DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT



This is to certify that **JEANNE B& DELICATA**

Located At 115 WILLIAM

Job ID: 2011-03-568-HVAC

CBL: 081 - - A - 003 - 001 - - - - -

has permission to Install a replacement HVAC system.

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

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY.
PENALTY FOR REMOVING THIS CAR

PERMIT ISSUED

MAR 15 20

City of Portland

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-03-568-HVAC	Date Applied: 3/9/2011	-	CBL: 081 A - 003 - 00	1		
Location of Construction: 115 WILLIAM ST	Owner Name: JEANNE B & DELICAT	A	Owner Address: 115 WILLIAM ST PORTLAND, ME			Phone:
Business Name:	Contractor Name: Avery Services, Avery Services		Contractor Addr 7 Thomas DR WE	ess: STBROOK, MAINE 04	092	Phone:
Lessee/Buyer's Name:	Phone:		Permit Type: HVAC - HVAC			Zone: R-5
Past Use: Two Family Dwelling Proposed Project Description	Proposed Use: SAME: Two Family To replace heating	_	Cost of Work: 9000.00 Fire Dept: Signature:	ApprovedPeniedN/A		Inspection: Use Group: Type: Type: Type: Signature:
113 William St. / HVAC		T	redesiriali Activ			
Permit Taken By: Gayle				Zoning Approv	al	
 This permit application Applicant(s) from meeti Federal Rules. Building Permits do not septic or electrial work. Building permits are voi within six (6) months of False informatin may in permit and stop all work 	include plumbing, id if work is not started the date of issuance. validate a building	Shorelar Wetland Flood Zo Subdivis Site Plan Maj Date: O	s one sion	Zoning Appeal Variance Miscellaneous Conditional Use Interpretation Approved Denied Date:	Not in Di Does not Requires Approved	

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.

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		_			*			•		_	_	7	-	

SIGNATURE OF APPLICANT	ADDRESS	DATE 1 5 2011	PHONE



electronic FILL IN AND SIGN WITH INK

3 4/11

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

MIT ISSUED

MAR 1 5 2017

081 A 003 City of Portland

To	the	INSPECTOR	OF BUIL	DINGS.	PORTLAND,	ME.
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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	
Name and address of owner of appliance LEO DELICAT	4
113 WILLIAM ST PORTHUD ME.	
Installer's name and address AVERY SERVICES INC.	77HOMAS DR. WESTBROOK ME
04092	Telephone 772 - 8687
Location of appliance:	Type of Chimney:
☐ Basement ☐ Floor	☑ Masonry Lined
☐ Attic ☐ Roof	Factory built
Type of Fuel:	☐ Metal
Ø Gas □ Oil □ Solid	Factory Built U.L. Listing #
Appliance Name: WEIL MCLAIN	☐ Direct Vent
U.L. Approved 🛱 Yes 🗔 No	Type UL#
Will appliance be installed in accordance with the manufacture's installation instructions? ▼ Yes □ No	Type of Fuel Tank Oil Gas MAR - 9 2011
IF NO Explain:	-
	Size of Tank Dept. of Building Inspections City of Portland Maine
The Type of License of Installer:	Number of Tanks
☐ Master Plumber #	
□ Solid Fuel #	Distance from Tank to Center of Flame feet.
□ Oil #	Cost of Work: \$ 8,350
□ Gas #PNT1439	Cost of Work: \$ 5.55
□ Other	Permit Fee: \$
Approved	Approved with Conditions
Fire:	☐ See attached letter or requirement
Ele.:	
Bldg.:	
Signature of Installer May B. Hell	Inspector's Signature Date Approved



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: <u>2011-03-568-HVAC</u> Located At: <u>115 WILLIAM</u> CBL: <u>081 - - A - 003 - 001 - - - - - -</u>

Conditions of Approval:

Zoning

- 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.
- 2. This property shall remain a two family dwelling. Any change of use shall require a separate permit application for review and approval.

Building

- 1. The installation must comply with the UL, Manufacturers Listing, and State of Maine gas regulations.
- 2. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
- 3. A photoelectric Carbon Monoxide (CO) detector shall be installed in each area within or giving access to bedrooms. That detection must be powered by the electrical service in the building and battery.

PERMIT ISSUED

MAR 15

City of Portland

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. Close-In (Electrical, Plumbing)
- 2. Final Inspection

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.

PERMIT ISSUED

/ MAR 1 5 201

City of Portland

HVAC Job Type:

Job Description: 113 William St. / HVAC Job Year:

2011

Building Job Status Code:

Initiate Plan Review

Pin Value: 839 **Tenant Name:**

Job Application Date:

Public Building Flag: N

Tenant Number:

Estimated Value:

9,000

Square Footage:

Property Owner

Related Parties:

JEANNE B DELICATA

GENERAL CONTRACTOR

Avery Services - Avery Services Avery Services

Job Charges

Fee Code Description Charge Amount **Permit Charge** Adjustment

Net Charge Amount

Payment Date

Receipt Number

Payment Amount

Payment Adjustment Amount

Net Payment Amount

Outstanding Balance

Location ID: 11678

Location Details

Alternate Id **Parcel Number** Census Tract GIS X GIS Y GIS Z GIS Reference Longitude Latitude Μ

081 A 003 001 D12510

-70.281427 43.663771

Address(es)

115 WILLIAM STREET WEST

Location Use Code Variance Code Use Zone Code Fire Zone Code Inside Outside Code District Code General Location Code Inspection Area Code Jurisdiction Code

TWO FAMILY

NOT APPLICABLE

Location Type Subdivision Code Subdivision Sub Code Related Persons

DISTRCIT 4

OAKDALE

Structure Details

Structure: WeilMcain gas heating system

Occupancy Type Code:

Structure Type Code Structure Status Type Square Footage Estimated Value

Address

Single Family

0

115 WILLIAM STREET WEST

Longitude Latitude GIS X GIS Y GIS Z GIS Reference

User Defined Property Value

Permit #: 20111781

Permit Data

Location Id **Structure Description** Permit Status Permit Description Issue Date Reissue Date Expiration Date

11678 WeilMcain gas heating system Initialized

Job Summary Report Job ID: 2011-03-568-HVAC

Report generated on Mar 10, 2011 10:43:12 AM

-	-	п	e	

Inspection Details								
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Sta	art Timestamp	Result Status Da	te Final Inspection Flag	=
			Fee	s Details				
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment P Amount	ayment Adjustment Amount	Payment Adj Comment
Job Valuation Fee	s \$110.00							

AVERY SERVICES, INC.

7 Thomas Drive WESTBROOK, MAINE 04092 (207) 772-8687

FAX (207) 874-0933

Leo Delicata TO: 115 William Street Portland ME 04103

PHONE 3/1/2011 775-2515 JOB NAME/LOCATION Boiler replacement MARTA RUSSELL 113 WILLIAM ST JOB NUMBER JOE PHONE RBH 4103448

We hereby submit specifications and estimates for

Avery Services is pleased to provide you a quote to replace your stem boiler. The scope of work is as follows:

Provide and install a Weil Mclain Peg-45 natural gas steam boiler.

Provide piping to attach to existing supply and return steam piping.

Provide and install a new programmable automatic water feed to add water to the builer

Supply a new gas line from existing gas piping to the new boiler.

Reconnect existing power wiring and low voltage wiring.

Install a new flue attaching to the existing chimney. A new chimney liner, or portion of a liner, may be required upon inspection by a chimney company. The new liner is not part of this contract.

Start up and test.

Exclusions: Adequacy of existing systems, electrical upgrades, and chimney liner installation if required.

INCUPED: RETURN TRIPS TO SKIM BOILER AND ENSURE PROPER FLACTIONING

We Propose hereby to furnish material and labor - complete in accordance with the above specifications, for the sum of

Eight Thousand Three Hundred Fifty and 00/100 Dollars

8,350.00

Payment to be made as follows.

\$2,793.00 upon acceptance - balance due upon completion

If payment is not made as outlined above, a service charge of 2% per month on the overdue balance plus all reasonable costs of collection. including attorney's fees will be paid.

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above sepcifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tomado, and other necessary insurance. Our workers are fully covered by Worker's Compensation insurance

Acceptance of Proposal - the above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Authorized Signature

> NOTE. This proposal may be withdrawn

days

PRES

Signature

Signature

Date of Acceptance 3.1 - 2011



EG - Gas Boiler Weil-McLain

Water or Steam, With Tankless Heater Option Natural Draft NAT'L or LP MBH: 75-300 Avg. Eff.: 83%

Net Load Range Hot Water 55,000 to 209,000 BTU/Hr. Steam 196 to 750 Sq. FT.

- **DURABLE AND HIGH EFFICIENT**
- **EASY TO INSTALL AND SERVICE**











- Add to boiler number "W" for water, "S" for steam, Add "SPD" to designator for boiler with standing pilot. Add "PID" to designator for boiler with intermittent electronic ignition system. For SPD models add "N" for natural gas, "L" for propane (propane not available for PID). Add "T" to designator for boiler with tankless heater openings. Add "P" to prefix for factory-assembled fire-tested package boiler (steam only sizes 30 thru 55). Example PEG-30-S-SPDN.
- Based on standard test procedures prescribed by the United States Department of Energy. Not I=B=R ratings are based on net installed radiation of sufficient quantity
- for the requirements of the building and nothing need be added for normal piping and pick-up. Water ratings are based on a piping and pick-up allowance of 135; steam ratings on an allowance of 1333. An additional allowance should be made for unusuel piping and pick-up loads. NOTE: EG boiler is CSA design certified for installation on non-combustible flooring only Tested for 50 PSI working-pressure. Not available for

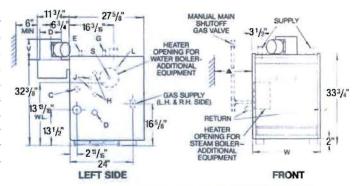
Dimensions

		Numb	er & Size	Din	nensions-Inc	hes]	Minimum Re	commended Pi	pe Sizes
Γ	Model	Supply (NPT)	Return (NPT)	D	l v	W	Gas Connection Size* Natural & Propane	Forced Water Supply & Return**	Steam Riser & Header***	Steam Equalize
	EG-30	2-3"	2-21/2"	5"	6"	17"	1/2"	1"	2"	11/2"
	EG-35	2-3"	2-21/2"	5"	6"	17"	1/2"	1"	2"	11/2"
	EG-40	2-3"	2-21/2"	6"	61/2"	211/4"	1/2"	11/4"	21/2"	11/2"
-	EG-45	2-3"	2-21/2"	6"	61/2"	211/4"	1/2"	11/4"	21/2"	11/2"
	EG-50	2-3"	2-21/2"	7"	9"	251/2"	1/2"	11/4"	21/2"	11/2"
	EG-55	2-3"	2-21/2"	7"	9"	251/2"	1/2"	11/2"	3"	11/2"
	EG-65	2-3"	2-21/2"	8"	91/2"	293/4"	3/4"	11/2"	3"	11/2"
	EG-75	2-3"	2-21/2"	8"	91/2"	34"	3/4"	2"	3"	11/2"

** All supply and return sizes are based on a 20°F temperature rise through the boiler

* 24" minimum from water line to header

Location	Size	Steam	Water
C	3/4"	Electrode-Type-Low-Water Cutoff	Plugged
D	3/4"	Drain	Drain
E	3/4"	Safety Valve	Safety Relief Valve
G	3/4"	Plugged	Piping to Compression Tank or Auto. Air Vent
Н	1/4"	Gauge Glass and/or Low-Water Cutoff	Plugged
J*	3/8"	Try Cock Tappings	
L	1/4"	Syphon, Pressure Gauge, High-Limit Control	Combination Pressure-Temperature Gauge
S Steam	11/2"	Skim Tapping	_
S Water	3/4" y on special requ	_	Limit Control



Standard and Optional Equipment

Standard Equipment:

Limited Lifetime Warranty on Water Boiler Sections: 10 Years On Steam Boiler Sections Factory-Assembled Section Block Insulated Extended Jacket Horizontal to Vertical Draft Hood Automatic Vent Damper (additional for EG-75) Combination Gas Valve for 24 Volt Non-Linting Pilot Burner Stainless Steel Burners Electrical Junction Box Spill Switch Rollout Thermal Fuse Element **Water Bollers Only:** Built-in-Air Separator 30 PSI ASME Relief Valve (boiler sections tested for 50 PSI working pressure) Combination Pressure-Temperature Gauge **High-Limit Control** 40VA Transformer With Receptacle for **Circulator Relay**

Steam Boilers Only:

15 PSI ASME Relief Valve (boiler sections tested for 15 PSI working pressure) High-Limit Pressure Control Low Water Cutoff-Electrode Type **40VA Transformer** Steam Pressure Gauge Syphon Gauge Cocks and Glass

High Efficiency model-SPD:

Constant Burning, Thermally Supervised **Pilot System** Thermocouple

Highest Efficiency model-PID: Intermittent Electronic Ignition System with Weil-McLain UCM Universal Ignition Control Module

Optional Equipment:

Package Steam Boiler-Factory-Assembled and Fire-Tested (P-EG-30 thru 55 only) Left End Section with Openings for **Tankless Heaters** Tankless Heaters, Heater Cover Plates, and Controls Automatic Vent Damper for EG-75 with Electronic Ignition **Gas Conversion Kits**





In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specifications without notice

Plug-in Circulator Relay

Read this page first

Hazard definitions

The following defined terms are used throughout this manual to bring attention to the presence of hazards of various risk levels, or to important information concerning the life of the product.

DANGER

Indicates presence of hazards that will cause severe personal injury, death or substantial property damage.

WARNING

Indicates presence of hazards that can cause severe personal injury, death or substantial property damage.

CAUTION

Indicates presence of hazards that will or can cause minor personal injury or property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance that are important but not related to personal injury or property damage.

WARNING

Read all instructions before installing. Failure to follow all instructions in proper order can cause severe personal injury, death or substantial property damage.

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury, exposure to hazardous materials, or loss of life. Refer to the User's Information Manual provided with this boiler. Installation and service must be performed by a qualified installer, service agency or the gas supplier who must read and follow the supplied instructions before installing, servicing or removing this boiler. This boiler contains possibly carcinogenic, to humans.

NOTICE

When calling or writing about the boiler: Please have the boiler model number from the boiler rating label and the CP number from the boiler jacket. You may list the CP number in the space provided on the **Installation and Service Certificate** found on page 24.

NOTICE

EG and EGH boilers for tankless or storage heater application are available only on special order as factory-installed optional equipment. Tankless heater cannot be added to standard block assembly. Block assembly must be ordered with heater openings. Standard boilers cannot be adapted for heater use.

WARNING

Failure to adhere to the guidelines below can result in severe personal injury, death or substantial property damage.

When servicing boiler -

- The boiler contains ceramic fiber and fiberglass materials. Use care when handling these materials per instructions on page 25 of this manual. Failure to comply could result in severe personal injury.
- 2. To avoid electric shock, disconnect electrical supply before performing maintenance.
- To avoid severe burns, allow boiler to cool before performing maintenance.

Boiler operation -

- Do not block flow of combustion or ventilation air to boiler.
- Should overheating occur, turn off or disconnect electrical supply to boiler and shut off the gas supply at a location external to the appliance, if possible.
- 6. Do not use this boiler if any part has been under water. Immediately call a qualified service technician to inspect the boiler and to replace any part of the control system and any gas control that has been under water.

Boiler water -

- 7. DO NOT use petroleum-based cleaning or sealing compounds in boiler system. Water seal deterioration will occur, causing leakage between boiler sections, circulator flanges, diaphragm tanks or other system components. This can result in substantial property damage.
- DO NOT use "homemade cures" or "boiler patent medicines". Serious damage to boiler, personnel and/or property may result.
- Continual fresh makeup water will reduce boiler life. Mineral buildup in sections reduces heat transfer, overheats cast iron, and causes section failure. Addition of oxygen and other gases can cause internal corrosion. Leaks in boiler or piping must be repaired at once to prevent makeup water.
- 10. Do not add cold water to hot boiler. Thermal shock can cause sections to crack.

Contents

Codes and Checklist	Start-up
Prepare boiler location 4	Handling fiberglass and ceramic fiber
Prepare the boiler	materials
Connect piping — water boilers 11	Service and maintenance26
Connect piping — steam boilers 14	Replacement parts — EG/PEG30
nstall boiler controls	Replacement parts — EGH 32
Connect piping — tankless heater 18	Dimensional data
Connect gas supply piping19	Ratings35
Connect field wiring to boiler 20	Standard and optional equipment 36

Codes & Checklist

Installation must follow these codes:

- Local codes, laws, provincial and national codes, laws, regulations and ordinances
- National Fuel Gas Code ANSI Z223.1- latest edition
- Standard for Controls and Safety Devices for Automatically Fired Boilers, ANSI/ASME CSD-1, when required
- · National Electric Code

The equipment shall be installed in accordance with those installation regulations in force in the local area where the installation is to be made. These shall be carefully followed in all cases. Authorities having jurisdiction shall be consulted before installations are made.

Canadian installations must comply with CAN/CSA B149.1 or B149.2 Installation Codes.

Commonwealth of Massachusetts

When the boiler is installed within the Commonwealth of Massachusetts:

- This product must be installed by a licensed plumber.
- If antifreeze is used, a reduced pressure back-flow preventer device shall be used.

Certification

NOTICE

Safe lighting and other performance criteria were met with the gas manifold and control assembly provided on boiler when boiler underwent tests specified in ANSI Z21.13-latest edition.

Before locating the boiler:

- ☐ Check for nearby connection to:
 - · Venting connections
 - · Gas supply piping
 - Electrical power
- Check area around boiler. Remove any combustible materials, gasoline and other flammable liquids.

WARNING

Failure to keep boiler area clear and free of combustible materials, gasoline and other flammable liquids and vapors can result in severe personal injury, death or substantial property damage.

3

- ☐ Boiler must be installed so that gas control system components are protected from dripping or spraying water or rain during operation or service.
- If new boiler will replace existing boiler, check for and correct system problems, such as:
- System leaks causing oxygen corrosion or section cracks from hard water deposits.

Part Number 550-110-639/0706

Prepare boiler location

Service clearances

- Provide minimum clearances for cleaning and servicing the boiler and for access to controls and components as listed in the table at right.
- Provide at least screwdriver clearance to jacket front panel screws for removal of front panel for inspection and minor service. If unable to provide at least screwdriver clearance, install unions and shutoff valves in system so boiler can be moved for servicing.

Combustible material clearances

General

- See Table 1 for clearances to boiler and system components.
- Clearances to Type B vent materials are as specified by the vent manufacturer.

Alcove (not closet) installations only

WARNING

EG and PEG boilers are not approved for closet installation.

EG and PEG boilers are approved for **alcove** installation, with minimum clearances to combustible surfaces as shown in Table 1. See Figure 1. The front side must be completely open — that is, a three-walled room.

EGH boilers are not approved for alcove or closet installation.

Figure 1 Alcove installation (EG & PEG only)

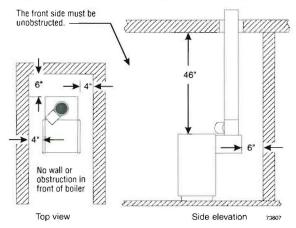


Table 1 Service and combustible materials clearances

Clearance for service	Minimum
Clearance to boiler jacket	
Top (for cleaning flueways)	46"
Front (for access to controls and components)	18"
Back	6"
Left side (for cleaning and servicing)	24"
Right side	6"

Clearance to combustible materials	Minimum
Clearance to boiler jacket	
Тор	46"
Front (provide means of access)	3"
Back	6"
Left side (provide means of access)	4"
Right side	4"
Clearance to piping and vent components	
Water and steam pipes	1/2"
Vent pipe (other than Type B vent)	6"
Type B vent piping	Per B vent manufacturer
Vent damper	6"

EGH installations

- Provide the clearances for service listed on this page.
- Install in a space that is large in comparison to the size of the boiler (see National Fuel Gas Code for details).
- Provide minimum 24 inches between sides and top of EGH boilers to any combustible wall or ceiling.

Residential garage installations

Take the following special precautions when installing the boiler in a residential garage. If the boiler is located in a residential garage, per ANSI Z223.1:

- Mount the boiler a minimum of 18 inches above the floor of the garage to assure the burner and ignition devices will be no less than 18 inches above the floor.
- Locate or protect the boiler so it cannot be damaged by a moving vehicle.

4