

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

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

Permit No: 06-1137	Issue Date: 03/11/06	CBL: E003001
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Location of Construction: 10 CONGRESS SQ PLZ	Owner Name: PLAZA ASSOCIATES AT CONG	Owner Address: 491 HUMPHREY ST	Phone: 2076321124
Business Name:	Contractor Name: Granite Construction	Contractor Address: Portland	Phone: 2076321124
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Commercial	Proposed Use: Commercial install a rooftop Trane unit , gas w/ direct venting	Permit Fee: \$140.00	Cost of Work: \$12,000.00	CEO District: 1
Proposed Project Description: Install a rooftop Trane unit, gas w/ direct venting		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: HVAC Type:	
		Signature:	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: 08/03/2006	<b>Zoning Approval</b>		
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..	<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 of 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 _____	

### CERTIFICATION

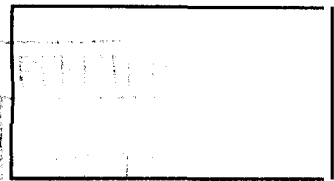
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 10 CONGRESS SQUARE PLAZA Use of Building RESIDENTIAL Date 7/28/06  
 Name and address of owner of appliance PLAZA ASSOC. AT CONGRESS SQ LP. PACS, LLC ITS GEN. PARTNER  
491 HUMPHREY ST. SWAMPSCOTT, MA 01907  
 Installer's name and address GRANITE CORP BOX 370 OAKLAND, ME 04963  
 Telephone (207) 465-4229

### Location of appliance:

- Basement
- Floor
- Attic
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: TRANE MODEL # GRAA70PDI

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 1343
- Other \_\_\_\_\_

### Type of Chimney:

- Masonry Lined  
Factory built \_\_\_\_\_
- Metal  
Factory Built U.L. Listing # \_\_\_\_\_
- Direct Vent UNIT VENTS DIRECTLY TO ATMOSPHERE  
Type \_\_\_\_\_ UL# \_\_\_\_\_

### Type of Fuel Tank — NG PIPE LINE

- Oil
- Gas

Size of Tank \_\_\_\_\_

Number of Tanks \_\_\_\_\_

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 12,000

Permit Fee: \$ 140

### Approved

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

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

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

Signature of Installer Albert J. Ferron

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

### Approved with Conditions

See attached list of requirements

DEPT. OF BUILDINGS INSPECTION  
CITY OF PORTLAND, ME

Inspector's Signature \_\_\_\_\_ Date Approved AUG 3 2006

**RECEIVED**

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

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<b>Permit No:</b> 06-1137	<b>Date Applied For:</b> 08/03/2006	<b>CBL:</b> 037 E003001
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<b>Location of Construction:</b> 10 CONGRESS SQ PLZ	<b>Owner Name:</b> PLAZA ASSOCIATES AT CONGR	<b>Owner Address:</b> 49 1 HUMPHREY ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Granite Construction	<b>Contractor Address:</b> Portland	<b>Phone</b> (207) 632-1124
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> Commercial install a rooftop Trane unit , gas w/ direct venting	<b>Proposed Project Description:</b> Install a rooftop Trane unit, gas w/ direct venting
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**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Mike Nugent      **Approval Date:** 08/03/2006

**Note:**      **Ok to Issue:**

- 1) The installation must comply with the State of Maine Gas Regulations/NFPA regs
- 2) See engineers letter dated 8/2/06.



# Submittal

Trane  
A Division of American Standard Inc

**Prepared For:**  
Granite Corp  
PO Box 370, 85 High Street  
Oakland, ME 04963 U.S.A.

**Date:** November 28, 2005

**Job Name:**  
Congress Square Plaza

**Customer P.O. Number:**

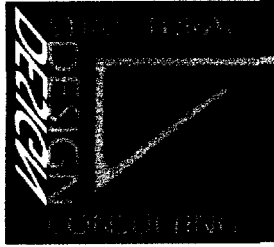
**Trane Job Number:**

Trane is pleased to provide the enclosed submittal for your review and approval,

Qty	Product	Tag(s)
1	Trane Indirect Fired Gas Heating Outdoor Unit Model GRAA70PDLF0 <ul style="list-style-type: none"> <li>• Rooftop gas heating unit</li> <li>• Standard temperature rise furnace 20 - 60 F per furnace - left hand</li> <li>• Rooftop arrangement J - High cfm blower with downflow supply plenum</li> <li>• 700 MBH input</li> <li>• Power venting</li> <li>a 20816013 main power supply</li> <li>o Electronic modulating gas control with external 4 - 20 mA input, all furnaces</li> <li>e Natural gas</li> <li>o 409 stainless steel heat exchanger package (all furnace sections)</li> <li>• 5 HP supply fan motor with contactor</li> <li>• Single speed open drip proof motor</li> <li>o 100% outside air opening with outside air hood</li> <li>a 2-position outside air damper/spring return</li> <li>• Moisture eliminators</li> <li>• Low leak dampers</li> <li>• 2" (51 mm) pleated media filter</li> <li>• Insulated roof curb (Flid)</li> <li>• 5 year parts warranty - heat exchanger</li> </ul>	HV-1

*The attached information describes the equipment we propose to furnish for this project, and is submitted for your approval.*

Jeff Charette  
Trane  
30 Thomas Drive  
Westbrook, ME 04092-3824  
Phone: (207)239-3401  
Fax: (207)828-1511



22 Oakmont Drive  
Old Orchard Beach, ME  
04064-4121

207 934.8038  
Fax 207 934.8039

August 2, 2006

John Shields  
Archetype, P.A.  
48 Union Wharf  
Portland, ME 04101

Subject: Congress Square Plaza

Dear John.

I have performed a structural investigation and analysis of a portion of the roof framing of Building B at the subject project. The purpose of the analysis was to determine whether the roof structure has sufficient capacity to support a proposed Trane rooftop gas heating unit (Model GRAA70PDLF0). The total unit weight is 1971 pounds and it has plan dimensions of 13'-9½" x 4'-5". The unit will replace one weighing approximately 800 pounds with plan dimensions of 6'-6" x 4'-6".

The existing roof framing consists of 10" deep steel beams with 4" wide x ¼" thick flanges spaced at 7'-0" supporting a 5" thick concrete slab. The slab is reinforced with 6"x3" diamond mesh located 2" from its bottom surface. The unit will be located with one long edge along a main girder and over a built-up steel column. The existing concrete slab has a 3'-0" x 3'-6" hole for ducting to the unit. The new unit will utilize the same hole. The existing framing also supports a 1" thick hung plaster ceiling and a lower suspended steel channel ceiling.

I have determined by calculations that the existing roof framing is capable of supporting the weight of the new unit, the existing dead loads and the snow load required by IBC/2003.

Please call me if there is any question or if any of the above information is found to be incorrect.

Sincerely,

STRUCTURAL DESIGN CONSULTATION, INC.

David J. Tetreault, P.E.

