

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 08-0637	Issue Date:	CBL: 020 B017001
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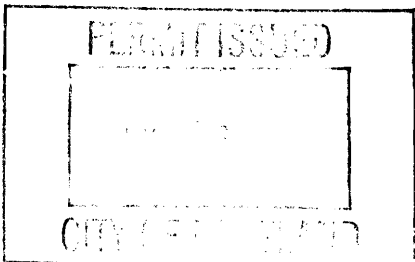
Location of Construction: 97 NEWBURY ST	Owner Name: GRAVES ELIZABETH S	Owner Address: 97 NEWBURY ST	Phone:
Business Name:	Contractor Name: Mike MacDonald Heating Service	Contractor Address: 87 Penn Ave South Portland	Phone: 2073187079
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-2b

Past Use: Residential	Proposed Use: Residential - New Peerless boiler in basement	Permit Fee: \$130.00	Cost of Work: \$10,164.12	CEO District: 1
		FIRE DEPT: N/A <input type="checkbox"/> Approved <input type="checkbox"/> Denied 2 Family	INSPECTION: Use Group: U Type: HVAC IAC 2003	

Proposed Project Description: New Peerless boiler in basement	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: 06/06/2008	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 Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Denied	<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>Historic Preservation</p> <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
	<p>Date: 6/9/08</p>	<p>Date:</p>	<p>Date:</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 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: 07-0051	Date Applied For: 01/12/2007	CBL: 020 B017001
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Location of Construction: 97 NEWBURY ST	Owner Name: Elizabeth Graves	Owner Address: 97 NEWBURY ST	Phone:
Business Name:	Contractor Name: Scott LeClair	Contractor Address: 53 Boyton Road Buckston	Phone: (207) 590-5039
Lessee/Buyer's Name	Phone:	Permit Type: Change of Use - Dwellings	

Proposed Use: Commercial/ Residential - Change first floor to office, Relocate & rebuild stairs from 2nd & 3rd floor	Proposed Project Description: Change first floor to office, Relocate & rebuild stairs from 2nd & 3rd floor
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Previous Approval

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Ann Machado **Approval Date:** 01/17/2007

Note: With change of use from residential to office, needs to show two parking spaces and one for the remaining dwelling unit for a total of three. Site plan shows this. **Ok to Issue:**

- 1) With the issuance of this permit and the certificate of occupancy the use of the building will be office space on the first floor, a dwelling unit on the second floor and the third floor is vacant. A separate permit will have to be taken out when the use of the third floor is established.
- 2) 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:** Tammy Munson **Approval Date:** 02/09/2007

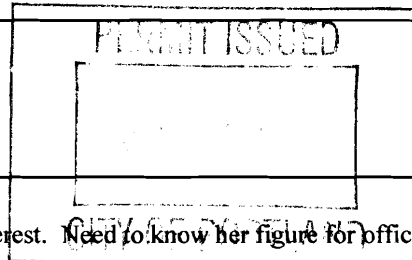
Note: **Ok to Issue:**

- 1) As discussed, 5/8" Type X drywall will be installed on all 1st floor ceiling surfaces.
- 2) The basement is NOT approved as habitable space.
- 3) Hardwired interconnected battery backup smoke detectors shall be installed in all bedrooms, protecting the bedrooms, and on every level.
- 4) Permit approved based on the plans submitted and reviewed w/owner/contractor, with additional information as agreed on and as noted on plans.
- 5) Separate permits are required for any electrical, plumbing, or HVAC systems. Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved **Reviewer:** Jay Kelley **Approval Date:** 01/18/2007

Note: **Ok to Issue:**

- 1) maintain all life safety issues within this building
- 2) Build stairs to code



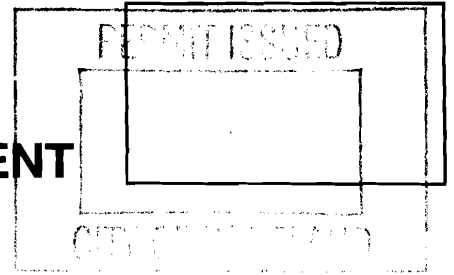
Comments:

1/16/2007-amachado: Left message for Betsy Graves. Need right, title & interest. Need to know her figure for office space, Parking plan notes, there seems to be a tree in the way.



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 20 B17 Use of Building Rental Date 6/6/08
 Name and address of owner of appliance Betsy Graves 97 Newbury St. Portland Me. 04101
 Installer's name and address Mike McDonald Heating Service 160 Fellows St So. Portland, Me. 04106 Telephone (207) 318-7079

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

Peerless

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 # JY30010292/MS2000498
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

Metal Paul Pickett
 Factory Built U.L. Listing # _____

Direct Vent
 Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

JUN - 6 2008

Size of Tank 275 Gallon

Number of Tanks 1

Distance from Tank to Center of Flame 30(?) feet.

Cost of Work: \$ 10164.12

Permit Fee: \$ 130

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer

Mike McDonald

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Business Name:	Contractor Name: Mike MacDonald Heating Service	Contractor Address: 87 Penn Ave South Portland	Phone: (207) 318-7079
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Residential - New Peerless boiler in basement	Proposed Project Description: New Peerless boiler in basement
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 06/09/2008

Note: **Ok to Issue:**

- 1) This property shall remain an office space on the first floor, one dwelling unit on the second floor and a vacant third floor where no use has been established. Any change of use shall require a separate permit application for review and approval. A SEPARATE PERMIT WILL HAVE TO BE TAKEN OUT BEFORE THE THIRD FLOOR CAN BE USED.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

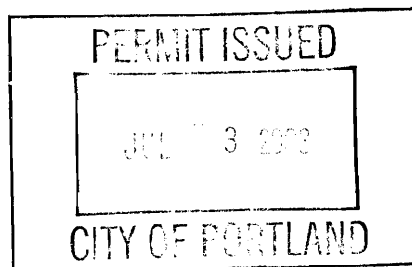
Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 07/03/2008

Note: **Ok to Issue:**

- 1) All penetrations between dwelling units and dwelling units and common areas shall be protected with approved firestop materials, and recessed lighting/vent fixtures shall not reduce the (1 hour) required rating.

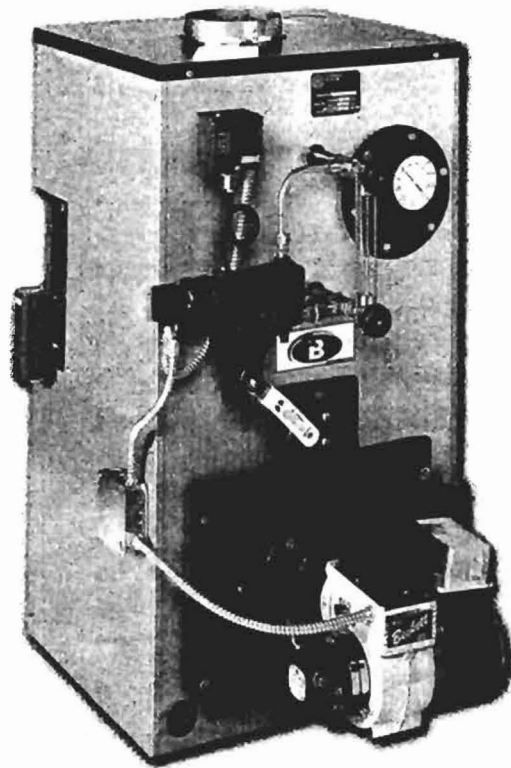
Comments:

6/9/2008-mes: see permikt #07-0051 for uses and previous approvals.



Series **EC/ECT**

Oil Boilers



CHANGE FOR THE
BETTER WITH
ENERGY STAR

As an ENERGY STAR® Partner, PB Heat, LLC has determined that certain firing rates of this product meet the ENERGY STAR® guidelines for energy efficiency.

Installation, Operation & Maintenance Manual



PeerlessBoilers.com

BURNER SETUP & BOILER OPERATION

Table 5.1: Carlin Burner Specifications

CARLIN BURNER SPECIFICATIONS							
Boiler Model No.	Firing Rate	Burner Model No.	Air Shutter	Nozzle Size	Pump Pressure	Start-up Settings Air Band	Head Bar
EC/ECT-03-075	.75	EZ-1HP	Blank	0.60 70° B DEL ³	150 psig	0.55	0.60 - 0.65
EC/ECT-03-100	1.00	EZ-1HP	Blank	0.85 70° A DEL	150 psig	0.65	0.85 - 1.00
EC/ECT-03-120	1.20	EZ-1HP	Blank	1.00 70° A DEL ³	150 psig	0.80	0.85 - 1.00
Boiler Model No.		Burner Model No.	Air Shutter	Nozzle Size	Pump Pressure	Start-up Settings	
						Head Dim. A	Air Band
EC/ECT-04-125	99FRD		Blank	1.00 x 70° B DEL ³	150 psig	2	40% open
EC/ECT-04-150	99FRD		Blank	1.25 x 60° B DEL ³	150 psig	3	60% open
EC/ECT-04-175	99FRD		Blank	1.50 x 60° B DEL	150 psig	4	100% open
EC/ECT-05-175	99FRD		Open	1.50 x 60° B HAGO ³	150 psig	5	10% open
EC/ECT-05-200	99FRD		Open	1.65 x 60° B HAGO	150 psig	5	45% open
EC/ECT-05-250	99FRD		Open	2.00 x 60° B HAGO ³	150 psig	8	100% open
EC/ECT-06-275	102CRD		Open	2.25 x 60° B DEL ³	150 psig	6	100% open
EC/ECT-06-300	102CRD		Open	2.50 x 60° B DEL	150 psig	8	100% open

Table 5.2: Beckett Burner Specifications

BECKETT BURNER SPECIFICATIONS (140 psig Pump Pressure)							
Boiler Model No.	Burner Model No.	Burner Head	Static Plate	Nozzle Size	Start-up Settings		Head Setting
					Air Shutter	Air Band	
EC/ECT-03-075	AFG-L1 ¹	L1 ¹	3-3/8"	0.65 60° B HAGO ³	9.0	2	N/A
EC/ECT-03-100	AFG-L1	L1	3-3/8"	0.85 60° B HAGO	10.0	1	N/A
EC/ECT-03-120	AFG-L1	L1	— ²	1.00 60° B HAGO ³	9.0	2	N/A
EC/ECT-04-125	AFG-F6	F6	2-3/4"	1.10 80° A DEL ³	5.0	1	N/A
EC/ECT-04-150	AFG-F6	F6	2-3/4"	1.25 80° B HAGO	8.0	1	N/A
EC/ECT-04-175	AFG-F6	F6	2-3/4"	1.50 80° B HAGO ³	10.0	3	N/A
EC/ECT-05-175	AFG-MV1	M-V1-3	—	1.50 60° B HAGO ³	10.0	3	3
EC/ECT-05-200	AFG-MV1	M-V1-3	—	1.75 60° B HAGO	10.0	9	3
EC/ECT-05-250	AFG-MV1	M-V1-5	—	2.00 45° B HAGO ³	10.0	5	5
EC/ECT-06-275	CF-375	L1-S	—	2.25 45° P HAGO ³	10.0	6	2
EC/ECT-06-300	CF-375	L1-S	—	2.50 45° P HAGO	10.0	6	3

Table 5.3: Riello Burner Specifications

RIELLO BURNER SPECIFICATIONS						
Boiler Model No.	Firing Rate	Burner Model No.	Nozzle Size	Pump Pressure	Start-Up Settings	
					Turbulator	Air Damper
EC/ECT-03-075	.75	F5	0.60 60° B DEL ³	155 psig	0.5	2.1
EC/ECT-03-100	1.00	F5	0.85 60° W DEL ³	145 psig	2.0	2.6
EC/ECT-03-120	1.20	F5	1.00 60° W DEL	145 psig	3.0	2.9
EC/ECT-04-125	1.25	F5	1.00 60° W DEL	155 psig	2.5	3.4
EC/ECT-04-150	1.50	F10	1.25 60° B DEL ³	145 psig	1.5	3.1
EC/ECT-04-175	1.75	F10	1.35 60° B DEL	165 psig	2.0	2.5
EC/ECT-05-175	1.75	F10	1.35 60° B DEL ³	165 psig	2.0	2.5
EC/ECT-05-200	2.00	F10	1.50 60° B DEL	170 psig	2.5	2.8
EC/ECT-05-250	2.50	F10	2.00 60° B DEL ³	155 psig	3.5	4.2
EC/ECT-06-275	2.75	F10	2.25 60° B DEL ³	150 psig	4.0	4.2
EC/ECT-06-300	3.00	F10	2.50 60° B DEL	145 psig	4.5	4.2

Factory Installed Nozzles (Packaged Boilers or Burner Cartons) are indicated in **Boldface**.

1 Requires Low Firing Rate Baffle

2 Remove Static Plate for 1.20 GPH Rate

3 Shipped Loose with Packaged Boiler or Burner Carton

7. BOILER DIMENSIONS & RATINGS

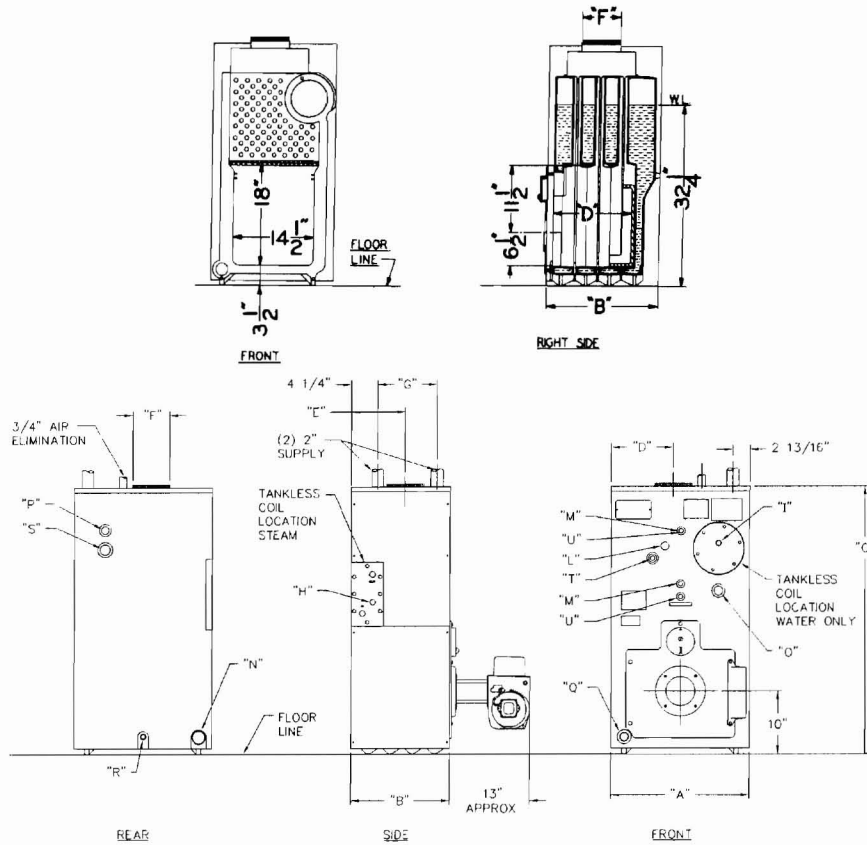


Figure 7.1: Boiler Dimensions / Purpose of Tappings

DIMENSIONS							
Boiler Model	Jacket			Length of Fire Box "D"	Rear of Jacket to Flue "E"	Flue Outlet Diameter "F"	Distance Between Tappings "G"
	Width "A"	Depth "B"	Height "C"				
EC/ECT-03	22-1/2"	15-3/4"	42"	10"	8-3/4"	6"	9-1/16"
EC/ECT-04	22-1/2"	19-15/16"	42"	14-3/16"	10-7/8"	7"	13-1/4"
EC/ECT-05	22-1/2"	24-1/8"	42"	18-3/8"	13"	8"	17-7/16"
EC/ECT-06	22-1/2"	28-5/16"	42"	22-9/16"	15-1/16"	9"	21-5/8"

* Dimensions are approximate.

TAPPING LOCATIONS			
Location	Size NPT	Water	Steam
H	3/4"	N/A	Low Limit Control
I	3/4"	Limit Control	Pressure Gauge
L	1/4"	Temperature-Pressure Gauge	Limit Control
M	1/2"	N/A	Gauge Glass and Low Water Cut-Off
N	2"	Optional Return	Return
O	3/4"	Secondary Probe Low Water Cut-Off	Secondary Probe Low Water Cut-Off
P	3/4"	Safety Relief Valve	Safety Valve
Q	1-1/4"	Return	N/A
R	3/4"	Drain Valve	Drain Valve
S	1-1/2"	Optional High Limit	Skim
T	3/4"	N/A	Primary Probe Low Water Cut-Off
U	1/2"	N/A	Gauge Glass w/ Probe LWCO