# General Building Permit Applicatio

If you or the property owner owes real estate or personal property taxes or user cha
within the City, payment arrangements must be made before permits of any ki

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/19/14

| | | |
|---|---|---|
| **Address/Location of Construction:** 70 FALMOUTH STREET | | |
| **Total Square Footage of Proposed Structure:** 891 sqft - FITUP | | |
| **Tax Assessor's Chart, Block & Lot**<br>Chart# 114A Block# A Lot# 1 | **Applicant Name:** UNIV. OF MAINE SYSTEM FOR USM<br>Address: 96 FALMOUTH STR.<br>City, State & Zip: PORTLAND ME 04104 | Telephone: 207-780-4160<br>Email: TBRAUN@USM.MAINE.EDU |
| Lessee/Owner Name:<br>(if different than applicant)<br>Address:<br>City, State & Zip:<br>Telephone & E-mail: | **Contractor Name:** TBD<br>(if different from Applicant)<br>Address:<br>City, State & Zip:<br>Telephone & E-mail: | Cost Of Work: $ 250,000<br>C of O Fee: $ 75<br>Historic Rev $<br>Total Fees : $ 2595 |

**Current use** (i.e. single family) BUSINESS - HIGHER EDUCATION
**If vacant, what was the previous use?** —
**Proposed Specific use:** SCIENCE LABORATORY
Is property part of a subdivision? ___ If yes, please name
Project description: FIT OUT OF EXISTING SHELL SPACE ON THIRD FLOOR FOR TEACHING LABORATORY

**Who should we contact when the permit is ready:** TIMOTHY BRAUN
**Address:** UNIVERSITY OF SOUTHERN MAINE, FACILITIES
**City, State & Zip:** 25 BEDFORD ST. PORTLAND, ME 04104
**E-mail Address:** TBRAUN@USM.MAINE.EDU
**Telephone:** 780-4742

Please submit all of the information outlined on the applicable checklist. Failure to do so causes an automatic permit denial.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: Robert E. Hunn Date: 3/28/14

This is not a permit; you may not commence ANY work until the permit is issued.

# Certificate of Design Application

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Inspections Division
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From Designer: HKTA / ARCHITECTS

Date: 3/28/14

Date: 05/19/14

Job Name: USM: BID-SCIENCE THIRD FLOOR LAB RENOVATIONS - BIOLOGY

Address of Construction: 70 FALMOUTH STREET

## 2009 International Building Code

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

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

Type of Construction IIB

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) 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 |
|---|---|
| | |
| | |
| | |
| | |
| | |

**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, $S_{DS}$ & $S_{D1}$ (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, 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

# Accessibility Building Code Certific

Reviewed for Code Compliance
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Date: 05/19/14

Designer: HKTA / ARCHITECTS

Address of Project: 70 FALMOUTH STREET

Nature of Project: USM BIO-SCIENCE THIRD FLOOR LAB RENOVATION - BIOLOGY BUILD OUT OF EXISTING SPACE

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.

REGISTERED ARCHITECT
ROBERT E. HOWE
No. 1241
STATE OF MAINE

(SEAL)

Signature: Robert E. Howe

Title: ARCHITECT

Firm: HKTA

Address: 482 CONGRESS STREET
PORTLAND, MAINE 04101

Phone: 207-774-6016

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



Building Inspections Division • 389 Congress Street • Portland, Maine 04101 • (207) 874-8703 • FACSIMILE (207) 874-8716 • TTY (207) 874-8936

# Certificate of Design

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/19/14

Date: 3/28/14

From: HKTA/ARCHITECTS

These plans and / or specifications covering construction work on:

USM - BIO-SCIENCE LAB RENOVATIONS - THIRD FLOOR BUILD OUT OF EXISTING SPACE

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

REGISTERED ARCHITECT
ROBERT E. HOWE
No. 1241
STATE OF MAINE

**(SEAL)**

Signature:

Title: ARCHITECT

Firm: HKTA/ARCHITECTS

Address: 482 CONGRESS STR.
PORTLAND 04101

Phone: 207-774-6016

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**Jeff Levine, AICP, Director**
**Planning & Urban Development Department**

**Tammy Munson, D**
**Inspections D**

Date: 05/19/14

# *Electronic Signature and Fee Payment Confirmation*

*Notice: Your electronic signature is considered a legal signature per state law.*

By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a ***legal signature*** per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no permit application can be reviewed until payment of appropriate permit fees are ***paid in full*** to the Inspections Office, City of Portland Maine by method noted below:

○ Within 24-48 hours, once my complete permit application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

☑ **Within 24-48 hours, once my permit application and corresponding** paperwork has been electronically delivered, I intend to **hand deliver** a payment method to the Inspections Office, Room 315, Portland City Hall.

○ I intend to deliver a payment method through the U.S. Postal Service mail once my permit paperwork has been electronically delivered.

Applicant Signature: Date: 3/28/14

I have provided digital copies and sent them on: Date: 3/28/14

NOTE: All electronic paperwork must be delivered to buildinginspections@portlandmaine.gov or by physical means ie; a thumb drive or CD to the office.

*389 Congress Street * Portland Maine 04101-3509 * Phone: (207) 874-8703 * Fax: (207) 874-8716*
http://www.portlandmaine.gov/planning/buildinsp.asp * E-Mail: buildinginspections@portlandmaine.gov

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Jeff Levine, AICP, Director
Planning & Urban Development Department

Tammy M
Inspectio

Date: 05/19/14

# Commercial Interior & Change of Use Permit Application Checklist

package will ensure your package is complete and will help to expedite the permitting process.

**One (1) complete set of construction drawings must include:**

**Note: Construction documents for costs in excess of $50,000.00 must be prepared by a Design** Professional and bear their seal.

- [N/A] Cross sections w/framing details
- [✓] Detail of any new walls or permanent partitions
- [✓] Floor plans and elevations
- [✓] Window and door schedules
- [✓] Complete electrical and plumbing layout.
- [✓] Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment or other types of work that may require special review
- [N/A] Insulation R-factors of walls, ceilings, floors & U-factors of windows as per the IEEC 2009
- [N/A] Proof of ownership is required if it is inconsistent with the assessors records.
- [N/A] Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".
- [N/A] Per State Fire Marshall, all new bathrooms must be ADA compliant.

**For additions less than 500 sq. ft. or that does not affect parking or traffic, a site plan exemption should be filed including:**

- [N/A] The shape and dimension of the lot, footprint of the existing and proposed structure and the distance from the actual property lines.
- [N/A] Location and dimensions of parking areas and driveways, street spaces and building frontage.
- [✓] Dimensional floor plan of existing space and dimensional floor plan of proposed space.

A Minor Site Plan Review is required for any change of use between 5,000 and 10,000 sq. ft. (cumulativ

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Jeff Levine, AICP, Director
Planning & Urban Development Department

Tammy M
Inspectio

Date: 05/19/14

**Fire Department requirements.**

The following shall be submitted on a separate sheet:

- [x] **Name, address and phone number of applicant and the project architect.**
- [x] **Proposed use of structure (NFPA and IBC classification)**
- [x] **Square footage of proposed structure (total and per story)**
- [x] **Existing and proposed fire protection of structure.**
- [x] **Separate plans shall be submitted for**
  - a) Suppression system
  - b) Detection System (separate permit is required)
- [x] A separate Life Safety Plan must include:
  - a) Fire resistance ratings of all means of egress
  - b) Travel distance from most remote point to exit discharge
  - c) Location of any required fire extinguishers d)
  - Location of emergency lighting
  - e) Location of exit signs
  - f) NFPA 101 code summary
- [x] Elevators shall be sized to fit an 80" x 24" stretcher.

For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.

**Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.**

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, **or stop by the Inspections Division office, room 315 City Hall or call 874-8703.**

Permit Fee: $30.00 for the first $1000.00 construction cost, $10.00 per additional $1000.00 cost

**This is not a Permit; you may not commence any work until the Permit is issued.**

***389 Congress Street * Portland Maine 04101-3509 * Phone: (207) 874-8703 * Fax: (207) 874-8716***
http://www.portlandmaine.gov/planning/buildinsp.asp * **E-Mail:** buildinginspections@portlandmaine.gov