

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 08-1364	Issue Date:	CBL: 348 C063001
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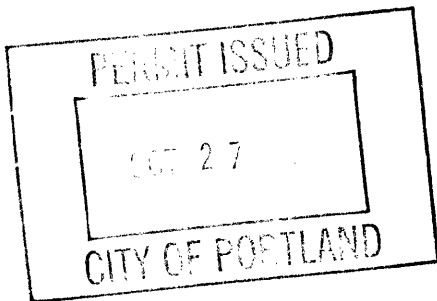
Location of Construction: 15 REGAN LN	Owner Name: CARTER MICHAEL D & ELIZAB	Owner Address: 15 REGAN LN	Phone:
Business Name:	Contractor Name: Caron & Waltz	Contractor Address: 321 Lincoln Street South Portland	Phone 2077992228
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R3

Past Use: Single Family Home	Proposed Use: Single Family Home - install a monitor EF3800	Permit Fee: \$50.00	Cost of Work: \$2,995.00	CEO District: 5
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: ^{SB} Use Group: R3 Type: HVAC	

Proposed Project Description: install a monitor EF3800	Signature:	Signature: <i>Jm 10/27/08</i>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature: _____ Date: _____		

Permit Taken By: ldobson	Date Applied For: 10/27/2008	Zoning Approval
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>(OK)</i> <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>Jm 10/27</i>	Zoning Appeal <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: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input checked="" 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>Jm 10/27</i>
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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 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	PHONE

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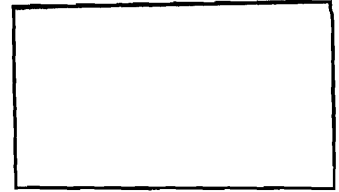
Dept: Zoning	Status: Approved	Reviewer: Tom Markley	Approval Date: 10/27/2008
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.			

Dept: Building	Status: Approved with Conditions	Reviewer: Tom Markley	Approval Date:
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) The installation must comply with the State of Maine Gas Regulations.			
2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			



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 15 REGAN LANE 348-C-63 Use of Building SFH Date _____

Name and address of owner of appliance MICHAEL + ELIZABETH CARTER

Installer's name and address CAROL + WALTZ, 321 LINCOLN ST, So. PORTLAND
ME 04106 Telephone 799-2228

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: MONITOR EF3800

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 5151
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type DEM UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 2995.00

Permit Fee: \$ 50

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Signature of Installer [Signature]

Approved with Conditions

See attached letter or requirement

Inspector's Signature _____

Date Approved _____

SECTION B

SPECIFICATIONS

Model No	GF 3800
Type of Appliance	Fan type direct vent wall furnace
Input Rating	Nat. Gas 38,000 BTU/hour LP. Gas 34,500 BTU/hour
Output Rating	Nat. Gas 30,700 BTU/hour LP. Gas 27,900 BTU/hour
Efficiency	83%
Electrical Rating	120V, 60Hz, Less than 2 amperes
Power Consumption	80 Watts
Heated Air Delivery	High 388 Cubic feet/minute Low 300 Cubic feet/minute
Flue Pipe Hole	2.5 inches diameter
Dimensions	Height: 26.6 inches (67.56cm) Width: 28.7 inches (72.90cm) Depth: 14.0 inches (35.50 cm)
Weight	82 pounds
Inlet Gas Supply Pressure	Nat. Gas Max. 10.5 inch W.C. (267 mmH ₂ O) Min. 5.1 inch W.C. (130 mmH ₂ O) LP. Gas Max. 13.0 inch W.C. (330 mmH ₂ O) Min. 11.0 inch W.C. (279 mmH ₂ O)
Manifold Test Pressure	Nat. Gas 3.4 inch W.C. (86 mmH ₂ O) LP. Gas 3.15 inch W.C. (80 mmH ₂ O)


The minimum and maximum inlet gas supply pressure are for the purpose of input adjustment. The efficiency rating of this appliance is a product of thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

SPECIAL FEATURES

- AUTOMATIC IGNITION**
- MEMORY BACK UP:** Set memory can be kept in case of power failure for up to 30 minutes.
- DUAL BLOWERS:** Separate fans for combustion and room air circulation.
- THERMOSTATICALLY CONTROLLED:** Adjusts to the desired room temperature.
- BUILT-IN TIMER:** Heater will automatically operate as programmed by the user.
- AUTOMATIC RESET AFTER POWER FAILURE:** Heater will automatically resume operation after power is restored.
- INDICATOR LIGHTS:** Easy-to-see signals show when heater is in operation, when timer is activated, and when the burner is operating.
- CLEAN OPERATION:** Products of combustion are vented outside.
- CONSUMES NO ROOM AIR:** Air for combustion is drawn from outside.
- EASY INSTALLATION:** Includes all parts required for standard installation.

SAFETY FEATURES

- SAFE RE-LIGHTING:** Heater will not restart until its combustion chamber has cooled.
- ELECTRICAL PROTECTION:** Heater automatically shuts off in the unlikely event of a malfunction in the electrical circuitry or disruption of the power supply.
- NO EXHAUST IN ROOM:** Products of combustion are discharged outdoors.
- FLUE PIPE:** Outside air is drawn through a pipe-within-a-pipe venting system. This process preheats combustion air and regains heat from exhaust gases.

 **CAUTION: ALTERNATE POWER SOURCES**
The Monitor GF3800 may not operate when powered by sources such as an auxiliary generator, UPS (Uninterrupted Power Source), inverters, etc. Check with your dealer for guidance on specific applications.

HEATER INSTALLATION

Step 1: Fill Out Owner Registration Card

Remove your owner registration card from the plastic envelope containing the owner's guide. It should be filled out and mailed as soon as possible.

Step 2: Check for Parts

Before discarding packing materials, be sure you have located the following:

- Manual Gas Valve
- Conversion Kit
- Flue Pipe
- Sleeve Nut
- Tray
- Room Temp. Sensor (attached to the rear of the heater)
- Cardboard Template
- "STANDARD" Damper
- "EXTENSION" Damper
- Wall Clamps (2)
- Rubber Packing
- Joint Pipe
- Cloth Insulation Cover
- Outer Flange
- Pipe Holder
- Small Bag of Screws:
 - Tapping, Type A - #8 x 3/4
 - Tapping, Type A - #8 x 5/16

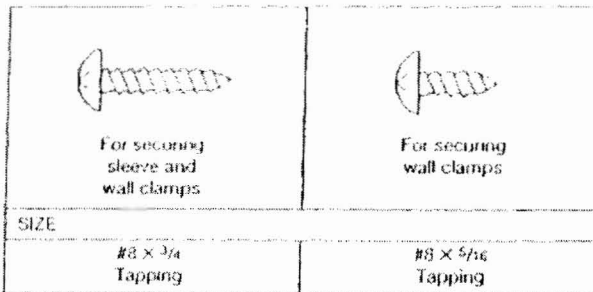


Fig. 3

Step 3: Choose a Location for Your Heater

In choosing a location for your heater, the following guidelines must be considered:

- The heater may be installed on combustible flooring on the metal tray provided.
- The area around the heater should be free of obstacles that might interfere with the free flow of air. Allow the clearances shown in Figure 4.
- The heater must not be installed in a fireplace.
- An AC wall outlet must be within reach of the heater's power cord. Extension cords must not be used.
- The area outside where the flue pipe will emerge should be free of foliage, fuel storage tanks and flammable objects. Air should circulate freely in the area. Allow the clearances shown in Figure 6 on the next page.
- Refer to Figure 4 to provide adequate accessibility clearances for servicing.

- The wall where flue pipe hole will be cut should be free of plumbing pipes, electrical wires, studs, air ducts and other obstacles.

NOTE: Use the cardboard template provided with your heater for flue pipe location.

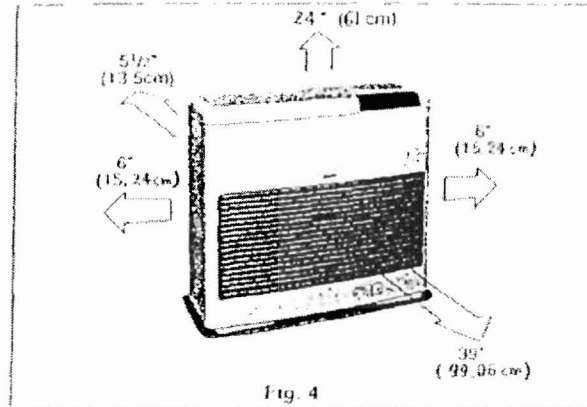


Fig. 4

Step 4: Drill a Pilot Hole

NOTE: The following directions apply to "standard" installation. For other methods, follow instructions included with accessory kits.

For walls up to 8 1/2 inches (22.0cm) thick, use a standard flue pipe; for walls up to 12 1/2 inches (31.5cm) thick, use a medium adjustable flue pipe kit; and for walls up to 20 inches (50.5cm) thick, use a long adjustable flue pipe kit.

Use the template to position the hole to be drilled. The "blue dot" indicates the exact center of the hole. Using an electric drill and a long drill bit, make a pilot hole through the wall (Figure 5). Be sure the hole extends through the outside wall.

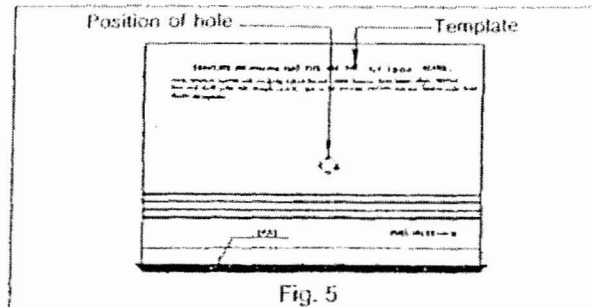
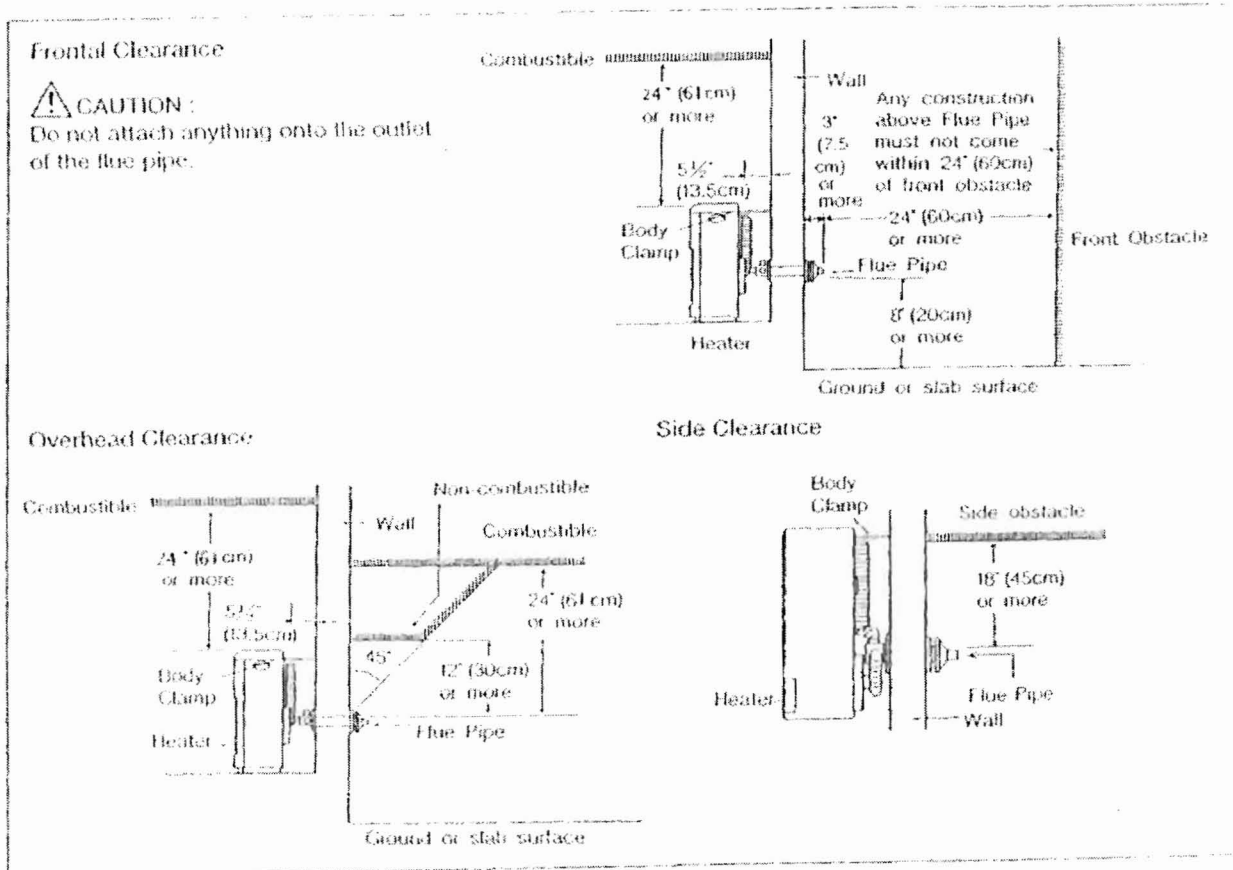


Fig. 5

CAUTION: The opening on the inside wall should be approximately 1/4 inch higher than on the outside wall so the flue pipe will slope downward when installed. This will allow condensation to drain outdoors.

FLUE PIPE CLEARANCES

- Vent terminal must be located at least 3 feet above any forced air inlet located within 10 feet.
- The vent terminal of a direct vent appliance with an input of 50,000 Btu per hour or less shall be located at least 9 inches from any opening through which flue gases could enter a building, and such an appliance with an input over 50,000 Btu per hour shall require a 12-inch vent termination clearance. The bottom of the vent terminal and the air intake shall be located at least 12 inches above grade.
- Flue pipe installations should provide for venting to a confined space through which there is a free flow of outdoor air. Clearances to adjacent walls or obstacles must comply with the requirements shown below.



IMPORTANT:

(1) In areas of heavy snow falls, ground surface clearance must be increased according to average snow falls, to prevent flue pipe from being buried.

(2) In open area with strong wind, a wind break may be necessary.

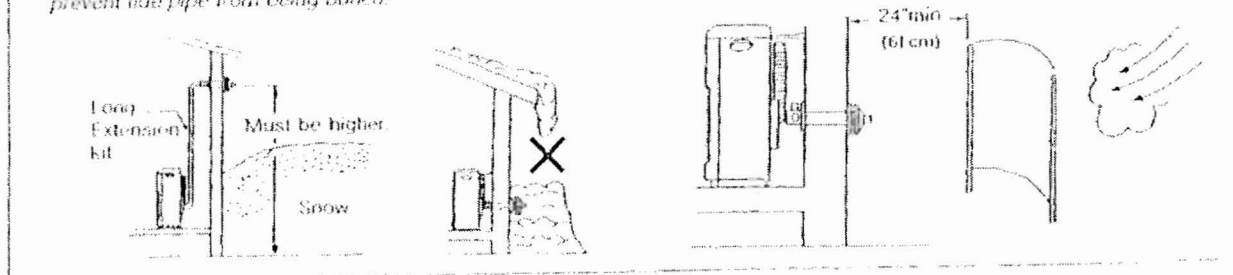


Fig. 6