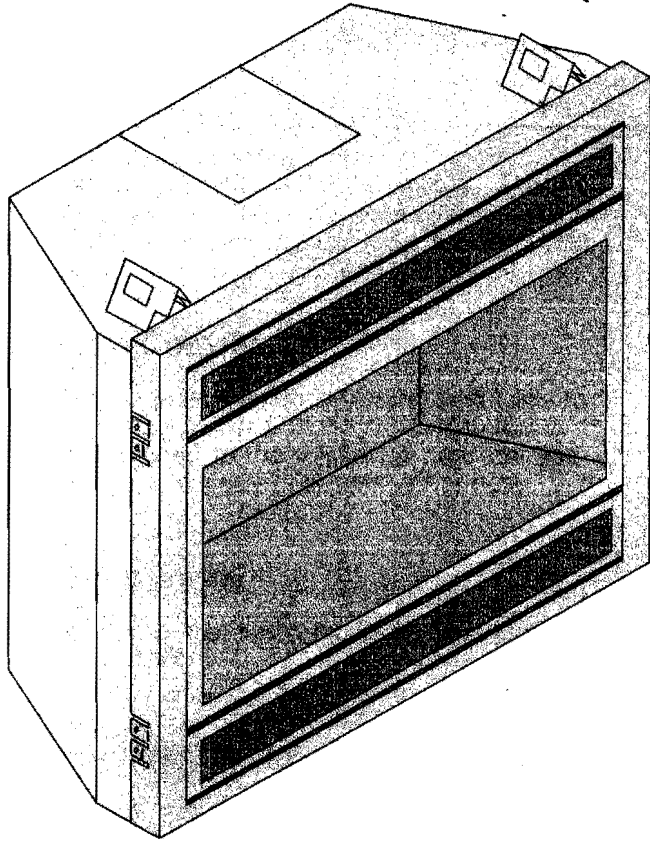


H425809-2500
Kimberly



864TRV Fireplace

Tested and Listed by



OMNI-Test Laboratories, Inc.
Beaverton, Oregon
Report # 028-F-59-5
ANSI Z21.88b-2003

- Built-In Direct Vent Fireplace
- Natural Gas or Propane
- Residential or Mobile Home

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 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 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 as an OEM installation in a manufactured (mobile) home and must be installed in accordance with the manufacturer's instructions and the manufactured home construction and safety standard, Title 24 CFR, Part 3280. This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

Installation Manual



Installer: After installation give this manual to the homeowner and explain operation of this heater.

© Copyright 2005, T.I. \$10.00 100-01173 4050714

**TRAVIS INDUSTRIES
HOUSE OF FIRE**
4800 Harbour Pointe Blvd. SW
Mukilteo, WA 98275

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 05-1458	Issue Date: PERMIT ISSUED	CHL: 309, A014001
-----------------------	------------------------------	----------------------

Location of Construction: 1749 FOREST AVE	Owner Name: AMERGIAN RAYMOND R	Owner Address: 1749 FOREST AVE	Phone:
Business Name:	Contractor Name: Frost N Flame	Contractor Address: 629 Main St. Gorham	Phone: 2078567000
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R3

Past Use: Single Family Home	Proposed Use: Single Family Home/ install a Direct Vent gas 864 RTV on the Floor	Permit Fee: \$48.00	Cost of Work: \$2,700.00	CEO District: 5
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: HVAC	

Proposed Project Description: install a Direct Vent gas 864 RTV on the Floor	Signature: <i>Jm 10/17/05</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: Idobson	Date Applied For: 09/30/2005	Zoning Approval	
-----------------------------	---------------------------------	------------------------	--

<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"/> Date: <i>Jm 10/17/05</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 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>Jm 10/17/05</i>
	<i>OK</i>		

CERTIFICATION

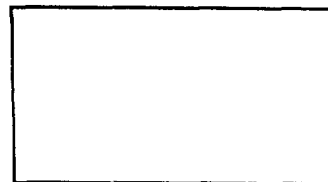
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition,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



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



309 A014

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 1749 Forest Use of Building HOME Date _____
 Name and address of owner of appliance BRUCE LUCKA 1749 FOREST HUE
PORTLAND MAINE
 Installer's name and address FROST + FLAME
629 MAIN ST GORHAM MAINE Telephone 856 1000-1000

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

864 TRV

U.I.. 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-3738
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____

Type of Fuel Tank

- Oil
- Gas

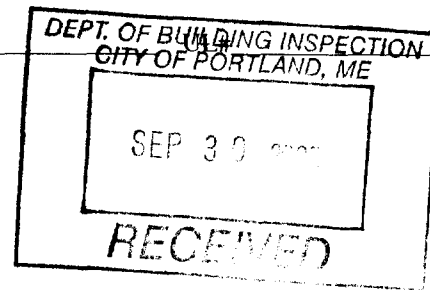
Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 2700.00

Permit Fee: \$ 45.00



Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

See attached letter or requirement

Signature of Installer

M.C. Smith

Inspector's Signature

Date Approved

Features and Specifications

Installation Options

- Residential or Mobile Home
- Straight or Corner Placement
- Flush or Recessed Face
- Raised or Floor Placement
- Internal or External Chase
- Horizontal or Vertical Vent
- Bedroom Approved

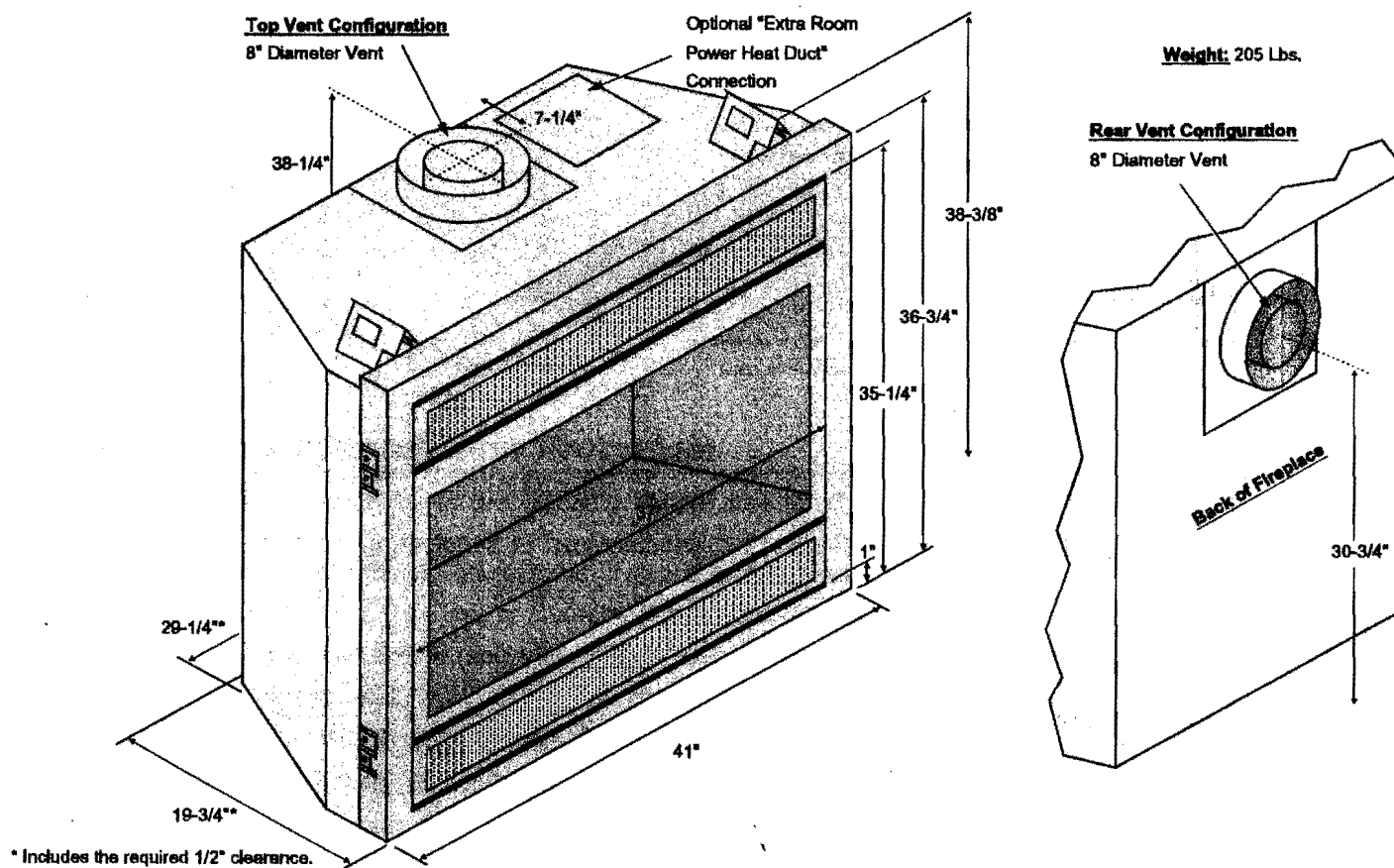
Heating Specifications

	Natural Gas	Propane
Approximate Heating Capacity (in square feet)*	450 to 1,400	450 to 1,400
Maximum BTU Input Per Hour	31,000	31,000
Minimum BTU Output on Low	6,700	5,200
Steady State Efficiency** (with blowers on)	77.2 %	78.4 %
AFUE (Annual Fuel Utilization Efficiency)	68.3 %	69.4 %

* Heating capacity will vary with floor plan, insulation, and outside temperature.

** Efficiency rating is a product thermal efficiency rating determined under continuous operation independent of installed system.

Dimensions



Packing List

- Propane Conversion Kit
- Log Set
- Glass Latch Key (to un-latch glass frame)
- Wall Switch with Wire (see page 19 for details)
- Firestop (sku 93006094)

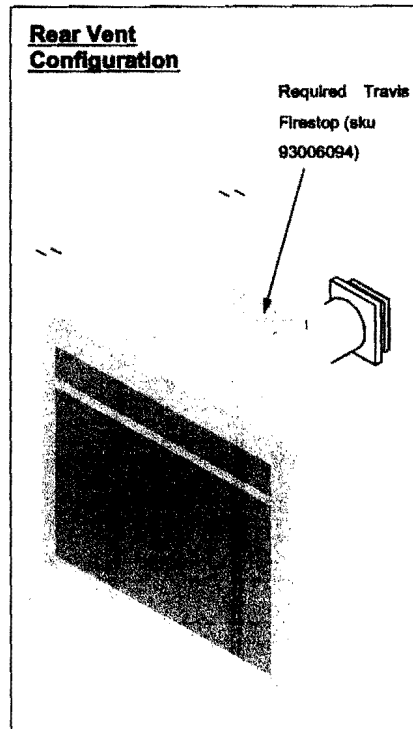
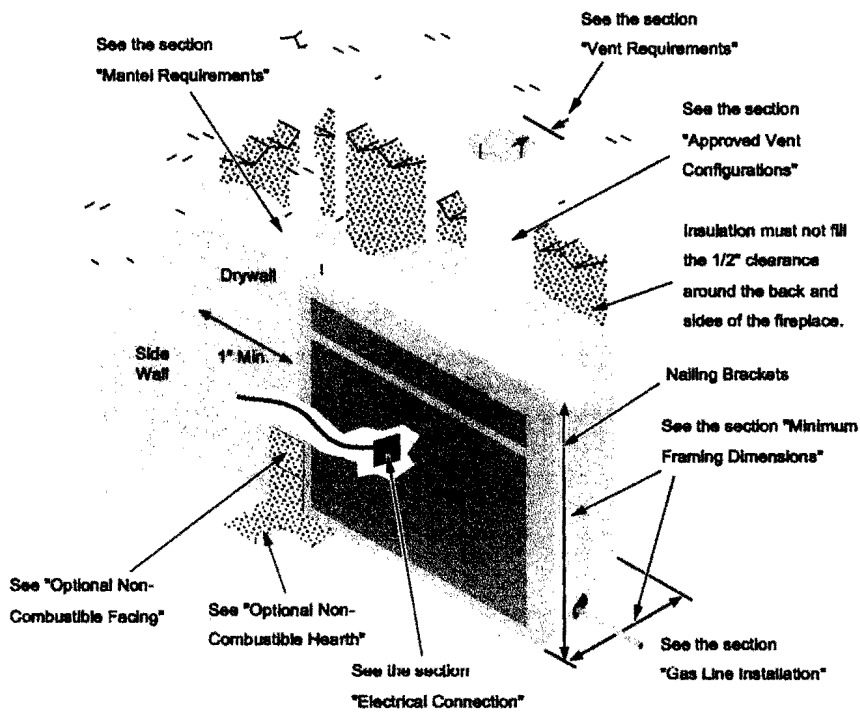
Additional Items Required

- Direct Vent
- Gas Line Equipment (shutoff valve, pipe, etc.)
- Electrical Equipment (min. 14 gauge, grounded line)

Installation Overview

- All requirements below must be met.

Top Vent Configuration



Recommended Installation Procedure

- Frame the opening for the fireplace. Make sure to allow for vent installation.
- This fireplace is designed to accommodate 1/2" or 5/8" drywall (see "Nailing Brackets" on page 13 for details). Secure the fireplace to the framing.
- Install the vent, gas line and electrical hook-up.
- Install the wall switch (see page 19) or thermostat (if applicable).
- Install the drywall.
- Install the hearth (if applicable).
- Install the facing (if applicable).
- Install the mantel (if applicable).
- Finalize the installation (see page 42) and install the grill or face.

Fireplace Placement Requirements

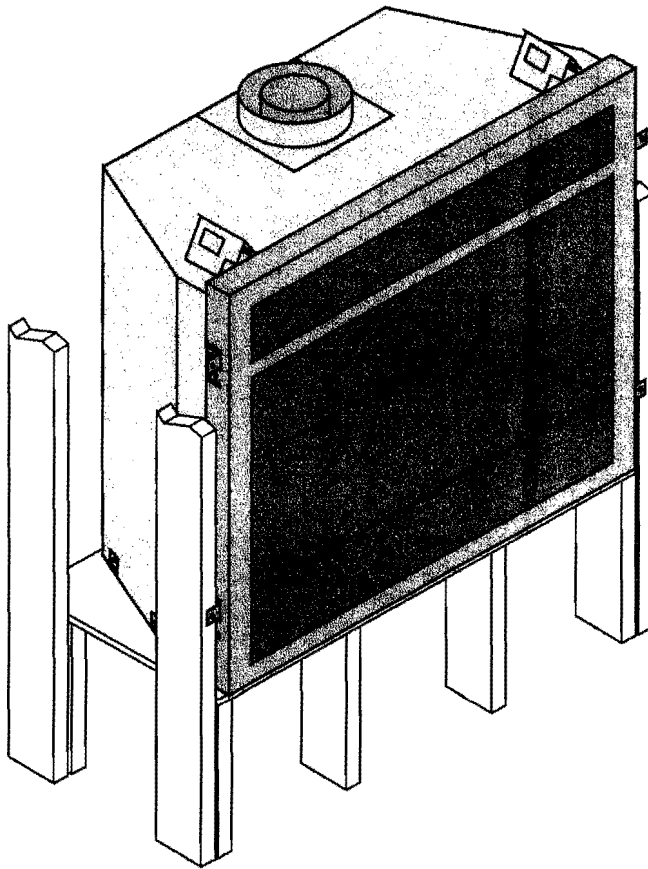
- The fireplace requires a 1/2" clearance from the angled sides and back of the fireplace to the framing members. No material (insulation, framing, etc.) may be placed into this area.
- Fireplace must be installed on a level surface capable of supporting the fireplace and vent
- Fireplace must be placed directly on wood or non-combustible surface (not on linoleum or carpet)
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces when determining a location.

Clearances

- When installed, walls in front of the fireplace must be a minimum 1" to the side of the fireplace.
- Due to the high temperature, the heater should be located out of traffic and away from furniture and draperies.
- Fireplace must be placed so the vents below and above the glass do not become blocked.

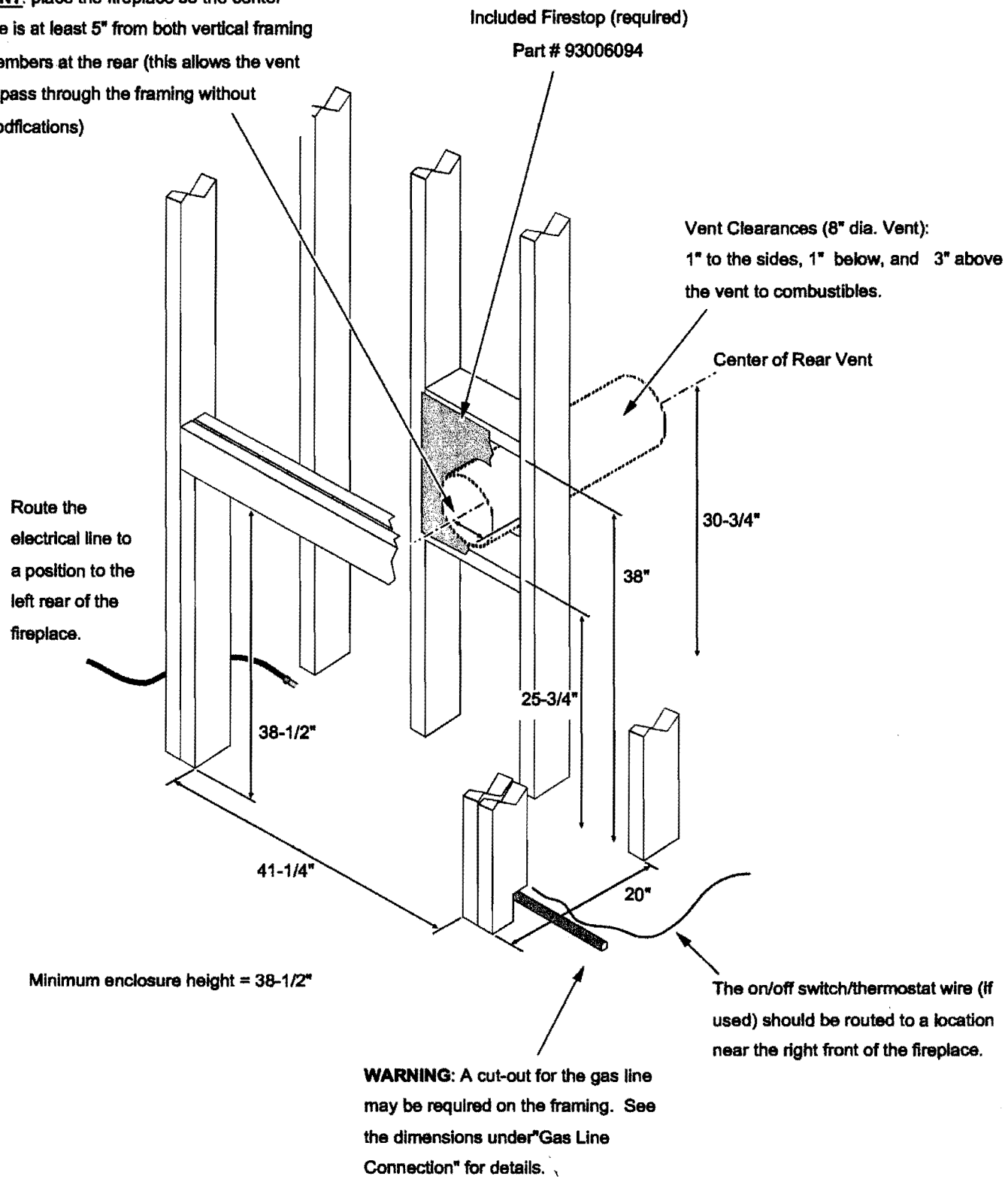
Raised Fireplaces

- The fireplace (and hearth, if desired) may be placed on a platform designed to support the fireplace (205 Lbs.) and vent.



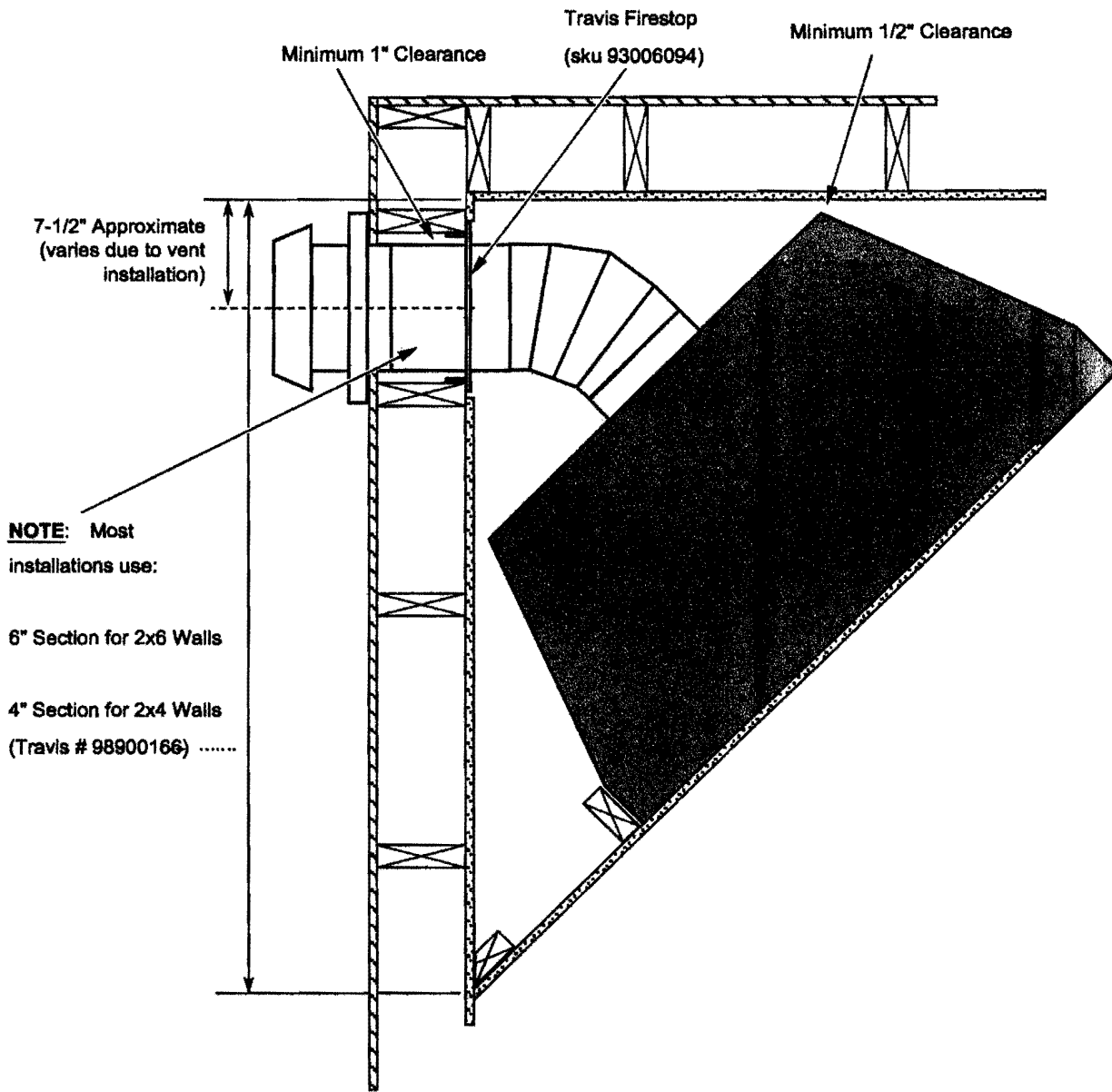
Minimum Framing Dimensions - Rear Vent Configuration

HINT: place the fireplace so the center line is at least 5" from both vertical framing members at the rear (this allows the vent to pass through the framing without modifications)



Corner Installations - Rear Vent Configuration

A typical 45° installation uses the framing dimensions shown in the illustration below (NOTE: all clearances still apply).



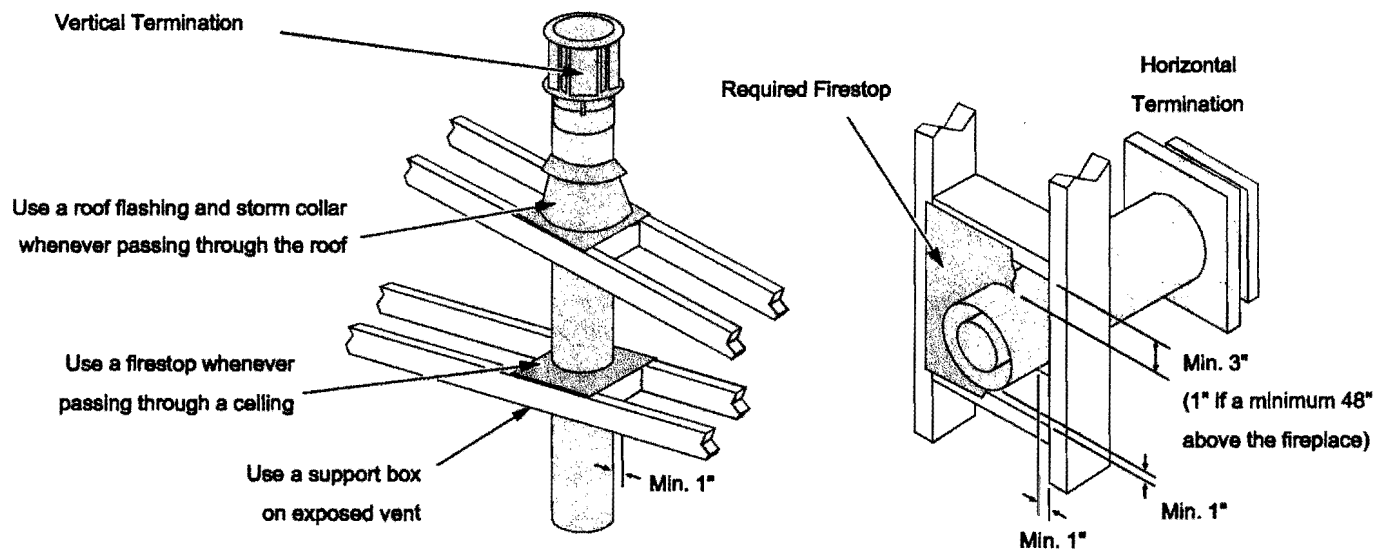
Requirements

- The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas-burning appliance. Each direct vent gas appliance must use its own separate vent system.
- In addition to the requirements listed here, follow the requirements provided with the vent.
- A firestop is required whenever the vent penetrates a wall, floor, or ceiling (passes through framing members). Horizontal vent less than 48" above the fireplace must use the Travis Firestop (sku 93006094 - it incorporates a 3" clearance above, 1" clearance below and to the sides of the vent). Other penetrations only require a 1" clearance and may use a standard firestop (make sure the required 1" clearance is met).
- Always use the high-wind termination (if available from the vent manufacturer).

Vent Clearances

- The vent must maintain the required clearance to combustibles to prevent a fire. Do not fill air spaces with insulation.

	Before 48" Rise	After 48" Rise
Sides	1"	1"
Above	3"	1"
Below Horizontal or 45° Section	1"	1"



Altitude Considerations

- This heater has been tested at altitudes ranging from sea level to 6,000 feet. In this testing we have found that the heater, with its standard orifice, burns correctly with just an air shutter adjustment.
- Failure to adjust the air shutter properly may lead to improper combustion which can create a safety hazard. Consult your dealer or installer if you suspect an improperly adjusted air shutter.

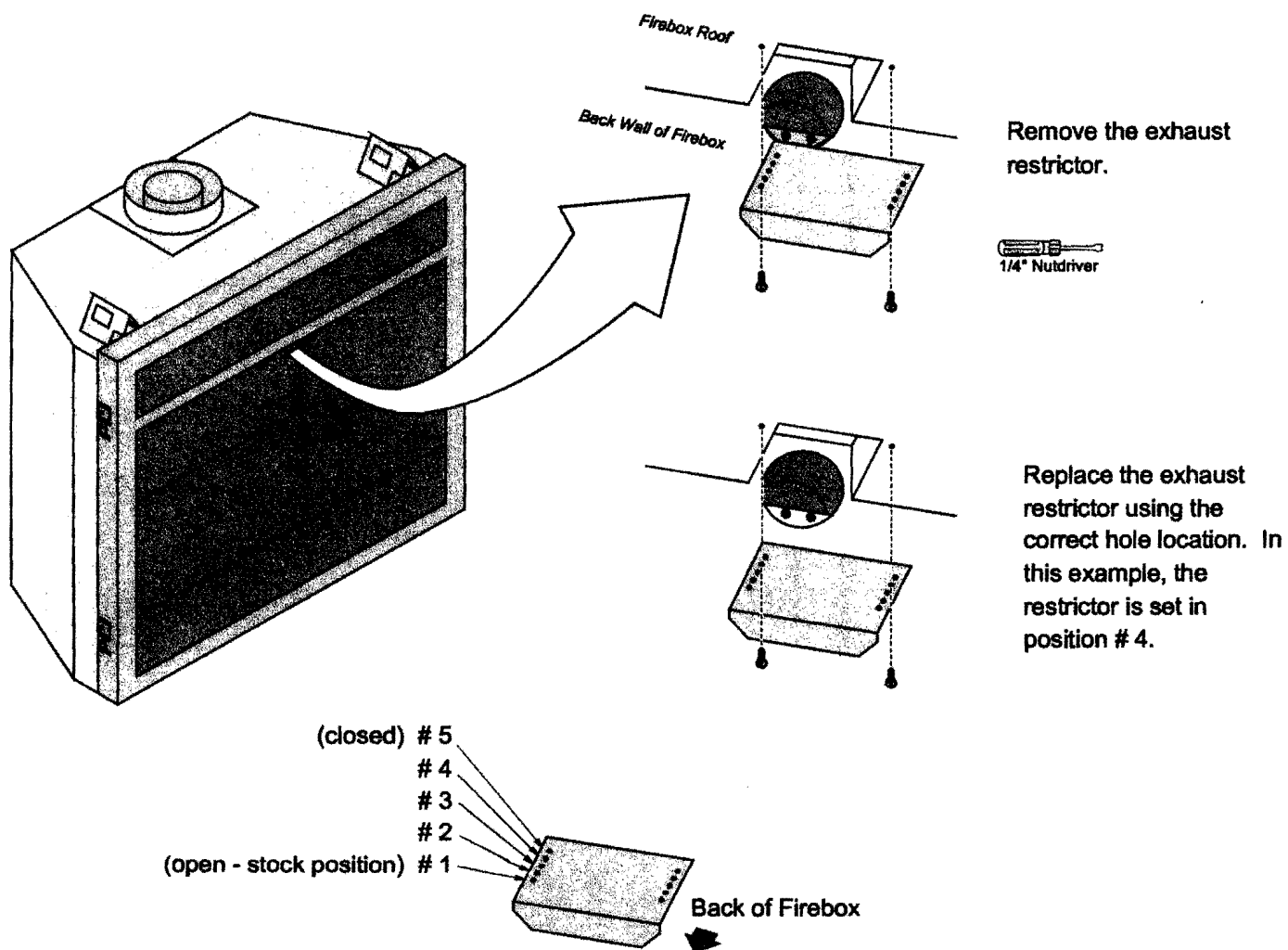
Approved Vent Configurations

Restrictor Position

- Intake and exhaust restrictors are built into the appliance to adjust the flow rate of intake air and exhaust gases. Depending upon the vent configuration, you may be required to adjust the restrictor positions. The charts for acceptable vent configurations detail the correct vent restrictor positions.

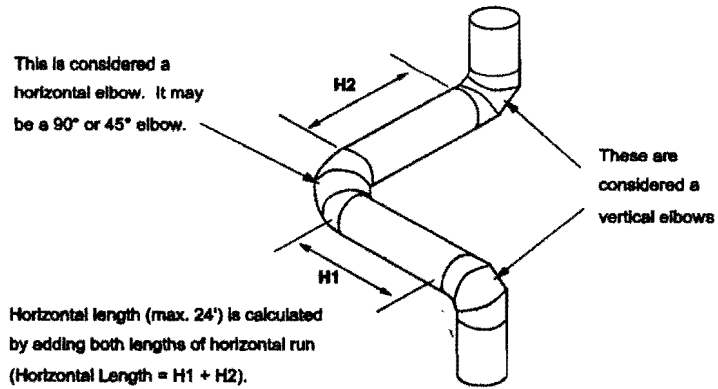
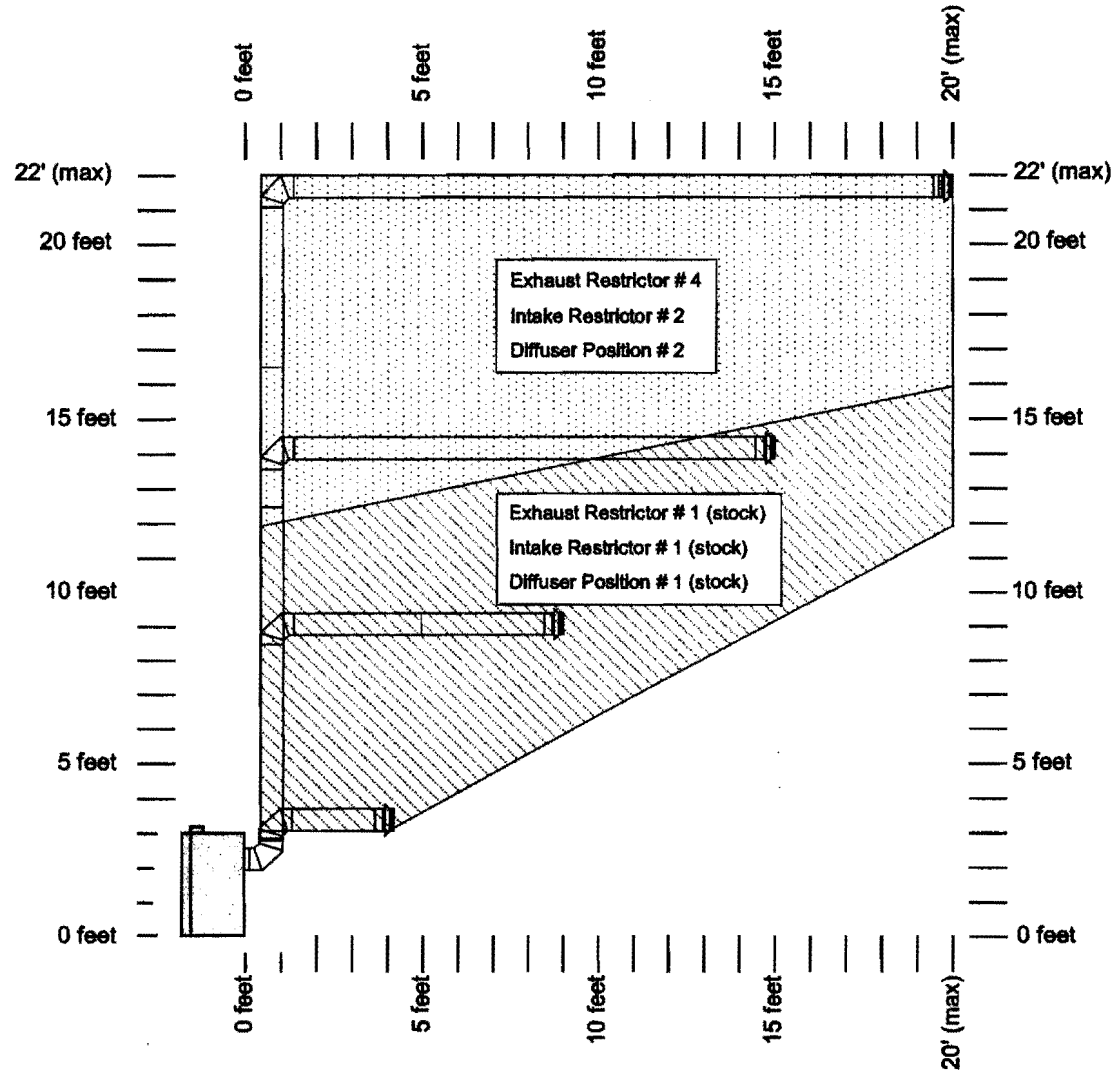
Exhaust Restrictor Adjustment

- i** If the diffuser is required to be in position # 2, you may wish to adjust the diffuser while the exhaust restrictor is removed.



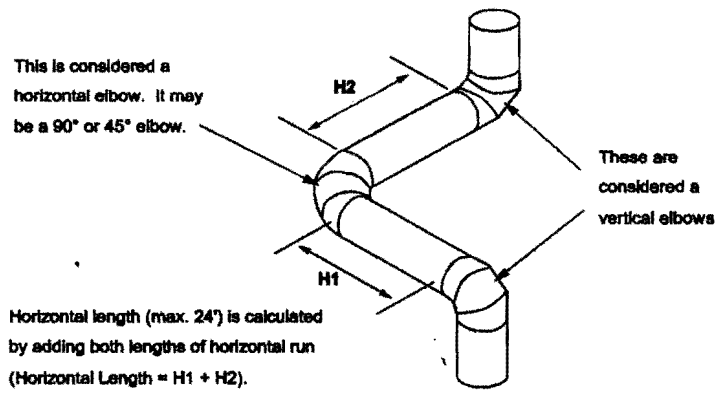
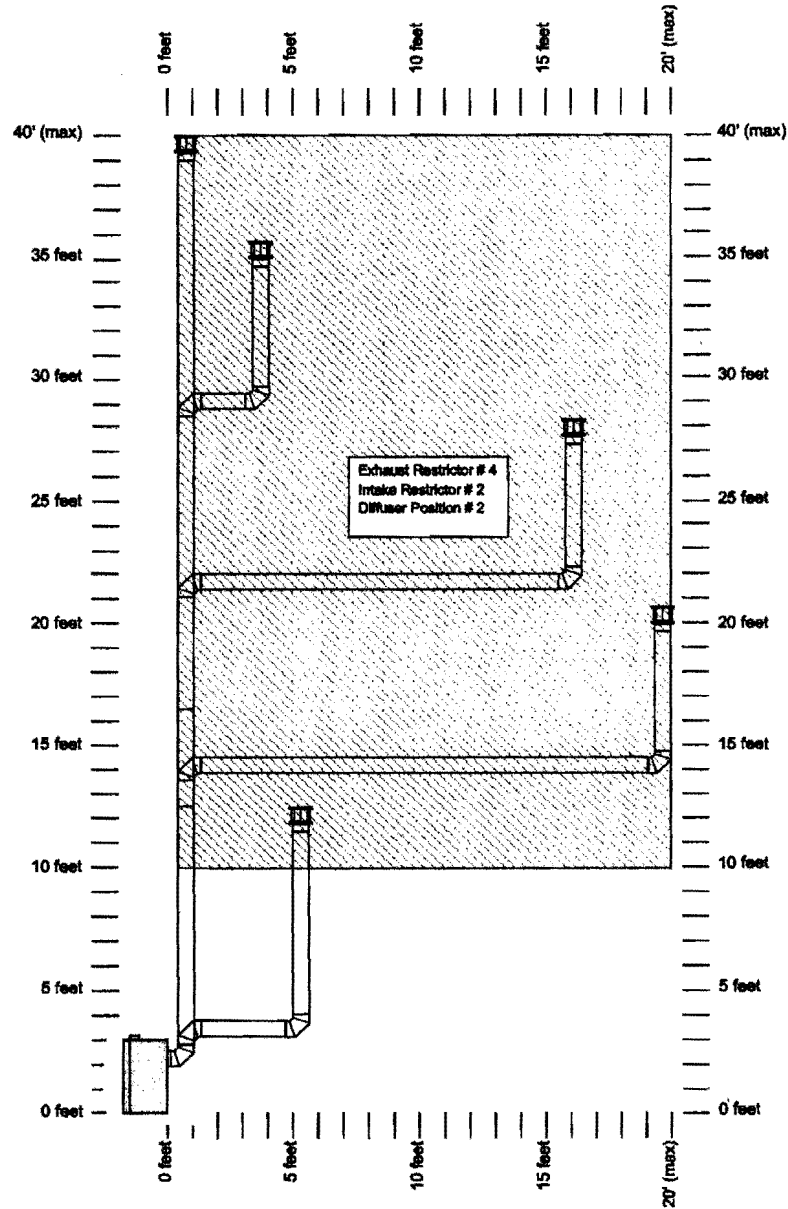
Vent Configuration with Horizontal Termination (with vertical rise)

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.



Duct Configuration with Vertical Termination

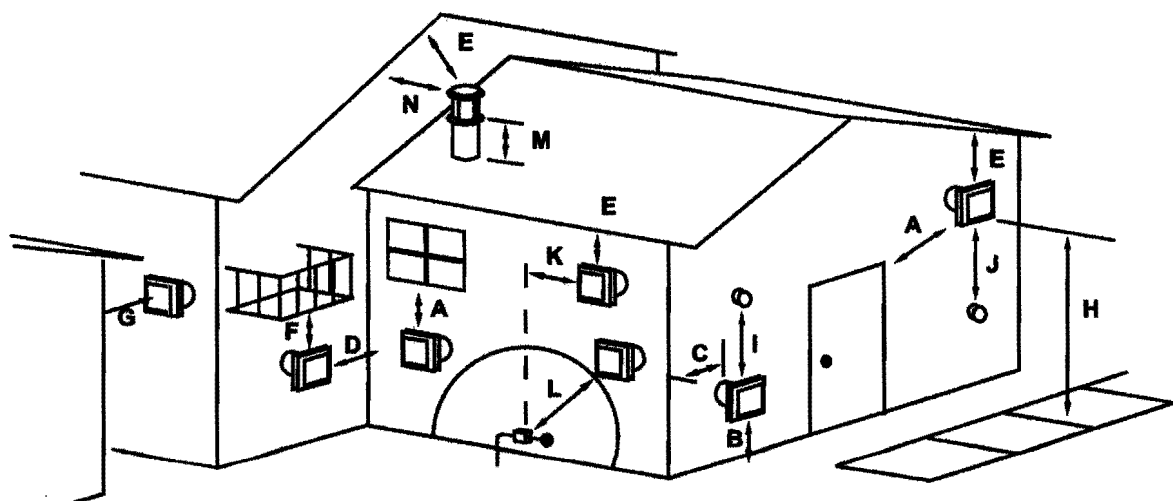
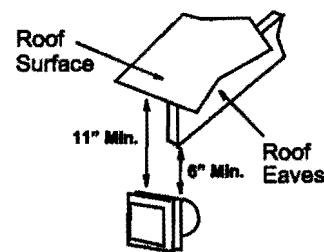
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.



Installation Requirements

NOTE: Measure all clearances from the nearest edge of the exhaust hood.

- A Minimum 9" clearance from any door or window
- B Minimum 12" above any grade, veranda, porch, deck or balcony
- C Minimum 3-3/8" from outside corner walls
- D Minimum 0" from inside corner walls
- E Minimum 11" clearance below unventilated soffits or roof surfaces
 Minimum 18" clearance below ventilated soffits
 Minimum 6" clearance below roof eaves
NOTE: Vinyl surfaces require 24"
- F Minimum 18" clearance below a veranda, porch, deck or balcony (must have two open sides)
- G Minimum 48" clearance from any adjacent building
- H Minimum 84" clearance above any grade when adjacent to public walkways or driveways
NOTE: may not be used over a walkway or driveway shared by an adjacent building
- I Minimum 48" clearance from any mechanical air supply inlet
- J Minimum 36" clearance above and 48" below and to the sides of non-mechanical air supply inlet
- K Minimum 36" from the area above the meter/regulator (vent outlet)
- L Minimum 36" from the meter/regulator (vent outlet)
- M Minimum 24" above the roof line (for vertical terminations)
- N Minimum 24" horizontal clearance to any surface (such as an exterior wall) – for vertical terminations

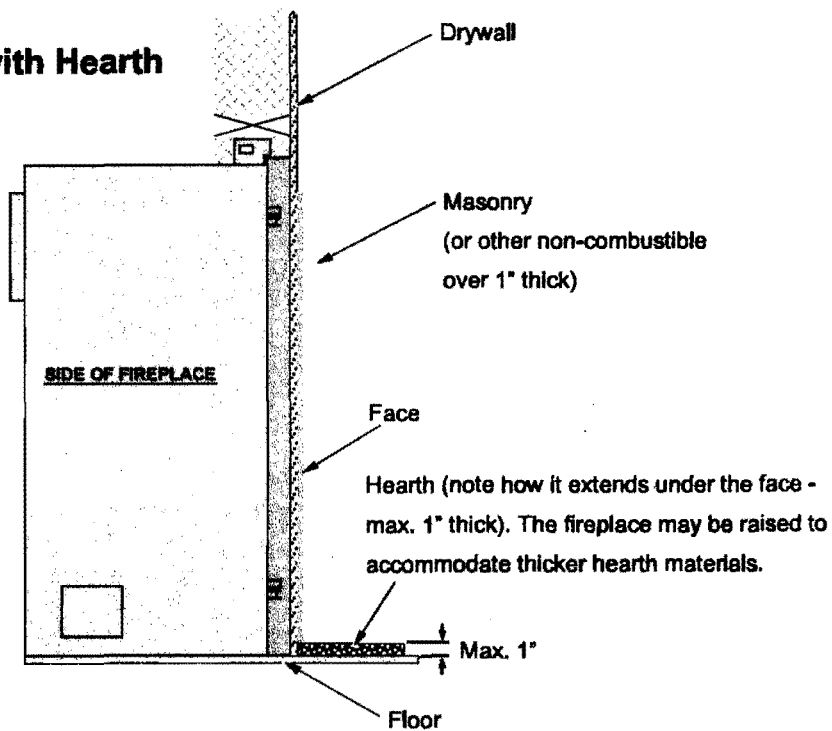


NOTE: Measure clearances to the nearest edge of the exhaust hood.

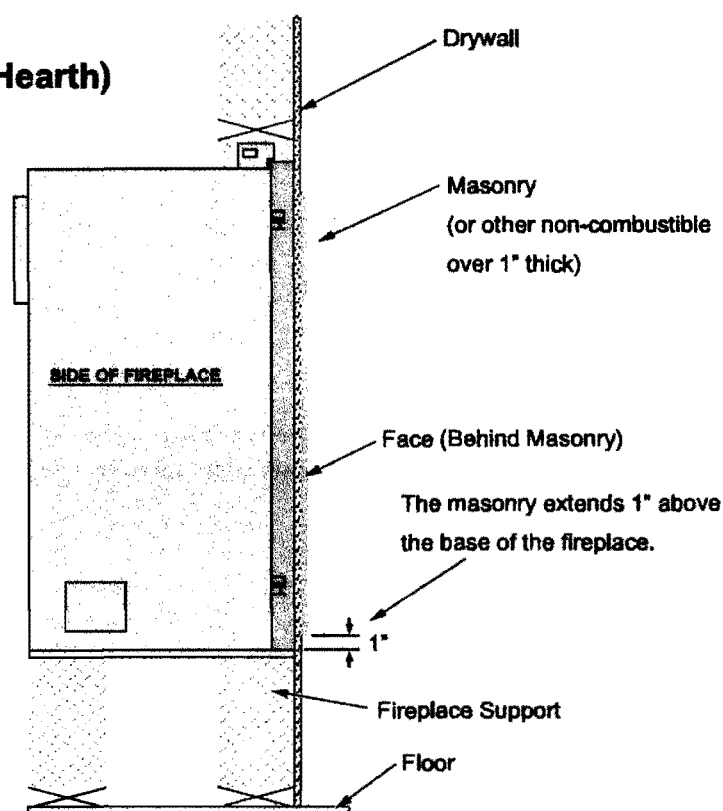
- Use the vinyl siding standoff (#950) when installing on an exterior with vinyl siding.
- Vent termination must not be located where it will become plugged by snow or other material.
- Venting termination shall not be recessed into a wall or siding.
- These clearances meet UMC-1994 code standards.
- These clearances meet UMC-1994 code standards.

Facing Installation - Side View

Floor-Mounted Fireplace with Hearth

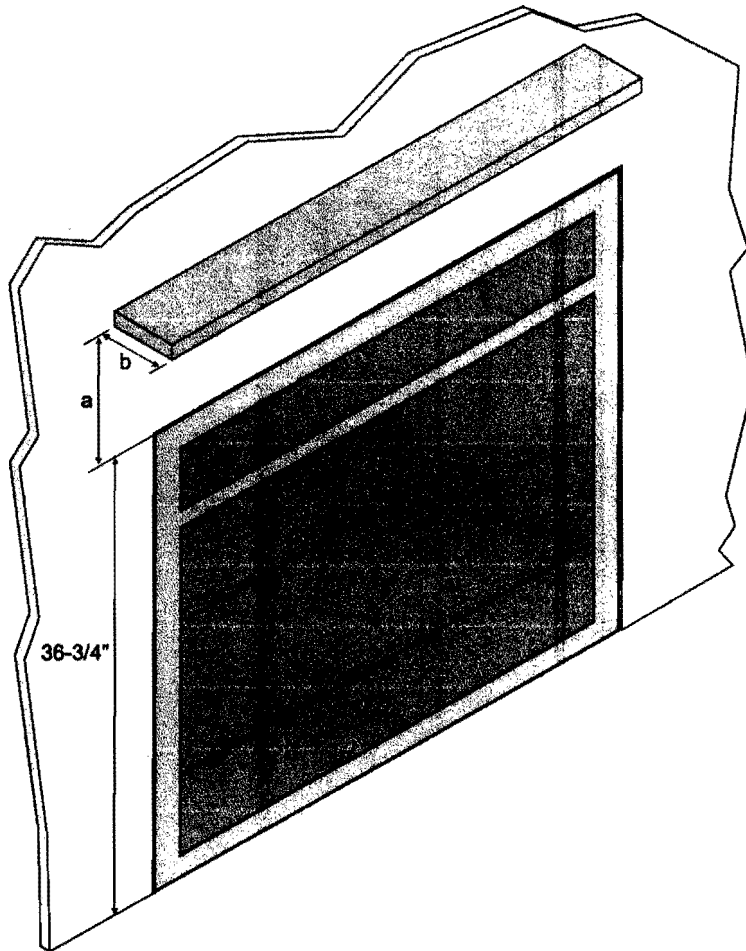
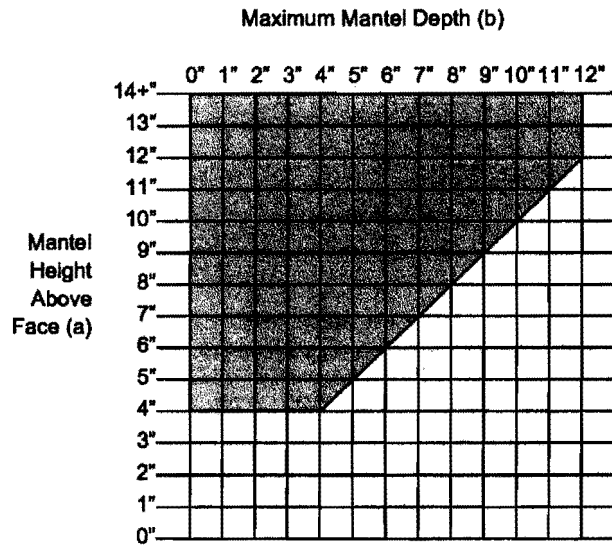


Raised Fireplace (with no Hearth)



Installation Requirements

- Use the table below to determine the maximum mantel depth allowed. The mantel depth (measured from the face of the fireplace) must fall in the shaded portion of the table.

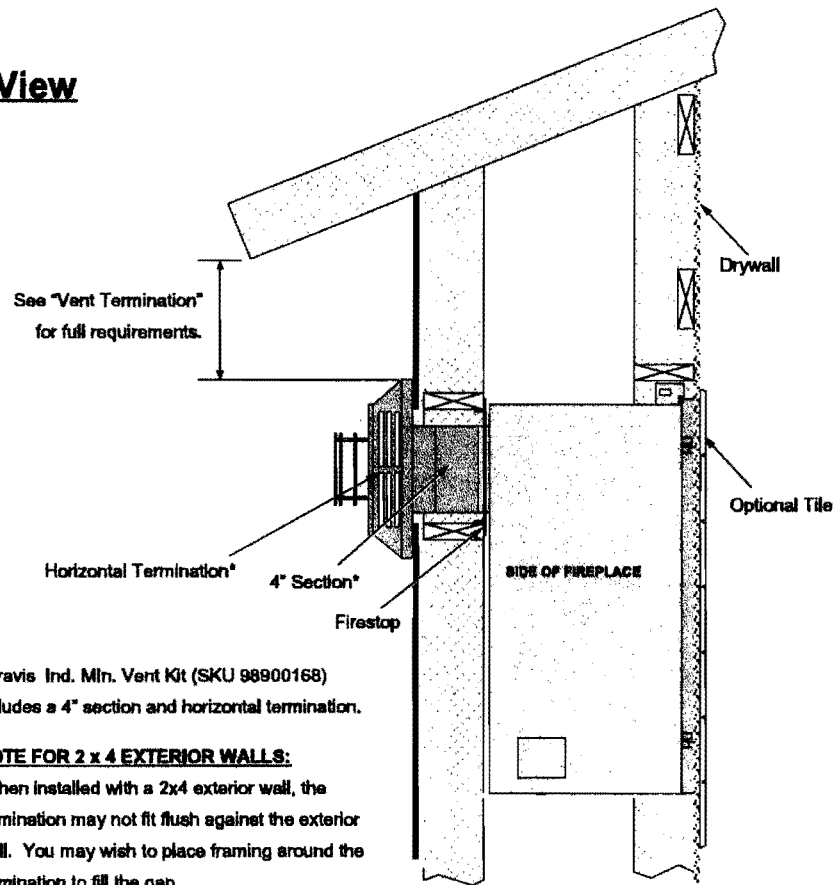


- Examples:
- If you wish to have a 8" deep mantel, it must be at least 8" above the fireplace face (44-3/4" above the base).
 - If you wish to have a mantel 6" above the fireplace face, it must be no deeper than 6".

Installation Example - Build-Out (Dog-House) with Horizontal Termination

The framing, facing, and other building materials depicted below are for example only. Refer to local building codes for framing, facing, and insulating requirements in your area.

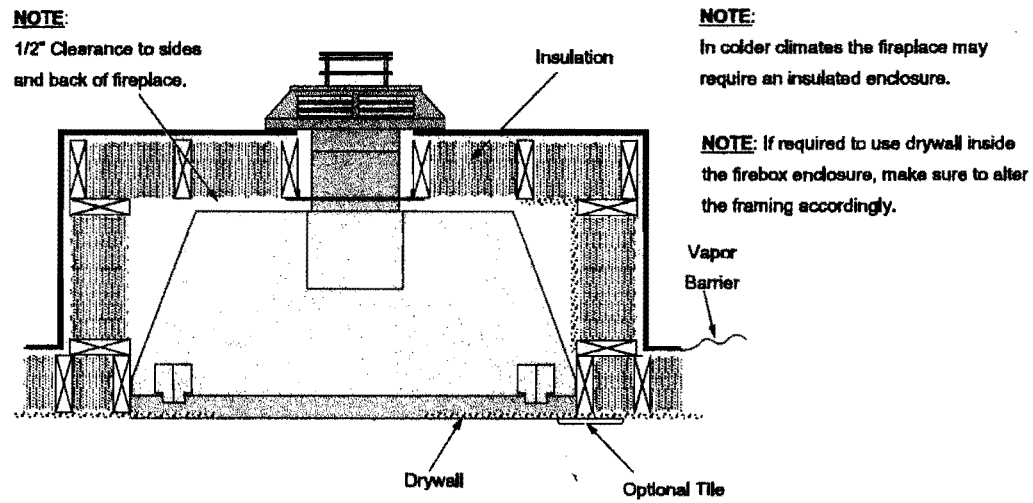
Side View



* Travis Ind. Min. Vent Kit (SKU 98900168)
Includes a 4" section and horizontal termination.

NOTE FOR 2 x 4 EXTERIOR WALLS:
When installed with a 2x4 exterior wall, the termination may not fit flush against the exterior wall. You may wish to place framing around the termination to fill the gap.

Top View



629 Main St. 889 Roosevelt Trail
 Gorham, ME 04038 N. Windham, ME 04062
 856-1000 856-7000 893-3483 893-2876
 Fax 856-1164

HM PHONE 877-1007	WK PHONE
CELL PHONE	ORDER TAKEN BY
DATE OF ORDER 9/21/05	Shaw
CONTRACTOR	
PHONE #	FAX #
MAILING ADDRESS	

To: Russ Ludka
 Town: Windham
 State: ME Zip Code: 0

Directions: 3 Doors down from Riverside Industrial Park, framed + open

① # 864 TRV		1450
# 98500170	order	
reg 1599		
① # 99002161	order	
Grill Kit		149
Veating System		645.00
Change to vent	Oil size	
into Masonry	into	
from street vent		
into chimney		
8" prepared		
5" liner		
(Need 25FT)	Oil size	
Belix		
Need masonry conversion kit		
and short length pipe		

COST OF ANY PROPANE NOT INCLUDED	
GAS LINE MATERIALS	
GAS LINE LABOR	
REGULATOR & GAS TANK PROPERTY OF WEBBER ENERGY	
Install Liner + Furnace labor	485.00
PERMIT FEE IF REQUIRED	
ADDITIONAL SHIPPING COST	
JOB LABOR	185
MATERIALS	2133
MATERIALS FOR GAS LINE	
GAS LINE LABOR	
TAX	106.65
TOTAL	
- SITE INSPECTION	-
BALANCE DUE	2724.65

TOTAL MATERIALS: 2133

20% Restocking Fee for ANY returned or cancelled materials!

I, the customer have read the back of contract for terms & conditions of sale, and has signed back page

Work ordered by Signature: [Signature]

I hereby acknowledge the satisfactory completion of the above described work

ANY PERMITS REQUIRED ARE CUSTOMER'S RESPONSIBILITY

50% DEPOSIT TO ORDER: 700.00 Paid

BALANCE DUE UPON INSTALLATION:

Circle One: (Customer Required to Sign Back of Contract)

MC / Visa / Disc.

CREDIT CARD # EXP. DATE

ANY INSTALLATION DATE GIVEN MAY VARY DEPENDING ON WEATHER, PRODUCT

Install Unit 1st then bring framing around it and then