

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT



**This is to certify that**

GROOM ROBERT C & HOLLY MARPLE GROOM JTS

**Located at**

216 DARTMOUTH ST

**PERMIT ID:** 2012-50640

**CBL:** 081 A018001

has permission to **Install Smith 8 series 4 natural gas 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 procured prior to occupancy.

\_\_\_\_\_  
**Fire Prevention Officer**

\_\_\_\_\_  
**Code Enforcement Officer / Plan Reviewer**

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
THERE IS A 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: 2012-11-5484-HVAC	Date Applied: 11/29/2012	CBL: 081- A-018-001	
Location of Construction: 216 DARTMOUTH ST	Owner Name: HOLLY & ROBERT GROOM	Owner Address: 101 ORCHARD RD CUMBERLAND CTR, MAINE 04021	Phone:
Business Name:	Contractor Name: Charlie Burnham Service Inc.	Contractor Address: PO Box 382, Freeport, ME 04032	Phone:
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-5
Past Use: Two family dwelling	Proposed Use: Same: Two Family dwelling – to install Smith Boiler in the #216 side	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: H/JAC AE on P&P
Proposed Project Description: Install Smith 8 series 4 natural gas boiler		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Gayle		<b>Zoning Approval</b>	

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.	<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 type="checkbox"/> MM Date: <i>OK - 12/3/12</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>S</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

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

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

<b>Permit No:</b> 201250640	<b>Date Applied For:</b> 11/29/2012	<b>CBL:</b> 081 A018001
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<b>Location of Construction:</b> 216 DARTMOUTH ST	<b>Owner Name:</b> GROOM ROBERT C & HOLLY	<b>Owner Address:</b> 101 ORCHARD RD	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b>	<b>Contractor Address:</b>	<b>Phone:</b>
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> Install Smith 8 series 4 natural gas boiler	<b>Proposed Project Description:</b> Install Smith 8 series 4 natural gas boiler
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**Dept:** Building      **Status:** Approved w/Conditions      **Reviewer:** Jon Rioux      **Approval Date:** 12/18/2012**Note:**      **Ok to Issue:** 

- 1) The installation must comply with UL, the Manufacturers' Listing, MUBEC (IRC, 2009), and State of Maine Gas Regulations.

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.

Maintain proper setback(s) from property lines/buildings and proper clearances from vertical openings when direct venting

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.

M1804.2.5 Direct vent terminations. Vent terminals for direct-vent appliances shall be installed in accordance with the manufacturer's installation instructions.

- 2) 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.

**BUILDING PERMIT INSPECTION PROCEDURES**  
Please call 874-8703 (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.**

**REQUIRED INSPECTIONS:**

Close-in/Elec./Plmb./Framing  
Final Inspection

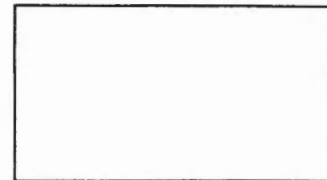
The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

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.



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2012 11 5484

Duplex 2 separate accounts

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 216 Northmouth Str. Use of Building 081 A 018 Date 11-29-12  
 Name and address of owner of appliance Holy Groom, 101 Orchard rd Cumberland  
ME, 04021  
 Installer's name and address Charlie Burkham Service Inc, P.O. Box 382  
Freeport, ME 04032 Telephone \_\_\_\_\_

**Location of appliance:**  
 Basement  Floor  
 Attic  Roof

**Type of Fuel:**  
 Gas  Oil  Solid  Natural Gas  
*8-4 series*

**Appliance Name:** Smithy 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 # \_\_\_\_\_  
 Gas # PNT 6050  
 Other \_\_\_\_\_

**Type of Chimney:**  
 Masonry Lined stainless  
 Factory built \_\_\_\_\_  
 Metal  
 Factory Built U.L. Listing # \_\_\_\_\_  
 Direct Vent  
 Type \_\_\_\_\_

**Type of Fuel Tank**  
 Oil  
 Gas

~~Size of Tank~~ \_\_\_\_\_

Number of Tanks \_\_\_\_\_

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 8475.00

Permit Fee: \$ \_\_\_\_\_

RECEIVED  
NOV 29 2012

Dept. of Building Inspections  
City of Portland Maine

Approved

Approved with Conditions

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

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [Signature]

# Smith

CAST IRON BOILERS

## 8 SERIES

# STEAM OR HOT WATER BOILER-BURNER UNIT INSTALLATION & OPERATING INSTRUCTIONS



DESIGNED AND TESTED ACCORDING TO A.S.M.E. BOILER AND PRESSURE VESSEL CODE, SECTION IV FOR A MAXIMUM ALLOWABLE WORKING PRESSURE OF: 15 PSI STEAM OR 40 PSI WATER.

### TO INSTALLER

**NOTE: READ THESE INSTRUCTIONS CAREFULLY. THEY WILL SAVE YOU VALUABLE TIME WHEN ASSEMBLING THE BOILER.**

THESE INSTRUCTIONS TO BE LEFT WITH THE BOILER FOR REFERENCE PURPOSES.

**CAUTION: Do not use automotive anti-freeze in boiler waterways. If necessary to use anti-freeze, be sure to employ a preparation designed for hydronic heating systems such as ethylene or propylene glycol.**

CONSUMER, RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE PURPOSES.

**Smith**  
CAST IRON BOILERS

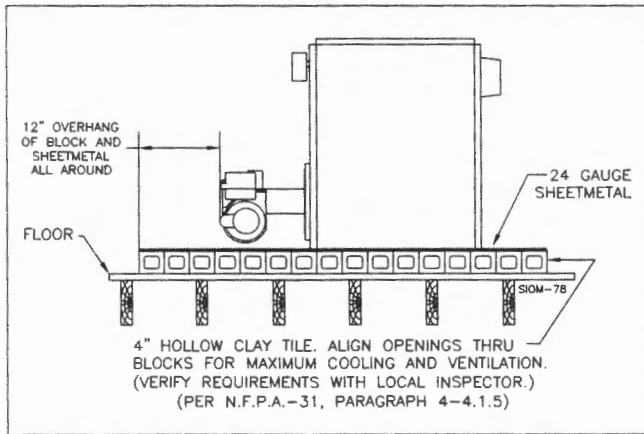
WESTCAST, INC.  
260 NORTH ELM STREET  
WESTFIELD, MA 01085  
TEL. (413) 562-9631 FAX (413) 562-3799

7555 TRANMERE DRIVE  
MISSISSAUGA, ONTARIO L5S 1L4  
TEL. (905) 672-2991 FAX (905) 672-2883

## BOILER LOCATION

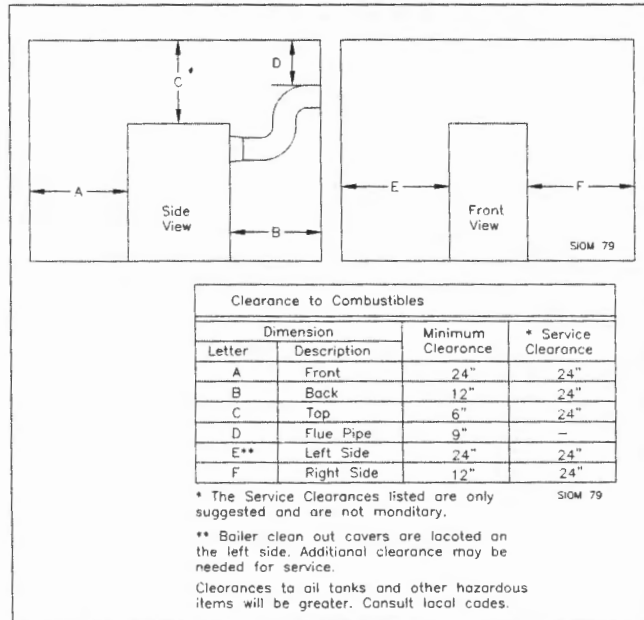
Boiler should be located on a smooth level concrete floor or pad close to the chimney to minimize breeching length. Allow access for boiler cleaning and burner maintenance.

Figure 1A



**CAUTION - Boiler shall be installed on non-combustible floor only, unless Figure 1A is followed.**

Figure 1B



## CHIMNEY AND BREECHING

Attach the smoke hood to the back of the boiler using the 4 brass machine screws making sure to install the gasket between the smoke hood and boiler. (Gasket and hardware located in literature bag.) The 3 and 4 section models are equipped with a 6" smoke hood, the 5 and 6 section models with a 7" smoke hood. The boiler must be vented with vent pipe having the same diameter as the smoke hood collar. Place the flue pipe over the smoke hood collar and secure it to the collar with a sheet metal screw.

The flue pipe should be run to the chimney by the most direct route, with the minimum number of elbows and with a slight upward pitch. The pipe should terminate flush with the inside face of the chimney and should be sealed in place with insulating cement. The boiler must be vented to the outdoors by means of a tile lined masonry chimney.

For energy conservation, the boiler can be vented directly into a chimney without the use of a barometric draft control, unless required by code or in instances where the chimney can develop excessive draft. **Overfire** draft greater than -0.05 inches W.C., with the burner in operation, is excessive (normal draft is -0.02 to -0.04" W.C.).

## COMBUSTION AND VENTILATION

Normal residential construction usually allows sufficient air infiltration for combustion. If construction is tight, consideration should be given for air louvers to the outside. Local codes or NFPA 31, "Installation of Oil Burning Equipment", should be referred to for proper sizing and design and air supply. In Canada refer to CSA STD. B149 - latest edition.

**WARNING: This boiler must be connected to a properly sized and constructed chimney or vent system! Failure to comply with this warning can result in a fire which could cause extensive property damage, severe personal injury or death!**



# PORTLAND MAINE

*Strengthening a Remarkable City, Building a Community for Life • [www.portlandmaine.gov](http://www.portlandmaine.gov)*

## Receipts Details:

**Tender Information:** Check , BusinessName: Charlie Burnham, Check Number: 822\$110.00

**Tender Amount:** 110.00

## Receipt Header:

**Cashier Id:** gguertin

**Receipt Date:** 11/29/2012

**Receipt Number:** 50642

## Receipt Details:

Referance ID:	8903	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	110.00	Charge Amount:	110.00
Job ID: Job ID: 2012-11-5484-HVAC - Install Smith 8 series 4 natural gas boiler			
Additional Comments: 216 Dartmouth St.			

**Thank You for your Payment!**