

# City of Portland, Maine - Building or Use Permit Application

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

Job No: <b>2011-03-552-HVAC</b>	Date Applied: <b>3/7/2011</b>	CBL: <b>266 - - A - 002 - 001 - - - -</b>	
Location of Construction: <b>81 RIVERSIDE ST</b>	Owner Name: <b>PORTLAND WEST LLC LAFAYETTE</b>	Owner Address: <b>155 LITTLEFIELD AVE BANGOR, ME - MAINE 04401</b>	Phone:
Business Name:	Contractor Name: <b>Frost &amp; Flame, Frost &amp; Flame</b>	Contractor Address:	Phone:
Lessee/Buyer's Name:	Phone:	Permit Type: <b>HVAC - HVAC</b>	Zone: <b>B-4</b>
Past Use: <b>Holiday Inn Motel</b>	Proposed Use: <b>SAME: Holiday Inn Motel - to add Majestic Direct Vent Fireplace</b>	Cost of Work: <b>3000.00</b>	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved <i>w/conditions</i> <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: <i>A-2</i> Type: <i>HVAC</i>
		Signature: <i>[Signature]</i> <b>(50)</b>	Signature: <i>[Signature]</i>
Proposed Project Description: <b>Fireside Inn - To add direct vent fireplace</b>		Pedestrian Activities District (P.A.D.) <b>3/21/11</b>	

Permit Taken By: <b>Lannie</b>	<b>Zoning Approval</b>		
<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building Permits do not include plumbing, septic or electrical work.</li> <li>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.</li> </ol>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>04-19-11</i> <b>3/11/11</b>	<b>Zoning Appeal</b> <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:	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in Dist 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>[Signature]</i>
	<b>CERTIFICATION</b>		

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 appication 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.

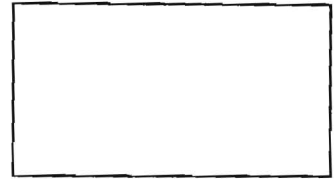
**PERMIT ISSUED**

SIGNATURE OF APPLICANT	ADDRESS	DATE: <b>MAR 2 2011</b>	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE	DATE	City of Portland	PHON



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 266-A-002 Use of Building Hotel Date 3-7-11  
Name and address of owner of appliance FIRE SIDE INN  
81 RIVER SIDE ST PORTLAND  
Installer's name and address FROST + FLAME 621 MAIN ST  
GORHAM MAINE 04038 Telephone 856-1000 - 7000

## Location of appliance:

- ☐ Basement ☒ Floor  
☐ Attic ☐ Roof

## Type of Fuel:

- ☒ Gas ☐ Oil ☐ Solid

Appliance Name: MAJESTIC 300 DVBN/PV7

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 5555  
☐ Other \_\_\_\_\_

## Type of Chimney:

- ☐ Masonry Lined  
Factory built \_\_\_\_\_

- ☐ Metal  
Factory Built U.L. Listing # \_\_\_\_\_

- ☒ Direct Vent  
Type I.C.C. UL# \_\_\_\_\_

## Type of Fuel Tank

- ☐ Oil  
☐ Gas

NATURAL GAS

Size of Tank \_\_\_\_\_

Number of Tanks \_\_\_\_\_

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 2900.00

Permit Fee: \$ 50

## Approved

Fire: \_\_\_\_\_

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

## Approved with Conditions

- ☐ See attached letter or requirement

Signature of Installer M.C. Hatt

Inspector's Signature MAR 3 2 2011

Date Approved

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

## BUILDING PERMIT INSPECTION PROCEDURES

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

or email: [buildinginspections@portlandmaine.gov](mailto: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 Elec/Plmb/Framing
2. Final 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 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.

PERMIT ISSUED

MAR 3 2 2011

City of Portland





# PORTLAND MAINE

*Strengthening a Remarkable City, Building a Community for Life • [www.portlandmaine.gov](http://www.portlandmaine.gov)*

Director of Planning and Urban Development  
Penny St. Louis

Job ID: 2011-03-552-HVAC

Located At: 81 RIVERSIDE

CBL: 266 - - A - 002 - 001 - - - -

## Conditions of Approval:

### **Fire**

1. Installation shall comply with City Code Chapter 10.
2. Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*; NFPA 54, *National Fuel Gas Code*; NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.

### **Building**

1. The installation must comply with the State of Maine gas regulations.
2. Appliance and venting shall be installed in compliance per the manufacturer's specifications and the listed standards.
3. Clearances to combustibles and vent clearances shall be maintained per listed specifications.

PERMIT ISSUED

MAR 3 2 2011

City of Portland



## Fire conditions

Installation shall comply with City Code Chapter 10.

Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*; NFPA 54, *National Fuel Gas Code*; NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.

PERMIT ISSUED

MAR 3 2 2011

City of Portland

3/7/11

**Job Summary Report**  
Job ID: 2011-03-552-HVAC

Report generated on Mar 8, 2011 3:35:44 PM

Page 1

<b>Job Type:</b>	HVAC	<b>Job Description:</b>	Fireside Inn	<b>Job Year:</b>	2011
<b>Building Job Status Code:</b>	Initiate Plan Review	<b>Pin Value:</b>	821	<b>Tenant Name:</b>	
<b>Job Application Date:</b>		<b>Public Building Flag:</b>	N	<b>Tenant Number:</b>	
<b>Estimated Value:</b>	3,000	<b>Square Footage:</b>			
<b>Related Parties:</b>		PORTLAND WEST LAFAYETTE		Property Owner	
		Frost & Flame - Frost & Flame Frost & Flame		MECHANICAL CONTRACTOR	

**Job Charges**

Fee Code Description	Charge Amount	Permit Charge Adjustment	Net Charge Amount	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Net Payment Amount	Outstanding Balance
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Location ID: 30624

**Location Details**

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
H13330	266 A 002 001		M				-70.327625	43.679738

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				81 RIVERSIDE STREET WEST

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
HOTEL & MOTEL		NOT APPLICABLE					DISTRICT 7	NASONS CORNER

**Structure Details**

**Structure: Holiday Inn**

**Occupancy Type Code:**

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address			
Hotels/Motels/ Transient in Nature	0			81 RIVERSIDE STREET WEST			
Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference	User Defined Property	Value

Permit #: 20111736

**Permit Data**

Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date
30624	Holiday Inn	Initialized	Add Majestic 300			

*unlike*  
*majestic*  
*NOT in Que in Historic*  
*Direct Vent For Place*

**Job Summary Report**  
**Job ID: 2011-03-552-HVAC**

Report generated on Mar 8, 2011 3:35:44 PM

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**Inspection Details**

Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag
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**Fees Details**

Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
Job Valuation Fees	\$50.00							



SEBAGO LAKE POOLS/ROYAL IMPROVEMENTS, INC.  
FROST N' FLAME, INC.

621 Main St.  
Gorham, ME 04038  
856-1000 856-7000

889 Roosevelt Trail  
Windham, ME 04062  
**893-3483 893-2876**

**FAX 856-1164**

[www.frostandflame.com](http://www.frostandflame.com)      [www.sebagolakepools.com](http://www.sebagolakepools.com)

To: Preside Inn  
81 Riverside St. Town: Portland  
 State: ME Zip Code: 04103

Directions: By Old Exit 8 Maine Turnpike

HOME PHONE 774-5601	JOB INVOICE
CELL	WK PHONE
DATE OF ORDER	ORDER TAKEN BY A
<del>CONTACT OFF</del> manager Rich Kelley	
PHONE #	FAX #
MAILING ADDRESS OR E-MAIL Pwmwe@a.gwi.net	

PNT  
55-55

QTY.	MATERIALS	PRICE	AMOUNT	DESCRIPTION OF WORK/LOCATION
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1	Majestic Fireplaces Natural Gas model 300 DV B All Black Face Each \$1,195.00		1,195.00	
1	Vent system each 495.00		495.00	
1	Nevada Style Mantle stain minivax Rosewood color Clear Tint Base 645.00		645.00	
1	Wall switch with timer Skytech model/ Regular price \$119.00		\$89.00	
			2424.00	
TOTAL MATERIALS				
20% Restocking Fee for ANY returned or cancelled materials!				
I, the customer, have read the back of this contract for terms & conditions of sale, and have signed the back page.				
Work ordered by _____				
Signature _____				
I hereby acknowledge the satisfactory completion of the above described work				
ANY PERMITS REQUIRED ARE CUSTOMER'S RESPONSIBILITY				
50% DEPOSIT TO ORDER: 1,463.72				
BALANCE DUE UPON INSTALLATION: 1,463.72				
ESTIMATE GOOD FOR _____ DAYS				
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580 5156

# MAJESTIC

## DVB7 Series

## Direct Vent Gas Fireplace

### Models:

300DVBN/PV7;N/PSC7, 400DVBN/PV7;N/PSC7,  
500DVBN/PV7;N/PSC7, 600DVBN/PV7;N/PSC7

### WARNING

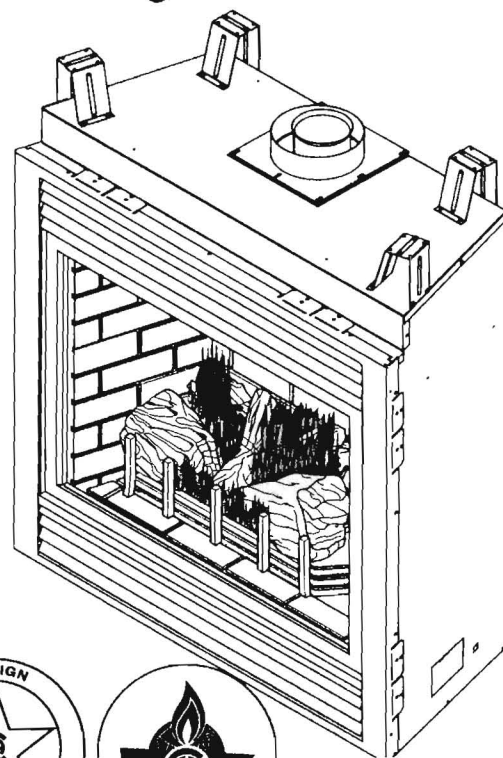
IF THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

- 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 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.

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

This appliance may be installed in an aftermarket\*, permanently located, manufactured home (USA only) 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.

\* Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer.



**DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.**

**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.**

**YOUNG CHILDREN SHOULD BE SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.**

**CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.**

**KEEP THE ROOM AREA CLEAR AND FREE FROM COMBUSTIBLE MATERIALS, GASOLINE, AND OTHER FLAMMABLE VAPORS AND LIQUIDS.**

**INSTALLER:** Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.



12. Do not use this fireplace to cook food or burn paper or other objects.
13. Never place anything on top of fireplace.
14. Do not use any solid fuels (wood, coal, paper, cardboard, etc.) in this fireplace. Use only the gas type indicated on rating plate.
15. This 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.
16. Do not obstruct the flow of combustion and ventilation air in any way. Provide adequate clearances around air openings into the combustion chamber along with adequate accessibility clearance for servicing and proper operation.
17. When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, you must set appliance on a metal or wood panel or hearth pad extending the full width and depth of the appliance.
18. Do not use fireplace if any part has been exposed to or has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control which has been submerged in water.
19. Do not operate fireplace if any log is broken.
20. Do not use a blower insert, heat exchanger insert, or any other accessory not approved for use with this fireplace.
21. Do not operate the fireplace with glass door removed, cracked, or broken.

### CODE APPROVAL

Direct Vent type appliances draw all combustion air from outside of the dwelling through the vent pipe.

These appliances have been tested by CSA and found to comply with the established standards for DIRECT VENT GAS FIREPLACE HEATERS in the USA and Canada as follows:

#### LISTED VENTED GAS FIREPLACE HEATER

TESTED TO:

**ANSI Z21.88B-2009 / CSA 2.33-2009 STANDARDS**

A manufactured home (USA only) or mobile home OEM installation must conform with the **Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280**, or when such a standard is not applicable, the **Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1**, or **Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4**.

### IMPORTANT: PLEASE READ THE FOLLOWING CAREFULLY

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or car engine.

### IMPORTANT: PLEASE READ THE FOLLOWING CAREFULLY

It is not unusual for gas fireplaces to give off some odor the first time it is burned. This is due to the manufacturing process.

**Please ensure that your room is well ventilated during burn off — open all windows.**

It is recommended that you burn your fireplace for at least ten (10) hours the first time you use it. Place the fan switch in the "OFF" position during this time.

### WARNING

**Never connect unit to private (non-utility) gas wells. This gas is commonly known as wellhead gas.**



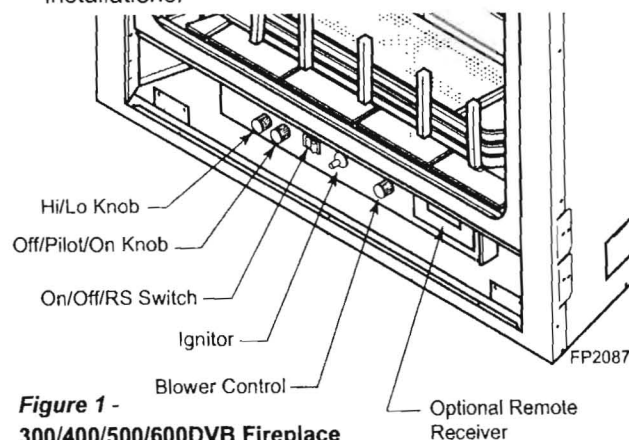
We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.





**PRODUCT SPECIFICATIONS**

- This appliance has been certified for use with either natural or propane gas. Refer to appropriate data plates.
- This appliance is not for use with solid fuels.
- The appliance is approved for bedroom or bedsitting room installations.
- The appliance must be installed in accordance with local codes if any. If none exist use the current installation code. ANSI Z223.1/NFPA 54 in the USA, CSA B149 in Canada.
- This appliance is mobile home approved.
- The appliance must be properly connected to a venting system.
- The appliance is not approved for closet or recessed installations.



**Figure 1 -**  
**300/400/500/600DVB Fireplace**  
**(Millivolt Control Shown)**

**HIGH ELEVATIONS**

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

For elevations above 4,500 feet (1,370 m) in USA, installation must be in accordance with the current ANSI Z223.1/NFPA 54 and/or local codes having jurisdiction.

In Canada, please consult provincial and/or local authorities having jurisdiction for installation at elevations above 4,500 feet (1,370 m).

**GAS PRESSURES**

	Natural	Propane (LP)
Inlet Minimum	4.5" w.c.	11.0" w.c.
Inlet Maximum	10.5" w.c.	13.0" w.c.
Manifold Pressure	3.5" w.c.	10.0" w.c.

**GAS SPECIFICATIONS & ORIFICE SIZE**

Model	Fuel	Max. Input BTU/h	Min. Input BTU/h	Orifice Size
300DVB7	Nat.	21,000	15,000	#43
300DVBPV7	LP	21,000	15,000	#54
300DVBN7	Nat.	21,000	15,000	#43
300DVBNPC7	LP	21,000	15,000	#54
400DVB7	Nat.	24,000	17,000	#41
400DVBPV7	LP	24,000	17,000	#53
400DVBN7	Nat.	24,000	17,000	#41
400DVBNPC7	LP	24,000	17,000	#53
500DVB7	Nat.	26,000	20,000	#40
500DVBPV7	LP	26,000	20,000	1.55 mm
500DVBN7	Nat.	26,000	20,000	#40
500DVBNPC7	LP	26,000	20,000	1.55 mm
600DVB7	Nat.	26,000	20,000	#40
600DVBPV7	LP	26,000	20,000	1.55 mm
600DVBN7	Nat.	26,000	20,000	#40
600DVBNPC7	LP	26,000	20,000	1.55 mm

**BEFORE YOU START**

Read this homeowner manual thoroughly and follow all instructions carefully. Inspect all contents for shipping damage and immediately inform your dealer if any damage is found. Do not install any unit with damaged, incomplete, or substitute parts. Check your packing list to verify that all listed parts have been received. You should have the following:

- Fireplace (Firebox and Burner System)
- Rock Wool
- Log Set

**ITEMS REQUIRED FOR INSTALLATION**

- Phillips Screwdriver
- Hammer
- Saw and/or saber saw
- Electric Drill and Bits
- Pliers
- Square
- Caulking Material (Noncombustible)
- Fireplace Surround Material (Noncombustible)
- Piping Complying with Local Codes
- Pipe Sealant Approved for use with Propane/LPG (Resistant to Sulfur Compounds)
- Framing Materials
- Wall Finishing Materials
- Level
- Tee Joint
- Measuring Tape
- Pipe Wrench

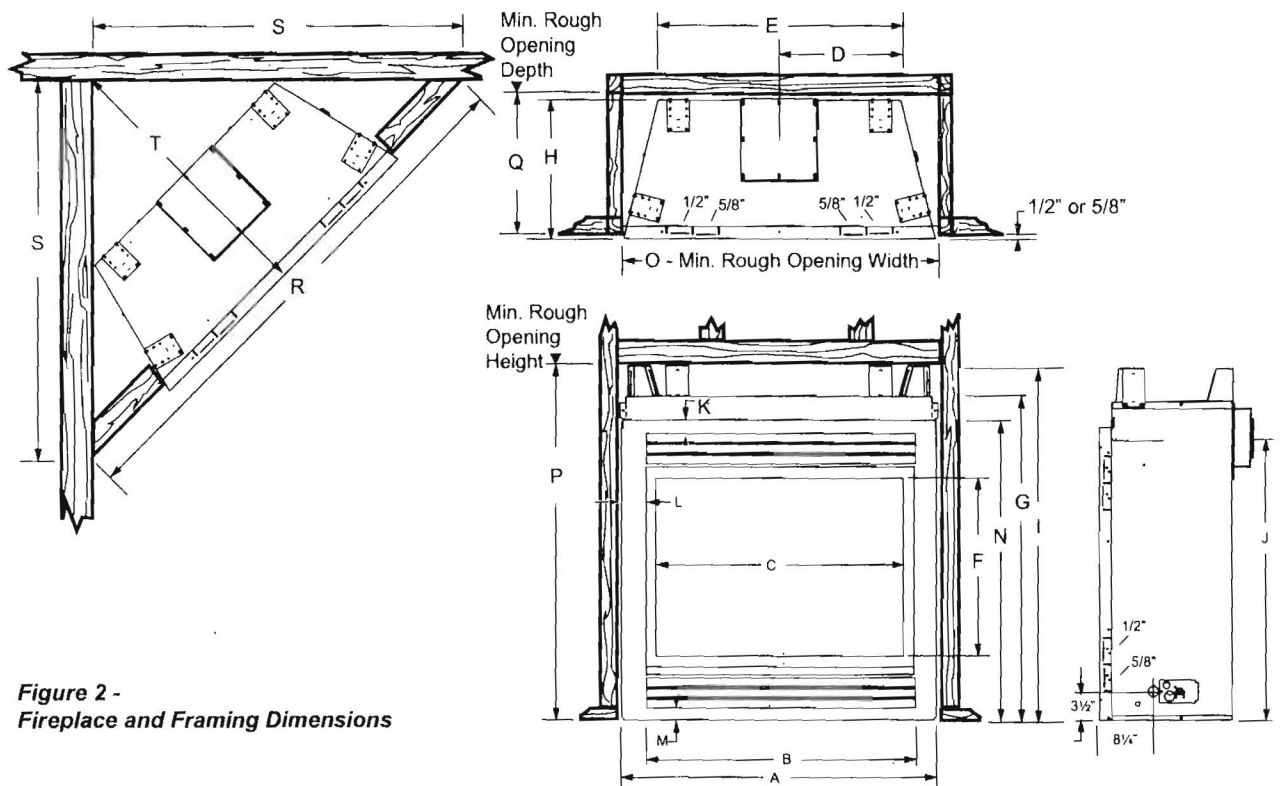


Figure 2 -  
Fireplace and Framing Dimensions

	300DVB	400DVB	500DVB	600DVB
A	33 <sup>1</sup> / <sub>16</sub> " (840 mm)	37 <sup>1</sup> / <sub>16</sub> " (941 mm)	41 <sup>1</sup> / <sub>16</sub> " (1043 mm)	47 <sup>1</sup> / <sub>16</sub> " (1195 mm)
B	29 <sup>7</sup> / <sub>8</sub> " (759 mm)	32" (813 mm)	36" (914 mm)	42" (1067 mm)
C	27" (686 mm)	29" (737 mm)	33" (838 mm)	39" (991 mm)
D	16 <sup>1</sup> / <sub>2</sub> " (419 mm)	18 <sup>1</sup> / <sub>2</sub> " (470 mm)	20 <sup>1</sup> / <sub>2</sub> " (521 mm)	23 <sup>1</sup> / <sub>2</sub> " (597 mm)
E	28" (711 mm)	29" (737 mm)	33" (838 mm)	39" (991 mm)
F	18" (457 mm)	20 <sup>3</sup> / <sub>8</sub> " (518 mm)	20 <sup>3</sup> / <sub>8</sub> " (518 mm)	20 <sup>3</sup> / <sub>8</sub> " (518 mm)
G	33 <sup>7</sup> / <sub>8</sub> " (860 mm)	37 <sup>1</sup> / <sub>2</sub> " (953 mm)	37 <sup>1</sup> / <sub>2</sub> " (953 mm)	37 <sup>1</sup> / <sub>2</sub> " (953 mm)
H	14" (357 mm)	16" (406 mm)	16" (406 mm)	16" (406 mm)
I	37 <sup>7</sup> / <sub>8</sub> " (962 mm)	41 <sup>1</sup> / <sub>2</sub> " (1054 mm)	41 <sup>1</sup> / <sub>2</sub> " (1054 mm)	41 <sup>1</sup> / <sub>2</sub> " (1054 mm)
J	29 <sup>5</sup> / <sub>8</sub> " (753 mm)	33 <sup>1</sup> / <sub>8</sub> " (841 mm)	33 <sup>1</sup> / <sub>8</sub> " (841 mm)	33 <sup>1</sup> / <sub>8</sub> " (841 mm)
K	2 <sup>1</sup> / <sub>8</sub> " (54 mm)	1 <sup>1</sup> / <sub>4</sub> " (32 mm)	1 <sup>1</sup> / <sub>4</sub> " (32 mm)	1 <sup>1</sup> / <sub>4</sub> " (32 mm)
L	1 <sup>1</sup> / <sub>2</sub> " (38 mm)	2 <sup>1</sup> / <sub>2</sub> " (64 mm)	2 <sup>1</sup> / <sub>2</sub> " (64 mm)	2 <sup>1</sup> / <sub>2</sub> " (64 mm)
M	15 <sup>1</sup> / <sub>16</sub> " (24 mm)	15 <sup>1</sup> / <sub>16</sub> " (24 mm)	15 <sup>1</sup> / <sub>16</sub> " (24 mm)	15 <sup>1</sup> / <sub>16</sub> " (24 mm)
N	31 <sup>5</sup> / <sub>8</sub> " (803 mm)	34 <sup>3</sup> / <sub>4</sub> " (883 mm)	34 <sup>3</sup> / <sub>4</sub> " (883 mm)	34 <sup>3</sup> / <sub>4</sub> " (883 mm)
O	33 <sup>1</sup> / <sub>2</sub> " (851 mm)	37 <sup>1</sup> / <sub>2</sub> " (953 mm)	41 <sup>1</sup> / <sub>2</sub> " (1054 mm)	47 <sup>1</sup> / <sub>2</sub> " (1207 mm)
P	38" (966 mm)	41 <sup>5</sup> / <sub>8</sub> " (1057 mm)	41 <sup>5</sup> / <sub>8</sub> " (1057 mm)	41 <sup>5</sup> / <sub>8</sub> " (1057 mm)
Q	13 <sup>3</sup> / <sub>4</sub> " (349 mm)	15 <sup>3</sup> / <sub>4</sub> " (400 mm)	15 <sup>3</sup> / <sub>4</sub> " (400 mm)	15 <sup>3</sup> / <sub>4</sub> " (400 mm)
R	55 <sup>1</sup> / <sub>16</sub> " (1414 mm)	60 <sup>7</sup> / <sub>8</sub> " (1546 mm)	64 <sup>7</sup> / <sub>8</sub> " (1648 mm)	70 <sup>7</sup> / <sub>8</sub> " (1800 mm)
S	39 <sup>3</sup> / <sub>8</sub> " (1000 mm)	43 <sup>1</sup> / <sub>16</sub> " (1094 mm)	45 <sup>7</sup> / <sub>8</sub> " (1165 mm)	50 <sup>5</sup> / <sub>8</sub> " (1273 mm)
T	27 <sup>13</sup> / <sub>16</sub> " (706 mm)	30 <sup>7</sup> / <sub>16</sub> " (773 mm)	32 <sup>7</sup> / <sub>16</sub> " (824 mm)	35 <sup>7</sup> / <sub>16</sub> " (900 mm)



## FIREBOX FRAMING

Firebox framing can be built before or after the appliance is set in place. Refer to *Figure 2* for fireplace and framing dimensions. Construct firebox framing following *Figure 2* for your specific installation requirements. The framing headers may rest on the top of the firebox standoffs. Do not bring headers below top of standoffs.

The firebox may be installed directly on a combustible floor or raised on a platform of an appropriate height. When the firebox is installed directly on carpeting, tile, or other combustible material, other than wood flooring, the firebox shall be installed on a metal or wood panel extending the full width and depth of the enclosure.

## FIREPLACE LOCATION

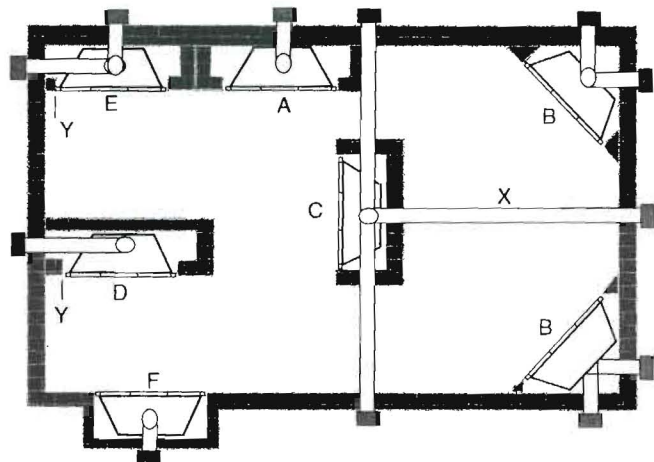
Plan for the installation of your appliance. This includes determining where the unit is to be installed, the vent configuration to be used, framing and finishing details, and whether any optional accessories (i.e. blower, wall switch, or remote control) are desired. Consult your local building code agency to ensure compliance with local codes, including permits and inspections.

The following factors should be taken into consideration:

- Clearance to side-wall, ceiling, woodwork, and windows. Minimum clearances to combustibles **must be maintained**.
- This fireplace may be installed along a wall, across a corner, or use an exterior chase. Refer to *Figure 3* for suggested locations.
- Location should be out of high traffic areas and away from furniture and draperies due to heat from appliance.
- Never obstruct the front opening of the fireplace.
- Do **not** install in the vicinity where gasoline or other flammable liquids may be stored.
- Vent pipe routing. Refer to *Venting* section found in this manual for allowable venting configurations.
- These units can be installed in a bedroom. See National Fuel Gas Code ANSI Z233.1/NFPA 54 — (current edition), the Uniform Mechanical Code — (current edition), and Local Building Codes for specific installation requirements.

### WARNING

**Do not fill spaces around firebox with insulation or other materials. This could cause a fire.**



**Figure 3 -  
Fireplace Locations**

- A Flat on Wall
- B Cross Corner
- C Island\*\*
- D Room Divider\*
- E Flat on Wall Corner\*
- F Chase Installation
- Y 4" Minimum

\*\* Island (C) and room divider (D) installation is possible as long as the horizontal portion of vent system (X) does not exceed 20'. Refer to *Termination Location* on Pages 12 and 13.

\* When you install your fireplace in (D) room divider or (E) flat on wall corner positions (Y), a minimum of 6" clearance must be maintained from perpendicular wall and front of fireplace.

### NOTE

## COLD CLIMATE INSULATION

If you live in a cold climate, seal all cracks around your appliance, and wherever cold air could enter the room, with noncombustible material. It is especially important to insulate the outside chase cavity between the studs and under the floor on which the appliance rests, if the floor is above ground level.



## CLEARANCES TO COMBUSTIBLES

**WARNING**

Follow these instructions carefully to ensure safe installation. Failure to follow instructions exactly can create a fire hazard.

The appliance cannot be installed on a carpet, tile or other combustible material other than wood flooring. If installed on carpet or vinyl flooring, the appliance shall be installed on a metal, wood or noncombustible material panel extending full width and depth of the appliance.

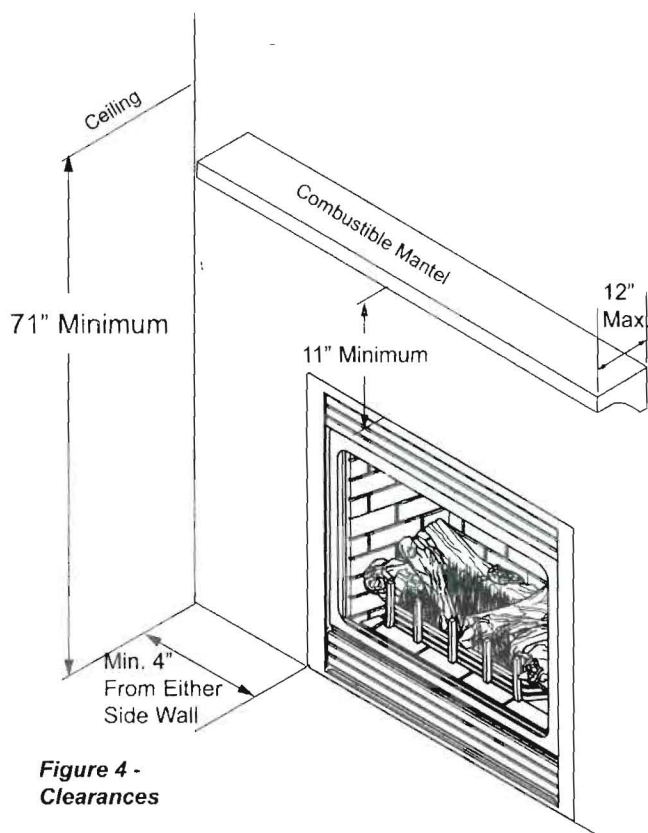


Figure 4 -  
Clearances

## MANTEL CLEARANCES

**NOTE:** The combustible area above the facing must not protrude more than 1/2" from the facing. If it does, it is considered a mantel and must meet the mantel requirements listed in this manual.

**WARNING**

Never obstruct or modify the air inlet or outlet grilles (louvers). This may create a fire hazard.

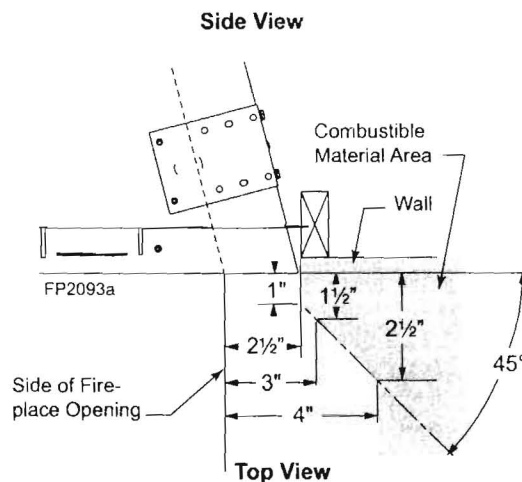
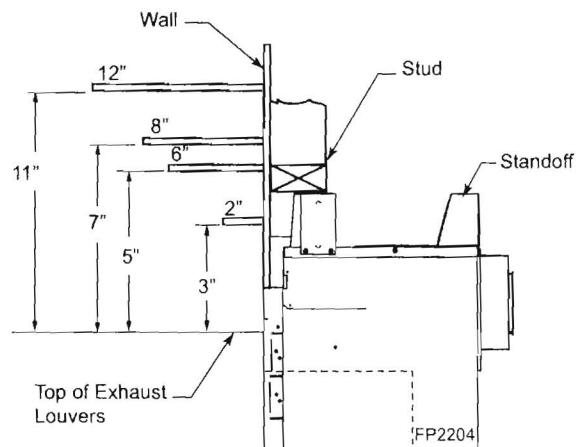


Figure 5 -  
Mantel Clearances

**Figure 10 -  
Termination Locations**

	Canadian Installations <sup>1</sup>	US Installations <sup>2</sup>
A = Clearance above grade, veranda, porch, deck, or balcony	12" (30 cm)	12" (30 cm)
B = Clearance to window or door that may be opened	6" (15 cm) for appliances < 10,000 BTU/h (3kW), 12" (30 cm) for appliances > 10,000 BTU/h (3kW) and < 100,000 BTU/h (30kW), 36" (91 cm) for appliances > 100,000 BTU/h (30kW)	6" (15 cm) for appliances < 10,000 BTU/h (3kW), 9" (23 cm) for appliances > 10,000 BTU/h (3kW) and < 50,000 BTU/h (15kW), 12" (30 cm) for appliances > 50,000 BTU/h (15kW)
C = Clearance to permanently closed window	12" (305 mm) recommended to prevent window condensation	12" (305 mm) recommended to prevent window condensation
D = Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2' (610mm) from the center line of the terminal	18" (458 mm)	18" (458 mm)
E = Clearance to unventilated soffit	12" (305 mm)	12" (305 mm)
F = Clearance to outside corner	see next page	see next page
G = Clearance to inside corner (see next page)	see next page	see next page
H = Clearance to each inside of center line extended above meter/regulator assembly	3' (91 cm) within a height of 15' (5 m) above the meter/regulator assembly	3' (91 cm) within a height of 15' (5 m) above the meter/regulator assy
I = Clearance to service regulator vent outlet	3' (91 cm)	3' (91 cm)
J = Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliances	6" (15 cm) for appliances < 10,000 BTU/h (3kW), 12" (30 cm) for appliances > 10,000 BTU/h (3kW) and < 100,000 BTU/h (30kW), 36" (91 cm) for appliances > 100,000 BTU/h (30kW)	6" (15 cm) for appliances < 10,000 BTU/h (3kW), 9" (23 cm) for appliances > 10,000 BTU/h (3kW) and < 50,000 BTU/h (15kW), 12" (30 cm) for appliances > 50,000 BTU/h (15kW)
K = Clearance to a mechanical air supply inlet	6' (1.83 m)	3' (91 cm) above if within 10' (3 m) horizontally
L = Clearance above paved sidewalk or paved driveway located on public property	7' (2.13 m)†	7' (2.13 m)†
M = Clearance under veranda, porch, deck or balcony	12" (30 cm)‡	12" (30cm)‡

1 In accordance with the current CSA-B149 Installation Codes  
2 In accordance with the current ANSI Z223.1/NFPA 54 National Fuel  
Gas Codes  
† A vent shall not terminate directly above a sidewalk or paved  
driveway which is located between two single family  
dwellings and serves both dwellings  
‡ only permitted if veranda, porch, deck or balcony is fully open on a  
minimum 2 sides beneath the floor:

NOTE: 1. Local codes or regulations may require different clearances.

2. The special venting system used on Direct Vent Fireplaces are certified as part of the appliance, with clearances tested and approved by the listing agency.

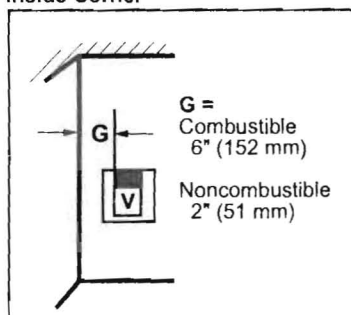
3. MHSC assumes no responsibility for the improper performance of the appliance when the venting system does not meet these requirements.



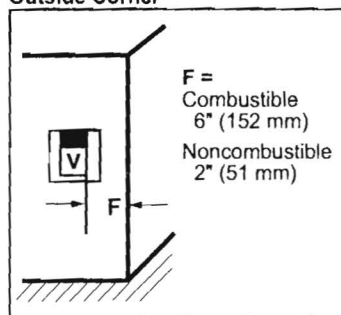
## Termination Clearances

Termination clearances for buildings with combustible and noncombustible exteriors.

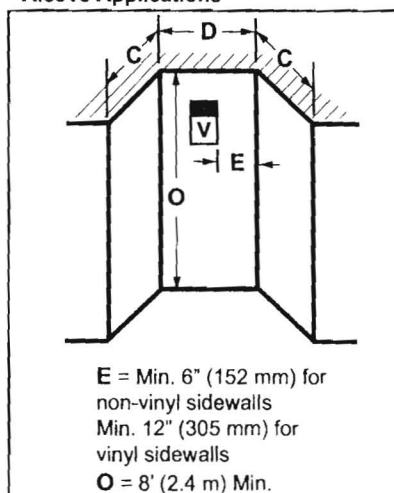
### Inside Corner



### Outside Corner

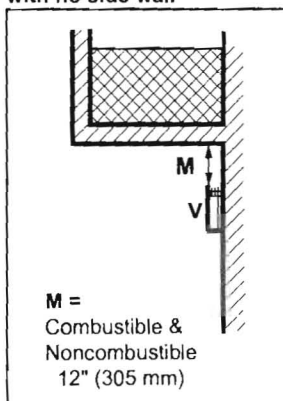


### Alcove Applications\*

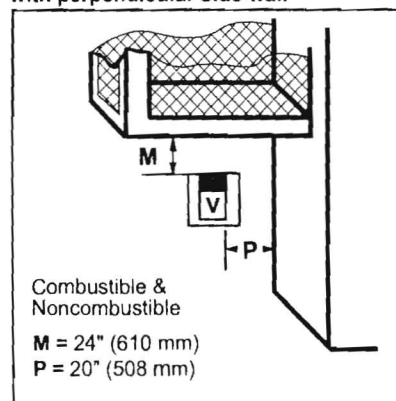


E = Min. 6" (152 mm) for non-vinyl sidewalls  
Min. 12" (305 mm) for vinyl sidewalls  
O = 8' (2.4 m) Min.

### Balcony - with no side wall



### Balcony - with perpendicular side wall



No. of Caps	D <sub>Min.</sub>	C <sub>Max.</sub>
1	3' (914 mm)	2 x D <sub>Actual</sub>
2	6' (1.8 m)	1 x D <sub>Actual</sub>
3	9' (2.7 m)	2/3 x D <sub>Actual</sub>
4	12' (3.7 m)	1/2 x D <sub>Actual</sub>

D<sub>Min.</sub> = # of Termination caps x 3

C<sub>Max.</sub> = (2 / # termination caps) x D<sub>Actual</sub>

584-15

**\*NOTE:** Termination in an alcove space (spaces open only on one side and with an overhang) is permitted with the dimensions specified for vinyl or non-vinyl siding and soffits. 1. There must be a 3' (914 mm) minimum between termination caps. 2. All mechanical air intakes within 10' (1 m) of a termination cap must be a minimum of 3' (914 mm) below the termination cap. 3. All gravity air intakes within 3' (914 mm) of a termination cap must be a minimum of 1' (305 mm) below the termination cap.

Figure 11 -  
Termination Clearances

## GENERAL INFORMATION ASSEMBLING VENT PIPES

### USA Installations

The venting system must conform to local codes and/or the current National Fuel Code ANSI Z223.1/NFPA 54.

Only venting components manufactured by MHSC may be used in Direct Vent systems.

### Canadian Installations

The venting system must be installed in accordance with the current CSA-B149.1 installation code.

### Flex Vent Pipes

Before joining the flex vent pipe to the unit, apply a bead of high temperature sealant\* (provided) to the 4" pipe exiting the fireplace. Secure flex vent pipe in place with a hose clamp (provided).

\*Be sure the flex pipe overlaps at least 1" (25 mm) onto the collars of the fireplace and termination. If the termination has an internal bead, be sure to overlap and secure 1" (25 mm) past the bead.

\* Be sure the vent is actually crushed before proceeding. Apply a tug to be sure the vent will not slip off the collars. Repeat process with 7" flex vent pipe. The same procedure must be performed on the vent side.

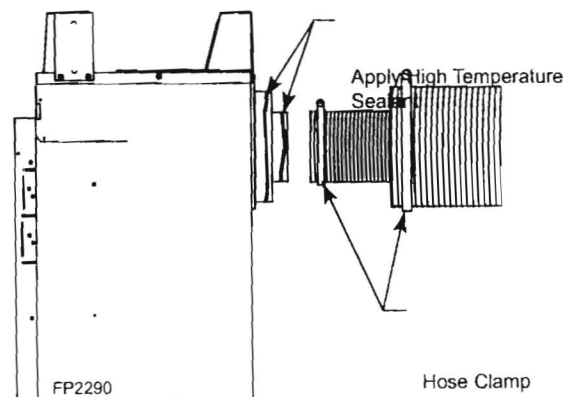


Figure 12 -  
Apply high temperature sealant to 4" and 7" pipes.



**WARNING**

Horizontal sections of this vent system require a minimum of 3" clearances to combustibles at the top of the flue and 1" clearance at the sides and bottom until the flue penetrates the outside wall. A minimum 1" clearance all around the flue is acceptable at this point of penetration. If vertical rise is 7½" feet or higher when top venting, the clearance to combustibles is 1" on all sides of the horizontal run.

Vertical sections of this vent system require a minimum of 1" clearance to combustibles on all sides of the pipe.

**WARNING**

This fireplace must be vented to the outside. The venting system must **NEVER** be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance must use a separate vent system. Do not use common vent systems.

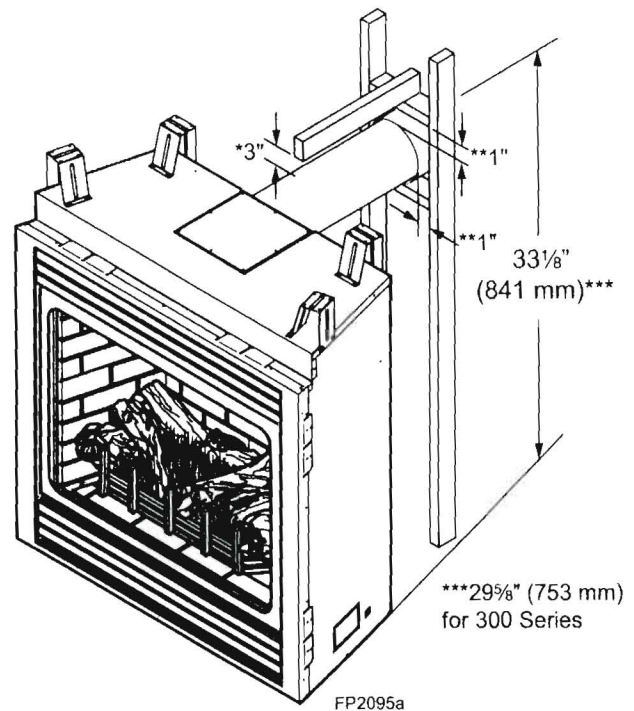
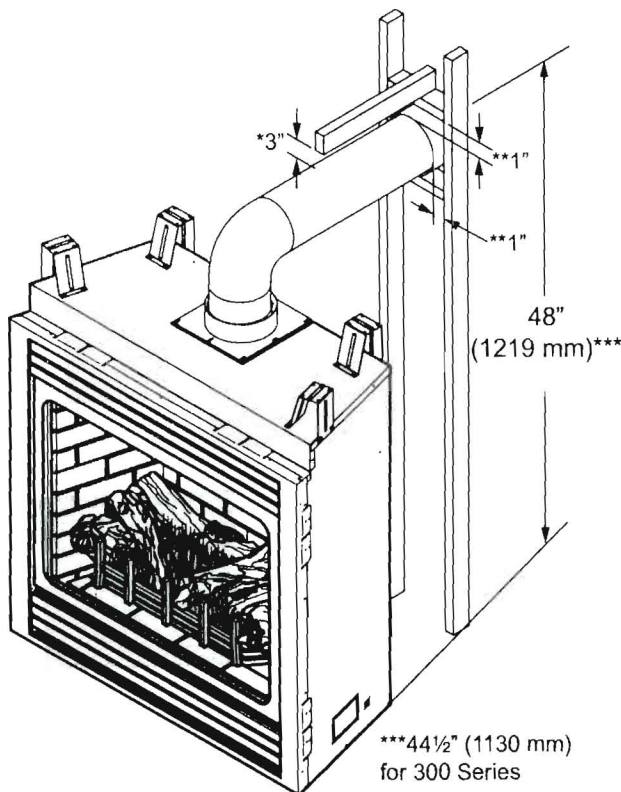


Figure 15 -  
Combustible Clearances for Vent Pipe

\* A Minimum 3" Clearance to the Top is Required Along Horizontal Length until Flue Pipe Penetrates Outside Wall

\*\* A Minimum 1" Clearance to Combustibles Permitted All Around Flue at Outside Wall