CITY OF PORTLAND, MAINE

Department of Building Inspection

Certificate of Occupancy

LOCATION 48 Ninth St **CBL** 339 L003001

Issued to Nappi Margaret L /Michael & Angela Mitton **Date of Issue** 08/23/2006

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 04-0420, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES	APPROVED OCCUPANCY
Entire	single family dwelling use group r-3 type 5b BOCA "99

Limiting Conditions: None

This certificate supersedes certificate issued 12/13/04

Approved:

2/22/10 Jeanie Bourke
(Date) *Inspector*

2/22/10 Jeanie Bourke
Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

TO: Inspections Department

FROM: Jay Reynolds, Development Review Coordinator

DATE: August 23, 2006

RE: C. of O. for #48 Ninth Street
(CBL339L003) (ID 2004-0071)

After visiting the site, I have the following comments:

Site work complete:

At this time, **I recommend issuing a permanent Certificate of Occupancy.**

Cc: Sarah Hopkins, Development Review Services Manager
Mike Nugent, Inspection Services Manager
File: Urban Insight

File: O:\plan\drc\ninth48b.doc

CITY OF PORTLAND, MAINE
Department of Building Inspection

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Limiting Conditions: None

This certificate supersedes certificate issued 12/13/04

Approved:

2/22/10 Jeanie Bourke
(Date) *Inspector*

2/22/10 Jeanie Bourke
Inspector of Buildings

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CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 48 Ninth St **CBL** 339 L003001

Issued to Nappi Ben J &/Michael & Angela Mitton **Date of Issue** 12/13/2004

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 04-0420, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES	APPROVED OCCUPANCY
entire	single family dwelling use group r-3 type 5b BOCA "99

Limiting Conditions:

THIS TEMPORARY CERTIFICATE EXPIRES ON 06/01/2004. All final grading, landscaping and loamung/seeding shall be completed by 06/01/204

This certificate supersedes certificate issued

Approved:

12/14/04 Kevin Pinnell
(Date) *Inspector*

12/14/04
Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
04-1252		339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Builders Insulation	515 Riverside Industrial Parkw Portlan	2078786600
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		HVAC	R-3

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Single Family Home	Single Family Home / Install FMI craftsman Wood Fireplace	$30.00	$1,000.00	5

FIRE DEPT: ☐ Approved ☒ Denied

N/A

Signature:

INSPECTION:
Use Group: R-3/U Type: Heating C

BOCA 1999

Signature:

Proposed Project Description:
Install FMI craftsman Wood Fireplace

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
ldobson	08/25/2004

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☒ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: 9/9/04	Date:	Date: 9/9/04

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

9/15/04 Rec'd ~~In~~ OK - Descriptive Statement
Rec'd & ~~Attached~~ ✓

12/6/04 — ~~In Error~~
~~①~~ - ~~Front Porch~~ Steps Rise 7" & 6" OK 12/9
~~②~~ - ~~Paint to match~~ Stairs - Rise 1/2" Low by OK 12/9
~~③~~ - ~~Garage Door Frame~~ to be checked OK 12/9
(To O/S) ✓
→ ④ - Cellar - No Cont. Ground.
~~⑤ Back Stairs~~ to grade - Risers Exceed 3/8" Max deviation OK 12/9

12/9/04 - Need Elec Continuity ~~Letter~~
& Jay Reynolds Letter ✓

12/13/04 Rec'd Jay R. Letter (~~attached~~)
Ckd Continuity Ground - OK
OK to Issue C/O

TO: Inspections Department

FROM: Jay Reynolds, Development Review Coordinator

DATE: December 9, 2004

RE: C. of O. for #48 Ninth Street
(CBL339L003) (ID 2004-0071)

After visiting the site, I have the following comments:

Site work incomplete:

1. Final Grading
2. Landscaping
3. Loam and Seed

I anticipate this work can be completed by **June 1, 2005**.
At this time, **I recommend issuing a temporary Certificate of Occupancy.**

Cc: Sarah Hopkins, Development Review Services Manager
Mike Nugent, Inspection Services Manager
File: Urban Insight

File: O:\plan\drc\ninth48a.doc

STATE OF MAINE
CHIMNEY OR FIREPLACE DISCLOSURE

Dear Consumer: State law, specifically 32 M.R.S.A., Chapter 33, requires chimney or fireplace installers, as of January 1, 1992, to provide you with this Disclosure prior to the installation work being done on your chimney or fireplace. The purpose of this Disclosure is to help you, as a consumer, make an informed decision as to the abilities of the installer and under what requirements the installation must comply. It is important to note that the State of Maine does not require registration or licensure of chimney or fireplace installers; however, it is just as important to realize that many fires are caused each year by improperly constructed fireplaces and chimneys. For further information about this law, call the Division of Licensing & Registration at 624-8629 or write to the Division at #35 State House Station, Augusta, Maine 04333.

INSTALLER INFORMATION

Name of Installer _____

D.B.A. _____

Name of Installer (if incorporated) Bill Rees

D.B.A. Builders Insulation of Maine

Legal Address 515 Riverside Ind. Pkwy. Portland
(Street and No.) (City or Town)

ME U.S.A 04103
(State) (County) (Zip Code)

Home Telephone / / Business Telephone 207 / 878 / 6600

Years of experience doing fireplace or chimney installations _____.

CONSUMER IDENTIFICATION

Consumer's Name Mike Mitton

Mailing Address P.O. Box 2742 So. Portland
(Street and No.) (City or Town)

Maine U.S.A. 04116
(State) (County) (Zip Code)

Home Telephone Cell / 232 / 1959 Business Telephone / /

Installer, please give a brief description of installation being offered.

Manufactured Wood burning fireplace.

I, Bill Rees, the installer, hereby attest that the preceding information provided is true to the best of my knowledge. I also understand that if I fail to conform with the standards as outlined in NFPA 211 that I shall be subject to penalties as outlined under Title 32, Chapter 33, Oil and Solid Fuel Board.

Signature Bill Rees Date 8/24/04

NFPA 31

INSTALLATION STANDARDS

Please check the type of unit(s) that will be installed:

☑ Factory-Built Chimney and Chimney Units.

Factory-built chimney and chimney units shall be listed and shall be installed in accordance with the temperature conditions of the listing and the manufacturer's instructions and all requirements of NFPA 221 for chimneys, fireplaces, vents and solid fuel appliances.

☐ Masonry Chimney.

Masonry chimneys shall be designed, anchored, supported and re-enforced as required by NFPA 211 for chimneys, fireplaces, vents and solid fuel appliances.

☑ Metal Chimney.

Metal chimneys shall be constructed in accordance with NFPA 211, and shall apply good engineering practices as necessary for:

1. Strength to resist stress
2. Adequate anchoring and bracing
3. Durability
4. Security against leakage
5. Allowances for thermal expansion

☑ Factory Built Fireplace.

Factory built fireplaces shall be listed and shall be installed in accordance with the terms of its listing and all applicable sections of NFPA 211.

☐ Masonry Fireplace.

Masonry fireplaces shall meet the requirements of NFPA 211, Chapter 7 and all other pertinent sections.

☐ Other

Please list on separate sheet of paper if making repairs of pre-existing chimneys, such as repair or replacement of chimney liners, etc.

CONSUMER CHECKLIST

1. Have you asked for references to be provided by the installer? ✓
2. Is the installer familiar with the NFPA 211 codes and does the installer carry a code book? ✓
3. If the installation is a pre-fabricated or fireplace, is its manufacturer registered with the Maine Oil & Solid Fuel Bd.
4. Does the installer provide any type of written guarantee for the product installation being proposed?
5. Has the installer provided you with a written contract? 10 M.R.S.A. Chapter 219-A requires written contracts for any home remodeling or construction with an estimated cost in excess of $1,400.
6. Have you asked the local fire department or code enforcement officials to inspect the installation during and after completion?

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 339 L 003 Use of Building Single Family Home Date 8-24-07

Name and address of owner of appliance Mike Mitton 169 Broadway Portland ME

Installer's name and address TM Builders Insulation 575 Riverside Ind P Portland, ME 04103 Telephone 878-6600

Location of appliance:

- ☐ Basement
- ☑ Floor
- ☐ Attic
- ☐ Roof

Type of Fuel:

- ☐ Gas
- ☐ Oil
- ☑ Solid Wood

Appliance Name: FMI Craftsman Wood Fireplace

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 # _____
- ☐ Other _____

Type of Chimney:

- ☐ Masonry Lined
  Factory built _____
- ☑ Metal no draft inducer or fan.
  Factory Built U.L. Listing # _____
- ☐ Direct Vent
  Type _____ UL# _____

Type of Fuel Tank

- ☐ Oil
- ☐ Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ **feet.**

Cost of Work: $ 4,000

Permit Fee: $ 30.00 /M

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

☐ See attached letter or requirement

_____ Inspector's Signature

_____ Date Approved

Signature of Installer Bill Rees

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
04-1252	08/25/2004	339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Builders Insulation	515 Riverside Industrial Parkw Portlan	(207) 878-6600
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
Single Family Home / Install FMI craftsman Wood Fireplace	Install FMI craftsman Wood Fireplace

Dept: Zoning **Status:** Approved **Reviewer:** Tammy Munson **Approval Date:** 09/09/2004

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 09/09/2004

Note: **Ok to Issue:** ☑

1) Installation must be done per manufacturers specifications.

Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

B[illegible]CTION

PERMIT

Please Read Application And Notes, If Any, Attached

Permit Number: 041252

This is to certify that Nappi Ben J &/Builders Insu[illegible]on

has permission to Install FMI craftsman Wood [illegible]eplace

AT 169 Broadway [illegible] 339 L003001 CITY OF PO[illegible]ND

provided that the person or persons, firm or [illegible]ation accepting this permit shall comply with all of the provisions of the Statutes of M[illegible]ine and of th[illegible]ances of the City of Portland regulating the construction, maintenance and u[illegible] of buildings and st[illegible]ctures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

N[illegible]fication[illegible] inspec[illegible]n must g[illegible]n and w[illegible]n permis[illegible]n procu b[illegible]re this [illegible]ding or [illegible]t thereo la[illegible]ed or c[illegible]losed-in. H[illegible]R NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____

Health Dept. _____

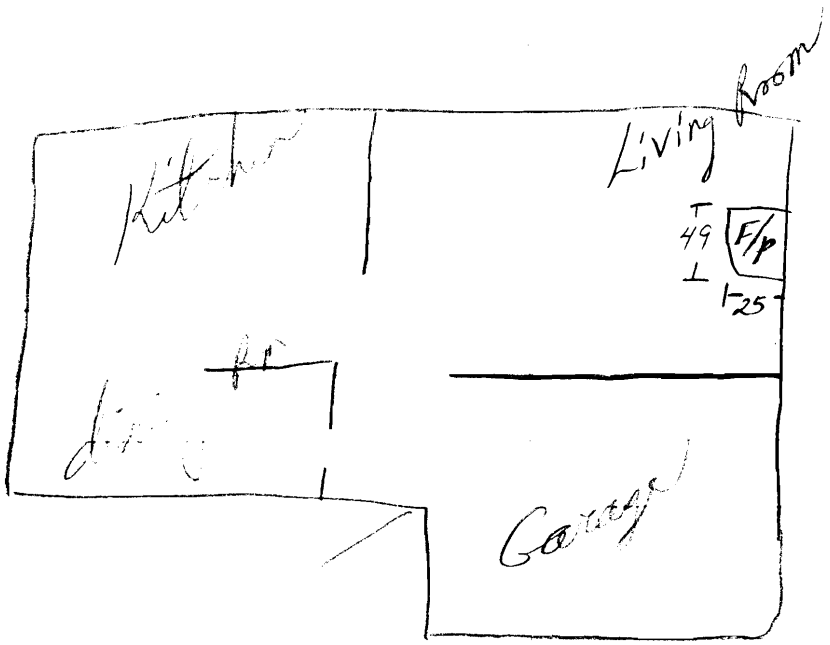
Appeal Board _____

Other _____
Department Name

9/9/04

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD



opening width = 49
" Hgt. = 44½
depth To Wall = 25"

manufactured metal pipe
clearance = 2" to combustible

Mike Mitton
C-232-1759

169 Broadway CBL 339L003001

DESA

(V)C42 42" smooth face
(V)C42I 42" smooth face with insulation
(V)C42H 42" smooth face with insulation & Herringbone refractory
(V)C42L, CWC42C 42" circulating
(V)C42LI 42" circulating with insulation
(V)C42LH 42" circulating with insulation & Herringbone refractory

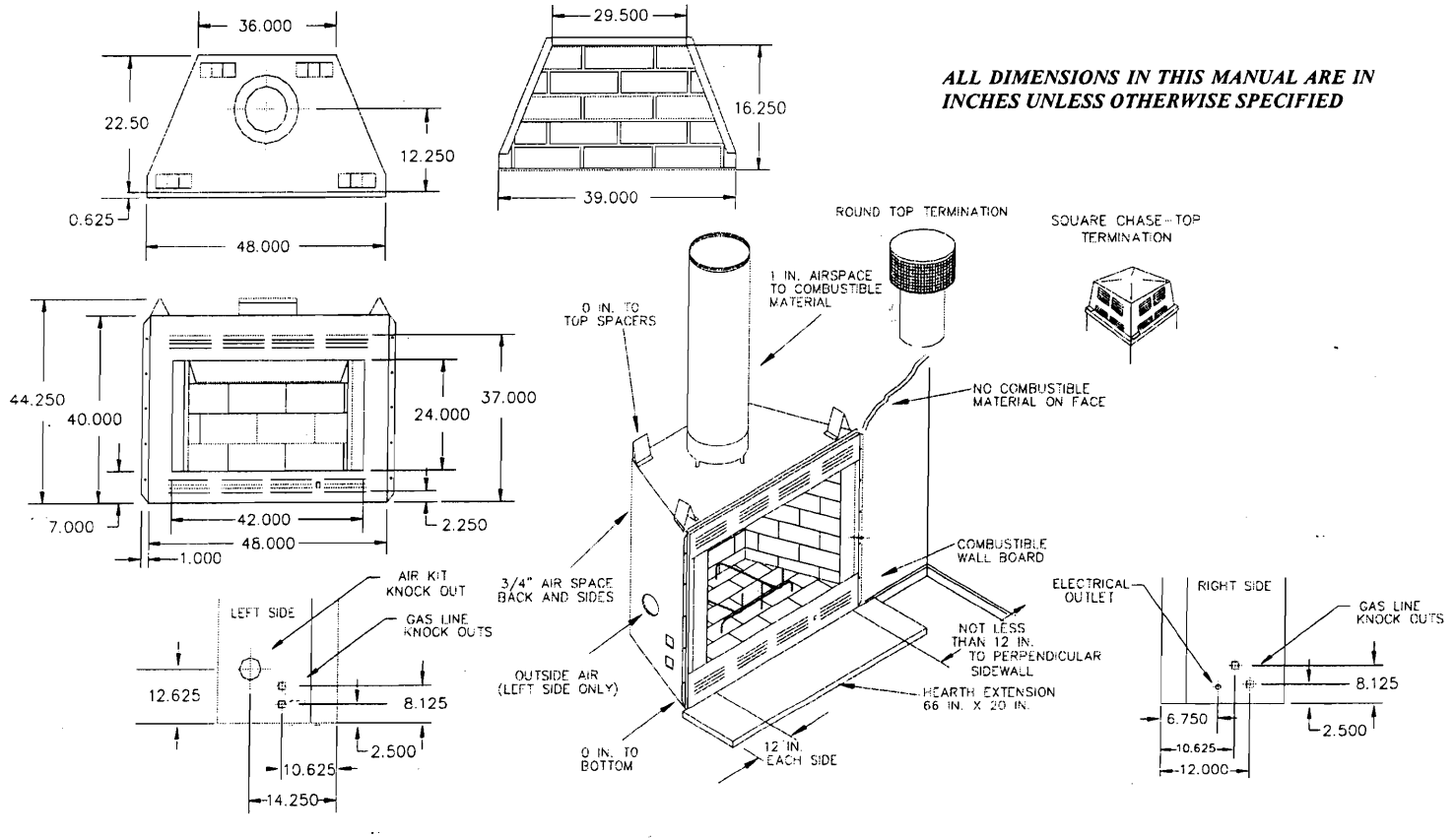
INSTALLATION INSTRUCTIONS

SAVE THIS BOOK

This book is valuable. In addition to instructing you on how to install and maintain your appliance, it also contains information that will enable you to obtain replacement parts or accessory items when needed. Keep it with your other important papers.

This fireplace is approved for use as a wood burning fireplace or for use with a vented gas log approved to ANS Z21.60, Z21.84 or RGA 2-72 standards or for use with a vent-free gas log heater approved to ANS Z21.11.2 standard. A DESA hood must be installed when using a vent-free gas log heater (see Accessories, p. 12).

▲ WARNING: Always leave glass doors fully opened or fully closed when operating this fireplace.



DESA
2701 INDUSTRIAL DRIVE
P.O. BOX 90024
BOWLING GREEN, KY 42101-9004
www.desatech.com

WARNOCK HERSEY LISTED

P/N 107826-01
REV G
5/04

CONTENTS

FOR YOUR SAFETY

- Do not store or use gasoline or any other flammable vapors or liquids in the vicinity of this or any other appliance.
- Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- Do not place clothing or other flammable materials on or near the appliance.
- NEVER leave children unattended when a fire is burning in the fireplace.

▲ **WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause injury, property damage, or loss of life. Refer to this manual for assistance or additional information. Consult a qualified installer or local distributor.

CHECK LOCAL CODES BEFORE INSTALLING THIS FIREPLACE.

INTRODUCTION

BEFORE BEGINNING THE INSTALLATION OF THE FIREPLACE, READ THESE INSTRUCTIONS THROUGH, COMPLETELY.

- This DESA fireplace and its components are safe when installed according to this installation manual. Unless you use DESA components, which has been designed and tested for the fireplace system, you may cause a fire hazard.
- The DESA warranty will be voided by and DESA disclaims any responsibility for the following actions:
  a) Modification of the fireplace, components, doors, blower, fans, air inlet system and damper control.
  b) Use of any component part not manufactured or approved by DESA in combination with a DESA fireplace system.

PROPER INSTALLATION is the most important step in ensuring safe and continuous operation of the fireplace. Consult the local building codes as to the particular requirements concerned with the installation of all factory built fireplaces. Although grounding may not be required by code the manufacturer recommends it.

▲ **WARNING:** Do not install a fireplace insert in this box unless the manufacturers instructions with the insert specifically state this fireplace has been tested for use with the insert.

USE SOLID WOOD OR PROCESSED SOLID FUEL FIRELOGS ONLY.

▲ **WARNING:** When processed wood fuel fire logs are used, do not poke or stir the logs while they are burning. Use only fire logs that have been evaluated for the application in fireplace and refer to fire log warnings and caution markings on packaging prior to use.

This fireplace is not intended to be used as a substitute for a furnace to heat an entire home. Use for supplemental heat only.

This wood burning fireplace complies with **UL 127-CAN/ULS-S610-M87** standard as a FACTORY BUILT FIREPLACE.

FOR CANADA: The authority having jurisdiction (such as the municipal building department, fire department, etc.) should be contacted before installation to determine the need to obtain a permit.

SELECTING LOCATION

To determine the safest and most efficient location for the fireplace, you must take into consideration the following guidelines:

1.) The location must allow for proper clearances (see figures 1 & 2).
2.) Consider a location were the fireplace would not be affected by drafts, air conditioning ducts, windows or doors.
3.) A location that avoids the cutting of joists or roof rafters will make installation easier.
4.) An outside air kit is available with this fireplace. For more details refer to section on outside air kit installation on page 3.

MINIMUM CLEARANCES TO COMBUSTIBLES

- Back and side of fireplace ---------- ¾" minimum

Note: The ¾" clearance is not required at the nailing flanges

- Floor* ---------- 0" minimum

*See step 2 of "Installing the Fireplace" on page 3

- Perpendicular Wall to Opening of unit - 12" minimum
- Top Spacers ---------- 0" minimum
- Mantel Clearances ---------- see page 8 "Mantels"
- Chimney Outer Pipe Surfaces --------- 1" minimum

▲ **WARNING:** Do not pack required air spaces with insulation or other materials.

MINIMUM / MAXIMUM CHIMNEY HEIGHT

The minimum height of the chimney, measured from the base of the fireplace to the flue gas outlet of the termination, is 14.5 feet for straight flue or a flue with one elbow set. The maximum distance between elbows is 6 feet. For systems with two elbow sets, the minimum height is 22 feet. The maximum height of any system is 50 feet. This measurement includes the fireplace, chimney sections and the height of the termination assembly at the level of the flue gas outlet (see page 7, figure 15).

FRAMING AND INSTALLING THE FIREPLACE

STEP 1: Frame the opening for the fireplace using the dimensions shown in figures 1 & 2.
STEP 2: If the fireplace is to be installed directly on carpeting, tile (other than ceramic), or any combustible material other than wood flooring, the fireplace must be installed upon a metal or wood panel extending the full width and depth of the fireplace.
STEP 3: Set the fireplace directly in front of this opening and slide the unit back until the nailing flanges touch the side framing.
STEP 4: Check the level of the fireplace and shim with sheet metal if necessary.
STEP 5: Before securing fireplace to prepared framing, the ember protector (provided), must be placed between the hearth extension (not supplied), and under the bottom front edge of the fireplace to protect against glowing embers falling through. If the fireplace is to be installed on a raised platform, a Z-type ember protector (not supplied) must be fabricated to fit your required platform height. The ember protector should extend under the fireplace a minimum of 1 - 1/2". The ember protector should be made of galvanized sheet metal (28-gage minimum) to prevent corrosion.
STEP 6: Using screws or nails, secure the fireplace to the framing through flanges located on the sides of the fireplace.

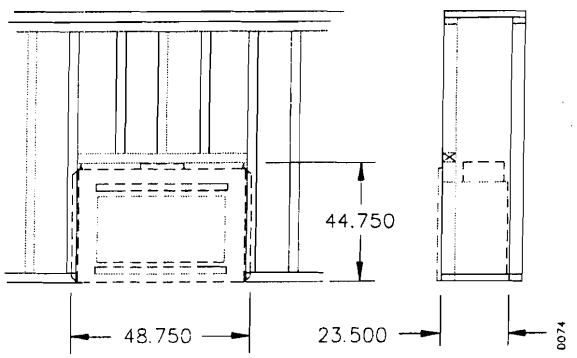


Figure 1 **FRAMING DIMENSION**

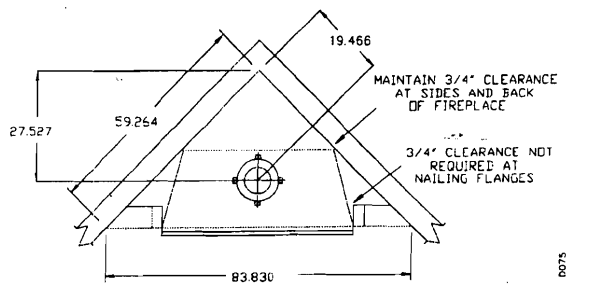


Figure 2 **CORNER INSTALLATION**

HEARTH EXTENSION

A hearth extension projecting a minimum of 20" in front of and a minimum of 12" beyond each side of the fireplace opening is required to protect combustible floor construction in front of the fireplace. Fabricate a hearth extension using a material which meets the following specifications: a layer of non-combustible, inorganic material having a thermal conductivity of K = 0.84 BTU IN/FT. HR. F (or less) at 1" thick. For example, if the material selected has a K factor of 0.25, such as glass fiber, the following formula would apply:

$$\frac{0.25}{0.84} \times 1.0" = 0.30 \text{ thickness required}$$

Thermal conductivity "K" of materials can be obtained from the manufacturer or supplier of the non-combustible material.
If the hearth extension is to be covered, use non-combustible material such as tile, slate, brick, concrete, metal, glass, marble, stone etc. Provide a means to prevent the hearth extension from shifting and seal gap between the fireplace frame and hearth extension with a non-combustible material (see figure 3).

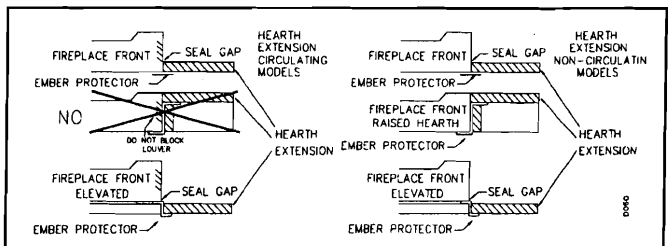


Figure 3 **HEARTH EXTENSION**

▲ **WARNING** Hearth extension is to be installed only as illustrated.

OPTIONAL OUTSIDE AIR KIT (MODEL AK4 / AK4F)

The installation of an outside air kit should be performed during the rough framing of the fireplace due to the nature of its location. Outside combustion air is accessed through a vented crawl space (AK4F) or through a sidewall (AK4). See page 10, figure 23 for instructions on how to operate the air kit.

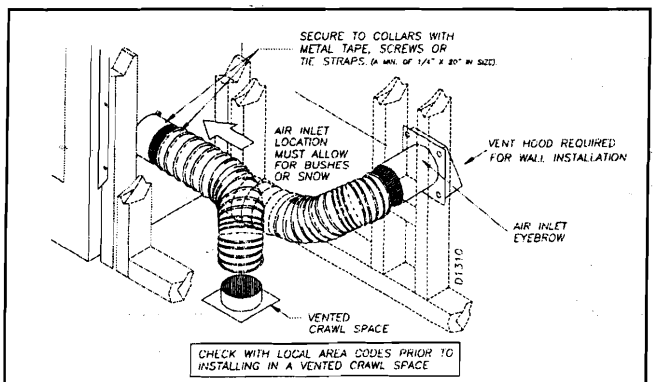


Figure 4 **OUTSIDE AIR KIT**

FAN/BLOWER KIT ASSEMBLY

Fan or blower kit is optional (for circulating models only) with this fireplace. Use of blowers or fans other than manufactured by DESA voids the warranty. Fan is operated by pressing the rocker switch (see figure 5a) in the lower right hand corner of the fireplace face. Blower is operated by turning the control knob (not shown).

Fan/blower kit electrical connections are made through the electrical cover plate on the side of the fireplace as shown in figure 5a.

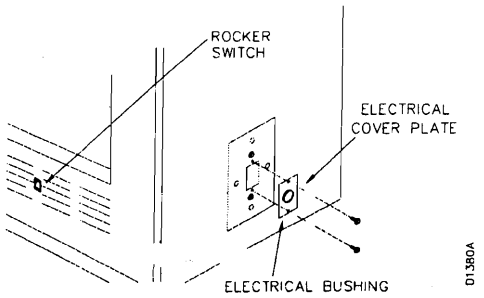


Figure 5a FAN SWITCH-ELECTRICAL BUSHING

WIRING INSTRUCTIONS

i. Remove electrical cover plate (with electrical bushing) from the fireplace by removing the two sheet metal screws as shown in figure 5a.

ii. Slide power source wiring through the electrical bushing opening and electrical cover plate and make all the necessary connections.

iii. Slide all wiring connections in the electrical housing as shown in figure 5b.

iv. Secure the electrical cover plate with screws previously removed.

NOTE: Electrical housing and cover plate have sharp edges, wear protective gloves.

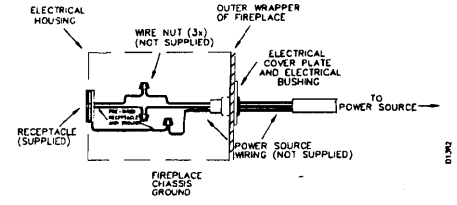


Figure 5b ELECTRICAL HOUSING

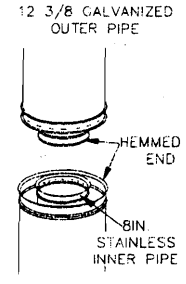
CHIMNEY PIPE

The DESA chimney system consists of 12, 18, 24, 36 and 48 inch, snap-lock double-wall pipe segments, planned for maximum adaptability to individual site requirements. Actual lengths gained after fitting overlaps must be taken into consideration (lineal gain) and are given in the lineal gain chart (see figure 6).

ASSEMBLY AND INSTALLATION OF THE DOUBLE WALL CHIMNEY SYSTEM

Each double wall chimney section is consist of a galvanized outer pipe, a stainless steel inner flue pipe and a wire spacer. The pipe sections must be assembled independently as the chimney is installed. When connecting chimney directly to the fireplace, the inner flue pipe section must be installed first with the lanced side up. The outer pipe section can then be installed over the flue pipe section with the hemmed end up. Press down on each pipe section until the lances securely engage the hem on the fireplace starter. The wire will assure the proper spacing between the inner and outer pipe sections.

LINEAL GAIN: THE ACTUAL MEASURABLE LENGTH OF A PART AFTER TWO OR MORE PARTS ARE CONNECTED.



PART NO.	LINEAL GAIN DESCRIPTION	GAIN (IN.)
42"	FIREPLACE	44
12-8DM 12-8HT	PIPE SECTION	10 5/8
18-8DM 18-8HT	PIPE SECTION	16 5/8
24-8DM 24-8HT	PIPE SECTION	23 5/8
36-8DM 36-8HT	PIPE SECTION	34 5/8
48-8DM 48-8HT	PIPE SECTION	46 5/8
RT-8DM	ROUND TERMINATION	6 7/8 *
RTL-8DM	ROUND TERMINATION	7 3/4 *
RTT-8DM	ROUND TERMINATION W/ SLIP SECTION	6-7/8 TO 23-1/8 *
RTTL-8DM	ROUND TERMINATION W/ SLIP SECTION	8-1/2 TO 21-1/2 *
ET-8DM	SQUARE CHASE-TOP	12 *
ETO-8DM	SQUARE CHASE-TOP W/ MESH	12 *
ETL-8DM	SQUARE CHASE-TOP W/ SLIP SECTION	7 TO 15 *
ETLO-8DM	SQUARE CHASE-TOP W/ MESH & SLIP SECTION	12 TO 25-1/2 *

* THE LINEAL GAIN FOR THE TERMINATIONS IS MEASURED TO THE FLUE GAS OUTLET HEIGHT.

D079

Figure 6 LINEAL GAIN

For Canada, use chimney parts designated "HT"

▲ **WARNING**: The opening in the collar around the chimney at the top of the fireplace must not be obstructed. Never use blown insulation to fill the chimney enclosure.

Continue to assemble chimney sections as outlined above, making sure that both the inner and outer pipe sections are locked together. When installing double wall "snap lock" chimney together, it is important to assure the joint between the chimney sections is locked. Check by pulling chimney upward after locking. The chimney will not come apart if properly locked. It is not necessary to add screws to keep the chimney together (exception – see page 5 figure 9).

INSTRUCTIONS WHEN ELBOW OFFSET (30E-8DM) OF CHIMNEY IS NEEDED

1. To achieve desired offset, you may install combinations of 12", 18", 24", 36" and 48" length of double wall pipe (SEE SINGLE OFFSET CHARTAND FIGURE 7).
2. Chimney weight above offset rests on return elbow. Straps must be securely nailed to rafters or joists (see figure 8, details a & b).
3. Maximum length of pipe between supports (return elbow or 12S-8DM) is 6' of angle run. Maximum of two (2) 6' angle run sections per chimney system (see figure 7).

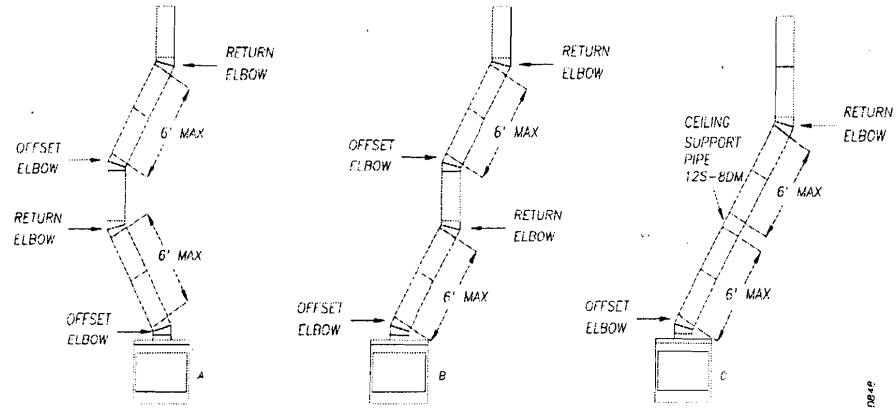


Figure 7 *TYPICAL OFFSET INSTALLATION

*For systems with two elbow sets, the minimum height is 22 feet. The maximum height for any system is 50 feet.

OFFSET CHART (22-50 FT. SYSTEM HEIGHT)

OFFSET	RISE	CHIMNEY LENGTH				
A	B	48"	36"	24"	18"	12"
4 - 3/8	16 -3/8	ELBOW SET ONLY				
9 - 3/4	25 - 1/2					1
12 - 3/4	30 - 3/4				1	
15	34 - 3/4			1		
18	40				1	1
21 - 1/4	46 - 1/4		1			
23 - 3/4	49 - 1/4			1	1	
27 - 3/4	56 - 3/4	1				
30	60 - 3/4		1		1	
33	66	1				1
36	71	1			1	
38 - 1/4	75		2			
41 - 1/4	80 - 1/4		1		1	1
45	86 - 3/4		2			
46 - 3/4	89 - 1/2	1			1	1
51	97	1	1			
53 - 1/4	101		2		1	
56 - 1/4	106 - 1/4	2				
59 - 1/4	111 - 1/2	1	1		1	
61 - 3/4	115 - 1/2	2				1
64 - 3/4	120 - 3/4	2			1	
68 - 1/4	127	1	2			
70	130	2			1	1
74 - 1/4	137 - 1/2	1	2			1
76 - 3/4	141 - 1/2	1	2		1	
79 - 3/4	146 - 3/4		4			

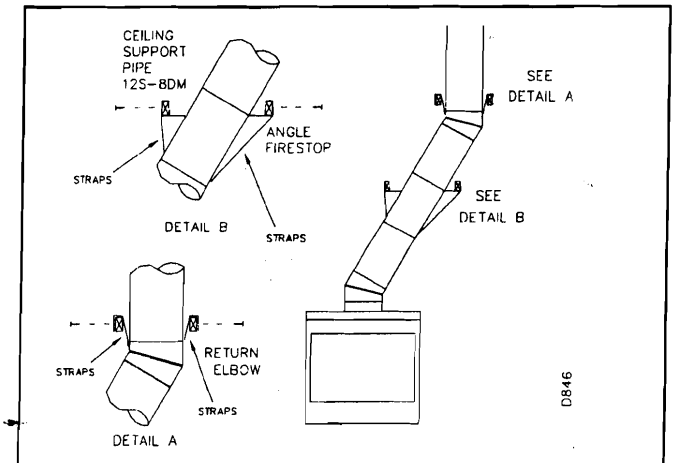
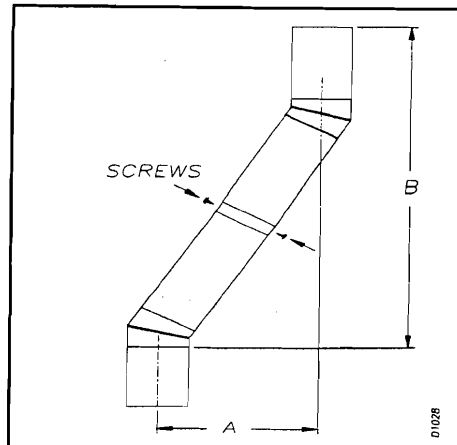


Figure 8 CEILING SUPPORT PIPE



All pipe connections between the offset and return must be secured with two screws, only on the outer pipe, and shall not penetrate the inner stainless.

Figure 9 ELBOW OFFSET

FIRESTOP SPACERS (FS-8DM)

Firestop spacers are required at each point where the chimney penetrates a floor space. Their purpose is to establish and maintain the required clearance between the chimney and the combustible materials. When the pipe passes through a framed opening into a living space above, the firestop must be placed onto the ceiling from below as shown in figure 10.

They also provide complete separation from one floor space to another or attic space as required by most codes. When the double wall pipe passes through a framed opening into an attic space, the firestop must be placed into an attic floor as shown in figure 11.

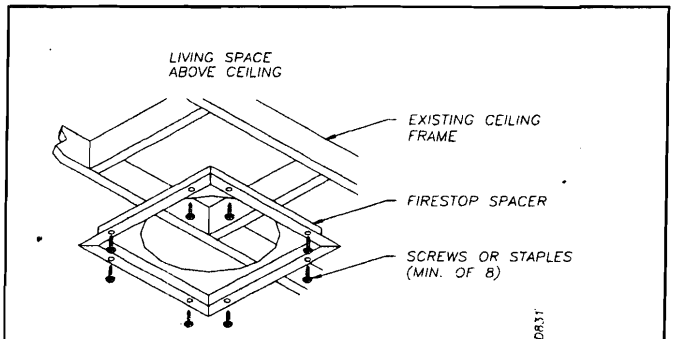


Figure 10 FIRESTOP SPACER

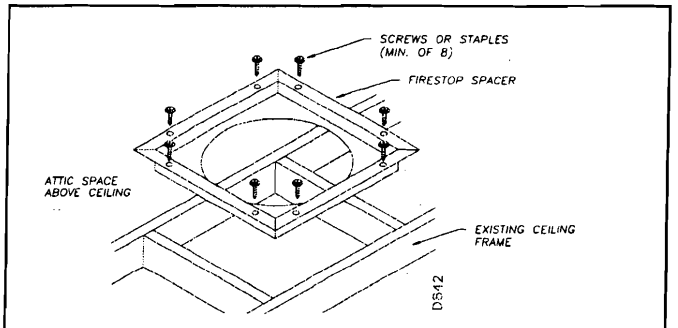


Figure 11 FIRESTOP SPACER

PENETRATING THE ROOF

To maintain a 1-inch clearance to the pipe on a roof with a pitch, a rectangular opening must be cut.

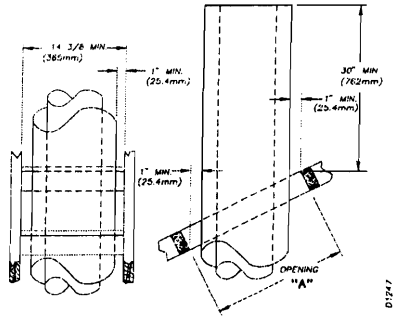
STEP 1: Determine the center point through which the pipe will penetrate the roof.

STEP 2: Determine the center point of the roof. Pitch is the distance the roof drops over a given span, usually 12 inches. A 6/12 pitch means that the roof drops 6 inches for each 12 inches one measure horizontally down from the roof rafters.

STEP 3: Use the roof opening chart (figure 12) to determine the correct opening length and flashing required.

STEP 4: Remove the shingles around the opening measured and cut out this section.

STEP 5: Add the next sections of the pipe until the end penetrates the roofline. Check to see that the proper clearances are maintained. Extend chimney by adding sections of double wall pipe until pipe is a minimum of 30 inches above the highest point of the roof cutout. Termination and chimney must extend a minimum of 36 inches above the highest point where it passes through roof.



PITCH	SLOPE (degrees)	OPENING "A" MAX (inches)	USE FLASHING MODEL NO.
FLAT	0	15	V6F-8DM
0 - 6/12	26.6	16 - 1/8	V6F-8DM
6/12 - 12/12	45.0	20 - 3/8	V12F-8DM

Figure 12 ROOF OPENING CHART

FLASHING INSTALLATION (V6F-8DM or V12F-8DM)

Determine the flashing to be used with the roof opening chart. Slide flashing over pipe until base is flat against roof. Replace as many shingles as needed to cover exposed area and flashing base. Secure in position by nailing through shingles (see figure 13).

DO NOT NAIL THROUGH FLASHING CONE.

INSTALLING FLASHING ON A METAL ROOF

When installing the flashing on a metal roof, it is required that putty tape be used between the flashing and the roof. The flashing must be secured to the roof using #8 x ¾" screws and then sealed with roof coating to prevent leakage through the screw holes. A roof coating must also be applied around the perimeter of the flashing to provide a proper seal.

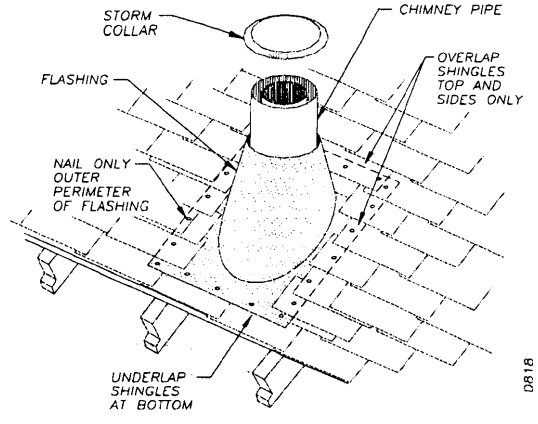


Figure 13 FLASHING INSTALLATION

STORM COLLAR INSTALLATION (SC1 or SC2)

Place storm collar over pipe and slide down until it is snug against the open edge of the flashing (see figure 14). Use SC1 for all round terminations and SC2 for all terminations with slip sections. Apply waterproof caulk around the perimeter of the collar to provide a proper seal.

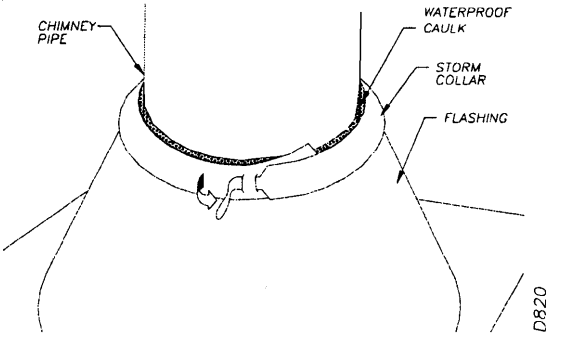


Figure 14 STORM COLLAR

TERMINATIONS / SPARK ARRESTOR

The fireplace system must be terminated with the listed round top or chase terminations. In any case, refer to the installation instructions supplied with the termination. The terminations approved for this fireplace are the RT-8DM and RTL-8DM that can be used for flashing or chase and ET-8DM, ETO-8DM, ETL-8DM and ETLO-8DM for chase style termination only. Figure 15 shows an RTL-8DM round top termination.

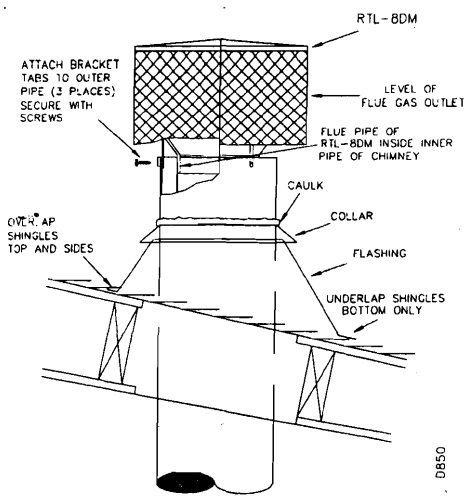


Figure 15 TERMINATION

CAUTION: Do not seal openings on the rooftop flashing. Follow the installation instructions provided with the termination being used.

Terminations with 16" slip pipe sections are available. The RTT-8DM and RTTL-8DM are approved for flashing installations. When needed, these adjustable terminations may be used in combination with the pipe assembly to achieve the correct chimney height.

NOTE: In the rare instance there is a problem with the side driven rain or wind or the chimney is not drafting properly, an ADS-8DM Anti Draft Shield can be used with round terminations.

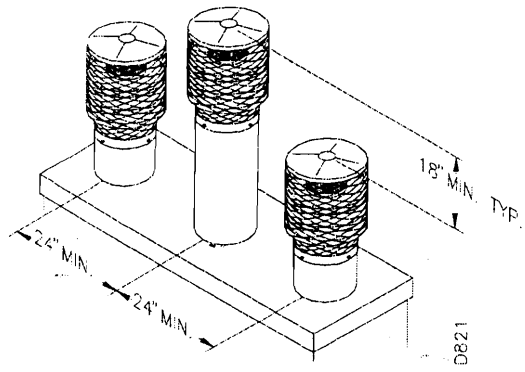


Figure 16 MULTIPLE CHASE INSTALLATION

*NOTE: If a decorative shroud is to be installed, contact the manufacturer for specifications.

CHASE INSTALLATIONS

Instructions for chase installations are included with the chase style termination chosen. In a multiple chase installation, be sure to provide adequate distance between terminations to prevent smoke spillage from one termination to another. We suggest that terminations be separated at least 24 inches, center to center and stacked at vertical height difference of 18 inches (see figure 16).

All flue gas outlet of chimney termination must extend a minimum of 3 feet in height above the highest point where it passes through the roof and must be at least 2 feet above the highest point of the roof that is within a horizontal distance of 10 feet (see figure 17).

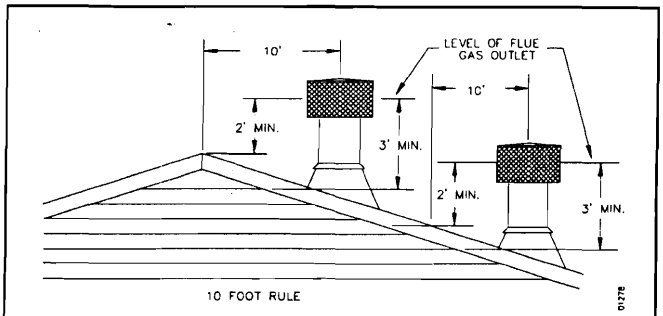


Figure 17 10-FOOT RULE

FINISHING THE FIREPLACE

Combustible materials, such as wallboard, gypsum board, sheet rock, drywall, plywood, etc. may make direct contact with sides and top periphery of the fireplace face. It is important that combustible materials do not overlap the face itself. Brick, glass, tile or other non-combustible materials may overlap the front face provided they do not obstruct essential openings like louvered slots or any other opening. When overlapping with a non-combustible facing material, use only non-combustible mortar or adhesive.

MANTELS

A mantel may be installed if desired (see figures 18 & 18a), Woodwork such as wood trims, mantels, or any other combustible material projecting from the front face must not be placed within 12 inches of the fireplace opening (and within 9 inches of the top louver opening). Combustible materials above 12 inches and projecting more than 1-1/2 inches from the fireplace must not be placed less than 12 inches from the top opening of the fireplace (NFPA STD 211, Sec. 7-3.3.3).

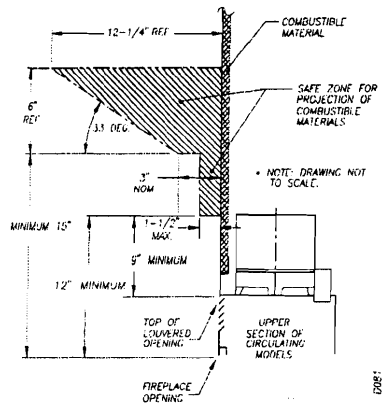


Figure 18 **MANTEL CLEARANCE**

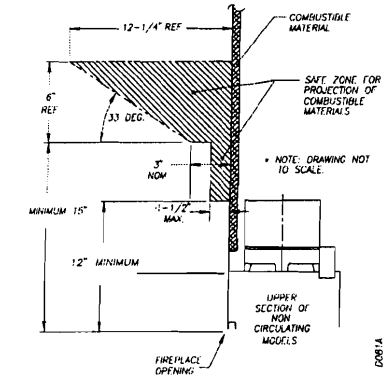


Figure 18a **MANTEL CLEARANCE**

Mantels or any other combustible material also may come up to the side edge of the black metal face of the fireplace just as long as the projection from the front face fall within the limit shown in figure 19.

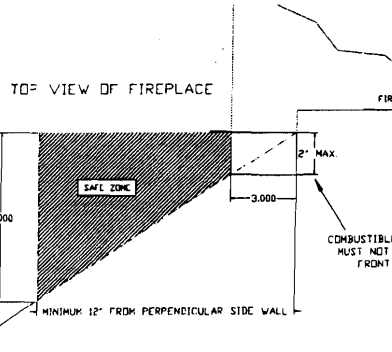


Figure 19 **SIDE CLEARANCE**

OPERATING GUIDELINES AND MAINTENANCE INSTRUCTIONS

GLASS DOORS

Glass doors are optional with the fireplace. When the fireplace is in operation, doors must in FULLY OPENED or FULLY CLOSED position only or a fire hazard may be created (see figure 20).

A fireplace equipped with glass doors operates much differently than a fireplace with an open front. A fireplace with glass doors has a limited amount of air for combustion. Excessive heat within the fireplace can result if too large a fire is built or if the combustion air gate is not completely open. The following tips should be followed to assure that both the fireplace and the glass door retain their beauty and function properly. Both the flue damper and the glass doors must be fully opened before starting the fire. This will provide sufficient combustion air and maintain safe temperatures in the firebox.

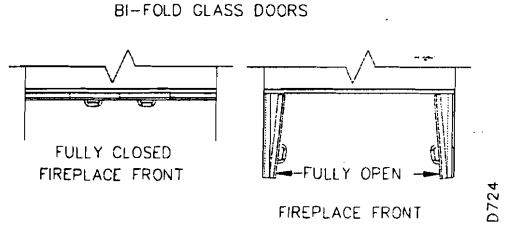


Figure 20 **GLASS DOORS**

IMPORTANT: The glass must be allowed to warm slowly and evenly. The tempered glass will withstand a gradual temperature rise to 550 degrees Fahrenheit, which is more than a normal fire will generate. Such materials as pitch/wax laden logs, very dry mill end lumber, and large amounts of paper or cardboard boxes can create an excessively hot fire and should not be burned in this fireplace. Always keep the fire well back from the doors and never allow flames to contact the glass.

▲ **WARNING**: Fireplaces equipped with glass doors should be operated only with doors fully opened or doors fully closed. Doors, if left partly open, may draw gas and flame out of the fireplace opening creating risks of both fire and smoke.

CLEANING THE GLASS

Clean the glass with any commercial glass cleaner or soap and water. Do not use any abrasive material to clean the glass. Do not clean the glass with any cool water if the glass is still hot from the fire and smoke.

A gas line or gas log lighter may be installed for the purpose of installing a vented or vent-free decorative gas appliance incorporating an automatic shutoff device and complying with the Standard for Decorative Gas Appliances for Installation in Vented Fireplaces, ANSI Z21.60 or American Gas Association draft requirements for Gas-Fired Log Lighters for Wood Burning Fireplaces, Draft No. 4 dated August, 1993.

IF YOU WISH TO INSTALL AN UNVENTED (VENT-FREE) GAS LOG SET, ONLY UNVENTED GAS LOG SETS, WHICH HAVE BEEN FOUND TO COMPLY WITH THE STANDARD FOR UNVENTED ROOM HEATERS, ANSI Z21.11.2, ARE TO BE INSTALLED IN THIS FIREPLACE.

OPTIONAL GAS LINE INSTALLATION

Gas line hook up should be done by your supplier or a qualified service person.
NOTE: Before you proceed, make sure your gas supply is turned off.
Use only a ½ inch black iron pipe and appropriate fittings.
STEP 1: To install, remove the knockout indentation on the refractory, (or firebrick), wall located above the refractory hearth floor. The knockout indentation must be firmly tapped with any solid object until it is released. Remove fragmented portions of refractory (see figure 21).

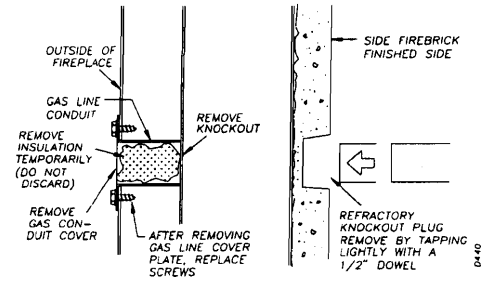


Figure 21 GAS LINE KNOCKOUT

STEP 2: Remove gas line cover plate located on either side of fireplace and pull out insulation from gas line conduit sleeve. Save insulation for reuse.

STEP 3: Run a ½ inch black iron gas line into the fireplace through the rear at gas line conduit sleeve (if using a raised platform, add height). Provide sufficient gas line into fireplace chamber for fitting connection (see figure 22).

NOTE: Secure incoming gas line to wood framing to provide rigidity for threaded end.

STEP 4: Repack insulation around gas line and into sleeve opening. Seal any gaps between gas line and refractory knockout hole with refractory cement or commercial furnace cement. Install the gas appliance or cap-off gas line if desired.

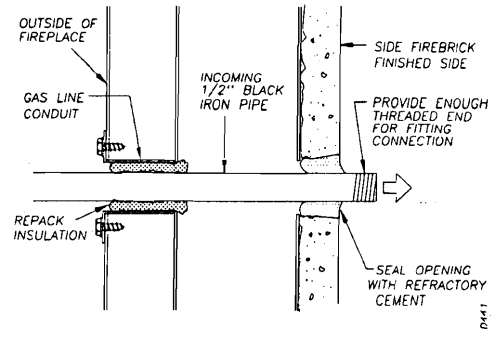


Figure 22 GAS LINE INSTALLATION

CAUTION: All gas piping and connections must be tested for leaks after the installation is completed. After ensuring that the gas valve is on, apply soap and water solution to all connections and joints. Bubbles forming show a leak. Correct all leaks at once. DO NOT USE AN OPEN FLAME FOR LEAK TESTING AND DO NOT OPERATE ANY APPLIANCE IF A LEAK IS DETECTED. LEAK TESTING SHOULD BE DONE BY A QUALIFIED SERVICE PERSON.

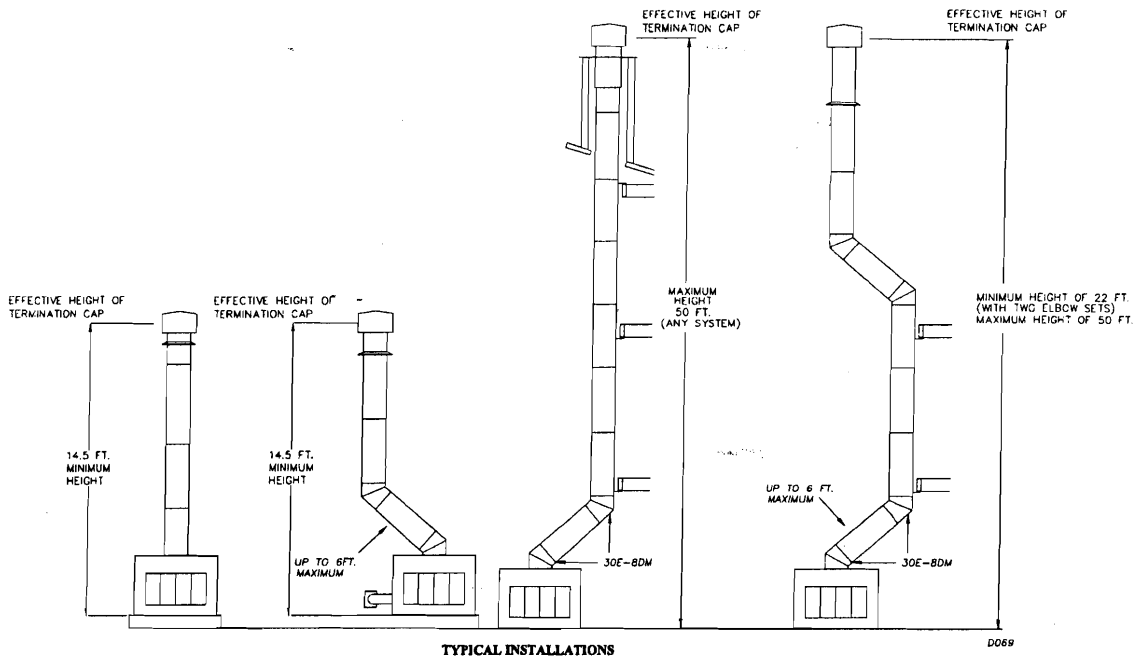
NOTE: A DESA hood must be installed when using an unvented gas log set (see accessories on page 12).

▲ **WARNING**: Do not operate an unvented gas log set in this fireplace with the chimney removed.

If you install a decorative gas appliance (vented gas log), the decorative gas appliance must comply with the **Standard for Decorative Gas Appliance for Installation in Solid Fuel burning Fireplaces, ANS Z21.60, Z21.84 or RGA 2-72,** and shall also be installed in accordance with the **National Fuel Gas Code, ANS Z223.1-NFPA 54 latest edition.**

▲ **WARNING**: If the fireplace has been used for wood burning, the firebox and chimney must be cleaned of soot, creosote and ashes by a qualified chimney cleaner. Creosote will ignite if highly heated.

▲ **WARNING**: When using a decorative vented gas log, the damper must be removed or permanently locked in the fully open position and the glass doors must be in the fully open position.



TYPICAL INSTALLATIONS

OUTSIDE AIR AND DAMPER HANDLE OPERATION

The damper handle, which opens and closes the damper blade, is located in the upper front face of the fireplace. Pushing the handle in to the left of the keyway slot will free the damper blade to automatically open. Pushing the handle in to the right will lock the damper blade closed (see figure 23).

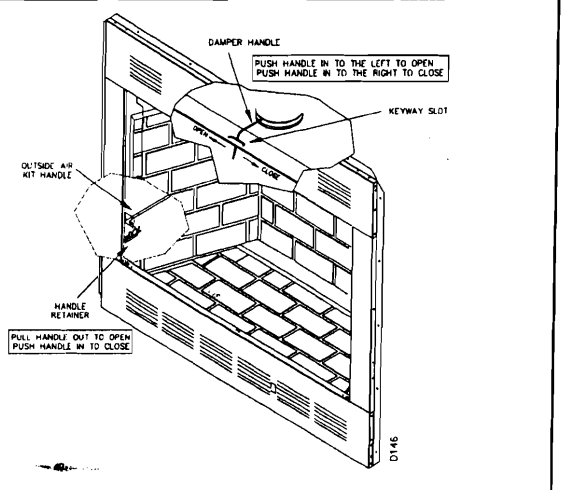


Figure 23 DAMPER AND AIR KIT HANDLE

The outside air kit handle is located at the left hand side of the fireplace (see figure 23). Pulling the handle out will free the outside air door to open. Pushing the handle in will lock the door close.

▲ WARNING: Risk of fire! Replace grate with DESA model 109911-01 grate only. This grate has been designed to keep the operation of your fireplace safe and efficient.

FOR FURTHER OPERATING GUIDELINES, INSTRUCTIONS AND WARRANTY INFORMATION, PLEASE REFER TO YOUR HOMEOWNERS GUIDE OR CONTACT YOUR AUTHORIZED DEALER.

TECHNICAL SERVICE

You may have questions about installation, operations, or troubleshooting. If so, contact the Technical Service Department at 1-866-672-6040. When calling, have the model number of the fireplace ready.

ILLUSTRATED PARTS

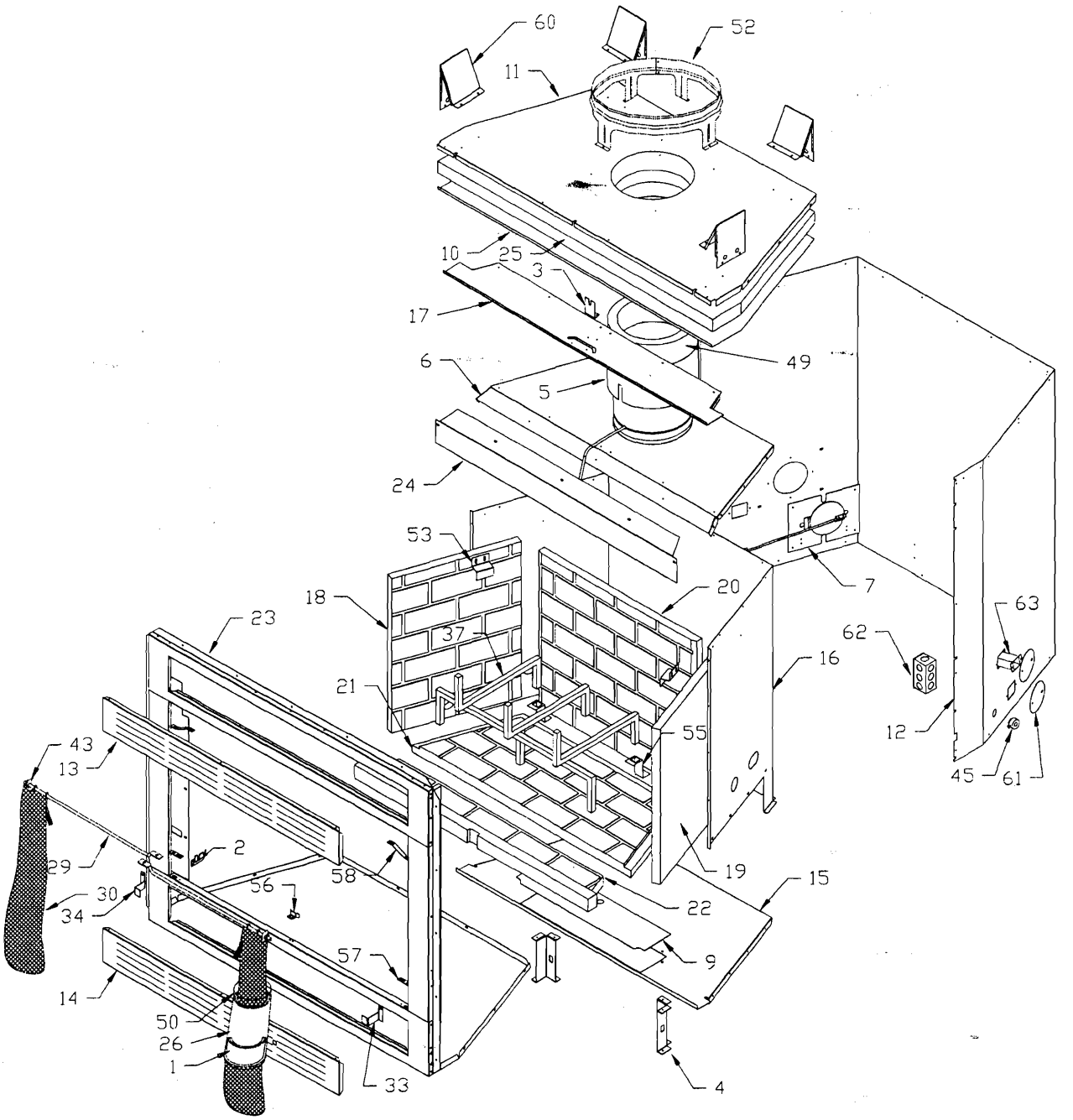
ITEM #	PART #	DESCRIPTION	QTY.
1	106625-01	HOMEOWNER'S GUIDE	1
2	106642-01	RETAINER, AIR ROD	1
3	106643-01	RETAINER, DAMPER ROD	1
4	106683-01	LEG, FIREBOX SUPPORT	2
5	106687-02	COLLAR, DAMPER CAN	1
6	106694-02	FIREBOX TOP ASSY.	1
7	106703-01	DOOR ASSY. AIR KIT	1
***8	107143-01	LABEL, "CAUTION MOVING PARTS'	1
9	107775-01	PANEL, ACCESS	1
10	107797-01	PAN, INSULATION	1
11	107798-01	TOP, FIREPLACE	1
12	107800-01	SURROUND, FIREPLACE	1
13	107805-02	PANEL, CLOSURE TOP LOUVERED	1
**13a	107805-01	PANEL, CLOSURE SMOOTH	1
14	107805-03	PANEL, CLOSURE BTM. LOUVERED	1
**14a	107805-01	PANEL, CLOSURE SMOOTH	1
15	107809-01	BOTTOM, FIREBOX	1
16	107810-01	SURROUND, FIREBOX	1
17	107811-01	SEPARATOR, AIR	1
18	REFRACTORY, LEFT (SEE REPLACEMENT PARTS)		1
19	REFRACTORY, RIGHT (SEE REPLACEMENT PARTS)		1
20	REFRACTORY, REAR (SEE REPLACEMENT PARTS)		1
21	REFRACTORY, BOTTOM REAR (SEE REPLACEMENT PARTS)		1
22	REFRACTORY, BOTTOM FRONT (SEE REPLACEMENT PARTS)		1
23	107822-01	FACE WELDMENT	1
24	107823-01	DEFLECTOR, SMOKE	1
25	107824-01	INSULATION, FIREPLACE TOP	1
26	107826-01	MANUAL, OWNER'S	1
*27	107828-01	CARTON, FULL	1
*28	107829-01	CARTON, TRAY	1
29	107839-01	ROD, SCREEN	2
30	107840-01	SCREEN, 26H x 24.5W	2
*31	54199	LABEL, GAS KNOCK-OUT	2
*32	11164	SCREW, PHILIP #8 x 1/2 OXIDIZED	4

ITEM #	PART #	DESCRIPTION	QTY.
33	107854-01	BRACKET, REFRACTORY RIGHT	1
34	107854-02	BRACKET, REFRACTORY LEFT	1
35	11105	SCREW, HEX #10 x 5/8	100
*36	11125	SCREW, #8 x 1/2	6
37	109911-01	GRATE 36"	1
*38	11148	SCREW, PHILIP #10 x 5/8	14
*39	11165	SCREW, PHILIP #10 x 5/8 OXIDIZED	18
*40	11301	RIVET, 1/8 x 1/8	6
*41	11318	RIVET, 1/8 x 1/4 OXIDIZED	2
*42	11412	PIN, COTTER	2
43	11418	NUT, PUSH-ON	2
***44	11442	PLUG, RECTANGLE	1
45	14123	STRAIN RELIEF	1
*46	15214	LABEL, AIR KIT	1
*47	15244	LABEL, DO NOT BLOCK	1
*48	15246	LABEL, 3/4 AIRSPACE CLEARANCE	1
49	16405	INSULATION, COLLAR	1
50	16502	BAG, POLY	1
*51	16901	STRAPPING, 7/16	12
52	20488	COLLAR, STARTER	1
53	20027	RETAINER, REFRACTORY	2
*54	20042	COVER, AIR KIT	1
55	20046	TIEDOWN, GRATE	2
56	20088	STOP, DOOR	1
57	20089	CLIP, PIVOT	2
58	20090	CLIP, SPRING	2
*59	20093	PROTECTOR, EMBER	2
60	20280	SPACER, TOP	4
61	21171	COVER, GAS KNOCK-OUT	4
62	24353	HANDY BOX ASSEMBLY	1
63	24460	GAS CONDUIT ASSY.	4
*64	27253	LABEL, NOTICE	1
*65	27347	LABEL, ASSEMBLY WARNING	1

***ITEMS NOT SHOWN FOR CLARITY **FOR MODELS (V)C42, (V)C42I, (V)C42H**

*****FOR MODELS (V)C42L, (V)C42LI, (V)C42LH, CWC42C ****FOR MODELS (V)C42H, (V)C42LH**

ILLUSTRATED PARTS

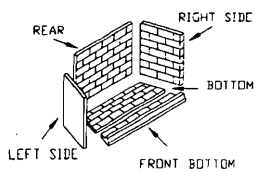


REPLACEMENT PARTS

HERRINGBONE BRICK LINER

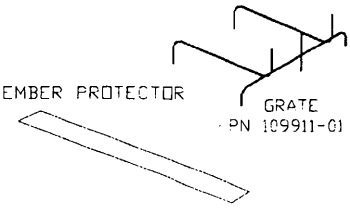
VC42H/VC42LH	C42H/C42LH
LEFT PN 108169-01	LEFT PN 108169-02
RIGHT PN 108170-01	RIGHT PN 108170-02
REAR PN 108171-01	REAR PN 108171-02
BOTTOM REAR PN 108172-01	BOTTOM REAR PN 108172-02
BOTTOM FRONT PN 108173-01	BOTTOM FRONT PN 108173-02

STANDARD BRICK LINER



VC42(I)/VC42L(I) CWC42C	C42(I)/C42L(I)
LEFT PN 107812-01	LEFT PN 107812-02
RIGHT PN 107814-01	RIGHT PN 107814-02
REAR PN 107816-01	REAR PN 107816-02
BOTTOM REAR PN 107818-01	BOTTOM REAR PN 107818-02
BOTTOM FRONT PN 107820-01	BOTTOM FRONT PN 107820-02

EMBER PROTECTOR



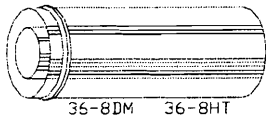
GRATE
PN 109911-01

EP-42

ACCESSORY PARTS

DOUBLE WALL PIPE

12-8DM 12-8HT
18-8DM 18-8HT
24-8DM 24-8HT



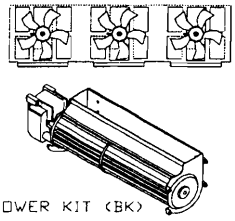
36-8DM 36-8HT
48-8DM 48-8HT

ADJUSTABLE HOOD

REQUIRED WHEN INSTALLING A VENT-FREE GAS LOG IN THIS FIREPLACE

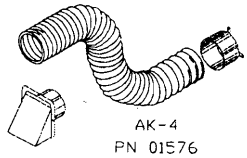
ANTIQUE BRASS FINISH GA6053
POLISHED BRASS FINISH GA6052
BLACK PAINTED FINISH GA6050

FAN KIT (BK3)

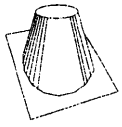


BLOWER KIT (BK)

OPTIONAL OUTSIDE AIR KIT FOR SIDE WALL INSTALLATION



AK-4
PN 01576

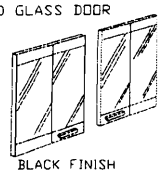


ROOF FLASHING

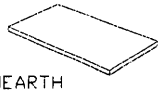
0 TO 6/12 PITCH -- V6F-8DM

6/12 TO 12/12 PITCH -- V12F-8DM

BI-FOLD GLASS DOOR

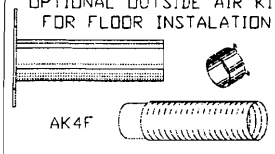


BD42 BLACK FINISH
BD42B BRUSHED BRASS FINISH
BD42P PLATINUM FINISH



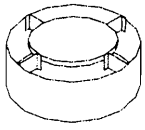
HEARTH EXTENSION HE-42

OPTIONAL OUTSIDE AIR KIT FOR FLOOR INSTALATION



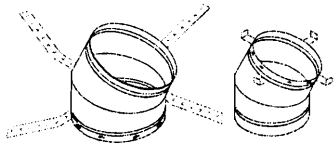
AK4F

ANTI-DRAFT SHIELD (ROUND TOP TERMINATION ONLY)



ADS-8DM

30° OFFSET AND RETURN

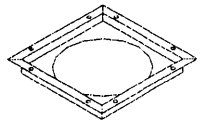


30E-8DM

STORM COLLAR

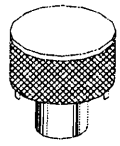
SC1-1
FOR RT-8DM AND RTL-8DM
SC2-1 -- USED FOR
RTT-8DM AND RTTL-8DM

FIRESTOP SPACER



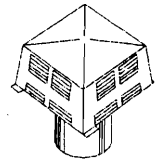
V3600FS-8DM

ROUND TOP TERMINATIONS
RT-8DM
RTL-8DM



ROUND TOP TERMINATIONS WITH SLIP SECTION
RTT-8DM
RTTL-8DM

SQUARE CHASE-TOP TERMINATION
ET-8DM
ETO-8DM



ECONO-TOP TERMINATION WITH SLIP SECTION
ETL-8DM
ETLO-8DM

D144

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
04-1262	SEP 16	339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Brian Norton	9 Commercial Street Portland	2077722155
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		HVAC	R-3

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Single Family Home	Single Family Home /install Heat N Glo 600 Trxi -1PL in Master Bedroom	$39.00	$2,000.00	5

FIRE DEPT: ☐ Approved ☐ Denied

Signature:

INSPECTION: Use Group: R-3/U Type: Heating

Signature:

Proposed Project Description:
install Heat N Glo 600 Trxi -1PL in Master Bedroom

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
ldobson	08/25/2004

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☐ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: 9/9/04	Date:	Date: 9/9/04

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

04-1262

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT
HEATING OR POWER EQUIPMENT

339 L 003

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 48 9th ST Use of Building RESIDENCE Date 8/24/04

Name and address of owner of appliance MIKE MITTON 48 9th STREET

Installer's name and address BRIAN NORTON. 9 COMMERCIAL ST PORTLAND Telephone 772-2155

Location of appliance:

- ☐ Basement
- ☐ Floor
- ☐ Attic
- ☐ Roof
- ☒ MASTER BEDROOM

Type of Fuel:

- ☒ Gas
- ☐ Oil
- ☐ Solid

Appliance Name: HEAT N GLO 6000TRX1-1PI

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 # PNT3869
- ☐ Other _____

Type of Chimney:

- ☐ Masonry Lined
  Factory built _____
- ☐ Metal
  Factory Built U.L. Listing # _____
- ☒ Direct Vent
  Type HEAT + GLO PIPE UL# _____
  FLASHED THROUGH ROOF

Type of Fuel Tank

- ☐ Oil
- ☒ Gas NG

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ **feet.**

Cost of Work: $ 2000.00

Permit Fee: $ 39.00

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

☐ See attached letter or requirement

_____ Inspector's Signature _____ Date Approved

Signature of Installer Brian Norton

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
04-1262	08/25/2004	339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Brian Norton	9 Commercial Street Portland	(207) 772-2155
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
Single Family Home /install Heat N Glo 600 Trxi -1PL in Master Bedroom	install Heat N Glo 600 Trxi -1PL in Master Bedroom

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 09/09/2004

Note: **Ok to Issue:** ☑

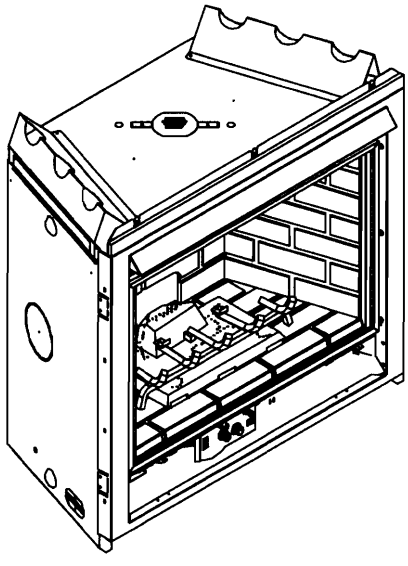
Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 09/09/2004

Note: **Ok to Issue:** ☑

1) The installation must comply with the manufacturers specs.

HEAT-N-GLO
No one builds a better fire

Model:
6000TRXI-IPI



Installers Guide

GAS-FIRED
c UL us
LISTED
Underwriters
Laboratories Listed

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.

READ THIS MANUAL BEFORE INSTALLING OR OPERATING THIS APPLIANCE. THIS *INSTALLERS GUIDE* MUST BE LEFT WITH APPLIANCE FOR FUTURE REFERENCE.

WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE 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.

1. This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes.
2. 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.

Heat-N-Glo, a brand of Hearth & Home Technologies Inc.
20802 Kensington Boulevard, Lakeville, MN 55044

Please contact your Heat-N-Glo dealer with any questions or concerns. For the number of your nearest Heat-N-Glo dealer, please call 1-888-427-3973.

SAFETY AND WARNING INFORMATION

READ and ***UNDERSTAND*** all instructions carefully before starting the installation. ***FAILURE TO FOLLOW*** these installation instructions may result in a possible fire hazard and will void the warranty.

Prior to the first firing of the fireplace, ***READ*** the Using Your Fireplace section of the *Owners Guide*.

DO NOT USE this appliance if any part has been under water. Immediately ***CALL*** a qualified service technician to inspect the unit and to replace any part of the control system and any gas control which has been under water.

THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

Installation and repair should be ***PERFORMED*** by a qualified service person. The appliance and venting system should be ***INSPECTED*** before initial use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is ***IMPERATIVE*** that the unit's control compartment, burners, and circulating air passageways ***BE KEPT CLEAN*** to provide for adequate combustion and ventilation air.

Always ***KEEP*** the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

NEVER OBSTRUCT the flow of combustion and ventilation air. Keep the front of the appliance ***CLEAR*** of all obstacles and materials for servicing and proper operations.

Due to the high temperature, the appliance should be ***LOCATED*** out of traffic areas and away from furniture and draperies. Clothing or flammable material ***SHOULD NOT BE PLACED*** on or near the appliance.

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 ***CAREFULLY SUPERVISED*** when they are in the same room as the appliance.

These units ***MUST*** use one of the vent systems described in the Installing the Fireplace section of the *Installers Guide*. ***NO OTHER*** vent systems or components ***MAY BE USED.***

This gas fireplace and vent assembly ***MUST*** be vented directly to the outside and ***MUST NEVER*** be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance ***MUST USE*** a separate vent system. Common vent systems are ***PROHIBITED***.

INSPECT the external vent cap on a regular basis to make sure that no debris is interfering with the air flow.

The glass door assembly ***MUST*** be in place and sealed, and the trim door assembly ***MUST*** be in place on the fireplace before the unit can be placed into safe operation.

DO NOT OPERATE this appliance with the glass door removed, cracked, or broken. Replacement of the glass door should be performed by a licensed or qualified service person. ***DO NOT*** strike or slam the glass door.

The glass door assembly ***SHALL ONLY*** be replaced as a complete unit, as supplied by the gas fireplace manufacturer. ***NO SUBSTITUTE*** material may be used.

DO NOT USE abrasive cleaners on the glass door assembly. ***DO NOT ATTEMPT*** to clean the glass door when it is hot.

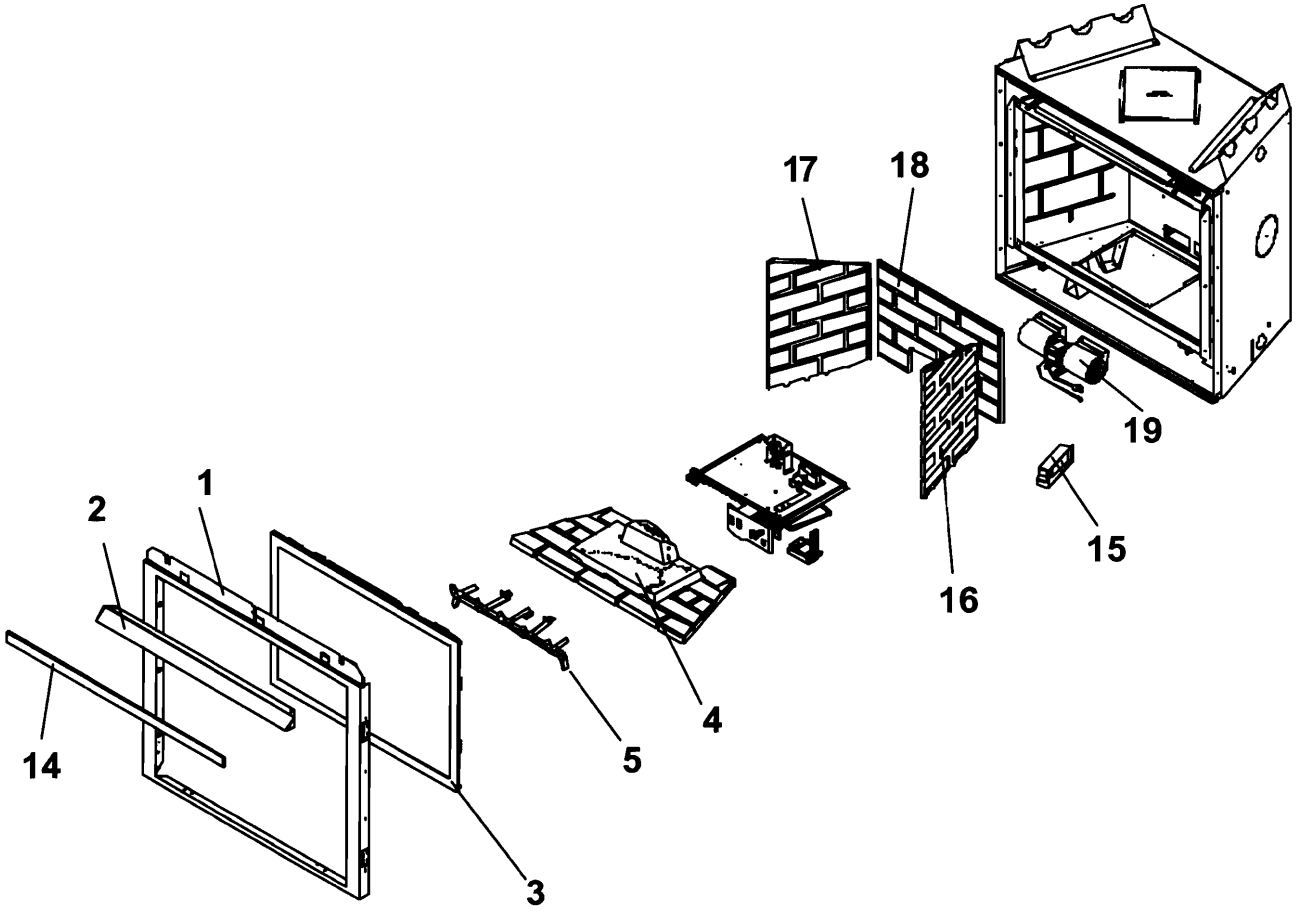
Turn off the gas before servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.

Any safety screen or guard removed for servicing must be replaced before operating this appliance.

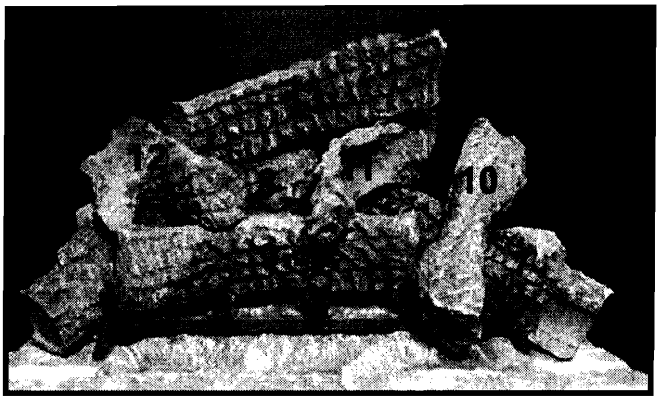
DO NOT place furniture or any other combustible household objects within 36 inches of the fireplace front.

TABLE OF CONTENTS

◆ = Contains updated information.



6 Log set assembly



* Part number list on following page.
* La liste des numéros de pièce se trouve à la page suivante.

Service Parts List / Liste des pièces de rechange 6000TRXI-IPI

IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers VIP site. When ordering, supply serial and model numbers to ensure correct service parts. / **IMPORTANT :** L'information fournie dans cette brochure n'est valide que pendant une courte période. Les sites VIP des distributeurs disposent des renseignements les plus récents. Lors d'une commande, veuillez fournir les numéros de série et de modèles pour un remplacement adéquat des pièces.

ITEM / PIÈCE	DESCRIPTION	SERIAL # / N° DE SÉRIE	PART NUMBER / N° DE PIÈCE
1	Surround / Entourent		2026-108
2	Hood / Hotte		SRV60-143-BK
3	Glass Door Assembly / Porte en verre		GLA-6TRXI
4	Burner NG, LP / Brûleur GN, PL		SRV2027-007A ◆
5	Log Grate / Grille de Bûche		385-360A
6	6TRXI NG Log Set Assembly / Jeu de Bûches GN		LOGS-6TRXI-C
6	6TRXI LP Log Set Assembly / Jeu de Bûches PL		LOGS-6TRXILP-C
7	Log 1 NG / Bûche 1 GN		SRV2027-073
7	Log 1 LP / Bûche 1 PL		SRV2027-074
8	Log 2 NG / Bûche 2 GN		SRV2027-071
8	Log 2 LP / Bûche 2 PL		SRV2027-072
9	Log 3 / Bûche 3		SRV386-714
10	Log 4 / Bûche 4		SRV386-713
11	Log 5 / Bûche 5		SRV386-716
12	Log 6 / Bûche 6		SRV386-715
13	Log 7 / Bûche 7		SRV386-712
14	Insulation Board / Conseil d'Isolation		385-401
15	Junction Box / Boîtier de raccordement		4021-013
16	Wall Refractory Kit - Right Wall		SRV2027-372
17	Wall Refractory Kit - Left Wall		SRV2027-371
18	Wall Refractory Kit - Back Wall		SRV2027-370
	Adjustable Flue Restrictor / Restricteur de conduite de cheminée		2027-102
19	Blower Motor with Magnets / Moteur de Ventilateur(Téléphone) avec Aimants		107-500A
	Temp Sensor / Détecteur de température		107-531
	Thermostat / Thermostat		146-500
	ACCESSORIES / ACCESSOIRES		
	Fan Kit / Module de ventilateur		GFK-160A
	Wall Switch Kit, Off-white / Interrupteur mural, blanc crème		WSK-21
	Wall Switch Kit, White / Interrupteur mural, blanc		WSK-21-W
	Trim Door Mesh / Écran porte de garniture		MESH-6000
	NG Conversion - IPI		NGK-6TRXI-IPI
	LP Conversion - IPI		LPK-6TRXI-IPI
	Wall Refractory Kit		BRICK-6000-FB

HEAT-N-GLO
No one builds a better fire

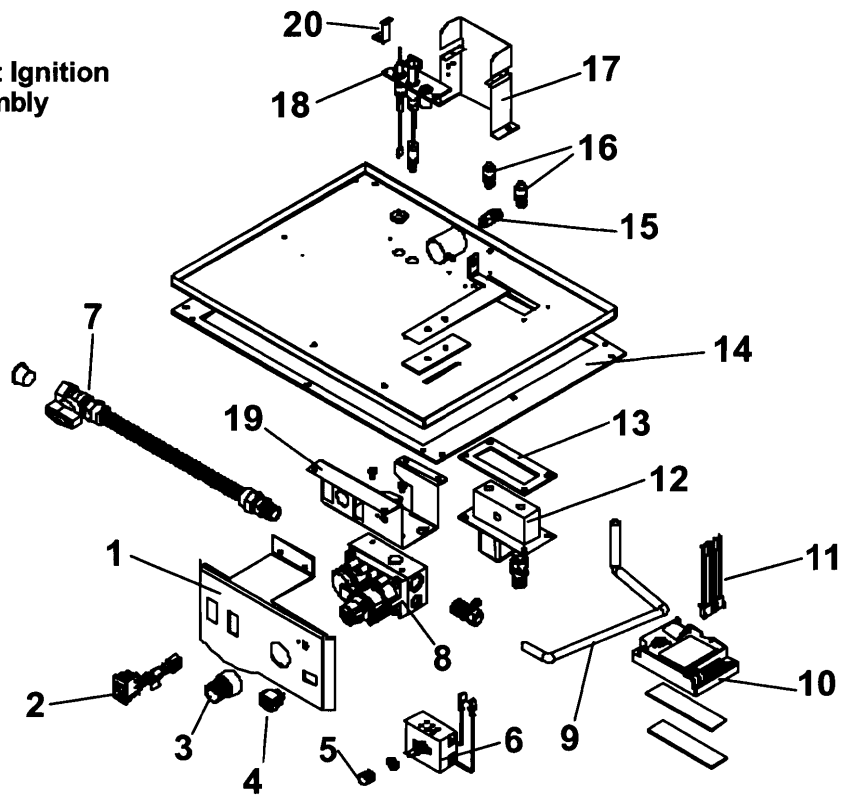
Service Parts

6000TRXI-IPI

(NG, LP) Exploded Parts Diagram
(GN, PL) Vue éclatée des pièces

Beginning Manufacturing Date: 6-03
Ending Manufacturing Date: _____

Intermittent Pilot Ignition Valve Assembly



ITEM / PIÈCE	DESCRIPTION	SERIAL # / N° DE SÉRIE	PART NUMBER / N° DE PIÈCE	
1	Control Panel / Tableau de commande avant		2026-103	
2	ON/OFF Rocker Switch / Interrupteur à bascule MARCHE/ARRÊT		060-521A	
3	Flame Control Knob / Flamber le Bouton de Contrôle		571-531	◆
4	Switch Assembly / Changer l'Assemblée		386-520A	
5	Rheostat Knob / Bouton de Rhéostat		100-512	
6	Rheostat / Rhéostat		100-510A	
7	Flex Ball Valve Assembly / Fléchir l'Assemblée de Soupape de Balle		302-320A	
8	Valve NG / Valve GN		750-500	
8	Valve LP / Valve PL		750-501	
9	Flexible Gas Connector / Tuyau à gaz flexible		477-301A	
10	Module / Module		593-592	
11	Wire Assembly / Module de fil		593-590A	
12	Manifold Assembly / L'Assemblée diverse		386-301A	
13	Manifold Gasket /Joint Diversifié(Varié)		385-410	
14	Valve Plate Gasket / Joint de Plat de Valve		385-402	
15	Orifice Assembly NG (#39C) / Assemblée d'Orifice GN (#39C)		582-839A	
15	Orifice Assembly NG (#55C) / Assemblée d'Orifice GN (#55C)		582-855A	
16	Orifice Assembly LP (#68C) / Assemblée d'Orifice PL (#68C)		582-868A	
16	Orifice Assembly LP (#54C) / Assemblée d'Orifice PL (#54C)		582-854A	
17	Pilot Bracket / Parenthèse Pilote		385-164	
18	Pilot Assembly NG / Module de veilleuse GN		4021-025	
18	Pilot Assembly LP / Module de veilleuse PL		4021-026	
19	Valve Bracket / Parenthèse de Valve		2025-101	
20	Ground Strap / Courroie de Raison(Terre)		2025-512	◆
	Battery Pack / Paquet de Batterie(Pile)		593-594A	
	3 Volt Transformer / 3 Transformateur de Volt		593-593A	

1 Approvals and Codes

Appliance Certification

The Heat-N-Glo fireplace models discussed in this *Installers Guide* have been tested to certification standards and listed by the applicable laboratories.

Certification
MODEL: 6000TRXI-IPI **LABORATORY:** Underwriters Laboratories **TYPE:** Direct Vent Gas Fireplace Heater **STANDARD:** ANSI Z21.88-2000•CSA2.33-M98•UL307B

Installation Codes

The fireplace installation must conform to local codes. Before installing the fireplace, consult the local building code agency to ensure that you are in compliance with all applicable codes, including permits and inspections.

In the absence of local codes, the fireplace installation must conform to the National Fuel Gas Code ANSI Z223.1 (in the United States) or the CAN/CGA-B149 Installation Codes (in Canada). The appliance must be electrically grounded in accordance with local codes or, in the absence of local codes with the National Electric Code ANSI/NFPA No. 70 (in the United States), or to the CSA C22.1 Canadian Electric Code (in Canada).

These models may be installed in a bedroom or bed-sitting room in the U.S.A. and Canada.

High Altitude Installations

U.L. Listed gas appliances are tested and approved without requiring changes for elevations from 0 to 2,000 feet in the U. S. A. and in Canada.

When installing this appliance at an elevation above 2,000 feet, it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input rate should be reduced by 4% for each 1000 feet above a 2000 foot elevation in the U.S.A. or 10% for elevations between 2000 and 4500 feet in Canada. If the heating value of the gas has been reduced, these rules do not apply. To identify the proper orifice size, check with the local gas utility.

If installing this appliance at an elevation above 4,500 feet (in Canada), check with local authorities.

2 Getting Started

Introducing the Heat-N-Glo Gas Fireplaces

Heat-N-Glo direct vent gas fireplaces are designed to operate with all combustion air siphoned from outside of the building and all exhaust gases expelled to the outside.

The information contained in this *Installers Guide*, unless noted otherwise, applies to all models and gas control systems. Gas fireplace diagrams, including the dimensions, are shown in this section.

Pre-install Preparation

This gas fireplace and its components are tested and safe when installed in accordance with this *Installers Guide*. Report to your dealer any parts damaged in shipment, particularly the condition of the glass. **Do not install any unit with damaged, incomplete, or substitute parts.**

The vent system components and trim doors are shipped in separate packages. The gas logs may be packaged separately and must be field installed.

Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit. Failure to follow these instructions will void the owner's warranty and may present a fire hazard.

The Heat-N-Glo Warranty will be voided by, and Heat-N-Glo disclaims any responsibility for, the following actions:

- Installation of any damaged fireplace or vent system component.
- Modification of the fireplace or direct vent system.
- Installation other than as instructed by Heat-N-Glo.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not manufactured and approved by Heat-N-Glo, not withstanding any independent testing laboratory or other party approval of such component part or accessory.

ANY SUCH ACTION MAY POSSIBLY CAUSE A FIRE HAZARD.

When planning a fireplace installation, it's necessary to determine:

- Where the unit is to be installed.
- The vent system configuration to be used.
- Gas supply piping.
- Electrical wiring.
- Framing and finishing details.
- Whether optional accessories—devices such as a fan, wall switch, or remote control—are desired.

If the fireplace is to be installed on carpeting or tile, or on any combustible material other than wood flooring, the fireplace should be installed on a metal or wood panel that extends the full width and depth of the fireplace.

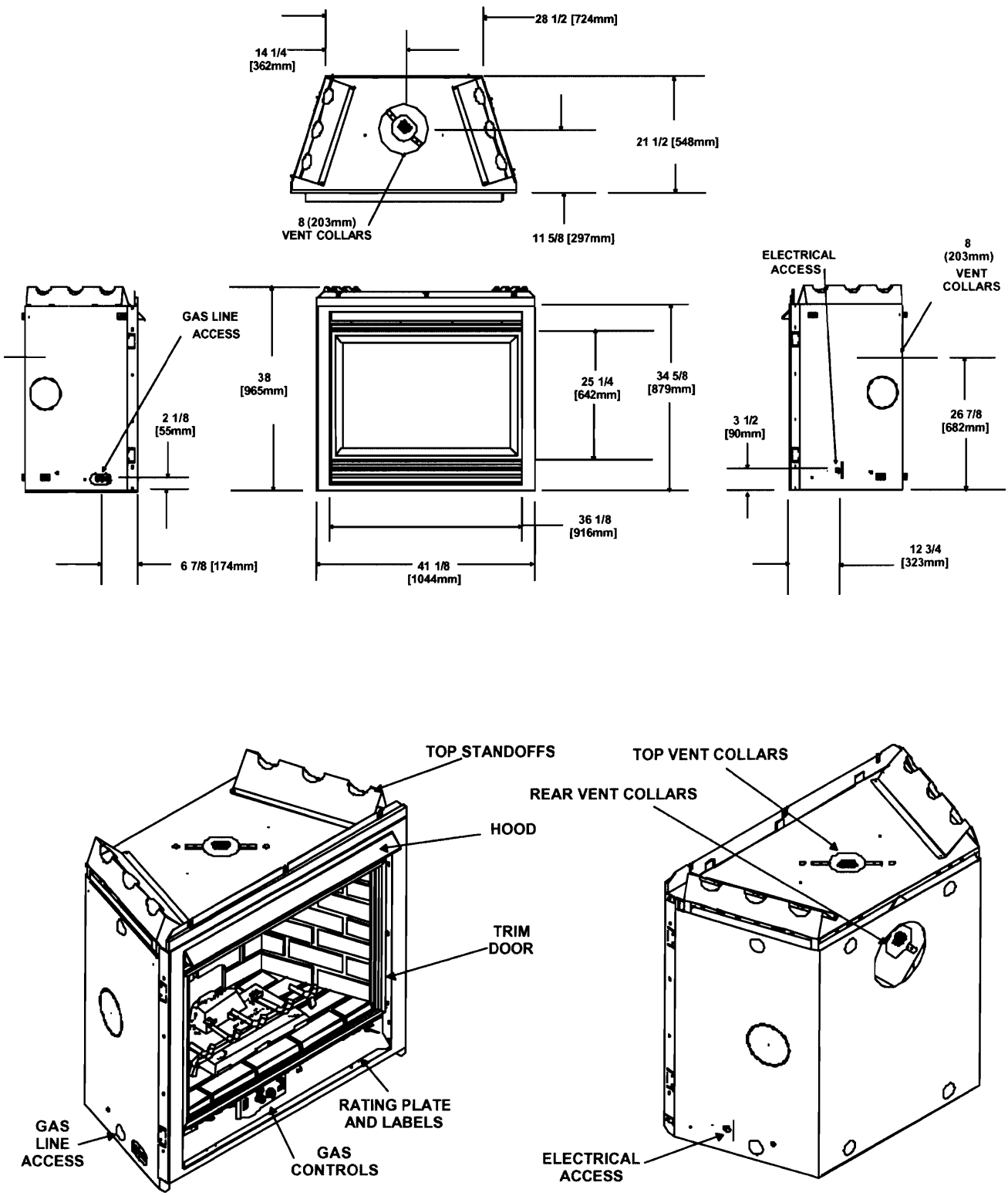


Figure 1. Diagram of the 6000TRXI-IPI

3 Installing the Fireplace

Constructing the Fireplace Chase

A chase is a vertical box-like structure built to enclose the gas fireplace and/or its vent system. Vertical vents that run on the outside of a building may be, but are not required to be, installed inside a chase.

CAUTION: *TREATMENT OF FIRESTOP SPACERS AND CONSTRUCTION OF THE CHASE MAY VARY WITH THE TYPE OF BUILDING. THESE INSTRUCTIONS ARE NOT SUBSTITUTES FOR THE REQUIREMENTS OF LOCAL BUILDING CODES. THEREFORE, YOUR LOCAL BUILDING CODES* ***MUST*** *BE CHECKED TO DETERMINE THE REQUIREMENTS FOR THESE STEPS.*

Factory-built fireplace chases should be constructed in the manner of all outside walls of the home to prevent cold air drafting problems. The chase should not break the outside building envelope in any manner.

This means that the walls, ceiling, base plate and cantilever floor of the chase should be insulated. Vapor and air infiltration barriers should be installed in the chase as per regional codes for the rest of the home. Additionally, Heat-N-Glo recommends that the inside surfaces be sheetrocked and taped for maximum air tightness.

To further prevent drafts, the firestops should be caulked to seal gaps. Gas line holes and other openings should be caulked or stuffed with insulation. If the unit is being installed on a cement slab, we recommend that a layer of plywood be placed underneath to prevent conducting cold up into the room.

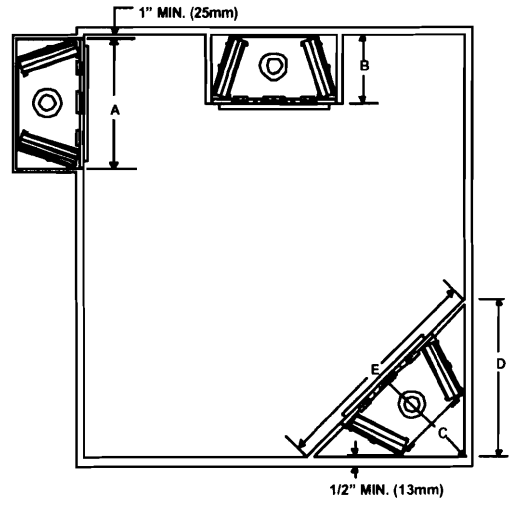
THE CHASE SHOULD BE CONSTRUCTED SO THAT ALL CLEARANCES TO THE FIREPLACE ARE MAINTAINED AS SPECIFIED WITHIN THIS INSTALLERS GUIDE.

Step 1. Locating the Fireplace

The following diagram shows space and clearance requirements for locating a fireplace within a room.

Clearance Requirements

The top, back, and sides of the fireplace are defined by stand-offs. The minimum clearance to a perpendicular wall extending past the face of the fireplace is one inch (25 mm). The back of the fireplace may be recessed 21 1/2 inches (546 mm) into combustible construction.



	A	B	C	D	E
	42"	22"	36"	51"	72"
Note*	42"	22"	40"	57"	80"

*If venting with (2) 90° elbows off rear of unit the dimensions C, D, and E, will change.

Figure 2. Fireplace Dimensions, Locations, and Space Requirements

Minimum Clearances from the Fireplace to Combustible Materials

	Inches	mm
Glass Front	36	914
Floor	0	0
Rear	1/2	13
Sides	1/2	13
Surround Sides*	0	0
Top	3 1/2	89
Ceiling**	31	787

* See Figure 3.

** The clearance to the ceiling is measured from the top of the unit, excluding the standoffs (see Figure 38).

The distance from the unit to combustible construction is to be measured from the unit outer wrap surface to the combustible construction, **NOT** from the screw heads that secure the unit together.

Minimum Clearances from the Vent Pipe to Combustible Materials

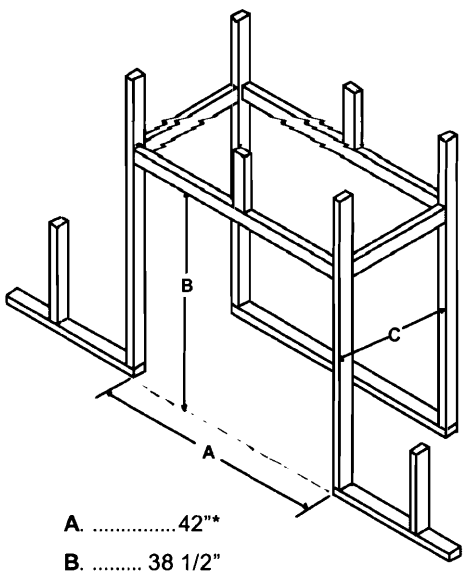
	Inches	mm
Vertical Sections	1	25
Horizontal Sections		
Top	3	75
Bottom	1	25
Sides	1	25
At Wall Firestops		
Top	3	75
Bottom	1	25
Sides	1	25

For minimum clearances, see the direct vent termination clearance diagrams on pages 23 and 24 in this manual.

Step 2. Framing the Fireplace

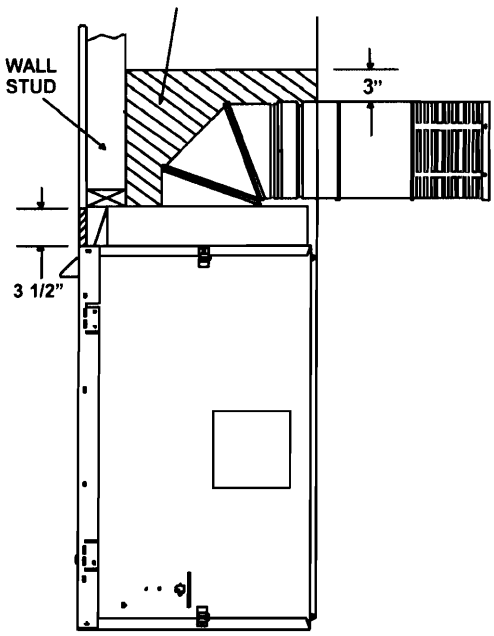
Fireplace framing can be built before or after the fireplace is set in place. Framing should be positioned to accommodate wall coverings and fireplace facing material. The diagram below shows framing reference dimensions.

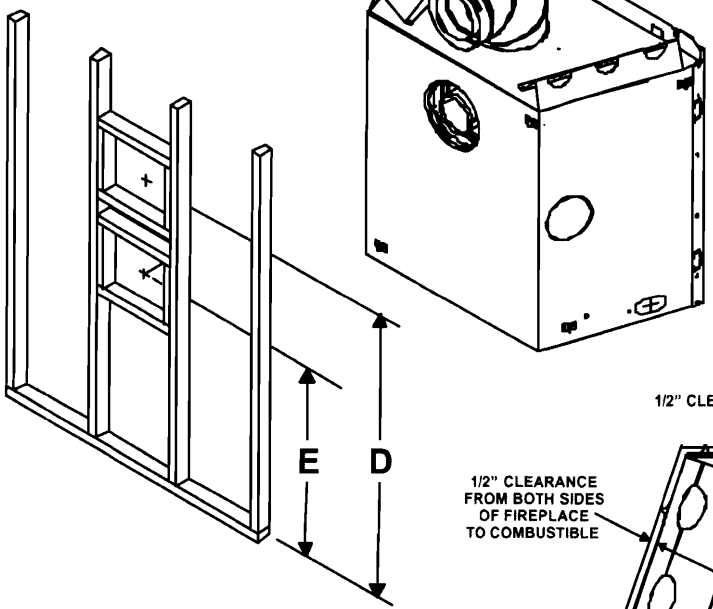
CAUTION: *MEASURE FIREPLACE DIMENSIONS AND VERIFY FRAMING METHODS AND WALL COVERING DETAILS BEFORE FRAMING.*



A. .....42"*
B. ..... 38 1/2"
C. ..... 22"
D. ..... 42 3/4"
E. ..... 27 7/8"

Noncombustible zone is defined by 3" above the elbow for the entire width and depth (behind the front header) of the firebox.





Framing should be constructed of 2 X 4 lumber or heavier.

Shows center of 10" x 12" vent framing holes for top and rear venting. The center of the hole is one (1) inch (25.4mm) above the center of the horizontal vent pipe.

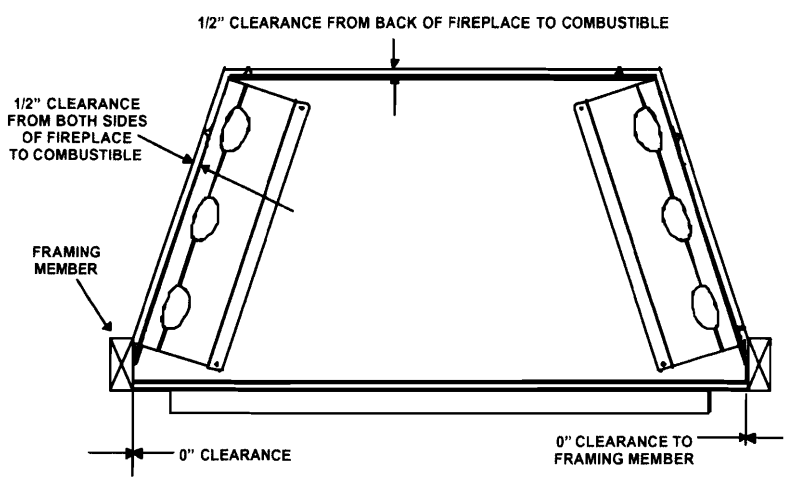
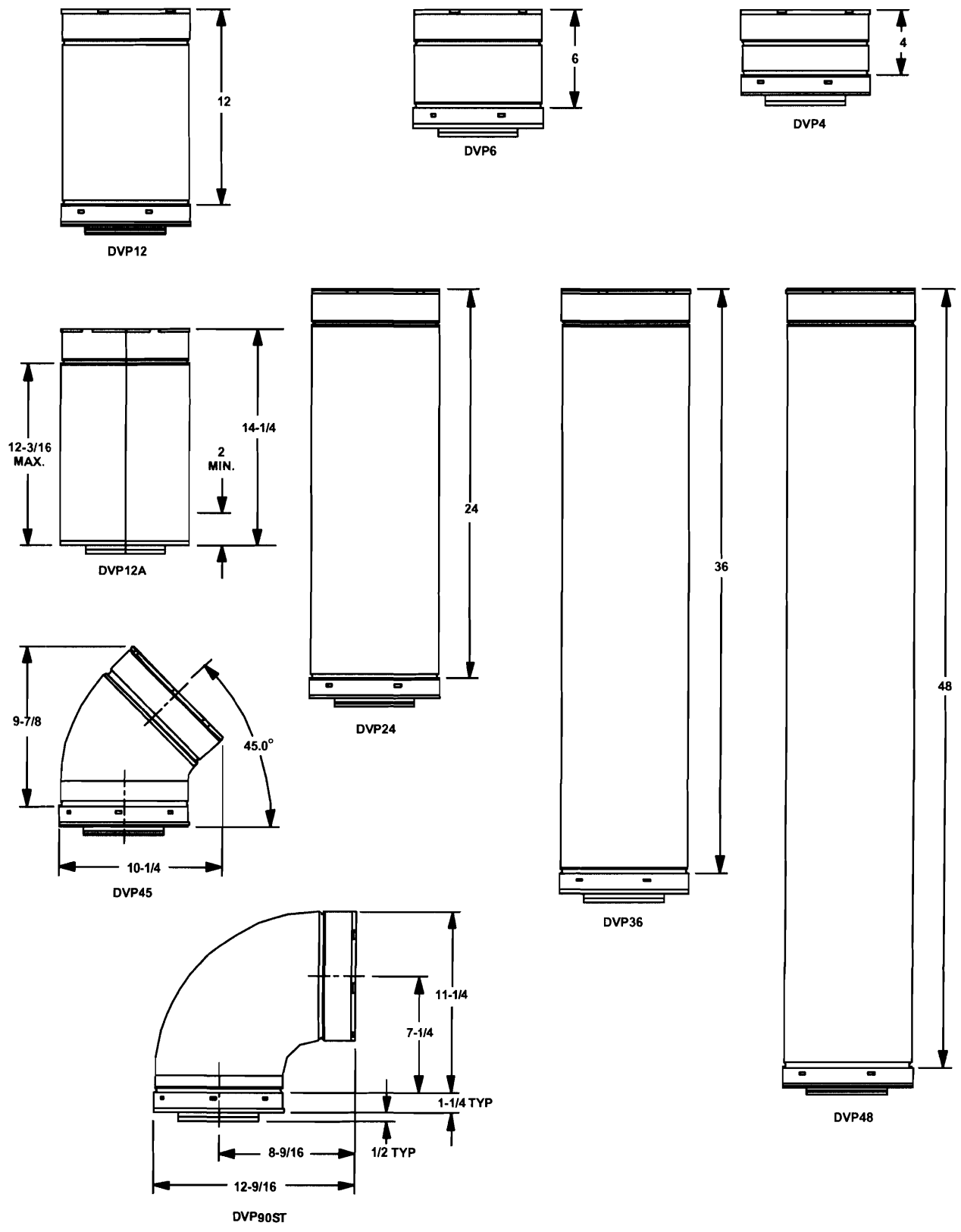


Figure 3. Framing Dimensions



NOTE: PIPES OVERLAP 1-1/4 INCHES AT EACH JOINT.

Figure 4. DVP-Series Direct Vent Component Specifications (5-inch inner pipe / 8-inch outer pipe)

Step 3. Installing the Vent System

A. Vent System Approvals

These models are approved to use DVP-series direct vent pipe components and terminations (see Figures 4 and 5). Approved vent system components are labeled for identification. This pipe is tested and listed as an approved component of the fireplace. The pipe is tested to be run inside an enclosed wall. There is no requirement for inspection openings at each joint within the wall. There is no required pitch for horizontal vent runs. **NO OTHER VENTING SYSTEMS OR COMPONENTS MAY BE USED.**

Detailed installation instructions are included with each vent termination kit and should be used in conjunction with this *Installers Guide*.

The flame and ember appearance may vary based on the type of fuel burned and the venting configuration used.

Identifying Vent Components

The vent systems installed on this gas fireplace may include one, two, or three 90° elbow assemblies. The relationships of vertical rise to horizontal run in vent configurations using 90° elbows **MUST BE** strictly adhered to. The rise to run relationships are shown in the venting drawings and tables. Refer to the diagrams on the next several pages.

NOTE: Two 45° elbows may be used in place of one 90° elbow. Rise to run ratios in the vent system must be followed if 45° elbows are used.

This model has vent starting collars on both the top and the back of the unit. Depending upon the installation, decide which **ONE** set of starting collars will be used to attach the vent system. The starting collar sealing cap must remain on the starting collar **NOT** used.

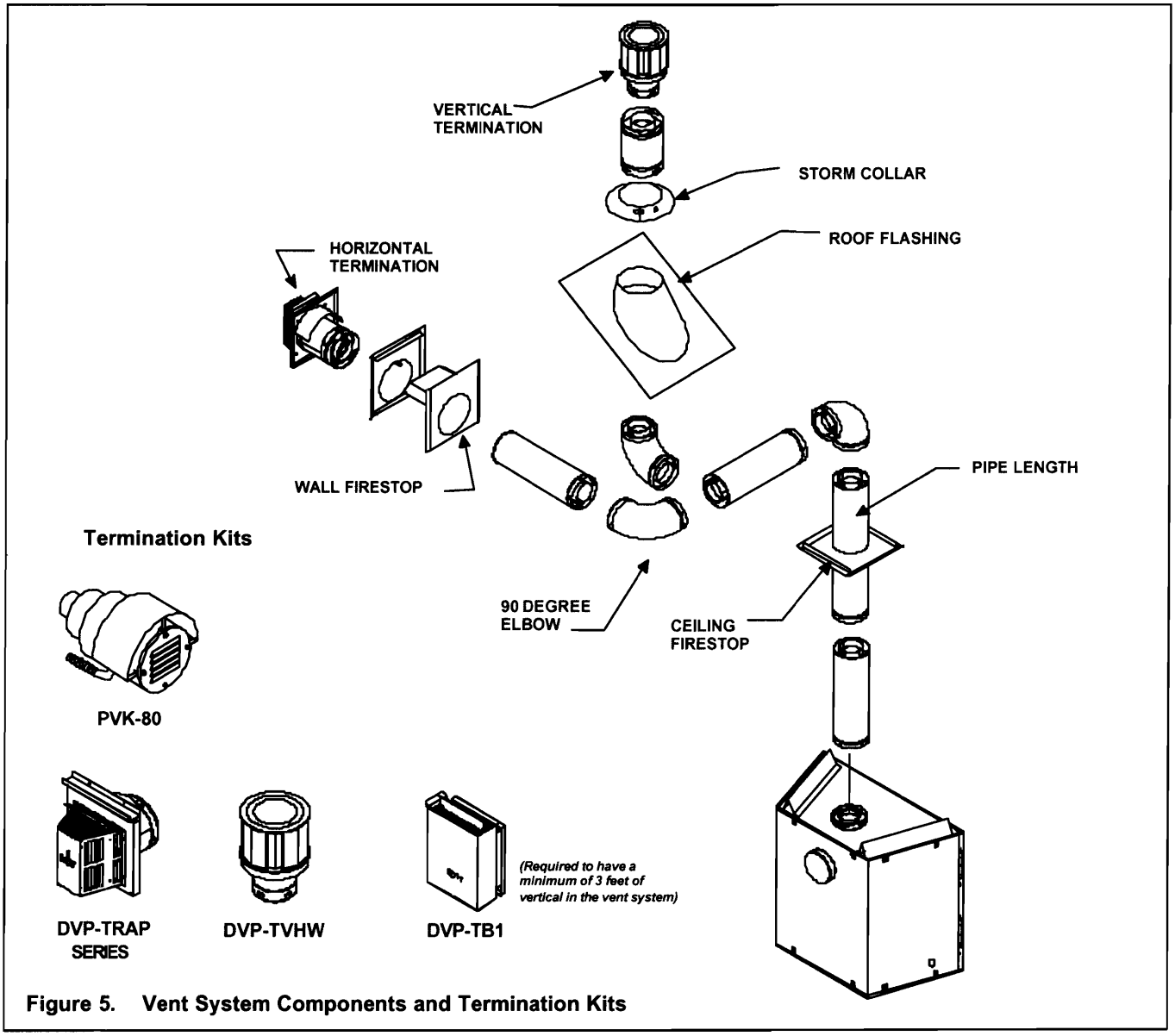


Figure 5. Vent System Components and Termination Kits

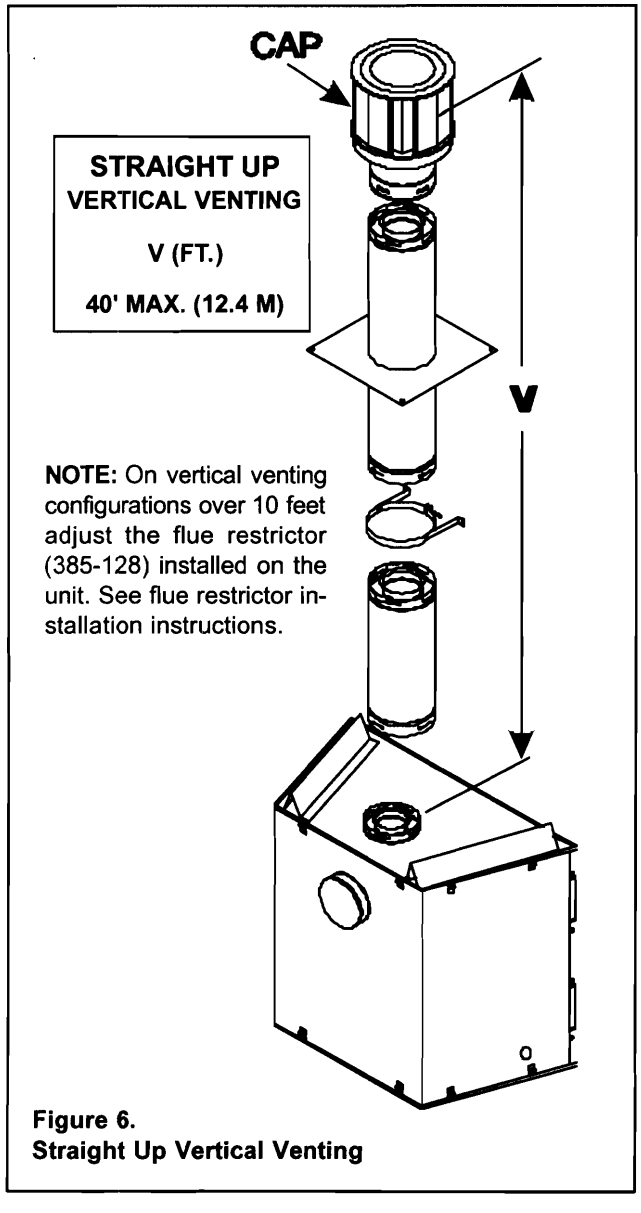


Figure 6.
Straight Up Vertical Venting

Flue Restrictor Instructions

Remove screws with a 1/4 nut driver. Adjust to desired position per table. See Flue Restricting chart (see Figure 9).

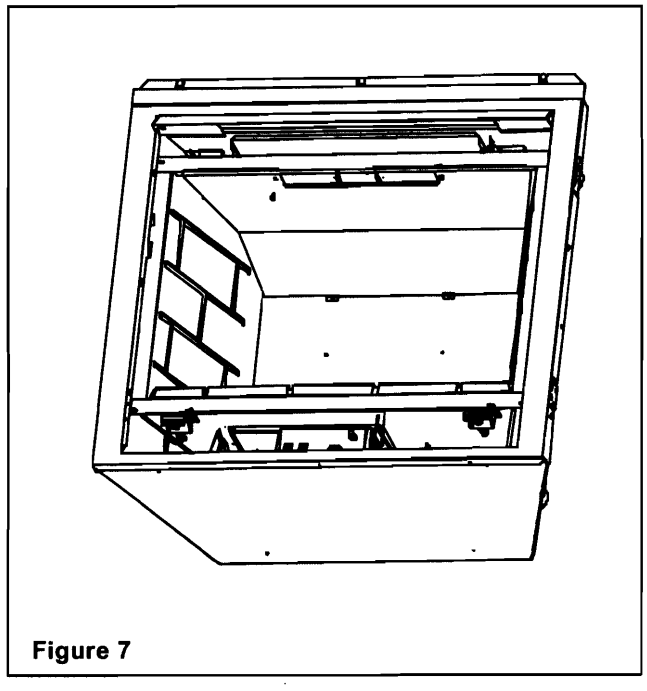


Figure 7

Adjustable Flue Restrictor (see Figure 8).

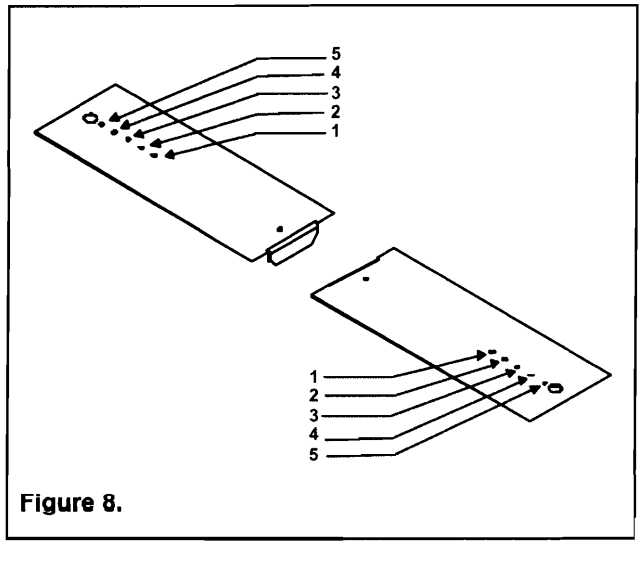
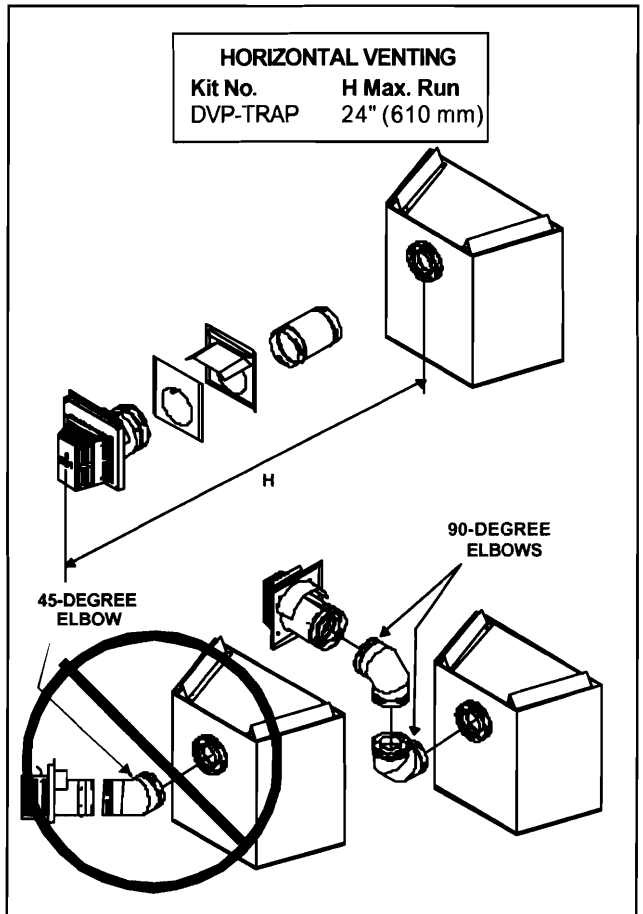


Figure 8.

Match the amount of vertical you have in the system with the chart to find the appropriate position to set the Flue Restrictor.

Figure 9.

- CHART -				
Vertical	**Top Vent NG**	**Top Vent LP**	**Rear Vent NG**	**Rear Vent LP**
4'	2-2	2-3	No Restrictor	No Restrictor
8'	3-3	2-3	2-2	No Restrictor
15'	3-4	3-4	3-3	2-3
20'	4-4	3-4	3-4	3-4
25'	4-4	3-4	3-4	3-4
30'	4-4	4-4	4-4	3-4
35'	4-4	4-4	4-4	3-4
40'	4-5	4-4	4-4	4-4



NOTE: This model is NOT tested and NOT approved to use 45° elbows in corner installations. 90° elbows may be used in corner installations.

Figure 10. Corner Installation

VENTING WITH ONE (1) 90° ELBOW	
V	H
1' MIN. (305mm)	2' MAX. (610mm)
2' MIN. (610mm)	4' MAX. (1.22m)
3' MIN. (914mm)	6' MAX. (1.86m)
4' MIN. (1.22m)	8' MAX. (2.4m)
V+H=40' MAX. (12.4m)	H = 8' MAX. (2.4m)

NOTE: On vertical venting configurations where the vertical component is over 10 feet, adjust the flue restrictor installed on the unit to improve flame appearance.

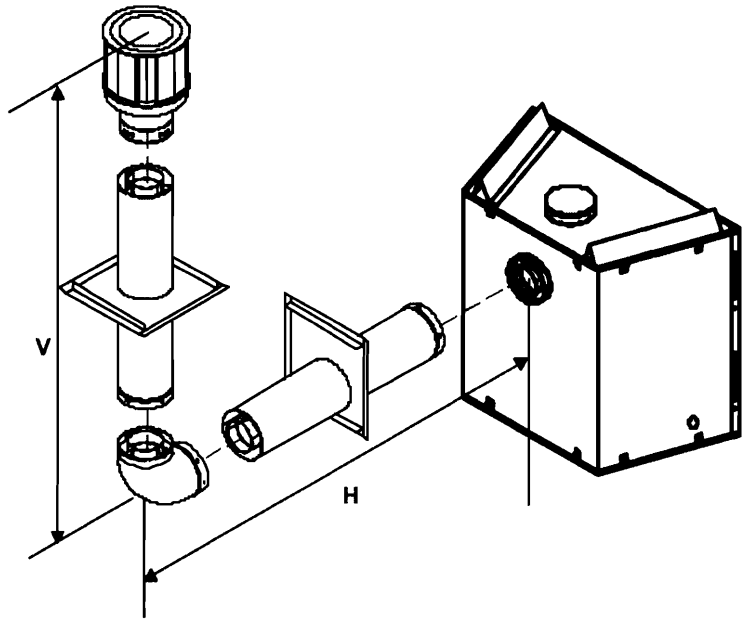
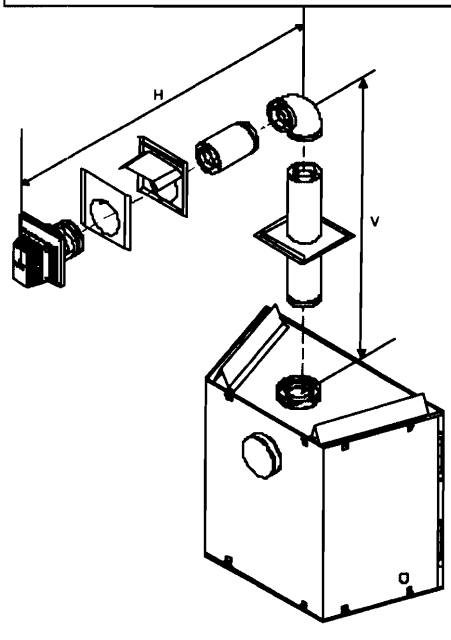
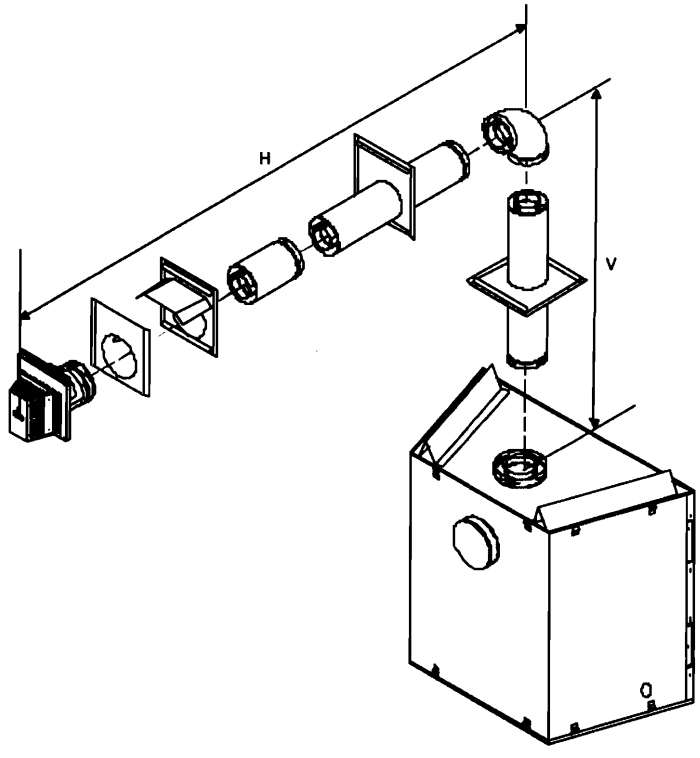


Figure 11. Venting with One 90° Elbow

VENTING WITH ONE (1) 90° ELBOW	
V (FT.)	H (FT.)
1' MIN. (305mm)	5' MAX. (1.52m)
2' MIN. (610mm)	10' MAX. (3.1m)
3' MIN. (914mm)	15' MAX. (4.65m)
4' MIN. (1.22m)	20' MAX. (6.2m)
V+H= 40' MAX. (12.4MM)	H = 20' MAX. (6.2m)



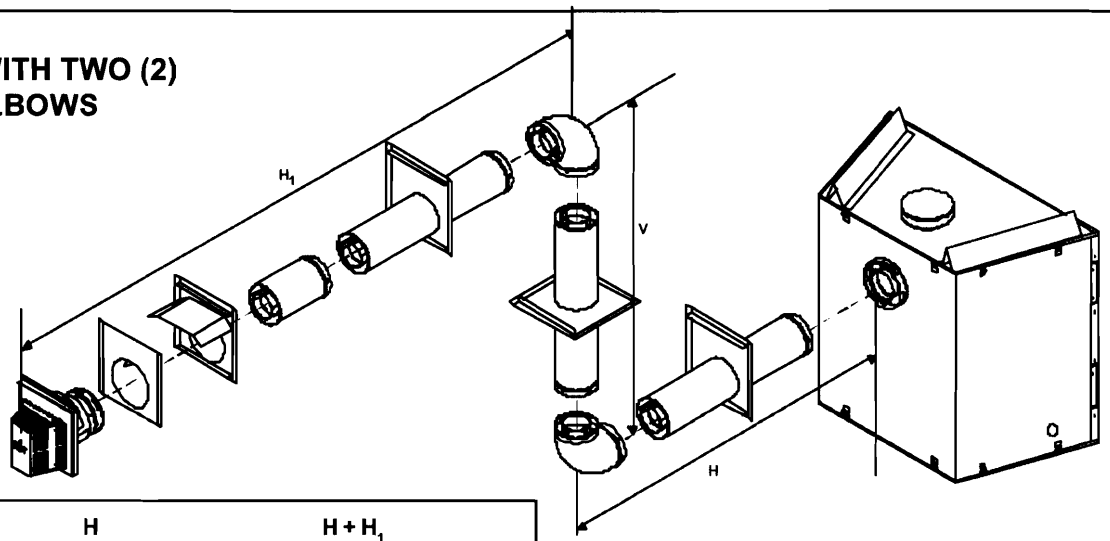


NOTE: For corner installations: A 6-inch (152mm) section of straight pipe may need to be attached to the fireplace before a 90° elbow, to allow the vent pipe to clear the top standoffs.

NOTE: If a 90° elbow is first attached to the unit, the maximum horizontal run is 3-feet (914mm).

Figure 12. Venting with One 90° Elbow

VENTING WITH TWO (2) 90° ELBOWS

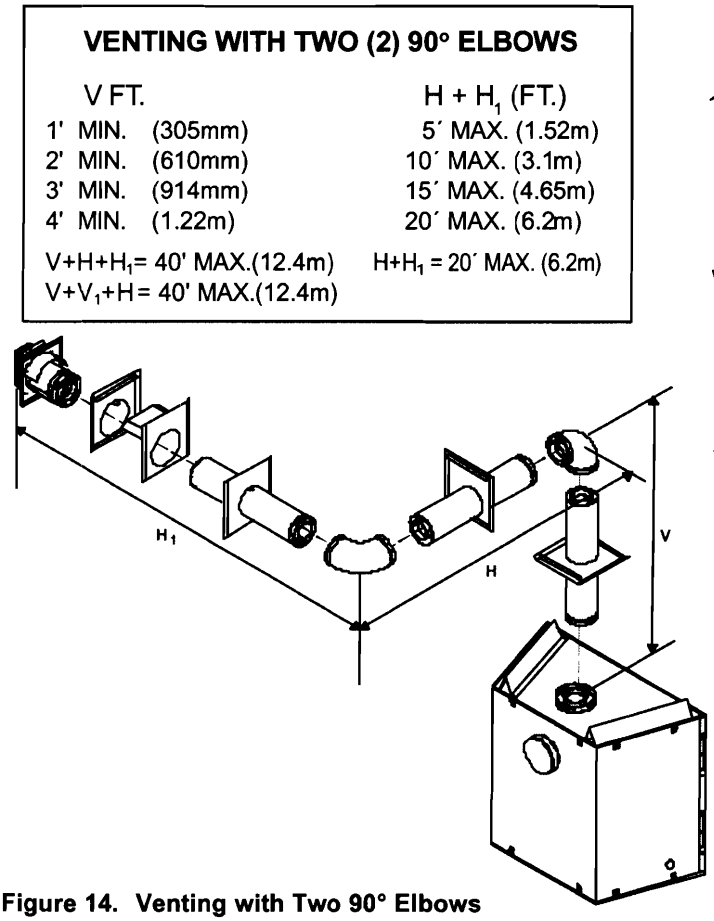


V	H	H + H_1
1′ MIN. (305 mm)	2′ MAX. (610 mm)	5′ MAX. (1.52m)
2′ MIN. (610 mm)	4′ MAX. (1.22 m)	10′ MAX. (3.1m)
3′ MIN. (914 mm)	6′ MAX. (1.86 m)	15′ MAX. (4.65m)
4′ MIN. (1.22 m)	8′ MAX. (2.48 m)	20′ MAX. (6.2m)
V+H+H_1 = 40′ MAX. (12.4 m)	H = 8′ MAX. (2.48 m)	H+H_1 = 20′ MAX. (6.2m)

Figure 13. Venting with Two 90° Elbows

VENTING WITH TWO (2) 90° ELBOWS

V FT.	H + H_1 (FT.)
1' MIN. (305mm)	5′ MAX. (1.52m)
2' MIN. (610mm)	10′ MAX. (3.1m)
3' MIN. (914mm)	15′ MAX. (4.65m)
4' MIN. (1.22m)	20′ MAX. (6.2m)
V+H+H_1= 40' MAX.(12.4m)	H+H_1 = 20′ MAX. (6.2m)
V+V_1+H = 40' MAX.(12.4m)	



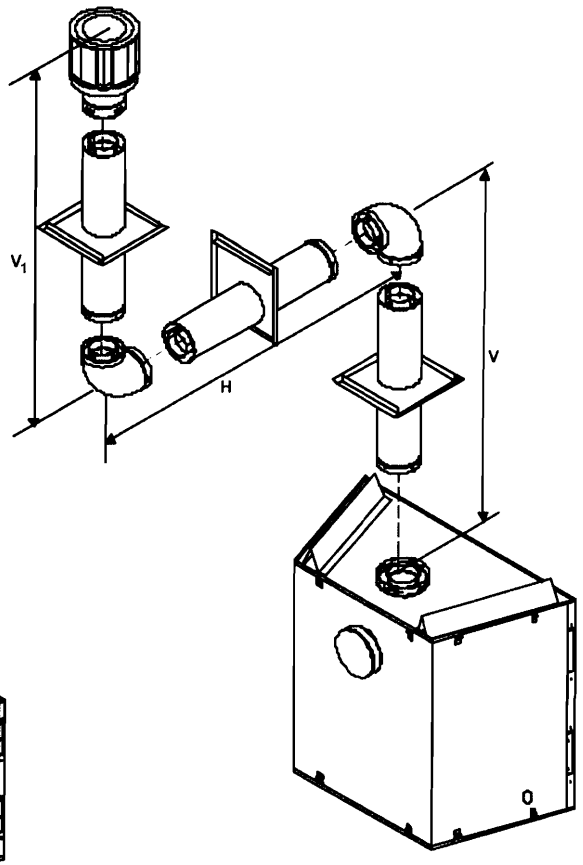
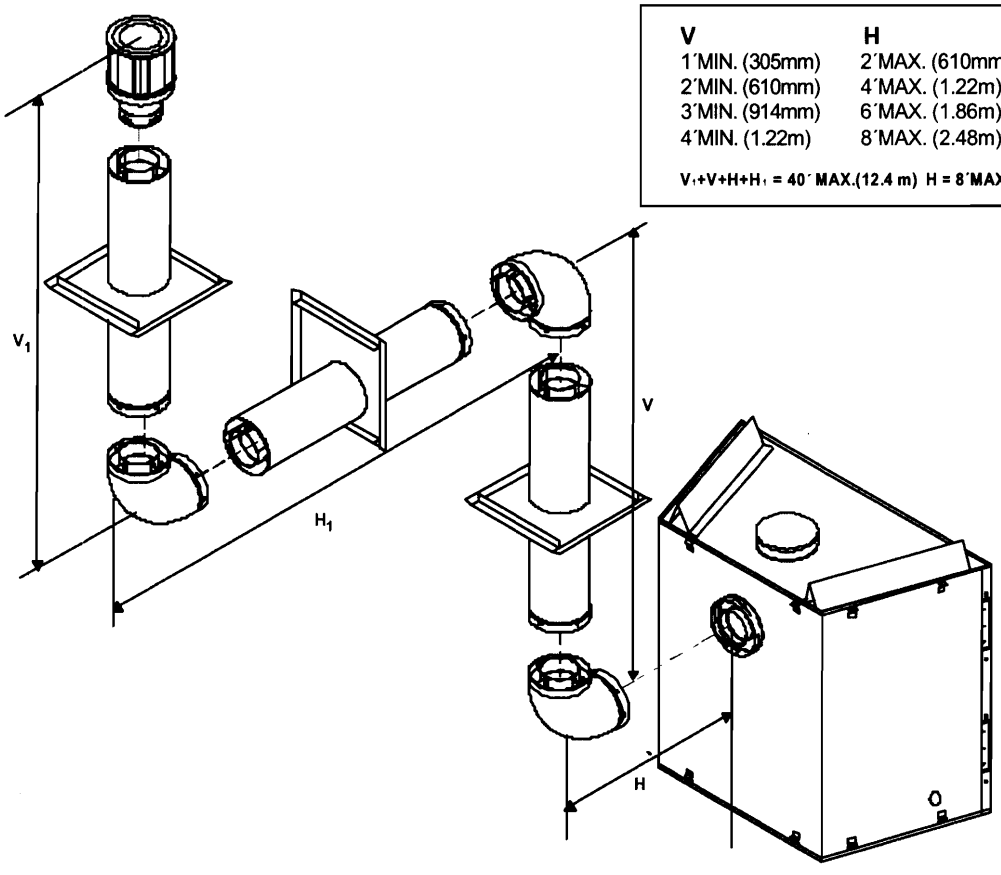


Figure 14. Venting with Two 90° Elbows

VENTING WITH THREE (3) 90° ELBOWS

V	H	H + H_1
1´MIN. (305mm)	2´MAX. (610mm)	5´MAX. (1.52m)
2´MIN. (610mm)	4´MAX. (1.22m)	10´MAX. (3.1m)
3´MIN. (914mm)	6´MAX. (1.86m)	15´MAX. (4.65m)
4´MIN. (1.22m)	8´MAX. (2.48m)	20´MAX. (6.2m)

V_1+V+H+H_1 = 40´ MAX.(12.4 m) H = 8´MAX.(2.48 m) H+H_1 = 20´MAX.(6.2 m)



V	H	H + H_1 + H_2
1´MIN. (305mm)	2´MAX. (610mm)	5´MAX. (1.52m)
2´MIN. (610mm)	4´MAX. (1.22m)	10´MAX. (3.1m)
3´MIN. (914mm)	6´MAX. (1.86m)	15´MAX. (4.65m)
4´MIN. (1.22m)	8´MAX. (2.48m)	20´MAX. (6.2m)

V+H+H_1+H_2 = 40´ MAX. (12.4 m) H = 8´ MAX. (2.48 m) H+H_1+H_2 = 20´ MAX. (6.2 m)

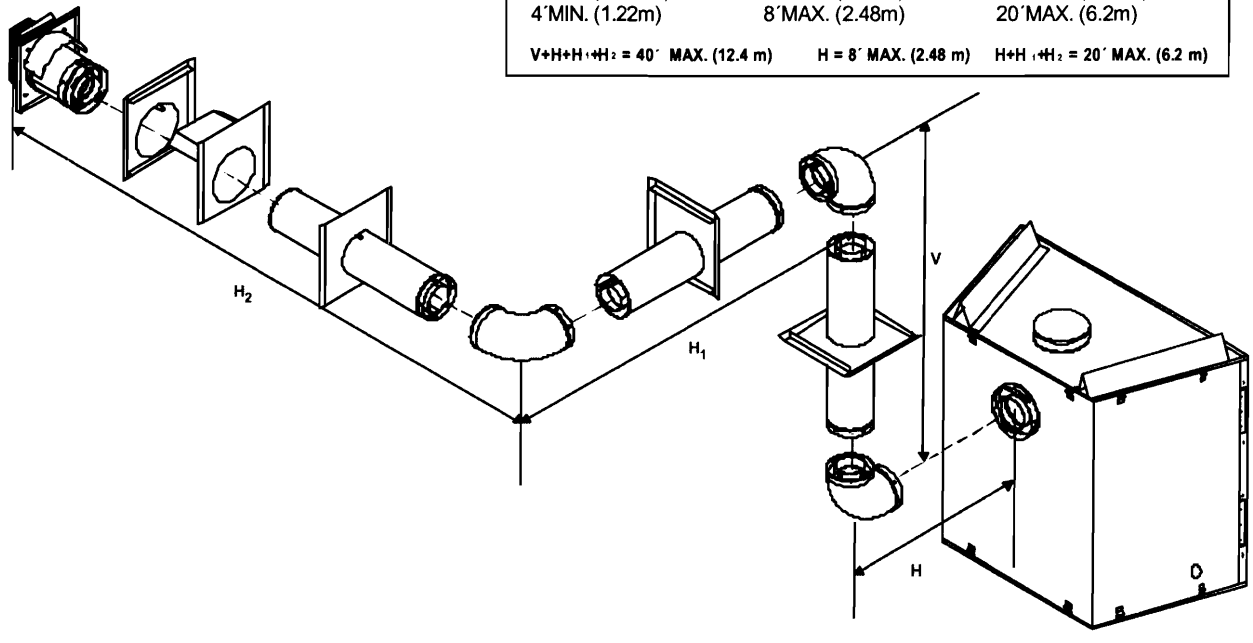
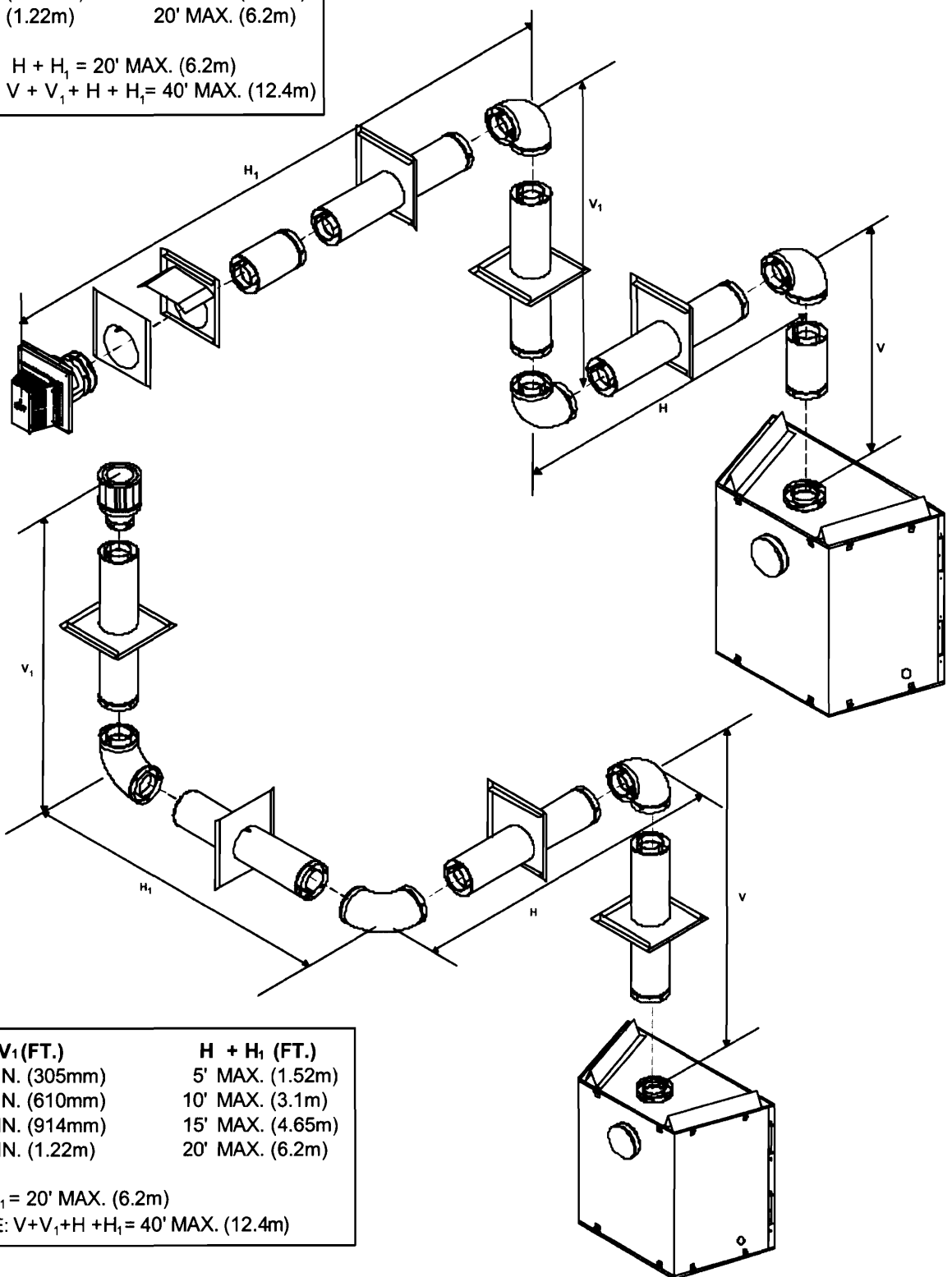


Figure 15. Venting with three 90° elbows

VENTING WITH THREE (3) 90° ELBOWS

V (FT.)	H (FT.)
1' MIN. (305mm)	5' MAX. (1.52m)
2' MIN. (610mm)	10' MAX. (3.1m)
3' MIN. (914mm)	15' MAX. (4.65m)
4' MIN. (1.22m)	20' MAX. (6.2m)

NOTE: $H + H_1$ = 20' MAX. (6.2m)
$V + V_1 + H + H_1$ = 40' MAX. (12.4m)



V + V1 (FT.)	H + H1 (FT.)
1' MIN. (305mm)	5' MAX. (1.52m)
2' MIN. (610mm)	10' MAX. (3.1m)
3' MIN. (914mm)	15' MAX. (4.65m)
4' MIN. (1.22m)	20' MAX. (6.2m)

H +H_1 = 20' MAX. (6.2m)
NOTE: V+V_1+H +H_1 = 40' MAX. (12.4m)

Figure 16. Venting with three 90° elbows

B. Installing Vent Components

After determining which set of starting collars will be used (top or rear), follow venting instructions accordingly.

Venting Out the Rear Vent

Remove the installed rear seal cap from the rear starting collars by cutting the strap at each end. (see Figure 17). Follow the vent configuration tables accordingly.

Remove the insulation from the **REAR** five inch flue, pull the heat shield out from outside of the firebox.

⚠ WARNING: THE TOP HEAT SHIELD (INSIDE THE FIREBOX) MUST REMAIN ATTACHED IF THE VENT SYSTEM IS ATTACHED TO THE REAR STARTING COLLARS. SEE FIGURE 17.

Venting Out the Top Vent

Remove the two screws in the top vent collar seal cap and remove the top vent collar seal cap and two pieces of insulation inside the top two starting collars (See Figure 17).

Remove the heat shield from inside the **TOP** five inch flue from outside of the firebox.

The glass must be taken off again for positioning the logs when the unit is finally installed in place and finished around it. Re-install the glass door. Attach vent system to the top starting collars.

⚠ WARNING: THE REAR VENT COLLAR SEAL CAP MUST REMAIN ATTACHED TO THE REAR VENT COLLARS IF THE VENT SYSTEM IS ATTACHED TO THE TOP STARTING COLLARS.

⚠ WARNING: FAILURE TO REMOVE INSULATION IN THE SET OF COLLARS YOU ARE USING COULD CAUSE A FIRE.

⚠ WARNING: YOU MUST LEAVE THE INSULATION IN PLACE IN THE SET OF COLLARS YOU ARE NOT USING.

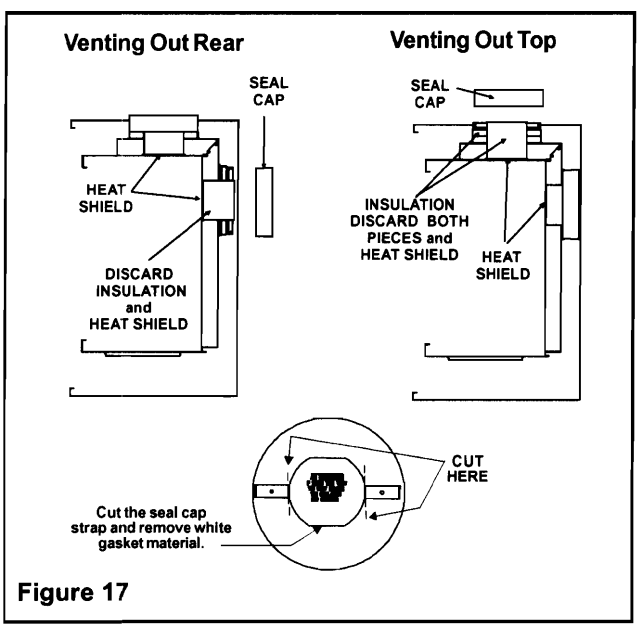


Figure 17

1. Attach the First Vent Component to the Starting Collars

To attach the first vent component to the starting collars of the fireplace:

- Make sure that the fiberglass gasket supplied in the manual bag seals between the first 8 inch (203mm) vent component and the outer fireplace wrap. Using 2 self-tapping screws from the manual bag secure that gasket to the outer wrap (see Figure 18).

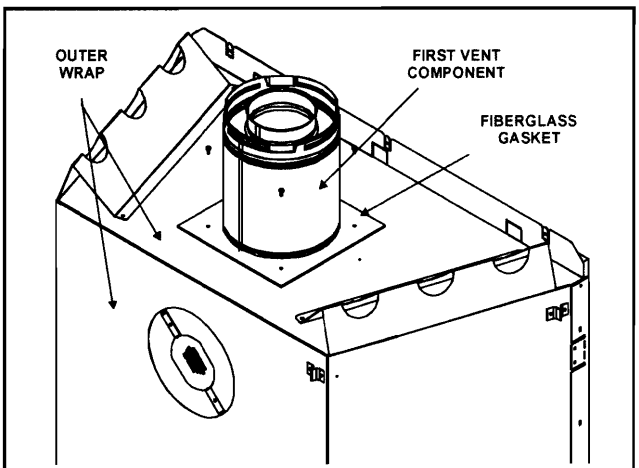


Figure 18. Fiberglass Gasket

DVP PIPE:

1. Attaching the Venting to the Fireplace

Refer to Cinch Pipe and Termination Cap installation instructions.

2. Assembling Vent Sections

Refer to Cinch Pipe and Termination Cap installation instructions.

⚠ WARNING: ENSURE THAT THE FIBERGLASS GASKET SUPPLIED WITH THE FIREPLACE SEALS BETWEEN THE FIRST VENT COMPONENT AND THE OUTER FIREPLACE WRAP.

If the installation is for a termination cap attached directly to the fireplace, skip to the sections, **Install Firestops** and **Vent Termination**.

3. Continue Adding Vent Components

⚠ WARNING: INSTALLATION OF THIS FIREPLACE REQUIRES THE USE OF HEAT SHIELD 570-290 ABOVE THE FIRST 90° ELBOW IN THE VENTING SYSTEM.

To Install the Heat Shield:

1. Determine if the heat shield is required. Do so by measuring the vertical distance between the top horizontal surface of the elbow to any combustible surface above. If the distance is more than 4 inches, the heat shield is **NOT** required. If it is 4 inches or less, the heat shield **IS REQUIRED**. Install per the following steps. See Figure 19.

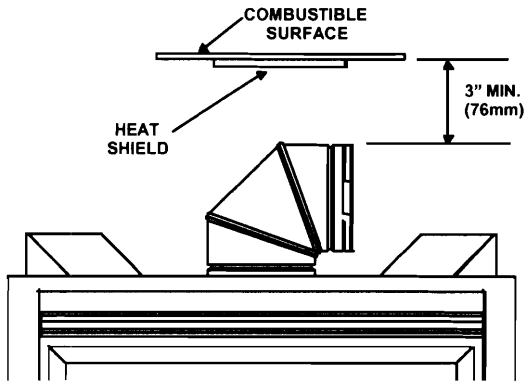


Figure 19

2. Fasten the shield in place using the four pilot holes provided in the part. The shield should be oriented such that the 13 1/8 inch dimension (longest dimension) is running in the same direction the elbow is pointing. The shield should be centered directly above the elbow, and positioned so that it creates a 1/2 inch airspace between the shield and the combustible surface. See Figure 20.

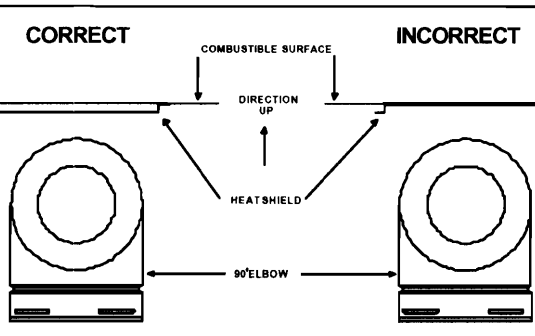


Figure 20

- If the combustible materials are not in place at the time of install the elbow heat shield may be screwed to the exhaust pipe (see Figure 21). Cut the tabs as shown and bend down. Secure the heat shield to the pipe maintaining 3" to 4" between the pipe and shield.

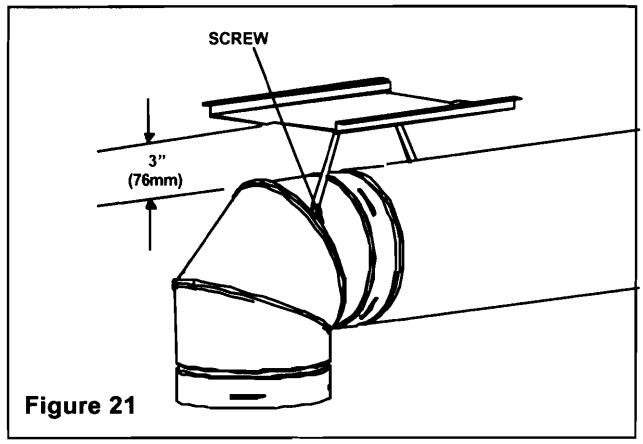


Figure 21

Refer to Cinch Pipe and Termination Cap installation instructions.

- Continue adding vent components, locking each succeeding component into place.
- Ensure that each succeeding vent component is securely fitted and locked into the preceding component in the vent system.
- 90° elbows may be installed and rotated to any point around the preceding component's vertical axis. If an elbow does not end up in a locked position with the preceding component, attach with a minimum of two (2) sheet metal screws.

4. Install Support Brackets

Refer to Cinch Pipe and Termination Cap installation instructions.

5. Install Firestops

For Horizontal Runs - Firestops are **REQUIRED** on both sides of a combustible wall through which the vent passes.

NOTE: Model DVP-TRAP does not need an exterior firestop on an exterior combustible wall.

To install firestops for horizontal runs that pass through either interior or exterior walls:

- Cut a 10-inch by 12-inch (245mm x 305mm) hole through the wall.

NOTE: The center of the hole is one (1) inch (25.4mm) above the center of the horizontal vent pipe.

- Position the firestops on both sides of the hole previously cut and secure the firestops with nails or screws.
- The heat shields of the firestops **MUST BE** placed towards the top of the hole.
- Continue the vent run through the firestops.

NOTE: There must be NO INSULATION or other combustibles inside the framed firestop opening.

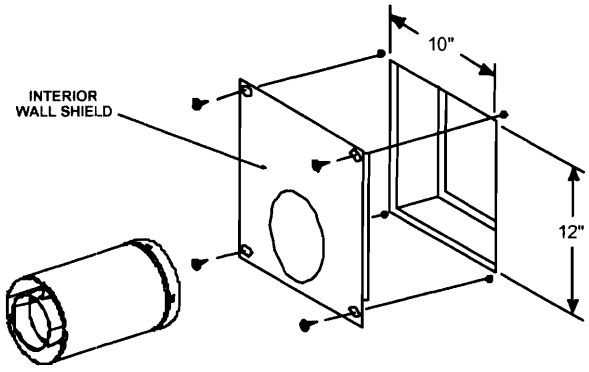


Figure 22. 10" x 12" Hole and Vent Pipe

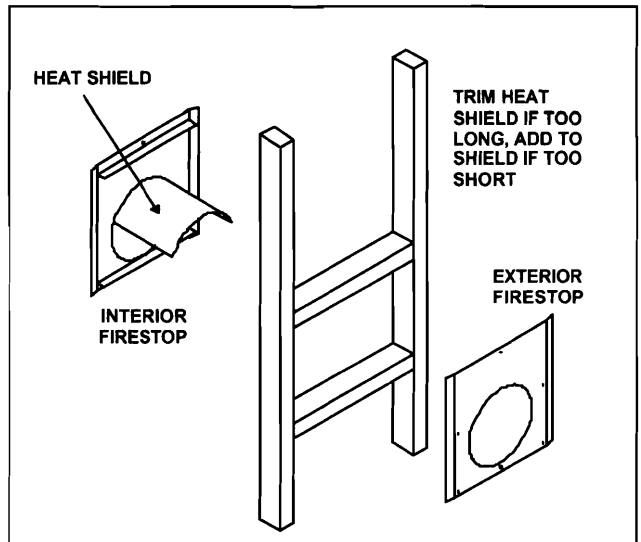


Figure 23. Heat Shield, Interior & Exterior Firestops

For Vertical Runs - One ceiling firestop is **REQUIRED** at the hole in each ceiling through which the vent passes.

To install firestops for vertical runs that pass through ceilings:

- Position a plumb bob directly over the center of the vertical vent component.
- Mark the ceiling to establish the centerpoint of the vent.
- Drill a hole or drive a nail through this centerpoint.
- Check the floor above for any obstructions, such as wiring or plumbing runs.
- Reposition the fireplace and vent system, if necessary, to accommodate the ceiling joists and/or obstructions.
- Cut a 10-inch x 10-inch (254mm x 254mm) hole through the ceiling, using the centerpoint previously marked.
- Frame the hole with framing lumber the same size as the ceiling joists.

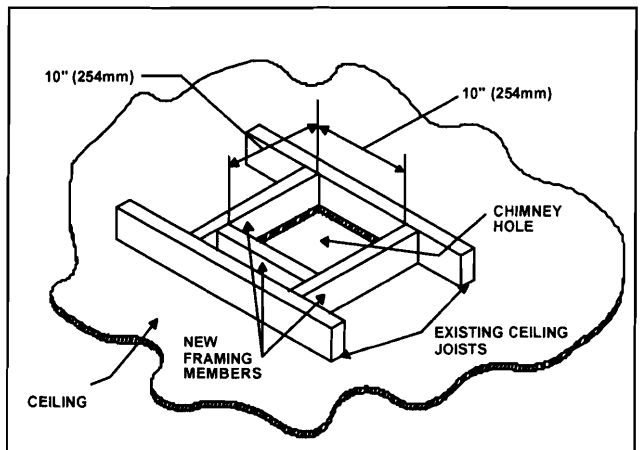


Figure 24. 10" x 10" Hole & New Framing Members

If the area above the ceiling is **NOT** an attic, position and secure the ceiling firestop on the ceiling side of the previously cut and framed hole.

NOTE: There must be NO INSULATION or other combustibles inside the framed firestop opening.

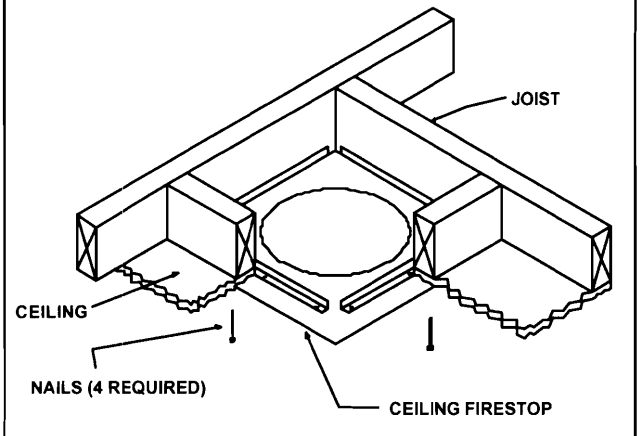


Figure 25. Ceiling Firestop (Ceiling Side)

If the area above the ceiling **IS** an attic, position and secure the firestop on top of the previously framed hole.

NOTE: Keep insulation away from the vent pipe at least 1 inch (25mm).

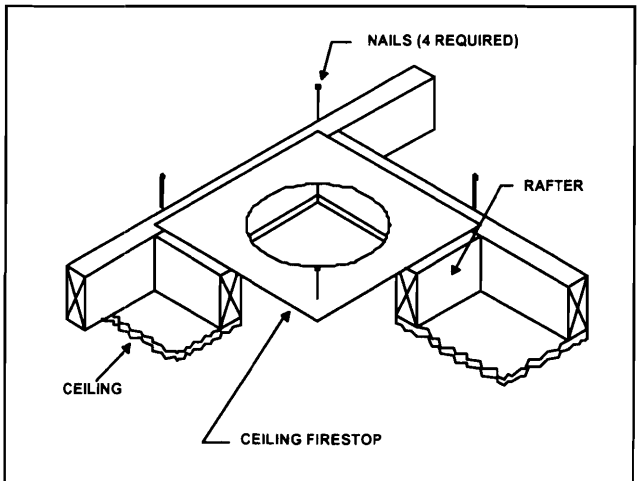


Figure 26. Attic Firestop

C. Vent Termination

Refer to Cinch Pipe and Termination Cap installation instructions.

WARNING: THE TERMINATION CAP MUST BE POSITIONED SO THAT THE ARROW IS POINTING UP.

WARNING: VENTING TERMINALS SHALL NOT BE RECESSED INTO A WALL OR SIDING. VENT TERMINATION CLEARANCES MUST BE FOLLOWED TO AVOID FIRE DANGER. SEE VENT TERMINATION MINIMUM CLEARANCES DIAGRAM ON FOLLOWING PAGE.

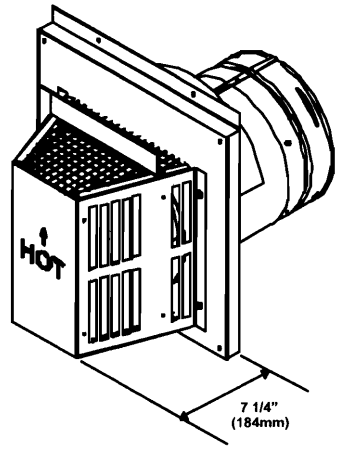
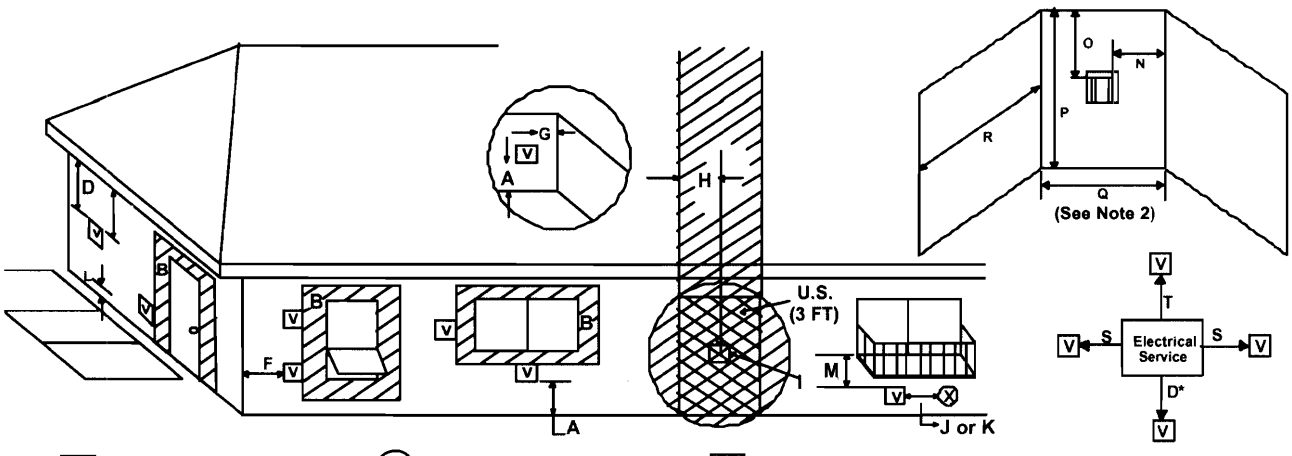


Figure 27. Trapezoid Termination Caps



V = VENT TERMINAL (X) = AIR SUPPLY INLET = AREA WHERE TERMINAL IS NOT PERMITTED

A = 12" (See Note 1) ..... clearances above grade, veranda, porch, deck or balcony

B = 12" ..... clearances to window or door that may be opened, or to permanently closed window.

D* = 18" ..... vertical clearance to unventilated soffit or to ventilated soffit located above the terminal

*30" min. ..... for vinyl clad soffits and below electrical service

F = 9" ..... clearance to outside corner

G = 6" ..... clearance to inside corner

H = 3 ft. (Canada) ..... not to be installed above a gas meter/regulator assembly within 3 feet (90cm) horizontally from the center-line of the regulator

I = 3 ft. (U.S.A.)
6 ft. (Canada) ..... clearance to gas service regulator vent outlet

J = 9" (U.S.A.)
12" (Canada) ..... clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance

K = 3 ft. (U.S.A.)
6 ft. (Canada) ..... clearance to a mechanical air supply inlet

L** = 7 ft. (See Note 1) ..... clearance above paved sidewalk or a paved driveway located on **public** property

M*** = 18" ..... clearance under veranda, porch, deck or balcony

N = 6" ..... non-vinyl sidewalls
12" ..... vinyl sidewalls

O = 18" ..... non-vinyl soffit and overhang
42" ..... vinyl soffit and overhang

P = 8 ft.

	Q_{MIN}	R_{MAX}
1 cap	3 feet	$2 \times Q_{ACTUAL}$
2 caps	6 feet	$1 \times Q_{ACTUAL}$
3 caps	9 feet	$2/3 \times Q_{ACTUAL}$
4 caps	12 feet	$1/2 \times Q_{ACTUAL}$
Q_{MIN} = # termination caps x 3		R_{MAX} = (2 / # termination caps) x Q_{ACTUAL}

S = 6" MIN. (See Note 5) ..... clearance from sides of electrical service

T = 12" MIN. (See Note 5) ..... clearance above electrical service

** 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 of 2 sides beneath the floor.

NOTE 1: On private property where termination is less than 7 feet above a sidewalk, driveway, deck, porch, veranda or balcony, use of a listed cap shield is suggested.

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

NOTE 3: Local codes or regulations may require different clearances.

NOTE 4: Termination caps may be hot. Consider their proximity to doors or other traffic areas.

NOTE 5: Location of the vent termination must not interfere with access to the electrical service.

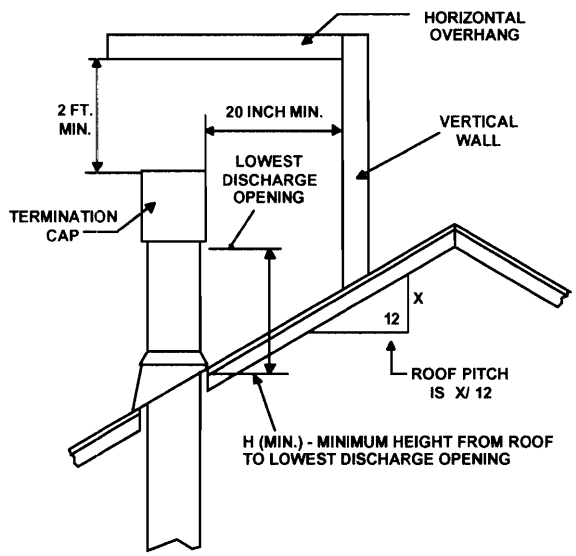
WARNING: In the U.S: Vent system termination is **NOT** permitted in screened porches. You must follow side wall, overhang and ground clearances as stated in the instructions.

In Canada: Vent system termination is **NOT** permitted in screened porches. Vent system termination is permitted in porch areas with two or more sides open. You must follow all side walls, overhang and ground clearances as stated in the instructions.

Heat-N-Glo assumes no responsibility for the improper performance of the fireplace when the venting system does not meet these requirements.

Figure 28. Vent Termination Minimum Clearances

CAUTION: *IF EXTERIOR WALLS ARE FINISHED WITH VINYL SIDING, IT IS SUGGESTED THAT A VINYL PROTECTOR KIT BE INSTALLED.*



Roof Pitch	H (min.) ft.
flat to 6/12	1.0
6/12 to 7/12	1.25
over 7/12 to 8/12	1.5
over 8/12 to 9/12	2.0
over 9/12 to 10/12	2.5
over 10/12 to 11/12	3.25
over 11/12 to 12/12	4.0
over 12/12 to 14/12	5.0
over 14/12 to 16/12	6.0
over 16/12 to 18/12	7.0
over 18/12 to 20/12	7.5
over 20/12 to 21/12	8.0

Figure 29. Minimum Height from Roof to Lowest Discharge Opening

For Vertical Terminations - To locate the vent and install the vent sections:

- Locate and mark the vent centerpoint on the underside of the roof, and drive a nail through the centerpoint.
- Make the outline of the roof hole around the centerpoint nail.
- The size of the roof hole framing dimensions depend on the pitch of the roof. There **MUST BE** a 1-inch (25.4mm) clearance from the vertical vent pipe to combustible materials.
- Mark the roof hole accordingly.
- Cover the opening of the installed vent pipes.
- Cut and frame the roof hole.
- Use framing lumber the same size as the roof rafters and install the frame securely. Flashing anchored to the frame must withstand heavy winds.
- Continue to install concentric vent sections up through the roof hole (for inside vent installations) or up past the roof line until you reach the appropriate distance above the roof (for outside terminations).

⚠ WARNING: MAJOR U.S. BUILDING CODES SPECIFY MINIMUM CHIMNEY AND/OR VENT HEIGHT ABOVE THE ROOF TOP. THESE MINIMUM HEIGHTS ARE NECESSARY IN THE INTEREST OF SAFETY. SEE THE FOLLOWING DIAGRAM FOR MINIMUM HEIGHTS, PROVIDED THE TERMINATION CAP IS AT LEAST TWENTY INCHES FROM A VERTICAL WALL AND 2-FEET BELOW A HORIZONTAL OVERHANG.

NOTE: This also pertains to vertical vent systems installed on the outside of the building.

To seal the roof hole, and to divert rain and snow from the vent system:

- Attach a flashing to the roof using nails, and use a non-hardening mastic around the edges of the flashing base where it meets the roof.
- Attach a storm collar over the flashing joint to form a water-tight seal. Place non-hardening mastic around the joint, between the storm collar and the vertical pipe.
- Slide the termination cap over the end of the vent pipe and snap into place.

Step 4. Positioning, Leveling and Securing the Fireplace

The diagram below shows how to properly position, level, and secure the fireplace.

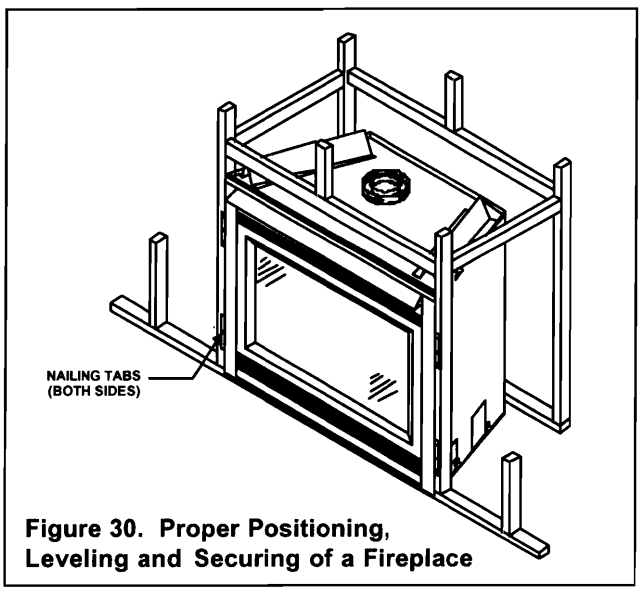


Figure 30. Proper Positioning, Leveling and Securing of a Fireplace

- Place the fireplace into position.
- Level the fireplace from side to side and front to back.
- Shim the fireplace with non-combustible material, such as sheet metal, as necessary.
- Secure the fireplace to the framing by nailing or screwing.

Step 5. Installing the Optional Heat-Zone Kit

NOTE: There must be NO INSULATION or other combustibles inside the framed firestop opening.

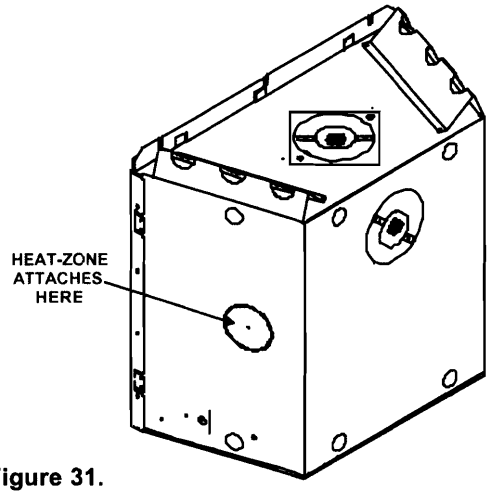


Figure 31.

1. Remove the knockout from the fireplace and discard it (see Figure 31).

2. Center the duct collar around the exposed hole and attach it to the fireplace with 3 screws. **NOTE:** Do this **BEFORE** final positioning of the fireplace.

3. Determine the location for the air register/fan housing assembly.

Reference the Heat-Zone kit instructions for the remaining installation steps.

Step 6. The Gas Control System

WARNING: THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

The type of gas control system used with this model is *Intermittent Pilot Ignition.*

Intermittent Pilot Ignition System
This system includes a 3 V control valve, electronic module and spark ignitor/flame sensor.

WARNING: 110-120 VAC MUST NEVER BE CONNECTED TO A CONTROL VALVE IN A MILLIVOLT SYSTEM.

WARNING: CONTINUOUS 110-120 VAC SERVICE MUST BE WIRED DIRECTLY TO THE FIREPLACE JUNCTION BOX.

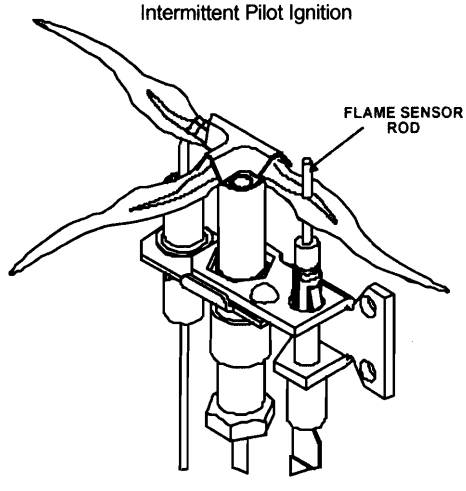


Figure 32. Gas Controls System

Step 7. The Gas Supply Line

NOTE: Have the gas supply line installed in accordance with local building codes by a qualified installer approved and/or licensed as required by the locality. (In ◆ the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter).

NOTE: Before the first firing of the fireplace, the gas supply line should be purged of any trapped air.

NOTE: Consult local building codes to properly size the gas supply line leading to the 1/2 inch (13mm) hook-up at the unit.

This gas fireplace is designed to accept a 1/2 inch (13 mm) gas supply line. To install the gas supply line:

◆ • A listed (and Commonwealth of Massachusetts approved) 1/2 inch (13mm) tee-handle manual shut-off valve and a listed flexible gas connector are connected to the 1/2 inch (13mm) inlet of the control valve. **NOTE:** If substituting for these components, please consult local codes for compliance.

- Locate the gas line access hole in the outer casing of the fireplace.
- The gas line may be run from either side of the fireplace provided the hole in the outer wrap does not exceed 2 1/2" in diameter and it does not penetrate the actual firebox.
- The gap between the supply piping and gas access hole can be plugged with non-combustible insulation to prevent cold air infiltration.
- Open the fireplace lower grille, insert the gas supply line through the gas line hole, and connect it to the shut-off valve.
- When attaching the pipe, support the control so that the lines are not bent or torn.

◆ • After the gas line installation is complete, use a commercially-available, non-corrosive leak test solution to carefully check all gas connections for leaks.

⚠ WARNING: DO NOT USE AN OPEN FLAME TO CHECK FOR GAS LEAKS.

- At the gas line access hole, use insulation to re-pack the space around the gas pipe.
- Insert insulation from the outside of the fireplace and pack the insulation tightly to totally seal between the pipe and the outer casing.

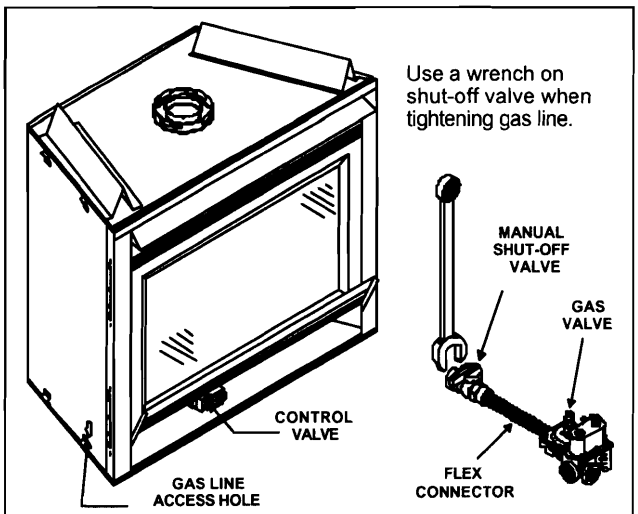


Figure 33. Gas Supply Line

Step 8. Gas Pressure Requirements

Pressure requirements for Heat-N-Glo gas fireplaces are shown in the table below.

Pressure	Natural Gas	Propane
Minimum Inlet Pressure	5.0 inches w.c.	11.0 inches w.c.
Maximum Inlet Gas Pressure	14.0 inches w.c.	14.0 inches w.c.
Manifold Pressure	3.5 inches w.c.	10.0 inches w.c.

A one-eighth (1/8) inch (3 mm) N.P.T. plugged tapping is provided on the inlet and outlet side of the gas control for a test gauge connection to measure the manifold pressure. Use a small flat blade screwdriver to crack open the screw in the center of the tap. Position a rubber hose over the tap to obtain the pressure reading.

The fireplace and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of one-half (1/2) psig (3.5 kPa).

The fireplace must be isolated from the gas supply piping system by closing its individual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than one-half (1/2) psig (3.5 kPa).

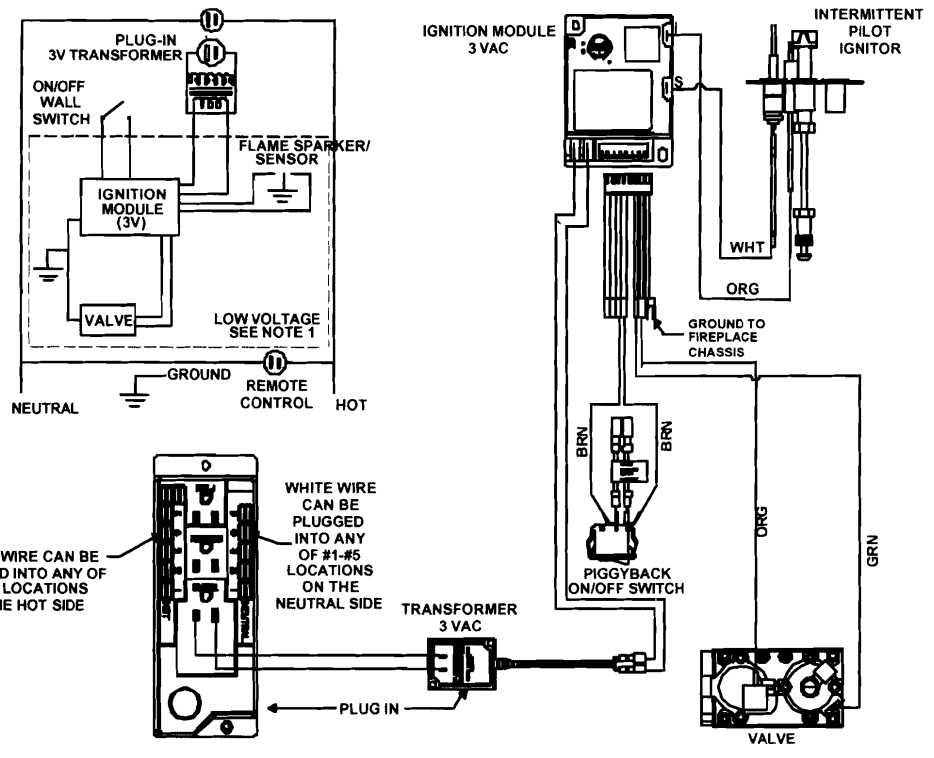


Figure 34. Intermittent Pilot Ignition (IPI) Wiring Diagram

Step 9. Wiring the Fireplace

Intermittent Pilot Ignition (IPI) Wiring

3 Volt Transformer

This appliance comes with a 3 volt transformer found in the manual bag. Plug the transformer leads to the green control module (see Figure 34). Then plug the transformer into the side outlet on the junction box.

Appliance Requirements

This appliance requires 110-120 VAC be wired to the factory installed junction box. Maintain correct polarity when wiring the junction box.

WARNING: DO NOT CONNECT 110-120 VAC TO THE GAS CONTROL VALVE OR THE APPLIANCE WILL MALFUNCTION AND THE VALVE WILL BE DESTROYED.

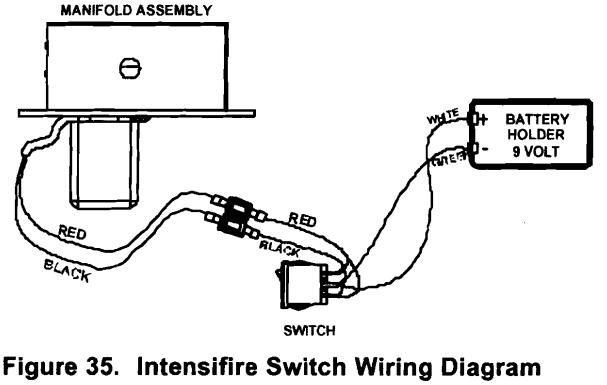


Figure 35. Intensifire Switch Wiring Diagram

Intensifire Switch

This model is equipped with an intensifire switch. This switch allows you to turn On/Off the rear log burners. The switch is located on the control panel. Install the 9 volt battery into the battery holder located in the lower compartment right next to the control panel (see Figure 35).

Optional Accessories

Optional fan and remote control kits require that 110-120 VAC be wired to the factory installed junction box before the fireplace is permanently installed.

Wall Switch

Position the wall switch in the desired position on a wall. Run a maximum of 25 feet (7.8 m) or less length of 18 A.W.G. minimum wire and connect it to the fireplace ON/OFF switch pigtails.

WARNING: DO NOT CONNECT 110-120 VAC TO THE WALL SWITCH OR THE CONTROL VALVE WILL BE DESTROYED.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

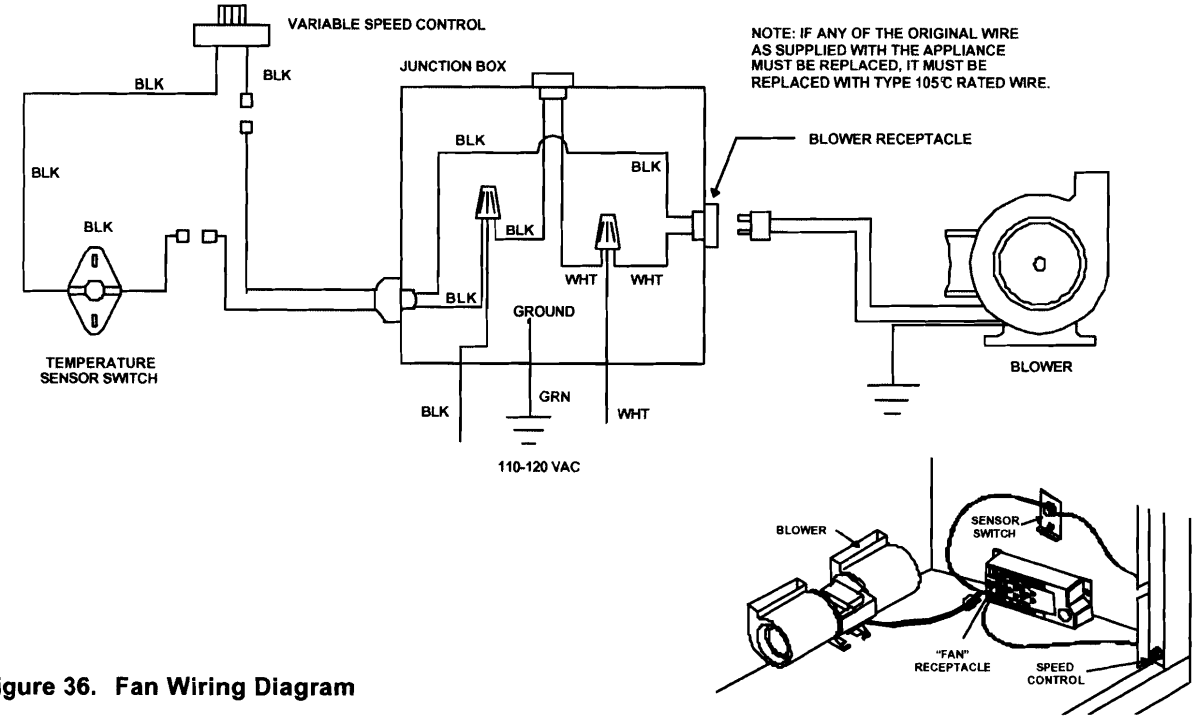
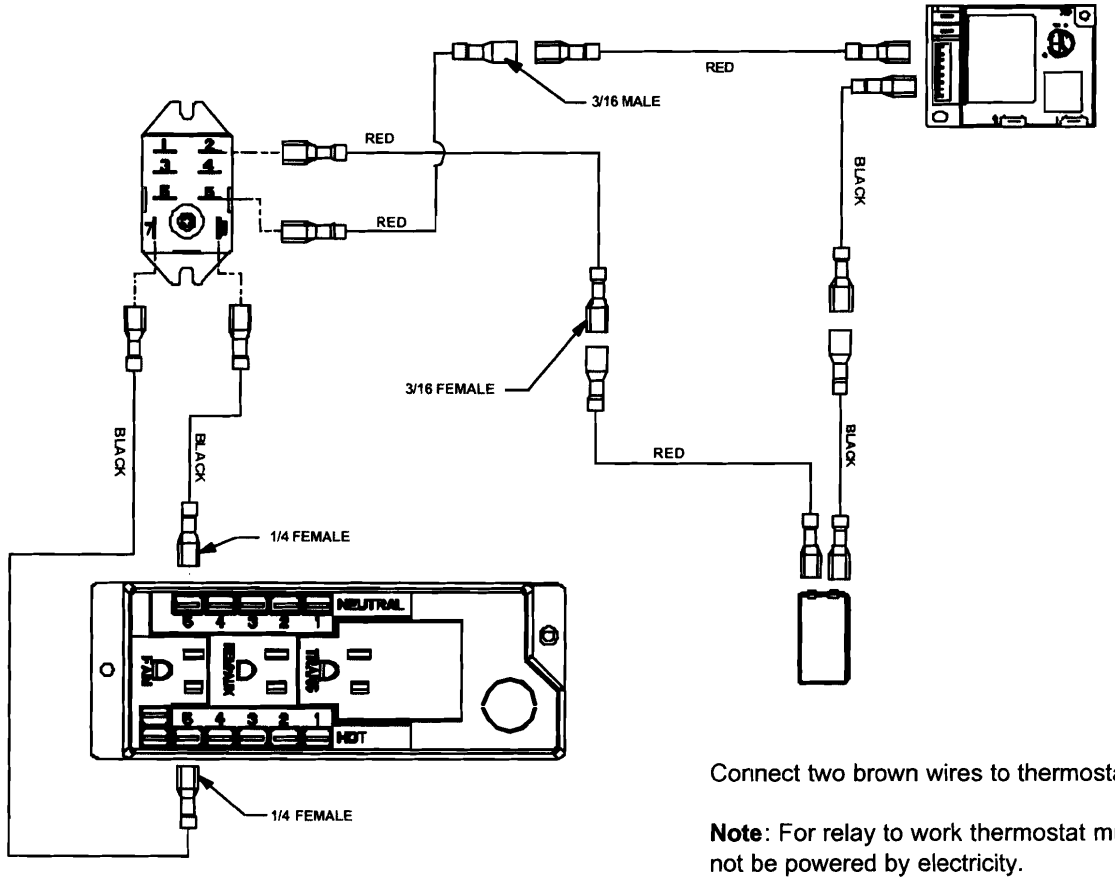


Figure 36. Fan Wiring Diagram



Connect two brown wires to thermostat.

Note: For relay to work thermostat must not be powered by electricity.

Figure 37. Cabin Kit (Relay) Wiring Diagram

Step 10. Finishing

Figure 38 shows the minimum vertical and corresponding maximum horizontal dimensions of fireplace mantels or other combustible projections above the top front edge of the fireplace. See Figures 2 and 3 for other fireplace clearances.

Only non-combustible materials may be used to cover the black fireplace front.

WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR IN-LET/OUTLET GRILLES IN ANY MANNER.

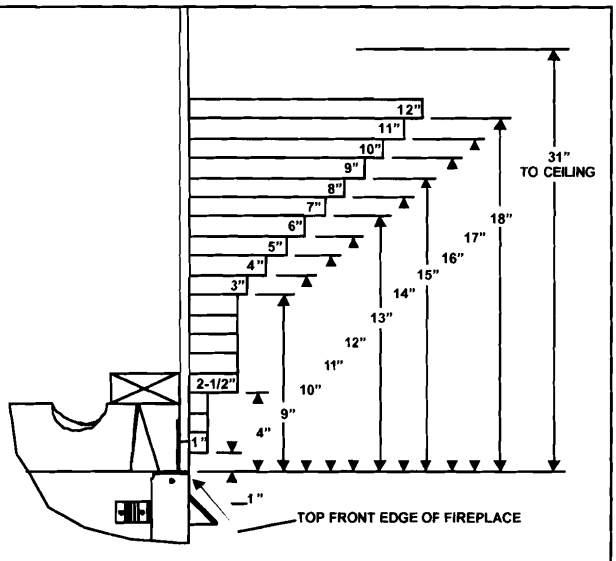


Figure 38.
Minimum Vertical and Maximum Horizontal Dimensions of Combustibles above Fireplace

Note: There are 3 metal tabs holding the non-combustible board in place for shipping. These tabs are to be cut off or bent back before finishing around the fireplace front.

CAUTION: IF JOINTS BETWEEN THE FINISHED WALLS AND THE FIREPLACE SURROUND (TOP AND SIDES) ARE SEALED, A 300° F. MINIMUM SEALANT MATERIAL MUST BE USED. THESE JOINTS ARE NOT REQUIRED TO BE SEALED. ONLY NON-COMBUSTIBLE MATERIAL (USING 300° F. MINIMUM ADHESIVE, IF NEEDED) CAN BE APPLIED AS FACING TO THE FIREPLACE SURROUND. SEE THE DIAGRAM BELOW.

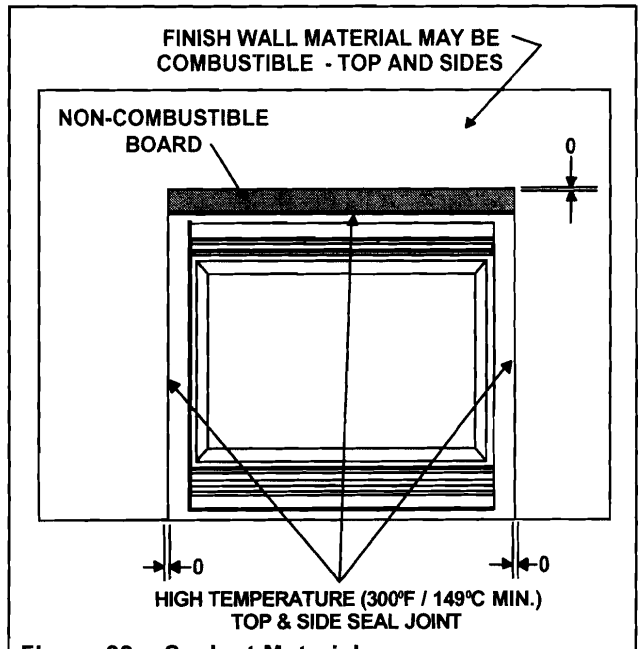


Figure 39. Sealant Material

Hearth Extensions

A hearth extension may be desirable for aesthetic reasons. However, ANSI or CAN/CGA testing standards **do not** require hearth extensions for gas fireplace appliances.

Step 11. Installing Trim, Logs, and Ember Material

Installing the Trim

Combustible materials may be brought up to the specified clearances on the side and top front edges of the fireplace, but **MUST NEVER** overlap onto the front face. The joints between the finished wall and the fireplace top and sides can only be sealed with a 300° F. (149° C) minimum sealant.

⚠ WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR IN-LET/OUTLET GRILLES IN ANY MANNER.

Install optional marble and brass trim surround kits as desired. Marble, brass, brick, tile, or other non-combustible materials can be used to cover up the gap between the sheet rock and the fireplace.

Do not obstruct or modify the air inlet/outlet grilles. When overlapping on both sides, leave enough space so that the bottom grille can be lowered and the trim door removed.

Positioning the Logs

If the gas logs have been factory installed they should not need to be positioned. If the logs have been packaged separately, refer to the instructions that accompany the logs. **Save the log instructions with this manual.**

If sooting occurs, the logs might need to be repositioned slightly to avoid excessive flame impingement.

Shutter Settings

	NG	LP
Left Log	1/2"	SET
Right Log	1/2"	SET
Burner	3/8"	FULL

Placing the Ember Material

Ember material is shipped with this gas fireplace. To place the ember material:

- Pull the four glass latches out of the groove on the glass frame. Remove glass door from the unit (see Figure 40).
- Embers CANNOT be placed directly over ports. Care should be taken not to cover the lighting trail of ports (from back to front).
- When placing embers onto the burner care should be taken so that the ports are not covered. Place the embers along side the port trail, but not on or in between the ports. Failure to follow this procedure will likely cause lighting and sooting problems.
- Save the remaining ember materials for use during fireplace servicing.
- Replace the glass door and a front trim door on the unit.
- Pull out and latch the glass clips into the groove on the glass frame.

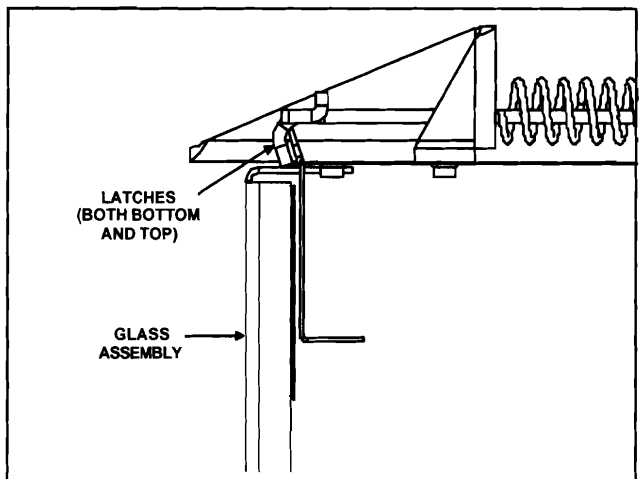


Figure 40. Glass Assembly

Glass Specifications:

6000TRXI-IPI: CERAMIC

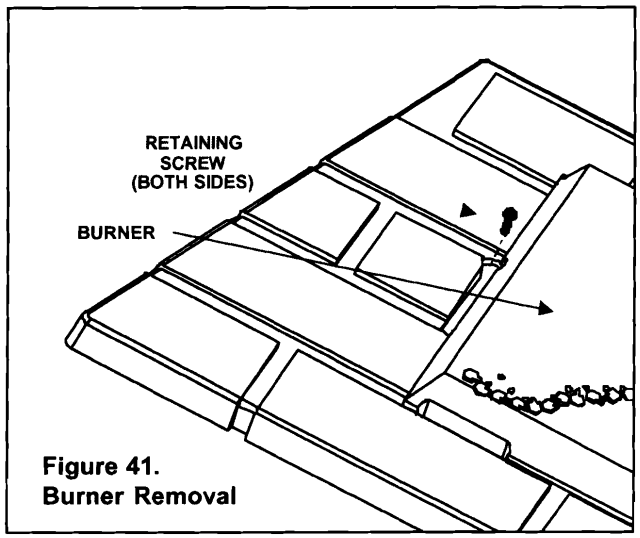


Figure 41. Burner Removal

Step 12. Before Lighting the Fireplace

Before lighting the fireplace, be sure to do the following:

Remove all paperwork from underneath the fireplace.

Review safety warnings and cautions

- Read the **Safety and Warning Information** section at the beginning of this *Installers Guide*.

Double-check for gas leaks

- Before lighting the fireplace, double-check the unit for possible gas leaks.

Double-check vent terminations and front grilles for obstructions.

- Before lighting the fireplace, double-check the unit for possible obstructions that could be blocking the vent terminations or the front grilles.

Double-check for faulty components

- Any component that is found to be faulty **MUST BE** replaced with an approved component. Tampering with the fireplace components is **DANGEROUS** and voids all warranties.

A small amount of air will be in the gas supply lines. When first lighting the fireplace, it will take a few minutes for the lines to purge themselves of this air. Once the purging is complete, the fireplace will light and will operate normally.

Subsequent lightings of the fireplace will not require this purging of air from the gas supply lines, **unless the gas valve has been turned to the OFF position**, in which case the air would have to be purged.

NOTE: The fireplace should be run 3 to 4 hours on the initial start-up. Turn it off and let it cool completely. Remove and clean the glass. Replace the glass and run the fireplace for an additional 8 hours. This will help to cure the products used in the paint and logs.

During this break-in period it is recommended that some windows in the house be opened for air circulation. This will help avoid setting off smoke detectors, and help eliminate any odors associated with the fireplace's initial burning.

Air Shutter Setting

This fireplace has an adjustable air shutter (which controls the primary air) factory set for the minimum vertical vent run (see Figure 42). If your installation has more than the minimum required vertical vent length, adjustment of the air shutter may be necessary to obtain optimal flame appearance. **This should be adjusted by a qualified installer at the time of installation.**

By pushing the air shutter handle in, you will be closing the air shutter. To adjust loosen the wing nut. Care should be taken when adjusting the air shutter so as not to cause the fireplace to soot. If sooting occurs the air shutter will need to be opened by pulling the handle out. When finished tighten wing nut.

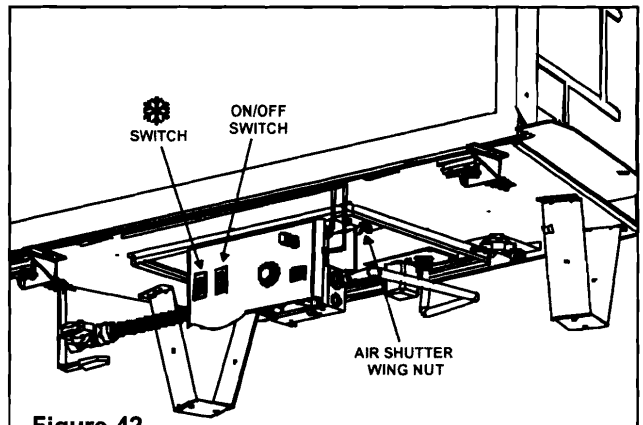


Figure 42.

Cold Climate Switch

If cold air infiltration, condensation, or frost on the glass is an issue due to cold climate, you may wish to operate the fireplace in cold climate mode.

To change your Intellifire ignition to be used in the cold climate mode remove the ON/OFF switch assembly from the manual bag (see Figure 42).

1. Remove the control panel assembly by taking out two screws with a 1/4" nut driver.
2. Insert the ON/OFF switch assembly into the control panel under the ❄ (see Figure 42).
3. Remove the remote/wall switch lead assembly with the brown wires attached from the original ON/OFF switch and plug into the ON/OFF switch in the cold climate location.
4. Disconnect the green wire from the valve and connect to the male terminal from your new ON/OFF switch assembly.
5. Connect the female wire from the new ON/OFF switch assembly to the valve where you just removed the previous green wire.

Cold Climate Use:

- To use as a cold climate switch, flip the ❄ switch to the "ON" position first to ignite pilot.
- Next, flip the ON/OFF "ON" to ignite the burner.
- To use a wall switch or remote in the cold climate mode, the wall switch must be connected to the remote/wall switch leads coming from the ON/OFF switch assembly, not to the ❄ leads.

Intellifire use when wired to use Cold Climate Switch:

- To change back to use in the Intellifire mode the wall switch or remote must be connected to the remote/wall switch leads from the ❄ switch.
- Flip the ON/OFF switch to the "ON" position; next flip the ❄ switch to the "ON" position.
- To use as Intellifire after wired for cold climate switch you must have the ON/OFF switch in the "ON" position.

Step 13. Lighting the Fireplace

You've reviewed all safety warnings, you've checked the fireplace for gas leaks, you know the vent system is unobstructed, and you've checked for faulty components. Now you're ready to light the fireplace.

⚠ WARNING: PLEASE REFER TO THE USER'S MANUAL FOR ALL CAUTIONS, SAFETY, AND WARNING INFORMATION PERTAINING TO THE LIGHTING AND OPERATION OF THE FIREPLACE.

Step 14 Climate Control

This model is equipped with a baffle which will allow you to control the usable heat output. The baffle control lever is located at the lower left corner of the unit behind the lower grille.

TOP VENTED: More Heat: Pull handle down and push back to close the damper. Less Heat: Pull handle forward and push up to open the damper.

REAR VENTED: More Heat: Pull handle forward and push up to close the damper. Less Heat: Pull handle down and push back to open the damper.

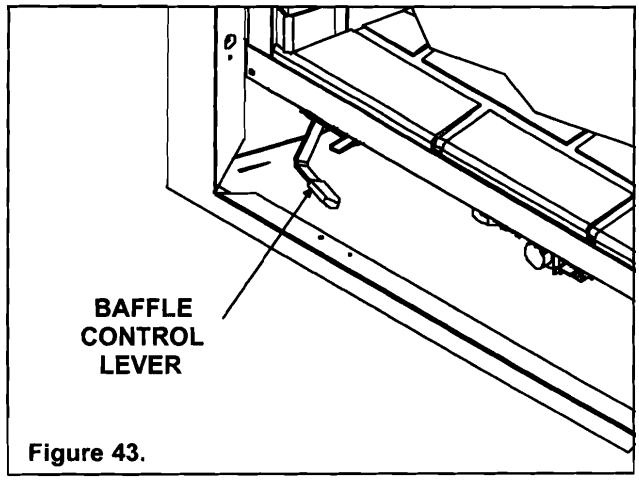


Figure 43.

After the Installation

⚠ LEAVE THIS INSTALLATION MANUAL WITH THE APPLIANCE FOR FUTURE REFERENCE.

4 Maintaining and Servicing Your Fireplace

Fireplace Maintenance

Although the frequency of your fireplace servicing and maintenance will depend on use and the type of installation, you should have a qualified service technician perform an appliance checkup at the beginning of each heating season. See the table below for specific guidelines regarding each fireplace maintenance task.

IMPORTANT: TURN OFF THE GAS BEFORE SERVICING YOUR FIREPLACE.

Replacing old ember material
Frequency: Once annually, during the checkup.
By: Qualified service technician.
Task: Brush away loose ember material near the burner. Replace old ember material with new dime-size and shape pieces. Save the remaining ember material and repeat this procedure at your next servicing. For more information, see **Placing Ember Material**.

Cleaning Burner and Controls
Frequency: Once annually.
By: Qualified service technician.
Task: Brush or vacuum the control compartment, fireplace logs and burner areas surrounding the logs.

Cleaning Flame Sensor Rod (IPI Systems)
Frequency: Periodically.
By: Qualified service technician.
Task: Make a visual check of the straight flame sensor rod (see Figure 32). Use emery cloth to carefully remove any existing film or white deposits.

Checking Flame Patterns, Flame Height
Frequency: Periodically.
By: Qualified service technician/Home owner.
Task: Make a visual check of your fireplace's flame patterns. Make sure the flames are steady - not lifting or floating. The thermopile/thermocouple tips should be covered with flame. See Figure 32.

Checking Vent System
Frequency: Before initial use and at least annually thereafter, more frequently if possible.
By: Qualified service technician/Home owner.
Task: Inspect the external vent cap on a regular basis to ensure that no debris is interfering with the flow of air. Inspect entire vent system for proper function.

Cleaning Glass Door
Frequency: After the first 3 to 4 hours of use. As necessary after initial cleaning.
By: Home owner.
Task: Remove and clean glass after the first 3 to 4 hours of use. After the initial cleaning, clean as necessary, particularly after adding new ember (flame colorant) material. Film deposits on the inside of the glass door should be cleaned off using a household glass cleaner. **NOTE: DO NOT handle or attempt to clean the door when it is hot and DO NOT use abrasive cleaners.**

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
04-1220		339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Brown, Dale	17 Meserve Cr. Portland	
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		HVAC	2-3

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
New Single Family Home	Single Family Home / Install MVN KIN 140M Boiler.	$75.00	$6,000.00	5

FIRE DEPT: ☐ Approved ☐ Denied

Signature:

INSPECTION:
Use Group: U Type: Heating

State Gas Reg's

Signature:

Proposed Project Description:
Install MVN KIN 140M Boiler.

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
ldobson	08/19/2004

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☐ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date:	Date:	Date:

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

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

Permit No:	Date Applied For:	CBL:
04-1220	08/19/2004	339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Brown, Dale	17 Meserve Cr. Portland	
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
Single Family Home / Install MVN KIN 140M Boiler.	Install MVN KIN 140M Boiler.

Dept: Zoning **Status:** Approved **Reviewer:** Tammy Munson **Approval Date:** 08/19/2004

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 08/19/2004

Note: **Ok to Issue:** ☑

1) The installation must comply with the State of Maine Gas Regulations.

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
04-1220	08/19/2004	339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
169 Broadway	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Brown, Dale	17 Meserve Cr. Portland	
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
Single Family Home / Install MVN KIN 140M Boiler.	Install MVN KIN 140M Boiler.

Dept: Zoning **Status:** Approved **Reviewer:** Tammy Munson **Approval Date:** 08/19/2004

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 08/19/2004

Note: **Ok to Issue:** ☑

1) The installation must comply with the State of Maine Gas Regulations.

FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT
HEATING OR POWER EQUIPMENT

339 L 003

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 339-L-030+031 Use of Building S.F.R. Date 7/31/04

Name and address of owner of appliance Michael & Angel Mitton

P.O. Box 2742 So. Portland Maine 04116

Installer's name and address DALE BROWN

17 MESERVE CR. Saco ME Telephone 207-286-1779

Location of appliance:

- ☒ Basement
- ☐ Floor
- ☐ Attic
- ☐ Roof

Type of Fuel:

- ☒ Gas
- ☐ Oil
- ☐ Solid

Appliance Name: LUVKIN 140M

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 # MS10007472
- ☒ Gas # PNT2464
- ☐ Other

Type of Chimney:

- ☐ Masonry Lined
  Factory built
- ☐ Metal
  Factory Built U.L. Listing #
- ☒ Direct Vent
  Type PVC UL# MH27745

Type of Fuel Tank

- ☐ Oil
- ☒ Gas

Size of Tank 120 gal 18

Number of Tanks 2

Distance from Tank to Center of Flame 17 **feet.**

Cost of Work: $ 6000.00

Permit Fee: $ 75.00

Approved

Fire:

Ele.:

Bldg.:

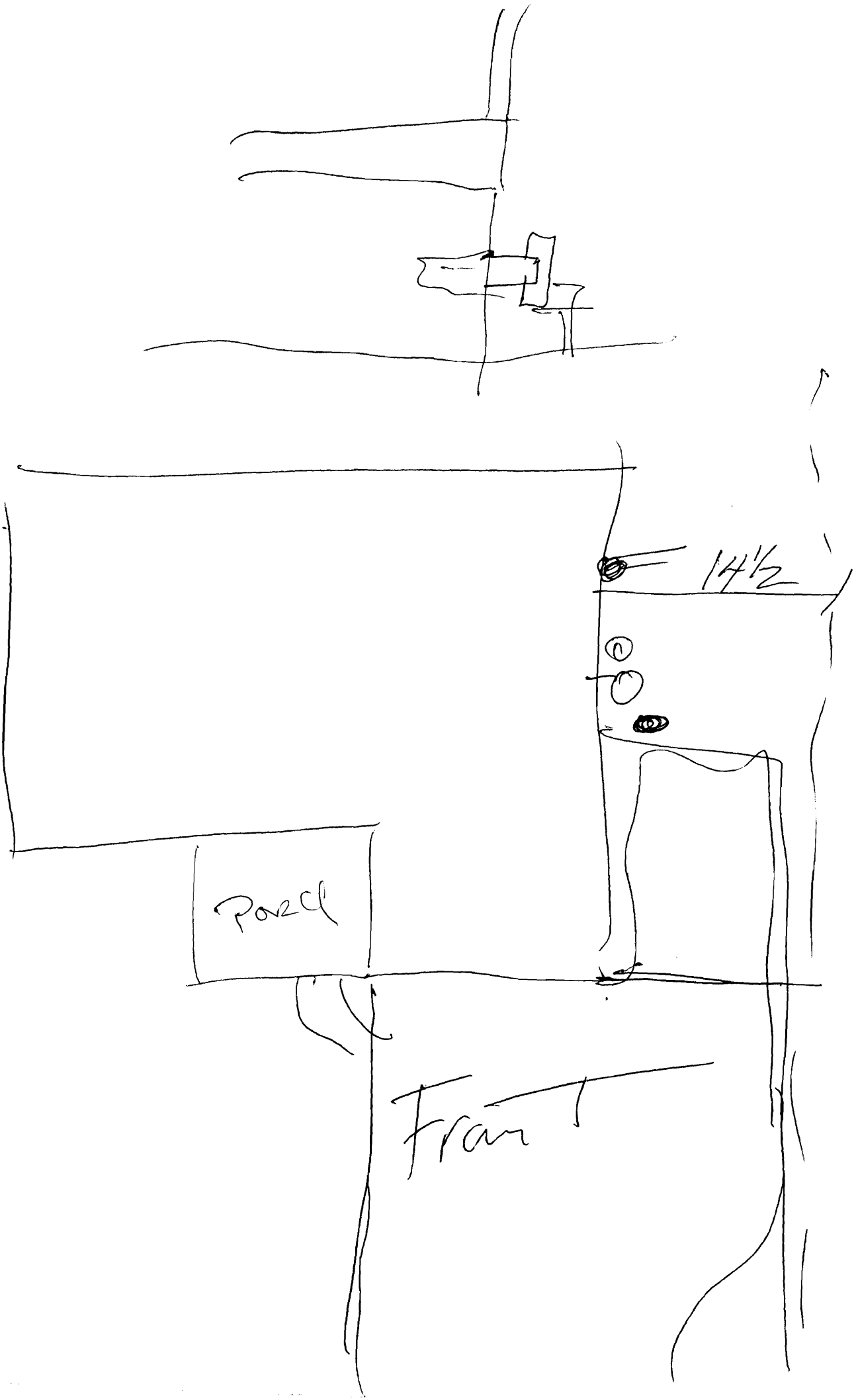
Approved with Conditions

☐ See attached letter or requirement

Inspector's Signature Date Approved

Signature of Installer Dale A Brown

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy


14½
Porch
Front

PLUMBING APPLICATION

Department of Human Sciences
Division of Health Engineering

PROPERTY ADDRESS

Town or Plantation	
Street Subdivision Lot #	10 [illegible] Street

PROPERTY OWNERS NAME

Last: [illegible] First: [illegible]

Applicant Name:	[illegible]
Mailing Address of Owner/Applicant (If Different)	[illegible]

PORTLAND
Date Permit Issued: 6/24/04
Local Plumbing Inspector Signature

8968 TOWN COPY
$ 110.00 FEE ☐ If Double Fee Charged
L.P.I. # 0641

339 4003

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspectors to deny a Permit.

Signature of Owner/Applicant — Date

Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Maine Plumbing Rules.

Local Plumbing Inspector Signature — Date Approved

PERMIT INFORMATION

This Application is for

1. ☑ NEW PLUMBING
2. ☐ RELOCATED PLUMBING

Type of Structure To Be Served:

1. ☑ SINGLE FAMILY DWELLING
2. ☐ MODULAR OR MOBILE HOME
3. ☐ MULTIPLE FAMILY DWELLING
4. ☐ OTHER – SPECIFY _____

Plumbing To Be Installed By:

1. ☐ MASTER PLUMBER
2. ☐ OIL BURNERMAN
3. ☐ MFG'D. HOUSING DEALER/MECHANIC
4. ☐ PUBLIC UTILITY EMPLOYEE
5. ☑ PROPERTY OWNER

LICENSE # [illegible]

Hook-Up & Piping Relocation (Maximum of 1 Hook-Up)	Column 2 Number	Column 2 Type of Fixture	Column 1 Number	Column 1 Type of Fixture
☐ HOOK-UP: to public sewer in those cases where the connection is not regulated and inspected by the local Sanitary District.	2	Hosebibb / Sillcock	2	Bathtub (and Shower)
OR		Floor Drain		Shower (Separate)
☐ HOOK-UP: to an existing subsurface wastewater disposal system.	1	Urinal	2	Sink
☐ PIPING RELOCATION: of sanitary lines, drains, and piping without new fixtures.		Drinking Fountain		Wash Basin
		Indirect Waste		Water Closet (Toilet)
		Water Treatment Softener, Filter, etc.		Clothes Washer
OR		Grease / Oil Separator		Dish Washer
☐ TRANSFER FEE [$6.00]		Dental Cuspidor		Garbage Disposal
		Bidet	1	Laundry Tub
		Other: _____	1	Water Heater
		Fixtures (Subtotal) Column 2		Fixtures (Subtotal) Column 1
				Fixtures (Subtotal) Column 2
				Total Fixtures
				Fixture Fee
				Transfer Fee
				Hook-Up & Relocation Fee
				Permit Fee (Total)

SEE PERMIT FEE SCHEDULE FOR CALCULATING FEE

TOWN COPY

46-52 9th ST 339-L-003

6/9/04 – Could Not find file When Call Came
in for 1st (footings/setback) Insp.

6/17/04 [illegible]
[illegible] – After Titcomb [illegible]

6/21/04 Rec'd Titcomb notice ok – notified
mike 'M' – ok to backfill

6/23/03 checked – underground plumbing ok to pour slab

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
04-1475		339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
48 Ninth Street	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Irving Oil	385 Main Street South Portland	2077728304
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		HVAC	R3

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
single family home	single family home w/ 2 new LP tanks	$30.00	$0.00	5

FIRE DEPT: ☐ Approved ☒ Denied

Signature:

INSPECTION: Use Group: H/cat Type: State Gas Reg's

Signature:

Proposed Project Description:
single family home w/ 2 new LP tanks

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☒ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
dmm	09/30/2004

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: OK 10/8/04	Date:	Date:

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 48 9th St. Use of Building Base Date

Name and address of owner of appliance Michael M. Hon

Installer's name and address Irving Corp. 385 Main St South Portland Permit to Set tank Only! Telephone 772 8304

Location of appliance:
- [X] Basement
- [ ] Floor
- [ ] Attic
- [ ] Roof

Type of Fuel:
- [X] Gas
- [ ] Oil
- [ ] Solid

Appliance Name: Munchkin Boiler

U.L. Approved [X] Yes [ ] No

Will appliance be installed in accordance with the manufacture's installation instructions? [X] Yes [ ] No

IF NO Explain:

The Type of License of Installer:
- [ ] Master Plumber #
- [ ] Solid Fuel #
- [ ] Oil #
- [X] Gas # PVT3803
- [ ] Other

Type of Chimney:
- [ ] Masonry Lined
  Factory built
- [ ] Metal
  Factory Built U.L. Listing #
- [ ] Direct Vent
  Type UL#

Type of Fuel Tank Install Tanks
- [ ] Oil
- [ ] Gas

Size of Tank 2-120 LP tanks

Number of Tanks 2

Distance from Tank to Center of Flame 30 feet.

Cost of Work: $

Permit Fee: $ 30.00

Approved

Fire:

Ele.:

Bldg.:

Approved with Conditions

- [ ] See attached letter or requirement

Inspector's Signature Date Approved

Signature of Installer Peter Rich Irving Corp. S.P. Branch

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
04-1475	09/30/2004	339 L003001

Location of Construction:	Owner Name:	Owner Address:	Phone:
48 Ninth Street	Nappi Ben J &	169 Broadway	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Irving Oil	385 Main Street South Portland	(207) 772-8304
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		HVAC	

Proposed Use:	Proposed Project Description:
single family home w/ 2 new LP tanks	single family home w/ 2 new LP tanks

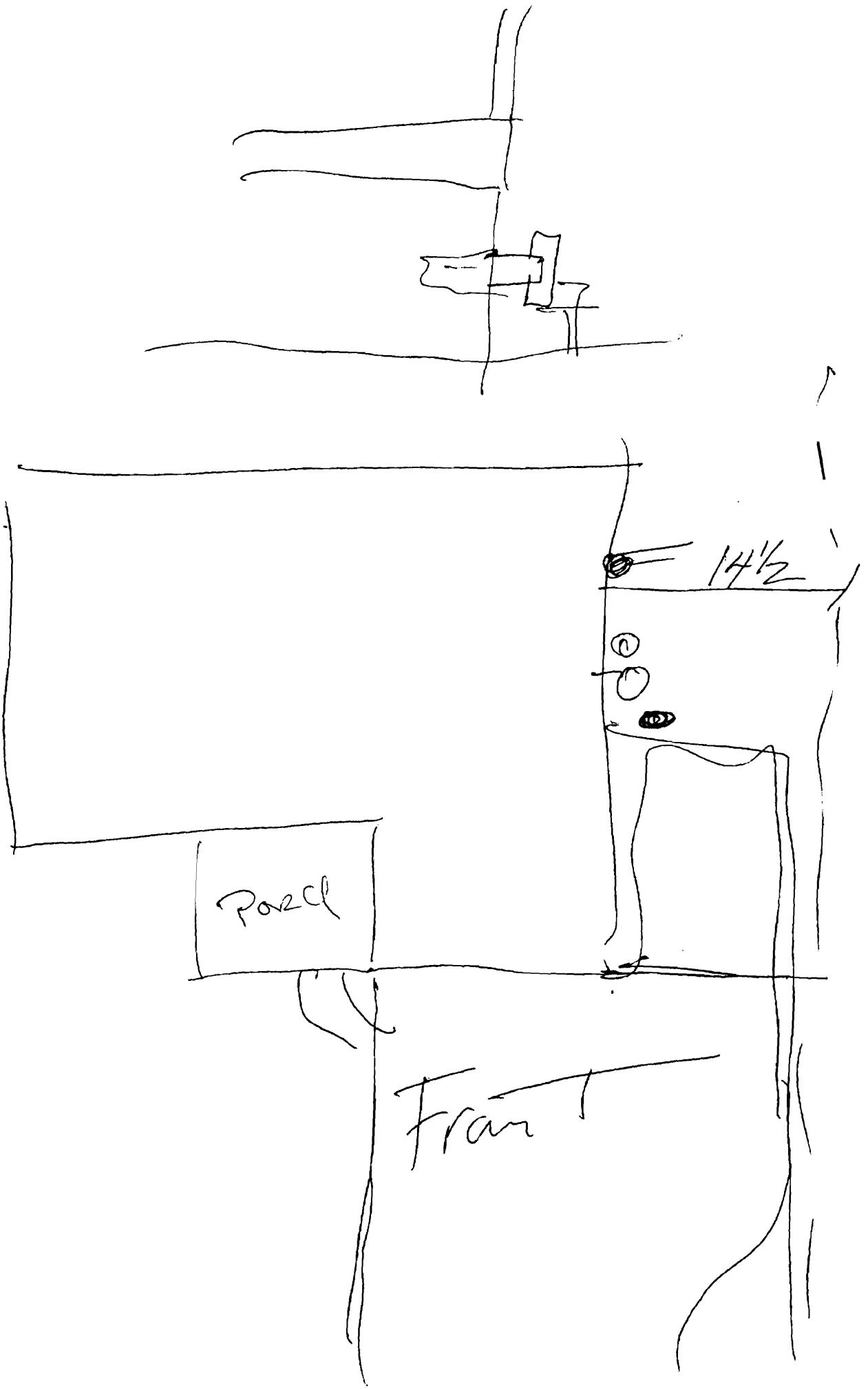
Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 10/08/2004

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 10/27/2004

Note: **Ok to Issue:** ☑

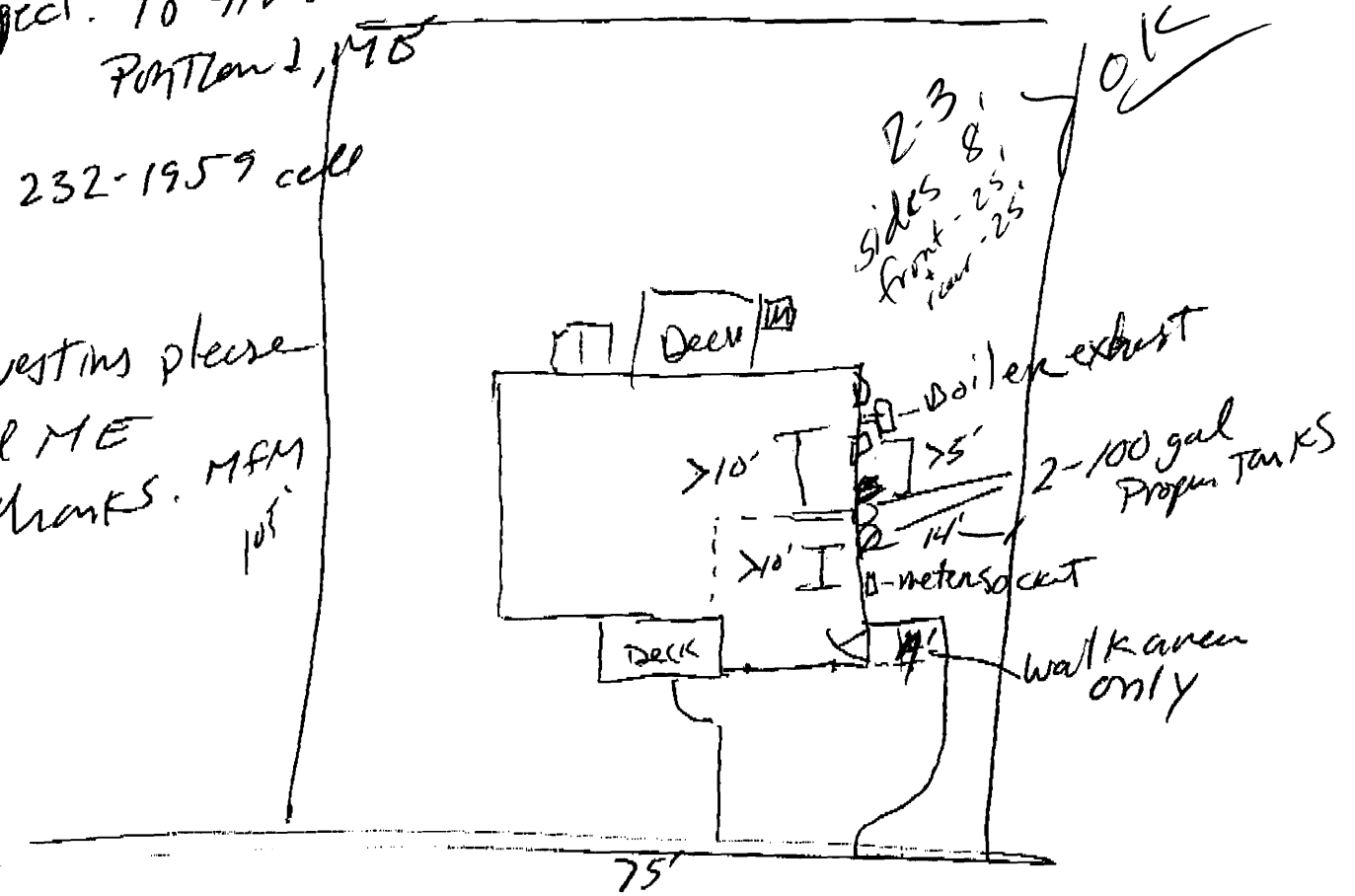
1) As discussed, the tanks must be located so they are NOT subject to vehicular traffic.


14½
Porch
Front

To: Tammy
From: MIKE Mitton
Project: 48 9th Street
Portlow 1, PEI

Phone 232-1959 cell

Any Questions please
Call ME
Thanks. MFM



9th street

Tanks will Be installed By
Irving corp!

8748716

75' Lot Frontage (-) 46' Bldg = 29 ÷ 2 sides 14½' on a side

Applicant:

Date: 5/10/04

Address: 46-52 Nineth ST

C-B-L: 339-L-003 } existing
004

CHECK-LIST AGAINST ZONING ORDINANCE

→ CofO by APPEAL 030
4/19/89 031

Date - splitting ANEXISTING lot with a 2 family on it

Zone Location - R-3

permit # 04-0420

Interior or corner lot -

Proposed Use/Work - to construct New Single family with Attached garage 30 x 46 22 x 22

Sewage Disposal - City

No Daylight Basement shown

Lot Street Frontage - 50' min req - 75.05' shown

Front Yard - 25' min req - 32' scaled to garage

Rear Yard - 25' min req - 26' scaled

Side Yard - 14' min - 14.5' & 15' shown

2 *Projections* - Rear ~~Deck~~ 10'x12' (Note stairs come off side NOT rear) - Rear Bulkhead 5'8"x8' Front porch → 7x12

Width of Lot - 75' min req - 75.05' shown

Height - 35' MAX - 24.75' scaled

Lot Area - 6,500 ☐' - 7,881 ☐' shown

Lot Coverage/ Impervious Surface - 25% MAX of 1970.25 ☐' MAX

Area per Family - 6,500 ☐' req

Off-street Parking - 2 req - 22 x 22 garage (2 spaces)

Loading Bays - N/A

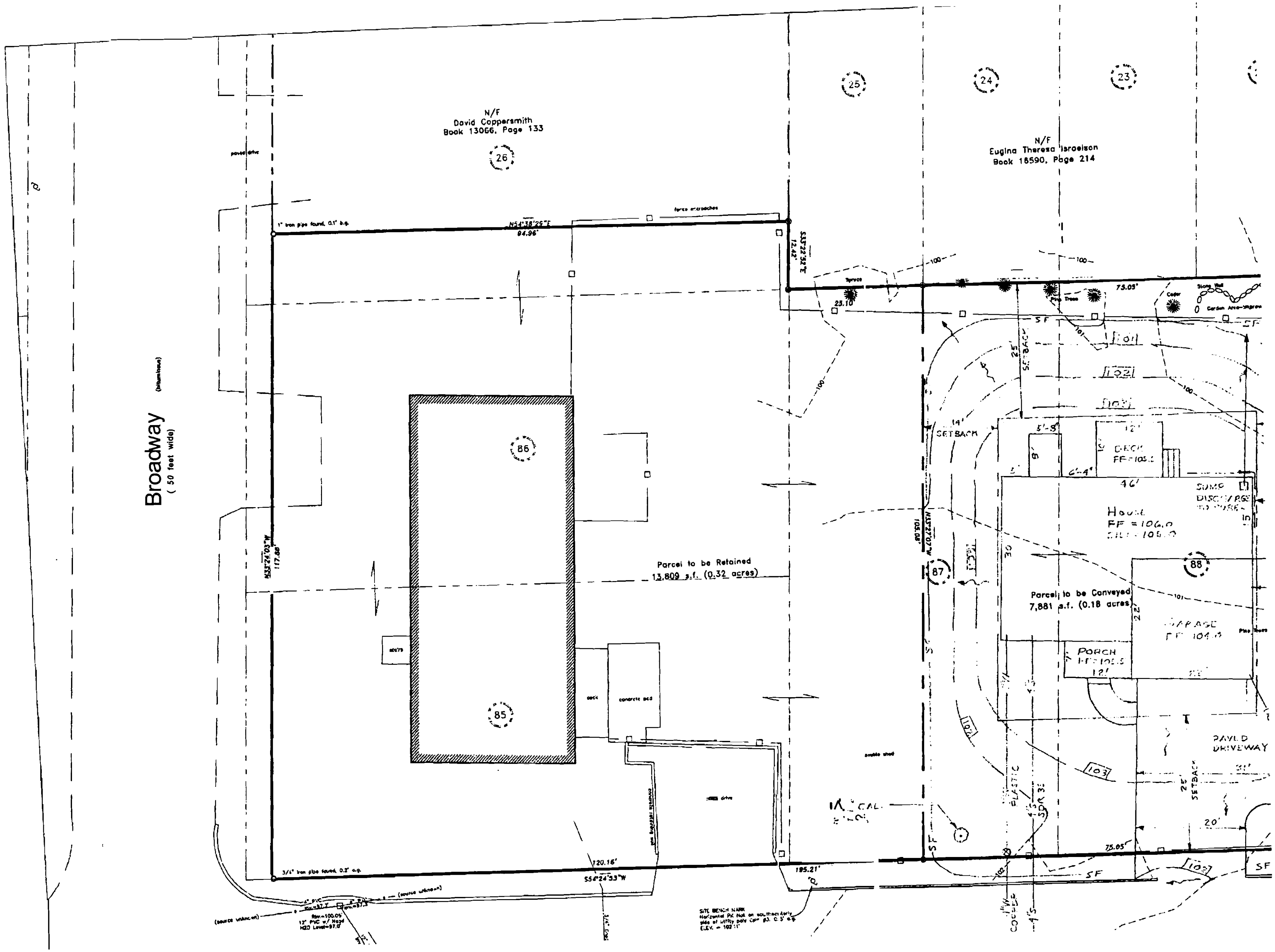
Site Plan - minor/minor # 2004-0071

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - panel 7 - Zone X

Driveway pavement shall be no closer than 5 feet for parking purposes

	30 x 46 =	1380
	5.66 x 8 =	45.28
	10 x 12 =	120
	7 x 12 =	84
garage ext	7 x 22 =	154
rear deck stairs	3 x 5 =	15
		1798.28


N/F
David Coppersmith
Book 13066, Page 133
N/F
Eugina Theresa Israelson
Book 18590, Page 214
Broadway
(50 feet wide)
N54°38'25"E
84.96'
S54°24'53"W
120.16'
195.21'
75.05'
Parcel to be Retained
13,809 s.f. (0.32 acres)
Parcel to be Conveyed
7,881 s.f. (0.18 acres)
House
FF = 106.0
Garage
Porch
Deck
Paved Driveway
Setback
concrete pad

ATTN: Kevin Carrol

Titcomb Associates

Land Surveying
Land Planning

133 Gray Road
Falmouth, Maine 04105-2029
(207) 797-9199
Fax (207) 878-3142

Bath (207) 442-7798
New Gloucester (207) 926-4699

KEVIN CARROL
Building Inspector

Post-it® Fax Note 7671	Date 6/18/04	# of pages ▶
To ~~Michael Mitton~~	From Bill Acheson	
Co./Dept.	Co. Titcomb Assoc.	
Phone #	Phone # 797-9199	
Fax # ~~797-0115~~	Fax #	

June 18, 2004

To Whom it may concern
Code Enforcement Office
City of Portland
389 Congress Street
Portland, Maine 04101

re: New building location on Ninth Street, Portland Maine, Tax Map 339, Block L, Lots 6-8 (+/-).

Dear Sir or Madam:

The above described property is currently owned by Michael Mitton, P.O. Box 2742, South Portland, Maine 04116-2742. The lot in question is shown on a plan entitled, "Existing Conditions-Parcel to be Conveyed," made for Michael Mitton by Titcomb Associates dated March, 19, 2004.

Based on field work performed on June 16, 2004 we find the building foundation to be located within the property as follows. The corner closest to the right of way of Ninth Street is 31.0' from the right of way. The sides of the foundation were found to be 14.5' from either lot sideline. The corner closest to the rear lot line is 30.2' from the rear line.

Please call if you have any further questions.

This is from The Left Side of The Bulkhead.

Sincerely,

William J. Acheson

William J. Acheson, PLS

The Dimensions are Consistent with PLOT plan,

Please Call MIKE Mitton 232.1959

ATTN: Kevin Carrol

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Faxed 6/21/04 6:27 am

KEVIN CARROL
Building inspector

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William J. Acheson, PLS

The Dimensions are Consistent with plot plan,

Please Call MIKE Mitton 232-1959 Luke M. 6/22/0410