

Form # P 04

**DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK
CITY OF PORTLAND**

Please Read
Application And
Notes, If Any,
Attached

PERMIT

Permit Number: 041849

PERMIT ISSUED
FEB - 7 2005
CITY OF PORTLAND

This is to certify that University Of Maine/Pizzaga

has permission to Interior renovations, new HVAC equipment mounted on roof.

AT 96 Falmouth St

114A A001001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and work in permit in progress before this building or part thereof is closed or enclosed-in. **48 HOUR NOTICE IS REQUIRED.**

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. [Signature]
Health Dept. _____
Appeal Board _____
Other _____

Department Name

[Signature]
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 04-1849	Issue Date: PERMIT ISSUED FEB - 7 2005	CBL: 114A A001001
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Location of Construction: 96 Falmouth St	Owner Name: University Of Maine	Owner Address: 107 Maine Ave	Phone: 207-874-2323
Business Name:	Contractor Name: Pizzagalli	Contractor Address: 100 Foden Road West, Suite 300, So. P.	Phone: 207-874-2323
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: R-5

Past Use: commercial	Proposed Use: commercial interior renovations, new HVAC equipment mounted on roof.	Permit Fee: \$5,826.00	Cost of Work: \$644,772.00	CEO District: 2
Proposed Project Description: Interior renovations, new HVAC equipment mounted on roof.		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: B Type: 20 <i>2/18/05</i> <i>[Signature]</i>	
		Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: dmartin	Date Applied For: 12/20/2004	Zoning Approval		
<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 		Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input checked="" type="checkbox"/> MM <input type="checkbox"/> Date: <i>12/21/04</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Signature]</i>

CERTIFICATION

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

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

LETTER OF TRANSMITTAL

Project #: 03049.00
Date: 1/25/2005

Project: USM
To: Mr. Mike Nugent
Inspectional Services Manager
City of Portland
Portland, ME 04104
Attention:
Regarding: Phase 3A Safety upgrades of Labs

THESE ARE TRANSMITTED AS CHECKED BELOW:

- Attached
- Under separate cover via US Mail
- Shop Drawings
- Prints/Plans
- Specifications
- Samples
- Copy of letter
- Change Order
- Diskettes
- Other:

COPIES	DATE	NO.	DESCRIPTION
1	1/24/05		Letter from structural engineer on structural loads and special inspections
1	1/24/05		Stamped & signed Accessibility Certificate
1	1/24/04		Stamped & signed Certificate of Design
1	1/24/05		Completed structural loads form

THESE ARE TRANSMITTED AS CHECKED BELOW:

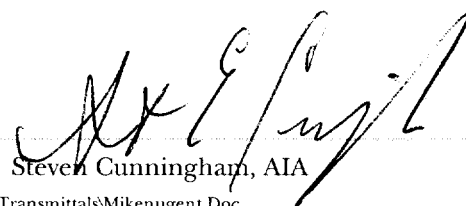
- For approval
- Approved as submitted
- Resubmit
- copies for approval
- For your use
- Approved as noted
- Submit
- copies for distribution
- As requested
- Returned for corrections
- Return
- corrected prints
- For review and comment
- Other:
- FOR BIDS DUE ON:
- PRINTS RETURNED AFTER LOAN TO US

REMARKS

Mike,
Attachments as discussed. Please let me know if you have any questions. Thanks you.
Steve

COPIES TO: (MF)

SIGNED:



Steven Cunningham, AIA

If enclosures are not as noted, kindly notify us at once.

SECsec\p:\2003\03049\11_18-CA\14-Correspondence\14.2_Transmittal-Faxes\Transmittals\Mikenugent.Doc

SMMA SYMMES MAINI & MCKEE ASSOCIATES

Jan. 24, 2005

Mr. Mike Nugent
Inspectional Services Manager
City of Portland
Portland, Maine 04104

Re: USM Science Building Research Wing Expansion Phase 3A

SMMA No. 03049.00

Dear Mr. Nugent:

This letter addresses the Phase 3A portion of this project with revision drawings issued by SMMA on June 30th 2004, noted as Revision no. 2, proposed C.O. #1. These drawings were amended versions of the original 2-20-04 contract drawings issued for construction and permit.

The structural scope of Phase 3A included the addition of one new Air Handling unit (AHU-5), and one Exhaust Fan (EF-24). Both units rest on steel grillages above the roof of the original 1974 addition. The gravity, wind, and seismic loads imposed on the building by these mechanical units, are well within the capacity of the Building. As a matter of reference, it is important to know that the 1974 addition to the Science Building was originally designed to have an addition level constructed at some point in the future. This means that the existing roof was designed for future floor loading at 100 psf., and for a future roof above, designed for a minimum of 50psf live load.

Section 1705.0 of the BOCA code, "Special Inspections", will be part of the construction process as required in the project specifications, as a continuation of the original inspection program. USM has contracted with John Turner Inspectional Services for these required inspections. They will be reporting to all parties involved and will copy your office on all inspectional reports. The only items requiring inspection under this program are the steel grillages.

We hope that this letter is sufficient to answer your questions at this time. Please feel free to contact me should you require further detail regarding this matter.

Very truly yours,

SYMMES MAINI & MCKEE ASSOCIATES



Paul Livermore, PE
Sr. Associate
Project Structural Engineer



CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

ACCESSIBILITY CERTIFICATE

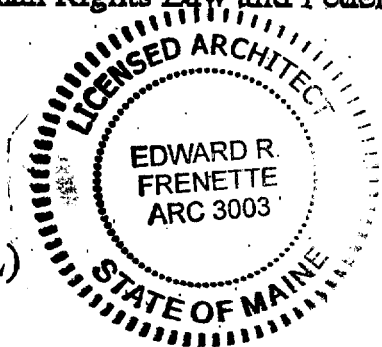
Designer: Symmes Maini & McKere Associates

Address of Project: 70 Falmouth Street, Portland, ME 04104

Nature of Project: University of Southern Maine Science
Phase 3A - Safety Upgrades of Labs

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.

(SEAL)



Signature: Edward R. Frenette

Title: Principal

Firm: Symmes Maini & McKee Associates

Address: 1000 Massachusetts Avenue

Cambridge, MA 02138

Phone: 617 - 547-5400



CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: Symmes Maini & McKee Associates

RE: Certificate of Design

DATE: 24 January 2005

These plans and / or specifications covering construction work on:

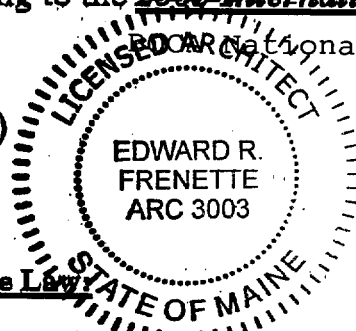
University of Southern Maine - Phase 3A - Safety Upgrades of Labs

70 Falmouth Street, Portland, ME 04104

Have been designed and drawn up by the undersigned, a Maine registered Architect /
Engineer according to the ~~2003 International Building Code and local amendments~~

~~2003 International Building Code~~ National Building Code/1999 (14th Edition)

(SEAL)



Signature: Edward R. Frenette

Title: Principal

Firm: Symmes Maini & McKee Assoc.

Address: 1000 Massachusetts Ave.

Cambridge, MA 02138

As per Maine State Law

\$50,000.00 or more in new construction, repair
expansion, addition, or modification for
Building or Structures, shall be prepared by a
registered design Professional.



CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM DESIGNER: Symmes Maini & McKee Associates

1000 Massachusetts Ave., Cambridge, MA 02138

DATE: January 24, 2005

Job Name: USM - Phase 3A Safety Upgrades of Labs

Address of Construction: 70 Falmouth Street, Portland, ME 04104

THE BOCA NATIONAL BUILDING CODE / 1999 (FOURTEENTH EDITION)

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

Building Code and Year BOCA 1999 Use Group Classification(s) B

Type of Construction 2B

Structural Systems

Roof Snow Load:

70 PSF Ground Snow Load (Pg)
49 PSF If Pg > 10 psf, Flat Roof snow load, Pf
.70 If Pg > 10 psf, snow exposure factor, Ce
1.0 If Pg > 10 psf, roof thermal factor
1.0 If Pg > 10 psf, snow load importance factor, I
N/A Sloped Roof Snowload, Ps

Earthquake Loads

.10 Peak velocity-related acceleration, Av
.10 Peak acceleration, Aa
1 Seismic hazard exposure group
B Seismic performance category
1.0 Soil profile type

See note Basic structural system / seismic-resisting system

*Note: Reinforced
concrete
shearwall

5.5 Response modification factor, R, and deflection
5.0 amplification factor, Cd,

 The documents must account for Drift snow load, unbalanced snow load and Sliding snow loads as required.

Drift Incorporated.

Wind Loads

90 MPH Basic Wind Speed

+/- .25 Internal Pressure Coefficient

B Wind Exposure Category 25 psf @ 40' Wind Design Pressure 1.0 Wind Importance Factor



Commercial Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>96 Falmouth Street</u>		
Total Square Footage of Proposed Structure <u>Interior Renovation</u>	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Owner: <u>University of Maine</u>	Telephone: <u>207-780-4751</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Contractor: Pizzagalli Construction 100 Foden Road Suite 300 South Portland ME 04106</u>	Cost Of Work: \$ <u>644,272</u> Fee: \$ <u>5,826.00</u>
Current Specific use: <u>Classroom</u>		
Proposed Specific use: <u>Classroom</u>		
Project description: <u>Interior renovations, new HVAC equipment mounted on roof.</u>		
Contractor's name, address & telephone: <u>Pizzagalli Construction Company 100 Foden Road Suite 300 So. Portland 04106</u>		
Who should we contact when the permit is ready: <u>Brian Holmes</u>		
Mailing address: <u>Same as above</u>		
Phone: <u>207-874-2323</u>		

Please submit all of the information outlined in the Residential Application Checklist. Failure to do so will result in the automatic denial of your permit.

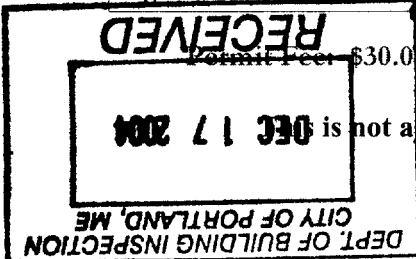
At the discretion of the Planning and Development Department, additional information may be required prior to permit approval. For further information stop by the Building Inspections office, room 315 City Hall or call 874-8703.

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 of applicant: <u>Brian Holmes</u>	Date: <u>12/16/04</u>
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Permit Fee: \$30.00 for the first \$1000.00 Construction Cost, \$9.00 per additional \$1000.00 cost

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



City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 04-1849	Date Applied For: 12/20/2004	CBL: 114A A001001
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Location of Construction: 96 Falmouth St	Owner Name: University Of Maine	Owner Address: 107 Maine Ave	Phone:
Business Name:	Contractor Name: Pizzagalli	Contractor Address: 100 Foden Road West, Suite300 So. P	Phone (207) 874-2323
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: commercial interior renovations, new HVAC equipment mounted on roof.	Proposed Project Description: Interior renovations, new HVAC equipment mounted on roof.
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Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 12/21/2004
Note: **Ok to Issue:**

Dept: Building **Status:** Pending **Reviewer:** Mike Nugent **Approval Date:** 02/04/2005
Note: **Ok to Issue:**

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Lt. MacDougal **Approval Date:** 12/21/2004
Note: **Ok to Issue:**

- 1) the lab shall be in compliance with NFPA 45 standards
- 2) the fire alarm system shall be maintained to NFPA 72 standards
- 3) the sprinkler system shall be maintained to NFPA 13 standards
- 4) Application requires State Fire Marshal approval.

Comments:

1/7/2005-mjn: need Statement of S/I, Verification of the ability of the building to carry the new loads and certification froms, Faxed all to Design Professional.