

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that BRENDAN FITZGERALD

Located At 77 CARLETON ST

Job ID: 2011-12-2949-HVAC

CBL: 055- C-003-001

has permission to Install an HVAC System (Two Family Residence).

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 12/27/2011.

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

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, Framing)
 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.



PORTLAND MAINE

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Director of Planning and Urban Development

Job ID: 2011-12-2949-HVAC

Located At: 77 CARLETON ST

CBL: 055- C-003-001

Conditions of Approval:

Building

1. The installation must comply with UL, the Manufacturers' Listing, and State of Maine Gas Regulations.
2. Separate permits are required for any electrical: plumbing, sprinkler, fire alarm, HVAC systems, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
3. Maintain proper setback(s) from property lines/buildings and proper clearances from vertical openings when direct venting
4. A Carbon Monoxide (CO) alarm shall be installed in each area within or giving access to bedrooms. That detection must be powered by the electrical service (plug-in or hardwired) in the building and battery.
5. M1804.2.5 Direct vent terminations. Vent terminals for direct-vent appliances shall be installed in accordance with the manufacturer's installation instructions.
6. R302.4 Dwelling unit rated penetrations. Penetrations of wall or floor/ceiling assemblies required to be fire-resistance rated in accordance with Section R302.2 or R302.3 shall be protected in accordance with this section.

Historic

1. Approved with the understanding there will be no exterior alterations associated with this installation. If additional or replacement venting is required, historic preservation approval will be required.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-12-2949-HVAC	Date Applied: 12/16/2011	CBL: 055- C-003-001	
Location of Construction: 77 CARLETON ST	Owner Name: BRENDAN FITZGERALD	Owner Address: 77 CARLETON ST., PORTLAND, ME	Phone:
Business Name:	Contractor Name: MAINELY PLUMBING & HEATING INC,	Contractor Address: 674 MAIN ST GORHAM MAINE 04038	Phone: 854-4969
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-6
Past Use: Two Family	Proposed Use: Same: Two Family – to install Weil Mclain boiler	Cost of Work: \$9,000.00	CEO District:
		Fire Dept: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input checked="" type="checkbox"/> N/A	Inspection: Use Group: Type: <i>WAC</i> <i>Dave Cox</i> <i>Ross</i> Signature: <i>[Signature]</i>
Proposed Project Description: Weil Mclain gas boiler in basement		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie		Zoning Approval	

<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 informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: <i>OK</i> <i>12/19/11</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><i>With</i></p> <p><input type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input checked="" type="checkbox"/> Approved <i>D. Andrews</i></p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p><i>any extra work requires</i> Date: <i>ASeparate review and approval</i></p>
	CERTIFICATION		

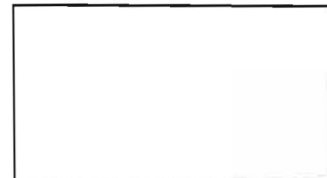
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition,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



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:

12-6 with 11

Location / CBL 77 Carleton St. Use of Building 55-C-3 ^{yes} 2 Family Date 12/15/11
 Name and address of owner of appliance Brandon Fitzgerald
77 Carleton St Portland
 Installer's name and address Marnely P+H 674 Main St Gorham, Me
 Telephone 907-854-4969

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Weil Melarn

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 347
- Other _____

Type of Chimney:

- Masonry Lined
Factory built Z-Flue 6" SS Liner

- Metal
Factory Built U.L. Listing # _____

- Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 8,900

Permit Fee: \$ 110

RECEIVED

DEC 16 2011

Dept. of Building Inspections
City of Portland Maine

12-15-11

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

- See attached letter or requirement

Signature of Installer

[Handwritten Signature]

Inspector's Signature

Date Approved



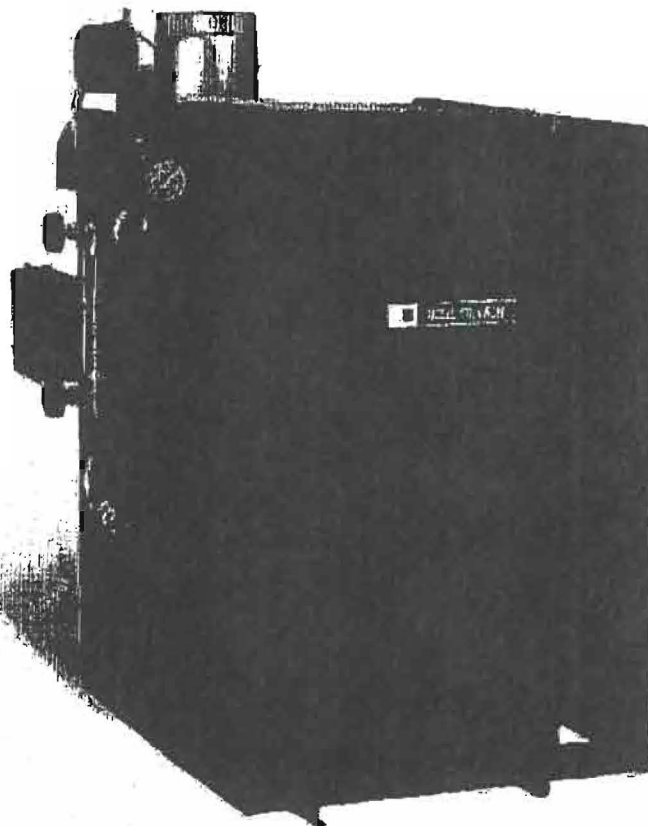
Gas Boiler
Weil-McLain

Water or Steam
 Natural Draft
 NAT'L or LP
 MBH: 75-300™
 Avg. Eff.: 83%

- **HIGH EFFICIENCY**
- **EASY TO INSTALL AND SERVICE**
- **MADE WITH WEIL-McLAIN QUALITY**

APPLICATIONS INCLUDE:

- Residential
- Light Commercial
- Multiple Boilers
- Indirect-fired Water Heating
- Radiant Heating
- ... And Much More



WM WEIL-McLAIN

www.weil-mclain.com





Ratings

Model	DR Input (MBH)	ASME Section IV (ARF)						ASME Section I (ARF)				Approx. Shipping Weight (Lbs)	
		Water	Steam	Water	Steam	Water	Steam	Water	Steam	Water	Steam		
EG-30	75	84.3	83	82.2	81	84.2	82.9	82	47	85	198	57" LD. x 27"	410
EG-35	100	85.8	82.5	82	81.3	83.7	82.5	82	52	73	258	67" LD. x 27"	418
EG-40	125	88	82.5	82.5	81.5	84.2	83.2	82.4	78	81	328	67" LD. x 27"	500
EG-45	150	83.8	82.8	82.4	81.8	84	83	82.5	84	110	392	67" LD. x 27"	500
EG-50	175	85.7	82.8	82.0	81.9	84.4	83.7	83	109	128	454	67" LD. x 27"	580
EG-55	200	83.8	82.8	82.5	81.9	84.2	83.5	82.7	123	148	521	67" LD. x 27"	590
EG-65	250	84	81	82.8	82	84	82.8	80.9	137	183	654	67" LD. x 27"	680
EG-75	300	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	840	150	258	750	87" LD. x 27"	755

Dimensions

Model	Member & Pipe O.D.		Dimensions-Inches			Minimum Recommended Pipe Sizes			
	Supply (SPT)	Return (RPT)	D	V	W	Gas Connection Size* Natural & Propane	Forced Water Supply & Return	Steam Rise & Header	Steam Equalizer
EG-30	2-3"	2-2 1/2"	5"	5"	17"	1/2"	1"	2"	1 1/2"
EG-35	2-3"	2-2 1/2"	5"	5"	17"	1/2"	1"	2"	1 1/2"
EG-40	2-3"	2-2 1/2"	6"	6 1/2"	21 1/4"	1/2"	1 1/2"	2 1/2"	1 1/2"
EG-45	2-3"	2-2 1/2"	5"	6 1/2"	21 1/4"	1/2"	1 1/2"	2 1/2"	1 1/2"
EG-50	2-3"	2-2 1/2"	7"	8"	25 1/2"	1/2"	1 1/2"	2 1/2"	1 1/2"
EG-55	2-3"	2-2 1/2"	7"	8"	25 1/2"	1/2"	1 1/2"	3"	1 1/2"
EG-65	2-3"	2-2 1/2"	8"	9 1/2"	29 3/4"	3/4"	1 1/2"	3"	1 1/2"
EG-75	2-3"	2-2 1/2"	8"	9 1/2"	34"	3/4"	2"	3"	1 1/2"

*Steam tables are per manufacturer data. Not listing from water to boiler to be sized according to local utility requirements.
 **All supply and return sizes are based on a 20°F temperature rise through the boiler.
 ***EG-75 additional hot 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	Safety Relief Valve
G	3/4"	Plugged	Piping to Compression Tank or Auto. Air Vent
H	1/4"	Gauge Boss 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}	1 1/2"	Steam Trapping	-
S _{Water}	5/8"	-	Limit Control

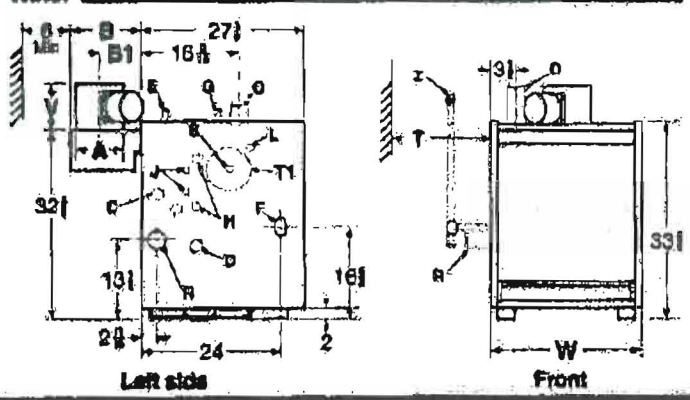
*Available only on special request.



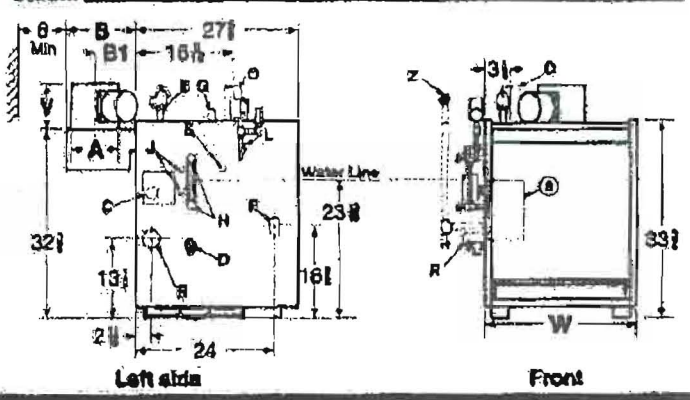
Standard Equipment

- Limited 10 Year 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-Limiting Pilot Burner
- Stainless Steel Burners
- Electrical Junction Box
- Spill Switch
- Rollout Thermal Fuse Element
- Water Boilers 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
- Plug-In Circulator Relay
- Steam Boilers Only:
- 15 PSI ASME Relief Valve (Boiler Sections Tested For 15 PSI Working Pressure)
- High-Limit Pressure Control
- Low Water Cut-Off-Electrode Type
- 40VA Transformer
- Steam Pressure Gauge
- Syphon
- Gauge Cocks And Glass
- Plug-In Circulator Relay
- High Efficiency model-SPD:
- Constant Burning, Thermally Supervised Pilot System
- Thermocouple
- Highest Efficiency model-SPD:
- Intermittent Electronic Ignition System With Weil-McLain UCM Universal Ignition Control Module
- Additional 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

Water



Steam





Smoothcore™ All Fuel Stainless Steel Kit



Smoothcore™ Kit Includes:

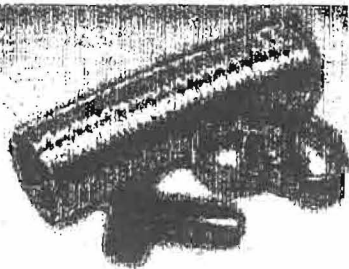
- Liner
- Rain Cap
- Top Support
- Lock N'Go Base Tee
- Flashing

Order No: 2ZF5CKIT - - - -

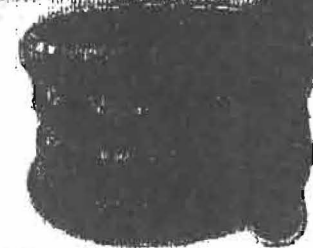
Kit must be insulated for wood burning applications.

Fresh Air Kit for Pellet Stoves

- Kit includes:**
- 1 - 2" x 5' Aluminum 1 ply duct
 - 1 - 2" intake hood with screen
 - 2 - 2" gear clamps



Smoothcore™ Flex Liner



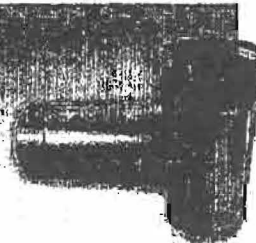
Order No: 2ZL5CXX

Flex Ready Pellet Tee with 3/4 branch



Order No: 2Z7T4J

Lock N'Go Base Tee



Order No: 2Z7T - -
(din)

Insulating Blanket with Wrap and Gear Clamps



Order No: 2ZMSKIT - - - -
(din) (gmk)

Note: This style tee is to be used with Z-Flex flexible liner. Refer to rigid tee for use with rigid liner or when stacking two tees together. 3" and 10" nose spouts are not removable.

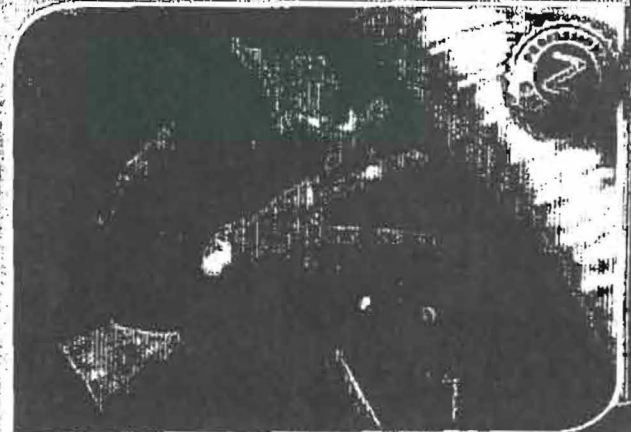
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 Email sales@z-flex.com • www.z-flex.com





- Eliminates the turbulence that's inherent with corrugated liners, improving draft
- Resists corrosive attack by not impeding the flow of condensate down the liner and less opportunity for soot to accumulate
- Patented Triple-Lock design won't pull apart during installation, or under extreme heat conditions

Indefinite service life and safety in containing creosote fires, cULus tested and listed by UL to UL1777



CHIMNEY & VENTING SOLUTIONS

