

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 09-1072	Issue Date:	CBL: 433 D010001
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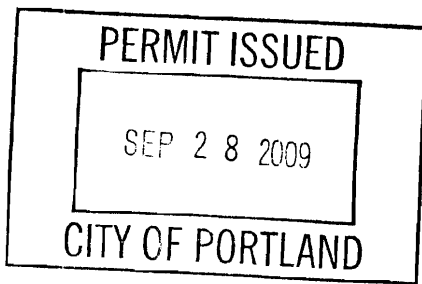
Location of Construction: 24 VAILL ST	Owner Name: KENDEIGH JASON P & SUSAN	Owner Address: 26 VAILL ST	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone 2077728687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Single Family Home	Proposed Use: Single Family Home - install a Endurance modulating gas-fired boiler	Permit Fee: \$70.00	Cost of Work: \$4,868.00	CEO District: 4
Proposed Project Description: install a Endurance modulating gas-fired boiler		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type:	
		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: Ldobson	Date Applied For: 09/28/2009	Zoning Approval		
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland	<input type="checkbox"/> Variance	<input type="checkbox"/> Not in District or Landmark
<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does Not Require Review
<input type="checkbox"/> Flood Zone	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
<input type="checkbox"/> Site Plan	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date:	Date:	Date:



CERTIFICATION

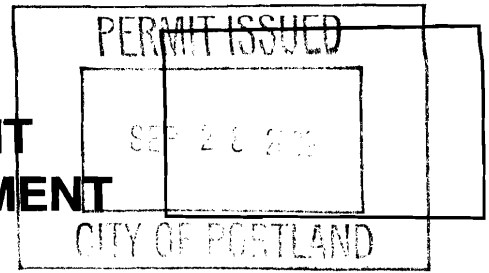
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 26 VAIL ST. Use of Building SINGLE FAMILY Date 9/28/09

Name and address of owner of appliance JASON KENDEIGH 26 VAIL ST. PORTLAND ME

Installer's name and address AVERT SERVICES WL. 7 THOMAS DR. WESTBROOK ME 04092

Rob Hall Telephone (207) 772-8687

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: TELEDYNE LAARS

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 # PNT1439
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type CONCENTRIC

Type of Fuel Tank

- Oil
- Gas

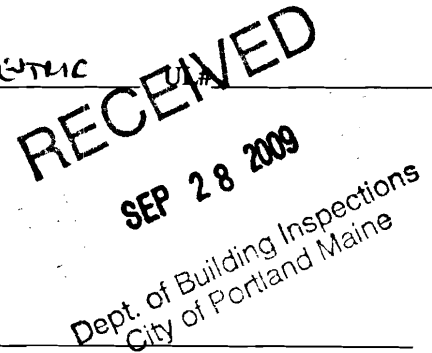
Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 4868

Permit Fee: \$ 70



Approved

Fire: _____

Ele.: _____

Bldg.: _____

Signature of Installer Rob Hall

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

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Location of Construction: 24 VAILL ST	Owner Name: KENDEIGH JASON P & SUSAN K	Owner Address: 26 VAILL ST	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone (207) 772-8687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home - install a Endurance modulating gas-fired boiler	Proposed Project Description: install a Endurance modulating gas-fired boiler
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Dept: Zoning **Status:** Approved **Reviewer:** Tom Markley **Approval Date:** 09/28/2009

Note: **Ok to Issue:**

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

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tom Markley **Approval Date:** 09/28/2009

Note: **Ok to Issue:**

- 1) The installation must comply with the State of Maine Gas Regulations.
- 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.

PROPOSAL

155

AVERY SERVICES, INC.
7 Thomas Drive
WESTBROOK, MAINE 04092
(207) 772-8687

FAX (207) 874-0933

TO: Jason Kendeigh
26 Vail St.
Portland, ME 04101

PHONE 552-6235	DATE 9/23/02
JOB NAME / LOCATION Boiler Change-Out	
JOB NUMBER CIA-230437	JOB PHONE

We hereby submit specifications and estimates for:

Avery Service's Inc. is pleased to submit a quote on replacing your existing oil fired boiler with a gas fired boiler.
Scope of work as follows:

Dismantel and remove your existing oil fired boiler and oil tank.

Provide and install a Laars (Endurance) combination gas fired hydronic boiler and hot water heater. Reconnect to your existing zone valves at the boiler. Install a direct vent side wall flue.

Provide and install a gas run from the regulator (provide by others) to the boiler with three additional line taps for other appliances.

Start & test.

EBP-110
E02H00705

EXCLUSIONS: Adequacy of existing, structural, plumbing, and soffiting.

#check
296
1200 JJK


We Propose hereby to furnish material and labor — complete in accordance with the above specifications, for the sum of: **4,868.00**,
Four Thousand Eight Hundred Sixty Eight and 00/100 Dollars dollars (\$

Payment to be made as follows:

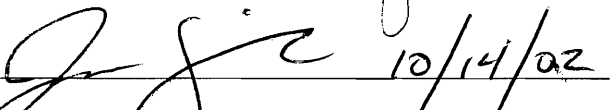
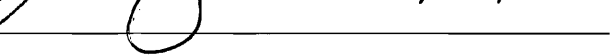
25% Upon acceptance - Progress billing/ net 10 days - balance on completion.

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 specifications 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, tornado, and other necessary insurance. Our workers are fully covered by Worker's Compensation insurance.

Authorized Signature  PRESIDENT
Note: This proposal may be withdrawn by us if not accepted within **Thirty** days.

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.

Signature  10/14/02
Signature 

Date of Acceptance: 10/12/02

 To Reorder:
900-225-6380 or nebs.com

ENDURANCE™

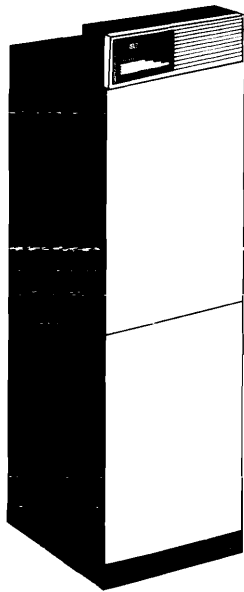
Modulating Gas-Fired Boiler

EDP	Space Heating Boiler
EDN	Non-ferrous Space Heating Boiler
EBP	Space/Water Heating Boiler

Indoor Sizes 110 and 175

Submittal Data **LAARS**
Heating Systems 

Standard Equipment



- Design certified and tested to ANSI standard Z21.13
- Designed and constructed in accordance with the ASME Boiler & Pressure Vessel Code, Sections II, IV, and IX
- Maximum working pressure – water 30 psi, ASME rated
- Hydrostatic test pressure at factory – 60 psi
- Natural or propane gas
- Minimum gas supply pressure – 4" w.c.
- Maximum gas supply pressure – 13" w.c.
- 85+% A.F.U.E.
- Sealed stainless steel combustion chamber
- Hot surface ignition
- Automatic burner modulation from 57% to full fire
- NOx levels less than 25ppm
- Venting – Direct vent (sealed combustion with ducted combustion air in concentric vent) or Category III
- Design certified for installation directly on a combustible floor (except carpeting)
- One-inch clearance on all 4 sides
- Zero clearance from combustibles to the vent when concentric venting is used
- Electrical: 115V-60HZ – 1PH less than 15 Amps with 24V transformer mounted and wired
- Outdoor reset with the addition of outdoor air sensor (limited temperature range available for EBP models)
- Control overrides outdoor reset when air sensor is faulty
- Easy-to-use viewing and programming menus
- 3-character alphanumeric display of temperatures and fault codes
- Displays fault codes for supply sensor, return sensor, tank sensor (EBP only), outdoor air sensor, internal control, and lockout
- Displays 6 temperatures: supply water, return water, tank water (EBP only), heat exchanger temperature rise, outdoor air temperature (when outdoor reset is used), and calculated setpoint (when outdoor reset is used)
- Control LEDs indicate pump energized, attempt to ignite and gas valve energized
- Ignition control LEDs show faults for erroneous flame signal, internal error and lockout
- Low water temperature feature – attempts to run the pump when supply water temperature falls below 39°F (4°C)
- Built-in circulating pump and by-pass loop
- Equipped with anti-condensing controls
- Pump exerciser to ensure pump remains free from corrosion
- Built-in safety limit
- Copper finned, cylindrical tube design heat exchanger brazed into ASME bronze headers
- EBP units store 20 gallons of boiler water to provide instantaneous domestic hot water production through a brazed plate heat exchanger, with DHW priority
- 20 Year limited warranty

Clearances

Minimum Clearances from Combustible Materials

Back	1 inch	25mm
Left Side	1 inch	25mm
Right Side	1 inch	25mm
Front	1 inch	25mm
Top (Alcove Install)	1 inch	25mm
Top (Closet Install)*	22 inches	559mm
Vent: Concentric, Direct	0 inch	0mm
Vent: Category IV	3 inches	76mm

*Minimum closet height 6'9" (206cm)

Suggested Serviceability Clearances

Front	18 inches	457mm
Left Side	6 inches	152mm
Right Side	6 inches	152mm

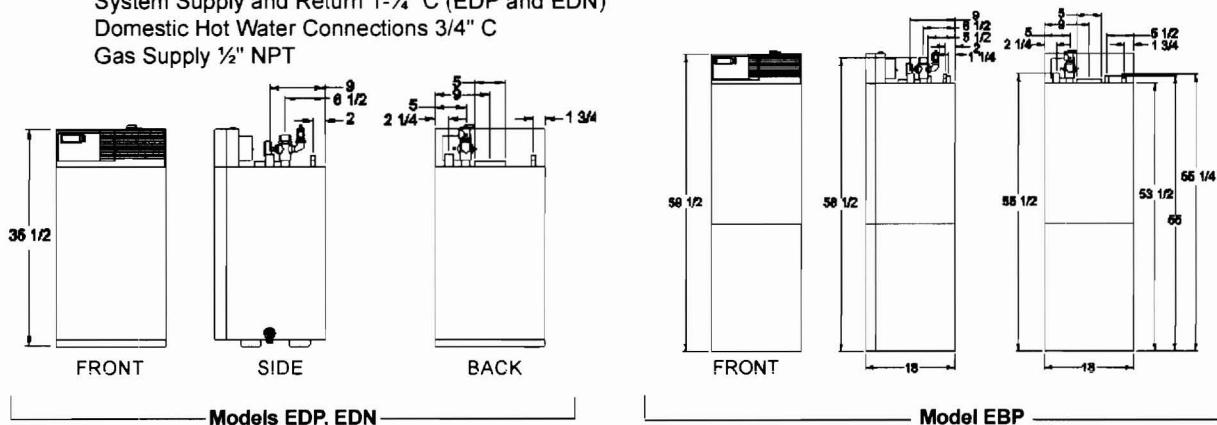
Specifications

Model	Input		Output		AFUE %	Contin. GPH@ 100°F Rise	Inter.DHW Output @77°F Rise	NOx Levels ppm
	MBTU/h	kW	MBTU/h	kW				
EBP 110	61.8 to 108.2	18.1 to 31.7	53.7 to 94.0	15.7 to 27.5	85.5	114	4 gpm	<25
EBP 175	102.9 to 175.3	30.1 to 51.4	88.6 to 151.0	25.4 to 44.2	86.1	183	5 gpm	<25
EDN 110	61.8 to 108.2	18.1 to 31.7	53.7 to 94.0	15.7 to 27.5	85.5	N/A	N/A	<25
EDN 175	102.9 to 175.3	30.1 to 51.4	88.6 to 151.0	25.4 to 44.2	86.1	N/A	N/A	<25
EDP 110	61.8 to 108.2	18.1 to 31.7	53.7 to 94.0	15.7 to 27.5	85.5	N/A	N/A	<25
EDP 175	102.9 to 175.3	30.1 to 51.4	88.6 to 151.0	25.4 to 44.2	86.1	N/A	N/A	<25

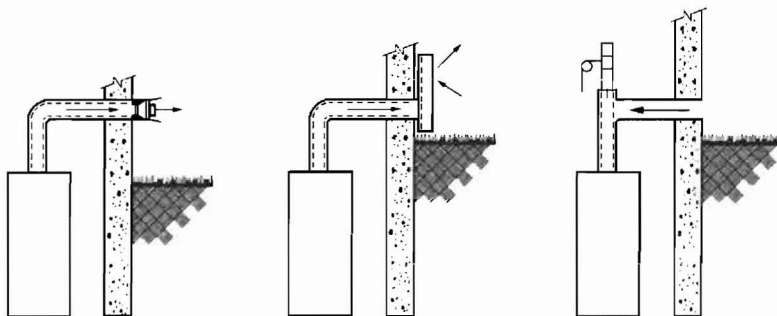
Dimensions

Tapping Sizes:

- System Supply and Return 1-1/4" NPTM (EBP)
- System Supply and Return 1-1/4" C (EDP and EDN)
- Domestic Hot Water Connections 3/4" C
- Gas Supply 1/2" NPT



Venting



Direct Vent

SEALED COMBUSTION

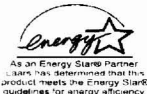
- Utilizes outside air for combustion.
- Horizontal vent lengths up to 15' with three 90° bends.

Optional Vent Terminal-Direct Vent:

- For vent locations less than 16 1/2" above grade.

Alternative Vent

- Horizontal and vertical venting.
- Up to 50 equivalent feet.
- Can take combustion air from outside or from inside space.
- Vent material must meet code UL1738 (US) or ULC636 (Canada).



Waterpik Technologies

6000 Condor Drive, Moorpark, CA 93021 • 805.529.2000 • FAX 805.529.5934

20 Industrial Way, Rochester, NH 03867 • 603.335.6300 • FAX 603.335.3355

480 S. Service Road West, Oakville, Ontario, Canada L6K 2H4 • 905.844.8233 • FAX 905.844.2635

www.Laars.com

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