

Form# P04

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

Please Read Application And Notes, If Any, Attached

## BUILDING DEPARTMENT PERMIT

Permit Number: 050863

**PERMIT ISSUED**

**AUG - 1 2005**

**CITY OF PORTLAND**

This is to certify that CITY OF PORTLAND / Land Use & Local Development  
 has permission to Structural Upgrades to 3rd floor  
 AT 174 ALLEN AVE Call 343 C013001

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 when permission procured before this building or part thereof is started or closed-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. Capt Greg Cass 7-28-05  
 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: 05-086	Iss	PERMIT ISSUED	Exp Date
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Location of Construction: 174 ALLEN AVE	Owner Name: CITY OF PORTLAND	Owner Address: 389 CONGRESS ST	Phone: AUG - 1 2005
Business Name:	Contractor Name: Langford & Low, Inc.	Contractor Address: PO Box 662 Portland	Phone: 207 787 514
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone:

Past Use: Public School/ PATHS	Proposed Use: PATHS/ Structural Upgrades to 3rd	Permit Fee:	Cost of Work:	CEO District:
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Structural Upgrades to 3rd flr	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>with conditions</i>	INSPECTION: Use Group: <i>B</i> Type: <i>2B</i> <i>7/28/05</i>
	Signature: <i>Carol Case</i>	Signature: <i>[Signature]</i>

Action:  Approved  Approved w/Conditions  Denied  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: Idobson	Date Applied For: 06/27/2005	<b>Zoning Approval</b>
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<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>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..</li> </ol>	<b>Special Zone or Reviews</b> <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 type="checkbox"/> MM <input type="checkbox"/> Date: _____	<b>Zoning Appeal</b> <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: _____	<b>Historic Preservation</b> <input 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: _____
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**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

JUN 27 2005

# All Purpose Building Permit Application

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: 196 ALLEN AVE

Total Square Footage of Proposed Structure

Square Footage of Lot

Tax Assessor's Chart, Block & Lot			Owner:	Telephone:
Chart#	Block#	Lot#	PORTLAND PUBLIC SCHOOLS	
1343	C	C13		
Lessee/Buyer's Name (If Applicable)			Applicant name, address & telephone:	Cost Of Work:
			DAVID REDLON LANGFORD & LOW INC. 5141 248 WARREN AVE. PORTLAND ME 04104	\$ 94000. <sup>00</sup> Fee: \$ 876.

Current use: PUBLIC SCHOOL / 797-5141

If the location is currently vacant, what was prior use: \_\_\_\_\_

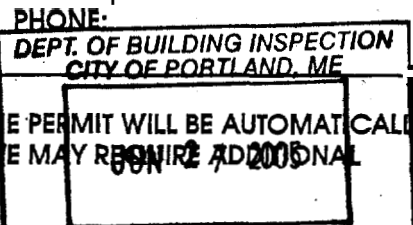
Approximately how long has it been vacant: \_\_\_\_\_

Proposed use: PUBLIC SCHOOL & Structural Upgrades to 3rd floor  
Project description:

Contractor's name, address & telephone: LANGFORD & LOW INC.  
248 WARREN AVE. PORTLAND, ME. 04104

Who should we contact when the permit is ready: DAVID S. REDLON  
Walling address: CELL PHONE 632-6199

We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up.



IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

I hereby certify that I am the Owner of record of the named property, or that the owner of record has authorized me 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: David S. Redlon Date: 6/27/05

This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall

Handwritten initials and date: JK  
27 2005

JUN 27 2005

RECEIVED



allied engineering, inc.

Structural

Mechanical

Electrical

Technology

# Statement of Special Inspections

Project: *PATHS -Third Floor Structural Reinforcement for File storage*

Location: *Allen Avenue, Portland Maine*

Owner: *Portland School Department*

Design Professional in Responsible Charge: *William P. Faucher, P.E. (ME # 7133)*

This **Statement of Special Inspections** is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This **Statement of Special Inspections** encompass the following disciplines:

- Structural
- Mechanical/Electrical/Plumbing
- Architectural
- Other: \_\_\_\_\_

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A **Final Report of Special Inspections** documenting completion of all required Special inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency. *2 to 3 weeks*

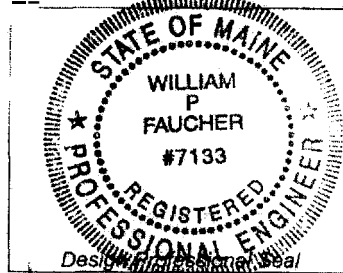
or  per attached schedule.

Prepared by:

William P. Faucher, P.E.  
(type or print name)

*[Signature]*  
Signature

June 22, 2005  
Date



Owner's Authorization:

Building Official's Acceptance:

*[Signature]* 6/23/05  
Signature Date

\_\_\_\_\_  
Signature Date

CASE Form 101 • Statement of Special Inspections • ©CASE 2004

One Westbrook Common, Westbrook, ME 04092  
207-854-8126 Voice 207-854-0603 Fax

Web: [www.allied-eng.com](http://www.allied-eng.com)  
E-Mail: [info9aEed-eng.com](mailto:info9aEed-eng.com)

*Randy Stewart*  
Director, Business Services  
Portland Public Schools

## Schedule of Inspection and Testing Agencies

This Statement of Special inspections / Quality Assurance Plan includes the following building systems:

- |  |  |
|--|--|
| <input type="checkbox"/> Soils and Foundations       | <input type="checkbox"/> Spray Fire Resistant Material         |
| <input type="checkbox"/> Cast-in-Place Concrete      | <input type="checkbox"/> Wood Construction                     |
| <input type="checkbox"/> Precast Concrete            | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry                     | <input type="checkbox"/> Mechanical & Electrical Systems       |
| <input checked="" type="checkbox"/> Structural Steel | <input type="checkbox"/> Architectural Systems                 |
| <input type="checkbox"/> Cold-Formed Steel Framing   | <input type="checkbox"/> Special Cases                         |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator	<i>Allied Engineering, Inc</i>	<i>One Westbrook Common Westbrook, ME 04092 (207)-854-8126 x107</i>
2. Testing Agency (Connections)	Elite Inspection Services	<i>220 Industrial Way Unit #1 Portland, ME 04103 (207) 797-2284</i>
3. Inspector		
4. Inspector		
5. Testing Agency		
6. Other		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

## Quality Assurance Plan

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### Quality Assurance for Seismic Resistance

Seismic Design Category *B*  
Quality Assurance Plan Required (Y/N) *N/A*

Description of seismic force resisting system and designated seismic systems:

### Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) *90 MPH*  
Wind Exposure Category *C*  
Quality Assurance Plan Required (Y/N) *N/A*

Description of wind force resisting system and designated wind resisting components:

### Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

## **Qualifications of Inspectors and Testing Technicians**

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The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

### **Key for Minimum Qualifications of Inspection Agents:**

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

<b>P/USE</b>	Structural Engineer – a licensed SE or PE specializing in the design of building structures
<b>PE/GE</b>	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
<b>EIT</b>	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

### **American Concrete Institute (ACI) Certification**

<b>ACI-CFTT</b>	Concrete Field Testing Technician – Grade 1
<b>ACI-CCI</b>	Concrete Construction Inspector
<b>ACI-LTT</b>	Laboratory Testing Technician – Grade 1&2
<b>ACI-STT</b>	Strength Testing Technician

### **American Welding Society (AWS) Certification**

<b>AWS-CWI</b>	Certified Welding Inspector
<b>AWS/AISC-SSI</b>	Certified Structural Steel Inspector

### **American Society of Non-Destructive Testing (ASNT) Certification**

<b>ASNT</b>	Non-Destructive Testing Technician – Level II or III.
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### **International Code Council (ICC) Certification**

<b>ICC-SMSI</b>	Structural Masonry Special Inspector
<b>ICC-SWSI</b>	Structural Steel and Welding Special Inspector
<b>ICC-SFSI</b>	Spray-Applied Fireproofing Special Inspector
<b>ICC-PCSI</b>	Prestressed Concrete Special Inspector
<b>ICC-RCSI</b>	Reinforced Concrete Special Inspector

### **National Institute for Certification in Engineering Technologies (NICET)**

<b>NICET-CT</b>	Concrete Technician – Levels I, II, III & IV
<b>NICET-ST</b>	Soils Technician - Levels I, II, III & IV
<b>NICET-GET</b>	Geotechnical Engineering Technician - Levels I, II, III & IV

### **Exterior Design Institute (EDI) Certification**

<b>EDI-EIFS</b>	EIFS Third Party Inspector
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### **Other**

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Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	(1) PE/SE	Review shop fabrication and quality control procedures.
2. r :	(1) PE/SE	Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes
3. Open Web Steel Joists	(1,2)	Inspect installation, field welding and bridging of joists
4. Bolting	(2) AWS/AISC- SSI ICC-SWSI	Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-critical connections.
5. Welding	(2) AWS-CWI ASNT	Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.  Ultrasonic testing of all full-penetration welds
6. Shear Connectors	AWS/AISC- SSI ICC-SWSI	Inspect size, number, positioning and welding of shear connectors. Inspect studs for full 360-degree flash. Ring test all shear connectors with a 3-lb hammer. Bend test all questionable studs to 15 degrees.
7. Structural Details	(1,2) PE/SE	Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.



DEPT. OF BUILDING INSPECTION  
CITY OF PORTLAND, ME  
JAN 27 2025  
RECEIVED



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

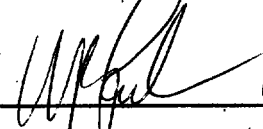
ACCESSIBILITY CERTIFICATE

Designer: AWED ENG INC (STRUCTURAL) SOURCE: DRANE ARCH. (ARCH)

Address of Project: 196 Allen Avenue, Portland, ME

Nature of Project: Reinforce 3RD FLOOR FRAMING TO SUPPORT FIVE STORAGE SPACE. MINOR REINFORCEMENTS REB.D - 2 PIECE JOISTS AND BEAM REINF.

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.

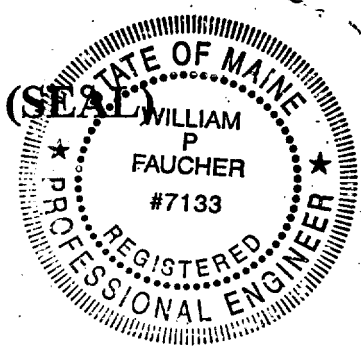
Signature:  WILLIAM FAUCHER

Title: PRINCIPAL

Firm: AWED ENGINEERING INC

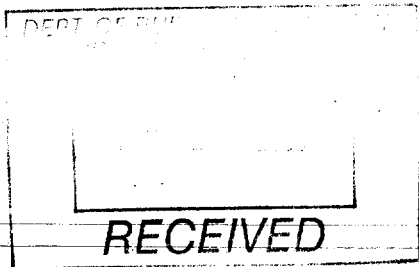
Address: ONE WESTSIDE COMMON  
Westbrook Maine 04092

Phone: 207-854-8126 x107



**NOTE: If this project is a new Multi Family Structure of 4 units or more, this project must also be designed in compliance with the Federal Fair Housing Act. On a separate submission, please explain in narrative form the method of compliance.**

X



CITY OF PORTLAND  
BUILDING CODE CERTIFICATE  
389 Congress St., Room 315  
Portland, Maine 04 101

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

FROM: William P. Faucher, P.E. - Allied Engineering, Inc

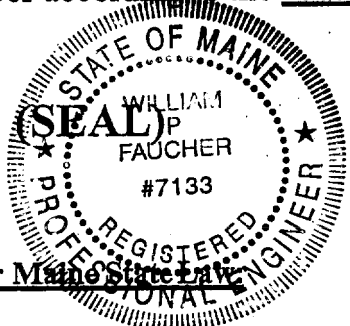
RE: Certificate of Design

DATE: 6.24.05

These plans and/ or specifications covering construction work on:

Partial 2nd Floor - Portland Arts and Technology High School (PATHS)  
Struct. Repair for File Storage Support

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



Signature: [Handwritten Signature]

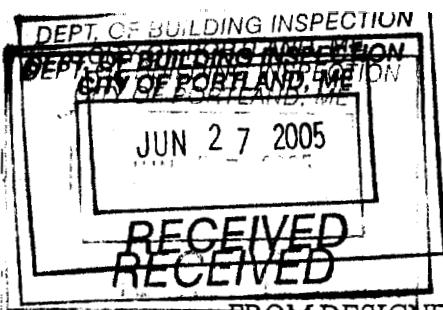
Title: Principal

Firm: Allied Eng. Inc

Address: One Westbrook Common  
Westbrook ME 04092

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.



X

FROM DESIGNER: ALLEN ENGINEERING INC

DATE: 6-24-05

Job Name: PARK - FLOOR AREA REINFORC FILE STORAGE

Address of Construction: 196 Allen Avenue, Portland ME

**2003 International Building Code**

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

Building Code and Year IBC 2003 Use Group Classification(s) E

Type of Construction \_\_\_\_\_

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC N/A

Is the Structure mixed use? NO if yes, separated or non separated (see Section 302.3) \_\_\_\_\_

Supervisory alarm system YES Geotechnical/Soils report required? (See Section 1802.2) \_\_\_\_\_

STRUCTURAL DESIGN CALCULATIONS	<u>N/A</u>	Live load reduction (1603.1.1, 1607.9, 1607.10)
<input checked="" type="checkbox"/> Submitted for all structural members (106.1, 106.1.1)	<u>N/A</u>	Roof live loads (1603.12, 1607.11)
DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)	<u>N/A</u>	Roof snow loads (7603.7.3, 1608)
Uniformly distributed floor live loads (7603.11, 1607)	<u>N/A</u>	Ground snow load, $P_g$ (1608.2)
Floor Area Use	Loads Shown	If $P_g > 10$ psf, flat-roof snow load, $P_f$ (1608.3)
<u>STORAGE</u>	<u>100 psf LL @ 10' DL</u>	If $P_g > 10$ psf, snow exposure factor, $C_e$ (Table 1608.3.1)
_____	_____	If $P_g > 10$ psf, snow load importance factor, $I_s$ (Table 1604.5)
_____	_____	Roof thermal factor, $C_t$ (Table 1608.3.2)
_____	_____	Sloped roof snowload, $P_s$ (1608.4)
_____	_____	_____

Wind loads (1603.1.4, 1609)	<u>N/A</u>	Seismic design category (1616.3)
<u>N/A</u> Design option utilized (1609.1.1, 1609.5)	<u>N/A</u>	Basic seismic-force-resisting system (Table 1617.6.2)
<u>N/A</u> Basic wind speed (1609.3)	<u>N/A</u>	Response modification coefficient, $R$ , and deflection amplification factor, $C_d$ (Table 1617.6.2)
<u>N/A</u> Building category and wind importance factor $I_w$ (Table 1604.5, 1609.5)	<u>N/A</u>	Analysis procedure (1616.6, 1617.5)
<u>N/A</u> Wind exposure category (1609.4)	<u>N/A</u>	Design base shear (1617.4, 1617.5.1)
<u>N/A</u> Internal pressure coefficient (ASCE 7)	<u>N/A</u>	_____
<u>N/A</u> Component and cladding pressures (1609.1.1, 1609.6.2.2)	<u>N/A</u>	Flood loads (1603.1.6, 1612)
<u>N/A</u> Main force wind pressures (7603.1.1, 1609.6.2.1)	<u>N/A</u>	Flood hazard area (1612.3)
_____	<u>N/A</u>	Elevation of structure

Earthquake design data (1603.1.5, 1614-1623)	<u>N/A</u>	Other loads
<u>N/A</u> Design option utilized (1614.1)	<u>N/A</u>	Concentrated loads (1607.4)
<u>N/A</u> Seismic use group ("Category") (Table 1604.5, 1616.2)	<u>N/A</u>	Partition loads (1607.5)
<u>N/A</u> Spectral response coefficients, $S_Ds$ & $S_D1$ (1615.1)	<u>N/A</u>	Impact loads (1607.8)
<u>N/A</u> Site class (1615.1.5)	<u>N/A</u>	Misc. loads (Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2409)

No significant change anticipated to Building load systems -

**City of Portland, Maine - Building or Use Permit**

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

<b>Permit No:</b> 05-0863	<b>Date Applied For:</b> 0612712005	<b>CBL:</b> 343 C013001
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<b>Location of Construction:</b> 174 ALLEN AVE	<b>Owner Name:</b> CITY OF PORTLAND	<b>Owner Address:</b> 389 CONGRESS ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Langford & Low, Inc.	<b>Contractor Address:</b> PO Box 662 Portland	<b>Phone</b> (207) 797-5141
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Alterations - Commercial	
<b>Proposed Use:</b> PATHS/ Structural Upgrades to 3rd flr		<b>Proposed Project Description:</b> Structural Upgrades to 3rd flr	

**Comments:**

7/26/2005-mjn: looking for egress definition, HVAC plans and past use of the space. Messages have been left for Doug Sherwood, Steven Drane and I spoke with the C.G.' rep, David Redlon.