

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

## BUILDING PERMIT

This is to certify that TERESA V WID WWII VET»  
LEFEBVRE

Located At 636 ALLEN

CBL: 377 - - E - 022 - 001 - - - -

Job ID: 2011-08-2069-HVAC

has permission to Install Burderus Boiler

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

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

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

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

Job No: 2011-08-2069-HVAC	Date Applied: 8/24/2011	CBL: 377 - - E - 022 - 001 - - - -	
Location of Construction: 636 ALLEN AVE	Owner Name: TERESA V LEFEBVRE WID WWII VET	Owner Address: 78 HICKS ST PORTLAND, ME - MAINE 04103	Phone:
Business Name:	Contractor Name: Christopher A Sweatt,	Contractor Address: 73 Pleasant Hill RD SCARBOROUGH MAINE 04074	Phone: (207) 883-9515
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-3
Past Use:  Single family dwelling	Proposed Use:  Same: single family dwelling - to install new Buderus boiler	Cost of Work: \$6000.00	CEO District:
		Fire Dept:  Approved Denied N/A	Inspection: Use Group: Type:
Proposed Project Description: Install a Buderus 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"/> Variance	<input checked="" type="checkbox"/> Not in Dist or Landmark
<input type="checkbox"/> Wetlands	<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
<input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date: 8/24/11	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 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



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 377-E-22 Use of Building Single Family Date 8/23/11  
Name and address of owner of appliance Theresa Lefebvre  
636 Allen Ave Port.  
Installer's name and address Christyler Sweatt 73 Pleasant Hill Road  
Scarborough 04074 Telephone 883-9515

**Location of appliance:**

- ☒ Basement ☐ Floor  
☐ Attic ☐ Roof

**Type of Fuel:**

- ☐ Gas ☒ Oil ☐ Solid

**Appliance Name:** BuderusU.L. Approved ☒ Yes ☐ NoWill appliance be installed in accordance with the manufacture's installation instructions? ☒ Yes ☐ NoIF NO Explain: \_\_\_\_\_**The Type of License of Installer:**

- ☐ Master Plumber # \_\_\_\_\_  
☐ Solid Fuel # \_\_\_\_\_  
☒ Oil # M52004350  
☐ Gas # PRMT 4422  
☐ 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 20 feet.Cost of Work: \$ 5,870.00Permit Fee: \$ 80**Approved**

Fire: \_\_\_\_\_

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

**Approved with Conditions**

- ☐ See attached letter or requirement

Signature of Installer [Signature]

Inspector's Signature \_\_\_\_\_

Date Approved \_\_\_\_\_

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy



**Minimum clearances to combustible material**

Flue pipe	Type	Minimum clearance
Double-wall	L	6"
Single-wall	L	18"

Tab. 11 Minimum clearances to combustible objects for flue systems

**Minimum size of chimney**

The minimum recommended chimney size is 8" x 8" (6 3/4" x 6 3/4" inside liner) or 6" diameter with a minimum height of 15 feet. Use a 5" flue pipe for connection to an existing chimney.

**Installing the flue pipe**



**Danger:** Risk of death from escaping flue gases.

If the resistance to flue gas flow is too great and/or the flue pipe diameter is smaller than the recommended size and/or the flue pipe is too short:

- Seal all vent pipe joints.
- Install a CO alarm. Positive pressure combustion ensures that the flue gas can exit the flue system.
- Insert flue pipe 5" onto the breach and secure with 3 screws.



Avoid long horizontal flue pipe runs and keep the number of elbows to a minimum.

- Install flue connections between boiler and chimney to slope up at least 1/4" per foot to the chimney.
- Connect the flue pipe to the chimney above the bottom of the chimney to prevent blockages.
- Install cleaning and service hatches.

After starting the burner, set breeching draft to -0.01 to -0.02 inches WC using a draft gauge. The overfire pressure can be positive. If necessary, install a barometric damper in the flue system to maintain the underpressure in the system or to meet code requirements. Always install the draft controller in vertical position. Use a draft gauge when making adjustments.

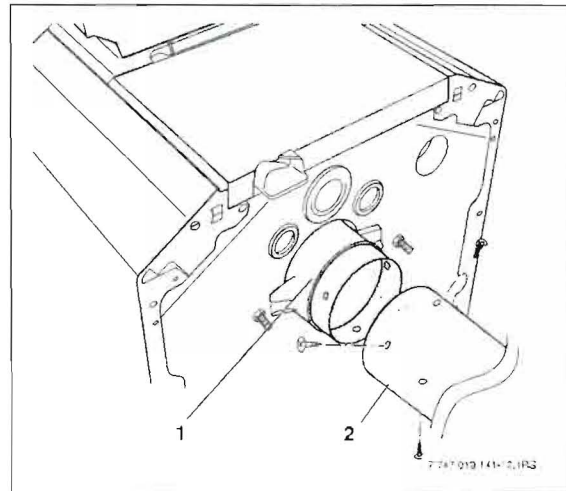
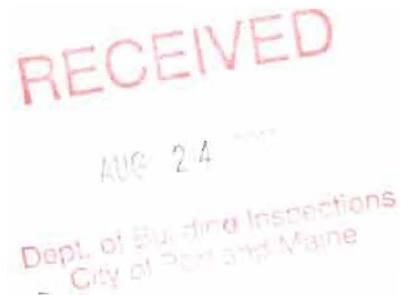


Fig. 12 Installing the flue pipe

- 1 Flue pipe
- 2 Boiler flue socket



## 4 Installing the boiler

This chapter describes how to install and place the boiler in the boiler room.



**Caution:** Risk of system damage from freezing.

- Install the heating system in a frost-free room.

### 4.1 Wall clearances

Position the boiler with the recommended wall clearances. Reducing the minimum clearances makes the boiler more difficult to access during installation, maintenance and cleaning.

The boiler base or foundation must be perfectly flat and level.

The burner door is factory-fitted with the hinges on the right. The burner door can be converted to open to the left (Chapter 4.2, page 15).

Dimension	Wall clearance	
A	Recommended	51-1/8"
	minimum	39-3/8"
B	Recommended	27-1/2"
	minimum	15-3/4"
C	Recommended	15-3/4"
	minimum	3-7/8"
L <sub>K</sub>	→ Chapter 2.7.1 "Logano G115 WS dimensions", page 8	

Tab. 10 Recommended and minimum wall clearances (dimensions in inches).



The boilers are designed for a side clearance of 6".

Where applicable, allow extra wall clearances for additional components such as DHW tank, pipe connections, flue gas silencer or other flue components, etc.



**Caution:** Risk of fire from flammable materials or liquids.

- Clearances less than 6" must comply with local and statutory codes.
- Make sure that there is a sufficient clearance between combustible materials and the chimney connection as specified by NFPA 31 (distance of 18").
- The floor must comply with the requirements of NFPA 31.

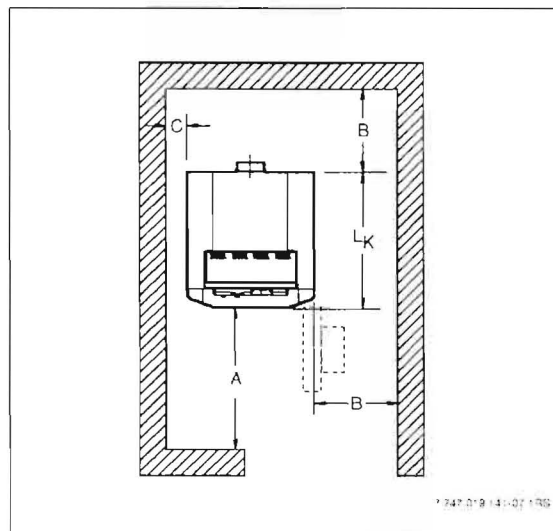
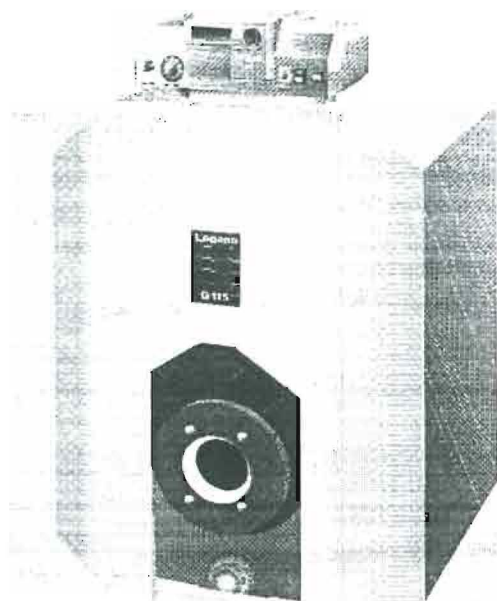


Fig. 7 Boiler room clearances (boiler positioned on the l.h. or r.h. side)

# Installation and Service Instructions

**Low-temperature  
oil boiler**



6 720 615 225-00.1RS

## **Caution!**

Observe the safety instructions of this installation and maintenance manual before placing the boiler in operation.

## **Danger!**

If installation, adjustment, modification, operation or maintenance of the heating system is carried out by an unqualified person, this may result in danger to life and limb or property damage.

The directions of this installation and maintenance manual must be followed precisely.

Contact a qualified service company or service provider if support or additional information is required.

## **Caution!**

The operating manual is a component of the technical documentation and must be handed over to the operator of the heating system.

Discuss the content of this manual with the owner or operator of the heating system to ensure that they are familiar with all information required for operation of the heating system.

## **Logano G115 WS US/CA**

For heating contractors

Please read carefully prior  
to installation and servicing.

# **Buderus**



# CITY OF PORTLAND, MAINE

Department of Building Inspections

## Original Receipt

8-24 20 11

Received from

Location of Work

Cost of Construction

\$

Building Fee:

Permit Fee

\$

Site Fee:

Certificate of Occupancy Fee:

Total:

Building (IL)

Plumbing (IS)

Electrical (I2)

Site Plan (U2)

Other

CBL:

Check #:

Total Collected \$

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

Taken by:

WHITE - Applicant's Copy

YELLOW - Office Copy

PINK - Permit Copy

## 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.**

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.