

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT

This is to certify that **Fox Street Realty**

Located At **109 FOX ST**

Job ID: **2012-02-3314-HVAC**

CBL: **023-A-008-001**

has permission to **Install a Trane Furnace**

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

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

\_\_\_\_\_  
**Fire Prevention Officer**

\_\_\_\_\_  
**Code Enforcement Officer / Plan Reviewer**

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
PENALTY FOR REMOVING THIS CARD**

## BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: [buildinginspections@portlandmaine.gov](mailto:buildinginspections@portlandmaine.gov)

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



# PORTLAND MAINE

*Strengthening a Remarkable City, Building a Community for Life • [www.portlandmaine.gov](http://www.portlandmaine.gov)*

Director of Planning and Urban Development  
Penny St. Louis

Job ID: 2012-02-3314-HVAC

Located At: 109 FOX ST

CBL: 023- A-008-001

## **Conditions of Approval:**

### **Fire**

Installation shall comply with City Code Chapter 10.

Fuel-fired boilers shall be protected in accordance with NFPA 101, *Life Safety Code*.

Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*;

NFPA 54, *National Fuel Gas Code*;

NFPA 90A, *Standard for the Installation of Air-Conditioning and Ventilating Systems*;

NFPA 91, *Standard for Exhaust Systems for Air Conveying Vapors, Gases, Mists, and Noncombustible Particulate Solids*;

NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.

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

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

Job No: 2012-02-3314-HVAC	Date Applied: 2/17/2012	CBL: 023- A-008-001	
Location of Construction: 109 FOX ST (115)	Owner Name: FOX STREET REALTY LLC	Owner Address: 299 FOREST AVE PORTLAND, ME 04101	Phone:
Business Name:	Contractor Name: HVAC Services Inc.	Contractor Address: 73 Bradley DR WESTBROOK MAINE 04092	Phone: (207) 854-4822
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC - HVAC	Zone: I-Lb
Past Use: Green Clean Laundry	Proposed Use: Same – Green Clean Laundry install a ceiling hung trane furnace	Cost of Work: 4000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type: HVAC
Proposed Project Description: Install Trane Furnace		Pedestrian Activities District (P.A.D.)	
Signature: <i>Capt Home 2/24/12</i>		Signature: <i>[Handwritten Signature]</i>	

Permit Taken By:  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 informatin may invalidate a building permit and stop all work.	<b>Zoning Approval</b>		
	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan  <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: OK 2/24/12 <i>ARM</i>	<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 checked="" type="checkbox"/> Not in Dist 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>ARM</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

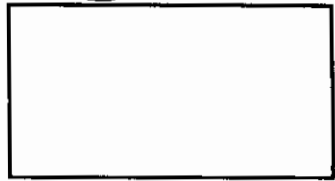


2012-02-334

FILL IN AND SIGN WITH INK

Entered 2/17 (B)

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



023 A008

Tapes ok

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 109 115 Fox Street - Grenichan Use of Building BRW Date \_\_\_\_\_

Name and address of owner of appliance Doug Cardente

322 FOX ST 3rd Fl PORTLAND ME 04101

Installer's name and address HVAC SERVICES

13 Bradley Drive WESTBROOK ME 04093 Telephone 854 4822

### Location of appliance:

- Basement
- Floor hang from ceiling
- Attic
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: TRANE FURNACE

U.L. Approved  Yes  No

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

IF NO Explain: φ

### The Type of License of Installer:

- Master Plumber # \_\_\_\_\_
- Solid Fuel # \_\_\_\_\_
- Oil # \_\_\_\_\_
- Gas # PNT 1058
- Other \_\_\_\_\_

### Type of Chimney:

- Masonry Lined
- Factory built \_\_\_\_\_

- Metal
- Factory Built U.L. Listing # \_\_\_\_\_

Direct Vent  
Type PUC UL# \_\_\_\_\_

### Type of Fuel Tank

- Oil
- Gas

Size of Tank N/A NATURAL

Number of Tanks N/A

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 3,800

Permit Fee: \$ 60-

RECEIVED  
FEB 17 2012

### Approved

Fire: \_\_\_\_\_

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

### Approved with Conditions

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [Signature]

**L & L STRUCTURAL**  
ENGINEERING SERVICES, INC.

Six Q Street  
South Portland, ME 04106  
Phone: (207) 767-4830  
Fax: (207) 799-5432

February 8, 2012

Brent Grass  
HVAC Services, Inc.  
73 Bradley Drive  
Westbrook, Maine 04092

Subject: Analysis of the Roof Structure to Support HVAC Unit for the building  
located at 115 Fox Street, Portland, Maine

Dear Brent,

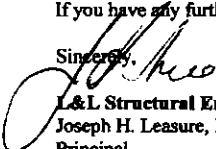
As per your request we have reviewed and analyzed the existing flat roof structure of the single story building located at 115 Fox Street, Portland, Maine. The purpose of our analysis and review was to determine if the existing roof structure is capable of safely supporting a proposed HVAC unit to be installed beneath the existing roof. The proposed HVAC unit, according to information provided by your office, is a Trane Model TUX1D120A9601A Upflow/Horizontal Type Furnace Unit with an operational weight of 200 pounds. The unit footprint is approximately 3'-5 3/4" x 2'-2 1/2" x 2'-6 1/4" tall. The proposed unit is to be supported on a Unistrut Frame hung with four 1/2" diameter steel rods with clamps fastened to the existing W10 steel beams.

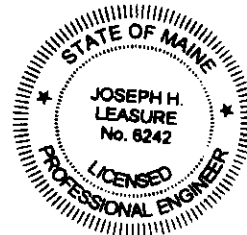
The existing roof structure consists of 2" thick gypsum/cementitious roof deck spanning approximately 2'-9" between steel bulb tees which are supported on top of the W10 structural steel beams spaced at approximately 4'-3" on center. The W10 beams are supported on structural steel girders. The mechanical unit is to be hung from the end of two existing W10 steel beams with the rods approximately 1'-0" and 4'-6" from the end of the beams. Our analysis and review of the roof structure was performed utilizing the 2009 International Building Code (IBC) adopted by the City of Portland and considering the Building Code Requirements for the material utilized in the existing roof structure.

The existing roof structure is capable of safely supporting the weight of the proposed HVAC unit to be installed beneath the existing roof as described above along with the code stipulated roof (snow) live load. However, the unit also requires diagonal bracing to resist potential lateral seismic loads. The unit shall be braced utilizing two L 1 1/4" x 1 1/2" x 1/8" diagonal steel angles (or approved equal member) installed at an approximate 45 degree angle fastened to the Unistrut frame beneath the HVAC unit and fastened to the existing W10 steel beams at the top. The steel angles shall be installed in two opposite directions (north-south & east-west) and fastened at the top and bottom with clamps having a minimum capacity of 50#.

If you have any further questions or require any additional technical assistance, please do not hesitate to call.

Sincerely,

  
L&L Structural Engineering Services, Inc.  
Joseph H. Leasure, P.E.  
Principal  
cc: File







# CITY OF PORTLAND, MAINE

Department of Building Inspections

## Original Receipt

2/17

2012

Received from HVAC SERV.

Location of Work 115 FOX ST

Cost of Construction \$ 3800 Building Fee: \_\_\_\_\_

Permit Fee \$ \_\_\_\_\_ Site Fee: \_\_\_\_\_

Certificate of Occupancy Fee: \_\_\_\_\_  
Total: 60.00

Building (IL) \_\_\_\_\_ Plumbing (IS) \_\_\_\_\_ Electrical (I2) \_\_\_\_\_ Site Plan (U2) \_\_\_\_\_

Other \_\_\_\_\_ 4,000

CBL: 023 AW8 3000 (B)

Check #: 12251 Total Collected \$ 60.00

**No work is to be started until permit issued.  
Please keep original receipt for your records.**

Taken by: (BS)

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Permit Copy