

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that MICHELLE E ADSHEAD

Located At 62 OCEAN AVE

Job ID: 2011-11-2705-ALTR

CBL: 129- C-008-001

has permission to Rinnai on 3rd Fl.

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes 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

[Signature] 11-30-11

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

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.**

1. Final Inspection upon completion of work.

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

Director of Planning and Urban Development

Penny St. Louis

Job ID: 2011-11-2705-ALTR

Located At: 62 OCEAN AVE

CBL: 129- C-008-001

Conditions of Approval:

Fire

Installation shall comply with City Code Chapter 10.

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

NFPA 54, *National Fuel Gas Code*;

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.

Building

1. Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.
2. Ventilation of this space is required per ASRAE 62.2 or 62.1, 2007 edition.
3. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
4. The installation must comply with the State of Maine Gas Regulations.
5. The appliance and venting shall be installed in accordance with the UL listing, manufacturer's specifications, IRC 2009 and NFPA 211
6. Maintain proper setback(s) from property lines/buildings and proper clearances from vertical openings when direct venting
7. This property shall remain a two-family dwelling.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-11-2705-ALTR	Date Applied: 11/14/2011	CBL: 129- C-008-001	
Location of Construction: 62 OCEAN AVE	Owner Name: MICHELLE E ADSHEAD	Owner Address: 14 HENNINGS WAY NORTH YARMOUTH, ME 04097	Phone:
Business Name:	Contractor Name: Northeast LP Equipment	Contractor Address: 1249 Mooseheat Trail, Dixmont, ME 04832	Phone: 745-9327
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-5
Past Use: Two family	Proposed Use: Same: Two family – to install Rinnai heater	Cost of Work: \$2,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A Signature: <i>Capt. Thorne 11/29/11</i>	Inspection: Use Group: Type: <i>Hume</i> Signature: <i>[Signature]</i>
Proposed Project Description: HVAC		Pedestrian Activities District (P.A.D.)	

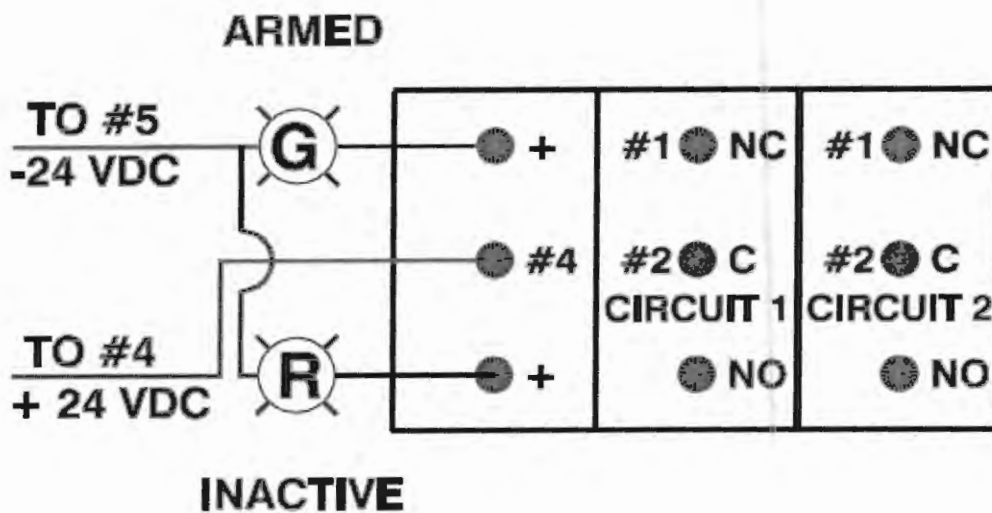
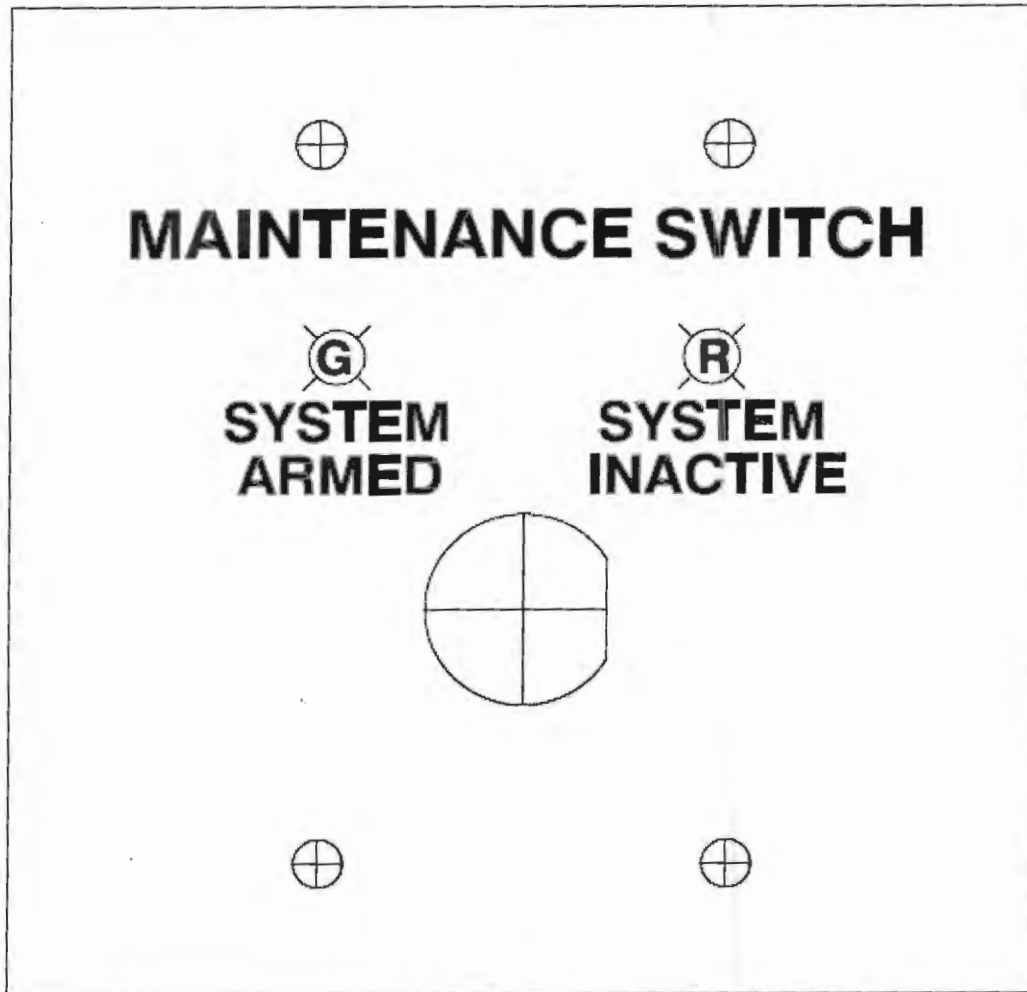
Permit Taken By: Gayle	Zoning Approval
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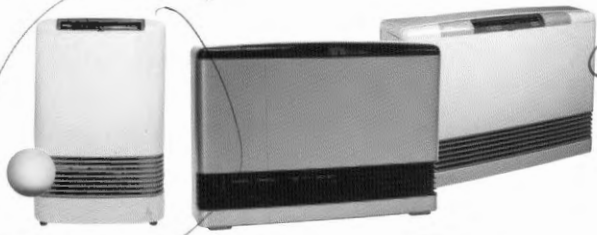
<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: <i>11/29/11</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>[Signature]</i></p>
	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 appication 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

KEY MAINTENANCE SWITCH WIRING DIAGRAM





*Chris Adshhead
@ 62 Ocean Ave
Portland, Me,*

\$ 1,300. Installed. (RHFE263FA)

Rinnai®

DUCTLESS DIRECT-VENT HEATERS A NEW APPROACH TO ZONE HEATING

ENERGY-EFFICIENT GAS DUCTLESS DIRECT-VENT HEATERS





Rinnai.

TRADITIONAL VS. RINNAI APPROACH TO HEATING

Disadvantages of the Traditional Approach

- High operating costs
- Large fluctuations in room temperature
- Slow response to thermostatically controlled heat settings
- Poor distribution of the heat provided

Advantages of the Rinnai Approach

- Energy-efficient and economical zone or whole-house heating
- Thermistor enables unit to register and quickly adapt to small temperature changes
- Heat supplied only as needed; effectively circulated through living space



MODEL RHFE-201
Lower output for smaller areas

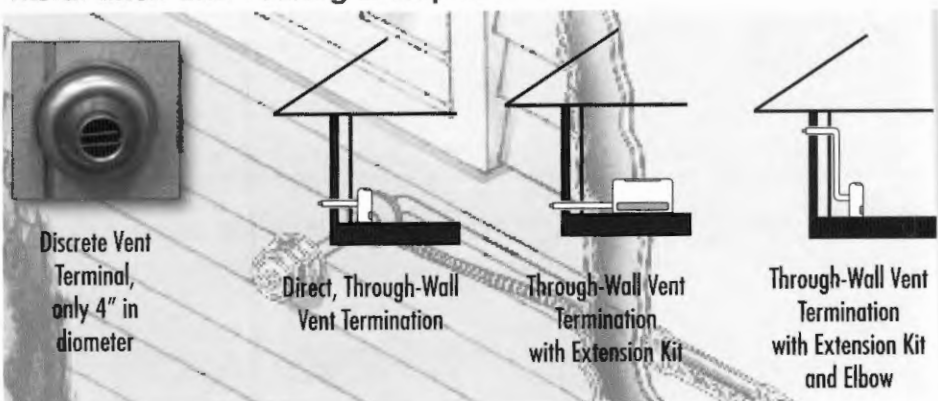


HOW IT WORKS

The Thermistor

- Designed to accurately monitor room temperature at 2" off the floor
- Capable of detecting temperature changes as little as half of a degree
- Detects cold air that has entered the room and dropped to the floor

Installation and Venting Examples



Rinnai Response

- Within 10 seconds, the Rinnai begins to gently heat the room at low fan speed
- It increases fan speed and BTU output if necessary to achieve set temperature
- Once desired temperature is achieved, the unit shuts off and goes into stand-by mode

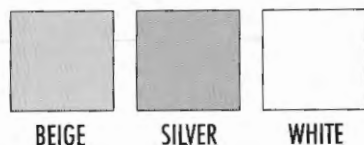
Room Monitoring

- As the temperature of the room gradually drops, the ductless heater restarts and gradually warms the room back to the set temperature
- If there is a sudden injection of cold air, the unit will respond with higher fan speed and BTUs to quickly restore the set temperature

Product Applications

With Rinnai ductless heating units, enjoy comfortable heat in any type of:

- New Construction or Existing Homes
- Multifamily Housing
- Apartment Complex
- Room Addition, Basement Remodel or Sunroom
- Condo or Loft
- Cabin, Lake or Vacation Home
- Manufactured Housing



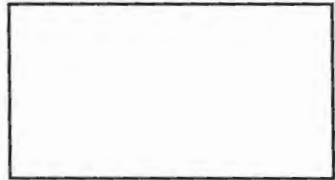
NOTE: Please visit local dealer showroom to view actual color representation of product. Silver & White available only with models RHFE-1004FA & RHFE-556WTA



2011-11-2705

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



E-5

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 129-C-8 Use of Building Duplex ^{2 DUPLX C.B.O} Date 11-14-11
 Name and address of owner of appliance Chris Adshhead
62 Ocean Ave - Portland, Me.
 Installer's name and address Northeast
 Telephone _____

Location of appliance:

- Basement
- ^{3rd} Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Rinnai RHF263FA

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 # PN7-3038
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type Centrifical UL# _____

RECEIVED

NOV 14 2011

Type of Fuel Tank

- Oil
- Gas

Dept. of Building Inspections
City of Portland Maine

Size of Tank N/A

Number of Tanks N/A

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

Cost of Work: \$ 1300.

Permit Fee: \$ _____

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer _____

White - Inspection

Yellow - File

Pink - Applicant's


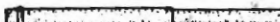
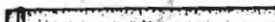


Gold - Assessor's Copy

11-14-11

PRODUCT SPECIFICATIONS

Model Number	Gas Type	Input Range (BTU) (Low/High)	AFUE Rating	Dimensions (W x H x D)	Wt. (lbs.)
RHFE-201-FA (Beige only)	NG	3,000 / 8,000	80.6%	16 3/4" x 26 5/8" x 9 7/8"	39
	LP	3,000 / 8,000	83.4%		
RHFE-263-FA (Beige only)	NG	5,500 / 11,000	80.0%	16 3/4" x 26 5/8" x 9 7/8"	37
	LP	5,700 / 11,000	80.0%		
RHFE-431FA (Beige only)	NG	8,200 / 16,700	80.8%	29 1/2" x 21 13/16" x 9 7/8"	51
	LP	8,200 / 16,700	81.0%		
RHFE-431WTA-A (Beige only)	NG	8,200 / 16,700	80.8%	29 1/2" x 21 13/16" x 9 7/8"	51
	LP	8,200 / 16,700	81.0%		
RHFE-556-FA (Beige only)	NG	8,200 / 21,500	80.6%	29 1/2" x 21 13/16" x 9 7/8"	51
	LP	8,200 / 20,700	81.0%		
RHFE-556WTA-A (Beige)*	NG	8,200 / 21,500	80.6%	29 1/2" x 21 13/16" x 9 7/8"	51
RHFE-556WTA-S (Silver)	LP	8,200 / 20,700	81.0%		
RHFE-556WTA-W (White)					
RHFE-1004FA-A (Beige)	NG	10,500 / 38,400	80.6%	36 5/8" x 26 3/8" x 13"	91
RHFE-1004FA-S (Silver)	LP	10,500 / 36,500	82.0%		
RHFE-1004FA-W (White)					

ACCESSORIES

Part Number	Description	Part Illustration / Image
EXTENSION KITS FOR 263, 431, AND 556		
FOT-155	11" - 20" Vent Pipe Extension	
FOT-156	21" - 40" Vent Pipe Extension	
FOT-157	60" - 80" Vent Pipe Extension	
FOT-158	Elbow	
FOT-190	Long Elbow	

ACCESSORIES

Part Number	Description
EXTENSION KITS FOR 1004 / RHFE-750	
FOT-102	11" - 20" Vent Pipe Extension
FOT-103	21" - 40" Vent Pipe Extension
FOT-114	60" - 80" Vent Pipe Extension
FOT-115	Elbow

NOTE: Weight specification is for shipping weight.

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 and upon installation.

FOR MORE INFORMATION ON RINNAI PRODUCTS

ADDITIONAL RINNAI LITERATURE AVAILABLE

RESIDENTIAL TANKLESS
WATER HEATERS



INTELLIGENT FIREPLACES



DUCTLESS HEATERS



Rinnai Corporation

103 International Drive
Peachtree City, GA 30269

Toll Free 1-866-RINNAI-1

Phone: 678-829-1700 • Fax: 678-364-8643

Visit our Websites: www.rinnai.us • www.fareverhotwater.com

E-mail: marketing@rinnai.us

Rinnai



intelligent heating solutions

As the world's largest manufacturer of gas appliances, Rinnai offers an energy-efficient heating solution that delivers comfortable, evenly distributed heat in any room or home. The Rinnai advantages are clear... lower energy cost and comfortable heat means a greener environment for all.

Advantage 1

Zone Heating Made Simple...

Rinnai's exclusive "Smart Technology" continually adjusts to provide comfortable and consistent heat to your room or home by constantly monitoring the area you're heating and detecting changes needed to maintain your desired comfort level.

Maximum efficiency can be achieved with Rinnai's exclusive automatically adjusting heat output and fan. Select one of the fully programmable thermostat models, and efficient heating becomes as easy as 1-2-3.



Advantage 2

High Efficiency...

The use of an aluminized and stainless steel heat exchanger and modulating gas valve provide up to 83% AFUE efficiency. Select a seven-day programmable thermostat, and begin to manage your heating needs for additional energy savings. Unlike a traditional duct system, the Rinnai ductless heating system minimizes heat and energy loss. Its low electrical consumption also adds to its efficiency benefits.

Advantage 3

Flexible and Easy Installation...

Installation is made easy with a discreet termination kit only requiring a 3" hole and is included with each unit, accommodating most wall thicknesses.

Advantage 4

Quiet Operation...

Rinnai's ductless heaters are among the quietest operating on the market. Efficient fans offer exceptional air flow at very low decibels, a little louder than a whisper (31-47 dBA).

Advantage 5

Outstanding Warranty...

Rinnai is recognized around the world for innovation and quality manufacturing, offering one of the best product warranties in the industry. The heat exchanger is warranted for 10 years, all other parts are covered for five years, and labor for 2 years.

Advantage 6

A Safe and Healthy Environment...

The sealed combustion design ensures indoor air quality is not compromised. Combustion gases are not drawn into the living space, but are released directly outside. The child safety lock and "cool-to-the-touch" cabinet make it safe for the entire family.



HILLER NEW ENGLAND

Fire Protection, Inc.

240 Ballardvale Street
Wilmington, MA 01887

KEY MAINTENANCE SWITCH

Part #: HNE-173

This key maintenance switch will disconnect actuation circuits in the system to prevent accidental discharge during maintenance operations.

Two LEDs indicate "System Armed" and "System Inactive" Conditions. When the key is inserted and turned, the "System Inactive" indicator lights. The key can only be removed in the armed position.

The key maintenance switch mounts to a two-gang deep bell box or a two-gang deep wire mold box and operates on 24VDC. The key maintenance switch can be flush-mounted with a two-gang plaster ring on a deep 4" square box.

This key maintenance switch is also available with the key removable in the armed and the inactive positions.

Rated at: 10A 250VAC, 15A 125-250VAC, the DC rating is 15A up to 30VDC. Max. current draw of 10 mA

