

City of Portland, Maine - Building or Use Permit Application

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

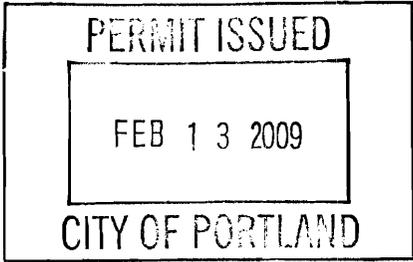
Permit No: 09-0113	Issue Date: 2/13/09	CBL: 003 1008001
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Location of Construction: 45 OBRION ST	Owner Name: SUMMERS ANDREA W & ROBE	Owner Address: 45 OBRION ST	Phone: 207-799-9256
Business Name:	Contractor Name: Martin Berry	Contractor Address: 1155 Sawyer Road Cape Elizabeth	Phone: 2077999256
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Two Family Residential	Proposed Use: Two Family Residential - Install Buderus Direct Vent Burner	Permit Fee: \$140.00	Cost of Work: \$11,158.00	CEO District: 1
Proposed Project Description: Install Buderus Direct Vent Burner		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-3 Type 5B FMC-2003 IBC-2003 Signature: <i>CL 2/13/09</i>	
		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: 02/13/2009	Zoning Approval	
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<ol style="list-style-type: none"> 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 <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <i>O.K.</i> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>CL 2/13/09</i>	Zoning Appeal <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: _____	Historic Preservation <input type="checkbox"/> Not in District or Landmark <input checked="" 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>CL</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.

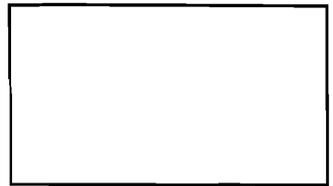
SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



FILL IN AND SIGN WITH INK

003-I-008

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 _____ Use of Building HOME Date 02/13/09
 Name and address of owner of appliance ROBERT SUMMERS
45 O'BRIEN STREET
 Installer's name and address MARTIN BARRY
1135 SAUKIER ROAD CAPE ELIZABETH Telephone 799-9252

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: BUDERUS 142-400
 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 1741
- 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

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 11,158.00

Permit Fee: \$ _____

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

[Signature]
 Inspector's Signature

2/13/09
 Date Approved

Signature of Installer _____

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Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Two Family Residential - Install Buderus Direct Vent Burner	Proposed Project Description: Install Buderus Direct Vent Burner
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Dept: Zoning **Status:** Approved **Reviewer:** Chris Hanson **Approval Date:** 02/13/2009
Note: **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Chris Hanson **Approval Date:** 02/13/2009
Note: **Ok to Issue:**

- 1) The installation must comply with the State of Maine Gas Regulations.
- 2) This appliance/stove shall be installed, operated and maintained per the manufacturers specifications and the UL listing
- 3) Maintain proper setback(s) from property lines/buildings and proper clearances from verticle openings when direct venting.

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Installation instructions

Condensing gas boiler Logamax plus GB142-24/30/45/60

CAUTION!

Before putting the boiler into operation read this manual carefully.

WARNING!

Improper installation, adjustment, alteration, service or maintenance can cause injury, loss of life or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

CAUTION!

The operating manual is part of the documentation that is delivered to the installation's operator. Go through the information in this manual with the owner/operator and make sure that he or she is familiar with all the necessary operating instructions.

Warning: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other boiler.
- **What to do if you smell gas**
 - Do not try to light any boiler.
 - 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.**



Notice:

This manual must be retained for future reference.

Buderus

It is not recommended to terminate vent above any door or window, condensate can freeze causing ice formations.

Do not use chimney as a raceway if another boiler or fireplace is vented into or through chimney.

All vent pipes must be glued, except for the flue gas adapter (fig. 14, pos. 1) which is screwed into place and the first connection to the flue gas adapter (fig. 14, pos. 2). Installed you can slide the pipe onto the adapter, properly supported and the exhaust pipe must be pitched a minimum of a ¼ 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:

Item	Material	United states	Canada
Vent or air pipe and fitting	PVC schedule 40	ANSI/ASTM D1785	CSA or ULC 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	



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 water drain” on page 24



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

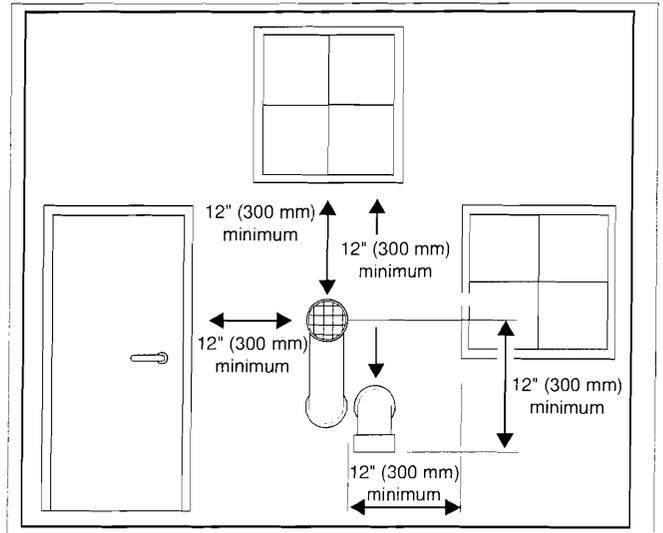


Fig. 15 Vent and air pipe position (1)

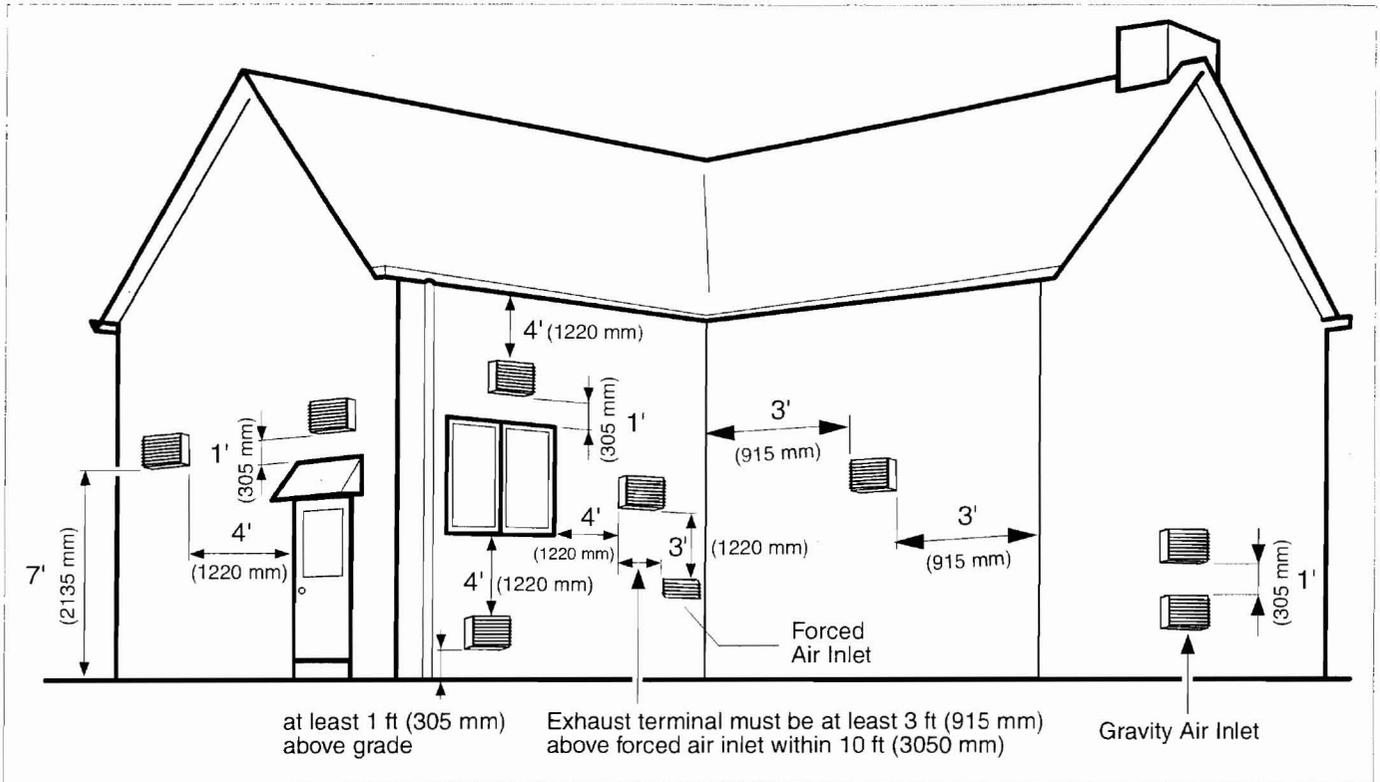


Fig. 16 Vent and air pipe position (2)

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 water drain“.



NOTICE

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

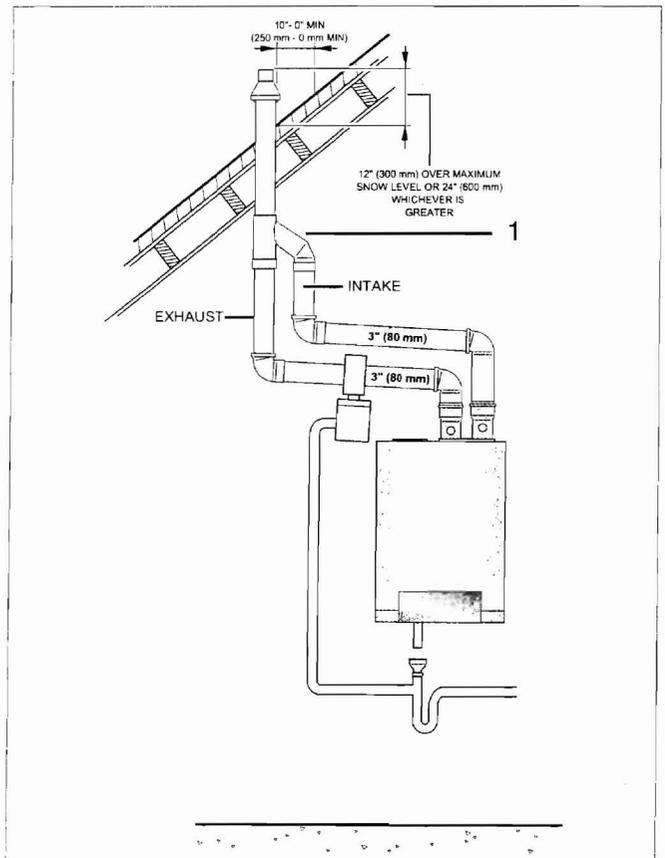


Fig. 17 Vertical venting system (sealed combustion)

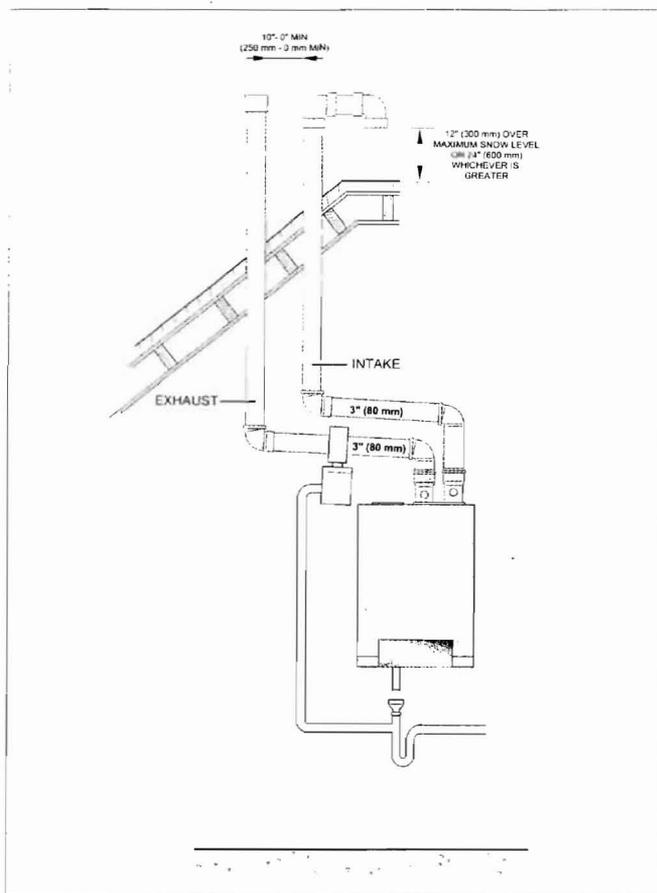


Fig. 18 Vertical parallel venting system (sealed combustion) - Situation 1

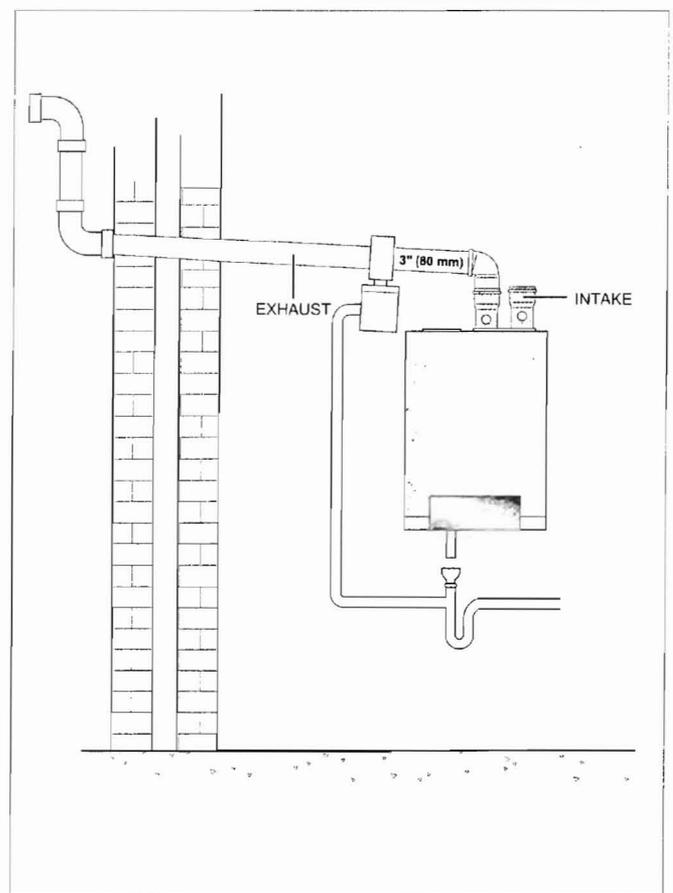


Fig. 20 Horizontal venting system (room air only) - Situation 1

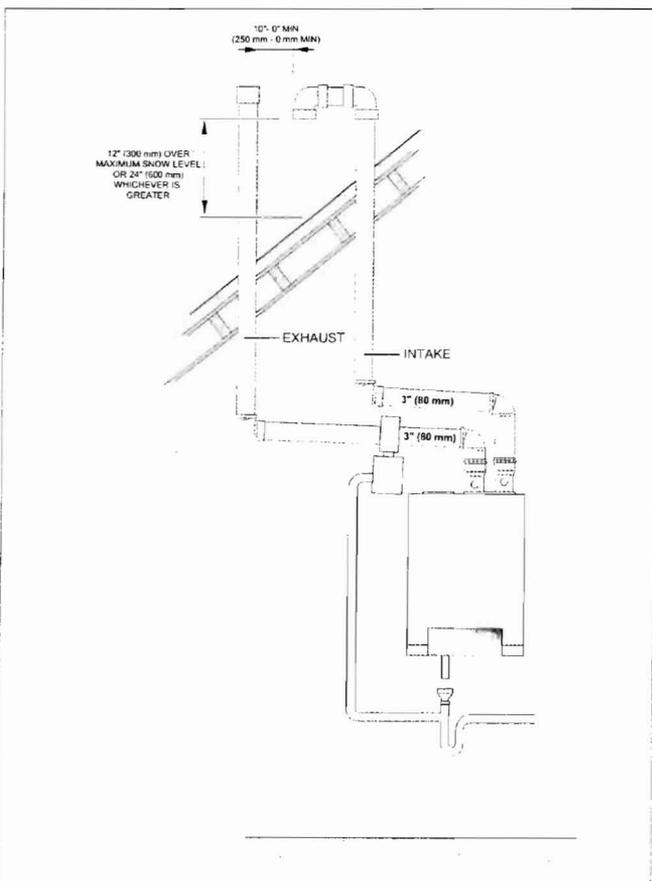


Fig. 19 Vertical parallel venting system (sealed combustion) - Situation 2

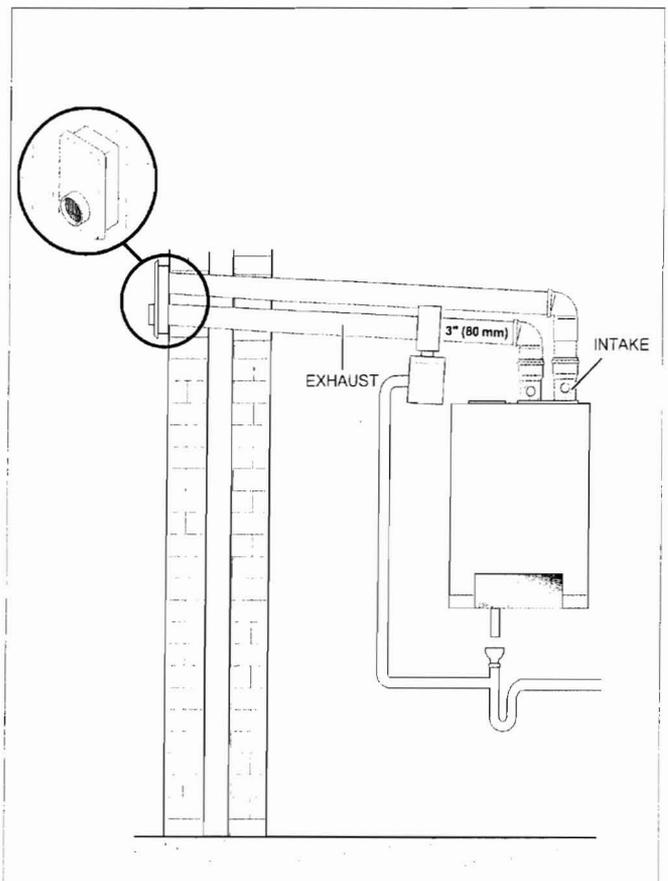


Fig. 21 Horizontal venting system (sealed combustion) - Situation 2

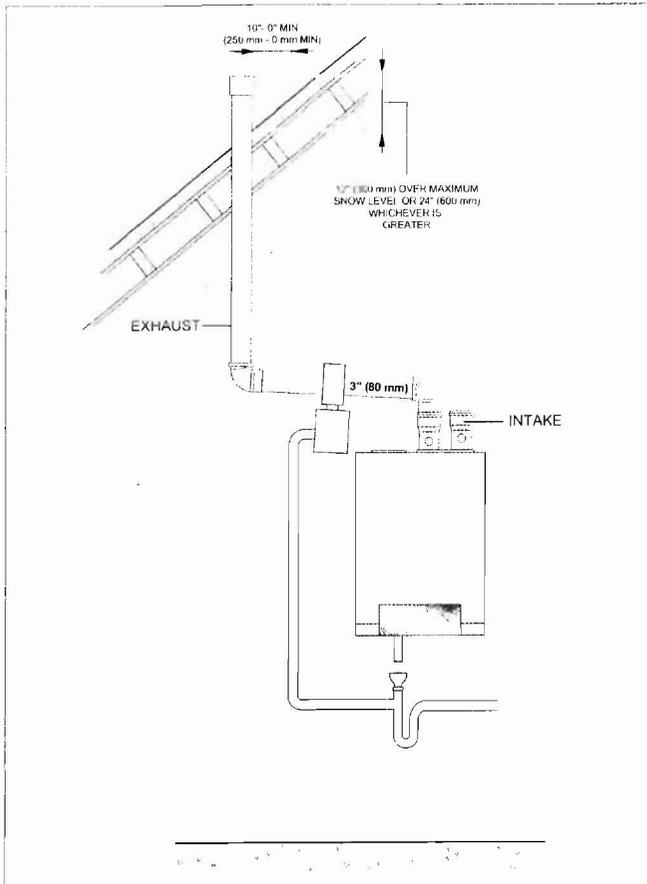


Fig. 22 Vertical venting system (room air only)

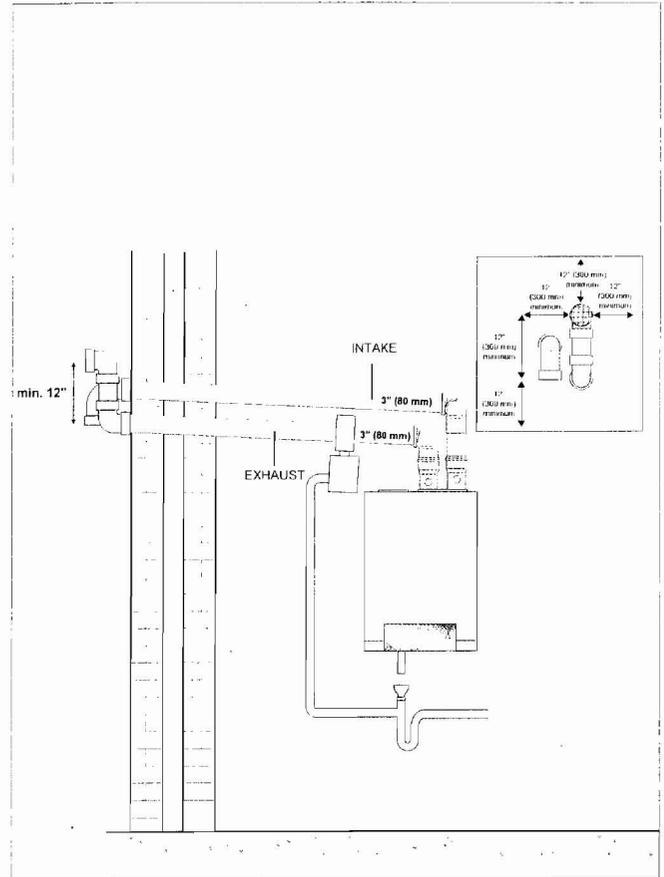


Fig. 23 Horizontal parallel venting system (sealed combustion)

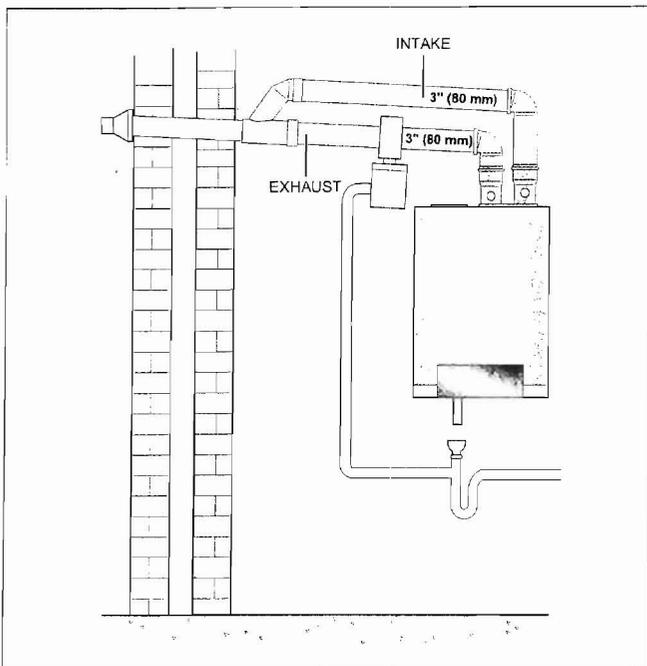


Fig. 24 Horizontal venting system (sealed combustion)

Do not exceed the total equivalent venting length of 100 feet (30,480 mm) (GB142-24/30/45) and 60 feet (18,288 mm) (GB142-60) maximum requirement each for the intake and exhaust piping.

