

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that VESTA CORP

Located At 11 BALLPARK DR

Job ID: 2012-07-4540-HVAC

CBL: 371- A-046-001

has permission to install an HVAC system (Single Family Residence).

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

08/01/2012

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

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.**
1. Close-In: (Electrical, Plumbing, Framing)
 2. Final Inspection

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
Jeff Levine

Job ID: 2012-07-4540-HVAC

Located At: 11 BALLPARK DR

CBL: 371- A-046-001

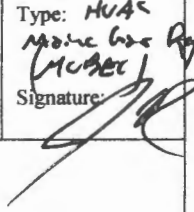
Conditions of Approval:

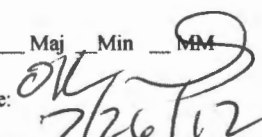
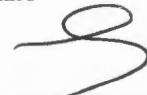
Building

1. The installation must comply with UL, the Manufacturers' Listing, MUBEC (IRC, 2009), and State of Maine Gas Regulations.
2. Separate permits are required for any electrical: plumbing, sprinkler, fire alarm, HVAC systems, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
3. Maintain proper setback(s) from property lines/buildings and proper clearances from vertical openings when direct venting
4. A Carbon Monoxide (CO) alarm shall be installed in each area within or giving access to bedrooms. That detection must be powered by the electrical service (plug-in or hardwired) in the building and battery.
5. M1804.2.5 Direct vent terminations. Vent terminals for direct-vent appliances shall be installed in accordance with the manufacturer's installation instructions.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-07-4540-HVAC	Date Applied: 7/25/2012	CBL: 371- A-046-001	
Location of Construction: 11 BALLPARK DR	Owner Name: VESTA CORP	Owner Address: PO BOX 1464, PORTLAND, ME 04104	Phone:
Business Name:	Contractor Name: S.P. Plumbing & Heating	Contractor Address: 120 Thadeus Street, Suite 8, So. Portland, ME 04106	Phone: 775-7277
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-2
Past Use: Single family dwelling under construction	Proposed Use: Single family dwelling – to install Pensotti heating system	Cost of Work: \$9,000.00	CEO District:
		Fire Dept: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input checked="" type="checkbox"/> N/A	Inspection: Use Group: Type: HVAC None Gas Appliance (MUGER) Signature: 
Proposed Project Description: Install gas Pensotti boiler in basement		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Gayle		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 informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>___ Maj ___ Min ___ MM</p> <p>Date:  7/26/12</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: </p>
	CERTIFICATION		

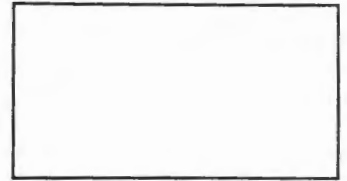
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition,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



2012 07 4540 66

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 11 Ballpark Drive / 371-A-46 Use of Building Single family Date 7/25/12
 Name and address of owner of appliance VESTA Corp PO Box 1464 - Portland, ME 04108
11 Ballpark Drive Portland, ME
 Installer's name and address S.P. Plumbing & Heating Inc
120 Thadous St. Suite 8 So. Portland, ME 04106 Telephone 775-7277

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

PENSOTTI

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 # PNT1383
- Other _____

Type of Chimney:

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

RECEIVED

Type of Fuel Tank

- Oil
 - Gas
- Dept. of Building Inspections
City of Portland Maine

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame 50+ feet.

Cost of Work: \$ 9,000.00

Permit Fee: \$ 110.00

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy



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Receipts Details:

Tender Information: Check , BusinessName: S.P. Plumbing & Heating, Inc, Check Number: 13825

Tender Amount: 110.00

Receipt Header:

Cashier Id: gguertin

Receipt Date: 7/25/2012

Receipt Number: 46343

Receipt Details:

Referance ID:	7397	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	110.00	Charge Amount:	110.00
Job ID: Job ID: 2012-07-4540-HVAC - Install gas Pensotti boiler in basement			
Additional Comments: 11 Ballpark Dr. S.P. Plumbing & Heating			

Thank You for your Payment!



PENSOTTI Solenne Series

Concentric Vent Pipe Installation Information

To ease the assembly of the vent pipe, apply a small amount of the included silicone grease to lubricate the inner and outer pipe gaskets before assembly and securing.



Use only silicone grease to lubricate pipe joints.

DO NOT use any other greases or oils.

Avoid contact with eyes and skin.

Maximum Vent Lengths

Boiler Model	Maximum Vent Length
PCH 34B / PCC 34 / PCI 34/20	26 Feet
PCH 18 / PCI 18/8	29 Feet
PCH 50B	16 Feet

Equivalent Fitting Lengths

Fitting	Equivalent Length
90° Elbow	2.6 Feet
45 ° Elbow	1.64 Feet
Extensions/Terminations	Measured Lengths

On **Horizontal** vent systems the 2/4" to 3.15/5" transition and first elbow are not calculated into the equivalent length of run.

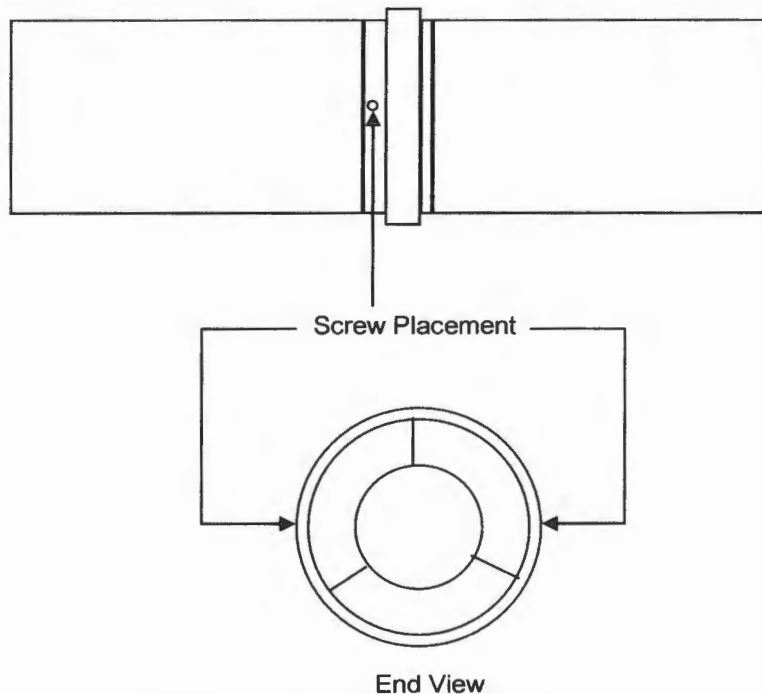
On **Vertical** vent systems the vent termination is not calculated into the equivalent length of run.

PNA, Inc
PO Box 3358
34 Coffin Ave Brewer, ME 04412
P 207.942.3636 | F 207.942.3737
www.pensotti-pna.com | info@pensotti-pna.com

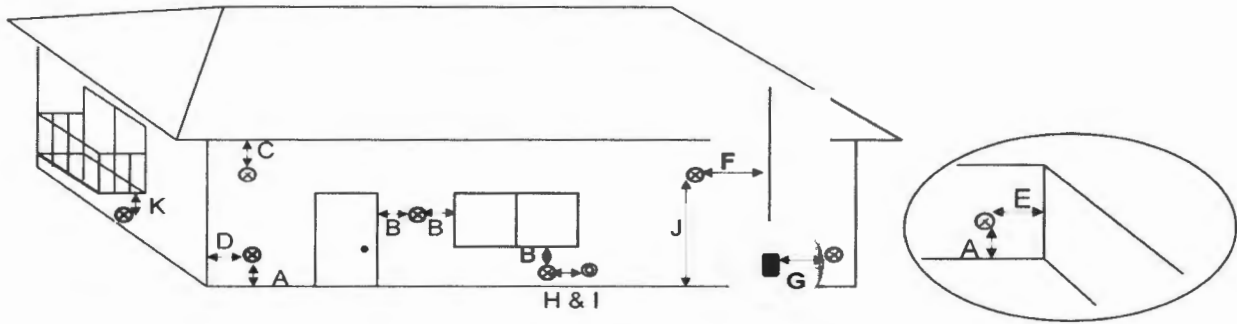
Fastening of Venting Components

All concentric venting systems installed with Pensotti Solenne condensing wall mounted boilers must be fastened together to reduce the chance of the venting components separating.

Two screws must be fastened through the outer air intake pipe, behind the gasket, at equal distances apart. The screws must be no longer than No. 8 x 1/2" sheet metal screws and must be zinc coated or stainless steel.



**Be sure not to pierce the inner poly exhaust pipe.
Failure to comply with these instructions could result in
property damage, personal injury or loss of life.**



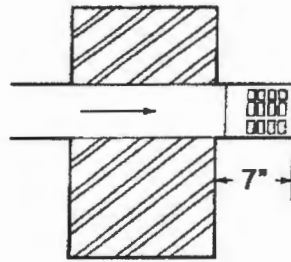
Direct Vent Termination Minimum Clearances	
A = 12"	Clearance above grade, snowline, deck, porch or balcony
B = 12"	Clearance to window or door that may be opened
C = 24"	Vertical clearance to ventilated and unventilated soffit within a 2' distance horizontally from center line of DV termination
D = 12"	Minimum distance to outside corner
E = 18"	Minimum distance to inside corner, included walls and fences.
F = 48"	Not to be installed above a gas meter/regulator within F from the center line of the meter/regulator
G = 48"	Minimum clearance to service regulator vent outlet, gas meter or electrical meter
H = 12"	Clearance to non-mechanical inlet air opening into the building
I = 36"	Clearance to a mechanical air inlet into the building
J = 84"	Minimum distance above a paved sidewalk or driveway located on public property. If terminal is located between two single family residences with a sidewalk or driveway between; the same 84" clearance applies.
K = 24"	Minimum clearance beneath porch, deck, veranda or balcony, only if the area below is completely open on at least two sides.

State and local codes may require different clearances, consult the local authority having jurisdiction in each area for details.

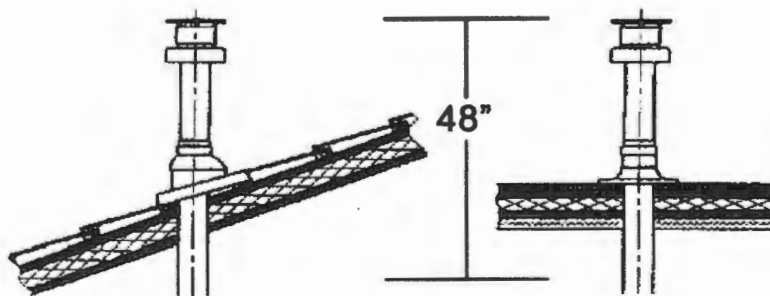
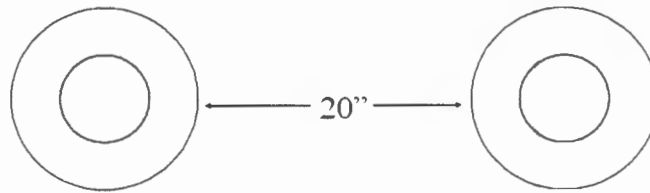
The vent hood must be installed on the leeward side of the structure. Avoid installing the vent hood on the side of the structure receiving normal prevailing winds.

The termination shall be located so that flue gasses, or condensate from the flues gasses, are not directed as to jeopardize people, building materials, building construction, siding or soffits. Flue gasses from the termination shall not be allowed to enter any type of structure.

-Horizontal vent termination: must terminate a minimum of 7" from the face of the outside wall in which it is installed.



-Minimum distance between any two horizontal concentric vent terminations is 20" measured from the inner edge of each termination.



-Pitched Vertical Termination

-Flat Vertical Termination

PENSOTTI[®]

Solenne Series



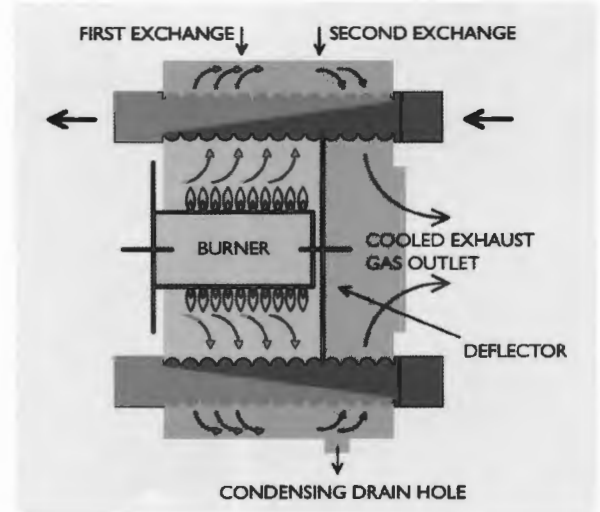
95% Efficient
Fully Condensing
Natural or LP Gas Fired
2 Year Parts Warranty
10 Year Heat Exchanger Warranty

Condensing Gas Boilers

PCH Series

Solenne PCH series boilers are heating only, wall mounted, gas condensing boilers, perfect for all hydronic heating systems. They perform effectively and efficiently with all types of systems including: radiant floor, panel radiators, conventional baseboard and hydro-air systems.

If domestic hot water is also desired the **Solenne PCH** series includes an internal 3-way valve, copper pipe fittings and a pre-wired temperature sensor for effortless connection to an indirect fired water heater.



PCC Series

The **Solenne PCC** series are combination heat and instantaneous domestic hot water boilers. They can be used in conjunction with all hydronic heating systems and will also produce domestic hot water from the integrated stainless steel and copper brazed plate heat exchanger. Combining both heating and domestic hot water in one small appliance, the **Solenne PCC** series dramatically reduces the installation space that is typically required with traditional systems. With its whisper quiet operation and compact size, the **Solenne** series boilers can be installed nearly anywhere within the home.

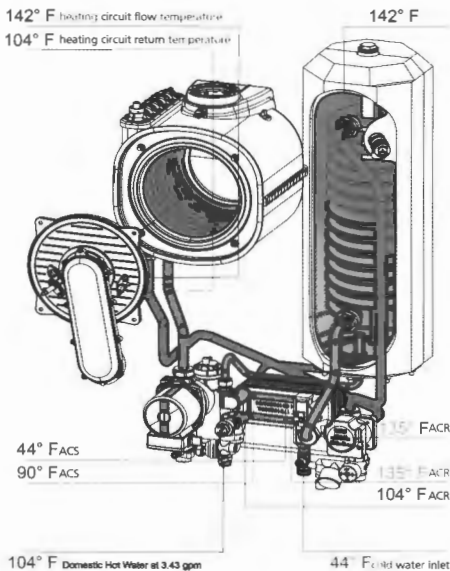
MODEL	BTUH INPUT MAXIMUM	BTUH INPUT MINIMUM	WEIGHT (LBS.)	HEIGHT	WIDTH	DEPTH	DHW FLOW RATE @ 63°F RISE	HEAT TEMP. RANGE	DHW TEMP. RANGE	CONC. VENT SIZE
PCH 18B	61,419	8,014	80	28.7"	16.1"	11.2"	N/A	86-176°F	95-160°F	3.15"/5"
PCH 34B	116,013	34,121	88	28.7"	16.1"	12.2"	N/A	86-176°F	95-160°F	3.15"/5"
PCH 50B	174,019	40,946	114	27.6"	19.3"	18.5"	N/A	86-176°F	95-160°F	3.15"/5"
PCC 34	116,013	34,121	88	28.7"	16.1"	12.2"	3.77	86-176°F	95-160°F	3.15"/5"

PCI Series

The **Solenne PCI** series is a wall-mounted, fully condensing, heat and micro-storage gas boiler with an internal stainless steel indirect water heater. Incorporating our patented Duopass system, the **PCI** series boiler will provide an abundant quantity of domestic hot water. This patented system consists of a stainless steel indirect water heater and a brazed plate heat exchanger.

Upon a demand for domestic hot water the **Solenne PCI** series boiler responds immediately, re-heating the water in the storage tank and pre-heating the entering cold water through the brazed plate heat exchanger.

With a ready supply of stored domestic hot water and the pre-heating of cold water entering the indirect water heater the **PCI** series has a dramatically increased recovery rate when compared to that of any standard combi-boiler. The **Solenne PCI** series is a viable alternative to many applications where an external indirect water heater would normally be required; saving valuable space while reducing material and installation costs.



MODEL	BTHU INPUT MAXIMUM	BTHU INPUT MINIMUM	WEIGHT (LBS.)	HEIGHT	WIDTH	DEPTH	DHW FLOW RATE @ 63° F RISE	DHW STORAGE (GALS.)	HEAT TEMP. RANGE	DHW TEMP. RANGE	COND. VENT SIZE
PCI 18/8	61,419	8,014	114.5	31.1"	17.7"	13"	3.1 GPM	2.11	86-176°F	95-160°F	3.15"/5"
PCI 34/20	116,013	34,121	146	35.5"	19.5"	18.9"	4.5 GPM	5.30	86-176°F	95-160°F	3.15"/5"

PENSOTTI

Solenne Series

Available in 3 distinct styles, **Solenne**, series boilers will accommodate most residential and light commercial heat and hot water applications. All **Solenne** boilers are wall-mounted, fully condensing with sealed combustion systems and a choice of 3 multiple venting options.

Unlike many other boilers, **Solenne** boilers are fully packaged making installation simpler, quicker, and less expensive. No matter which style you choose, every **Solenne** boiler offers a long list of standard features:

- Clean, appliance quality, metal cabinet
- Quality stainless steel heat exchanger
- Premix stainless steel gas burner
- Self diagnostic control system with digital display, heat and domestic water temperature control, freeze protection, circulator exercise function and outdoor temperature reset capability
- Dependable negative pressure gas valve
- Reliable direct spark ignition system
- Quiet, electronic variable speed blower
- Oversized stainless steel and copper brazed plate domestic hot water heat exchanger with electronic flow switch (combi and micro storage boilers)
- Built-in 3 speed circulator with automatic air vent
- Built-in expansion tank
- Internal low water safety switch
- Simple push button conversion to LP gas
- Convenient piping kit with isolation valves
- Service friendly design provides quick, easy access to all internal components
- Warranty; 2 year on parts and 10 years on the stainless steel heat exchanger



Pensotti LLC

34 Coffin Ave
PO Box 3358
Brewer, ME 04412
Tel: (207) 942-3636
Fax: (207) 942-3737

www.pensottiboiler.com