

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 06-1387	Issue Date:	CBL: 048 D013001
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Location of Construction: 83 SHERMAN ST	Owner Name: CITY OF PORTLAND <i>Randon ORbit</i>	Owner Address: 389 CONGRESS ST	Phone:
Business Name:	Contractor Name: Jim Godbout Plbg & Htg	Contractor Address: 183 Granite Street Biddeford	Phone: 2072831200
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: <i>R-6</i>

Past Use: Residential / condo	Proposed Use: Residential / condo Install 8 Rinnai heating systems	Permit Fee: \$270.00	Cost of Work: \$25,000.00	CEO District: 2
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Proposed Project Description: Install 8 Rinnai heating systems	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>66</i>	INSPECTION: Use Group: <i>R3</i> Type: <i>HVAC</i> <i>IMC 2003/Gas Rules</i>
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Legal use: 8 condos each with Artist Home occup

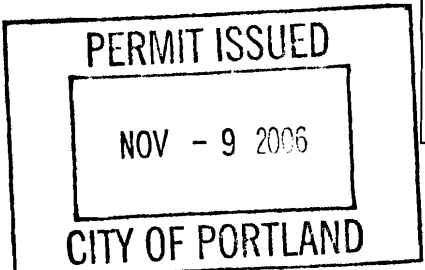
Signature: *Greg Cass* Signature: *JMB 11/8/06*

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: dmartin	Date Applied For: 09/20/2006	Zoning Approval
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- 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	Zoning Appeal	Historic Preservation
<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"/>	<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	<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
<i>use to rem in the same</i> Date: <i>9/20/06</i>	Date: _____	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



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

NOV - 9 2006

048

D CITY OF PORTLAND

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 #83 Sherman - Miller St. Use of Building Condo Date 9-19-06
 Name and address of owner of appliance Random Orbit Peter Bass, 70 Merrill St.
Portland Maine 04101
 Installer's name and address Jim Godbout P.H. Inc. P.O. Box 365 48 Elm St.
Biddeford, Me 04005 Telephone 207 283 1200

Location of appliance: See Attached Print

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Rinnai

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 # 05893
- Solid Fuel # _____
- Oil # 9547
- Gas # PNT 1340
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

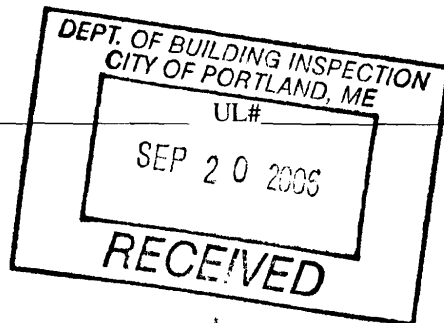
- Metal
- Factory Built U.L. Listing # _____

Direct Vent

Type _____

Type of Fuel Tank

- Oil
- Gas



Size of Tank Natural

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 25,000

Permit Fee: \$ 2700

Approved

Approved with Conditions

Fire: _____

See attached letter or requirement

Ele.: _____

Bldg.: _____

Inspector's Signature

Date Approved

Signature of Installer [Signature]

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

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Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Residential / condo Install 8 Rinnai heating systems	Proposed Project Description: Install 8 Rinnai heating systems
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Dept: Zoning	Status: Approved	Reviewer: Marge Schmuckal	Approval Date: 09/20/2006	Note:	Ok to Issue: <input checked="" type="checkbox"/>
Dept: Building	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 11/08/2006	Note:	Ok to Issue: <input checked="" type="checkbox"/>
1) Venting terminations must meet the installation specifications for distances to openings and intakes					
Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 09/27/2006	Note:	Ok to Issue: <input type="checkbox"/>
1) Need information on venting of basement units					
2) All installations shall comply with NFPA 54					

Comments:
9/21/2006-ldobson: Unvented gas heaters not allowed state ord. Must submit new plans for venting
9/28/2006-jmb: waiting for plan showing venting layout/termination

CORRECT - SACLED HEATER

- ~~17x11x9~~ - $17 \times 11 \times 9' H = 1683$ CUBIC FEET

$$\frac{1683 \times 1000}{50} = 33,660 \text{ BTU HEATER}$$

RINNAI RCE329A - 10,000 BTU INSTALLED

- ~~17x11x9~~ - SAME AS STUDIO 1

- ~~17x12x9~~ - $17 \times 12 \times 9 = 1836$ CUBIC FEET

$$\frac{1836 \times 1000}{50} = 36,720 \text{ BTU HEATER}$$

RINNAI RCE329A - 10,000 BTU INSTALLED

- ~~18x13x9~~ - $18 \times 13 \times 9\frac{1}{2} H = 2223$ CUBIC FEET

$$\frac{2223 \times 1000}{50} = 44,460 \text{ BTU HD1}$$

RINNAI RCE329 10,000 BTU INSTALLED

- ~~20x14x9~~ - $20 \times 14 \times 9\frac{1}{2} H = 2660$ CUBIC FEET

$$\frac{2660 \times 1000}{50} = 53,200 \text{ BTU HM}$$

RINNAI RCE329 10,000 BTU - INSTALLED

~~_____~~

$$18 \times 12 \times 9 = 1944 \text{ CUBIC FEET}$$

$$\frac{1944 \times 1000}{50} = 38,880 \text{ BTU HR}$$

~~REQUIRE REE309~~ - 10,000 BTU HR

~~_____~~

$$18 \times 12 \times \underline{30} \text{ H} = 6480 \text{ CUBIC FEET}$$

$$\frac{6480 \times 1000}{50} = 129,600 \text{ BTU HR}$$

~~REQUIRE REE606A~~ 39,000 BTU INSTALLED

~~_____~~

$$20 \times 30 \times \underline{30} \text{ H} = 18,000 \text{ CUBIC FEET}$$

$$\frac{18,000 \times 1000}{50} = 360,000 \text{ BTU HR}$$

~~REQUIRE REE606A~~ 30,000 BTU INSTALLED

INSTALLATION INSTRUCTIONS

NOTICE BEFORE INSTALLATION

The heater must be installed by a qualified service person according to this installation instructions. When used without adequate combustion and ventilation heater air may give off carbon monoxide.

Check your local building codes for the proper method of installation. In the absence of local codes, this heater installation must conform with American National Standard (National Fuel Gas Code) ANSI Z223.1/NFPA54.

Available from the American National Standards Institute, Inc.,
1430 Broadway, New York, NY 10018, or from the National Fire
Protection Association, Batterymarch Park, Quincy, MA 02269.

All correspondence should refer to Model No., Serial No., and type of gas.

WARNING: Electrical Grounding Instructions

This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle.

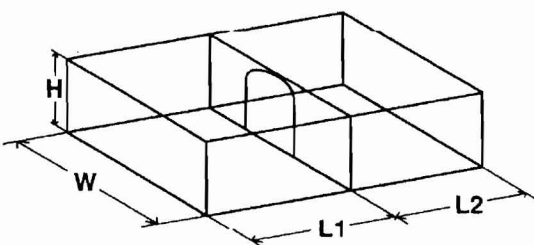
This appliance may be installed in an aftermarket manufactured (mobile) home where not prohibited by state or local code.

Aftermarket = completion of sale, not for purpose of resale from manufacturer.

This heater shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air.

The National Fuel Gas Code ANSI Z223.1/NFPA54 defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 Btu per hour (4.8m³ per kW) of the aggregate input rating of all appliances installed in that space and an unconfined space as a space whose volume is not less than 50 cubic feet per 1,000 Btu per hour (4.8m³ per kW) of the aggregate input rating of all appliances installed in that space.

Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of the unconfined space.



The following formula can be used to determine the maximum heater rating per the definition of unconfined space:

$$\text{BTU/HR} = \frac{(L1+L2)\text{Ft} \times (W)\text{Ft} \times (H)\text{Ft} \times 1000}{50}$$

Consider two connecting rooms with an open area between, with the following dimensions:

$$\text{BTU/HR} = \frac{(15\frac{1}{2} + 12) \times (12) \times (8) \times 1000}{50}$$

$$= 52800 \text{ BTU/HR}$$

If there is a door between the two rooms that can be closed the calculation must be based only on the room with the heater.

$$\text{BTU/HR} = \frac{(15\frac{1}{2}) \times (12) \times (8) \times 1000}{50}$$

$$= 29760 \text{ BTU/HR}$$

WARNING: If the area in which the heater may be operated is smaller than that defined as an unconfined space or if the building is of unusually tight construction, provide adequate combustion and ventilation air by one of the methods described in the National Fuel Gas Code, ANSI Z223.1/NFPA54, Section 5.3 or applicable local codes.



Telephone Order

Customer _____ Date _____ PO _____
Job Name _____ Taken By _____ Filled By _____

<p>20.9% Oxygen</p> <p>Fire on Flame Rod moves away valve flame is off</p>	<p>around 15</p> <p>at 18% shuts damper on Gas</p>
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