

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 08-1394	Issue Date: 11/06/08	CBL: 065 E07001
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Location of Construction: 105 GILMAN ST	Owner Name: RAHEM LLC	Owner Address: PO BOX 6149	Phone:
Business Name:	Contractor Name: Coastal Heating, LLC	Contractor Address: 18 Sokokis Road Biddeford	Phone 2072822330
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-6

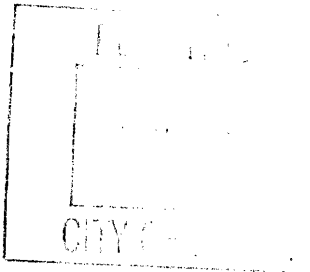
Past Use: Multi - Family	Proposed Use: Multi-Family - install 6 room heaters & 1 Tankless water heater Rinnai R75LSI & Rinnai 1004	Permit Fee: \$160.00	Cost of Work: \$13,970.01	CEO District: 2
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Proposed Project Description: install 6 room heaters & 1 Tankless water heater Rinnai R75LSI & Rinnai 1004	FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <i>TO Manufacturers Specs</i>	INSPECTION: Use Group: R-2 Type: 5B <i>IMC-2003 MFA-211</i>
	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i> 11/06/08

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: Idobson	Date Applied For: 10/30/2008	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 Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Denied	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	Historic Preservation <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>10/30/08</i>	Date: <i>[Signature]</i>	Date: <i>[Signature]</i>



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

City of Portland, Maine - Building or Use Permit

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Permit No: 08-1394	Date Applied For: 10/30/2008	CBL: 065 E007001
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Location of Construction: 105 GILMAN ST	Owner Name: RAHEM LLC	Owner Address: PO BOX 6149	Phone:
Business Name:	Contractor Name: Coastal Heating, LLC	Contractor Address: 18 Sokokis Road Biddeford	Phone (207) 282-2330
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Multi-Six residential dwelling units- install 6 room heaters & 1 Tankless water heater Rinnai R75LSI & Rinnai 1004	Proposed Project Description: install 6 room heaters & 1 Tankless water heater Rinnai R75LSI & Rinnai 1004
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Dept: Zoning	Status: Approved with Conditions	Reviewer: Marge Schmuckal	Approval Date: 10/30/2008
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. Without special approvals.			
2) This property shall remain six (6) residential dwelling units. Any change of use shall require a separate permit application for review and approval.			

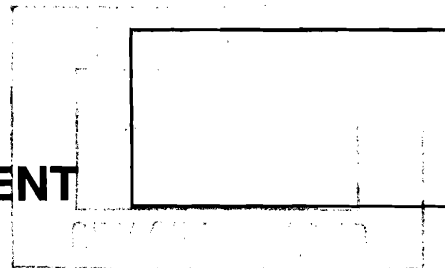
Dept: Building	Status: Approved with Conditions	Reviewer: Chris Hanson	Approval Date:
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) The appliance shall be installed in accordance with the IMC 2003 and NFPA 211			
2) The installation must comply with the State of Maine Gas Regulations.			

Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Greg Cass	Approval Date: 11/05/2008
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) Install shall comply with all manufacture's specifications.			



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 105 Gilman St, Portland Use of Building USE N Date 10-30-08
 Name and address of owner of appliance Shamaye / Kargar
P.O. Box 6149 Falmouth, Me, 04105
 Installer's name and address Coastal Tech Mtg. LLC.
18 Sokokis Rd Biddeford Telephone 282-2330

Location of appliance:

- Basement
- Floor - Living rooms
- Attic
- Roof

Type of Fuel:

- Gas
 - Oil
 - Solid
- Rinnai R75LSI

Appliance Name: Rinnai 1004

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 # PNT4495
- Other _____

Type of Chimney:

- Masonry Lined 6 units - room heaters
- Factory built _____

- Metal
- Factory Built U.L. Listing # _____

Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank Natural Gas (Meters)

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ ~~13970.01~~ 13970.01

Permit Fee: \$ 160

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

- See attached letter or requirement

[Signature]
 Inspector's Signature

11/4/08
 Date Approved

Signature of Installer Maria L. Morneau

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

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

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

Signature of Applicant/Designee

Date

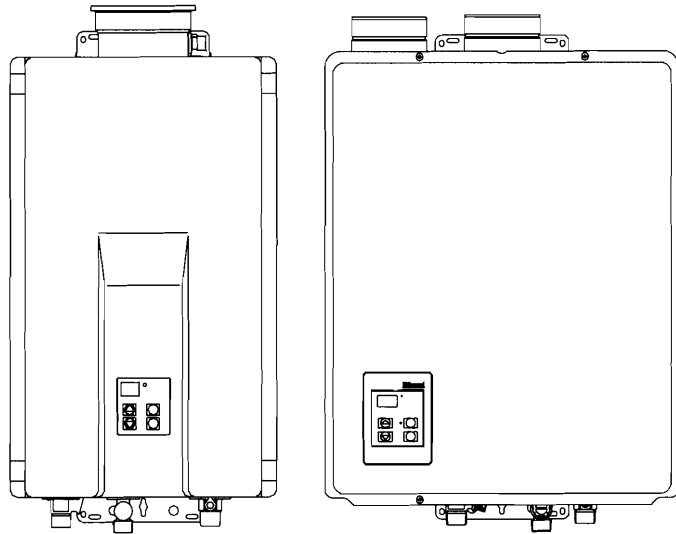
Signature of Inspections Official

Date

Rinnai®

Direct Vent Tankless Water Heater

Operation and Installation Manual

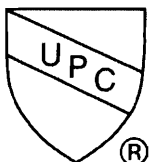


<i>R50LSi</i>	REU-VA2019FFUD
<i>R75LSi</i>	REU-VA2528FFUD(A)
<i>R94LSi</i>	REU-VA2535FFUD
<i>R98LSi</i>	REU-VA3237FFU
<i>R98LSi-ASME</i>	REU-VA3237FFU-ASME

FOR INDOOR APPLICATIONS ONLY

Register your product at www.rinnairegistration.com or call 1-866-RINNAI1 (746-6241)

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Operating Instructions	5
Maintenance.....	12
Error Codes.....	13
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ANS Z21.10.3
•
CSA 4.3

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

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

- 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.

Installation Instructions

Only properly trained and qualified installers should install this appliance. The warranty may be voided due to improper installation or installation by a non-qualified installer.

Rinnai highly recommends all installers attend a product knowledge class. For information on a Rinnai Training Course or for questions on installation call 1 800-621-9419.

<i>R50LSi</i>	REU-VA2019FFUD
<i>R75LSi</i>	REU-VA2528FFUD(A)
<i>R94LSi</i>	REU-VA2535FFUD
<i>R98LSi</i>	REU-VA3237FFU
<i>R98LSi-ASME</i>	REU-VA3237FFU-ASME

General Instructions

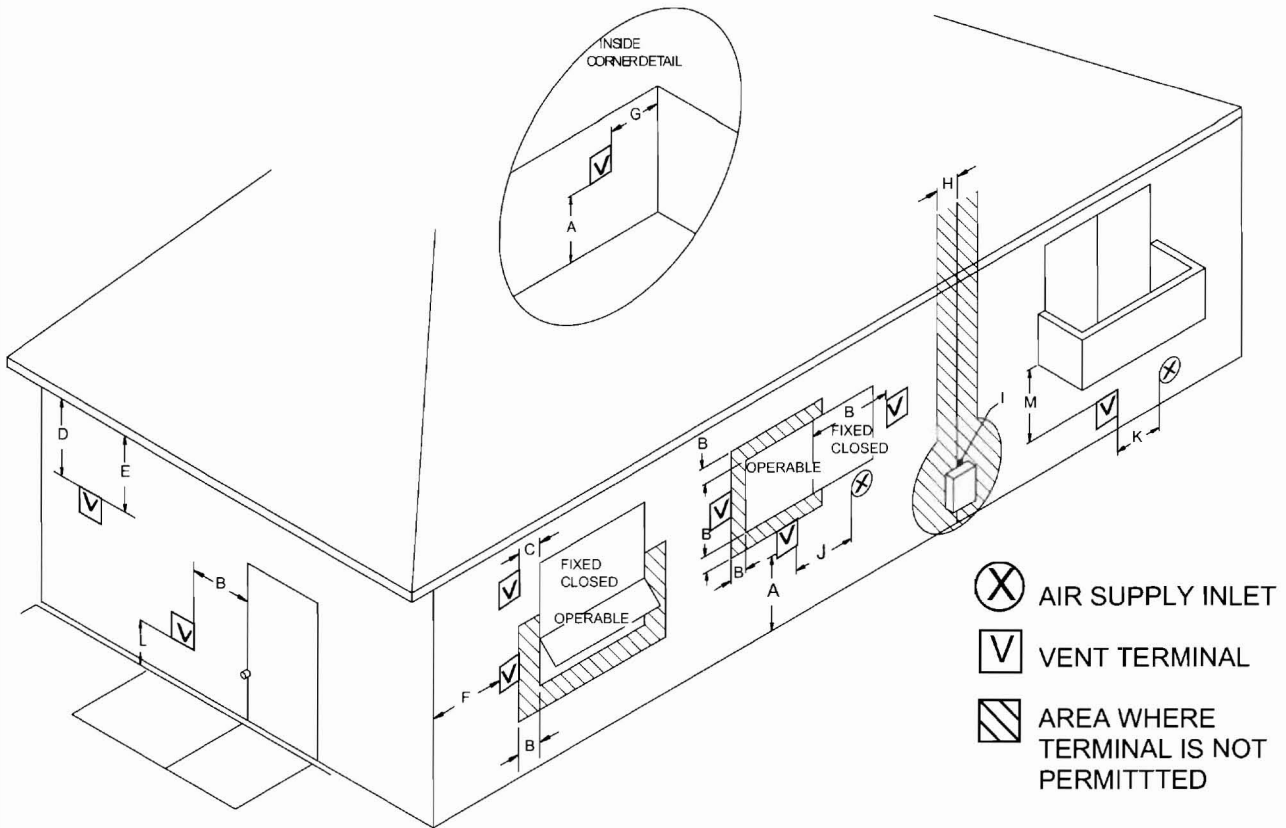
WARNING

Do not use substitute materials.

Use only parts certified with the appliance.

- This appliance must be installed by a state qualified or licensed contractor. It is the responsibility of the person having the water heater installed to ensure the installing contractor has proper licenses and permits for installing water heaters in your location. Rinnai highly recommends that installers attend a product knowledge class to ensure customer satisfaction and warranty coverage. Failure to comply with state and local codes pertaining to water heater installations may void the warranty.
- This appliance is not to be installed outdoors.
- A qualified installer or service technician should install the appliance, inspect it, and leak test it before use.
- The installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or the *Natural Gas and Propane Installation Code, CSA B149.1*.
- The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*, or the *Canadian Electrical Code, CSA C22.1*.
- The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa) (13.84 in W.C.).
- The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa) (13.84 in W.C.).
- Follow the installation instructions and those in *Maintenance* for adequate combustion and ventilation air.
- The appliance should be located in an area where water leakage of the unit or connections will not result in damage to the area adjacent to the appliance or to lower floors of the structure. When such locations cannot be avoided, it is recommended that a suitable drain pan, adequately drained, be installed under the appliance. The pan must not restrict combustion air flow.
- The flow of combustion and ventilation air shall not be obstructed.
- This appliance is not suitable for use in an application such as a pool or spa heater that uses chemically treated water. (This appliance is suitable for filling large or whirlpool bath tubs with potable water.)
- If a water heater is installed in a closed water supply system, such as one having a backflow preventer in the cold water supply line, means shall be provided to control thermal expansion. Contact the water supplier or local plumbing inspector on how to control this situation.
- Should overheating occur or the gas supply fail to shut off, turn off the manual gas control valve to the appliance.
- Keep the air intake location free of chemicals such as chlorine or bleach that produce fumes. These fumes can damage components and reduce the life of your appliance.

Flue Terminal Clearances (ANS Z21.10.3 • CSA 4.3)



Ref	Description	Canadian Installations	US Installations
A	Clearance above grade, veranda, porch, deck, or balcony	12 inches (30 cm)	12 inches (30 cm)
B	Clearance to window or door that may be opened	36 inches (91 cm)	12 inches (30 cm)
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit, located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal	*	*
E	Clearance to unventilated soffit	*	*
F	Clearance to outside corner	*	*
G	Clearance to inside corner	*	*
H	Clearance to each side of center line extended above meter/regulator assembly	3 feet (91 cm) within a height 15 feet (4.5 m) above the meter/regulator assembly	*
I	Clearance to service regulator vent outlet	36 inches (91 cm)	*
J	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	36 inches (91 cm)	12 inches (30 cm)
K	Clearance to a mechanical air supply inlet	6 feet (1.83 m)	3 feet (91 cm) above if within 10 feet (3 m) horizontally
L	Clearance above paved sidewalk or paved driveway located on public property	7 feet (2.13 m) ①	*
M	Clearance under veranda, porch, deck, or balcony	12 inches (30 cm) ②	*

① A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

② Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

* For clearances not specified in ANSI Z223.1/NFPA 54 or CSA B149.1, clearances are in accordance with local installation codes and the requirements of the gas supplier.

Clearance to opposite wall is 24 inches (60 cm) for Canada and US.

**HOME OWNER / INSTALLER
FOR YOUR SAFETY
THIS MANUAL MUST BE READ IN ITS
ENTIRETY BEFORE OPERATING HEATER**



RHFE-1004FA

ENERGYSAVER

GAS DIRECT VENT WALL FURNACE



Owner's Operation and Installation Manual

WARNING: If the information in these instructions are 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 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.

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

Rinnai®

Horizontal Termination without using the Condensate Collector

⚠ WARNING

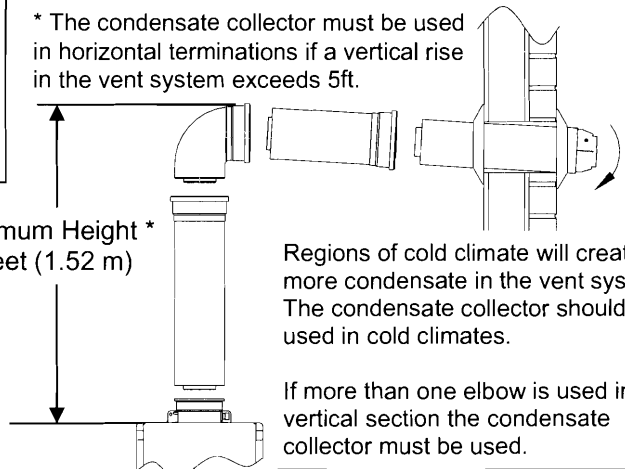
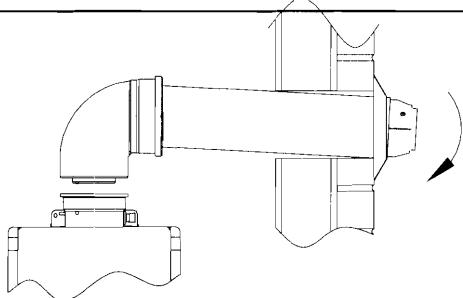
If the condensate collector is not used, the drain pipe must be capped to prevent exhaust gases and condensate from entering the building. The cap is supplied on the appliance.

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

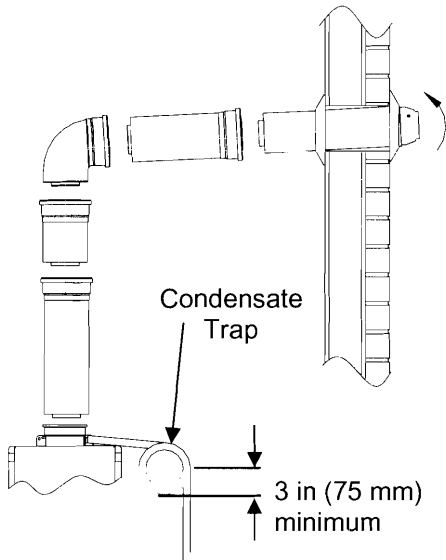
Maximum Height *
5 feet (1.52 m)

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

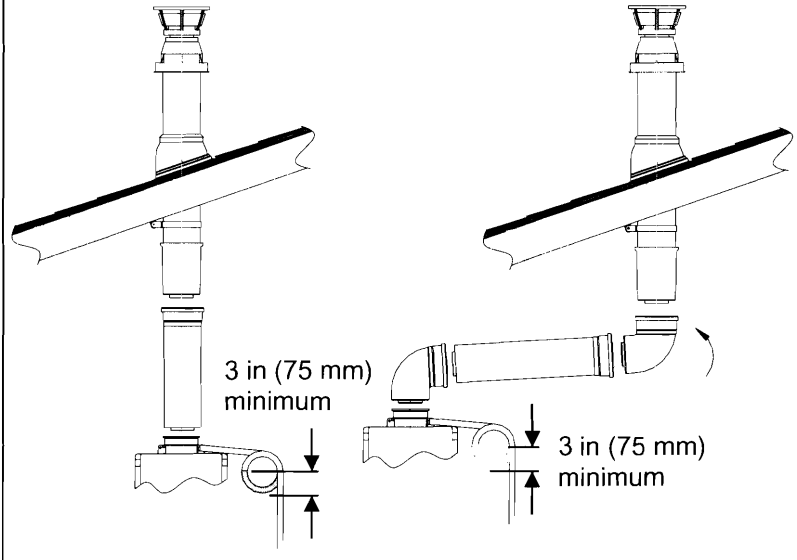
If more than one elbow is used in the vertical section the condensate collector must be used.



Horizontal Termination using the Condensate Collector

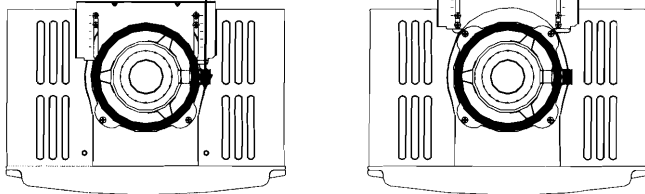


Vertical Termination
(condensate collector must be used in all installations)



Condensate Collector

Bracket



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

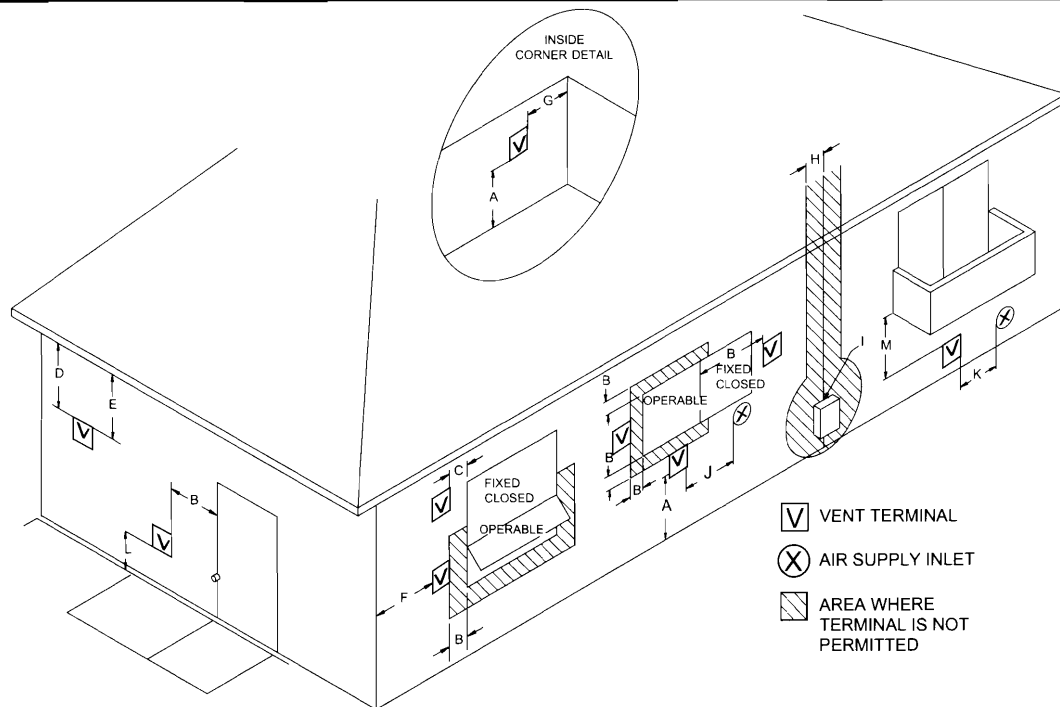
1. Loosen the 4 screws at the rear bracket
2. Slide the bracket away from the female vent top.
3. Remove the 4 screws attaching the female vent top to the water heater.
4. Lift up the female vent top and reposition as desired (or replace with a male vent top).
5. Install the 4 screws at the vent top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

Securing Screw



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

VENT TERMINATION CLEARANCES



REF	DESCRIPTION	U.S. Installations	Canadian Installations
A	Clearance above grade, veranda, porch, deck, or balcony	1 foot	1 foot
B	Clearance to window or door that may be opened	** 6 inches for appliances $\leq 10,000$ Btuh, 9 inches for appliances $> 10,000$ Btuh and $\leq 50,000$ Btuh, 12 inches for appliances $> 50,000$ Btuh	6 inches for appliances $\leq 10,000$ Btuh, 12 inches for appliances $> 10,000$ Btuh and $\leq 100,000$ Btuh, 36 inches for appliances $> 100,000$ Btuh
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit, eaves, or overhang	*	*
E	Clearance to unventilated soffit, eaves, or overhang	*	*
F	Clearance to outside corner	*	*
G	Clearance to inside corner	*	*
H	Clearance to each side of center line extended above meter/regulator assembly	*	3 feet within a height 15 feet above the meter/regulator assembly
I	Clearance to service regulator vent outlet	*	3 feet
J	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	** 6 inches for appliances $\leq 10,000$ Btuh, 9 inches for appliances $> 10,000$ Btuh and $\leq 50,000$ Btuh, 12 inches for appliances $> 50,000$ Btuh	6 inches for appliances $\leq 10,000$ Btuh, 12 inches for appliances $> 10,000$ Btuh and $\leq 100,000$ Btuh, 36 inches for appliances $> 100,000$ Btuh
K	Clearance to a forced air inlet into a building	3 feet above if within 10 feet horizontally	6 feet
L	Clearance above paved sidewalk or paved driveway located on public property	*	† 7 feet
M	Clearance under deck, veranda, porch, or balcony (open on 3 sides)	*	‡ 1 foot

* For clearances not specified in ANSI Z223.1 / NFPA 54 or CAN/CGA-B149, use clearances in accordance with local installation codes and the requirement of the gas supplier.

† A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

‡ Permanent only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

** 4 feet for units other than Direct-Vent Appliance.