

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 05-0785	Issue Date: PERMIT ISSUED JUL - 5 2005	027 B007001
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Location of Construction: 415 CONGRESS ST	Owner Name: 415 CONGRESS STREET PROPE	Owner Address: 134 MAIN ST STE 2A
Business Name:	Contractor Name: Nason Mechanical Systems	Contractor Address: 194 Merrow Road Auburn
Lessee/Buyer's Name	Phone:	Permit Type:

Past Use: Commercial	Proposed Use: Commercial/ install a 2 Larrs rooftop unit	Permit Fee:	Cost of Work: \$0.00	CEO District: 1
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Proposed Project Description: install a 2 Larrs rooftop unit	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: U Type AC Units IBC 2003 Signature: <i>[Signature]</i>
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PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		
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Permit Taken By: Idobson	Date Applied For: 06/16/2005	Zoning Approval
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. 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 type="checkbox"/> MM <input type="checkbox"/> Date: _____	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 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

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Permit No: 05-0785	Date Applied For: 06/16/2005	CBL: 027 B007001
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Location of Construction: 4 15 CONGRESS ST	Owner Name: 415 CONGRESS STREET PROPE	Owner Address: 134 MAIN ST STE 2A	Phone:
Business Name:	Contractor Name: Nason Mechanical Systems	Contractor Address: 194 Merrow Road Auburn	Phone (207) 782-0707
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial/ install a 2 Larrs rooftop unit	Proposed Project Description: install a 2 Larrs rooftop unit
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Dept: Zoning **Status:** Approved **Reviewer:** Tammy Munson **Approval Date:** 06/29/2005
Note: **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 06/29/2005
Note: **Ok to Issue:**

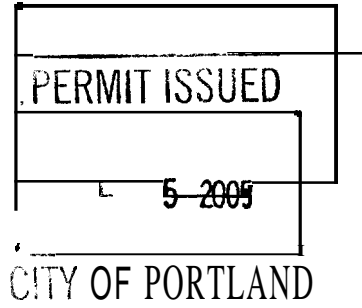
1) This permit is based on findings from the letter dated June 8, 2005 from Tim Shelley. His statements must be followed and completed by the stated dates.

Dept: Fire **Status:** Approved **Reviewer:** Cptn Greg Cass **Approval Date:** 06/17/2005
Note: **Ok to Issue:**



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 415 Congress St 27B7 Use of Building Offices Date 6-16-05
 Name and address of owner of appliance Hampers Development
134 Main St Winthrop, Me 04364
 Installer's name and address Nason Mechanical Systems
194 Merrow Rd Auburn, Me Telephone 207-782-0707

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: Loars (2)

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
 Solid Fuel # _____
 Oil # _____
 Gas # PNT 763
 Other _____

Type of Chimney:

- Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type _____ UL# _____

Type of Fuel Tank

- Oil
 Gas

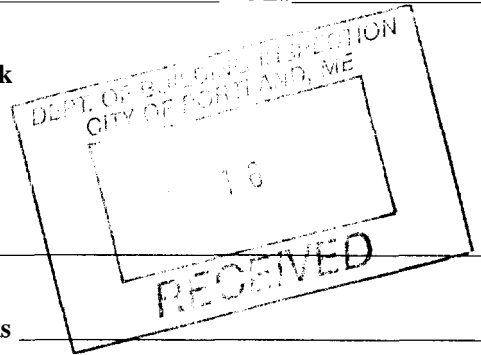
Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 36,000

Permit Fee: \$ 345.00



Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

City of Portland
City Hall Rm. 315
389 Congress St.
Portland, Maine 04101

June 8, 2005
Job No. 2005-383
Pg. 1 of 3

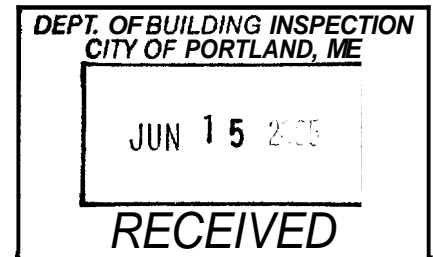
Subject: Roof Top Unit at 415 Congress St., Portland, ME.

Attention: Mr. Michael Nugent

Mr. Nugent:

I have been asked to determine if the roof structure of the building located at 415 Congress St. is structurally adequate to support the additional weight of a recently installed roof top unit in conjunction with code mandated snow loads. My analysis was limited in that I was not provided with a copy of the original structural drawings. The roof is framed with steel beams. The beams support a 4" reinforced concrete slab. The concrete slab haunches down onto the bottom flanges of the steel beams. For a preliminary analysis, I measured one steel beam that was 9" deep, had a 4.5" wide flange that was 5/16" thick.

My analysis found that in the area of this beam the roof flat snow load capacity is 46psf. The required snow for Portland is 42psf. The location of the RTU is approximately 20 ft. from the beam I measured. It is possible that the area where the RTU is located may have a higher load capacity. A search for the original structural drawings is presently underway.



If the drawings are not found, my only safe conclusion is that the roof structure is adequate to safely support the unit, but is not adequate to support the unit in combination with full snow load.

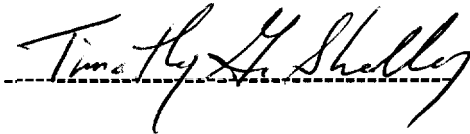
I have discussed with the owner, Harper Development, that an option would be to install a steel platform over the existing roof to support the unit, and post down directly over the existing columns. This would be a structurally acceptable means of keeping the unit on the roof.

The owner would like to get the unit on line now as it provides air-conditioning. If drawings are not found or other discoveries made to show that the roof has a higher load capacity, the owner would either remove the unit, or have the steel platform installed and the unit moved on to the platform in the fall of this year.

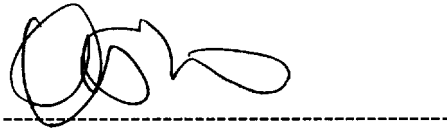
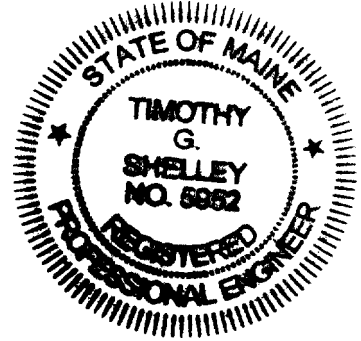
I have been hired to design the support steel by the owner, and have also been hired to inspect that the platform is installed and the unit moved on to the platform prior to Nov. 1 of this year. The owner has agreed that if the unit is not on the new steel platform by Nov. 1 that he will remove the unit from the roof immediately. The owner has also hired me to inform the City of Portland on the progress of the project, including the search for the drawings, and to notify the City if the unit has not been moved onto the new steel platform by November 1, 2005.

Thank you for your cooperation in this matter. The undersigned here-do agree to strictly adhere to the requirements set forth in this letter:

Sincerely:



Timothy G. Shelley, P.E. of Shelley Engineering, Inc.



Kevin Mattson of Harper Development