

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

# BUILDING PERMIT

This is to certify that JANE D SNOW

Located At 40 WALL ST

Job ID: 2012-06-4319-HVAC

CBL: 340- M-032-001

has permission to Install an HVAC system (Single Family Residence).

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

07/18/2012

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](mailto: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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Acting Director of Planning and Urban Development  
Gregory Mitchell

Job ID: 2012-06-4319-HVAC

Located At: 40 WALL ST

CBL: 340- M-032-001

## **Conditions of Approval:**

### **Building**

1. The installation must comply with UL, the Manufacturers' Listing, MUBEC (IRC, 2009), 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.

**City of Portland, Maine - Building or Use Permit Application**

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

Job No: 2012-06-4319-HVAC	Date Applied: 6/25/2012	CBL: 340- M-032-001	
Location of Construction: 40 WALL ST	Owner Name: JANE S ROBERT SNOW	Owner Address: 40 WALL ST PORTLAND, ME 04103	Phone:
Business Name:	Contractor Name: HARVEY C MULTER @ MULTISPEC INC.	Contractor Address: 230 SACO RD HOLLIS CENTER MAINE 04042	Phone: (207) 727-5111
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-3
Past Use: Single Family Dwelling	Proposed Use: Same: Single Family Dwelling - to install a Weil-McLain heating system	Cost of Work: \$8,000.00	CEO District:
		Fire Dept: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input checked="" type="checkbox"/> N/A	Inspection: Use Group: R3 Type: SB Main Gas Reg. <i>(Signature)</i>
Proposed Project Description: Install a Weil - McLain Boiler in Basement		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie	<b>Zoning Approval</b>		

<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>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan  <input type="checkbox"/> Maj <input type="checkbox"/> Min <input checked="" type="checkbox"/> MM Date: <i>6/26/12</i>	<b>Zoning Appeal</b> <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:	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in Dist 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: <i>9</i>
	<b>CERTIFICATION</b>		

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 appication 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

R-3

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

2012-06-4319SP/2

340-M-32

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 40 WALL ST. Use of Building RESIDENCE Date 6/19/2012  
 Name and address of owner of appliance Robert SNOW  
40 WALL ST., PORTLAND, ME. 04103  
 Installer's name and address MULTISPEC INC  
230 SACO RD., HOLDS ME. Telephone 207-727-5111

### Location of appliance:

- Basement
- Attic
- Floor
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: WEIL - MCLAIN

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 # PNTS
- Other \_\_\_\_\_

### Type of Chimney:

- Masonry Lined  
Factory built \_\_\_\_\_
- Metal  
Factory Built U.L. Listing # \_\_\_\_\_
- Direct Vent  
Type \_\_\_\_\_

### Type of Fuel Tank

- Oil
- Gas

Size of Tank NA

Number of Tanks NA

Distance from Tank to Center of Flame NA feet.

Cost of Work: \$ 7800

Permit Fee: \$ 100

**RECEIVED**  
 JUN 25 2012  
 Dept. of Building Inspections  
 City of Portland Maine

### Approved

Fire: \_\_\_\_\_  
 Ele.: \_\_\_\_\_  
 Bldg.: \_\_\_\_\_

### Approved with Conditions

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer: [Signature]



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Receipts Details:

**Tender Information:** Check , BusinessName: MultiSpec, Check Number: 3618  
**Tender Amount:** 100.00

Receipt Header:

**Cashier Id:** Ldobson  
**Receipt Date:** 6/25/2012  
**Receipt Number:** 45304

Receipt Details:

Referance ID:	7010	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	100.00	Charge Amount:	100.00
Job ID: Job ID: 2012-06-4319-HVAC - Install a Weil - McLain Boiler in Basement			
Additional Comments: 40 Wall St			

Thank You for your Payment!



## 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.

## 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.

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				
SGO-8	7"	8" x 12" (Note 2)	7"	20'
SGO-9				
Note 1	6¾" x 6¾" inside liner			
Note 2	6½" x 10½" inside liner			
Note 3	Flue collar on boiler is 7" diameter			

**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

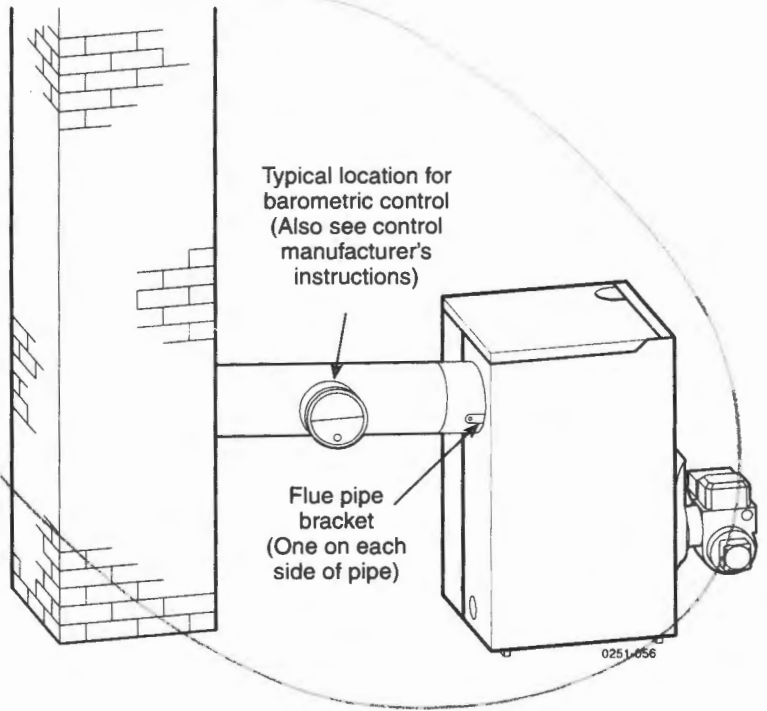
## Connect breeching

**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

