

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

# BUILDING PERMIT

This is to certify that MANTER, M BERRY M BERRY  
MANTER

Located At 46 EASTERN PROMENADE

Job ID: 2011-07-1616-HVAC

CBL: 003 - - K - 007 - 001 - - - -

has permission to Install new heating system

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**

7-15-11

## 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.



# PORTLAND MAINE

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

Director of Planning and Urban Development  
Penny St. Louis

Job ID: 2011-07-1616-HVAC

Located At: 46 EASTERN  
PROMENADE

CBL: 003 - - K - 007 - 001 - - - -

## **Conditions of Approval:**

### **Fire**

Installation shall comply with City Code Chapter 10.

Fuel-fired boilers shall be protected in accordance with NFPA 101, *Life Safety Code*.

Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*; NFPA 54, *National Fuel Gas Code*; NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.

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

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

|   |   |  |  |
|---|---|--|--|
| Job No:<br>2011-07-1616-HVAC                      | Date Applied:<br>7/1/2011   | CBL:<br>003 - - K - 007 - 001 - - - - -  |  |
| Location of Construction:<br>46 EASTERN PROMENADE | Owner Name:<br>BERRY MANTER   | Owner Address:<br>46 EASTERN PROMENADE<br>PORTLAND, ME - MAINE 04101   | Phone:   |
| Business Name:                                    | Contractor Name:<br>Charlie Burnham   | Contractor Address:<br>PO Box 382 FREEPORT MAINE 04032   | Phone:<br><br>(207) 865-9010   |
| Lessee/Buyer's Name:                              | Phone:  | Permit Type:<br>HVAC   | Zone:<br>R-6   |
| Past Use:<br><br>4 residential dwelling units     | Proposed Use:<br><br>Same: 4 residential dwelling units – to install a new heating system in the basement | Cost of Work:<br>\$13,000.00   | CEO District:  |
|   |   | Fire Dept:<br><br><input checked="" type="checkbox"/> Approved w/conditions<br><input type="checkbox"/> Denied<br><input type="checkbox"/> N/A | Inspection:<br>R-2<br>Use Group:<br>HVAC<br>Type: HVAC<br>State Gas Regs |
| Proposed Project Description:<br>Prestige SOLO 60 |   | Signature: <i>B. J. [Signature]</i> (58)   | Signature: <i>[Signature]</i>  |
|   |   | Pedestrian Activities District (P.A.D.)  |  |
| Permit Taken By: Lannie                           |   | <b>Zoning Approval</b>   |  |

|  |   |   |  |
|--|---|---|--|
| 1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.<br>2. Building Permits do not include plumbing, septic or electrical work.<br>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><br><input type="checkbox"/> Shoreland<br><input type="checkbox"/> Wetlands<br><input type="checkbox"/> Flood Zone<br><input type="checkbox"/> Subdivision<br><input type="checkbox"/> Site Plan<br>___ Maj ___ Min ___ MM<br>Date: <i>OK</i><br><i>7/12/11</i> | <b>Zoning Appeal</b><br><input type="checkbox"/> Variance<br><input type="checkbox"/> Miscellaneous<br><input type="checkbox"/> Conditional Use<br><input type="checkbox"/> Interpretation<br><input type="checkbox"/> Approved<br><input type="checkbox"/> Denied<br>Date: | <b>Historic Preservation</b><br><input checked="" type="checkbox"/> Not in Dist or Landmark<br><input type="checkbox"/> Does not Require Review<br><input type="checkbox"/> Requires Review<br><input type="checkbox"/> Approved<br><input type="checkbox"/> Approved w/Conditions<br><input type="checkbox"/> Denied<br>Date: |
|  | <b>CERTIFICATION</b>  |   |  |

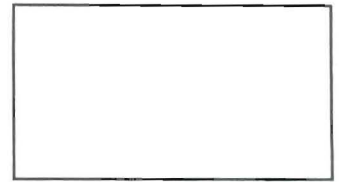
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the 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 | 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 46 Eastern Prom. Use of Building 3-k-7 Date 7-1-11

Name and address of owner of appliance Berry Mauter - 46 Eastern Prom, Portland

Installer's name and address Charlie Burnham Heating Service Inc.  
P.O. Box 382 Freeport ME 04032 Telephone 8659010

### Location of appliance:

- Basement
- Attic
- Floor
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

### Appliance Name:

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 CPVC pipe  
Factory built \_\_\_\_\_

Metal  
Factory Built U.L. Listing # \_\_\_\_\_

Direct Vent  
Type \_\_\_\_\_ UL# \_\_\_\_\_

### Type of Fuel Tank

- Oil
- Gas

R-6

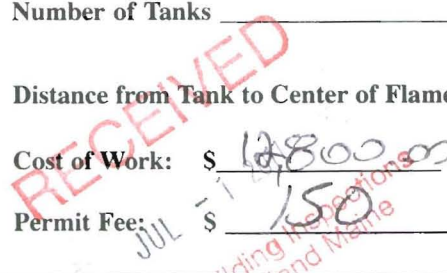
Size of Tank \_\_\_\_\_

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

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

Cost of Work: \$ 12,800.00

Permit Fee: \$ 150



Approved

Approved with Conditions

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

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

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

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [Signature]

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy



**TriangleTube**  
*Hot Water Specialists*

# prestige

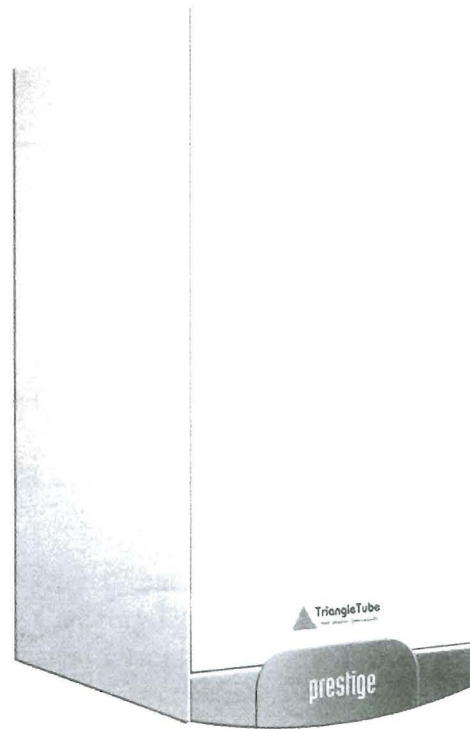
Solo 60

Solo 175

Solo 250

Solo 399

## Water Boiler



### \* INSTALLATION AND MAINTENANCE \* M A N U A L

#### NOTICE

Warranty Registration Card must be filled out by the customer and mailed within thirty (30) days of installation in order to gain warranty coverage.

When receiving the PRESTIGE Solo unit, any claims for damage or shortage in shipment must be filed immediately against the transportation company by the consignee.

Leave all documentation received with appliance with owner for future reference.

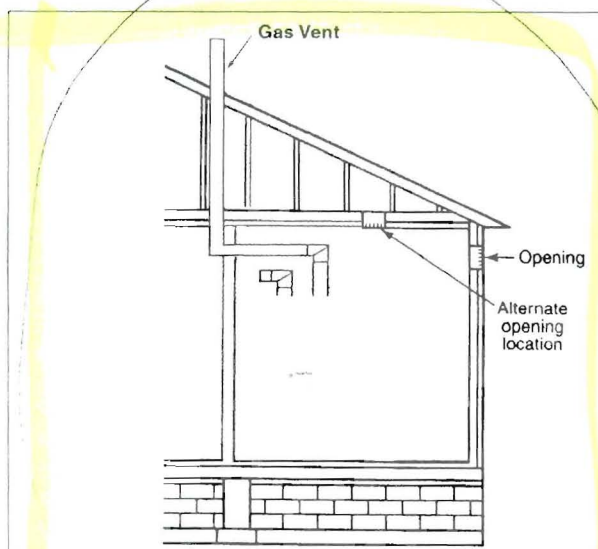
#### WARNING

**If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.**

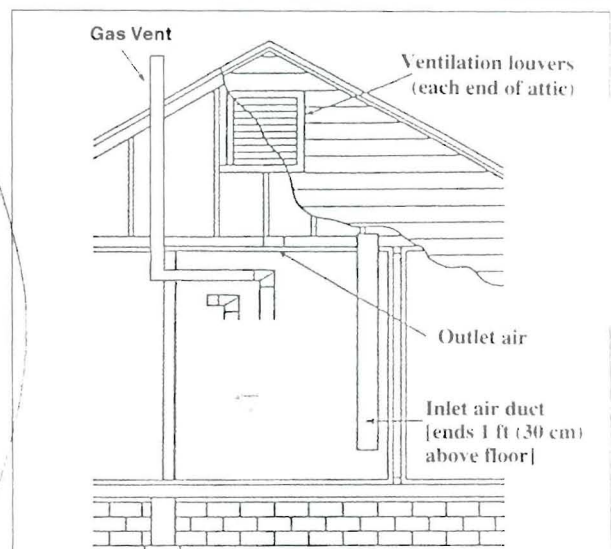
#### FOR YOUR SAFETY

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.



**Fig. 2: All Combustion Air from Outdoors Through One Permanent Air Opening**

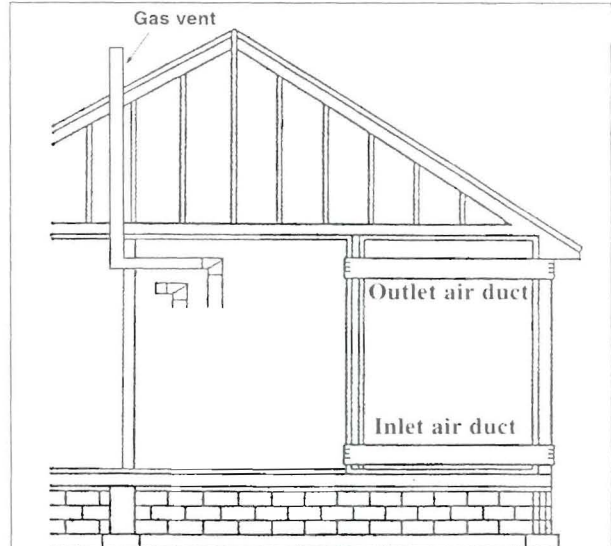


**Fig. 3: All Combustion Air from Outdoors Through Ventilated Attic**

## Two Permanent Openings Method.

Two permanent openings, one commencing within 12 in. of the top and one commencing within 12 in. of the bottom of the enclosure, shall be provided. The openings shall communicate directly, or by ducts, with the outdoors or spaces that freely communicate with the outdoors, as follows:

- Where directly communicating with the outdoors or where communication to the outdoors is through vertical ducts, each opening shall have a minimum free area of 1 sq. in./4000 Btu/hr of total input rating of all equipment in the enclosure. See Fig.3.
- Where communicating with the outdoors is through horizontal ducts, each opening shall have a minimum free area of not less than 1 sq.in./2000 Btu/hr of total input rating of all equipment in the enclosure. See Fig. 4.



**Fig. 4: All Combustion Air from Outdoors Through Horizontal Ducts**

## Combination of Indoor and Outdoor Combustion Air

**Indoor Openings:** Where used, openings connecting the interior spaces shall comply with the Indoor Combustion Air section on page 7.

### SECTION I - Pre-Installation Items

#### Code Compliance

This product must be installed in accordance to the following:

- All applicable local, state, national and provincial codes, ordinances, regulations and laws.
- For installations in Massachusetts, code requires the boiler to be installed by a licensed plumber or gas fitter, and if antifreeze is utilized, the installation of a reduced pressure backflow preventer device is required in the boiler's cold water fill or make up water supply line.
- For installation in Massachusetts all direct vented appliances must comply with the guidelines as outlined on page 11.
- The National Fuel Gas Code NFPA54/ANSI Z 223.1 - Latest edition.
- National Electric Code ANSI/NFPA 70.
- For installations in Canada --"Installation Code for Gas Burning Equipment" CGA/B149.1 or B149.2 Canadian Electrical Code Part I CSA C22.1.
- Standards for Controls and Safety Devices for Automatically Fired Boilers, ANSI/ASME CSD-1, when required.

#### NOTICE

**The PRESTIGE Solo boiler gas manifold and gas controls meet the safe lighting and other performance requirements as specified in ANSI Z21.13 latest edition.**

#### Determining Product Location

Before locating the PRESTIGE SOLO check for convenient locations to:

- Heating system piping
- Venting
- Gas supply piping
- Electrical service

Ensure the boiler location allows the combustion air/vent piping to be routed directly through the building and terminate properly outside with a minimum amount of length and bends.

Ensure the area chosen for the installation of the PRESTIGE Solo is free of any combustible materials, gasoline and other flammable liquids.

#### WARNING

**Failure to remove or maintain the area free of combustible materials, gasoline and other flammable liquids or vapors can result in severe personal injury, death or substantial property damage.**

Ensure the PRESTIGE Solo and its controls are protected from dripping or spraying water during normal operation or service.

The PRESTIGE Solo should be installed in a location so that any water leaking from the boiler or piping connections or relief valve will not cause damage to the area surrounding the unit or any lower floors in the structure.

#### Boiler Replacement

If the PRESTIGE Solo is replacing an existing boiler, the following items should be checked and corrected prior to installation:

- Boiler piping leaks and corrosion.
- Improper location and sizing of the expansion tank on the boiler heating loop.
- If applicable, level and quality of freeze protection within the boiler system

#### Recommended Clearances

The PRESTIGE Solo is approved for zero clearance to combustibles, excluding vent and boiler piping.

- Boiler Piping - 1/4 inch from combustible materials.



- Reference the appropriate vent supplement for clearance requirements.

### BEST PRACTICES

To provide serviceability to the unit it is recommended that the following clearances be maintained:

Top boiler jacket - 24 inches [610 mm].

Front - 24 inches [610 mm].

Bottom boiler piping - 24 inches [610 mm].

Rear - 0 inches

Sides - 6 inches [153 mm]

### WARNING

If the clearances listed above cannot be maintained, the space must be ventilated. See page 6 for ventilation requirements.

### NOTICE

When maintaining zero clearance or less than recommended clearances, some product labeling may become hidden and unreadable.

### WARNING

When installing the PRESTIGE Solo in a confined space, sufficient air must be provided for proper combustion and venting and to allow, under normal operating conditions, proper air flow around the product to maintain ambient temperatures within safe limits to comply with the National Fuel Gas Code NFPA 54 - latest edition.

## Residential Garage Installations

When installing the PRESTIGE Solo in a residential garage, the following special precautions per NFPA 54/ANSI Z223.1 must be taken:

- Mount the unit a minimum 18 inches [458 mm] above the floor level of the garage. Ensure the burner and ignition devices / controls are no less than 18 inches [458 mm] above the floor level.
- Locate or protect the unit in a manner so it cannot be damaged by a moving vehicle.

## Boiler Freeze Protection Feature

The boiler control has a freeze protection feature built in. This feature monitors the boiler temperature and responds as follows when no call for heat is present:

- 46°F Boiler circulator is ON
- 38°F Boiler circulator is ON and burner operates at low fire
- 50°F Burner OFF and boiler circulator operates for approximately 10 minutes

### CAUTION

The boiler freeze protection feature is disabled during a hard lockout, however the CH circulator will operate.

### CAUTION

The boiler freeze protection feature is designed to protect the boiler. The boiler should be installed in a primary/secondary piping arrangement if it is installed in an unheated space or exposed to water temperatures of 46°F or less. See Section IV for primary/secondary piping examples. See Section IX for antifreeze guides.



**CITY OF PORTLAND, MAINE**  
Department of Building Inspections

**Original Receipt**

\_\_\_\_\_ 7.1 20 11 \_\_\_\_\_

Received from \_\_\_\_\_ *Chandler Building* \_\_\_\_\_

Location of Work \_\_\_\_\_ *10 Parker Place* \_\_\_\_\_

Cost of Construction \$ \_\_\_\_\_ Building Fee: \_\_\_\_\_

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

Certificate of Occupancy Fee: \_\_\_\_\_

Total: 150

Building (IL) \_\_\_\_\_ Plumbing (I5) \_\_\_\_\_ Electrical (I2) \_\_\_\_\_ Site Plan (U2) \_\_\_\_\_

Other - HVAC

CBL: 3-67

Check #: 8072

Total Collected \$ 150

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

Taken by: *FA*

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