

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Permit Number: 090241

Please Read Application And Notes, If Any, Attached

This is to certify that WITT-T LLC /Jims Plumbing & Heating Inc
has permission to Install 5 Rinnai Heaters, and Install 1 Mascot Gas Fired commercial wall-mounted Boiler
AT 37 SILVER ST CBL 029 B00100

PERMIT ISSUED
APR - 8 2009
CITY OF PORTLAND

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 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.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or otherwise closed-in. 24 HOUR NOTICE IS REQUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept. CAPT. R. Santos
Health Dept. _____
Appeal Board _____
Other _____
Department Name

Christy D. A. 4/7/09
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

SCANNED



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

March 25 20 07

Received from Jones Plumbing & Heating

Location of Work 37 Silver Street

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: _____

Building (IL) ___ Plumbing (I5) ___ Electrical (I2) ___ Site Plan (U2) ___

Other HIAC

CBL: 029-B-001

Check #: MC

Total Collected \$ 410-

No work is to be started until permit issued.

If permit is Withdrawn or Denied, amount of the Refund is based on \$20.00 or 20% of the fee, (whichever is greater)

In order to receive a refund, you MUST present the Original Receipt.

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 09-0241	Issue Date: 4/7/09	CBL: 029 B001001
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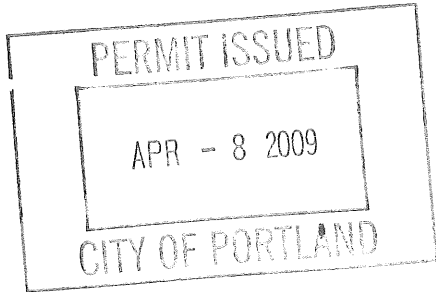
Location of Construction: 37 SILVER ST	Owner Name: WITT-T LLC	Owner Address: 378 LAKESIDE DR	Phone: 207-650-0611
Business Name:	Contractor Name: Jims Plumbing & Heating Inc.	Contractor Address: 98 Lamb Rd Westbrook	Phone: 2078548068
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-3

Past Use: Commercial/Multi Tenant	Proposed Use: Commercial/Multi Tenant - Install 5 Rinnai Heaters, and Install 1 Mascot Gas Fired commercial wall-mounted Boiler	Permit Fee: \$410.00	Cost of Work: \$38,500.00	CEO District: 1
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied * See Conditions	INSPECTION: Use Group: M Type: 5B IMC-2007	

Proposed Project Description: Install 5 Rinnai Heaters, and Install 1 Mascot Gas Fired commercial wall-mounted Boiler	Signature: <i>RC</i>	Signature: <i>CL</i> 4/2/09
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: Imd	Date Applied For: 03/25/2009	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 information may invalidate a building permit and stop all work..</p>	<p>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>3/26/09</i></p>	<p>Zoning Appeal</p> <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 <p>Date:</p>	<p>Historic Preservation</p> <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 <p>Date: <i>any exterior work requires a separate review and approval</i></p>
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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

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-0241	Date Applied For: 03/25/2009	CBL: 029 B001001
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Location of Construction: 37 SILVER ST	Owner Name: WITT-T LLC	Owner Address: 378 LAKESIDE DR	Phone: 207-650-0611
Business Name:	Contractor Name: Jims Plumbing & Heating Inc.	Contractor Address: 98 Lamb Rd Westbrook	Phone: (207) 854-8068
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial/Multi Tenant - Install 5 Rinnai Heaters, and Install 1 Mascot Gas Fired commercial wall-mounted Boiler	Proposed Project Description: Install 5 Rinnai Heaters, and Install 1 Mascot Gas Fired commercial wall-mounted Boiler
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 03/26/2009**Note:** **Ok to Issue:**

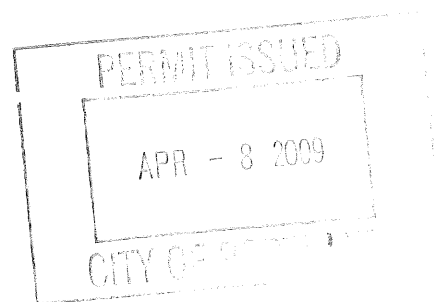
- 1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- 2) This permit is being issued for utility purposes and not to establish zoning use. Any change of use(s) from legally documented uses requires a separate building permit application.
- 3) 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:** Chris Hanson **Approval Date:** 04/07/2009**Note:** **Ok to Issue:**

- 1) This appliance/stove shall be installed, operated and maintained per the manufacturers specifications and the UL listing
- 2) Maintain proper setback(s) from property lines/buildings and proper clearances from verticle openings when direct venting.
- 3) The installation must comply with the State of Maine Gas Regulations.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 03/26/2009**Note:** **Ok to Issue:**

- 1) Install shall comply with NFPA 90B.
- 2) Install shall comply with all manufacture's specifications.



BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

 X **Final inspection required at completion of work.**

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Signature of Applicant/Designee

Date

Signature of Inspections Official

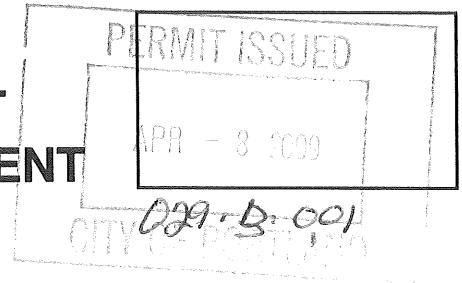
Date

Mailed



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 6 MILK ST - 37 SILVER Use of Building commercial Date 3/24/09

Name and address of owner of appliance TOM WITT

Installer's name and address JIM'S P&H 89 Lamb ST Westbrook
650 0611 Telephone _____

Location of appliance:

Basement Floor
 Attic Roof

Type of Fuel:

Gas Oil Solid

Appliance Name: BOILER MASCOT HT 330 - 5 (Rinnier)

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 # 01948
 Solid Fuel # _____
 Oil # _____
 Gas # PNT 5245
 Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____ UL# _____

Type of Fuel Tank

Oil
 Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 38500

Permit Fee: \$ _____

Approved

Approved with Conditions

Fire: _____
Ele.: _____
Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer

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



Rinnai

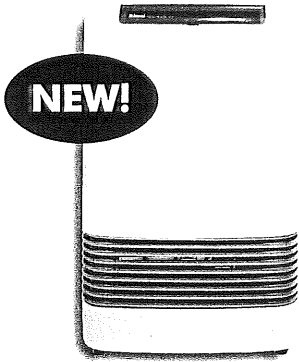
TRADITIONAL VS. RINNAI APPROACH TO HEATING

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

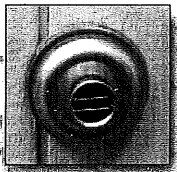
The Thermistor

- 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

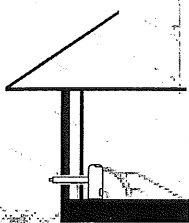
Rinnai Response

- 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

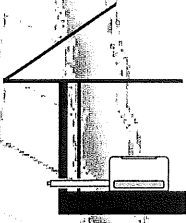
Installation and Venting Examples



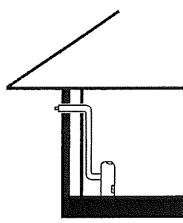
Discrete Vent Terminal, only 4" in diameter



Direct, Through-Wall Vent Termination



Through-Wall Vent Termination with Extension Kit

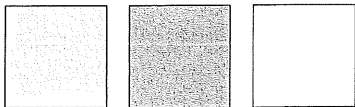


Through-Wall Vent Termination with Extension Kit and Elbow

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



BEIGE

SILVER

WHITE

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

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

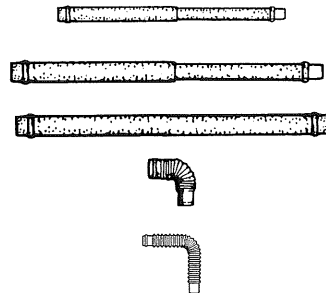
PRODUCT SPECIFICATIONS

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
	LP	8,200 / 20,700	81.0%		
RHFE-556WTA-S (Silver)					
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
	LP	10,500 / 36,500	82.0%		
RHFE-1004FA-S (Silver)					
RHFE-1004FA-W (White)					

ACCESSORIES

Part Number	Description
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

Part Illustration / Image



ACCESSORIES

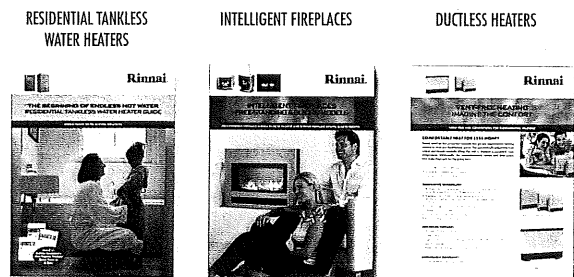
Part Number	Description
EXTENSION KITS FOR 1004 / RHFE-750	
FOT-102	11" - 20" Vent Pipe Extension
FOT-103	21" - 40" Vent Pipe Extension
FOT-114	60" - 80" Vent Pipe Extension
FOT-115	Elbow

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



Rinnai Corporation

103 International Drive
Peachtree City, GA 30269

Toll Free 1-866-RINNAI-1

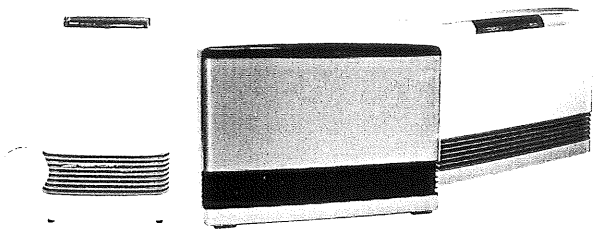
Phone: 678-829-1700 • Fax: 678-364-8643

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

E-mail: marketing@rinnai.us

Rinnai®





Rinnai[®]

**DUCTLESS DIRECT-VENT HEATERS
A NEW APPROACH TO ZONE HEATING**

ENERGY-EFFICIENT GAS DUCTLESS DIRECT-VENT HEATERS



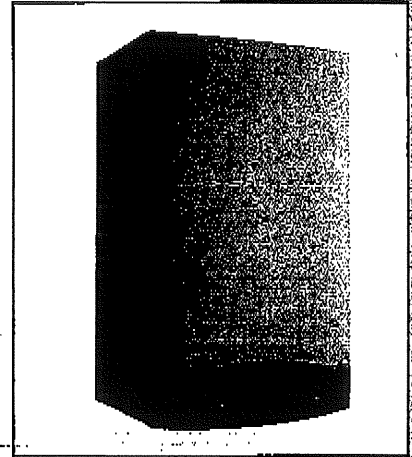
Mascot

Gas-Fired Residential
and Commercial
Wall-Mounted Boiler

Easy Installation,

96% Efficiency,

Fully Condensing



LAARS 

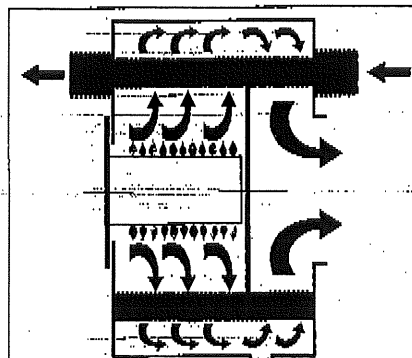
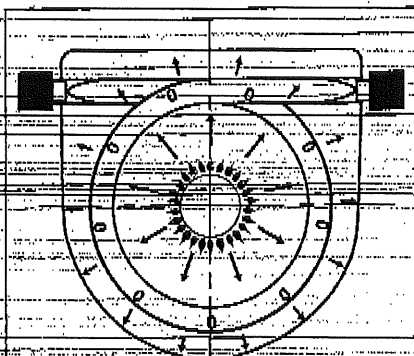
Mascot is a high-efficiency, wall-mounted boiler available in three BTU sizes – 126, 167, and 242 MBTU. The two 126 MBTU boilers are considered residential and they are available both as “heating only” boilers (model HT 1.330) and as “combi” boilers with both hydronic heating and domestic hot water (model HT 330).

The **Mascot** 167 & 242 MBTU boilers (HT 1.450 & HT 1.650) are packaged differently for potential commercial applications using either single or multiple boiler installations. This means that customers may order single or multiple piping assemblies with the Mascot HT 1.450 or HT 1.650.

Residential Boilers are Fully Packaged

Both residential models (HT 330 & HT 1.330) are loaded with features that most other boilers don't include, making Mascot boilers faster, easier and less expensive to install. Mascot residential boiler features that are standard with every 330 and 1.330 boiler include:

- Sleek, appliance-grade cabinet that looks great in any location
- Up to 96% efficiency, condensing operation
- 2-year parts warranty, 10-year heat exchanger warranty
- Sealed combustion
- Direct spark ignition for reliability and smooth starts
- Three venting options to meet the needs of almost any installation
- Modulating gas valve that varies from 30% to 100% input
- Variable speed quiet blower.
- Boilers are set up for natural gas, no parts necessary for conversion to LP gas
- Built-in expansion tank that will handle 26.4 gallons of system water (enough to cover 1,800 feet of 1/2" PEX tubing)
- Built-in water fill valve
- Water flow sensor for hydronic system
- Grundfos circulator with air vent and “quick-remove” mounting system
- Automatic 3-way valve for DHW priority (both combi and heating only)
- Back-flow preventer
- Mounting kit with template and wall bracket for fast and easy installation
- Light-weight (100 lbs.) makes handling easy
- Stainless steel A.S.M.E. primary heat exchanger with externally welded manifolds for better flow rates and prevention of leaks
- Stainless steel brazed plane DHW heat exchanger (combi models) with advanced hall sensor flow switch that detects .5 gpm DHW flow rates
- Built-in reverse-pressure by-pass to prevent short cycling
- Advanced Siemens control system with temperature control, diagnostics, outdoor reset capability, and easy access for field wiring
- Complete piping kit with isolation valves, gas cock, domestic water connection adapters with unions, hydronic connectors with unions
- Condensate trap that is easy to inspect & remove from outside the boiler



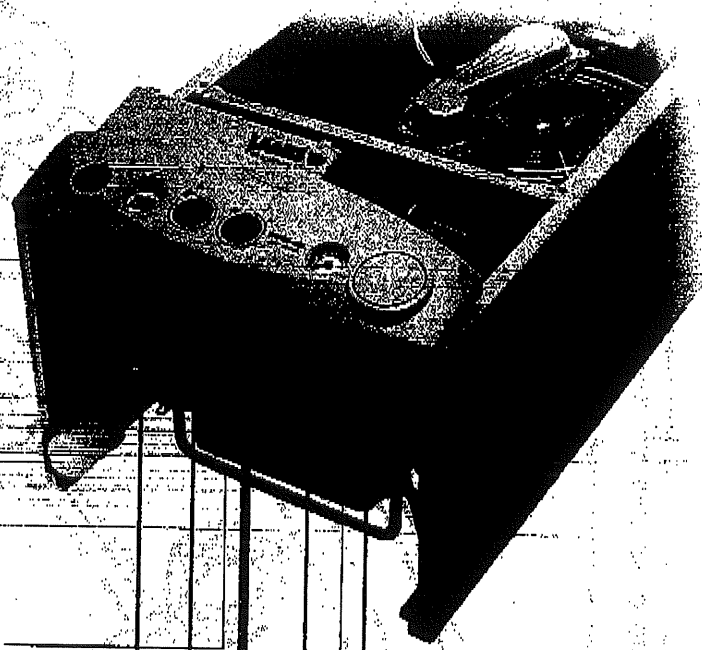
DESCRIPTION	RESIDENTIAL				COMMERCIAL						
	HT 330		HT 1.330		HT 1.450		HT 1.650				
Fuel	NG / LP		NG / LP		NG / LP		NG / LP				
Input, max fire	BTU/h	kW	126,376	37.0	126,376	37.0	167,262	49.0	241,600	70.8	
Output, maximum fire	BTU/h	kW	112,601	33.0	112,601	33.0	153,618	45.0	221,789	65.0	
DHW Outlet Water Temp.	°F	°C	140	60	n/a		n/a		n/a		
Max. DHW flow rate (at 80°F)	gpm	l/m	3.6	14	n/a		n/a		n/a		
Min. DHW pressure	psi	kPa	2.9	20	n/a		n/a		n/a		
Max. DHW pressure	psi	kPa	116	800	n/a		n/a		n/a		
Pressure Relief Valve Setting	psi	kPa	30	207	30	207	30	207	30	207	
Supply Flow Connection	in	cm	3/4	1.9	3/4	1.9	3/4	1.9	3/4	1.9	
Return Connection	in	cm	3/4	1.9	3/4	1.9	3/4	1.9	3/4	1.9	
Relief valve Connection	in	cm	3/4	1.9	3/4	1.9	3/4	1.9	3/4	1.9	
Burner and Heat Exchanger			stainless		stainless		stainless		stainless		
Service Clearances	top	in	cm	9	23	9	23	9	23	9	23
	bottom	in	cm	10	25	10	25	10	25	10	25
	sides	in	cm	2	5	2	5	2	5	2	5
	front	in	cm	18	46	18	46	18	46	18	46
Dimensions	height	in	cm	30.0	76	30.0	76	37.4	95	37.4	95
	width	in	cm	17.7	45	17.7	45	23.6	60	23.6	60
	depth	in	cm	13.6	35	13.6	35	18.4	47	18.4	47
Gas Connection	in	cm	3/4	1.9	3/4	1.9	3/4	1.9	3/4	1.9	
Air Duct Diameter	in	cm	3.93	10	3.93	10	4.92	10	4.92	10	
Flue Duct Diameter	in	cm	2.36	6	2.36	6	3.15	8	3.15	8	
Electrical Supply	voltage	V	120		120		120		120		
	frequency	Hz	60		60		60		60		
Water Content	gal	L	31.7	120	31.7	120	31.7	120	31.7	120	
Concentric Vent-Air	in	cm	2.36-3.93	6-10	2.36-3.93	6-10	3.15-4.92	8-12	3.15-4.92	8-12	
Flue Terminal Size: (2-pipe)	in	cm	3.14	8	3.14	8	3.14	8	3.14	8	
Flue Terminal Protrusion	in	cm	4.52	11	4.52	11	4.52	11	4.52	11	
Lift Weight	lbs	kg	103	47	102	46	141	64	159	72	

Mascot Applications

- Perfect for radiant floor heating applications, with no restriction on low return water temperatures
- Approved for closet and alcove installations - perfect for condominiums and town homes
- Great for saving space by combining heating and domestic hot water in one small appliance
(HT 330 only)
- Multiple commercial boilers can easily be installed with pre-designed & manufactured water manifolds with "low-loss" headers for up to three boilers
(HT 1.450 and HT 1.650 only)

Mascot Advantages

- Mascot is a high-quality, high-performance boiler with premium components and a superior design
- Mascot's features far surpass those of the competition, and at a competitive price.
- Mascot boilers install in less time than competitors because of the service-friendly design and full package of system components
- Mascot boilers are designed with the contractor in mind. Easy removal of internal circulator, unions on gas valves, unions on all water piping connections, and gasketed venting connections



CONDENSATE TRAP
EASILY REACHABLE
AND RECHARGEABLE
FROM OUTSIDE

AUTOMATIC BY-PASS
ENSURES PROPER FLOW



DHW EXCHANGER
HIGH QUALITY, FLAT PLATE
STAINLESS STEEL EXCHANGER
(model HT 330 only)

MAIN
SELECTOR
SWITCH

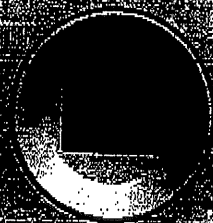
OPERATIONAL
MODE LIGHTS

REGULATION
KNOBS

PRESSURE
GAUGE

CENTRAL
HEATING
OPERATION

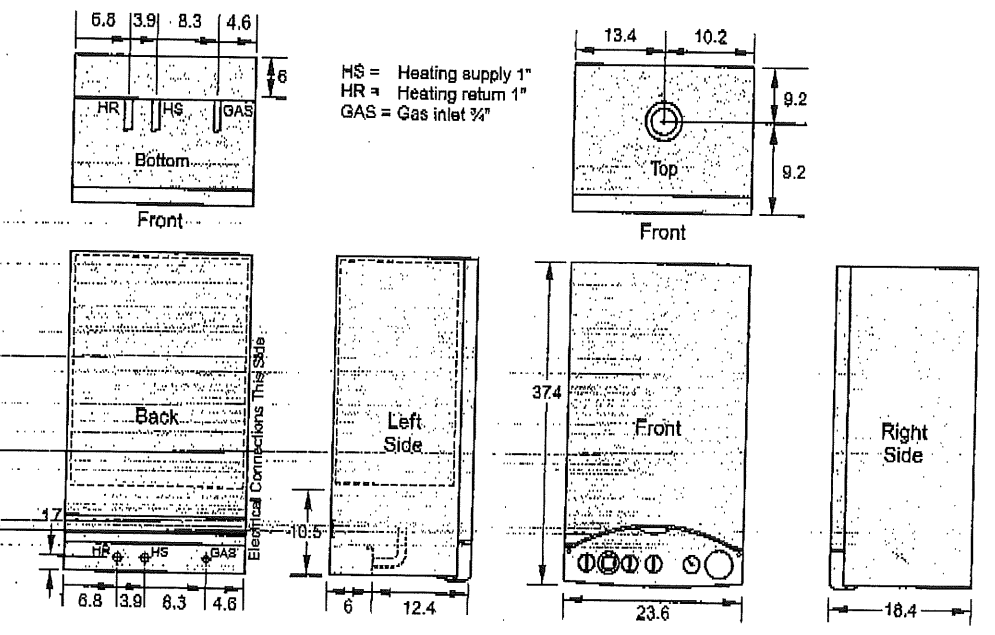
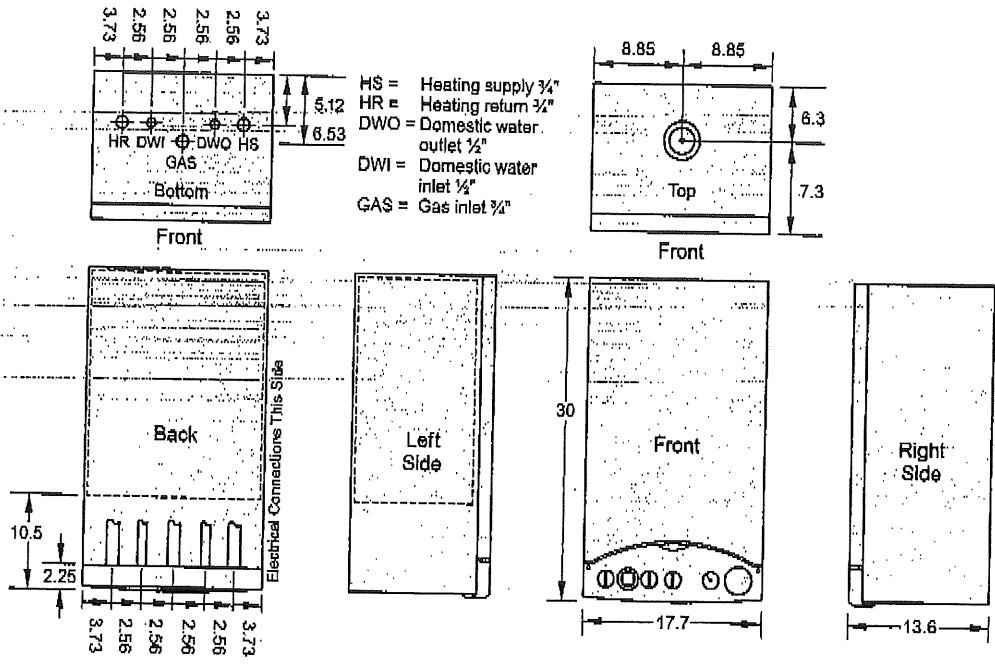
INFORMATION
CODE DISPLAY



DHW
OPERATION

PRESENCE OF
FLAME AT
THE BURNER

DIGITAL DISPLAY
HEATING, DHW,
EXTERNAL TEMPERATURE





FAX COVER SHEET

172-174 St. John Street
Portland, ME 04102

PORTLAND

BRANCHES: ME: AUGUSTA, BATH, BANGOR, LEWISTON, PORTLAND, PRESQUE ISLE, ROCKLAND, WINDHAM
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DATE: 3/25/09 # OF PAGES: 6 RETURN FAX # 207-772-2957

TO: LISA FROM: John T.

LISA,

This is information on

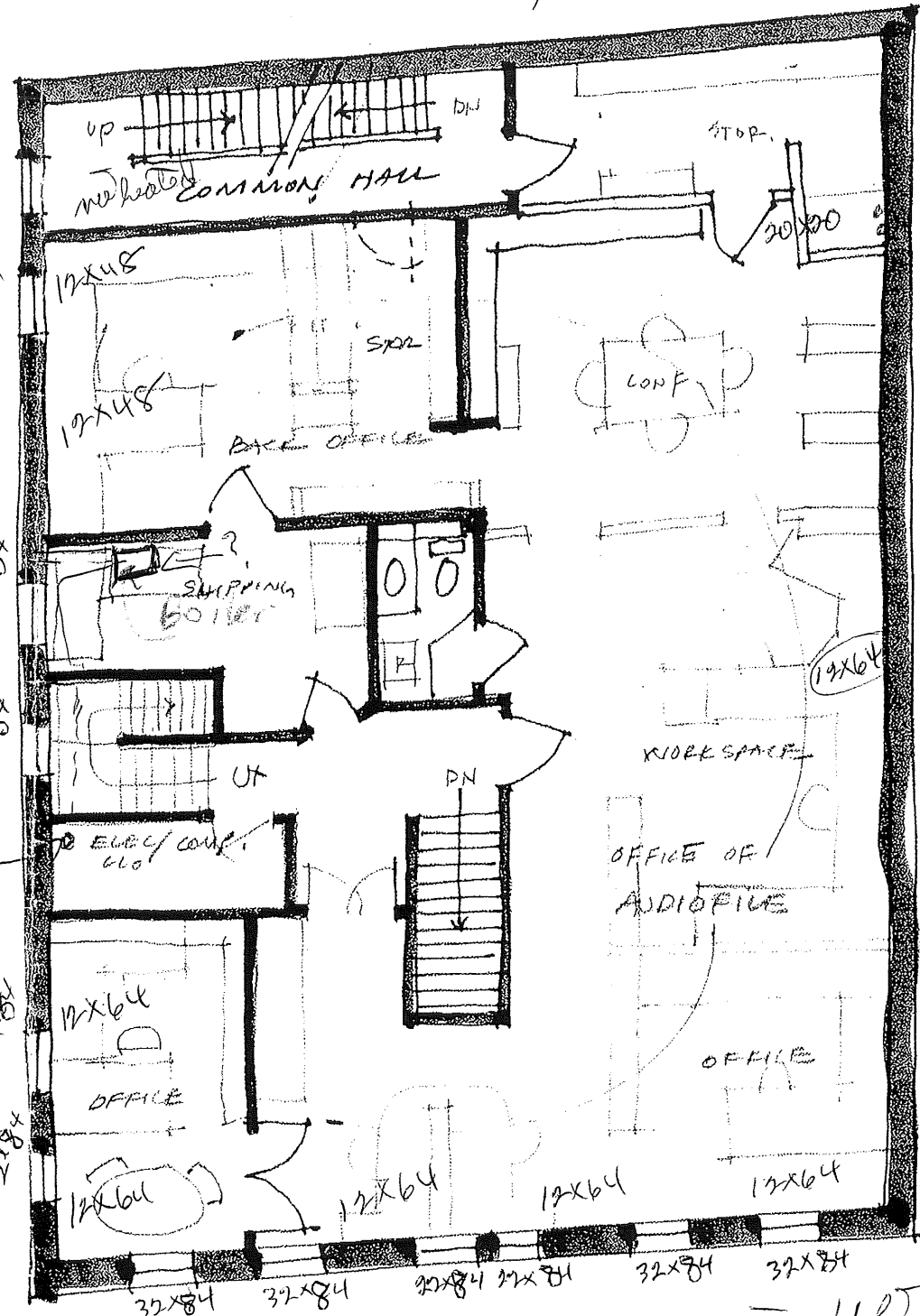
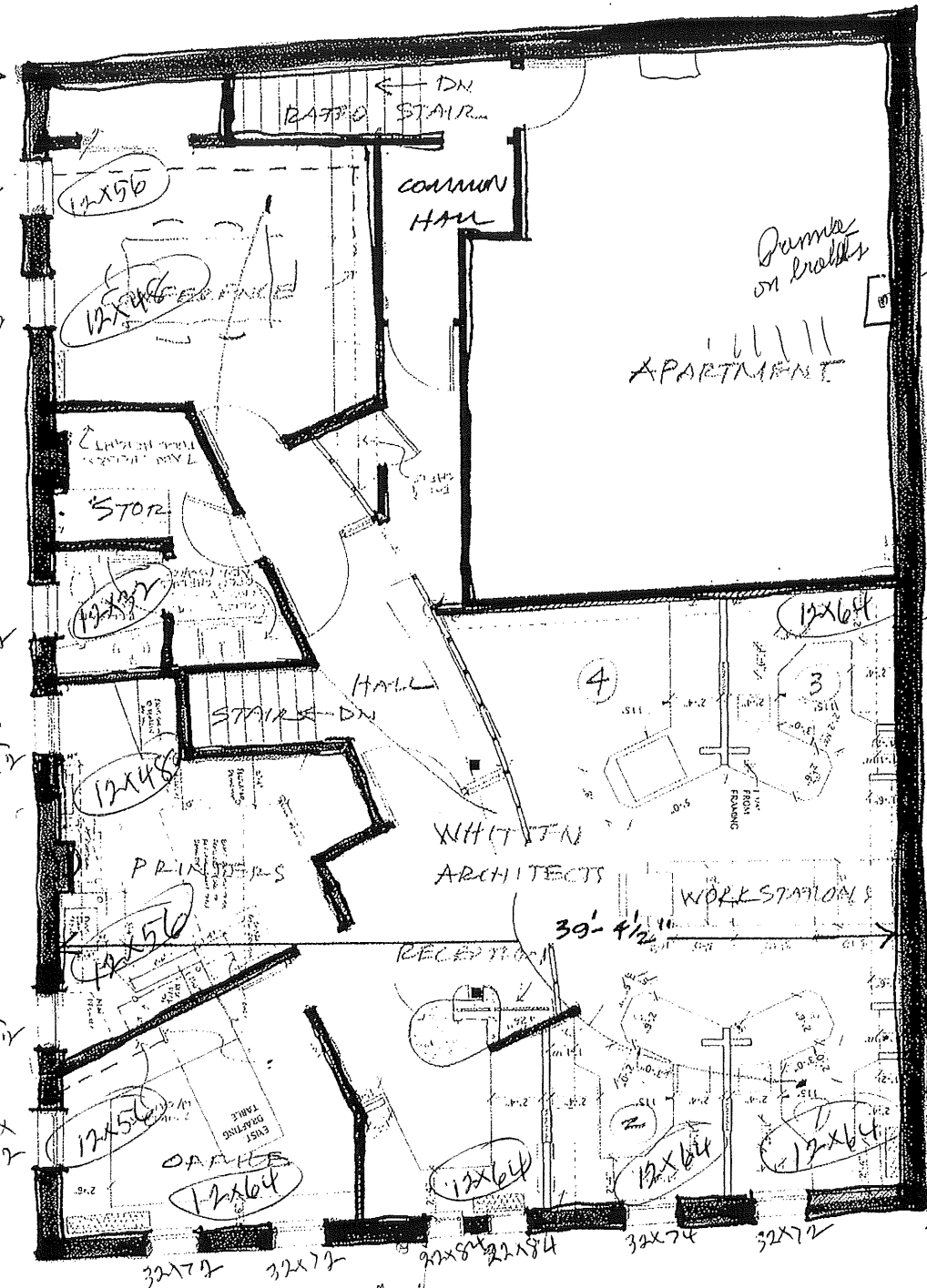
LAARS HT330

Thanks

John T.

874-8716

6 mills St, JAMES PCH



10 of Jinska in THIRD FLOOR

no wall insulation 3 covers brick
 single pane window double hung
 2" cellulose insulation-roof

SECOND FLOOR
 AUDIOFILE 2007

112 ceiling
 - double hung - new
 single pane
 - 3 covers brick

SCALE: 1" = 8'-0"
 DATE: 7-8-08

IMPROVEMENTS @ 37 SILVER ST, PORTLAND MAINE
 WHITTEN ARCHITECTS - 37 SILVER ST PH. 774-0111 FAX 774-1668