

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

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

Permit No: 07-1084	Issue Date:	CBL: 045 C002001
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Location of Construction: 180 STATE ST	Owner Name: RICE GEOFFREY I	Owner Address: 658 CONGRESS ST 1ST FLOOR	Phone: 773-1814
Business Name:	Contractor Name: Snyder Certified Services	Contractor Address: P.O. Box 665 Gorham	Phone: 2072523445
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: 3 unit residential	Proposed Use: 3 unit residential - install a direct vent Rinnai Heater in each unit	Permit Fee: \$50.00	Cost of Work: \$3,000.00	CEO District: 2
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type:	

Proposed Project Description: install a direct vent Rinnai Heater in each unit	Signature:	Signature:
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: Idobson	Date Applied For: 09/05/2007	<b>Zoning Approval</b>		
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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..	<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**

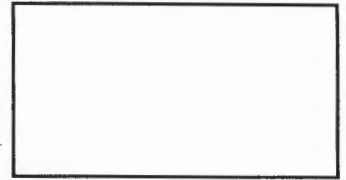
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition,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



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 180 STATE YSC 2 Use of Building Rental Date 9-5-07  
Name and address of owner of appliance \_\_\_\_\_

Installer's name and address SNYDER CERTIFIED SERVICES  
P.O. Box 665 Gorham Rd 04038 Telephone 252-3445 Cell

**Location of appliance:**  
 Basement       Floor  
 Attic             Roof

**Type of Fuel:**  
 Gas       Oil       Solid

**Appliance Name:** \_\_\_\_\_  
 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 440  
 Other \_\_\_\_\_

**Type of Chimney:**  
 Masonry Lined  
 Factory built Direct Vent

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

Direct Vent  
 Type Rinnai UL# \_\_\_\_\_

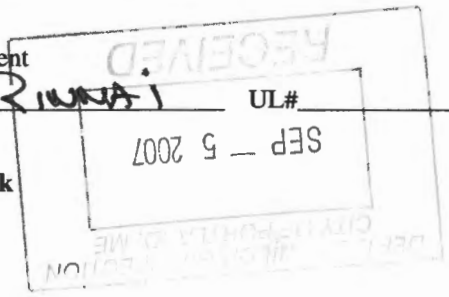
**Type of Fuel Tank**  
 Oil  
 Gas

**Size of Tank** N/A

**Number of Tanks** N/A

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

**Cost of Work:** \$ 3000-  
**Permit Fee:** \$ 50<sup>00</sup>/00



Approved

Approved with Conditions

See attached letter or requirement

Fire: \_\_\_\_\_  
Ele.: \_\_\_\_\_  
Bldg.: \_\_\_\_\_

Signature of Installer [Signature] Inspector's Signature \_\_\_\_\_ Date Approved \_\_\_\_\_

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

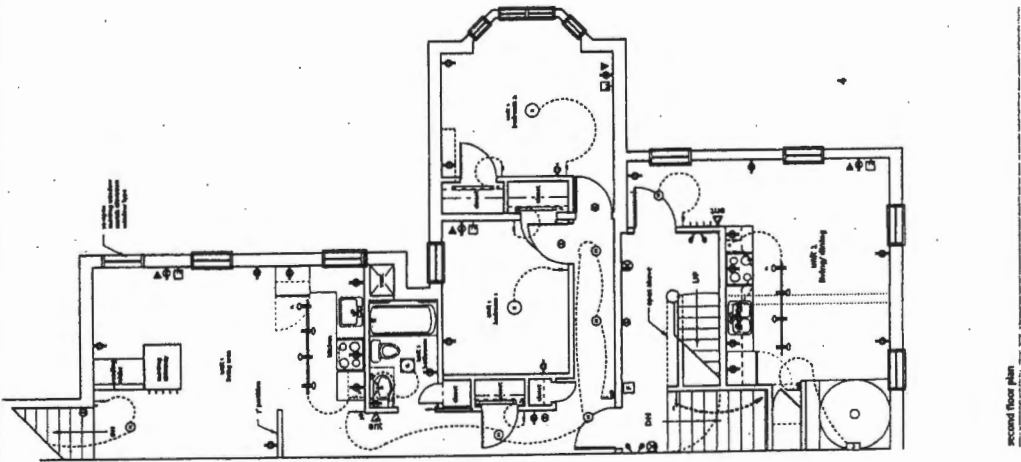
KEY  
SIGNALING LAMP  
BELL  
BELL ALARM  
SIGNALING LAMP  
BELL ALARM  
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BELL ALARM  
SIGNALING LAMP  
BELL ALARM

ELECTRICAL NOTES

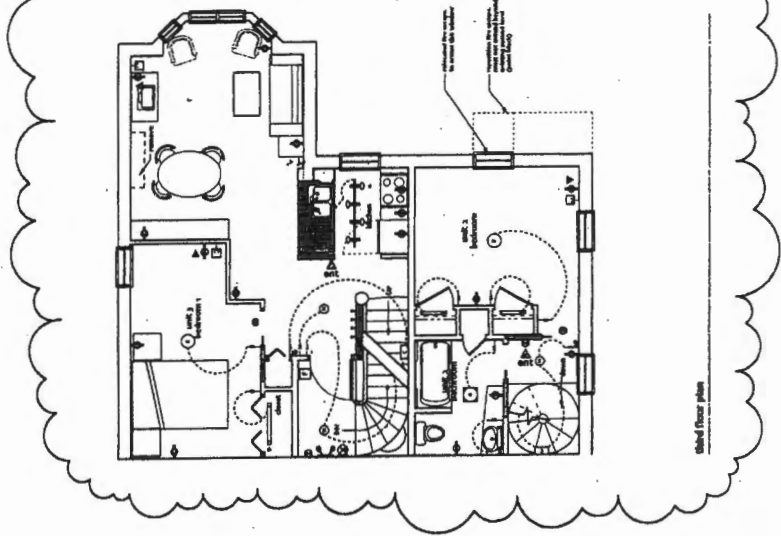
1. Conductor shall be installed in accordance with the NEC in all cases, unless otherwise specified.
2. Conductor shall be installed in accordance with the NEC in all cases, unless otherwise specified.
3. All wiring shall be done in accordance with the NEC in all cases, unless otherwise specified.
4. All wiring shall be done in accordance with the NEC in all cases, unless otherwise specified.
5. All wiring shall be done in accordance with the NEC in all cases, unless otherwise specified.

IN GENERAL, ALL ELECTRICAL INSTALLATIONS SHALL BE DONE IN ACCORDANCE WITH THE NEC.

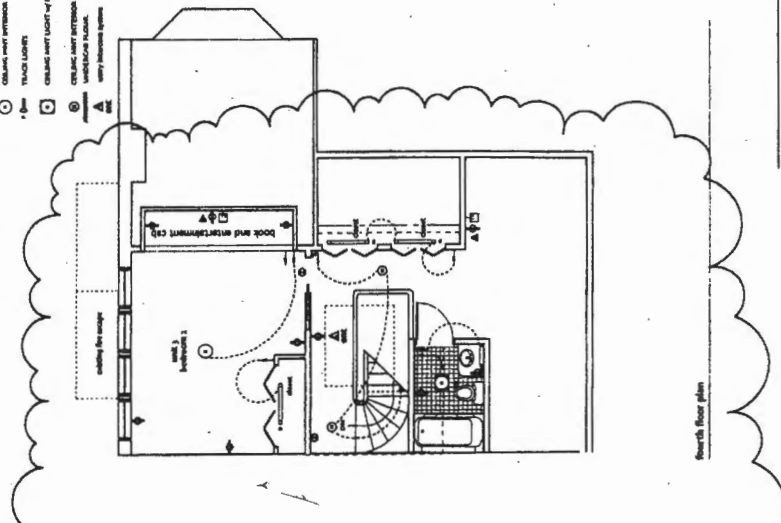
- SWITCH
- RELAY
- TRAY
- CONDUIT
- TRAY
- TRAY
- TRAY
- TRAY
- TRAY
- TRAY
- TRAY



Second floor plan



Third floor plan

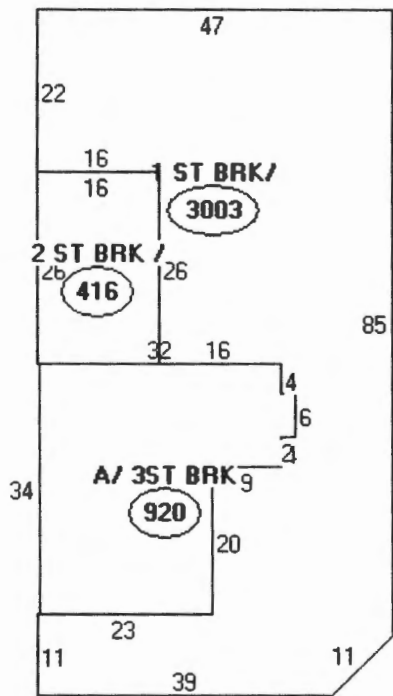


Fourth floor plan

405 Main Street, Portland, Maine 04101  
Telephone: (603) 877-1111  
FAX: (603) 877-1112  
www.eg.com  
electrical plans

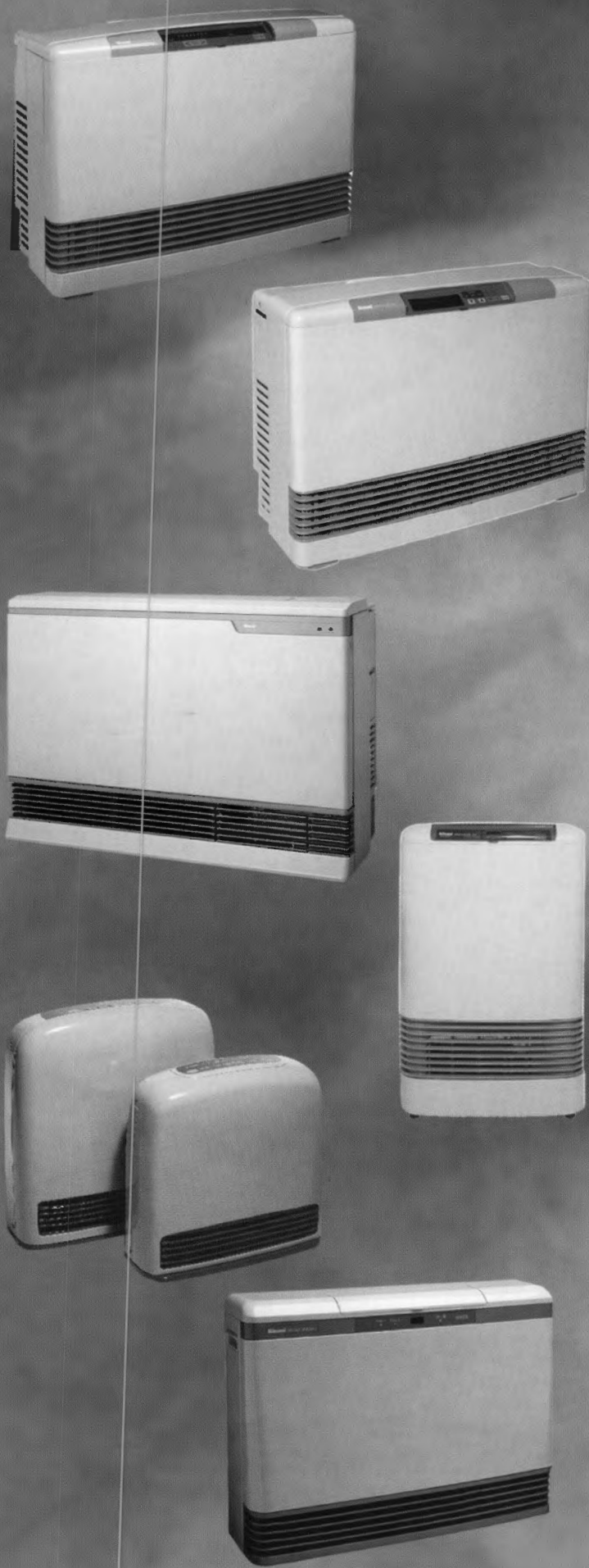


45-C-2



Descriptor  
A: 1 ST BRK  
3003 sqft  
B: A/ 3ST BRK  
920 sqft  
C: 2 ST BRK  
416 sqft

45-C-1



## Direct Vent Furnaces

- LED Temperature Display
- Push Button Controls
- Cool-to-the-touch Cabinetry
- Child Safety Lock
- Smart 7-stage modulating gas control
- 7-stage Whisper Quiet Modulating Blower
- Integral Humidifier
- Advanced Electronic Circuitry
- 10 year limited warranty on Heat Exchanger
- 5 year warranty on Parts

**263**

- 5,500 to 11,000 BTU's
- Vertical contemporary design
- Perfect for lofts and sunrooms

**431**

- 8,200 to 16,700 BTU's
- Designed for small areas

**556**

- 8,200 to 21,500 BTU's
- Perfect for apartments, condos or basements

**431WTA & 556WTA**

- 7 day/28 event programmable thermostat
- Frost Protection Setting

**1004**

- 10,500 to 38,000 BTU's
- System designed with technology for whole house heating

## Vent-Free Convection Heaters

- LED Temperature Display
- Push Button Controls
- 99.9% Energy Efficient
- 3 year warranty
- Cool-to-the-touch Cabinetry
- Built-in Safety Sensor™ ODS
- Child Safety Lock
- Whisper Quiet Blower
- Natural or LP Gas

**229A**

- 2,000 to 6,000 BTU's
- Perfect for the bedroom or bathroom
- Smart 7-stage modulating gas valve and blower

**329A**

- 3,000 to 10,000 BTU's
- Perfect for the bedroom, living room or basement
- Smart 7-stage modulating gas valve and blower

**606A**

- 5,000 to 24,000 BTU's
- On/Off timer control
- Perfect for large drafty hard to heat rooms
- Smart 7-stage modulating gas valve and blower
- Dual on/off timer and remote control (606TRA only)

# Portable Cooking Products

Rinnai's line of portable cooking products; the single burner, the double burner and the double burner with broiler are perfect for a tailgate party, recreational vehicle, camping trip, picnic, or barbecue.

Rinnai products are perfect for:

- Camping Trips
- Power outages
- On the patio
- Catering
- Extra kitchen cooking tops
- Buffet table warmers
- Tailgate parties



**The Single Burner**

**RETS-1NEA  
SINGLE COOK TOP**



**The Two Burner**

**RET-2KR  
DUAL COOK TOP**



**The Two Burner with Broiler**

**RETS-320NA  
DUAL COOK TOP WITH BROILER**

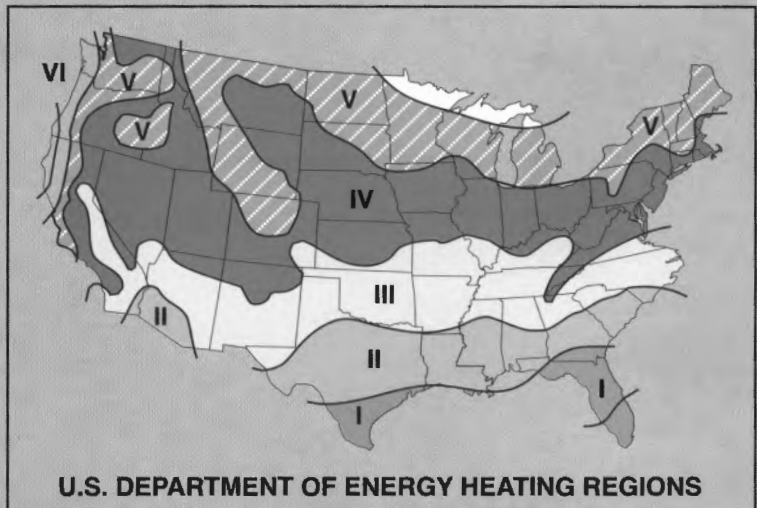
**A. SIZING GUIDELINES FOR VENT-FREE GAS PRODUCTS INSTALLED IN ALL SPACES IN ALL HEATING REGIONS (EXCEPT ISOLATED SPACES IN REGION V)**

Heating Region	House Construction					
	Loose <sup>1</sup>		Average <sup>2</sup>		Tight <sup>3</sup>	
	TStat	Manual	TStat	Manual	TStat	Manual
Minimum Input Rate Needed to Maintain Comfort Btuh/ft <sup>3</sup>						
I	2.30	1.60	1.85	0.90	1.50	0.60
II,VI	3.40	2.70	2.20	1.45	1.80	1.00
III	4.30	3.50	2.60	1.95	2.20	1.30
IV	5.40	4.50	3.15	2.45	2.40	1.65
V	6.70	5.70	3.85	3.15	2.80	2.10

\*OTHER REQUIREMENTS APPLY TO REGION V. FOR DETAILS CONTACT RINNAI.

**1. INFORMATION THAT THE CUSTOMER MUST PROVIDE:**

- a. Determine the volume of space to be heated in cubic feet. This space may be a single room, or it may be connecting rooms or areas.
- b. Select the house construction: loose, average, or tight.
- c. Select the type of heater control system desired: thermostatic or manual operation.
- d. Determine the region of the country where the house is located.



**2. HEATER SIZING CALCULATION:**

- a. Find the heater input rate (in Btuh/ft<sup>3</sup>) from Table A according to the above information from 1b, 1c and 1d.
- b. Multiply this value from Table A by the volume of space from 1a. This result will provide a minimum heater input (in Btuh) to ensure human comfort under a range of operating conditions.

Rinnai is continually updating and improving products, therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

Benjamin Franklin Plumbing  
Plumbing & Heating Service  
207-767-0898

**Rinnai**<sup>®</sup>  
Innovative Gas Products

website:  
**www.rinnaiamerica.com**

**Toll Free: (800) 621-9419**

**Fax: (888) 474-6624**

