

Form# P04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
Permit Number: 041816
DEC 15 2004
RECEIVED

This is to certify that Pjh Associates Limited/Brev Fine Woodworking
has permission to install Gas Fireplace insert w mohoga
AT 1050 Westbrook St 210A A005001

provided that the person or persons form or reception accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, 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.

Notification of inspection must be given and when permission proceed before this building or part thereof is started or otherwise closed-in. 4 HOUR NOT REQUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept. [Signature]
Health Dept. _____
Appeal Board _____
Other _____
Department Name

[Signature] 12/14/04
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	DEPT. OF BUILDING INSPECTION CITY OF PORTLAND, ME
04-1816	210A A005001

Location of Construction: 1050 Westbrook St	Owner Name: Pjh Associates Limited	Owner Address: 1050 Westbrook St	Issue Date: DEC 15 2004	Phone:
Business Name:	Contractor Name: Brewer Fine Woodworking	Contractor Address: 91 Bell Street Portland	Phone:	2077977534
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone:	

Past Use: Commercial Hotel	Proposed Use: Commercial Hotel / install Gas Fireplace insert with mohogany mantel	Permit Fee: \$75.00	Cost of Work: \$6,000.00	CEO District: 3
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Proposed Project Description: n stall Gas Fireplace insert with mohogany mantel	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: HVAC Type: 12/14/04
	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
	PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	
	Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	
	Signature:	Date:

Permit Taken By: Idobson	Date Applied For: 12/10/2004	Zoning Approval		
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<p>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date:	<p>Zoning Appeal</p> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	<p>Historic Preservation</p> <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

City of Portland, Maine - Building or Use Permit

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

Permit No: 04-1816	Date Applied For: 12/10/2004	CBL: 210A A005001
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Location of Construction: 1050 Westbrook St	Owner Name: Pjh Associates Limited	Owner Address: 1050 Westbrook St	Phone:
Business Name:	Contractor Name: Brewer Fine Woodworking	Contractor Address: 91 Bell Street Portland	Phone (207) 797-7534
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Commercial Hotel / install Gas Fireplace insert with mohogany mantel	install Gas Fireplace insert with mohogany mantel
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Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 12/14/2004

Note: **Ok to Issue:**

1) Installation shall comply with 2003 International Mechanical Code and State of Maine Gas Laws and Rules

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Lt. MacDougal **Approval Date:** 12/13/2004

Note: **Ok to Issue:**

1) the fireplace shall be installed in accordance with the manufacturers recommendation



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 1050 WESTBROOK ST Use of Building Hotel Date 12-9-04

Name and address of owner of appliance Embassy Suites -

Installer's name and address DARLING Plumbing & Heating 27 Hannah Ave
Portland, ME Telephone 329-6186

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: MENOSTA DXV-45

U.L. Approved Yes No

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

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT 473
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

CI Metal

Factory Built U.L. Listing # _____

Direct Vent

Type Simpson Duravent U.L.# _____

UL 712 B1

Type of Fuel Tank

- Oil
- Gas NATURAL

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ _____

Permit Fee: \$ Inc w/ Building & Permit

Approved

Approved with Conditions

Fire: [Signature]

Ele.: [Signature]

Bldg.: [Signature]

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Tom Darling

All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Total Square Footage of Proposed Structure		Square Footage of Lot	
Chart# <u>210</u>	Block# <u>AA</u>	Lot# <u>5</u>	Owner: <u>P.J.H. ASSOCIATES</u>
Lessee/Buyer's Name (If Applicable) Embassy Suites Hotel <u>P.J.H. ASSOCIATES</u>			Telephone:
Applicant name, address & telephone: <u>BREWER FINE Woodworking INC.</u>		cost Of Work: \$ <u>6,000</u> Fee: \$ <u>1500</u>	
Current use: <u>LOBBY</u>			
If the location is currently vacant, what was prior use: _____			
Approximately how long has it been vacant: _____			
Proposed use: <u>GAS FIREPLACE INSERT w/ multi-gang mantel</u>			
Project description: _____			
Contractor's name, address & telephone: <u>M.R. BREWER FINE Woodworking INC.</u> <u>91 BELL ST PORTLAND, ME 797 7534</u>			
Who should we contact when the permit is ready: <u>MALCOLM BREWER</u>			
Mailing address: <u>91 BELL ST</u> <u>PORTLAND, ME</u>			
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: 797-7534			

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

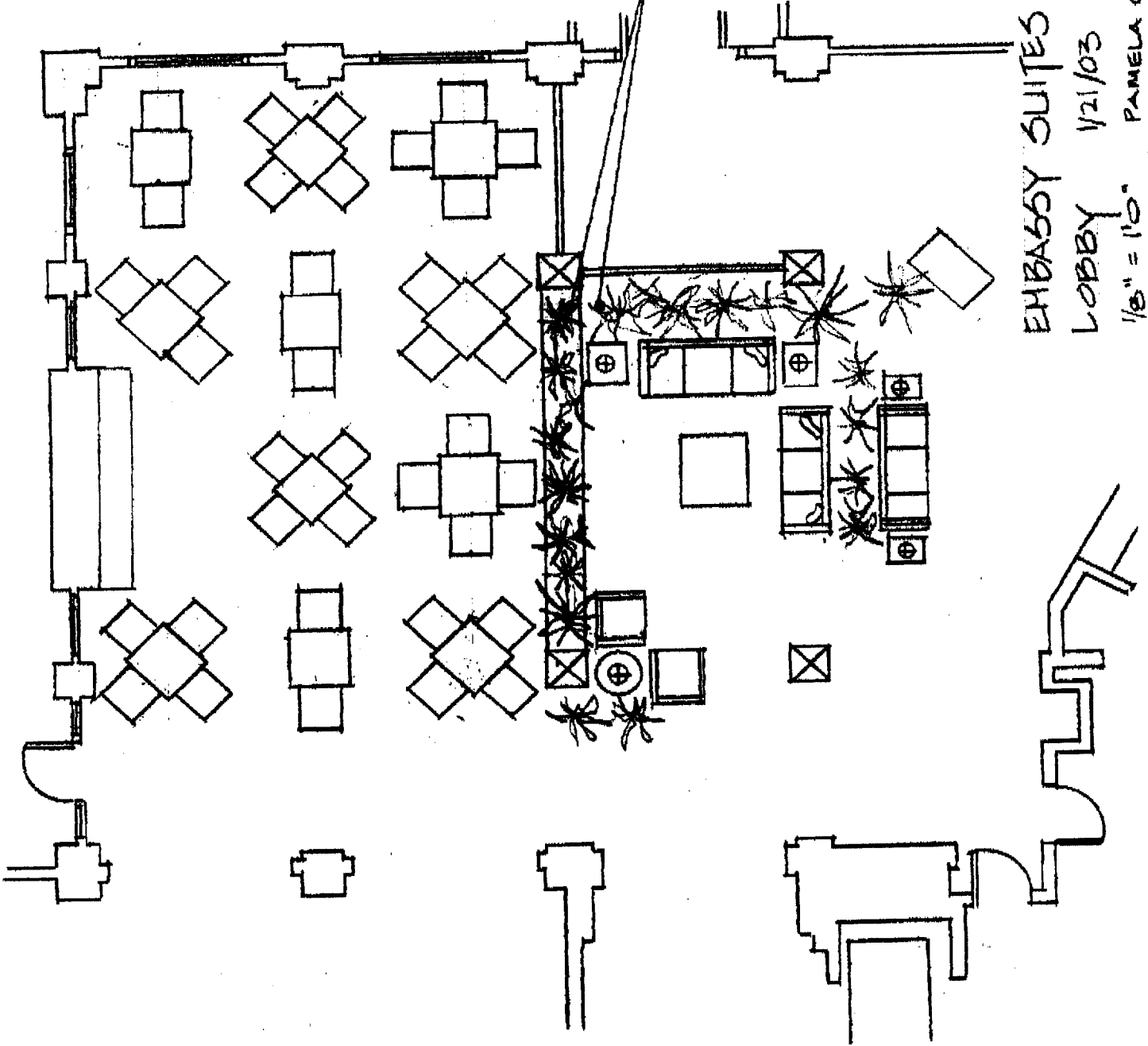
I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>Malcolm R Brewer</u>	Date: <u>12-9-04</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall

CHAIRS SHOWN
FULLY EXTENDED

MOVEABLE
PLANTERS



EMBASSY SUITES

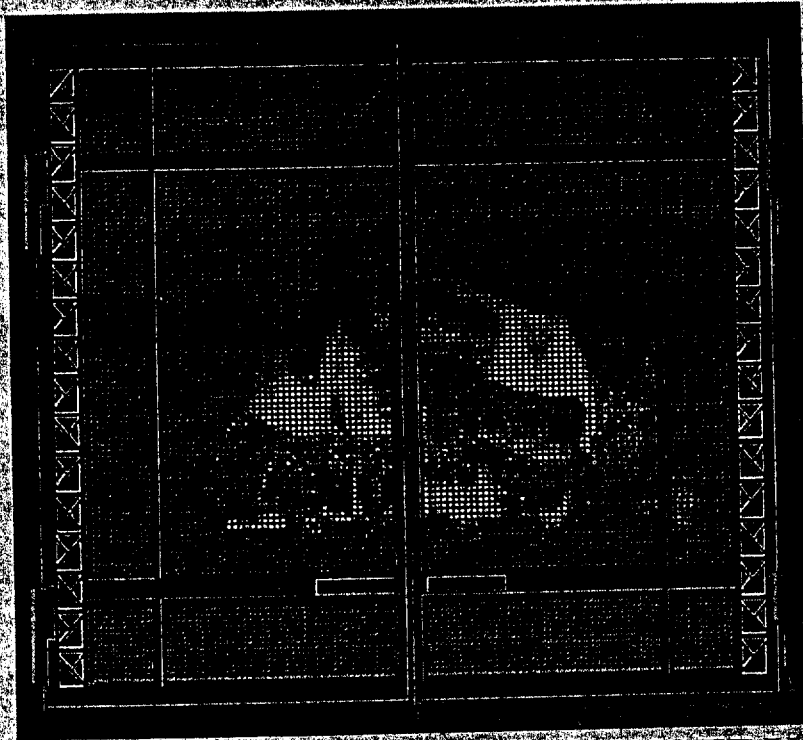
LOBBY 1/21/03 REVISED 12/7/04

1/8" = 1'0"
PAMELA G. LEACH, A.S.I.D.
STATE CERTIFIED INTERIOR DESIGNER

MENDOTA GAS DIRECT VENT FIREPLACE

Model DXY-45

SHOWN WITH OPTIONAL PRAIRIE DOOR KIT AND OVERLAY



INSTALLATION & OPERATING INSTRUCTIONS

NO. 0802



WARNING: This product must be installed by a licensed plumber or gas fitter when installed in the commonwealth of Massachusetts. 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.

FOR YOUR SAFETY

IF YOU SMELL GAS

1. OPEN WINDOWS.
2. DO NOT TOUCH ELECTRICAL SWITCHES.
3. DO NOT TRY TO LIGHT ANY APPLIANCE.
4. EXTINGUISH ANY OPEN FLAME.
5. DO NOT USE THE PHONE IN YOUR BUILDING.
6. IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE.
7. FOLLOW THE GAS SUPPLIER'S INSTRUCTIONS.
8. IF YOU CANNOT REACH YOUR GAS SUPPLIER, CALL THE FIRE DEPARTMENT.

FOR YOUR SAFETY

INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY, OR THE GAS SUPPLIER. DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WARNING: DO NOT OPERATE THIS APPLIANCE WITH THE GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF GLASS SHOULD BE DONE BY A LICENSED OR QUALIFIED PERSON.

WARNING: MENDOTA GAS FIREPLACES ARE HEAT PRODUCING APPLIANCES. DO NOT BURN WOOD, PAPER OR OTHER MATERIALS IN THE FIREPLACE. THE FIREPLACE IS DESIGNED AS A SUPPLEMENTAL HEAT SOURCE. IT IS ADVISABLE TO HAVE AN ALTERNATE HEAT SOURCE.

WARNING: IF THE INFORMATION IN THIS MANUAL IS FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

IMPORTANT: THESE INSTRUCTIONS ARE TO REMAIN WITH THE HOME OWNER!

CONGRATULATIONS!

You are the owner of a world class, heat producing, gas, direct vent, sealed combustion fireplace.

This elegant, highly efficient Fireplace will be a constant source of comfort and fascination. It will be the focal point of beauty and interest in your home.

The Mendota Gas Fireplace is a true heating appliance incorporating the traditional aesthetics of fireplace fire viewing with the controllability and fuel efficiency of a home gas furnace. Of particular interest is the low fuel consumption and brilliant fire viewing afforded by the realistic, Deep Timber, wood fire-like combustion system.

Carefully read the following instructions prior to actual installation. Proper Mendota Gas Fireplace installation and operation will give you years of safe trouble free comfort and enjoyment.

If you have any questions regarding installation or operation of your Mendota Fireplace please contact your local dealer

.....CAUTION.....

FOR YOUR SAFETY do not install or operate your Mendota Gas Fireplace without first reading and understanding this manual. Any installation or operational deviation from this manual voids the Mendota Gas Fireplace Warranty and may prove hazardous!

Due to high temperatures, the Fireplace should be located out of traffic and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the Mendota Gas Fireplace.

Clothing or other flammable material should not be placed on or near the Fireplace.

The Mendota Gas Fireplace is a powerful, efficient heating unit. It has been designed as a major source of supplemental heat. As with any mechanical appliance there can be component shut downs. It is advisable to have an alternate heat supply.

Installation, repair and any adjustments to logs or burner must be done by a qualified service person. The Fireplace should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, carbon build-up, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean. The burner and pilot flames and logs should be visually checked periodically.

DO NOT use this Fireplace if any part has been under water or exposed to moisture corrosion. Immediately call a qualified service technician to inspect the Fireplace and replace any part of the control system and any gas control, which has been under water. DO NOT use this fireplace if the burner does not light immediately. Turn unit off and call Mendota approved service person if there is any delay in burner light off.

It is Johnson Gas Appliance Company's policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation, installation or servicing procedures.

BUILDING PERMIT AND INSTALLATION INSPECTION APPROVAL REQUIREMENTS

All installations of Mendota Fireplaces and Inserts must comply with all the requirements stated in this Installation and Operating Instructions Manual. The Dealer and/or installer must also obtain all required Building Permits and Inspection Approval from the local building inspection department or the local body having jurisdiction. In order to validate warranty coverage, Mendota may require facsimile copies of the Building Permit and Inspection Approval forms. Failure to provide adequate proof that the installation conforms to all local requirements and the requirements stated in the Installation and Operating Instructions Manual will void all applicable warranty.

LOCATING THE FIREPLACE AND GENERAL INFORMATION

Your Mendota Gas Fireplace has a state-of-the-art co-axial direct vent, sealed combustion system. This advanced, highly efficient system brings in outside air for combustion, has a separate exhaust vent and efficiently heats and re-circulates room air. The Mendota system maintains high air quality, maximizes efficiency and assures proper operation.

SAFETY AND STRUCTURAL CONCERNS:

The DXV Fireplace must be installed and serviced by a Mendota approved service person. Any adjustments to burner, pilot, logs or coal bed must be made by a Mendota approved service person. Pilot flame must be checked with voltmeter. Pilot flame must register a minimum of 250 on millivolt meter. If pilot goes out always wait five (5) minutes before relighting pilot. Always remove the glass door when lighting the pilot. The burner must light immediately & the flame must travel promptly and smoothly around "curve" and light entire burner. The flame must not "lift off" burner. All vent pipe sections must be "twist locked" and leak proof.

The Mendota Direct Vent Fireplace may be placed within inches of adjacent sidewalls. (See FIGURE 1 on pg. 4). The fireplace may be placed directly on concrete or wood flooring. If the appliance is to be installed on carpeting, vinyl or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance. Combustible mantels must be installed as per FIGURE 1 on pg. 4. Non-combustible (marble, brick, stone, etc.) mantels or mantels with steel protector plate on underside may be installed at any desired height above upper grill.

NEVER BLOCK OFF UPPER OR LOWER GRILLS. ALWAYS USE MENDOTA GRILLS, MENDOTA APPROVED VENT SYSTEMS AND MENDOTA APPROVED VENT CAPS. SEE PAGE 8-15 FOR SPECIFIC VENTING INFORMATION.

VENTING REQUIREMENTS:

Use only Mendota specified vents and vent caps when installing your fireplace. Closely follow venting locations, directions and requirements (see pages 8-15). Observe the restrictions relating to vent position on exterior of home (see pg. 8).

HEATING PERFORMANCE:

Mendota Gas Built-in Fireplaces are true, high efficiency gas heaters. With its high heat output the Mendota Fireplace will heat a large area of your home if situated to maximize heat circulation. Air movement options for maximizing heat circulation which can be considered are through-the-wall grills or floor grills, the continuous operation of central heating furnace blowers, or ceiling fan. **The most efficient method for overall heat distribution is a ceiling fan.** The heat output of the Fireplace can be reduced down to 22,500 BTUH by slowly turning the Hi/Lo temperature knob on the gas valve counter clockwise from "Hi" to "Lo". Further reduction of heat output, down to 6,500 BTUH, can be achieved by turning off the rear burner using the switch provided behind the lower grill. The blower can also be turned down to reduce heat output.

AESTHETIC CONSIDERATIONS:

Burning or static fireplaces are a major aesthetic focus in any room. Locate your gas fireplace as you would a television set. The Mendota Hearth Gas Fireplace will be a continuing source of comfort and fascination. Corner installations will afford you the greatest potential for viewing in many rooms.

HEARTH PROTECTION REQUIREMENTS: A non-combustible hearth protector is required and must extend a minimum of 14" in front of the fireplace (see Figure 1 on pg. 4 for raised hearths). We suggest installing the Mendota Fireplace 6 to 12 inches above the floor by utilizing an elevated hearth.

CAUTION: If you intend to install either the Andover Door Front or the Prairie Door Front on this fireplace, make certain that the top surface of the hearth protector is flush with the bottom surface of the fireplace, no higher. Failure to follow this guideline will prevent proper mounting and function of these two Fronts. See Page 16 for specific details.

ELECTRICAL REQUIREMENTS:

A blower is standard on your Mendota Direct Vent Fireplace; A 120 volt electrical service must be supplied at the fireplace location at the time of installation. It must be electrically grounded in accordance with local codes or in their absence with current edition of the National Electric Code ANSI/NFPA 70. Power supply to blower must be continuous. DO NOT use switch or variable control in power supplied to fireplace.

The blower on this appliance is equipped with a three-prong plug for protection against shock hazard and should be plugged directly into the grounded three-prong receptacle provided with the fireplace. **Do not cut or remove the grounding prong from the plug.**

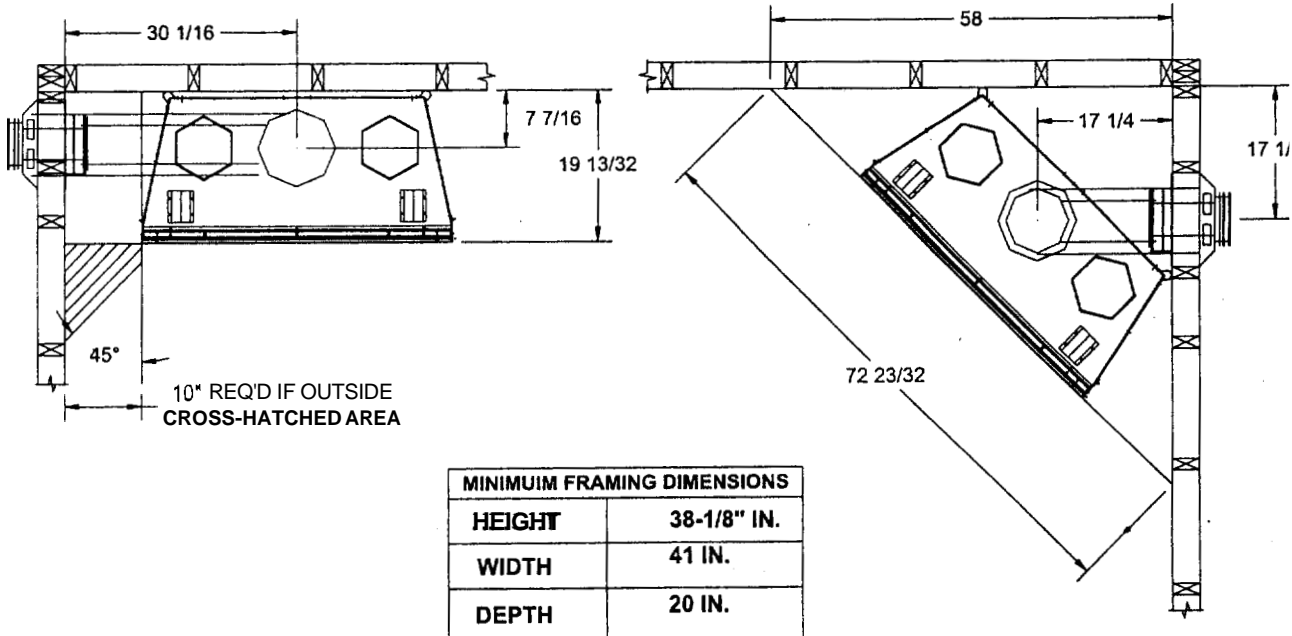
NOTE: The blower output can be adjusted with the rheostat. There will be delays in blower operation during "heat-up" (approx. ½ hr.) and extended blower operation during "cool-down" (approx. ½ hr.) of unit (see Blower Wiring Diagram pg. 28).

Thermostat wire should be run from desired thermostat location (or "on/off") switch to the fireplace terminals (located behind lower grill) - see thermostat installation section (pg.27).

DXV-45 GAS DIRECT VENT FIREPLACE

SPECIFICATIONS & CLEARANCES

DIRECT VENT SIZE: 5" I.D., 8" O.D.



MINIMUM FRAMING DIMENSIONS	
HEIGHT	38-1/8" IN.
WIDTH	41 IN.
DEPTH	20 IN.

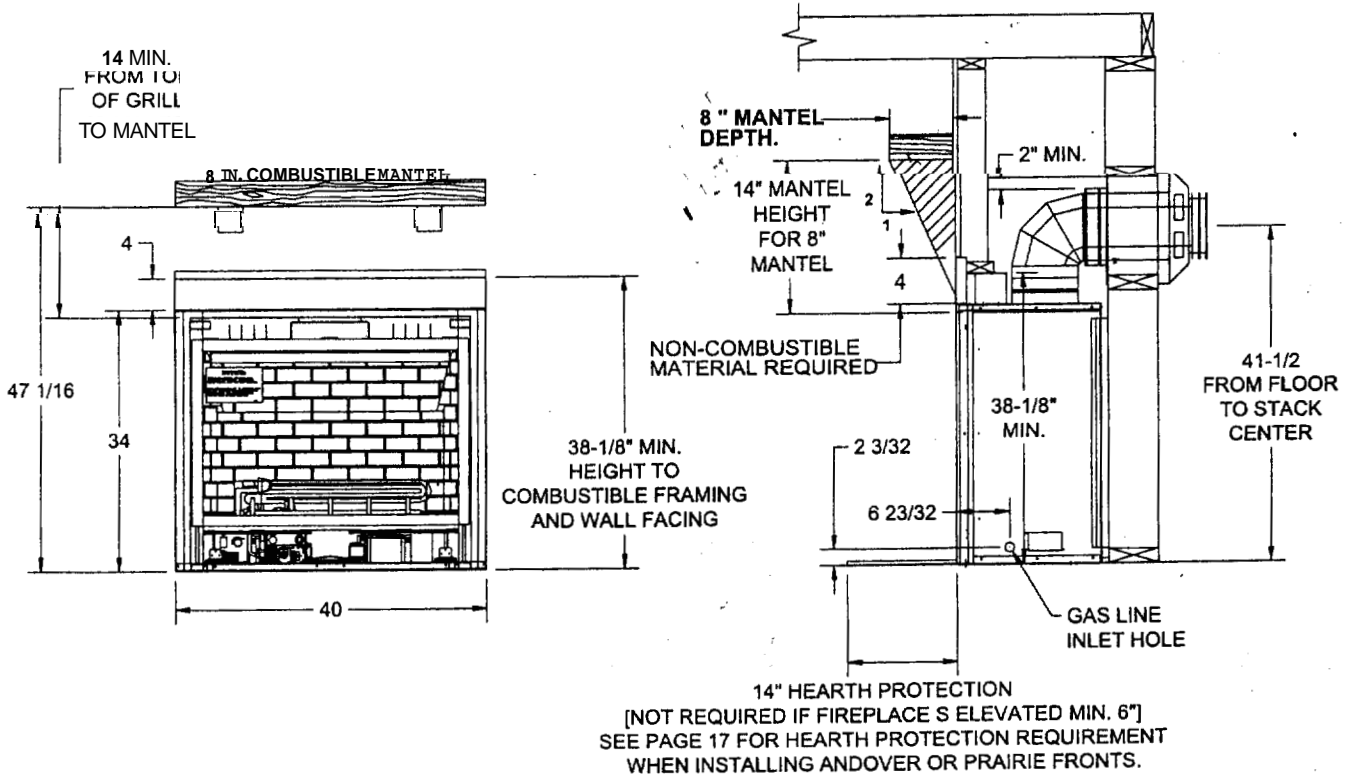


FIGURE 1: Specifications & Clearances

INSTALLATION INSTRUCTIONS

CAUTION: Each installation must conform to all local, state and national codes. Refer to the national fuel gas code and local zoning and code authorities for details on installation requirements. The Mendota Fireplace must be vented to the outside in accordance with the latest edition of the National Fuel Gas Code. In the absence of local codes, the installation must conform with the most current edition of the National Fuel Gas Code ANSI Z223.1, also known as NFPA 54.
NOTE: The Mendota DXV Fireplace is approved for mobile home and bedroom installations.

CAUTION: The Mendota DXV Fireplace may be installed in a manufactured (mobile) homes after the first sale of the home. Manufactured home (mobile home) installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or, when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI A225.1/NFPA SOIA, or CSA Z240.4-Gas Equipped Mobile Housing. Consult your local building official.
Note: For mobile home installations unit must be bolted to the floor and properly grounded.

1. After selection of the desired fireplace location (see pg. 3), prepare the rough opening using framing dimensions on page 4. Prepare opening to allow for co-axial vent (see "Flue Venting Instructions" on pgs. 8 -15).
2. Check to make certain all venting requirements and locations are being followed. (See pg 8 -15).
3. The Fireplace is designed to be installed into rough framing. The drywall will cover the adjustable nailing flanges on the Fireplace sides. Before sliding the Fireplace into the framed opening, adjust the nailing flanges to accommodate the thickness of the wall material. **NOTE:** FRAMING MATERIAL ABOVE FIREPLACE MUST MAINTAIN CORRECT CLEARANCES TO VENT PIPE.
4. Slide Fireplace into the rough framed opening. When finishing the unit, combustible materials may overlay nailing flanges and come in contact with the side edges of the black front surface, but may not overlay the 2" black surface. A 40-1/8" x 4" Top Screw Strip (part #HA-41-00015) is supplied with the fireplace and must be installed on the top of this fireplace. The Top Screw Strip provides a 4" clearance to combustible materials at the top of the fireplace. See Page 4 for specific details. Combustible wall covering materials may only be installed down to the top flat edge of the Top Screw Strip. Noncombustible boards such as "Dura-Rock" or "wonder board" can be installed on top of the face of the Top Screw Strip and on top of the rest of the black face of the fireplace. Noncombustible material, such as marble or brick, can be installed over the 2" black surface up to the inside edges of black frame only if some Designer Fronts are to be installed. See Page 16 for specific details and exceptions. Rough framing can come no closer to unit than the stand-offs.
5. Level the Fireplace and secure into opening by nailing through the nailing flanges on cabinet side panels. Holes are provided in fireplace floor behind grill to lagscrew fireplace to floor, **if** required.
NOTE: A removable panel in the enclosure for future visual inspection of the flue connection is recommended
6. Have an electrician install a 120 Volt supply to the junction box on lower left side of the fireplace cabinet. Connect wires to the duplex outlet. This duplex outlet is removable from outside of cabinet for easy wiring. Make sure the outlet is properly grounded and that the installation conforms to all local and national wiring codes. See "Blower Operation" below, Blower Wiring Diagram pg. 28 and "Electrical Requirements" pg. 3.
7. Have gas supplier **or** qualified plumber install gas supply **line** to fireplace and connect to gas nipple. Be sure gas and plumbing instructions (see pgs. 6-7) and all local and national codes are carefully followed. Carefully check for gas leaks and for proper gas pressure.

IMPORTANT: Any safety screen, guard, glass, grill, pressure relief cap, etc. removed for servicing a fireplace/room heater must be replaced prior to operating the fireplace/room heater.

BLOWER OPERATION

The Mendota DXV Fireplace is designed so the blower operates continually when main burner is on. The blower output can be regulated with the rheostat (included). **NOTE:** There will be a time delay in blower operation during "heat-up" (approx. 1/2 hour) and extended blower operation during "cool-down" of unit. (Approx. 1/2 hour).

OPERATION DURING POWER OUTAGES

The fireplace is designed to operate during power outages. The blower will not operate, but natural convection can be improved by removing the upper Millenia grills, opening the Andover and Prairie Doors and opening the Wellington Screens.

GAS SUPPLY REQUIREMENTS

CORRECT GAS PRESSURE AND PROPER GAS SUPPLY LINE SIZING IS IMPERATIVE TO THE SUCCESSFUL PERFORMANCE OF YOUR MENDOTA GAS FIREPLACE: BE SURE THE GAS SUPPLIER OR PLUMBER CAREFULLY CHECKS FOR CORRECT GAS PRESSURE AND GAS LINE SIZING WHEN INSTALLING THE FIREPLACE.

IT IS CRITICAL TO CAREFULLY CHECK FOR GAS LEAKS WHEN HOOKING UP THE FIREPLACE --CHECK WITH SOAP & WATER SOLUTION.

BE SURE TO INSTALL " APPROVED FLEX GAS LINE WITH BRASS-TO-BRASS FITTINGS TO PREVENT GAS LEAKS AT CONNECTIONS.

GAS SUPPLY PIPING **MUST** INCLUDE A DRIP LEG TO ELIMINATE THE POSSIBILITY OF CONTAMINANTS ENTERING THE GAS TRAM. ADHERE STRICTLY TO LOCAL AND NATIONAL CODES FOR ENTIRE INSTALLATION.

GAS SUPPLY LINE SIZING

Gas supply piping can enter the Fireplace cabinet from either the left or right side.

Install an approved individual shut-off valve in supply line to the fireplace. The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 PSIG (3.5 kPa).

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

The proper gas line diameter must be selected to run from the supply regulator to the Fireplace. Refer to the following table for proper gas pipe diameters. Strictly adhere to the correct pipe sizes.

PIPE LENGTH (FEET)	SCHEDULE 40 PIPE INSIDE DIA.		TUBING, TYPE L OUTSIDE DIA.	
	NAT.	L.P.	NAT.	L.P.
0-10	1/2" (1.3 cm)	3/8" (1.0 cm)	1/2" (1.3 cm)	3/8" (1.0 cm)
10-40	1/2" (1.3 cm)	1/2" (1.3 cm)	5/8" (1.6 cm)	1/2" (1.3 cm)
40-100	1/2" (1.3 cm)	1/2" (1.3 cm)	3/4" (2.0 cm)	1/2" (1.3 cm)
100-150	3/4" (2.0 cm)	1/2" (1.3 cm)	7/8" (2.3 cm)	5/8" (1.6 cm)
150-200	3/4" (2.0 cm)	1/2" (1.3 cm)	7/8" (2.3 cm)	3/4" (2.0 cm)

GAS PRESSURE CHECKING REQUIREMENTS

Inlet and manifold gas pressure checking taps are located on gas valve. (See FIGURE 2 pg. 7) A qualified installer should use these fittings for setting the correct gas pressure during initial installation.

NOTE: DO NOT DAMAGE OR KINK THE FLEX CONNECTOR. CHECK FOR GAS LEAKS WITH SOAP AND WATER SOLUTION.

NOTE: 3/8" FLEX OR RIGID PIPING MAY BE USED TO CONNECT GAS SUPPLY TO UNIT DEPENDING ON STATE AND LOCAL CODES.

NOTE: BE SURE TO INSTALL FLEX GAS **HOSE WITH** BRASS-TO-BRASS FITTINGS TO PREVENT LEAKS AT CONNECTION.

GAS PRESSURE REQUIREMENTS

A MAJOR CAUSE OF OPERATING PROBLEMS WITH GAS APPLIANCES CAN BE IMPROPER GAS PRESSURE!

Such problems as changes in flame color or configuration, gas pilot or burner outages, intermittent operation, changes in heat output, excessive burner noise, etc. can be the result of changes in gas pressure or improper gas pressure *at* the time of the installation. The most important item to check during the installation and the first thing to check when problems occur is gas pressure!

Gas supplies normally enter a residence at 1/2 PSI (13" - 15" W.C.) (3. KPA). A regulator is then placed inside the residence which drops this pressure to 7" W.C. (1.8 WA) (Nat. Gas). This "inches to inched" regulator is of adequate capacity to service the gas appliances (such as dryer, furnace, etc.). If this regulator's capacity is not sufficient *to* add the Gas Fireplace, an additional "inches to inches" regulator must be installed for the Fireplace. **EXCEPTION:** Some codes allow 2 PSI (1.4KPA) supplies to enter the residence, in which case "pounds to inches" regulators are used.

The following table provides information on correct gas pressure requirements. Be sure your gas supplier or plumber carefully follows this table.

GAS PRESSURE REQUIREMENTS

	DESIRED INLET PRESSURE	MINIMUM INLET PRESSURE	MAXIMUM INLET PRESSURE	MANIFOLD OUTLET PRESSURE	AXRSHUTTER POSITION
NATURAL GAS	7.0" W.C. (1.75 kPa)	5.0" W.C. (1.12 kPa)	11" W.C. (2.61 kPa)	3.5" W.C. (0.87 kPa)	1/8 - 1/4 " OPEN (7 mm)
L.P. GAS	11.0" W.C. (2.75kPa)	11" W.C. (2.75 kPa)	13.0" W.C. (3.24 kPa)	10.0" W.C. (2.5 kPa)	1/2 " OPEN - min. (14 mm)

TURN GAS VALVE KNOB TO "HIGH" POSITION **GAS PRESSURES MAY VARY PLUS OR MINUS 5%**
 *AIR SHUTTER POSITION MAY VARY WITH Altitudes ABOVE 5,000 FT.

Manifold pressure must be taken at the outlet ("MANIFOLD") tap and inlet pressure at the "INLET" tap *with the burner operating* by a qualified installer (see FIGURE 2: Pressure Test Port).

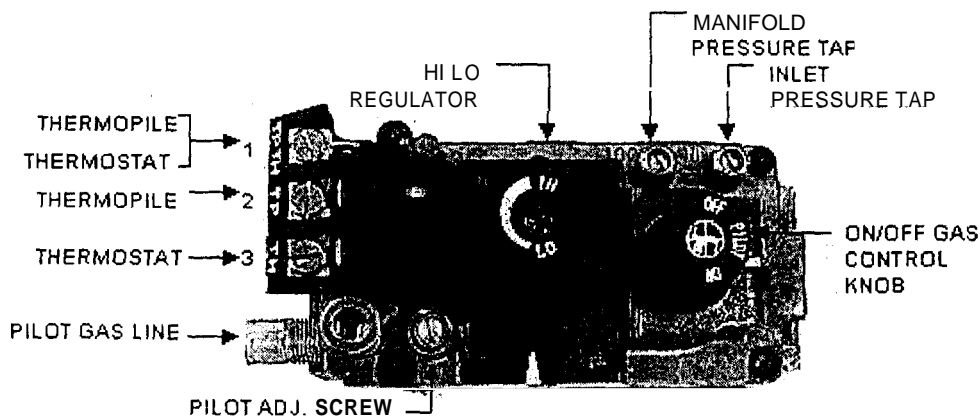


FIGURE 2: Pressure Test Port

EXTERIOR VENT LOCATIONS AND RESTRICTIONS

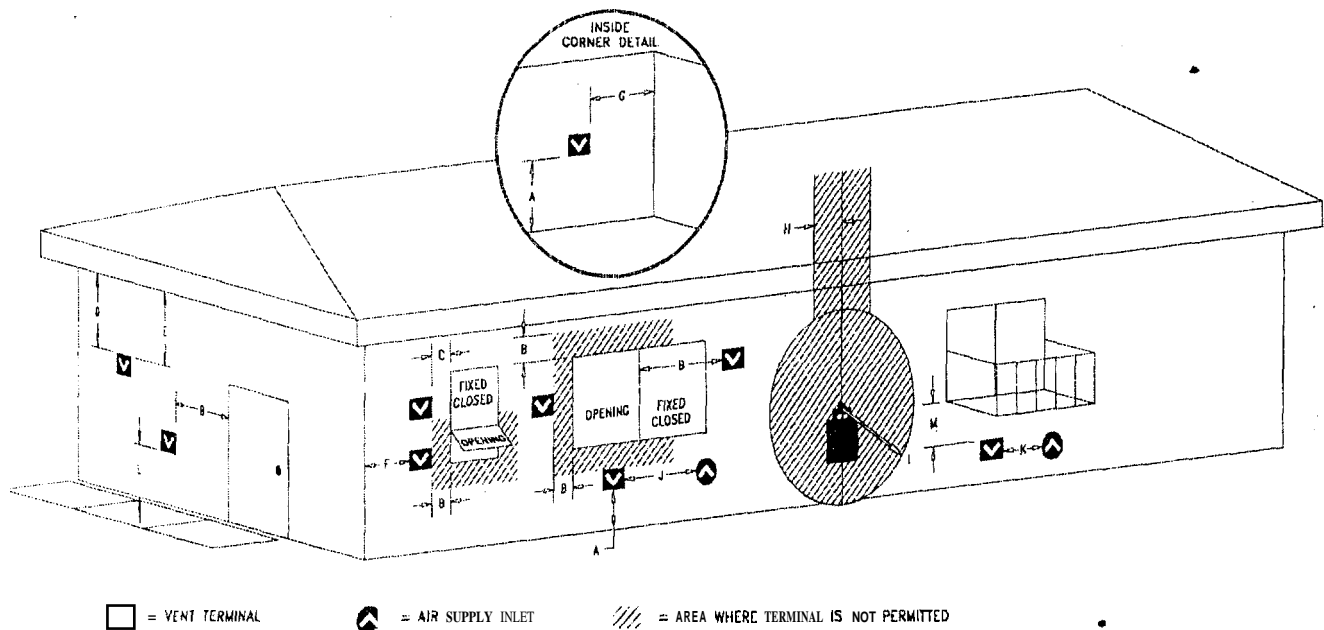


FIGURE 3: Exterior Vent Locations

☐ = Vent Terminal

⊙ = Air Supply Inlet

≡ = Area where terminal is not permitted

A = Clearance above grade, veranda, porch, deck, or balcony (*18 inches (45 cm) minimum)

B = Clearance to window or door that may be opened (*12 inches (30 cm) minimum).

C = Clearance to permanently closed window (minimum 12 inches (30 cm) recommended to prevent condensation on window)

D = Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of two feet (60 cm) from the center-line of the terminal 18 inches (46 cm) minimum

E = Clearance to unventilated soffit (24 inches (60 cm) minimum)

F = Clearance to outside corner - six inches (15 cm)

G = Clearance to inside corner - 24 inches (30 cm)

H = *Not to be installed above a meter/regulator assembly within three feet (90 cm) horizontally from the center-line of the regulator

I = Clearance to service regulator vent outlet (*6 feet (1.8 m) minimum)

J = Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance. (*12 inches (30 cm) minimum).

K = Clearance to a mechanical air supply inlet (*6 feet (1.8 m) minimum)

L = † Clearance above paved side-walk or a paved driveway located on public property (*7 feet (2.1 m) minimum)

M = Clearance under veranda, porch, deck, or balcony (*24 inches (60 cm) minimum †)

† 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 two sides beneath the floor.

* As specified in CGA B1:19 Installation Codes (1991). **Note:** Local codes or regulations may require different clearances.

FLUE VENTING INSTRUCTIONS

The Mendota Fireplace must be vented using DuraVent or Amerivent or Security venting system. All warranties will be voided and serious fire, health or other safety hazards may result from any of the following actions: Installation by unauthorized personnel; Installation of any damaged component; unauthorized modification of vent system; installation of any components not manufactured or approved by security chimney Simpson DuraVent, Amerivent and Mendota; failure to meet all clearance requirements; failure to properly twist-lock all components.

Consult local building codes before beginning the installation.

WARNING

Always maintain required clearances (air spaces) to combustibles to prevent a fire hazard. Do not fill air spaces with insulation. Check installation instructions for minimum clearance requirements between the outer walls of the vent pipe and nearby combustible surfaces. Be sure to check the vent termination clearance requirements from decks, windows, soffits, gas regulators, air supply inlets, and public walkways, as specified in these installation instructions and local building codes. **SAFETY PRECAUTIONS FOR THE INSTALLER:** 1) Wear gloves and safety glasses for protection; 2) Exercise extreme caution when using ladders or on roof tops; and 3) Be aware of electrical wiring locations in walls and ceilings.

The gas appliance and vent system must be vented directly to the outside of the building, and never attached to a chimney serving separate solid fuel or gas burner appliance. Each direct vent gas appliance must have its own separate vent system. Common vent systems are prohibited.

To assure proper venting performance of the high-performance Mendota Direct Vent Fireplaces and Stoves, it is critical that the DuraVent GS vent pipe sections are sealed tightly and leak-proof. This means that all pipe sections must be carefully rotated into the fully "twist-locked" position (Dura Vent only).

WE STRONGLY RECOMMEND THAT FIXED LENGTH PIPE SECTIONS BE USED IN PLACE OF TELESCOPING SECTIONS WHENEVER POSSIBLE

Note: When using Dura-vent DV pipe you must use a silicate stove masonry sealant [Millpak Sealant #65-06-00909] on all inner pipe joints. On the exterior (air intake) pipe joints, high temperature foil tape may be used instead of the masonry sealant. Contact your dealer to obtain this sealant material.

DO NOT SEPARATE TELESCOPING SECTIONS. THEY MUST BE USED AS COMPLETE ASSEMBLIES.

COMPONENT "TWIST-LOCK" CONNECTION PROCEDURE

DuraVent, Amerivent and Security brand pipe and fittings are designed with special twist-lock connections. Twist-lock procedure is as follows: four (4) indentations, located on the female ends of pipes and fittings are designed to slide straight in to the male ends of the adjacent pipes and fittings, by orienting the four pipe identifications so that they match and slide into the four entry slots on the male ends (FIGURE 4).

Push the pipe sections completely together then twist-lock one section clockwise, approximately 1/4 turn until the two sections are fully locked. The female locking lugs will not be visible from the outside on the black pipe or fittings.

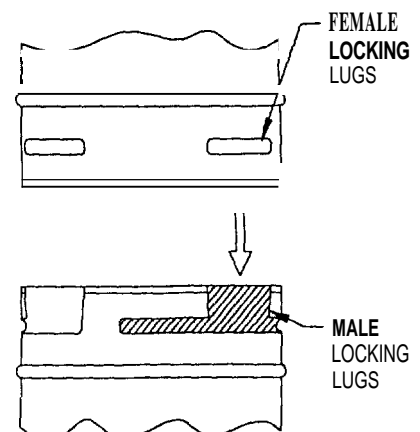
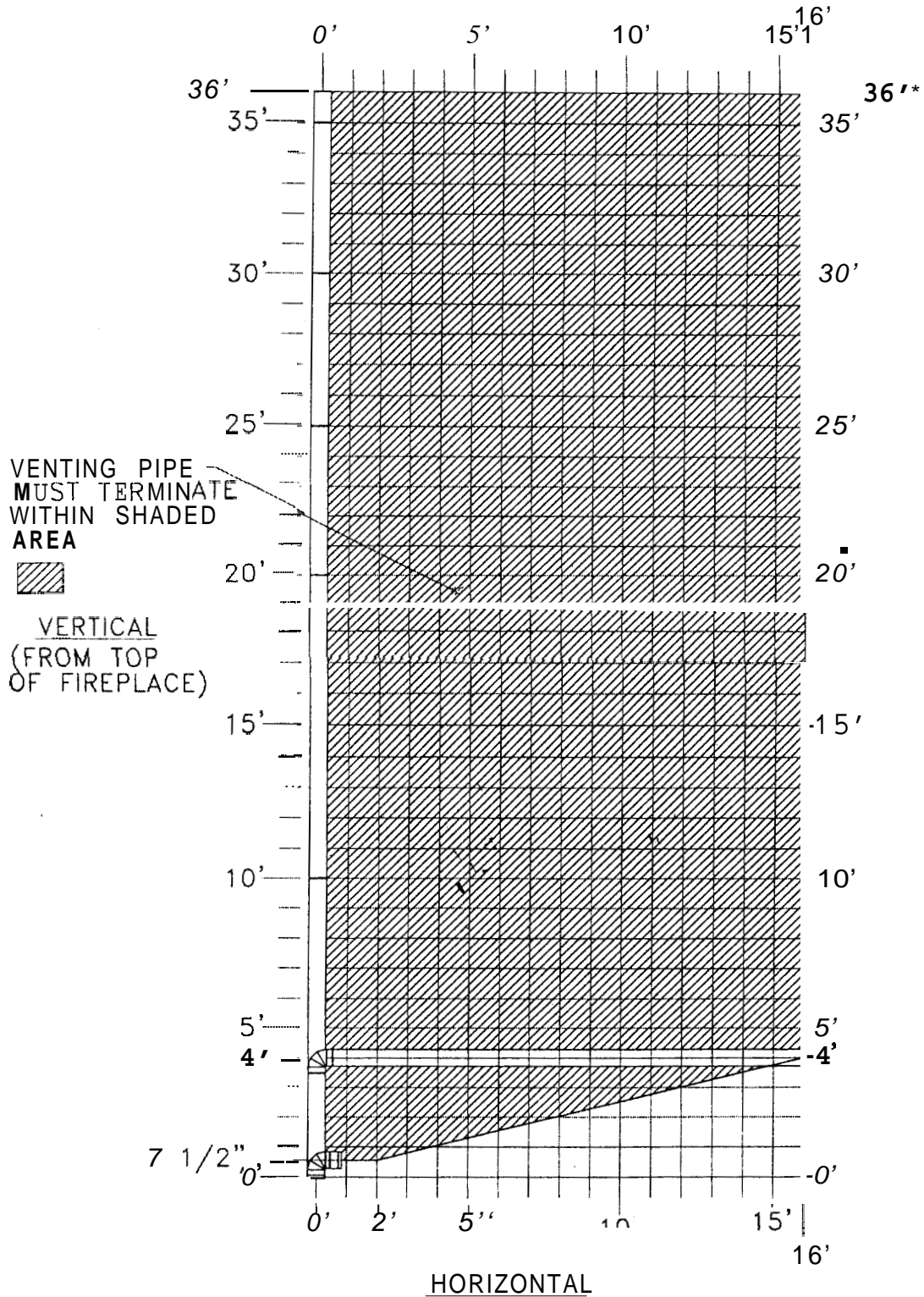


FIGURE 4: Twist-Lock Piping

FLUE VENTING REQUIREMENTS



NOTE: IF A 90° ELBOW IS CONNECTED DIRECTLY TO THE FLUE OULET, THE MAXIMUM HORIZONTAL DISTANCE FROM THE FLUE OULET CENTERLINE TO THE OUTSIDE WALL IS 24".

A MAXIMUM OF THREE (3) 90° ELBOWS ARE ALLOWED PER INSTALLATION.

EACH 90° ELBOW USED, AFTER THE FIRST 90° ELBOW, REDUCES THE MAXIMUM HORIZONTAL DISTANCE BY 3'. EACH 45° ELBOW USED, AFTER THE FIRST 90° ELBOW, REDUCES THE MAXIMUM HORIZONTAL DISTANCE BY 1-1/2'.

5" / 8" FLUE VENTING COMPONENTS

ITEM #	PART #	DESCRIPTION
1	45-01-00222	12" VENT STACK 5" / 8"
1	45-01-00223	24" VENT STACK 5" / 8"
1	45-01-00224	36" VENT STACK 5" / 8"
1	45-01-00225	48" VENT STACK 5" / 8"
2	45-01-00228	90° GALVANIZED ELBOW 5" / 8"
3	45-01-00227	45° GALVANIZED ELBOW 5" / 8"
4	45-01-00229	ADJUST. WALL THIMBLE 5" / 8"
5	45-01-00226	11 - 14" ADJUSTABLE PIPE 5" / 8"
9	45-01-00239	ATTIC INSULATION SHIELD 12" 5"/8"
10	45-01-00236	ROOF FLASHING (0/12 TO 6/12) 5"/ 8"
10	45-01-00237	ROOF FLASHING (7/12 TO 12/12) 5"/8"
11	45-01-00238	STORM COLLAR 5" / 8"
12	45-01-00230	VERTICAL VENT CAP 5" / 8"
13	45-01-00234	SUPPORT BAND 5" / 8"
14	45-01-00231	HORIZONTAL VENT CAP 5" / 8"
15	45-01-00235	FIRESTOP SPACER 5" / 8"
16	45-01-00221	6" VENT STACK GALV. 5" / 8"

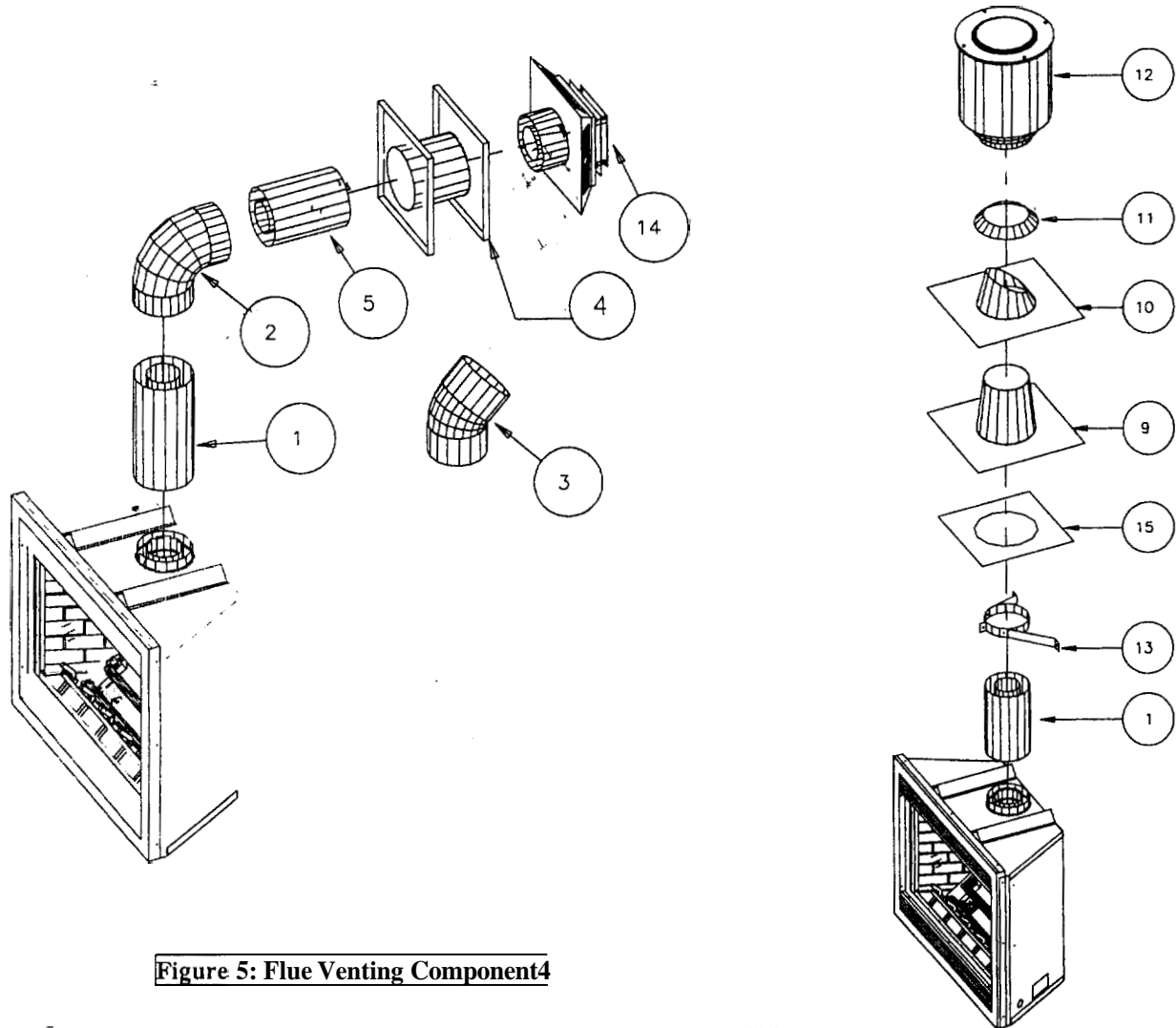


Figure 5: Flue Venting Component4

Adjustable- telescoping - pipe sections must be sealed using 2000° MILLPAK SILICATE STOVE MASONRY SEALANT (part #65-06-00909).

A-1 MINIMUM RISE THROUGH-THE-WALL VENTING

The horizontal distance from flue outlet center to outside wall must not exceed 24" if a 90° elbow is connected directly to flue outlet. ALWAYS MAINTAIN 1" CLEARANCES FROM VENT PIPE TO COMBUSTIBLES, 2" ABOVE PIPE ON HORIZONTAL RUNS. Use "fixed" pipe sections in place of adjustable pipe sections wherever possible. If adjustable pipe sections must be used, 2000° Millpak sealant (#65-06-00909) must be used on the inner pipe joints (Duravent Only). Do not fill air spaces within the required clearance distances (1" around vertical pipe sections and 2" above horizontal pipes and fittings) with insulation or other material.

IMPORTANT: REFER TO DRAWINGS ON PAGE 10 & 11 WHILE FOLLOWING THESE INSTRUCTIONS.

1. Position fireplace in desired location. See pg. 8 for guidelines on proper vent cap placement on the exterior of home. Check to determine if wall studs are in the way when venting system is attached. If this is the case, you may want to adjust the fireplace location.
2. Measure from the top of the fireplace up minimum 7 1/2" from top of fireplace to centerline of 90° elbow (See FIGURE 1. pg. 4) and mark wall directly at the center of where the vent pipe will penetrate the wall.
3. Cut and frame a 12" x 12" opening in the outside wall. The hole must be positioned so the vent system will run level or have a 1/4" rise AND be perpendicular to the wall. The height of the opening must be located to meet all local and national building codes and not allow the termination to be easily blocked or obstructed. If wall being penetrated is non-combustible material, i.e. masonry block, brick, etc., an 8 1/2" diameter hole is acceptable. A Wall Thimble (#45-01-00229) must be used when penetrating a combustible wall.
4. Make sure that all component connections are in their fully twist-locked position and are leak-proof. Make sure that 2000° Millpak sealant (#65-06-00909) is used on the inner pipe joints of all pipe sections (Dura Vent only).

***NOTE: DO NOT SEPARATE TELESCOPING SECTIONS. USE AS COMPLETE ASSEMBLIES.**

5. The length of the horizontal piece that fits through the wall will be determined by the thickness of the wall. When installed, the end of the horizontal piece must be flush with the exterior wall of the home. There MUST be a minimum of 1" air space clearance to combustibles from all vent pieces (2" above horizontal runs).
6. From the exterior of the home, slide the horizontal vent cap over the end of the horizontal pipe and tightly secure the cap to the wall with screws. Seal with a high quality caulking.

NOTE: The Horizontal Vent Cap should not be recessed into the wall or siding.

A-2 ELEVATED RISE THROUGH-THE-WALL VENTING

The minimum vertical rise **from** top of fireplace, is 48 in. when used with the maximum horizontal run of 16 ft. For other venting configurations within these maximum limits see pg. 10.

NOTE: All horizontal runs of vent pipes must have a ¼" rise for every 1' of run toward the termination. Never allow the vent to run downward. This will cause high temperatures and the possibility of a fire.

USING OFFSETS AND RETURNS: A single 90° vertical-to-horizontal elbow is already calculated into the allowable maximum 16' horizontal run. Each additional 90° elbow reduces the maximum horizontal distance by 3'. A maximum of two 90° or four 45° elbows, in addition to the first 90° elbow, can be used (total equivalent of three (3) 90° elbows in entire vent system. 45° elbows reduce the maximum horizontal distance by 1½'.

SUPPORT: Horizontal runs of pipe will require one vent support for every 3 ft. of pipe.

CAUTION: Be sure to maintain 1" air space clearances to any combustibles around all pipe sections that are vertical, Be sure to maintain 1" air space clearances to any combustibles on the sides and below all horizontal pipe sections and elbows and 2" from the top of all horizontal pipes and fittings.

IMPORTANT: REFER TO DRAWINGS ON PAGE 10 & 11 WHILE FOLLOWING THESE INSTRUCTIONS.

1. Position fireplace in desired location. See pg. 8 for guidelines on proper vent cap placement on exterior of home. Check to determine if wall studs are in the way when vent system is attached. If this is the case you may need to adjust the fireplace location.
2. Locate position where vent pipe will pass through any ceilings and will penetrate the outside wall. Since vent pipe sections "overlap" we suggest pre-assembling and measuring the total vent pipe run so you can more accurately locate the point where the vent pipe will penetrate the outside wall. (See FIGURE 3: Exterior Vent Locations, pg.8). Be sure all vent components are properly twist locked and leak-proof. Be sure 2000° silicate sealant (Millpak #65-06-00909) is used in the inner joints of all pipe sections (Dura Vent only).

***NOTE: DO NOT SEPARATE TELESCOPING SECTIONS USE AS COMPLETE ASSEMBLIES.**

3. Cut and frame a 12" x 12" opening in the outside wall and in any ceiling openings. The outside wall hole must be positioned so the vent system will have a ¼" rise per foot of run AND be perpendicular to the wall. The height of the opening must be located to meet all local and national building codes and not allow the termination to be easily blocked or obstructed. A ceiling fire stop spacer is required at any floor (ceiling) opening.
4. Connect a 90° elbow to the fireplace adapter on top of fireplace vent outlet.
5. Always use a Wall Thimble (#45-01-00229) when penetrating a combustible wall.
6. The horizontal pipe must end flush with the exterior wall of the home. Horizontal pipe will require a proper support (*part #45-01-00234*) every 3 ft. of vent pipe. **THERE MUST BE A MINIMUM OF 1" CLEARANCE TO COMBUSTIBLES FROM ALL VENT PIECES (2" above horizontal runs).** From the exterior of the home, slide the horizontal vent cap over the end of the horizontal pipe and tightly secure the vent cap to the wall with screws. Seal with high quality caulking.

NOTE: Venting terminal should not be recessed into the wall or siding.

MENDOTA DESIGNER FRONTS INSTALLATION INFORMATION

The following Designer Fronts are available for the **DXV-45** Fireplace:

Andover Arched Door Kit with Firescreen with optional Overlays as listed below:

1.
 - a. Black Andover Overlay
 - b. Pewter Andover Overlay
 - c. Antique Copper Andover Overlay
 - d. Gold Andover Overlay
2. Prairie Rectangular Door Kit with Firescreen with optional Overlays as listed below:
 - a. Black Prairie Overlay
 - b. Pewter Prairie Overlay
 - c. Antique Copper Prairie Overlay
 - d. Gold Prairie Overlay
3. Black or Gold Victoria Filigree
4. Black or Gold Tuscany Filigree
5. Millenia Flat Grills in four optional color schemes as listed below:
 - a. Black Millenia Flat Grills
 - b. Full Brass Millenia Flat Grills
 - c. Classic Black and Brass Millenia Flat Grills
 - d. Classic Black and Bright Silver Millenia Flat Grills

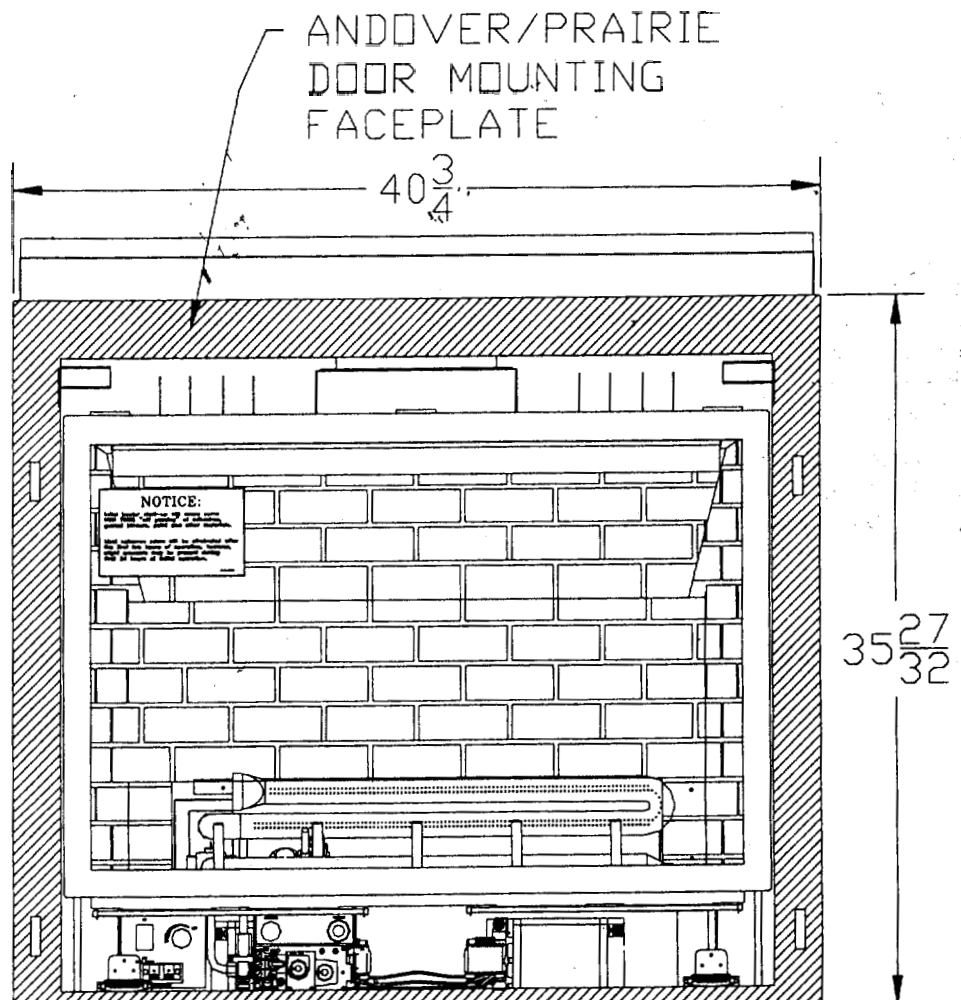
Information specific to the installation of the Andover and Prairie Fronts

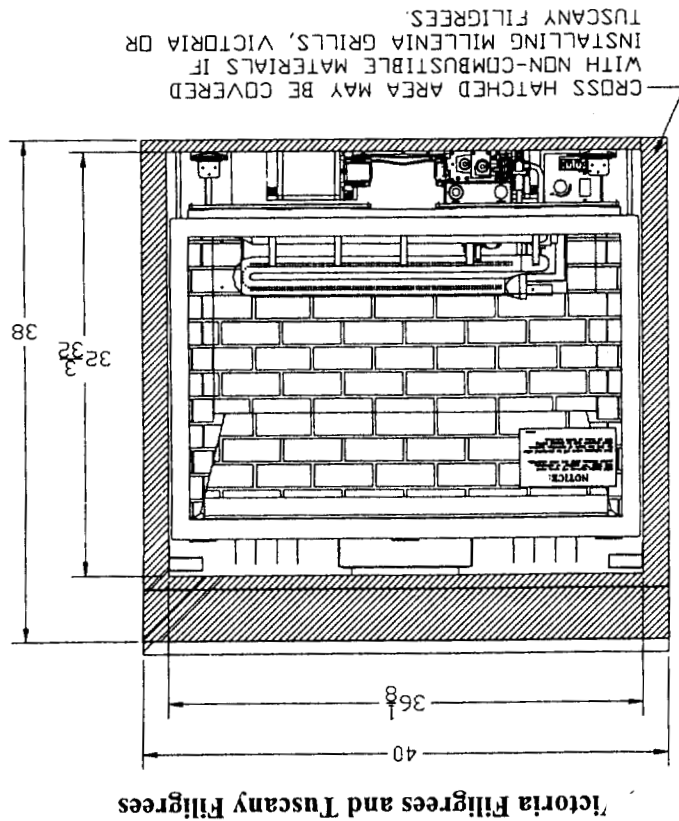
The Andover Door and Prairie Door Fronts are designed to be "Full-Face" trim kits. These two Fronts cover an area equivalent to that shown in the diagram below. Any material that protrudes into this area on the sides, top or bottom edges can only be flush with the front surface of the fireplace faceplate.

If planning to install either the Andover Door or the Prairie Door Front, **DO NOT COVER THE FACEPLATE OF THE FIREPLACE WITH ANY MATERIALS.** Furthermore, any drywall or wall covering material that is adjacent to the sides, top or bottom of the Fireplace's faceplate may not protrude out past the front surface of the Fireplace Faceplate's front surface.

The Andover and Prairie Doors Mounting Faceplate (required for installation of the Andover and prairie, Doors) may be covered over with noncombustible facing materials,

To install Tile, Marble, Slate, Stone, Rocks or other noncombustible to enhance the arch shape of the Andover Doors or the Rectangular shape of the Prairie Doors, do so only after the Andover or Prairie Door Kits have been installed on the DXV-45 Fireplace.



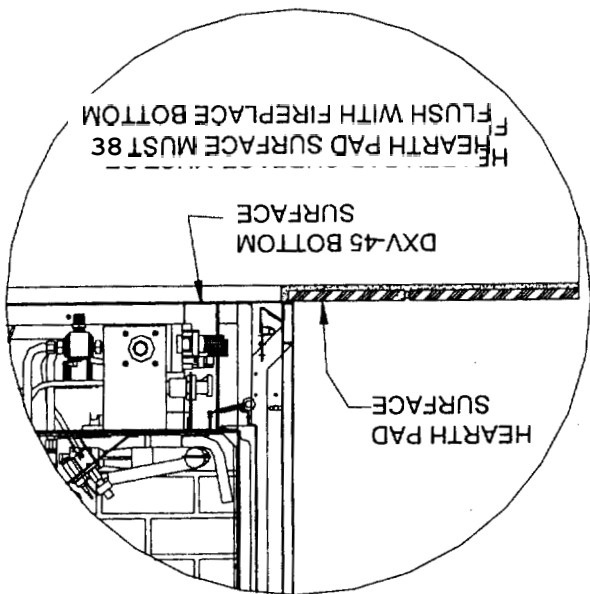


Victoria Filigrees and Tuscan Filigrees

WARNING: COMBUSTIBLE MATERIALS MUST NOT COVER THE FRONT SURFACE OF THE FIREPLACE'S FACEPLATE.

The Millenia Flat Grills, Victoria Filigree and Tuscan Filigree are designed to be "inside-fit" trim kits. All of these trim kits fit within the inner perimeter of the fireplace's faceplate and remain flush within the fireplace's front surface, see Figure below. This fitting method allows flexibility in covering the black visible surface of the Faceplate with non-combustible materials such as Tile, Marble, Slate, Stone and Brick; as long as enough room is allowed for the removal of these Mendota Designer Fronts and the glass door for servicing.

Information open to the right.



Hearth Protection Pad Installation Information when Planning to Install the Andover or Prairie Fronts

Any hearth protection pad installed in front of the DXV-45 Fireplace must be designed, built and installed so that the hearth protection pad's top surface is flush with the bottom-most surface of the DXV45 Fireplace. See the diagram to the right.