

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BUILDING INSPECTION

Permit Number: 061577

This is to certify that REED TRACIE J & JOSHUA REED JTS/Carlo Doria

has permission to Install 3 Rinnai heaters

AT 214 BRACKETT ST

PERMIT ISSUED

NOV - 1 2006

CITY OF PORTLAND

055 B041001

provided that the person or persons who accept this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Classification of inspection must be given and when permission is procured before this building or part thereof is occupied or service is closed-in. 4
OUR NOTICE REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
Department Name

Arionna A. Collins
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	06-577	Issue Date:	11/01/06
BL:	055 B041001		

Location of Construction: 214 BRACKETT ST	Owner Name: REED TRACIE J & JOSHUA REE	Owner Address: 214 BRACKETT ST	Phone:
Business Name:	Contractor Name: Carlo Doria	Contractor Address: 19 Sunrise Dr Cape Elizabeth	Phone: 2077990066
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-6

Past Use: Residential 3 unit	Proposed Use: Residential 3 unit install 3.Rinnai heaters	Permit Fee: \$90.00	Cost of Work: \$6,800.00	CEO District: 2
Proposed Project Description: Install 3 Rinnai heaters <i>Legal Use: 3 family D.U.</i>		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied Install to NFPA 54	INSPECTION: Use Group: R2 Type: HVAC JMC 2003	
		Signature: <i>Greg Cass</i> Signature: <i>[Signature]</i> 11/01/06 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: 10/30/2006	Zoning Approval		
-----------------------------	---------------------------------	------------------------	--	--

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..	Special Zone or Reviews <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"/> <i>OK with conditions</i> Date: <i>10/30/06</i>	Zoning Appeal <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: _____	Historic Preservation <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 <i>Any exterior work requires a separate review & approval</i> 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

City of Portland, Maine - Building or Use Permit

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

Permit No: 06-1577	Date Applied For: 10/30/2006	CBL: 055 B041001
------------------------------	--	----------------------------

Location of Construction: 214 BRACKETT ST	Owner Name: REED TRACIE J & JOSHUA REE	Owner Address: 214 BRACKETT ST	Phone:
Business Name:	Contractor Name: Carlo Doria	Contractor Address: 19 Sunrise Dr Cape Elizabeth	Phone: (207) 799-0066
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Residential 3 unit install 3.Rinnai heaters	Proposed Project Description: Install 3 Rinnai heaters
---	--

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 10/30/2006

Note: **Ok to Issue:**

- 1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- 2) This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. Without special approvals.
- 3) This property shall remain a three (3) family dwelling. Any change of use shall require a separate permit application for review and approval.
- 4) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Michael A. Collins **Approval Date:** 11/01/2006

Note: **Ok to Issue:**

- 1) The installation must comply with the State of Maine Gas Regulations.
- 2) Equipment must be installed in compliance with the manufacturer's specifications
- 3) The heating appliance/stove shall be installed, maintained and operated in accordance with the terms of the listing.
- 4) Maintain proper setback(s) from property lines/buildings and proper clearances from verticle openings when direct venting.

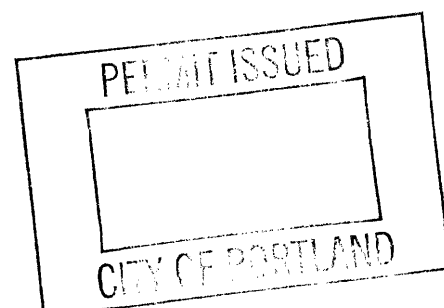
Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 10/31/2006

Note: **Ok to Issue:**

- 1) Install shall comply with NFPA 54

Comments:

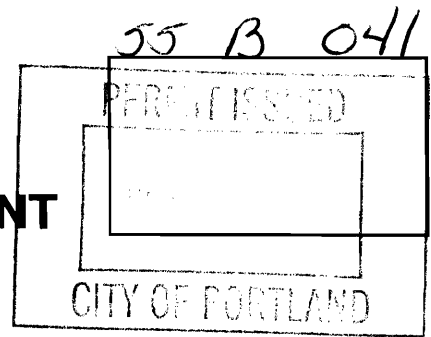
11/1/2006-mc: Need more information on heating equipment. Called Carlo Doria. Will fax over info. MC





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 214 Brackett St. Use of Building _____ Date 11/30/06
 Name and address of owner of appliance Josh + Tracey Reed 214 Brackett St.
Portland, ME
 Installer's name and address Carlo Dorva Plumbing + Heating
 Telephone 207 799 0066

Location of appliance:

- Basement
- Floor
- Attic
- Roof

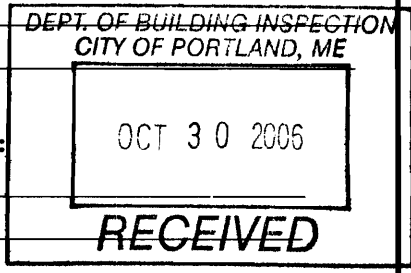
Type of Fuel:

- 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 # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT 2335
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type steel UL# _____

Type of Fuel Tank

- Oil
- Gas Natural

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 6800.-

Permit Fee: \$ 90

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Signature of Installer Carlo Dorva Inspector's Signature _____ Date Approved 11/01/06

23 Waterhouse Road, Cape Elizabeth, Maine 04107
Phone: 207-799-0066 Fax: 207-767-1762
Email: cdoria@verizon.net

Carlo Doria Plumbing & Heating, Inc.

Fax

To: Mike Collins **From:** Cheryl Doria

Date: 11/1/06 **Pages:** 5

Re: 214 Brackett St. permit

Urgent For Review Please Comment Please Reply

● **Comments:**

Installing 2 RHFE-431WTA and 1 RHFE-556WTA

Mechanical Specifications

Every component of this wall furnace was designed by Rinnai engineering and manufactured in a Rinnai facility to ensure optimal efficiency and performance.

Fuel

Wall furnace designs are certified by the CSA for both natural and LP gas. Limit setting and rating data were established and approved under standards and conditions of the American National Standards Institute.

Safe Operation

The integrated control system continuously monitors the operating parameters of the wall furnace and ensures that components are performing within design standards.

Proportional Firing

This high efficiency wall furnace employ a thermistor based control system that compares desired temperature with room temperature and adjusts inducer speed, firing rate, and room blower speed accordingly. This results in exceptional comfort and very low energy consumption.

Programming

LED Display, 28 event programming, frost mode

Integrated Control System

Exclusive solid state processor provides control of all system components. Built in software for operational diagnostics and unit history with system memory.

Burners

Stainless steel inshot burners with direct spark ignition

DC Based Components

The gas solenoids, modulating gas valve, integrate control board, and the inducer motor all operate utilizing DC voltage. This control system allow full modulation of components without overheating of electrical components, and provide reliable operation with very low electrical costs.

Heat Exchanger

Galvanized steel combustion chamber with stainless steel secondary heat exchanger.

Provisions for disposal of flue gas condensation.

Air Delivery

Oversized variable speed blower provide virtually noiseless continuous operation of conditioned room air for even temperature and low energy consumption.

Sealed Combustion Direct Venting

Venting system provides combustion air and exhausts flue gases from up to 13' from wall furnace. No possibility of flue gases mixing with interior room air.

Indoor Air Quality

Each wall furnace is equipped with a return air filter.

Mobile Home Approved

All Rinnai direct vent wall furnaces are approved for mobile home use.

Slim Profile and Modern Styling

Wall furnace fits closely to the wall and cabinet style blends well with interior designs.

Electrical Data	
Supply Voltage	120 VAC 60Hz
Voltage Range	108-132 VAC
Power Consumption	55 watts
Temperature Control	
Sensor	DC thermistor
Setting Tolerance	2° Increments
Temperature Range	50°, 60°-80°F
Noise Rating	
Low	32dB
High	41dB
Venting	
Wall Penetration Dia.	3 1/8"
Wall Thickness Range	3" - 3 1/2"
Maximum Vent Length	13' & 2 - 90° Bends

Safety Devices	
Flame Failure	Flame rod
Overheat	Bi-metal switch, thermal fuse, thermistor
Power Failure	PCB with memory
Power Surge	3 Amp fuse
Fan Delay	Micro computer timer
Pre-purge	Combustion pre-purge timer
Room Overheat	Cut off @ 104°F after 10 min.
Gas Supply	
Min. Pressure NG	5.0" wc
Min. Pressure LPG	8.0" wc
Max. Pressure NG	10.5" wc
Max. Pressure LPG	13.0" wc
Weight	51 lbs.

Rinnai

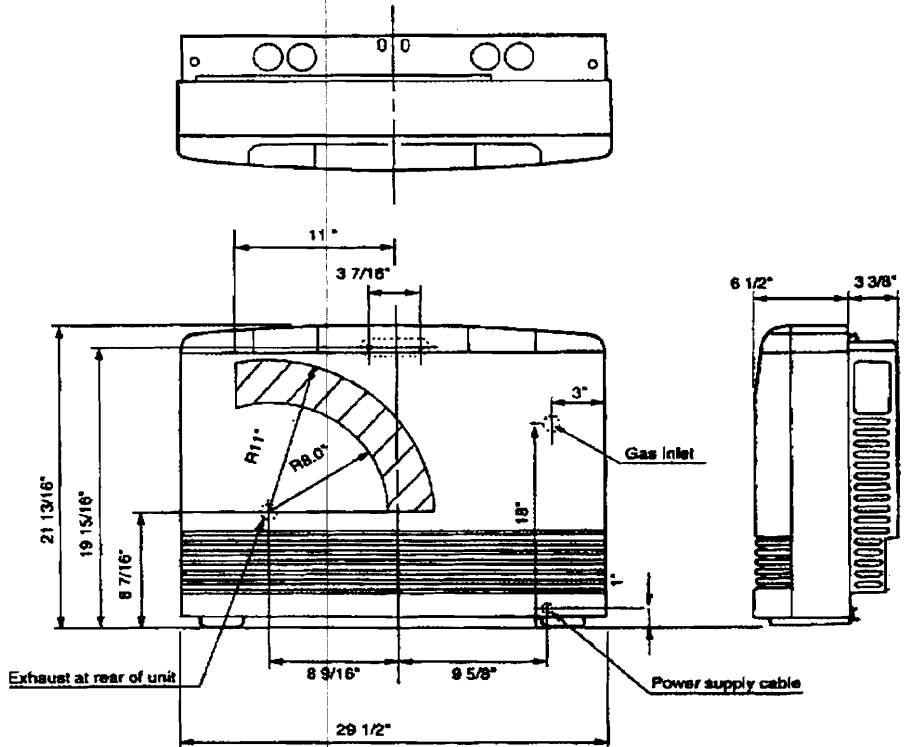
Submittal

©Rinnai 2005

RHFE-556WTA

Programmable Gas Direct Vent Wall Furnace

HEATS APPROX 700-900 sq ft



Rinnai

103 International Drive
 Peachtree City, GA 30269
 800-621-9419
 www.rinnai.us

Model #	BTU/Hr		Minimum Clearances			Fan CFM
	Input	Output	Side	Top	Front	
RHFE-556WTA-N (natural gas)	low - 8,200 high - 21,500	low - 6,640 high - 17,420	2"	10"	40"	Low - 110.5 High - 162.7
RHFE-556WTA-P (propane gas)	low - 8,200 high - 20,700	low - 6,640 high - 16,770	2"	10"	40"	Low - 110.5 High - 162.7

Available Colors: Beige, Silver, White

August 1, 2005

Since Rinnai has a policy of continuously updating product design and product data, it reserves the right to change specifications without notice.

Mechanical Specifications

Every component of this wall furnace was designed by Rinnai engineering and manufactured in a Rinnai facility to ensure optimal efficiency and performance.

Fuel

Wall furnace designs are certified by the CSA for both natural and LP gas. Limit setting and rating data were established and approved under standards and conditions of the American National Standards Institute.

Safe Operation

The integrated control system continuously monitors the operating parameters of the wall furnace and ensures that components are performing within design standards.

Proportional Firing

This high efficiency wall furnace employ a thermistor based control system that compares desired temperature with room temperature and adjusts inducer speed, firing rate, and room blower speed accordingly. This results in exceptional comfort and very low energy consumption.

Programming

LED Display, 28 event programming, frost mode

Integrated Control System

Exclusive solid state processor provides control of all system components. Built in software for operational diagnostics and unit history with system memory.

Burners

Stainless steel inshot burners with direct spark ignition

DC Based Components

The gas solenoids, modulating gas valve, integrate control board, and the inducer motor all operate utilizing DC voltage. This control system allow full modulation of components without overheating of electrical components, and provide reliable operation with very low electrical costs.

Heat Exchanger

Galvanized steel combustion chamber with stainless steel secondary heat exchanger.

Provisions for disposal of flue gas condensation.

Air Delivery

Oversized variable speed blower provide virtually noiseless continuous operation of conditioned room air for even temperature and low energy consumption.

Sealed Combustion Direct Venting

Venting system provides combustion air and exhausts flue gases from up to 13' from wall furnace. No possibility of flue gases mixing with interior room air.

Indoor Air Quality

Each wall furnace is equipped with a return air filter.

Mobile Home Approved

All Rinnai direct vent wall furnaces are approved for mobile home use.

Slim Profile and Modern Styling

Wall furnace fits closely to the wall and cabinet style blends well with interior designs.

Electrical Data	
Supply Voltage	120 VAC 60Hz
Voltage Range	108-132 VAC
Power Consumption	40 watts
Temperature Control	
Sensor	DC thermistor
Setting Tolerance	2° Increments
Temperature Range	55°, 60°-80°F
Noise Rating	
Low	32dB
High	38dB
Venting	
Wall Penetration Dia.	3 1/8"
Wall Thickness Range	3" - 3 1/2"
Maximum Vent Length	13' & 2 - 90° Bends

Safety Devices	
Flame Failure	Flame rod
Overheat	Bi-metal switch, thermal fuse, thermistor
Power Failure	PCB with memory
Power Surge	3 Amp fuse
Fan Delay	Micro computer timer
Pre-purge	Combustion pre-purge timer
Room Overheat	Cut off @ 104°F after 10 min.
Gas Supply	
Min. Pressure NG	3.5" wc
Min. Pressure LPG	8.0" wc
Max. Pressure NG	10.5" wc
Max. Pressure LPG	13.0" wc
Weight	51 lbs.

Rinnai

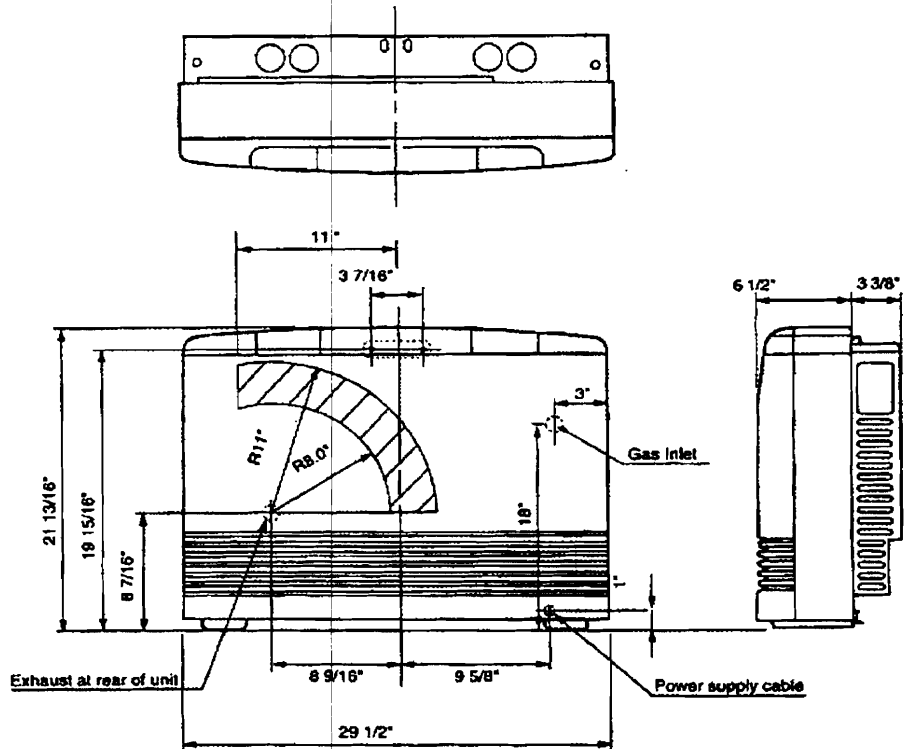
Submittal

©Rinnai 2005

RHFE-431WTA

Programmable Gas Direct Vent Wall Furnace

HEATS APPROX 500-700 Φ



Rinnai

103 International Drive
 Peachtree City, GA 30269
 800-621-9419
 www.rinnai.us

Model #	BTU/Hr		Minimum Clearances			Fan CFM
	Input	Output	Side	Top	Front	
RHFE-431WTA-N (natural gas)	low - 8,200 high - 16,700	low - 6,640 high - 13,400	2"	10"	40"	Low - 110.5 High - 141.3
RHFE-431WTA-P (propane gas)	low - 8,200 high - 16,700	low - 6,640 high - 13,400	2"	10"	40"	Low - 110.5 High - 141.3

Available Colors : Beige, Silver, White

August 1, 2005
 Since Rinnai has a policy of continuously updating product design and product data, it reserves the right to change specifications without notice.