEDERAL ST

Nature of Project: FOOD KIOSK AT EXISTING
COURTHOUSE LOBBY

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: Michael F. Hays

Title: PRINCIPAL

Firm: GHANT HAYS ASSOC.

Address: PO BOX 0171
FALMOUTH, ME 04105

Phone: 207.871.5900

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: 6/28/2016

From: MICHAEL F. HAYS

These plans and / or specifications covering construction work on:

NEW FOOD KIOSK AT EXISTING COURTHOUSE
LOBBY - 142 FEDERAL ST

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: Michael F Hays

Title: PRINCIPAL

Firm: GRANT HAYS ASSOC.

Address: P.O. BOX 6179

FALMOUTH, ME 04105

Phone: 207.871.5100

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