

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that ERIN SMEAD

Located At 7 WALKER

Job ID: 2011-04-735-HVAC

CBL: 055 - - C - 019 - 307 - - - -

has permission to Install Weil-McLain Gold CGA Serial #2964111

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

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

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.**

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

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Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-04-735-HVAC Located At: 7 WALKER CBL: 055 - - C - 019 - 307 - - -

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Conditions of Approval:

Fire

Installation shall comply with City Code Chapter 10.

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.

Building

The installation must comply with the State of Maine gas regulations.

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

APR 12 2011

City of Portland

Job No: 2011-04-735-HVAC	Date Applied: 4/5/2011	CBL: 055 - - C - 019 - 307 - - - - -	
Location of Construction: 7 WALKER ST	Owner Name: ERIN SMEAD	Owner Address: 7 WALKER ST APT 3 PORTLAND, ME 04102	Phone:
Business Name:	Contractor Name: DARLING, TIMOTHY SCOTT	Contractor Address: 27 VANNAH AVE PORTLAND MAINE 04103	Phone: (207) 773-9525
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC - HVAC	Zone: R-6
Past Use: Single family condo	Proposed Use: Single family condo - install gas fired water boiler	Cost of Work: 3000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type: HVAC
Proposed Project Description: 7 Walker St., #3 - install gas boiler		Pedestrian Activities District (P.A.D.)	

Signature: *[Signature]* (58)

Permit Taken By: **Zoning Approval**

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. 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.</p>	<p>Special Zone or Reviews</p> <p><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</p> <p>Date: <i>OK w/condition</i> <i>4/7/11 ABM</i></p>	<p>Zoning Appeal</p> <p><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</p> <p>Date:</p>	<p>Historic Preservation</p> <p><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</p> <p>Date: <i>Any exterior work requires a separate review! approval thru historic preservation.</i></p>
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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	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 55 C 19 Use of Building Residential/Condo Date _____
 Name and address of owner of appliance Eric Smead, 7 Walker St. #3, Portland ME
04103
 Installer's name and address Tim Darling, Darling Plumbing & Heating
29 Vannah Ave, Portland ME 04103 Telephone 101 773 9525

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Weil-McLain Gold CGA
 U.L. Approved Yes No Serial # 2964111

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 # 405
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

- Metal

Factory Built U.L. Listing # 5 2011

- Direct Vent

Type _____ UL# _____

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Dept. of Building Inspections
City of Portland Maine

668 #

Type of Fuel Tank

- Oil
- Gas From Street

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 3000.00

Permit Fee: \$ 50

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer _____

4/15/11

7 Walker - 3 condos

Job Summary Report Job ID: 2011-04-735-HVAC

Report generated on Apr 5, 2011 2:35:42 PM

Job Type: HVAC	Job Description:	Job Year: 2011
Building Job Status Code: Initiate Plan Review	Pin Value: 1050	Tenant Name:
Job Application Date:	Public Building Flag: N	Tenant Number:
Estimated Value: 3,000	Square Footage:	
Related Parties:	ERIN SMEAD <i>Property Owner</i>	
	Darling Plumbing & Heating - TIMOTHY DARLING <i>PLUMBING CONTRACTOR</i>	

Job Charges

Fee Code Description	Charge Amount	Permit Charge Adjustment	Net Charge Amount	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Net Payment Amount	Outstanding Balance
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Location ID: 48880

Location Details

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
	055 C 019 307						-70.269873	43.652564

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				7 WALKER STREET WEST

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
RESIDENTIAL CONDOS		R-4			Historic District		DISTRICT 3	

Structure Details

Structure: Multi-unit Condo #3

Occupancy Type Code:					
Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address	
Mutli-Family 5+ Building	0			7 WALKER STREET WEST	
Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference
User Defined Property					Value

Permit #: 20112470

Permit Data

Job Summary Report
Job ID: 2011-04-735-HVAC

Report generated on Apr 5, 2011 2:35:42 PM

Page 2

Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date
48880	Multi-unit Condo #3	Initialized	Install Weil-McLain Gold CGA Serial #2964111			

Inspection Details						
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag

Fees Details								
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
Job Valuation Fees	\$50.00							

55 C19

5 Walker 405	3 Walker 403	7 Walker 307
305	303	207
205	203	107
105	103	<hr/>
<hr/>	<hr/>	4
4	4	



GOLD™ CGa

Gas-Fired Water Boilers

Boiler Manual

- Installation
- Maintenance
- Startup
- Parts



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APR - 5 2011

Dept. of Building Inspections
City of Portland Maine



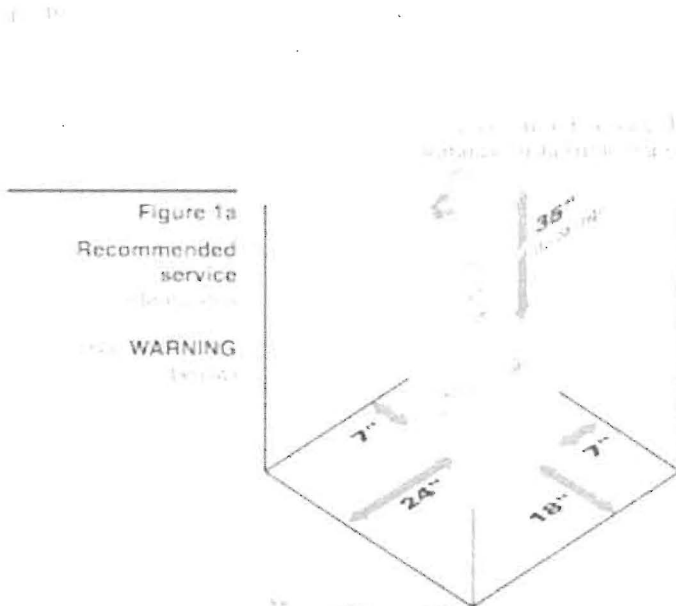
WARNING

This manual must only be used by a qualified heating installer/service technician. **Before installing**, read all instructions, including this manual, the burner manual and any related supplements. Perform steps in the order given. Failure to comply could result in severe personal injury, death or substantial property damage.



1b Prepare boiler location – clearances

Recommended SERVICE clearances (Fig. 1a)



WARNING If any clearance is less than in Figure 1a, provide openings for combustion and ventilation air located on the wall or door opposite the boiler FRONT (see Figure 1b).

These openings must be located as shown in Figure 1b to provide proper air flow around the boiler. The free area of each opening (after deducting for louvers) must be at least **one square inch per 1,000 Btuh** of boiler input. If the building is of unusually tight construction (see page 11 for definition), the air openings must connect directly to outside or the building must have air openings to the outside as specified on page 11.

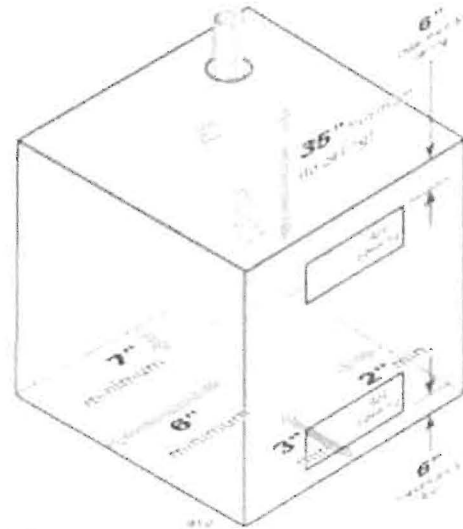
If clearances are equal to or greater than Figure 1a, see pages 10 and 11 for location and sizing of combustion air openings.

Failure to comply can result in severe personal injury, death or substantial property damage and reduced boiler life.

Required MINIMUM clearances (Fig. 1b)

- WARNING** Never install the boiler in a space with clearances less than the minimum clearances shown in Figure 1b. Failure to comply can result in severe personal injury, death or substantial property damage and reduced boiler life.
- Hot water pipes:** at least ½ inch from combustible material.
 - Single-wall vent pipe:** at least 6 inches from combustible material.
 - Type B double-wall metal vent pipe:** refer to vent manufacturer’s recommendation for clearances to combustible material.

Figure 1b Required MINIMUM clearances



Flooring

The CGa boiler is approved for installation on combustible flooring, but it is never to be installed on carpeting.

- WARNING** Do not install boiler on carpeting even if foundation is used. Fire can result, causing severe personal injury, death or substantial property damage.

Foundation

- Provide a solid brick or minimum 2-inch thick concrete foundation pad if any of the following is true:
 - floor can become flooded.
 - the boiler mounting area is not level.
- Minimum dimensions are 25" length by:

Minimum foundation width:			
CGa-25/3	12"	CGa-6	21"
CGa-4	15"	CGa-7	24"
CGa-5	18"	CGa-8	27"

Residential garage installations

Take the following special precautions when installing the boiler in a residential garage. If the boiler is located in a residential garage, per ANSI Z223.1:

- Mount the boiler a minimum of **18 inches above the floor** of the garage to assure the burner and ignition devices will be no less than 18 inches above the floor.
- Locate or **protect the boiler** so it cannot be damaged by a moving vehicle.

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City of Portland, Maine

1c Prepare boiler location – vent system



Failure to follow all instructions can result in flue gas spillage and carbon monoxide emissions, causing severe personal injury or death.



Inspect existing chimney before installing boiler. Failure to clean or replace perforated pipe or tile lining will cause severe personal injury or death.



Do not alter boiler draft hood or place any obstruction or non-approved vent damper in breeching or vent system. CSA certification will become void. Flue gas spillage and carbon monoxide emissions will occur causing severe personal injury or death.

When removing boiler from an existing common vent system:

At the time of removal of an existing boiler, the following steps shall be followed with each appliance remaining connected to the common venting system placed in operation, while the other appliances remaining connected to the common venting system are not in operation.

- a. **Seal any unused openings** in the common venting system.
- b. **Visually inspect the venting system** for proper size and horizontal pitch and determine there is no blockage or restriction, leakage, corrosion or other deficiencies which could cause an unsafe condition.
- c. **Test vent system** — Insofar as is practical, close all building doors and windows and all doors between the space in which the appliances remaining connected to the common venting system are located and other spaces of the building. Turn on clothes dryers and any appliance not connected to the common venting system. Turn on any exhaust fans, such as range hoods and bathroom exhausts, so they will operate at maximum speed. Do not operate a summer exhaust fan. Close fireplace dampers.
- d. **Place in operation** the appliance being inspected. Follow the lighting/operating instructions. Adjust thermostat so appliance will operate continuously.
- e. **Test for spillage** at draft hood relief opening after 5 minutes of main burner operation. Use the flame of a match or candle.
- f. After it has been determined that **each appliance** remaining connected to the common venting system properly vents when tested as outlined above, return doors, windows, exhaust fans, fireplace dampers, and any other gas-burning appliance to their previous conditions of use.

Any improper operation of common venting system should be corrected so the installation conforms with the National Fuel Gas Code, ANSI Z223.1-latest edition. Correct by resizing to approach the minimum size as determined using the appropriate tables in Part 11 of that code. Canadian installations must comply with B149.1 or B149.2 Installation Code.

Chimney or vent requirements

1. Venting must be installed according to Part 7, Venting of Equipment, of National Fuel Gas Code, ANSI Z223.1-latest edition and applicable building codes. Canadian installations must comply with B149.1 or B149.2 Installation Codes.
2. See Ratings table on page 67 for minimum chimney or vent sizes. A chimney or vent **without a listed cap** should extend **at least 3 feet above the highest point** where it passes through a roof of a building and **at least 2 feet higher than any portion of a building within a horizontal distance of 10 feet**. A chimney or vent must not extend less than the distances stated above.
3. A lined chimney is preferred and must be used when required by local, state, provincial and national codes, laws, regulations and ordinances. Vitreous tile linings with joints that prevent retention of moisture and linings made of noncorrosive materials are best. Advice for flue connections and chimney linings can be obtained from local gas utility. **Type B** double-wall metal vent pipe or single-wall vent pipe may be used as a liner.
4. Cold masonry chimneys, also known as outside chimneys, typically have one or more walls exposed to outside air. When any atmospheric gas-fired boiler with automatic vent damper is vented through this type of chimney, the potential exists for condensation to occur. Condensation can damage a masonry chimney. Weil-McLain recommends the following to prevent possible damage.
 - a. Line chimney with corrosion-resistant metal liner such as AL29-4C® single-wall stainless steel or B-vent. Size liner per National Fuel Gas Code ANSI Z223.1-latest edition.
 - b. Provide drain trap to remove any condensate.
5. Where two or more gas appliances vent into a common chimney or vent, equivalent area should be **at least equal** to area of vent outlet on largest appliance **plus 50 percent** of vent outlet area on additional appliance.