

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 2013-00107		Issue Date:		CBL: 126 F010001	
Location of Construction: 52 MELROSE ST		Owner Name: PICKET FENCE LLC		Owner Address: 14 HANOVER ST PORTLAND, ME 04101	
Business Name:		Contractor Name: Bertel E Serfes Jr		Contractor Address: P.O. Box 619 Windham ME 04062	
Lessee/Buyer's Name		Phone:		Permit Type: HVAC	
Past Use: Single Family Home		Proposed Use: Single Family Home		Zone: R3	
Proposed Project Description: replace existing boiler with a Wiel McLean Boiler in basement		Permit Fee: \$90.00		Cost of Work: \$7,000.00	
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A		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: 01/16/2013		Zoning Approval	
<ol style="list-style-type: none">1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.2. Building permits do not include plumbing, septic or electrical work.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..		Special Zone or Reviews <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"/> Date: 01/17/13 TBM		Zoning Appeal <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 Date:	
		Historic Preservation <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 Date: ABM			

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 52 Melrose St. DB-F-10 Use of Building Residential Date 11/30/12
Name and address of owner of appliance Tom Blackburn 52 Melrose St. Portland ME
04102 232-8134
Installer's name and address BETHEL SERVES PO Box 619 WILHAM ME 04062
Telephone _____

Location of appliance:

- ☒ Basement ☐ Floor
☐ Attic ☐ Roof

Type of Fuel:

- ☒ Gas ☐ Oil ☐ Solid

Appliance Name: Wiel Mclean

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 3962
☐ 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: \$ 7000.00
6500.00

Permit Fee: \$ 90.00

RECEIVED
~~NOV 30 2012~~
Dept. of Building Inspections
City of Portland Maine

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Signature of Installer Beth S. S. S.

Approved with Conditions

- ☐ See attached letter or requirement

Inspector's Signature _____

Date Approved _____

White - Inspection

Yellow - File

Pink - Applicant's

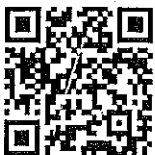
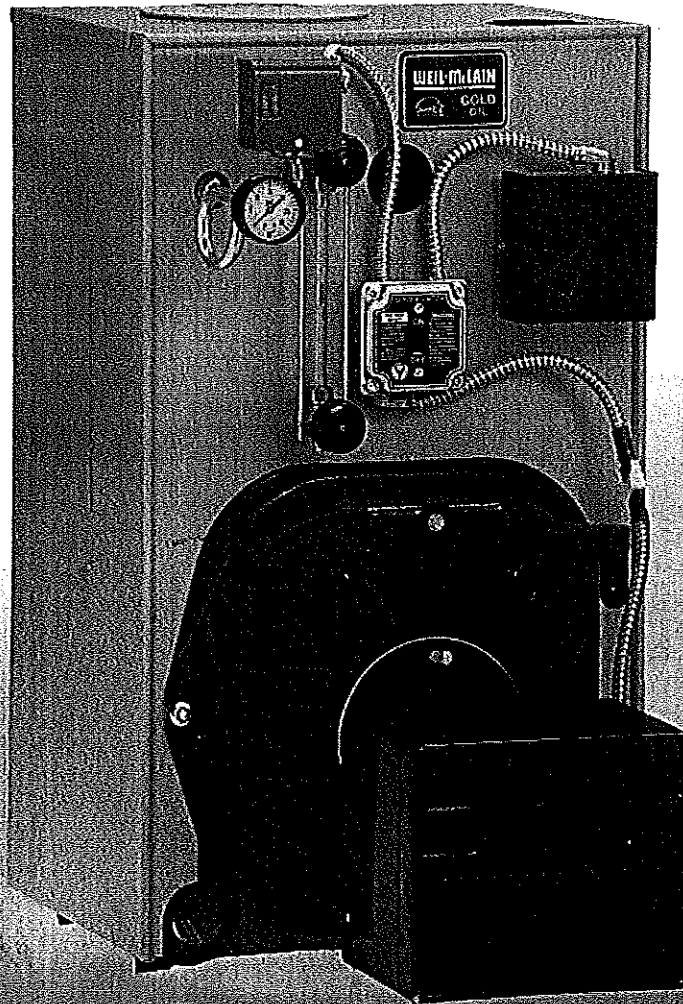
Gold - Assessor's Copy



Oil-Fired Steam Boilers

Boiler Manual

- Installation
- Maintenance
- Startup
- Parts



Mobile Product
Library

⚠ WARNING

This manual must only be used by a qualified heating installer/service technician. BEFORE installing, read all instructions in this manual and all other information shipped with the boiler. Perform steps in the order given. Failure to comply could result in severe personal injury, death or substantial property damage.

Part number 550-141-829/1211

**WARNING** SERVICE TECHNICIAN ONLY — read and follow completely.

Install burner — all boilers

Install burner

(also refer to instructions packed with burner)

NOTICE

Use only burners specified for use on Weil-McLain GOLD oil boilers. DO NOT use burners specified for use on Weil-McLain Model 68 boilers. Contact individual burner manufacturers for proper burner selections.

For P-SGO and A-SGO boiler:

1. Secure universal mounting flange and gasket to burner mounting door. Use three bolts provided.
2. Secure burner on flange with three bolts.
3. Position burner so end of air tube is level to 1½-degree tilt down toward chamber. Open door to verify burner position. End of air tube should be flush to ¼" recessed from inside wall of burner door refractory. Check for secure placement of insulation on target wall, chamber floor and burner mounting door. Securely close door.

Table 3 Minimum chimney sizes

Boiler model number	Minimum breeching diameter (Note 3)	Minimum I=B=R chimney size		Minimum chimney height
		Rect.	Round	
SGO-3	5"	8" x 8" (Note 1)	6"	15'
SGO-4	6"			
SGO-5	6"	8" x 8" (Note 1)	7"	15'
SGO-6	7"			
SGO-7	7"	8" x 12" (Note 2)	7"	20'
SGO-8	7"			
SGO-9	7"			
Note 1	6¾" x 6¾" inside liner			
Note 2	6½" x 10½" inside liner			
Note 3	Flue collar on boiler is 7' diameter			

General chimney requirements

- Designed for natural draft firing. Connect boiler to vertical chimney.

DANGER

Insufficient draft can cause flue gas leakage and carbon monoxide emissions, which will lead to severe personal injury or death.

- Use vent material approved by local codes for oil-fired burners. In their absence, refer to:
 - NFPA 31, Installation of Oil-Burning Equipment.
 - NFPA 211, Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances.
 - In Canada, refer to CSA B139, Installation Code for Oil-Burning Equipment.
- NFPA 211 requires chimney to be lined before connected to boiler.

DANGER

Inspect existing chimney before installing new boiler. Failure to do any of the following will result in severe personal injury or death:

- Clean chimney, including removal of blockage.
- Repair or replace damaged pipe or liner.
- Repair mortar and joints.

To prevent downdrafts, extend chimney at least 3 feet above highest point where it passes through roof and 2 feet higher than any portion of building within 10 feet. Increase chimney cross-sectional area and height at least 4% per 1,000 feet above sea level.

- Minimum clearances from vent pipe to combustible material:
 - 6 inches — Type "L" double-wall vent
 - 9 inches — Single-wall vent
- Minimum chimney sizes should be used.

NOTICE

Oversized chimneys, outside masonry chimneys and/or derated inputs can result in condensation in chimney.

**WARNING** SERVICE TECHNICIAN ONLY — read and follow completely.

Connect breeching

Connect breeching

WARNING

Long horizontal breechings, excessive number of tees and elbows, or other obstructions restricting combustion gas flow can result in possibility of condensation, flue gas leakage and carbon monoxide emissions, which can lead to severe personal injury or death.

1. Install 2 flue pipe brackets.
2. Connect full-sized breeching when possible. See Minimum Chimney Size Table.
 - Back outlet — see Figure 9.
 - Top outlet — see Figure 10.
3. Connection must be made above bottom of chimney to avoid blockage. Breeching must not enter chimney far enough to cause obstruction. Use thimble or slip joint where breeching enters chimney to allow removal for cleaning.
4. When burner and boiler are properly installed, draft overfire will be approximately -0.01" to -0.02" W.C. Install barometric control in breeching, per control manufacturer's instructions, when excess draft needs to be relieved or to comply with applicable codes and regulations. Use draft gauge to adjust proper opening.
5. An induced draft fan for the chimney may be necessary if:
 - Excessive resistance to flow of combustion gases can be expected.
 - Cross-sectional area of chimney is smaller than minimum recommended.
 - Chimney height is less than recommended.

WARNING

Seal all vent joints. Interlock burner with fan operation.

Figure 9 Back outlet breeching connection

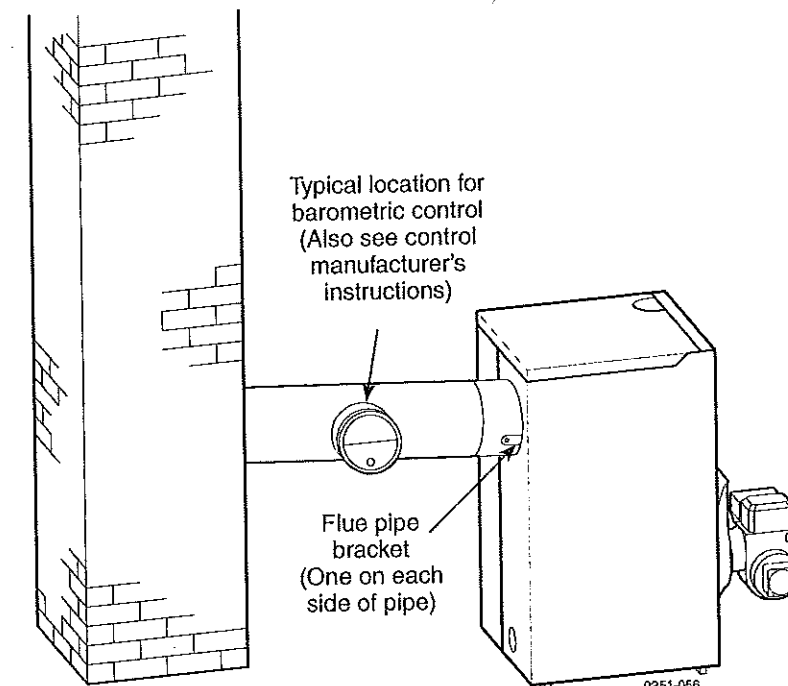


Figure 10 Top outlet breeching connection

