

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

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

Permit No: 08-1392	Issue Date:	CBL: 410 F005001
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Location of Construction: 70 DEMEREST ST	Owner Name: HABITAT FOR HUMANITY/ GR	Owner Address: PO BOX 10505	Phone:
Business Name:	Contractor Name: Revision Energy LLC	Contractor Address: 109 Fox Street Portland	Phone 2072216342
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: P3

Past Use: Single Family Home	Proposed Use: Single Family Home - install a Prestige Solo 110 gas Water boiler	Permit Fee: \$90.00	Cost of Work: \$7,000.00	CEO District: 4
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<b>FIRE DEPT:</b> <input type="checkbox"/> Approved <input type="checkbox"/> Denied Signature: <i>[Signature]</i>	<b>INSPECTION:</b> Use Group: <i>[Signature]</i> Type: Signature: <i>[Signature]</i>
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**Proposed Project Description:**  
install a Prestige Solo 110 gas Water boiler

**PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)**

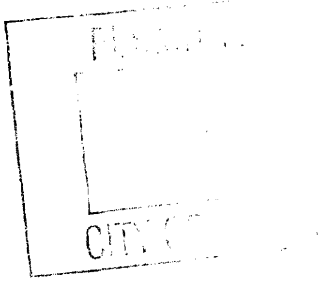
Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: Idobson	Date Applied For: 10/30/2008	<b>Zoning Approval</b>
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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 information may invalidate a building permit and stop all work..

<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>11/7/08</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 District 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>11/07/08</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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<b>Permit No:</b> 08-1392	<b>Date Applied For:</b> 10/30/2008	<b>CBL:</b> 410 F005001
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<b>Location of Construction:</b> 70 DEMEREST ST	<b>Owner Name:</b> HABITAT FOR HUMANITY/ GR	<b>Owner Address:</b> PO BOX 10505	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Revision Energy LLC	<b>Contractor Address:</b> 109 Fox Street Portland	<b>Phone</b> (207) 221-6342
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

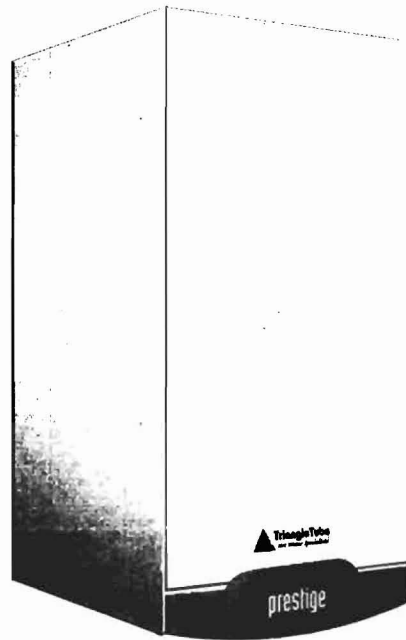
<b>Proposed Use:</b> Single Family Home - install a Prestige Solo 110 gas Water boiler	<b>Proposed Project Description:</b> install a Prestige Solo 110 gas Water boiler
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<b>Dept:</b> Zoning	<b>Status:</b> Approved	<b>Reviewer:</b> Tammy Munson	<b>Approval Date:</b> 11/07/2008
<b>Note:</b>			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
<b>Dept:</b> Building	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Tammy Munson	<b>Approval Date:</b> 11/07/2008
<b>Note:</b>			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
1) The installation must comply with the State of Maine Gas Regulations.			

# prestige

## Solo 110

### 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.

### Methods of Accessing Combustion Air Into A Space - Category IV

#### Indoor Combustion Air

##### NOTICE

The methods listed in this section for accessing Indoor Combustion Air assume that the infiltration rate is adequate and not less than .40 ACH. For infiltration rates less than .40 ACH, reference the NFPA 54 National Fuel Gas Code for additional guidance.

#### Opening Size and Location

Openings used to connect indoor spaces shall be sized and located in accordance with the following see Fig. 1:

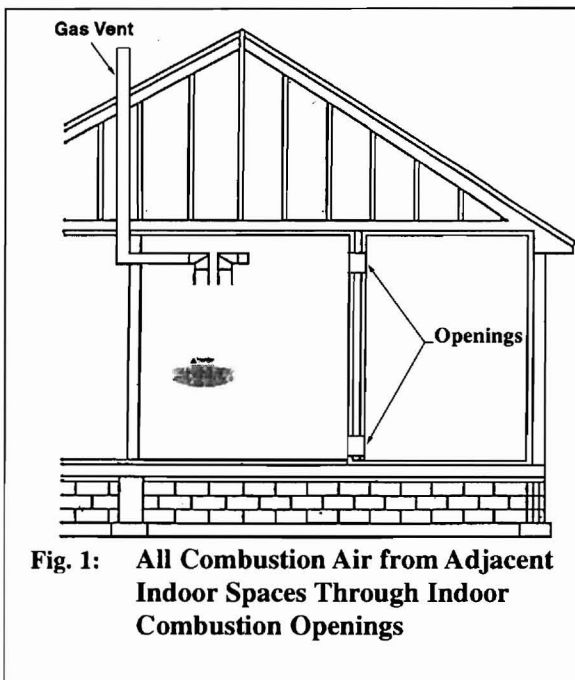


Fig. 1: All Combustion Air from Adjacent Indoor Spaces Through Indoor Combustion Openings

- Combining spaces on the same story. Each opening shall have a minimum free area of 1 sq. in./1000 Btu/hr of the total input rating of all gas utilization equipment in the space, but not less than 100 sq. inches. One opening shall commence within 12 inches of the top, and one opening shall commence within 12

inches of the bottom of the enclosure. The minimum dimension of air openings shall be not less than 3 inches.

- Combining spaces in different stories. The volumes of spaces in different stories shall be considered as communicating spaces where such spaces are connected by one or more openings in doors or floors having a total minimum free area of 2 sq. in./1000 Btu/hr of total input rating of all gas utilization equipment.

#### Outdoor Combustion Air

##### BEST PRACTICES

**Isolating the combustion appliance room from the rest of the building and bringing in uncontaminated outside air for combustion and ventilation is always preferred.**

#### Opening Size and Location

The minimum dimension of air openings shall be not less than 3 inches

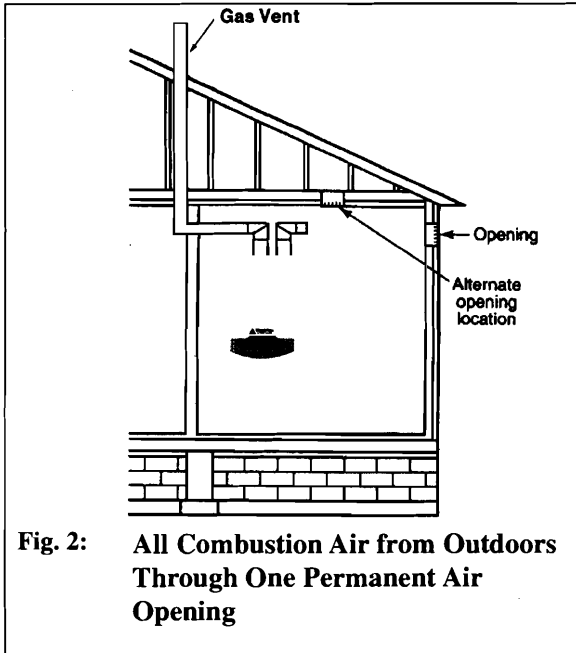
Openings used to supply combustion and ventilation air shall be sized and located in accordance with the following:

One Permanent Opening Method. See Fig. 2

One permanent opening, commencing within 12 in. of the top of the enclosure, shall be provided. The equipment shall have clearances of at least 1 inch from the sides and 6 in. from the front of the appliance. The opening shall directly communicate with the outdoors or shall communicate through a vertical or horizontal duct to the outdoors or spaces that freely communicate with the outdoors and shall have a minimum free area of the following:

- 1sq. in./3000 Btu/hr of the total input rating of all equipment located in the enclosures, and

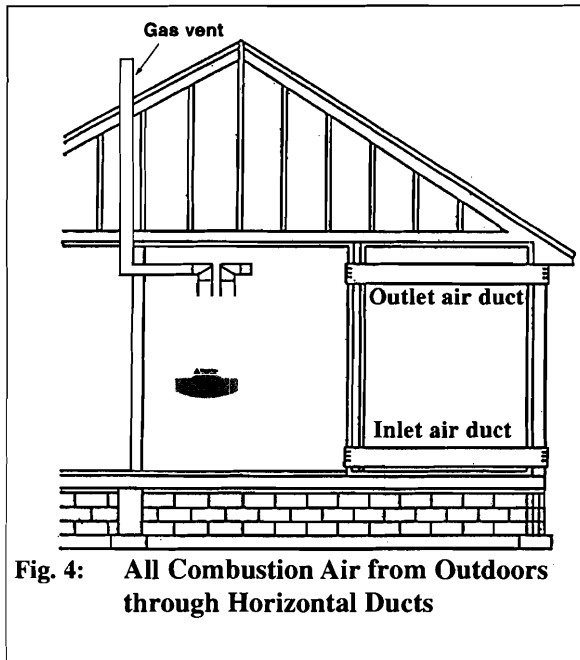
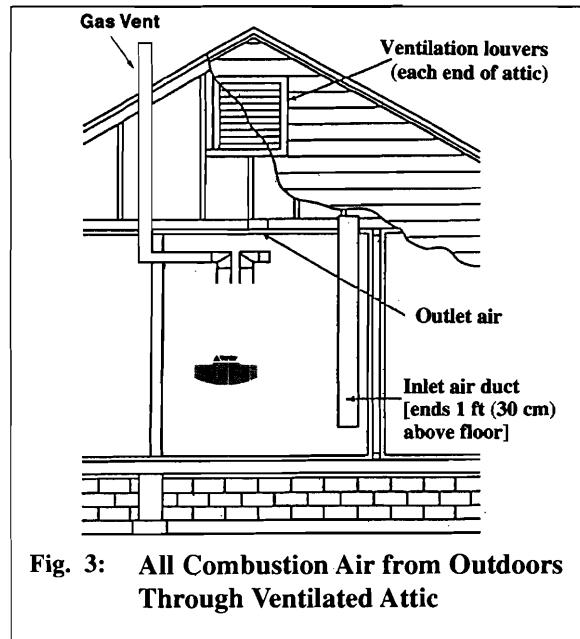
- Not less than the sum of the areas of all vent connectors in the space.



### Two Permanent Openings Method.

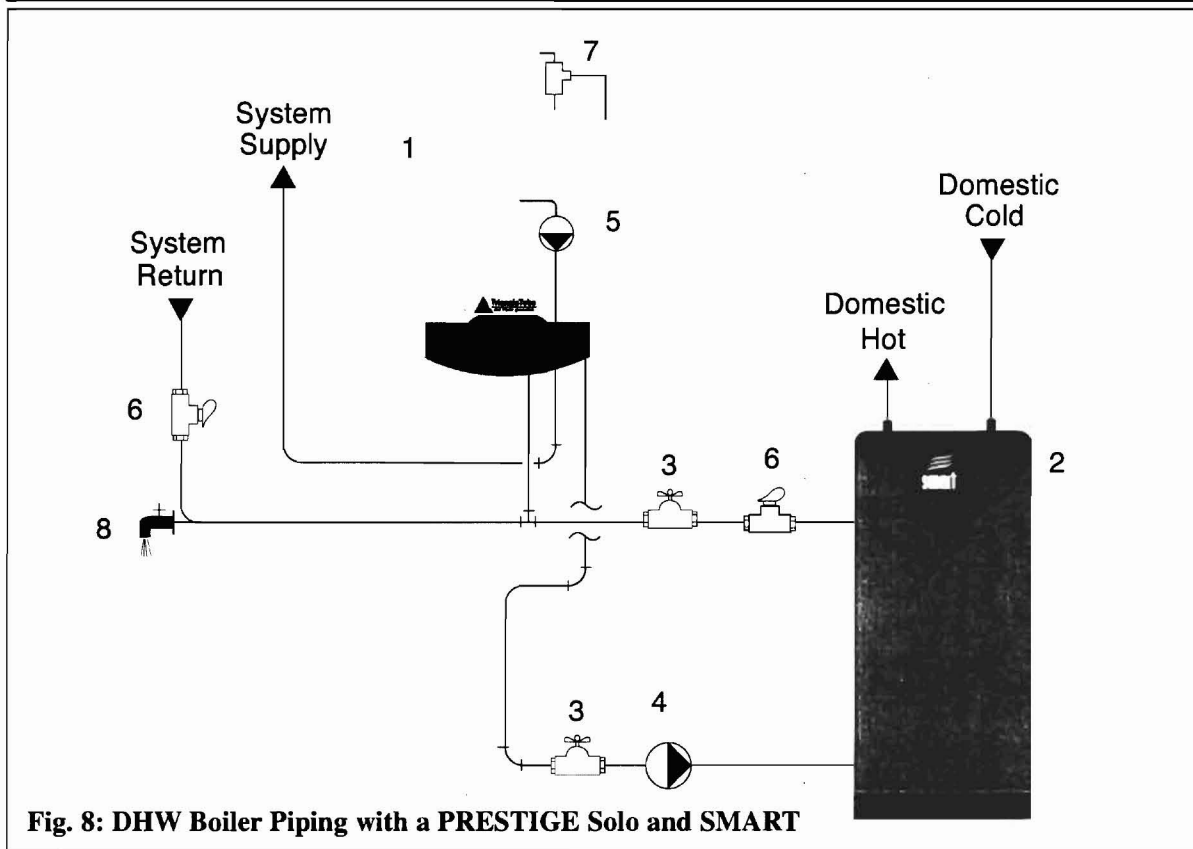
Two permanent openings, one commencing within 12 in. of the top and one commencing within 12 in. of the bottom of the enclosure, shall be provided. The openings shall communicate directly, or by ducts, with the outdoors or spaces that freely communicate with the outdoors, as follows:

- 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.



### 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.



**Fig. 8: DHW Boiler Piping with a PRESTIGE Solo and SMART**

- |                             |                          |
|-----------------------------|--------------------------|
| 1. PRESTIGE Solo boiler     | 6. Flow/check valve      |
| 2. SMART water heater       | 7. Pressure relief valve |
| 3. Isolation valve          | 8. Drain/purge valve     |
| 4. DHW circulator           |                          |
| 5. CH circulator (provided) |                          |

**NOTICE**

**The boiler system piping shown in Fig. 8 must be a “closed” system to avoid any oxygen contamination and potential failure of the outer tank of the Smart.**

**From:** "Pat Coon" <pat@revisionenergy.com>  
**To:** <ldobson@portlandmaine.gov>  
**Date:** 10/30/2008 1:04:35 PM  
**Subject:** (Block)

Lannie,

I've attache a PDF and a URL for the Prestige Solo Plus 110

You'll find Combustion and Venting Requirements on Pages 5 through 6

We plan on venting the exhaust through the roof and the intake air from =  
the wall.

Let me know if you have any questions, and thanks for your help.

Patrick Coon

ReVision Energy  
formerly Energyworks  
C: (207) 323-1805=20  
O: (207) 589-4171 (Liberty)

.URL attachment type(s) blocked  
This message contained attachments that have been blocked  
by Guinevere. Please see your system administrator for  
more details