

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that ROSEANNE& TALBOT

Located At 75 EMERY ST.

Job ID: 2011-06-1410-HVAC

CBL: 056 - - 1 - 003 - 001 - - - -

has permission to install an HVAC Replacement 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

06/23/2011

**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, Framing, 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.



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: 2011-06-1410-HVAC

Located At: 75 EMERY

CBL: 056 - - 1 - 003 - 001 - - - -

Conditions of Approval:

Building

1. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
2. This appliance/stove shall be installed, operated and maintained per the manufacturers listing, Maine State Oil and Solid Fuel Regulations, and the UL listing.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-06-1410-HVAC	Date Applied: 6/15/2011	CBL: 056 - - 1 - 003 - 001 - - - - -	
Location of Construction: 75 EMERY ST	Owner Name: ROSEANNE & TIM TALBOT	Owner Address: PO BOX 3304 PORTLAND, ME - MAINE 04104	Phone:
Business Name:	Contractor Name: Tony Fusco,	Contractor Address: 15 ELEANOR ST PORTLAND MAINE 04101	Phone: (207) 831-2910
Lessee/Buyer's Name:	Phone:	Permit Type:	Zone: R-6
Past Use: Single Family Dwelling	Proposed Use: Same: Single Family Dwelling - to install a replacement heating system	Cost of Work: \$7000.00	CEO District:
		Fire Dept: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input checked="" type="checkbox"/> N/A	Inspection: Use Group: Type: HVAC
		Signature:	Signature: <i>[Signature]</i>
Proposed Project Description: Install a Peerless Boiler in basement		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie		Zoning Approval	

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 informatin may invalidate a building permit and stop all work.

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<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 type="checkbox"/> MM Date: <i>OK [Signature]</i> <i>6/16/11</i>	<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:	<i>with</i> <input 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>Any exterior work requires a separate review & approval</i>

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 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	PHON



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2011-06-1410

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 56-I-3 Use of Building RESIDENTIAL Date 5/22/11
 Name and address of owner of appliance TIM TALBOT 75 EMERY ST
PORT ME
 Installer's name and address Tony Fusco 15 ELEANOR ST *single fam?*
PORT ME Telephone 831-2910

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Oil Solid

Appliance Name: PEERLESS BOILER
 U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

Type of Chimney: *R-6 eff. HIA*
 Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # NEW STAINLESS STEEL
 Direct Vent
 Type _____ UL# _____

Type of Fuel Tank
 Oil
 Gas

Size of Tank 275 *NEW*

Number of Tanks I

Distance from Tank to Center of Flame 20 feet.

Cost of Work: \$ 6300⁰⁰
Permit Fee: \$ 90

RECEIVED
 JUN 15 2011
 Dept. of Building Inspections
 City of Portland Maine

The Type of License of Installer:
 Master Plumber # _____
 Solid Fuel # _____
 Oil # MS 30012787
 Gas # _____
 Other _____

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Tony Fusco

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2011-06-1410

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 Sub J-3 Use of Building RESIDENTIAL Date 5/22/11
 Name and address of owner of appliance TIM TALBOT 75 EMERY ST
PORT ME
 Installer's name and address Tony Fusco 15 ELEANOR ST
PORT ME Telephone 831-2910

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Gas Oil Solid

Appliance Name: Peerless Boiler
 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 # MS 30012787
 Gas # _____
 Other _____

Type of Chimney:
 Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # NEW STAINLESS STEEL

Direct Vent
 Type _____ UL# _____

Type of Fuel Tank
 Oil
 Gas

Size of Tank 275 NEW

Number of Tanks 1

Distance from Tank to Center of Flame 20 feet.

Cost of Work: \$ 6300.00

Permit Fee: \$ 90

Approved

Approved with Conditions

See attached letter or requirement

Fire: _____

Ele.: _____

Bldg.: _____

Inspector's Signature

Date Approved

Signature of Installer Tony Fusco

5-25-11

TO: Planning & Development Dept Inspections Division

Fax: 874-8716

ATTN: Lannie Dobson

From: Tony Fusco

Fax : 781-4216

Page 1 of 2

RE: Installation of Peerless Boiler

Sent 5-25-11 @ 7:53 AM
Resent 6-14-11 @ 8:05 AM



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 _____ Use of Building RESIDENTIAL Date 5/22/11
 Name and address of owner of appliance TIM TALBOT 75 EMERY ST
PORT ME
 Installer's name and address Tony Fusco 15 ELEANOR ST
PORT ME Telephone 831-2910

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Oil
- Solid

Appliance Name: PEERLESS BOILER

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 # MS30012787
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

Metal
Factory Built U.L. Listing # NEW STAINLESS STEEL

Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank 275 NEW

Number of Tanks 1

Distance from Tank to Center of Flame 20 feet.

Cost of Work: \$ 6300⁰⁰

Permit Fee: \$ _____

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer _____

PIPING AND CONTROLS

1. WATER BOILER PIPING

NOTICE Do not pipe boiler before jacket is installed.

A. PRESSURE TEST BLOCK ASSEMBLY

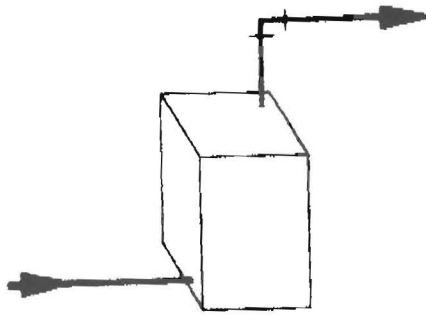
1. Make up cold water supply connection to the boiler.
2. Install pressure gauge or pressure-temperature gauge in tapping provided. See Boiler Dimensional drawing, Figures 7.1 and 7.2 (Section 7)
3. Plug all open tappings in the boiler and fill with water. Apply approximately thirty (30) psig pressure. Check to make certain that all joints and fittings are water tight.
4. After all joints and connections have been proven tight, remove cold water supply and plugs from all tappings that are to be used. See Figures 7.1 and 7.2 (Section 7) for tapping locations.

B. BOILER RETURN CLEARANCE

Return piping must allow for opening and closing Burner Mounting Plate. PB Heat, LLC suggests installing a 1-1/4 NPT tee, a 90° elbow, and a 1-1/4 NPT x 5" long nipple in the return tapping before a vertical stand pipe is used.

C. WATER BOILER PIPING

1. Refer to the Water Installation Survey and Hydronics Institute Residential Hydronic Heating Installation/Design Guide for guidance.
2. The supply and return connections should be sized to suit the system. A 1-1/2" to 1-1/4" reducing coupling may be used where the system piping is 1-1/2"
3. The supply should be out the top of the back section and return to the bottom of the front section as shown in Figure 3.1 There is a 3/4" tapping in the top of the back section for air elimination.



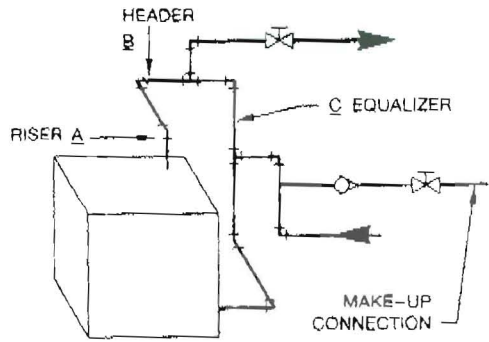
4. When the return temperature from the system will be below 150°F on oil boilers for extended periods (heat pump systems, outdoor reset, snow melt, etc.), provide piping and controls to protect the boiler from condensation. Condensation will damage the boiler and will lead to shortened boiler life and maintenance problems.
5. If using a Partner indirect fired water heater or other, see Figure 3.6 for typical piping. Also refer to additional instructions supplied with the Partner.
6. If the boiler is to be used in conjunction with a refrigeration system, the chilled medium shall be piped in parallel with boiler and proper valves applied to prevent the chilled medium from entering the boiler. Refer to Figure 3.5.
7. If the boiler is connected to heating coils located in air handling units, the boiler piping system must be equipped with flow control valves or other automatic devices to prevent gravity circulation of the boiler water during the cooling cycle.

D. STEAM BOILER PIPING

1. Refer to the Steam Installation Survey and Hydronics Institute Residential Hydronic Heating Installation/Design Guide for assistance.
2. See table below for pipe sizing. The return loop from system should always enter equalizer through the Hartford Loop, 2" to 4" below normal water line. See Figure 3.2.

Boiler Model No.	Supply Riser "A"	Header "B"	Equalizer "C"
WBV-03	(1) 2"	2" or 3"	1-1/4"
WBV-04	(1) 2"	2" or 3"	1-1/4"

3. Use swing joints to attach header to avoid damage to the boiler due to thermal expansion and contraction of steam header pipe.
4. Pipe the steam header a minimum of 24" above the normal water line using swing joints to attach the risers into the steam header.



PIPING AND CONTROLS

E. TANKLESS HEATER OR COVERPLATE

- If a tankless coil is used (item 9), install as pictured. On water boilers, install in opening in front section. On steam boilers, install in opening in rear section. For suggested piping of tankless water heaters refer to Figures 3.3 and 3.4.

DANGER Install anti-scald device in hot water supply piping. Water temperature above 125F can cause severe burns instantly or death from scalds.

NOTICE X1019R, X1020R, and PP1011R coils installed in WBV boilers have internal flow controls installed. Do not use external flow controls with these coils.

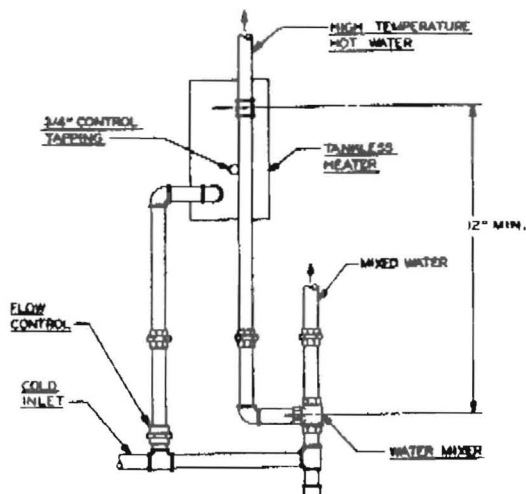


Figure 3.3: Tankless Coil Piping, Steam Boiler

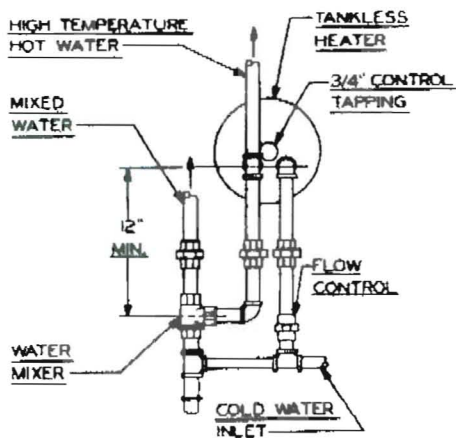


Figure 3.4: Tankless Coil Piping, Water Boiler

- If not using a tankless coil, cover the heater opening with cover plate (item 7 or 16).

NOTICE Be sure rubber gasket is in place between cover plate or water heater plate and boiler section.

F. CONTROLS

CAUTION Pipe the discharge of the safety valve or relief valve to prevent injury in the event of pressure relief. Pipe the discharge to a drain. Provide piping that is the same size as the relief valve.

- Water Boiler Controls:
 - Install the limit / operating control, pressure-temperature gauge and safety relief valve. See Figure 7.1 (Section 7) for proper location. For installations subject to UL726, a second operating control that senses water temperature is also required (not provided). Use an L4080B or equivalent. Install in the supply piping near the boiler.
- Steam Boiler Controls:
 - Install the limit / operating control, pressure gauge, gauge glass trim and safety relief valve. See Figure 7.2 (Section 7), Figure 3.7 (float boilers) and cover photo (probe boilers).
 - For installations subject to UL726, a second operating control that senses steam pressure is required (not provided). Use a PA404A or equivalent. On probe boilers, install the additional pressure control opposite the standard PA404A using a cross instead of a tee along with a second brass siphon (not provided). On float boilers, install the additional pressure control in the 1/4" tapping on the top of the float low water cut-off using a vertical (360°) brass siphon (not provided).
 - For application of a probe low-water cut-off, use only Hydrolevel CG450. See Figure 7.2 (Section 7) for location. See also control manufacturers instruction sheet.
 - See Figure 3.7 for application of float low water cut-offs.
- For complete information on servicing and adjustment of controls, refer to the attached control specification sheets.

PIPING AND CONTROLS

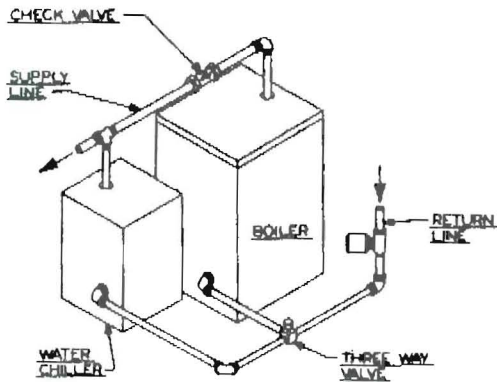


Figure 3.5: Piping to Isolate Boiler from Chilled Medium on Chiller Systems

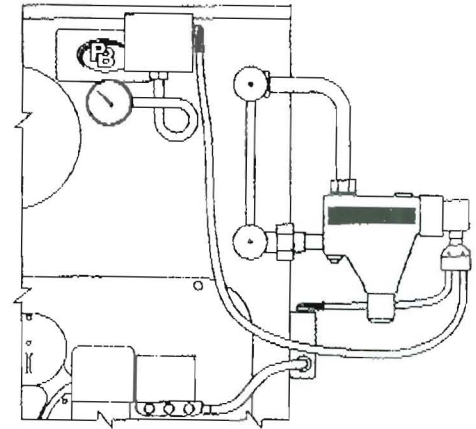


Figure 3.7: Float Low Water Cut-off

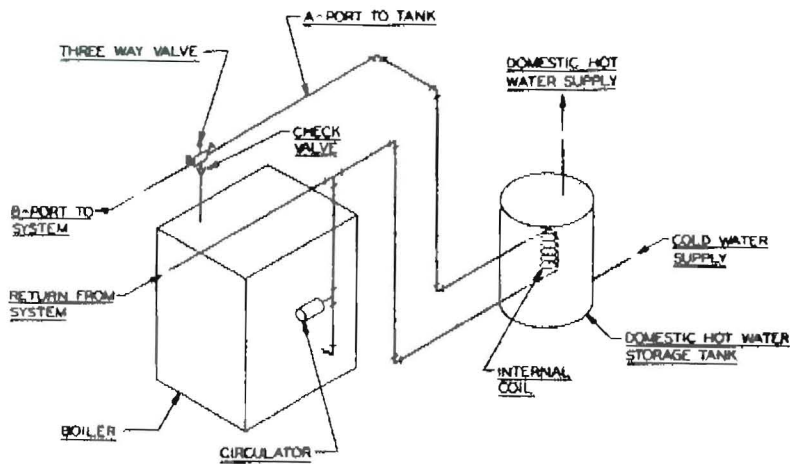


Figure 3.8: Piping with Peerless Indirect Water Tank



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

5-26 20 11

Received from

Tommy F. Wood

Location of Work

759 Main St

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 90

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other _____

CBL: 56-13

Check #: _____ Total Collected \$ 90

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy