

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 08-0988	Issue Date:	CBL: 058 A024001
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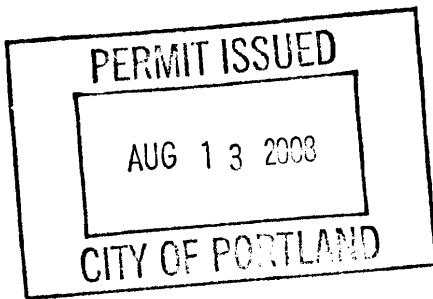
Location of Construction: 36 SALEM ST	Owner Name: COYNE JO ELLEN	Owner Address: 36 SALEM ST	Phone:
Business Name:	Contractor Name: S. P. Plumbing & Heating Inc.	Contractor Address: 120 Thadeus Street, Suite 8 South Port	Phone 2077757277
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Two Family Residential	Proposed Use: Two Family Residential - Install 2 Direct Vent Gas Heating Systems in Basement	Permit Fee: \$230.00	Cost of Work: \$20,500.00	CEO District: 2
Proposed Project Description: Install 2 Direct Vent Gas Heating Systems in Basement		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: 5B IRC 2003 Signature: Jm 8/12/08	
		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: lmd	Date Applied For: 08/11/2008	Zoning Approval	
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- 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	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>NA</i> <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: Jm 8/12/08	<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:	<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 <i>NA</i> <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: Jm 8/12/08



CERTIFICATION

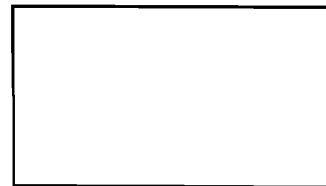
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 36 Salem St Use of Building Mult. Family Date 8/7/08
 Name and address of owner of appliance Jeanne Payne 2nd flr
36 Salem St Portland ME 04102
 Installer's name and address S.P. Plumbing & Heat Inc
120 Thaddeus St Suite 8 Telephone 775-7277
50 Portland, ME 04106

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
 - Oil
 - Solid
- 1 Triangle tube PS110 1st

Appliance Name: Triangle tube / Masonry 2nd

U.L. Approved Yes No PS110

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: AUG 11 2008

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PN1313
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type PVC UL# _____

Type of Fuel Tank

- Oil
- Gas 1 Street

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 7050.00

Permit Fee: \$ 230.00

Approved

Approved with Conditions

Fire: _____

Ele.: _____

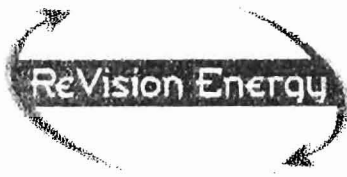
Bldg.: _____

See attached letter or requirement

Signature of Installer _____

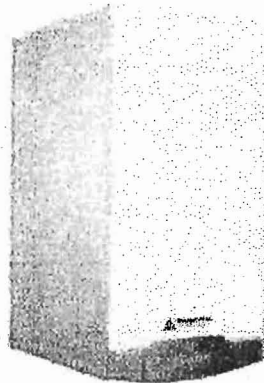
Inspector's Signature _____

Date Approved _____



Prestige Condensing Gas Boiler Installation Proposal

Client: Jo Coyne
 Address: 36 Salem Street, Portland, ME
 Date: March 7, 2008



Model	Performance	Cost	Tax Credit	Net Cost
Prestige Solo 110 Wall-mounted, modulating, condensing gas boiler with direct vent.	<ul style="list-style-type: none"> This boiler has a 95% AFUE and Energy Star Certification Stainless steel heat exchanger and burner 	\$9,161* Installed	-\$ 150 fed tax credit	\$8,861

Overview

This system, as designed, is a Prestige Solo 110 modulating, condensing boiler system. The system will provide heat and hot water (via an indirect tank). The Natural Gas Boiler will provide heat for two heating zones and the upper coil of the indirect solar tank (quoted separately) The Prestige Boiler will be direct vented out the side of the house. The Prestige will be mounted, plumbed and wired.

Component Specification

- One Prestige Solo 110 Condensing boiler
(<http://www.triangletube.com/CondensingBoilers/PrestigeOverview.htm>)
- Two Taco Zone valves
- Taco 403 Zone valve control box
- Prestige Outdoor Reset Control Sensor



System Operation System Operation

The Triangle Tube Prestige Solo 110 is an advanced, modulating, condensing gas boiler with integrated circulator and advanced boiler control. This boiler features a unique stainless steel combustion chamber and has the capability to modulate down to 25% of its rated input. This modulation results in fewer burn cycles and less fossil fuel consumption.

Whenever there is a call for heat the Prestige boiler will come on. The boiler will provide the correct temperature based on feedback from the outdoor temperature sensor. When it is warm outside, the boiler will make cooler water for the heating zones, thus improving the already impressive efficiency of the boiler. Whenever the hot water in the storage tank is not hot enough from the solar input, the boiler will heat the upper coil of the domestic hot water tank. The Prestige Boiler will provide both high and low temperature water and modulate according to the demand.

Warranty

Triangle Tube offers a limited 10 year warranty on the boiler.
ReVision Energy warrants our work for a period of 1 year.
See attached ReVision Energy Warranty policy.

Scope of Work:

Price to include the following:

- Purchase and installation of the boiler, including venting, and piping to distribution board for two space heating zones.
- Integration with solar hot water system (quoted separately) for seamless domestic hot water backup.
- Installation of gas piping from the boiler to nearest shut of valve provided by customer or gas company.
- All necessary licenses and certifications for a code-compliant installation
- Filing all necessary permits for the city of Portland

Price does not include the following:

- Specification, design or installation of heat distribution (radiators) or thermostats.
- Trouble shooting of thermostats, plumbing and piping installed by other technicians. Any service issues with these systems will be done on a T & M (time and material) basis.
- The DHW tank (which is included in our solar proposal)
- Tying condensate from boiler into domestic drainage.

Payment Terms

One-Third due upon acceptance of this contract

One-Third due upon delivery of boiler

Balance due upon fulfillment of this contract





Notes:

- Direct-vent boilers have specific clearance requirements from their vent terminals; our installers need to discuss these with the contractor in detail as early as possible. This will help eliminate possible installation difficulties or the additional costs of complicated venting modifications.
- *Condensing boilers can produce a gallon or more of mildly acidic waste water per day. The price of this contract assumes that provisions will be made by the client or contractor to drain this condensate in accordance with prevailing code. This means that we may require a floor to perimeter drain near the boiler, or an outlet to house waste lines adjacent to the boiler. This should be discussed prior to acceptance of the bid.
- If the client specifies design changes which result in the need for materials or labor beyond the scope of this contract, these should be discussed as early as possible. A change order will be negotiated and drawn up in writing after the details are agreed upon by the client, the contractor, and ReVision Energy.
- Non-contract labor is billed at approximately \$52/hour; this rate applies to additional travel time and additional office time (design changes, preparation of a change order, etc.).
- The Prestige Solo 110 boiler is a very high efficiency boiler that will achieve AFUE combustion efficiencies of 90+ %. It is the highest efficiency boiler available on the market today. However, at the end of the day the amount of energy consumed by a house is primarily determined by the efficiency of the house itself. Poor or minimal insulation will lead to poor energy performance. Energyworks makes no claims of the actual performance of any boiler other than that it will achieve AFUE ratings as per manufacturer's claims.

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Dept: Zoning	Status: Not Applicable	Reviewer:	Approval Date:	Ok to Issue: <input checked="" type="checkbox"/>
Note:				
Dept: Building	Status: Approved with Conditions	Reviewer: Tom Markley	Approval Date: 08/12/2008	Ok to Issue: <input checked="" type="checkbox"/>
Note:	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.			