

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-1238	Issue Date:	CBL: 276 A012001
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Location of Construction: 24 Sunset Ln	Owner Name: Chase Morgan N	Owner Address: 24 Sunset Ln	Phone:
Business Name:	Contractor Name: Steve Mackenzie	Contractor Address: 74 Gertrude Portland	Phone: 2077977706
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-3

Past Use: Single Family	Proposed Use: Single Family / Install one (1) gas Buderus boiler in the basement.	Permit Fee: \$90.00	Cost of Work: \$6,100.00	CEO District: 3
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: HVAC JRC-2003	

Proposed Project Description: Install one (1) gas Buderus boiler in the basement.	Signature:	Signature: JMB 10/7/10
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: gg	Date Applied For: 10/07/2010	Zoning Approval		
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<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</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan <i>OK</i></p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>JMB 10/7/10</i></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 type="checkbox"/> Not in District or Landmark</p> <p><input checked="" 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: <i>JMB</i></p>
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PERMIT ISSUED

OCT - 6 2010

City of Portland

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 276 A 012 Use of Building Home Date 10/4/10
 Name and address of owner of appliance MORGAN CHASE 24 SUNSET LA. PORT. ME
 Installer's name and address STEVE MAC KENZIE 74 GERTRUDE AVE PORT. ME.
 Telephone (207) 749 5198

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas Boiler # GB142
- Oil
- Solid # A75-154

Appliance Name: Buderus ~~Rinnai water heater~~

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 1542
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____

- Metal
Factory Built U.L. Listing # _____

Direct Vent
Type PVC Schedule 40 UL# ANS A37M 317 85

Type of Fuel Tank

- Oil
- Gas 2 tanks

Size of Tank 2 tanks

Number of Tanks 2
Gas Boiler Water heater 120 Gall

Distance from Tank to Center of Flame 34' feet.

Cost of Work: \$ 6100.00

Permit Fee: \$ 90.00

PERMIT ISSUED

Approved

OCT - 6 2010

Approved with Conditions

See attached letter or requirement

Fire: _____

Ele.: _____

Bldg.: _____

City of Portland

Inspector's Signature

Date Approved

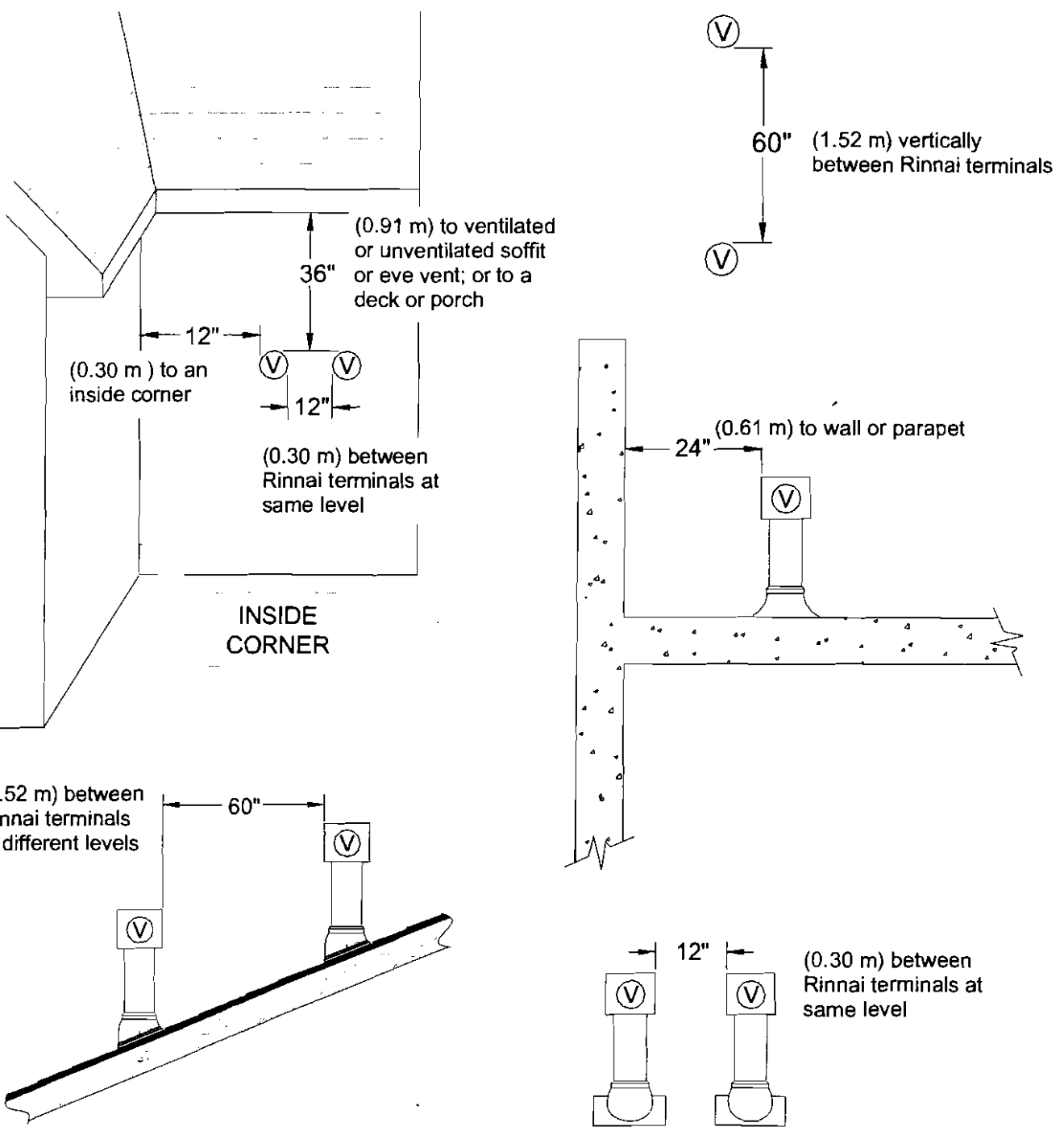
Signature of Installer Steve A MacKenzie

Additional Clearances - Vent Terminal

Local codes supersede these clearances.

- Avoid termination locations near a dryer vent.
- Avoid termination locations near commercial cooking exhaust.
- For VA3237 air intake position, follow the ANS Z21.10.3 • CSA 4.3 requirements on the previous page.

Ⓥ Vent terminal (represents concentric vent terminal or VA3237 exhaust only vent terminal)



Flue Installation - Concentric Venting (R50LSi, R75LSi, R94LSi)

Horizontal Termination without using the Condensate Collector

WARNING
 If the condensate collector is not used, the drain pipe must be capped to prevent exhaust gases and condensate from entering the building. The cap is supplied on the appliance.

* The condensate collector must be used in horizontal terminations if a vertical rise in the vent system exceeds 5ft.

Maximum Height * 5 feet (1.52 m)

Regions of cold climate will create more condensate in the vent system. The condensate collector should be used in cold climates.

If more than one elbow is used in the vertical section the condensate collector must be used.

Horizontal Termination using the Condensate Collector

Condensate Trap

3 in (75 mm) minimum

Vertical Termination (condensate collector must be used in all installations)

3 in (75 mm) minimum

3 in (75 mm) minimum

To adjust the condensate collector position or to replace the female vent top with a male vent top:

1. Loosen the 4 screws at the rear bracket
2. Slide the bracket away from the female vent top.
3. Remove the 4 screws attaching the female vent top to the water heater.
4. Lift up the female vent top and reposition as desired (or replace with a male vent top).
5. Install the 4 screws at the vent top and tighten the 4 screws at the bracket.

Condensate Collector

Bracket

Securing Screw

Secure the first vent component to the water heater with one self-tapping screw at the hole located above the condensate collector.

All vent pipes must be glued, except for the flue gas adapter (fig. 15, pos. 1) which is screwed into place and the first connection to the flue gas adapter (fig. 15, pos. 2). Installed you can slide the pipe onto the adapter, properly supported and the exhaust pipe must be pitched a minimum of a 1/4 inch per foot back to the boiler. This allows the condensate to drain away.

All combustion air and vent pipe materials and fittings must comply with the following:

Vent or air pipe and fitting	PVC schedule 40	ANSI/ASTM D1785	CSA or BH Gas venting systems, ULC S636 * certified only
	PVC-DWV	ANSI/ASTM D2665	
	CPVC schedule 40	ANSI/ASTM F441	
	ABS-DWV schedule 40	ANSI/ASTM D2661	
Pipe cement/primer	PVC	ANSI/ASTM D2564	
	CPVC	ANSI/ASTM F493	
	ABS	ANSI/ASTM D2235	

* Components of the certified vent systems must not be interchanged with other vent systems or unlisted pipe fittings. Plastic components, and specified primers and glues of the certified vent system must be from a single system manufacturer and not intermixed with other system manufacturer's vent system parts.



NOTICE
Do not use cellular core pipe.



NOTICE
Ensure that a condensate drain is always installed at the exhaust connection see chapter "7 Connecting the condensate drain" on page 27



NOTICE
A minimum clearance of 4 feet horizontally from and in no case above and below, unless a 4-foot horizontal distance is maintained, from electric meters, gas meters, regulators and relief equipment

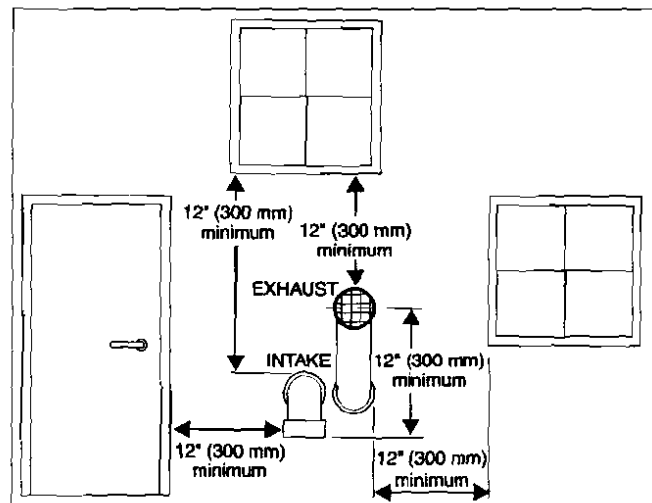


Fig. 16 Vent and air pipe position (1) of a sealed combustion system

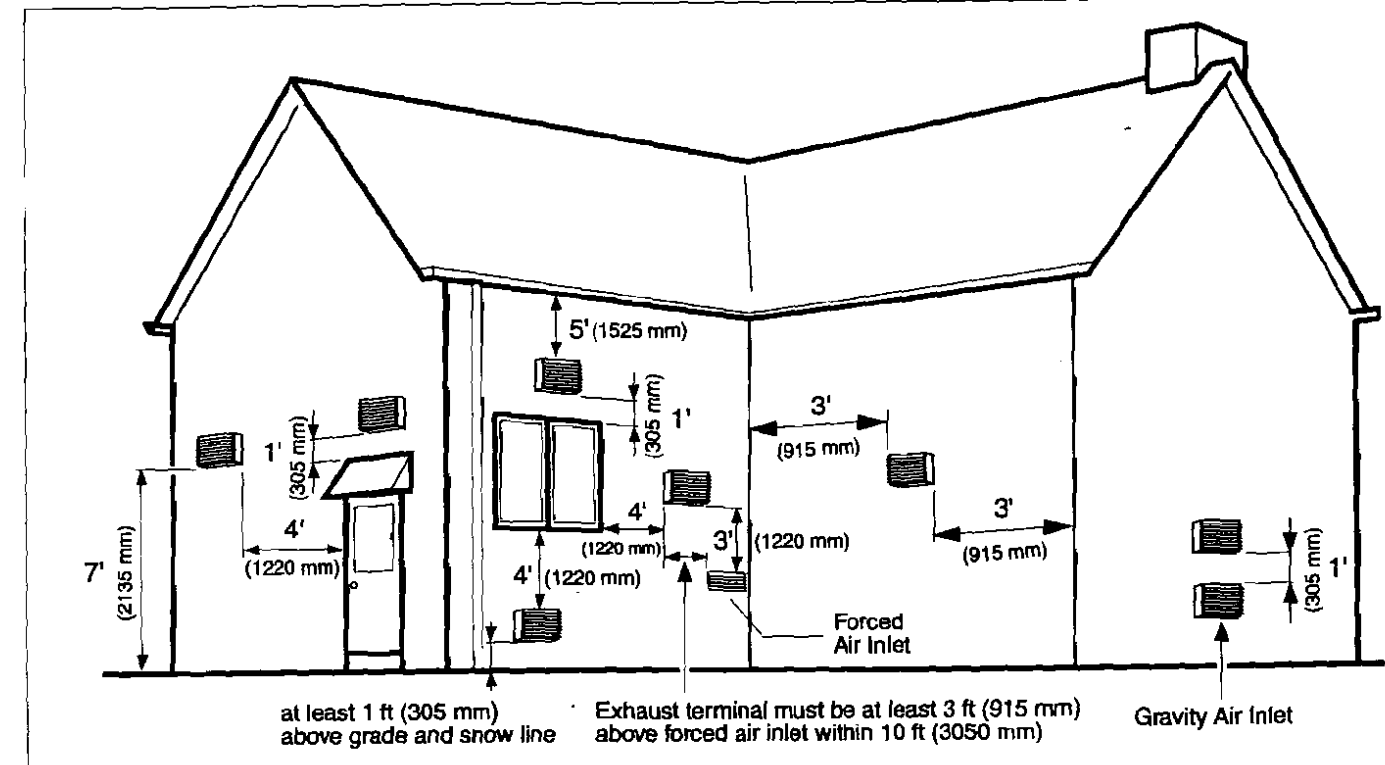


Fig. 17 Vent and air pipe position (2) of a system with combustion air supply from the room (non-room sealed)

Below are approved examples of vertical and horizontal venting installation



NOTICE
Place pipe supports every 5 feet (1525 mm) of horizontal run, beginning with support near boiler.



NOTICE
The condensate water must be drained in accordance with the applicable rules. See chapter 7 „Connecting the condensate drain“.



NOTICE
Periodic cleaning of the vent terminal and air-intake screens is mandatory.

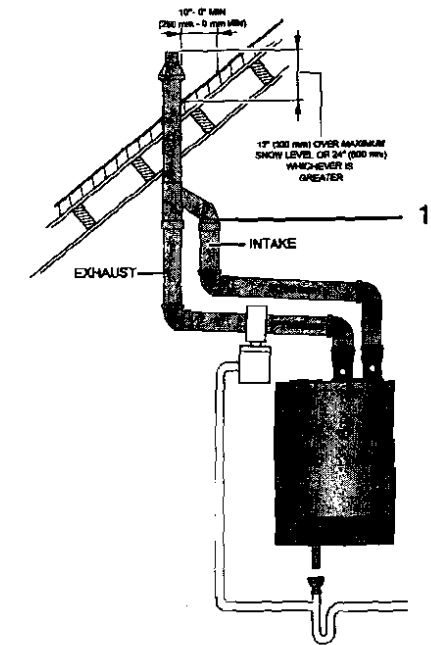


Fig. 18 Vertical venting system (sealed combustion)

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Dept: Zoning	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 10/07/2010
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: Jeanine Bourke	Approval Date: 10/07/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) The installation must comply with the State of Maine Gas Regulations.			

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 Inspection 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 with construction.**

 X **Final inspection required at completion of work.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR 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.