

**INSTALLER: LEAVE THIS MANUAL WITH THE APPLIANCE.  
 CONSUMER: RETAIN THIS MANUAL FOR FUTURE REFERENCE.  
 NEVER LEAVE CHILDREN OR OTHER AT RISK INDIVIDUALS ALONE WITH THE APPLIANCE**



# INSTALLATION AND OPERATING INSTRUCTIONS

CONFORMS TO AMERICAN NATIONAL STANDARDS: ANSI Z21.50, CERTIFIED TO CANADIAN CSA 2.22 FOR VENTED GAS FIREPLACES.

EN  
FR  
PG  
79

CERTIFIED FOR CANADA AND UNITED STATES USING ANSI/CSA METHODS.

**SAFETY INFORMATION**

**! WARNING**

If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS:
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbour'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 supplier.

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

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

Decorative Product: Not for use as a heating appliance.

APPLY SERIAL NUMBER LABEL FROM CARTON

Serial No. XXXXX000000  
MODEL NO.

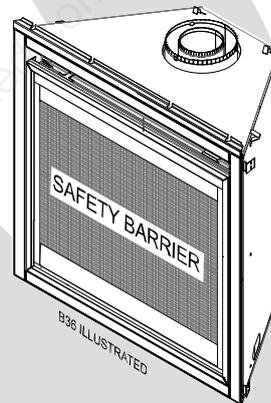


BARRIER



**B36NT / B36NTE &  
 GX36NT / GX36NTE**  
 NATURAL GAS MODEL

**B36PT / B36PTE &  
 GX36PT / GX36PTE**  
 PROPANE GAS MODEL



**! DANGER**

**HOT GLASS WILL CAUSE BURNS.  
 DO NOT TOUCH GLASS UNTIL COOLED.  
 NEVER ALLOW CHILDREN TO TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

Wolf Steel Ltd., 24 Napoleon Rd., Barrie, ON, L4M 0G8 Canada /  
 103 Miller Drive, Crittenden, Kentucky, USA, 41030  
 Phone (705)721-1212 • Fax (705)722-6031 • www.napoleonfireplaces.com • ask@napoleonproducts.com

\$10.00

1.28E

W415-1401 / B / 12.23.14

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**NOTE:** Changes, other than editorial, are denoted by a vertical line in the margin.

## 1.0 INSTALLATION OVERVIEW

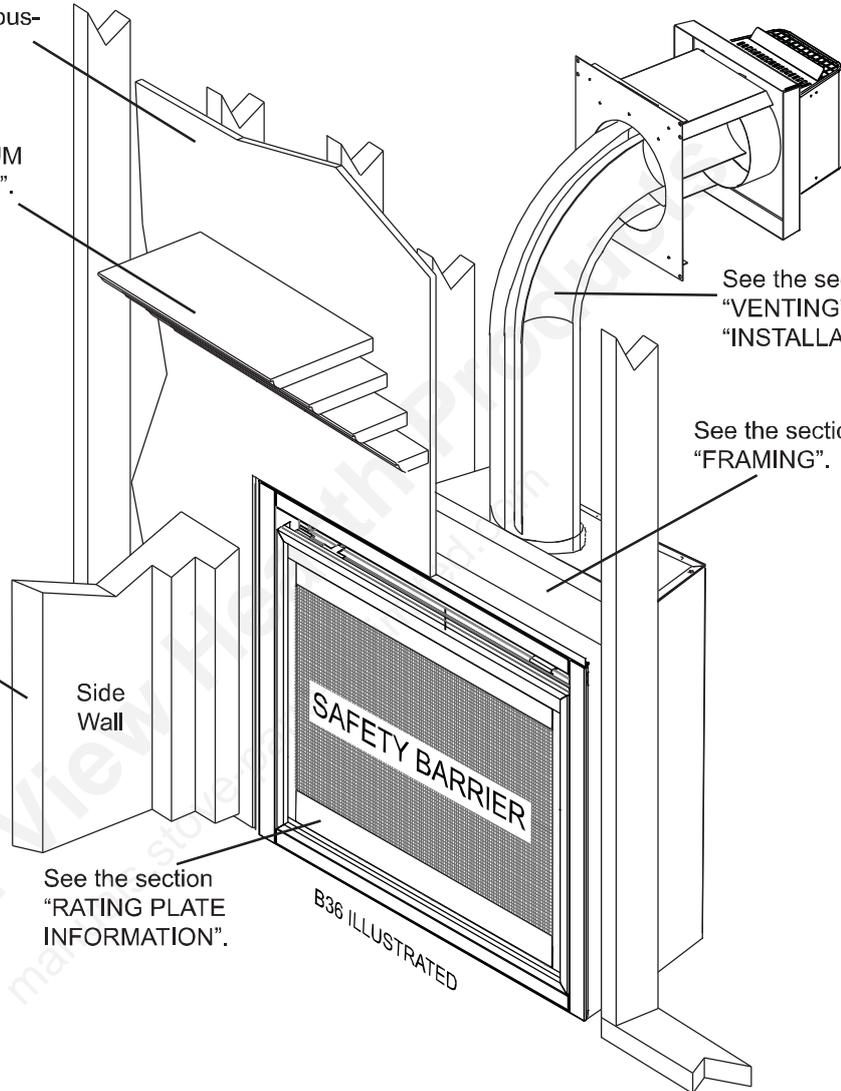
See the section "MINIMUM ENCLOSURE CLEARANCES" for drywall (or other combustible material).

See the section "MINIMUM MANTEL CLEARANCES".

See the section "VENTING" and "INSTALLATION".

See the section "FRAMING".

See the section "NON-COMBUSTIBLE FINISHING".



Batteries must be disposed of according to the local laws and regulations. Some batteries may be recycled, and may be accepted for disposal at your local recycling center. Check with your municipality for recycling instructions.

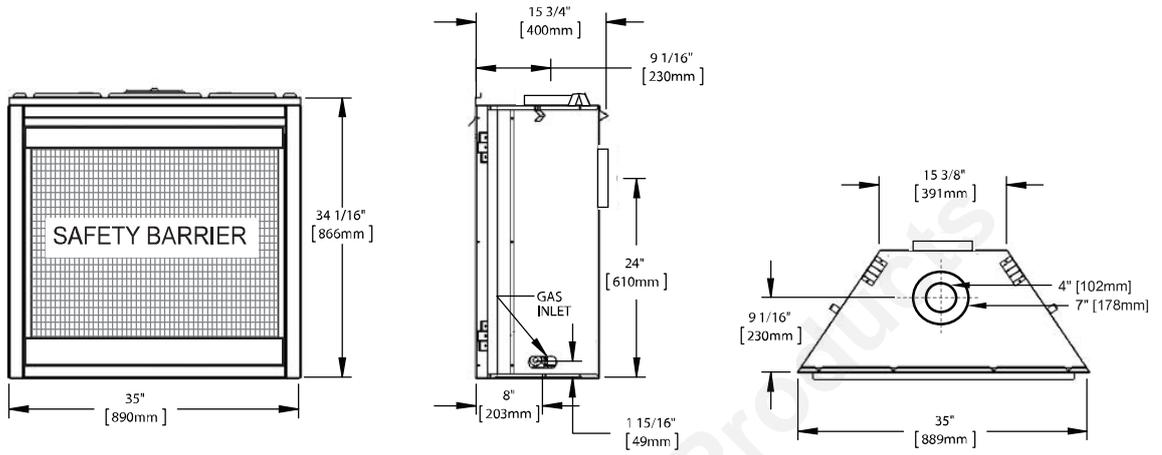
## 2.0 INTRODUCTION

### WARNING

- **THIS APPLIANCE IS HOT WHEN OPERATED AND CAN CAUSE SEVERE BURNS IF CONTACTED.**
- **ANY CHANGES TO THIS APPLIANCE OR IT'S CONTROLS CAN BE DANGEROUS AND IS PROHIBITED.**
- Do not operate appliance before reading and understanding operating instructions. Failure to operate appliance according to operating instructions could cause fire or injury.
- Risk of fire or asphyxiation do not operate appliance with fixed glass removed.
- Do not connect 110 volts to the control valve.
- Risk of burns. The appliance should be turned off and cooled before servicing.
- Do not install damaged, incomplete or substitute components.
- Risk of cuts and abrasions. Wear protective gloves and safety glasses during installation. Sheet metal edges may be sharp.
- Do not burn wood or other materials in this 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. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to an appliance or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.**
- **Clothing or other flammable material should not be placed on or near the appliance.**
- **Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.**
- Ensure you have incorporated adequate safety measure to protect infants/toddlers from touching hot surfaces.
- Even after the appliance is out, the glass and/or screen will remain hot for an extended period of time.
- Check with your local hearth specialty dealer for safety screens and hearth guards to protect children from hot surfaces. These screens and guards must be fastened to the floor.
- **Any safety screen, guard or barrier removed for servicing the appliance, must be replaced prior to operating the appliance.**
- The appliance is a vented gas-fired appliance. Do not burn wood or other materials in the appliance.
- The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- Under no circumstances should this appliance be modified.
- This appliance must not be connected to a chimney flue pipe serving a separate solid fuel burning appliance.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- Do not operate the appliance with the glass door removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.
- Do not strike or slam shut the appliance glass door.
- When equipped with pressure relief doors, they must be kept closed while the appliance is operating to prevent exhaust fumes containing carbon monoxide, from entering into the home. Temperatures of the exhaust escaping through these openings can also cause the surrounding combustible materials to overheat and catch fire. Only doors / optional fronts certified with the unit are to be installed on the appliance.
- **Only doors / optional fronts certified with the unit are to be installed on the appliance.**
- Keep the packaging material out of reach of children and dispose of the material in a safe manner. As with all plastic bags, these are not toys and should be kept away from children and infants.
- As with any combustion appliance, we recommend having your appliance regularly inspected and serviced as well as having a Carbon Monoxide Detector installed in the same area to defend you and your family against Carbon Monoxide.
- Ensure clearances to combustibles are maintained when building a mantel or shelves above the appliance. Elevated temperatures on the wall or in the air above the appliance can cause melting, discoloration or damage to decorations, a T.V. or other electronic components.
- **A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed.**
- **If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.**
- **Installation and repair should be done by a qualified service person. The appliance 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, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.**
- This appliance uses and requires a fast acting thermocouple. Replace only with a fast acting thermocouple supplied by Wolf Steel Ltd.

3.1D

### 2.1 B36 / GX36 DIMENSIONS



Mountain View Hearth Products  
manuals.stove-parts-unlimited.com

## 2.2 GENERAL INSTRUCTIONS

<b>! WARNING</b>
<b>ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RUN OUT, WITH THE GLASS DOOR OPENED OR REMOVED.</b>
<b>PROVIDE ADEQUATE CLEARANCE FOR SERVICING AND OPERATING THE APPLIANCE.</b>
<b>PROVIDE ADEQUATE VENTILATION.</b>
<b>NEVER OBSTRUCT THE FRONT OPENING OF THE APPLIANCE.</b>
<b>OBJECTS PLACED IN FRONT OF THE APPLIANCE MUST BE KEPT A MINIMUM OF 48" (1219mm) FROM THE FRONT FACE OF THE APPLIANCE.</b>
<b>SURFACES AROUND AND ESPECIALLY ABOVE THE APPLIANCE CAN BECOME HOT. AVOID CONTACT WHEN THE APPLIANCE IS OPERATING.</b>
<b>FIRE RISK. EXPLOSION HAZARD.</b>
<b>HIGH PRESSURE WILL DAMAGE VALVE. DISCONNECT GAS SUPPLY PIPING BEFORE PRESSURE TESTING GAS LINE AT TEST PRESSURES ABOVE 1/2 PSIG. CLOSE THE MANUAL SHUT-OFF VALVE BEFORE PRESSURE TESTING GAS LINE AT TEST PRESSURES EQUAL TO OR LESS THAN 1/2 PSIG (35 mb).</b>
<b>USE ONLY WOLF STEEL APPROVED OPTIONAL ACCESSORIES AND REPLACEMENT PARTS WITH THIS APPLIANCE. USING NON-LISTED ACCESSORIES (BLOWERS, DOORS, LOUVRES, TRIMS, GAS COMPONENTS, VENTING COMPONENTS, ETC.) COULD RESULT IN A SAFETY HAZARD AND WILL VOID THE WARRANTY AND CERTIFICATION.</b>

**THIS GAS APPLIANCE SHOULD BE INSTALLED AND SERVICED BY A QUALIFIED INSTALLER** to conform with local codes. Installation practices vary from region to region and it is important to know the specifics that apply to your area, for example in Massachusetts State:

- This product must be installed by a licensed plumber or gas fitter when installed within the commonwealth of Massachusetts.
- The appliance damper must be removed or welded in the open position prior to installation of an appliance insert or gas log.
- The appliance off valve must be a "T" handle gas cock.
- The flexible connector must not be longer than 36 inches (914mm).
- A Carbon Monoxide detector is required in all rooms containing gas fired appliances.
- The appliance is not approved for installation in a bedroom or bathroom unless the unit is a direct vent sealed combustion product.

The installation must conform with local codes or, in absence of local codes, the National Gas and Propane Installation Code CSA B149.1 in Canada, or the National Fuel Gas Code, ANSI Z223.1 / NFPA 54 in the United States. Suitable for mobile home installation if installed in accordance with the current standard CAN/CSA Z240MH Series, for gas equipped mobile homes, in Canada or ANSI Z223.1 and NFPA 54 in the United States.

As long as the required clearance to combustibles is maintained, the most desirable and beneficial location for an appliance is in the center of a building, thereby allowing the most efficient use of the heat created. The location of windows, doors and the traffic flow in the room where the appliance is to be located should be considered. If possible, you should choose a location where the vent will pass through the house without cutting a floor or roof joist.

If the appliance is installed directly on carpeting, vinyl tile 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.

Some appliances have optional fans or blowers. If an optional fan or blower is installed, the junction box must be electrically connected and grounded in accordance with local codes, use the current CSA C22.1 Canadian Electrical Code in Canada or the ANSI/NFPA 70 National Electrical code in the United States.

**NATIONAL  
FIREPLACE  
INSTITUTE**



**CERTIFIED**

[www.nficertified.org](http://www.nficertified.org)

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

4.1B

## 2.3 GENERAL INFORMATION

FOR YOUR SATISFACTION, THIS APPLIANCE HAS BEEN TEST-FIRED TO ASSURE ITS OPERATION AND QUALITY!

RATES AND EFFICIENCIES				
	B36		GX36	
	NG	LP	NG	LP
Altitude (FT)	0-4,500	0-4500	0-4,500	0-4500
Max. Input (BTU/HR)	18,000	18,000	26,000	26,000
Min. Inlet Gas Supply Pressure	4.5" (11mb) w.c.	11" (27mb) w.c.	4.5" (11mb) w.c.	11" (27mb) w.c.
Max. Inlet Gas Supply Pressure	7" (17mb) w.c.	13" (32mb) w.c.	7" (17mb) w.c.	13" (32mb) w.c.
Manifold Pressure (Under Flow Conditions)	3.5" (9mb) w.c.	10" (25mb) w.c.	3.5" (9mb) w.c.	10" (25mb) w.c.

This appliance is approved for bathroom, bedroom and bed-sitting room installations and is suitable for mobile home installation.

**No external electricity (110 volts or 24 volts) is required for the gas millivolt system operation.**

**Expansion / contraction noises during heating up and cooling down cycles are normal and are to be expected.**

**A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed.**

2.4 RATING PLATE INFORMATION

CONFORMS TO / CONFORME AUX: ANSI Z21.50-2014, CERTIFIED TO / CERTIFIE: CSA 2.22-2014 VENTED GAS FIREPLACE / FOYER A GAZ VENTILE.

DIRECT VENT GAS FIREPLACE. SUITABLE FOR BEDROOM, BATHROOM AND BEDSITTING ROOM. INSTALLATION, SUITABLE FOR MOBILE HOME INSTALLATION IF INSTALLED IN ACCORDANCE WITH THE CURRENT STANDARD CAN/CSA Z240MH SERIES GAS EQUIPPED MOBILE HOMES, IN CANADA OR IN THE UNITED STATES THE MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARD, TITLE 24 CFR, PART 3280, WHEN THIS US STANDARD IS NOT APPLICABLE USE THE STANDARD FOR FIRE SAFETY CRITERIA FOR MANUFACTURED HOME INSTALLATIONS, SITES AND COMMUNITIES, ANSI/NFPA 501A, FOR USE WITH BARRIER W565-0144. FOLLOW THE INSTALLATION INSTRUCTIONS LOCATED IN THE INSTALLATION MANUAL.

FOYER A GAZ VENTILE DIRECT, HOMOLOGUEE POUR INSTALLATION DANS UNE CHAMBRE A COUCHER, UNE SALLE DE BAIN ET UN STUDIO, APPROPRIE POUR L'INSTALLATION DANS UNE MAISON MOBILE SI SON INSTALLATION CONFORME AUX EXIGENCES DE LA NORME CAN/CSA Z240MH SERIE DE MAISONS MOBILES EQUIPEES AU GAZ, EN VIGUEUR AU CANADA OU AUX ETATS-UNIS DE LA NORME DE SECURITE ET DE CONSTRUCTION DE MAISONS MANUFACTUREES, TITRE 24 CFR, SECTION 3280, DANS LE CAS OÙ CETTE NORME D'ETATS-UNIS NE PEUT ETRE APPLIQUEE, SE REFERER A LA NORME RELATIVE AU CRITERE DE MESURES DE SECURITE CONTRE L'INCENDIE POUR LES INSTALLATIONS DANS LES MAISONS MANUFACTUREES, LES SITES ET LES COMMUNAUTES, ANSI/NFPA 501A, POUR UNE UTILISER AVEC BARRIERE W565-0144, SUIVEZ LES INSTRUCTIONS D'INSTALLATION SE TROUVENT DANS LE MANUEL D'INSTALLATION

9700539 (WSL)  Intertek  4001657 (NGZ)   
 4001658 (NAC)   4001659 (WUSA)

B36NTR  CB36NTR MODEL  CB36PTR  B36PTR  
 B36NTR  CB36NTR  CB36PTR  B36PTR

0-4500FT (0-1370m) ALTITUDE / ELEVATION 0-4500FT (0-1370m)  
 18,000 BTU/h INPUT / ALIMENTATION 18,000 BTU/h  
 13,500 BTU/h REDUCED INPUT / ALIMENTATION REDUITE 13,500 BTU/h

MANIFOLD PRESSURE: 3.5" (9MB) WATER COLUMN MANIFOLD PRESSURE: 10" (25MB) WATER COLUMN  
 PRESSION AU COLLECTEUR: 3.5" (9 MB) D'UNE COLONNE D'EAU PRESSION AU COLLECTEUR: 10" (25MB) D'UNE COLONNE D'EAU  
 MINIMUM SUPPLY PRESSURE: 4.5" (11MB) WATER COLUMN MINIMUM SUPPLY PRESSURE: 11" (27MB) WATER COLUMN  
 PRESSION D'ALIMENTATION MINIMALE: 4.5" (11MB) D'UNE COLONNE D'EAU PRESSION D'ALIMENTATION MINIMALE: 11" (27MB) D'UNE COLONNE D'EAU  
 MAXIMUM SUPPLY PRESSURE: 7.0" (17MB) WATER COLUMN MAXIMUM SUPPLY PRESSURE: 13" (32MB) WATER COLUMN  
 PRESSION D'ALIMENTATION MAXIMALE: 7.0" (17MB) D'UNE COLONNE D'EAU PRESSION D'ALIMENTATION MAXIMALE: 13" (32MB) D'UNE COLONNE D'EAU  
 P4: 51.7% P4: 51.7%

**NOT FOR USE WITH SOLID FUEL. FOR USE WITH GLASS DOORS CERTIFIED WITH THIS UNIT ONLY.**  
**WARNING:** THIS FIREPLACE USES AND REQUIRES A FAST ACTING THERMOCOUPLE. REPLACE ONLY WITH A FAST ACTING THERMOCOUPLE SUPPLIED BY WOLF STEEL LTD. DO NOT ADD ANY MATERIAL TO THE APPLIANCE, WHICH WILL COME IN CONTACT WITH THE FLAMES, OTHER THAN THAT SUPPLIED BY THE MANUFACTURER WITH THE APPLIANCE. MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS /  
 DEGAGEMENTS MINIMAUX DES MATERIAUX COMBUSTIBLES:  
 TOP / DESSUS 0 RECESSED DEPTH / PROFONDEUR D'ENCASTRE 16"  
 FLOOR / PLANCHER 0 VENT SIDES / COTES DE L'EVENT 1"  
 SIDES / COTES 0 VENT TOP / EVENT SUPERIEUR 3"  
 BACK / ARRIERE 0 VENT BOTTOM / EVENT INFERIEUR 1"  
 MANTEL / MANTEAU 2"  
 \* MAXIMUM HORIZONTAL EXTENSION / L'EXTENSION HORIZONTALE MAXIMALE: 2'. SEE INSTRUCTION MANUAL FOR GREATER EXTENSIONS. REFERER AU MANUEL D'INSTRUCTION POUR DES EXTENSIONS PLUS GRANDES.  
 SEE OWNER'S INSTRUCTION MANUAL FOR MINIMUM AND MAXIMUM VENT LENGTHS. REFERER AU MANUEL D'INSTALLATION DE PROPRIETAIRE POUR LES LONGUEURS D'EVACUATION MINIMALE ET MAXIMALE.

**UN COMBUSTIBLE SOLIDE NE DOIT PAS ETRE UTILISE AVEC CET APPAREIL. UTILISER AVEC LES PORTES VITREES HOMOLOGUEES SEULEMENT AVEC CETTE UNITE.**  
**AVERTISSEMENT:** CE FOYER UTILISE ET REQUIERT UN THERMOCOUPLE A ACTION RAPIDE. REMPLACEZ UNIQUEMENT AVEC UN THERMOCOUPLE A ACTION RAPIDE DE WOLF STEEL LITEE. N'AJOUTEZ PAS A CET APPAREIL AUCUN MATERIAU DEVANT ENTRER EN CONTACT AVEC LES FLAMMES AUTRE QUE CELUI QUI EST FOURNI AVEC CET APPAREIL PAR LE FABRICANT. L'APPREIL DOIT EVACUER SES GAZ EN UTILISANT L'ENSEMBLE D'EVACUATION PROPRE A NAPOLEON. REFERER AU MANUEL D'INSTALLATION DE PROPRIETAIRE POUR L'EVACUATION PRECISE. IL EST IMPORTANT DE BIEN REINSTALLER ET RECELLER L'EVENT APRES AVOIR ASSURE LE MAINTIEN DU SYSTEME DE PRISE D'AIR.  
 DECORATIVE PRODUCT. NOT FOR USE AS A HEATING APPLIANCE.  
 PRODUIT DECORATIF. NE PAS UTILISER COMME APPAREIL DE CHAUFFAGE.  
 ELECTRICAL RATING / CLASSIFICATION: 115V 0.82AMP, 60HZ  
 OPTIONAL FAN KIT / ENSEMBLE DE VENTILATEUR FACULTATIF: EP35

WOLF STEEL LTD.  
 24 NAPOLEON ROAD, BARRIE, ON, L4M 0G8 CANADA

SERIAL NUMBER/NO. DE SERIE: B36 W335-1987

**INSTALLER:** It is your responsibility to check off the appropriate box on the rating plate according to the model, venting and gas type of the appliance.

For rating plate location, see "INSTALLATION OVERVIEW" section.

This illustration is for reference only. Refer to the rating plate on the appliance for accurate information.

**NOTE:** The rating plate must remain with the appliance at all times. It must not be removed.

## 3.0 VENTING

### WARNING

**RISK OF FIRE, MAINTAIN SPECIFIED AIR SPACE CLEARANCES TO VENT PIPE AND APPLIANCE.**

**IF VENTING IS INCLUDED WITH SPACERS THE VENT SYSTEM MUST BE SUPPORTED EVERY 3FT (0.9m) FOR BOTH VERTICAL AND HORIZONTAL RUNS. USE SUPPORTS OR EQUIVALENT NON-COMBUSTIBLE STRAPPING TO MAINTAIN THE REQUIRED CLEARANCE FROM COMBUSTIBLES. USE WOLF STEEL LTD. SUPPORT RING ASSEMBLY W010-0370 OR EQUIVALENT NON-COMBUSTIBLE STRAPPING TO MAINTAIN THE MINIMUM CLEARANCE TO COMBUSTIBLES FOR BOTH VERTICAL AND HORIZONTAL RUNS. SPACERS ARE ATTACHED TO THE INNER PIPE AT PREDETERMINED INTERVALS TO MAINTAIN AN EVEN AIR GAP TO THE OUTER PIPE. THIS GAP IS REQUIRED FOR SAFE OPERATION. A SPACER IS REQUIRED AT THE START, MIDDLE AND END OF EACH ELBOW TO ENSURE THIS GAP IS MAINTAINED. THESE SPACERS MUST NOT BE REMOVED.**

**THIS APPLIANCE USES A 4" (102mm) EXHAUST / 7" (178mm) AIR INTAKE VENT PIPE SYSTEM.  
Refer to the section applicable to your installation.**

For safe and proper operation of the appliance follow the venting instruction exactly. Deviation from the minimum vertical vent length can create difficulty in burner start-up and/or carboning. Under extreme vent configurations, allow several minutes (5-15) for the flame to stabilize after ignition. Although not a requirement, it is recommended for vent lengths that pass through unheated spaces (attics, garages, crawl spaces) be insulated with the insulation wrapped in a protective sleeve to minimize condensation. Provide a means for visually checking the vent connection to the appliance after the appliance is installed. Use a firestop, vent pipe shield or attic insulation shield when penetrating interior walls, floor or ceiling.

**NOTE: If for any reason the vent air intake system is disassembled; reinstall per the instructions provided for the initial installation.**

7.1C

### 3.1 VENTING LENGTHS AND COMPONENTS

Use only Wolf Steel, Simpson Dura-Vent, Selkirk Direct Temp, American Metal Amerivent or Metal-Fab venting components. Minimum and maximum vent lengths, for both horizontal and vertical installations, and air terminal locations for either system are set out in this manual and must be adhered to. For Simpson Dura-Vent, Selkirk Direct Temp, American Metal Amerivent and Metal-Fab follow the installation procedure provided with the venting components.

A starter adaptor must be used with the following vent systems and may be purchased from the corresponding supplier:

PART	4" / 7"	SUPPLIER	WEBSITE
Duravent	W175-0053	Wolf Steel	www.duravent.com
Amerivent	4DSC-N2	American Metal	www.americanmetalproducts.com
Direct Temp	4DT-AAN	Selkirk	www.selkirkcorp.com
SuperSeal	4DNA	Metal-Fab	www.mtffab.com

**For Simpson Dura-Vent, Selkirk Direct Temp, American Metal Amerivent and Metal-Fab follow the installation procedure found on the website for your venting supplier.**

For vent systems that provide seals on the inner exhaust flue, only the outer air intake joints must be sealed using a red high temperature silicone (RTV). This same sealant may be used on both the inner exhaust and outer intake vent pipe joints of all other approved vent systems except for the exhaust vent pipe connection to the appliance flue collar which must be sealed using the black high temperature sealant Mill Pac. High temperature sealant must be ordered separately.

When using Wolf Steel venting components, use only approved Wolf Steel rigid / flexible components with the following termination kits: wall terminal kit **GD222**, **GD222R**, or 1/12 to 7/12 pitch roof terminal kit **GD110**, 8/12 to 12/12 roof terminal kit **GD111**, flat roof terminal kit **GD112** or periscope kit **GD201** (for wall penetration below grade). With flexible venting, in conjunction with the various terminations, use either the 5 foot (1.5m) vent kit **GD220** or the 10 foot (3.1m) vent kit **GD330**.

**For optimum flame appearance and appliance performance, keep the vent length and number of elbows to a minimum. The air terminal must remain unobstructed at all times. Examine the air terminal at least once a year to verify that it is unobstructed and undamaged.**

**Rigid and flexible venting systems must not be combined. Different venting manufacturer components must not be combined.**

These vent kits allow for either horizontal or vertical venting of the appliance. The maximum allowable horizontal run is 20 feet (6.1m). The maximum allowable vertical vent length is 40 feet (12.2m). The maximum number of vent connections is two horizontally or three vertically (excluding the appliance and the air terminal connections) when using flexible venting.

8.1A

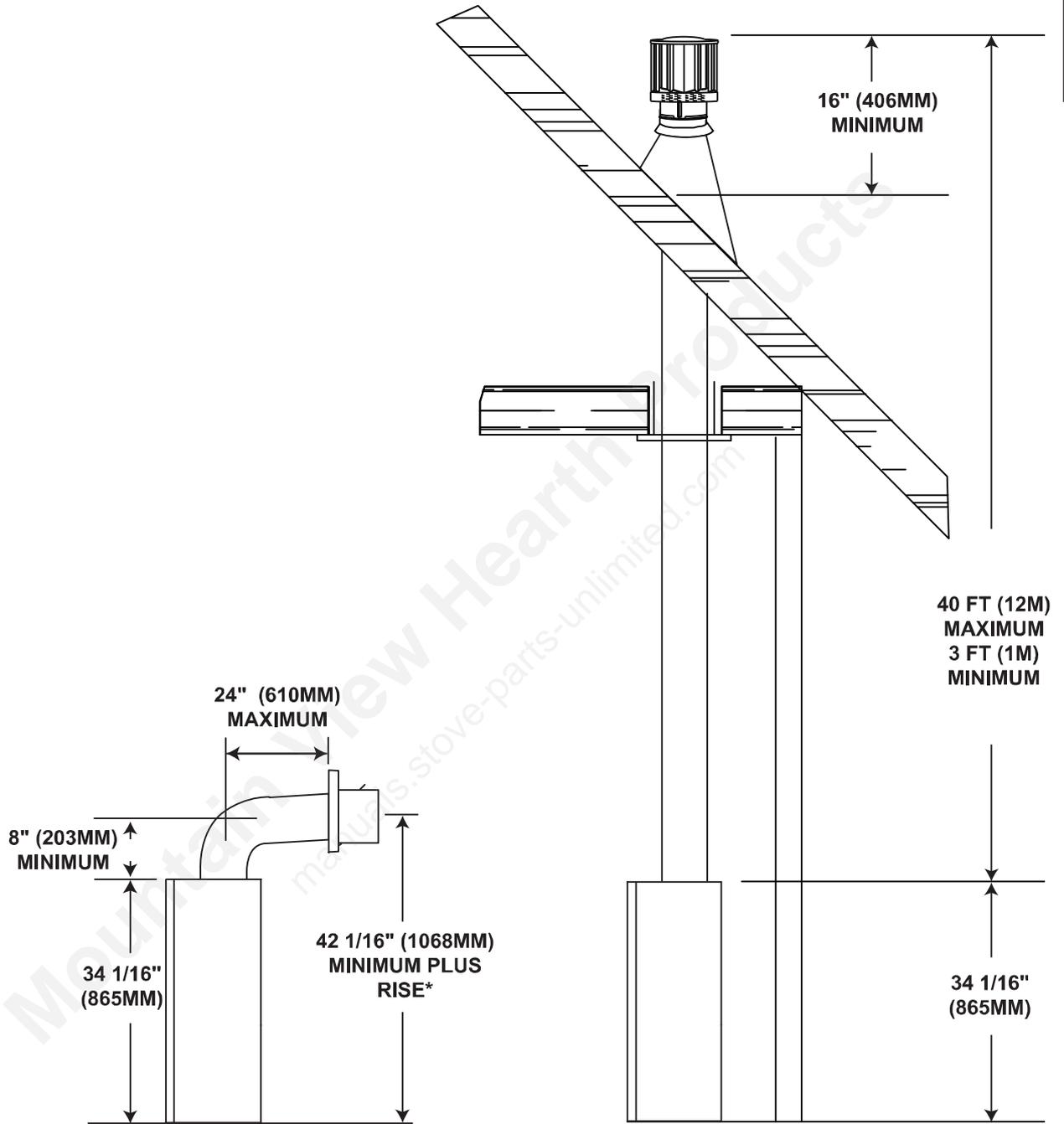
For optimum performance, it is recommended that all horizontal runs have a 1" (25mm) rise per foot.

GX36 REQUIRED RISE ON HORIZONTAL VENTING			B36 REQUIRED RISE ON HORIZONTAL VENTING		
Rear Vent	Rigid Venting	1" (25mm) / FT**	Rear Vent	Rigid Venting	0" / FT
	Flexible Venting	1" (25mm) / FT**		Flexible Venting	0" / FT
Top Vent	Rigid Venting	0" / FT	Top Vent	Rigid Venting	0" / FT
	Flexible Venting	0" / FT		Flexible Venting	0" / FT
Corner Vent	Rigid Venting	6" (152mm)	Corner Vent	Rigid Venting	0"
	Flexible Venting	6" (152mm)		Flexible Venting	6" (152mm)

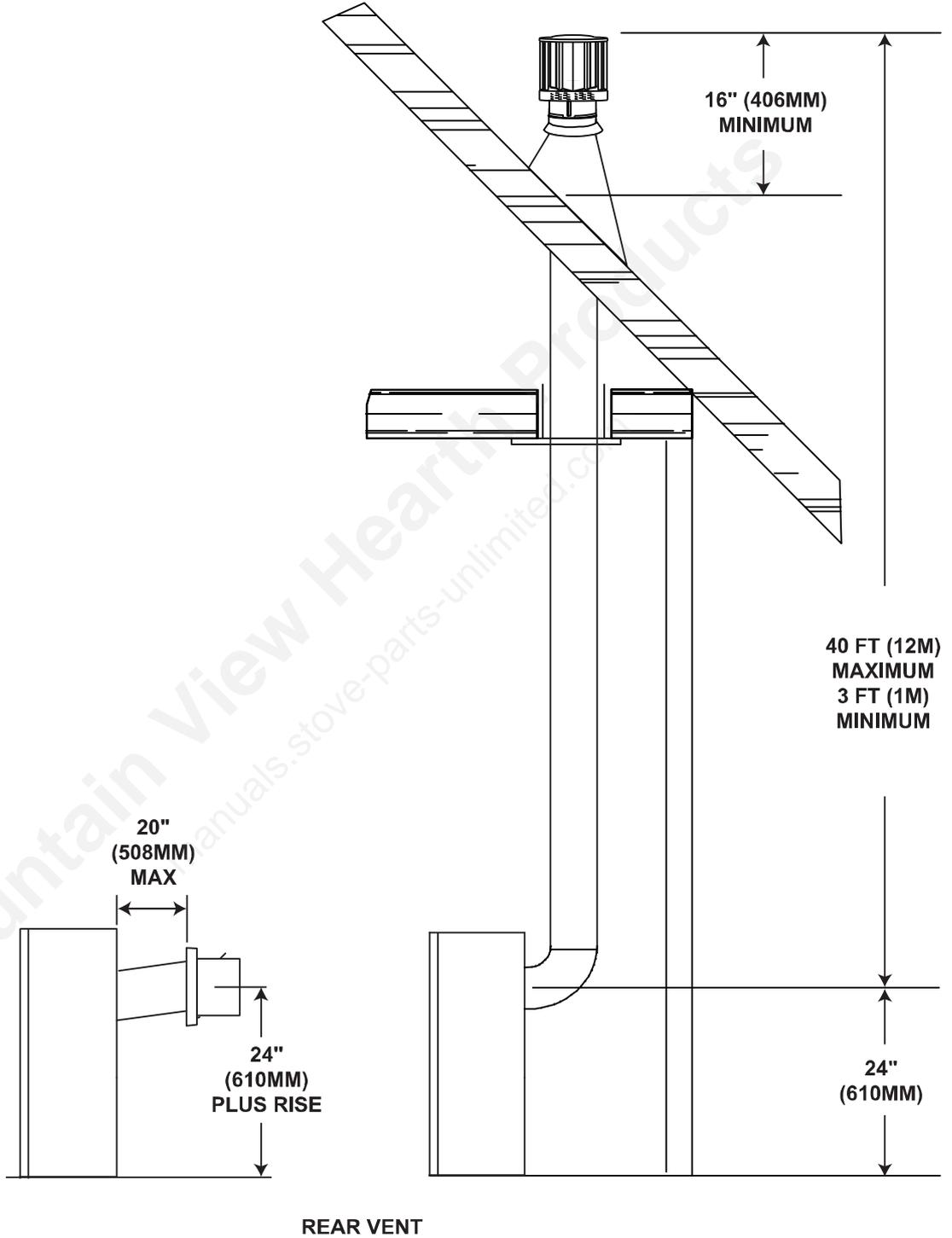
\*\* When a vertical rise is used as part of the venting configuration, a 0" (0mm) rise per foot is acceptable.

### 3.2 TYPICAL VENT INSTALLATION

EN



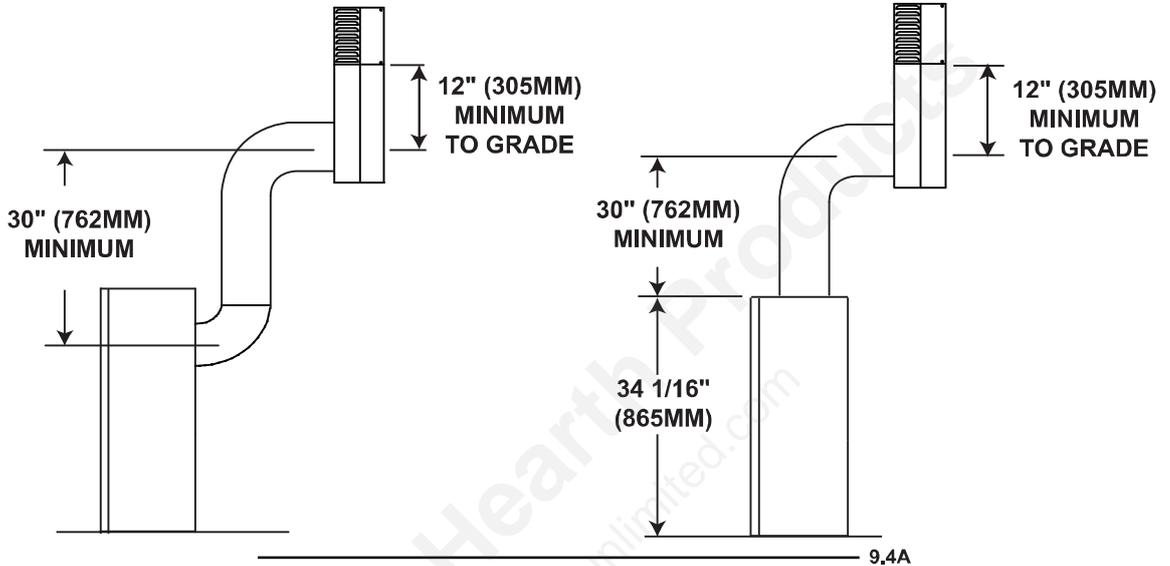
TOP VENT



### 3.3 SPECIAL VENT INSTALLATIONS

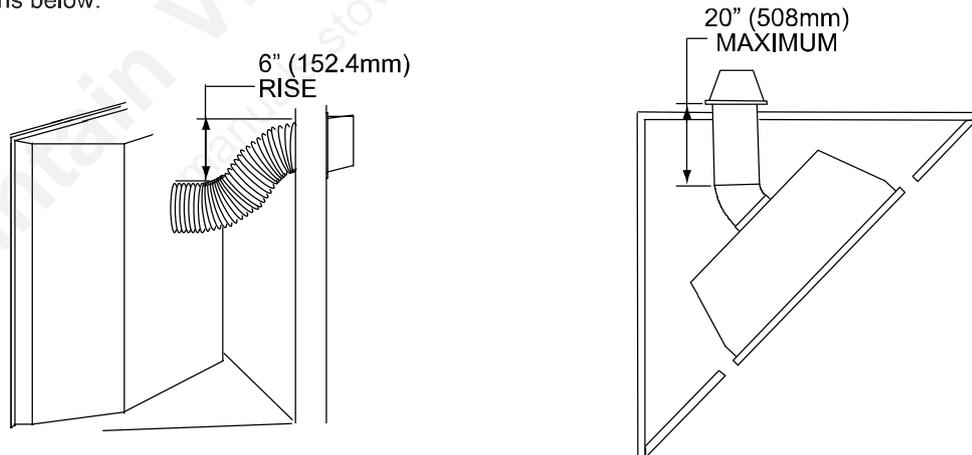
#### 3.3.1 PERISCOPE TERMINATION

Use the periscope kit to locate the air termination above grade. The periscope must be installed so that when final grading is completed, the bottom air slot is located a minimum 12" (304.8mm) above grade. The maximum allowable vent length is 10' (3.1m) for a fireplace and 8' (2.4m) for a stove.

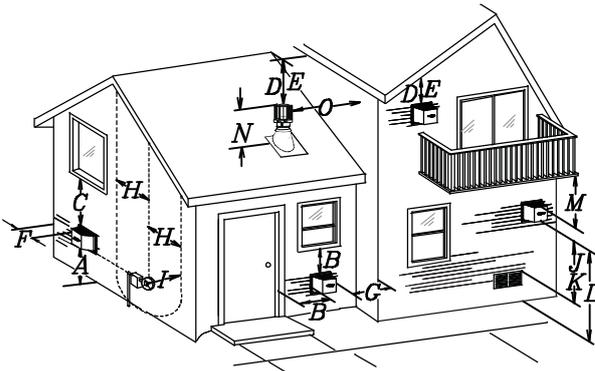


#### 3.3.2 CORNER TERMINATION

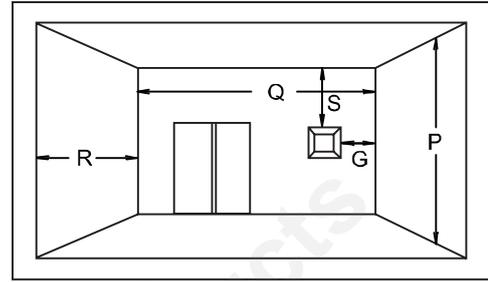
The maximum vent length for a corner installation is 20" (508mm) of horizontal run, in addition to the 45° offset. In this case zero rise is acceptable. However, it is recommended a 6" (152mm) rise be included. See illustrations below:



### 3.4 MINIMUM AIR TERMINAL LOCATION CLEARANCES



#### COVERED BALCONY APPLICATIONS ††\*



$Q_{MIN} = 3 \text{ feet}$ (0.9m)	$R_{MAX} = 2 \times Q_{ACTUAL}$	$R_{MAX} \leq 15 \text{ feet}$ (4.6m)
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INSTALLATIONS			
	CANADA	U.S.A.	
A	12" (305mm)	12" (305mm)	Clearance above grade, veranda porch, deck or balcony.
B	12" (305mm) <sup>Δ</sup>	9" (229mm) <sup>Δ</sup>	Clearance to windows or doors that open.
C	12" (305mm)*	12" (305mm)*	Clearance to permanently closed windows.
D	18" (457mm)**	18" (457mm)**	Vertical clearance to ventilated soffits located above the terminal within a horizontal distance of 2' (0.6m) from the center line of the terminal.
E	12" (305mm)**	12" (305mm)**	Clearance to unventilated soffit.
F	0" (0mm)	0" (0mm)	Clearance to an outside corner wall.
G	0" (0mm)***	0" (0mm)***	Clearance to an inside <b>non-combustible</b> corner wall or protruding <b>non-combustible</b> obstructions (chimney, etc.).
	2" (51mm)***	2" (51mm)***	Clearance to an inside <b>combustible</b> corner wall or protruding <b>combustible</b> obstructions (vent chase, etc.).
H	3' (0.9m)	3' (0.9m)****	Clearance to each side of the center line extended above the meter / regulator assembly to a maximum vertical distance of 15' (4.6m).
I	3' (0.9m)	3' (0.9m)****	Clearance to a service regulator vent outlet.
J	12" (305mm)	9" (229mm)	Clearance to a non-mechanical air supply inlet to the building or a combustion air inlet to any other appliance.
K	6' (1.8m)	3' (0.9m) †	Clearance to a mechanical air supply inlet.
L	7' (2.1m) ‡	7' (2.1m) ****	Clearance above a paved sidewalk or paved driveway located on public property.
M	12" (305mm) ††	12" (305mm)****	Clearance under a veranda, porch or deck.
N	16" (406mm)	16" (406mm)	Clearance above the roof.
O	2' (0.6m) †*	2' (0.6m) †*	Clearance from an adjacent wall including neighbouring buildings.
P	8' (2.4m)	8' (2.4m)	Roof must be <b>non-combustible</b> without openings.
Q	3' (0.9m)	3' (0.9m)	See chart for wider wall dimensions.
R	6' (1.8m)	6' (1.8m)	See chart for deeper wall dimensions. The terminal shall not be installed on any wall that has an opening between the terminal and the open side of the structure.
S	12" (305mm)	12" (305mm)	Clearance under a covered balcony

Δ The terminal shall not be located less than 6 feet under a window that opens on a horizontal plane in a structure with three walls and a roof.

\* Recommended to prevent condensation on windows and thermal breakage

\*\* It is recommended to use a heat shield and to maximize the distance to vinyl clad soffits.

\*\*\* The periscope requires a minimum 18 inches clearance from an inside corner.

\*\*\*\* This is a recommended distance. For additional requirements check local codes.

† 3 feet above if within 10 feet horizontally.

‡ A vent shall not terminate where it may cause hazardous frost or ice accumulations on adjacent property surfaces.

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

†\* Recommended to prevent recirculation of exhaust products. For additional requirements check local codes.

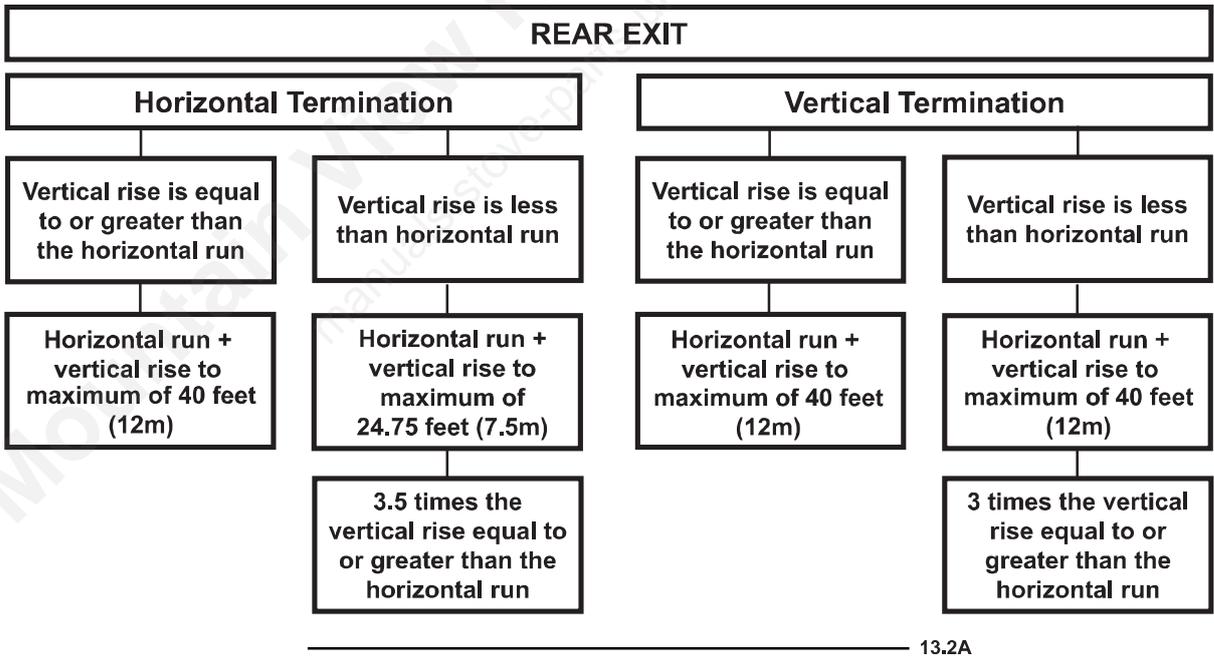
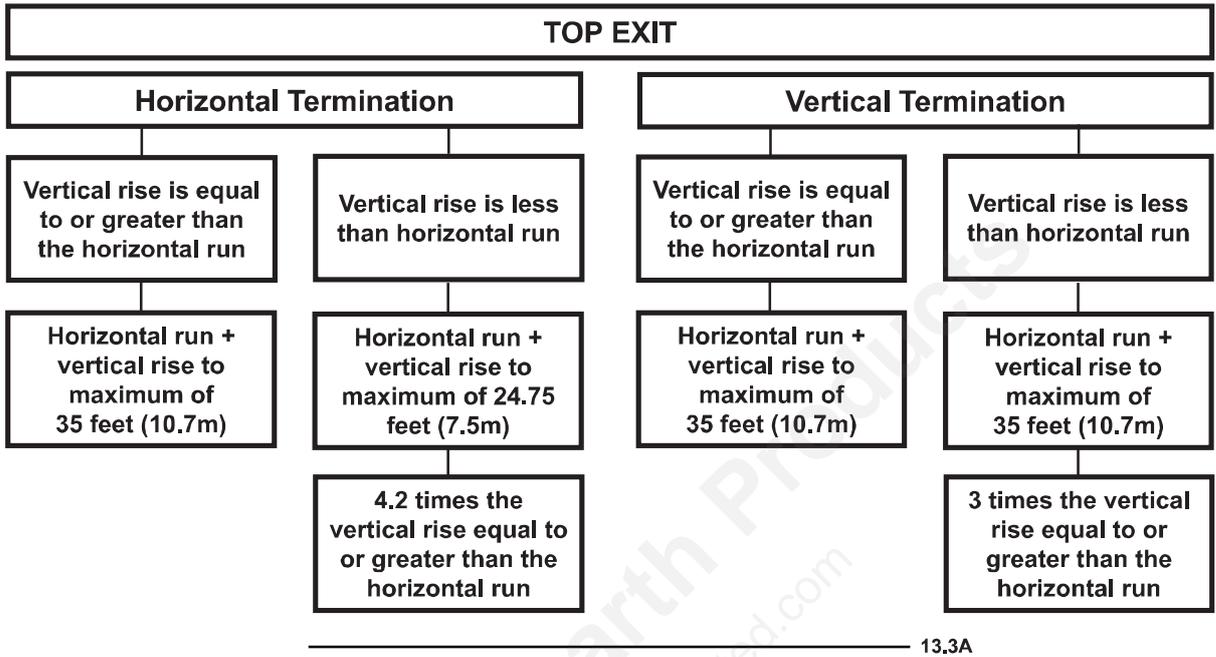
††\* Permitted only if the balcony is fully open on a minimum of one side.

**NOTE: Clearances are in accordance with local installation codes and the requirements of the gas supplier.**

12.1D

**3.5 VENTING APPLICATION FLOW CHART**

EN



**3.6 DEFINITIONS**

For the following symbols used in the venting calculations and examples are:

> - greater than

≥ - equal to or greater than

< - less than

≤ - equal to or less than

H<sub>T</sub> - total of both horizontal vent lengths (H<sub>r</sub>) and offsets (H<sub>o</sub>) in feet

H<sub>R</sub> - combined horizontal vent lengths in feet

H<sub>O</sub> - offset factor: .03 (total degrees of offset - 90°\*) in feet

V<sub>T</sub> - combined vertical vent lengths in feet

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14.1

**3.7 ELBOW VENT LENGTH VALUES**

	<u>FEET</u>	<u>INCHES</u>	<u>MILLIMETERS</u>
1°	0.03	0.5	12.7
15°	0.45	6.0	152.4
30°	0.9	11.0	279.4
45°	1.35	16.0	406.4
90°*	2.7	32.0	812.8

\* The first 90° offset has a zero value and is shown in the formula as - 90°

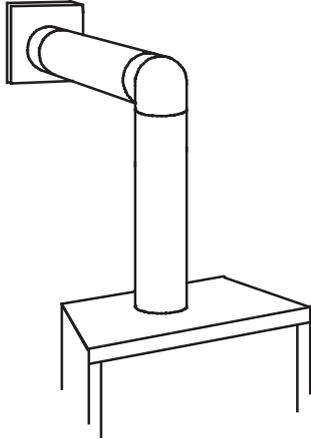
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15.1A

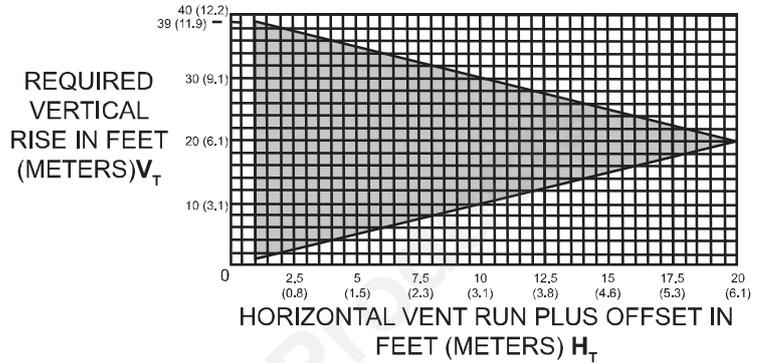
**3.8 TOP EXIT HORIZONTAL TERMINATION**

$(H_T) \leq (V_T)$

Simple venting configuration (only one 90° elbow)



See graph to determine the required vertical rise  $V_T$  for the required horizontal run  $H_T$



The shaded area within the lines represents acceptable values for  $H_T$  and  $V_T$

For vent configurations requiring more than one 90° elbow, the following formulas apply:

**Formula 1:**  $H_T \leq V_T$

**Formula 2:**  $H_T + V_T \leq 40 \text{ feet (12.2m)}$

**Example:**

$V_1 = 3 \text{ FT (0.9m)}$

$V_2 = 8 \text{ FT (2.4m)}$

$V_T = V_1 + V_2 = 3 \text{ FT (0.9m)} + 8 \text{ FT (2.4m)} = 11 \text{ FT (3.4m)}$

$H_1 = 2.5 \text{ FT (0.8m)}$

$H_2 = 2 \text{ FT (0.6m)}$

$H_R = H_1 + H_2 = 2.5 \text{ FT (0.8m)} + 2 \text{ FT (0.6m)} = 4.5 \text{ FT (1.4m)}$

$H_O = .03 \text{ (three } 90^\circ \text{ elbows } - 90^\circ) = .03 \text{ (} 270^\circ - 90^\circ) = 5.4 \text{ FT (1.7m)}$

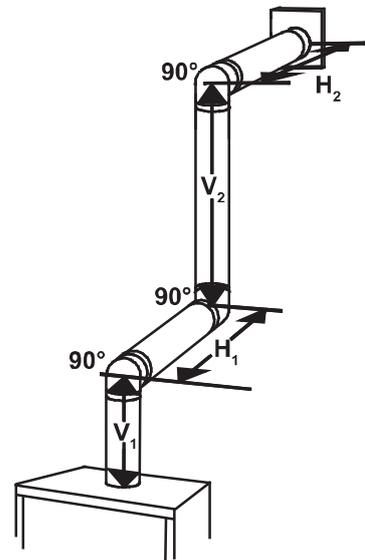
$H_T = H_R + H_O = 4.5 \text{ FT (1.4m)} + 5.4 \text{ FT (1.6m)} = 9.9 \text{ FT (3m)}$

$H_T + V_T = 9.9 \text{ FT (3m)} + 11 \text{ FT (3.4m)} = 20.9 \text{ FT (6.4m)}$

**Formula 1:**  $H_T \leq V_T$   
 $9.9 \text{ FT (3m)} \leq 11 \text{ FT (3.4m)}$

**Formula 2:**  $H_T + V_T \leq 40 \text{ FT (12.2m)}$   
 $20.9 \text{ FT (6.4m)} \leq 40 \text{ FT (12.2m)}$

Since both formulas are met, this vent configuration is acceptable.

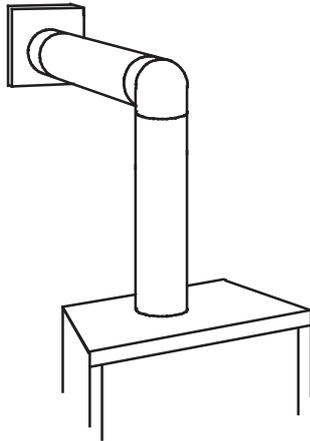


16.1B

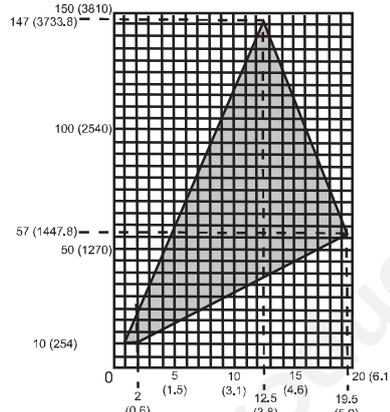
**$(H_T) > (V_T)$**

**Simple venting configuration (only one 90° elbow)**

See graph to determine the required vertical rise  $V_T$  for the required horizontal run  $H_T$ .



REQUIRED VERTICAL RISE IN INCHES (MILLIMETERS)  $V_T$



HORIZONTAL VENT RUN PLUS OFFSET IN FEET (METERS)  $H_T$   
The shaded area within the lines represents acceptable values for  $H_T$  and  $V_T$

For vent configurations requiring more than one 90° elbow, the following formulas apply:

**Formula 1:**  $H_T \leq 4.2 V_T$

**Formula 2:**  $H_T + V_T \leq 24.75$  feet (7.5m)

**Example:**

$V_1 = V_T = 6$  FT (1.8m)

$H_1 = 3$  FT (0.9m)

$H_2 = 5$  FT (1.5m)

$H_R = H_1 + H_2 = 3$  FT (0.9m) + 5 FT (1.5m) = 8 FT (2.4m)

$H_o = .03$  (two 90° elbows - 90°) = .03 (180° - 90°) = 2.7 FT (0.8m)

$H_T = H_R + H_o = 8$  FT (2.4m) + 2.7 FT (0.8m) = 10.7 FT (3.3m)

$H_T + V_T = 10.7$  FT (3.3m) + 6 FT (1.8m) = 16.7 FT (5.1m)

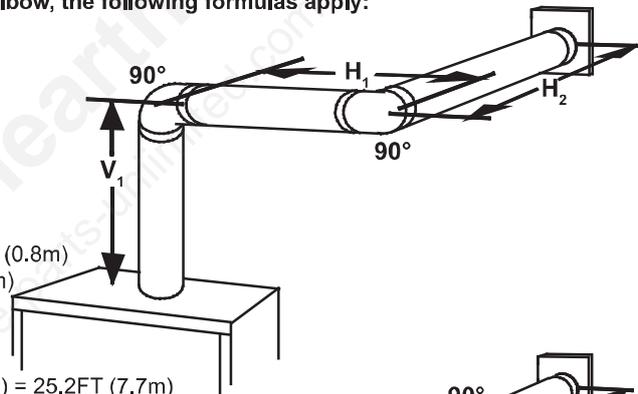
**Formula 1:**  $H_T \leq 4.2 V_T$

$4.2 V_T = 4.2$  FT (1.3m) x 6 FT (1.8m) = 25.2 FT (7.7m)

**Formula 2:**  $H_T + V_T \leq 24.75$  FT (7.5m)

16.7 FT (5.1m)  $\leq$  24.75 FT (7.5m)

Since both formulas are met, this vent configuration is acceptable.



**Example:**

$V_1 = 4$  FT (1.2m)

$V_2 = 1.5$  FT (0.5m)

$V_T = V_1 + V_2 = 4$  FT (1.2m) + 1.5 FT (0.5m) = 5.5 FT (1.7m)

$H_1 = 2$  FT (0.6m)

$H_2 = 1$  FT (0.3m)

$H_3 = 1$  FT (0.3m)

$H_4 = 1.5$  FT (0.5m)

$H_R = H_1 + H_2 + H_3 + H_4 = 2$  FT (0.6m) + 1 FT (0.3m) + 1 FT (0.3m) + 1.5 FT (0.5m) = 5.5 FT (1.7m)

$H_o = .03$  (four 90° elbows - 90°) = .03 (360° - 90°) = 8.1 FT (2.5m)

$H_T = H_R + H_o = 5.5$  FT (1.7m) + 8.1 FT (2.5m) = 13.6 FT (4.2m)

$H_T + V_T = 13.6$  FT (4.2m) + 5.5 FT (1.7m) = 19.1 FT (5.8m)

**Formula 1:**  $H_T \leq 4.2 V_T$

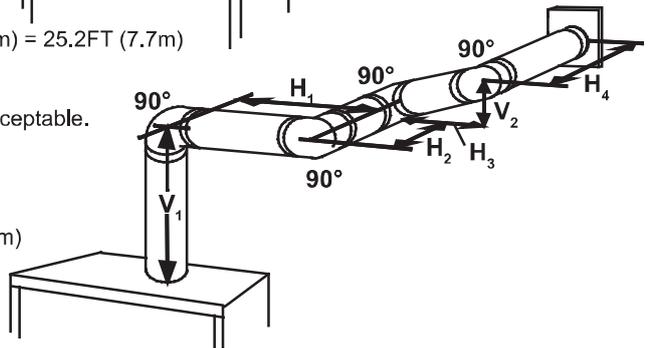
$4.2 V_T = 4.2$  FT (1.3m) x 5.5 FT (1.7m) = 23.1 FT (7m)

13.6 FT (4.2m)  $\leq$  23.1 FT (7m)

**Formula 2:**  $H_T + V_T \leq 24.75$  FT (7.5m)

19.1 FT (5.8m)  $\leq$  24.75 FT (7.5m)

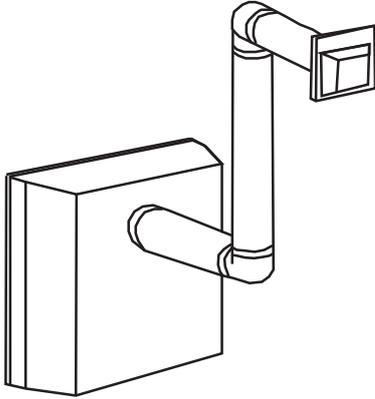
Since both formulas are met, this vent configuration is acceptable.



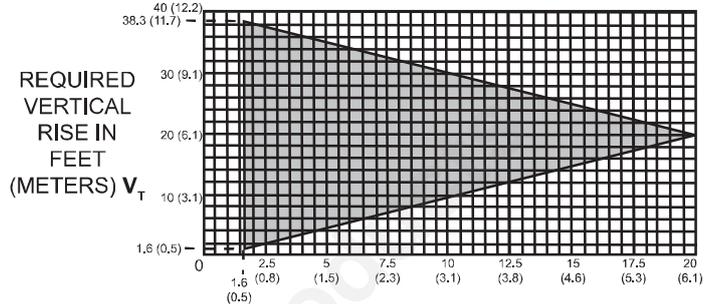
### 3.9 REAR EXIT HORIZONTAL TERMINATION

$$(H_T) \leq (V_T)$$

Simple venting configuration  
(only two 90° elbows)



See graph to determine the required vertical rise  $V_T$  for the required horizontal run  $H_T$ .



HORIZONTAL VENT RUN PLUS OFFSET IN FEET (METERS)  $H_T$   
The shaded area within the lines represents acceptable values for  $H_T$  and  $H_T$

For vent configurations requiring more than two 90° elbows, the following formulas apply:

Formula 1:  $H_T \leq V_T$

Formula 2:  $H_T + V_T \leq 40 \text{ feet (12.2m)}$

Example:

$V_1 = 9 \text{ FT (2.7m)}$

$V_2 = 6 \text{ FT (1.8m)}$

$V_T = V_1 + V_2 = 9\text{FT (2.7m)} + 6\text{FT (1.8m)} = 15\text{FT (4.6m)}$

$H_1 = 3 \text{ FT (0.9m)}$

$H_2 = 2 \text{ FT (0.6m)}$

$H_3 = 1.5 \text{ FT (0.5m)}$

$H_R = H_1 + H_2 + H_3 = 3\text{FT (0.9m)} + 2\text{FT (0.6m)} + 1.5\text{FT (0.5m)} = 6.5\text{FT (2m)}$

$H_O = .03 \text{ (four } 90^\circ \text{ elbows - } 90^\circ) = .03 \text{ (} 360^\circ - 90^\circ) = 8.1 \text{ FT (2.5m)}$

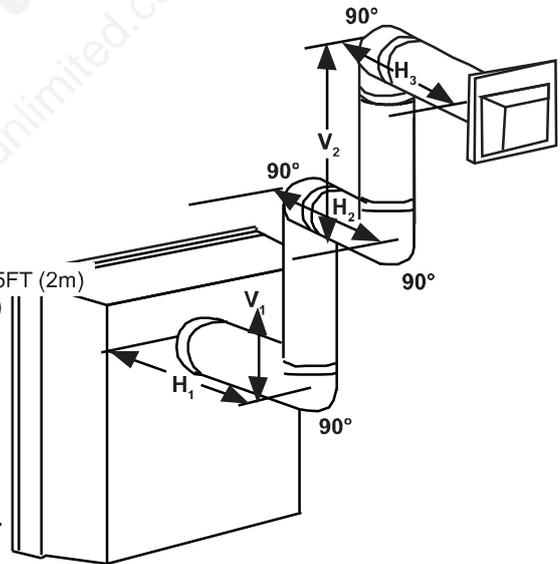
$H_T = H_R + H_O = 6.5\text{FT (2m)} + 8.1\text{FT (2.5m)} = 14.6\text{FT (4.5m)}$

$H_T + V_T = 14.6\text{FT (4.5m)} + 15\text{FT (4.6m)} = 29.6 \text{ FT (9m)}$

Formula 1:  $H_T \leq V_T$   
 $14.6 \text{ FT (4.5m)} \leq 15 \text{ FT (4.6m)}$

Formula 2:  $H_T + V_T \leq 40 \text{ FT (12.2m)}$   
 $29.6 \text{ FT (9m)} \leq 40 \text{ FT (12.2m)}$

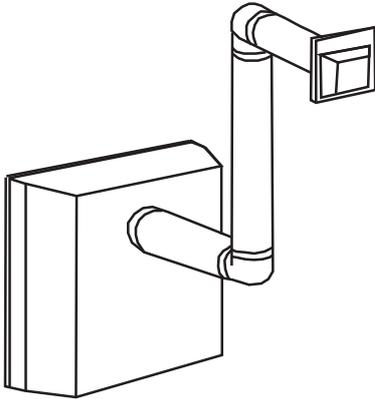
Since both formulas are met, this vent configuration is acceptable.



16.3A

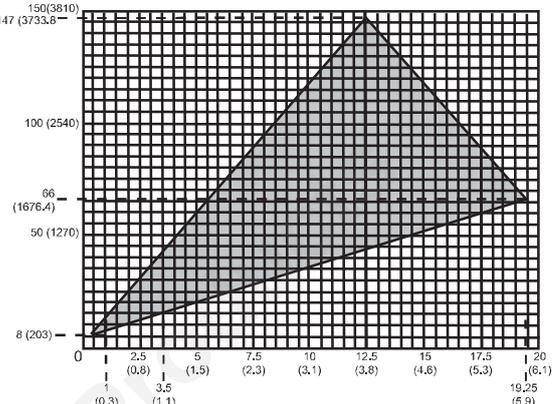
**$(H_T) > (V_T)$**

**Simple venting configuration  
(only two 90° elbows)**



See graph to determine the required vertical rise  $V_T$  for the required horizontal run  $H_T$ .

REQUIRED VERTICAL RISE IN INCHES (MILLIMETERS)  $V_T$



HORIZONTAL VENT RUN PLUS OFFSET IN FEET (METERS)  $H_T$

The shaded area within the lines represents acceptable values for  $H_T$  and  $V_T$

For vent configurations requiring more than two 90° elbows, the following formulas apply:

**Formula 1:**  $H_T \leq 3.5V_T$

**Formula 2:**  $H_T + V_T \leq 24.75$  feet (7.5m)

**Example:**

$V_1 = 4$  FT (1.2m)

$V_2 = 1.5$  FT (0.5m)

$V_T = V_1 + V_2 = 4$  FT (1.2m) + 1.5 FT (0.5m) = 5.5 FT (1.7m)

$H_1 = 2$  FT (0.6m)

$H_2 = 1$  FT (0.3m)

$H_3 = 1$  FT (0.3m)

$H_4 = 1.5$  FT (0.5m)

$H_R = H_1 + H_2 + H_3 + H_4 = 2$  FT (0.6m) + 1 FT (0.3m) + 1 FT (0.3m) + 1.5 FT (0.5m) = 5.5 FT (1.7m)

$H_O = .03$  (four 90° elbows + one 45° elbow - 90°)

$= .03$  (90 + 90 + 90 + 90 + 45 - 90) = 9.45 FT (2.9m)

$H_T = H_R + H_O = 5.5$  FT (1.7m) + 9.45 FT (2.9m) = 14.95 FT (4.6m)

$H_T + V_T = 14.95$  FT (4.6m) + 5.5 FT (1.7m) = 20.45 FT (6.2m)

**Formula 1:**

$H_T \leq 3.5V_T$

$3.5V_T = 3.5$  FT (1.1m) x 5.5 FT (1.7m) = 19.25 FT (5.9m)

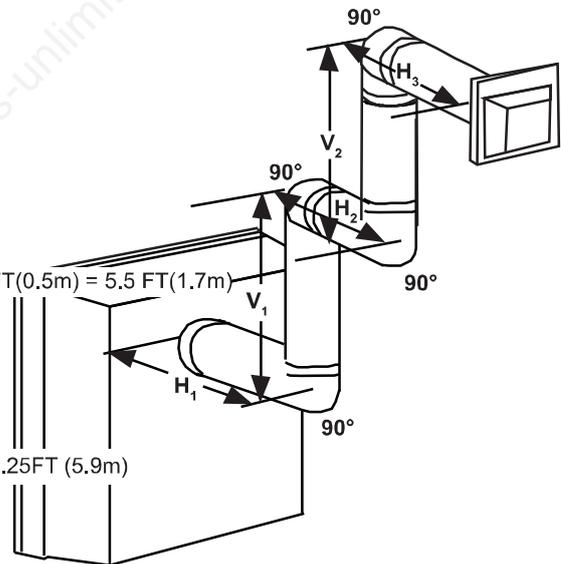
14.95 FT (4.6m)  $\leq$  19.25 FT (5.9m)

**Formula 2:**

$H_T + V_T \leq 24.75$  FT (7.5m)

20.45 FT (6.2m)  $\leq$  24.75 FT (7.5m)

Since both formulas are met, this vent configuration is acceptable.

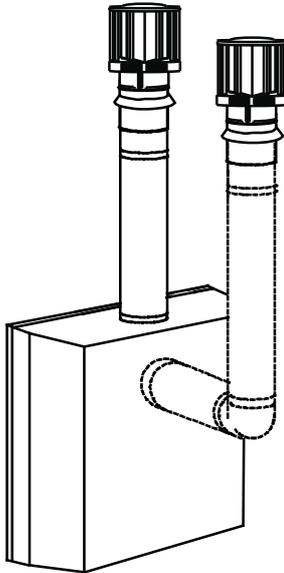


16.3\_2B

### 3.10 TOP OR REAR EXIT VERTICAL TERMINATION

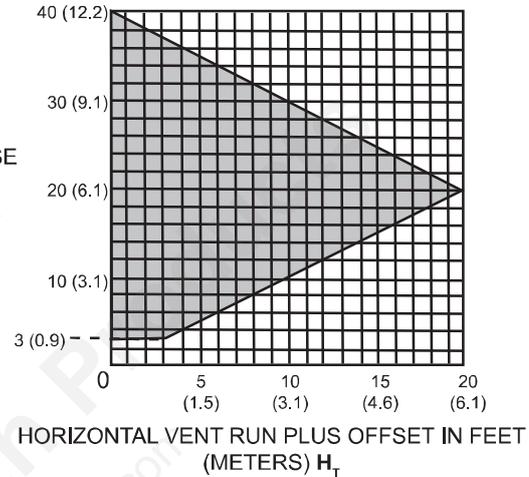
**$(H_T) \leq (V_T)$**

Simple venting configurations.



See graph to determine the required vertical rise  $V_T$  for the required horizontal run  $H_T$ .

REQUIRED VERTICAL RISE IN FEET (METERS)  $V_T$



The shaded area within the lines represents acceptable values for  $H_T$  and  $V_T$

For vent configurations requiring one or more 90° elbows (top exit) or one or more 90° elbows (rear exit), the following formulas apply:

Formula 1:  $H_T \leq V_T$

Formula 2:  $H_T + V_T \leq 40 \text{ feet (12.2m)}$

Example:

$V_1 = 5 \text{ FT (1.5m)}$

$V_2 = 6 \text{ FT (1.8m)}$

$V_3 = 10 \text{ FT (3.1m)}$

$V_T = V_1 + V_2 + V_3 = 5\text{FT (1.5m)} + 6\text{FT (1.8m)} + 10\text{FT (3.1m)} = 21 \text{ FT (6.4m)}$

$H_1 = 8 \text{ FT (2.4m)}$

$H_2 = 2.5 \text{ FT (0.8m)}$

$H_R = H_1 + H_2 = 8\text{FT (2.4m)} + 2.5\text{FT (0.8m)} = 10.5\text{FT (3.2m)}$

$H_o = .03 \text{ (four } 90^\circ \text{ elbows} - 90^\circ)$

$= .03 \text{ (} 360^\circ - 90^\circ) = 8.1 \text{ FT (2.5m)}$

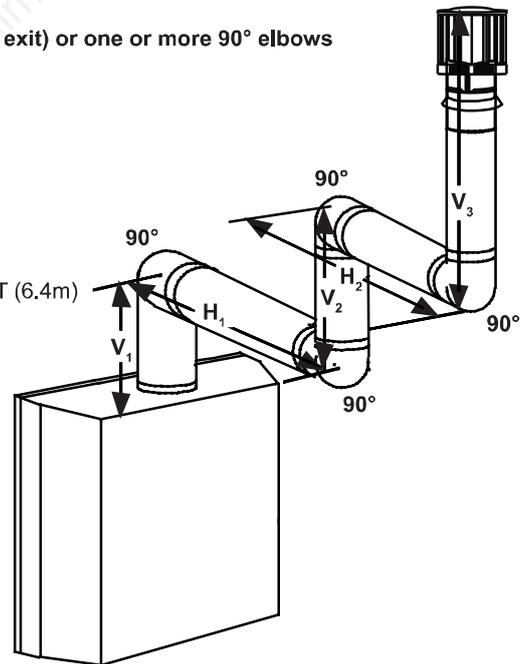
$H_T = H_R + H_o = 10.5\text{FT (3.2m)} + 8.1\text{FT (2.5m)} = 18.6\text{FT (5.7m)}$

$H_T + V_T = 18.6\text{FT (5.7m)} + 21\text{FT (6.4m)} = 39.6\text{FT (12.1m)}$

Formula 1:  $H_T \leq 3.5V_T$   
 $18.6 \text{ FT (5.7m)} \leq 21 \text{ FT (6.4m)}$

Formula 2:  $H_T + V_T \leq 40 \text{ FT (12.2m)}$   
 $39.6\text{FT (12.1m)} \leq 40 \text{ FT (12.2m)}$

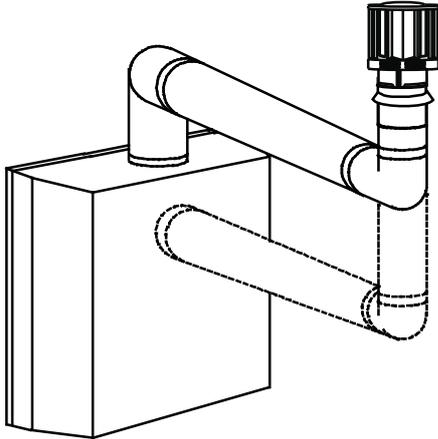
Since both formulas are met, this vent configuration is acceptable.



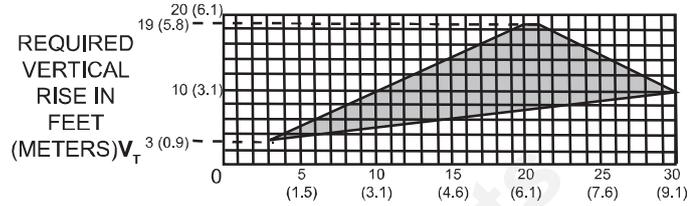
18.2A

**$(H_T) > (V_T)$**

Simple venting configurations.



See graph to determine the required vertical rise  $V_T$  for the required horizontal run  $H_T$ .



HORIZONTAL VENT RUN PLUS OFFSET IN FEET (METERS)  $H_T$

The shaded area within the lines represents acceptable values for  $H_T$  and  $H_T$

For vent configurations requiring more than two 90° elbows (top exit) or one 90° elbow (rear exit), the following formulas apply:

Formula 1:  $H_T \leq 3 V_T$

Formula 2:  $H_T + V_T \leq 40 \text{ feet (12.2m)}$

Example:

$V_1 = 2 \text{ FT (0.6m)}$

$V_2 = 1 \text{ FT (0.3m)}$

$V_3 = 1.5 \text{ FT (0.5m)}$

$V_T = V_1 + V_2 + V_3 = 2\text{FT (0.6m)} + 1\text{FT (0.3m)} + 1.5\text{FT (0.5m)} = 4.5 \text{ FT (1.4m)}$

$H_1 = 6 \text{ FT (1.8m)}$

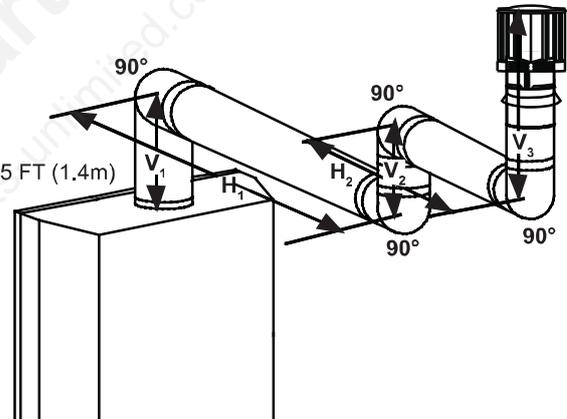
$H_2 = 2 \text{ FT (0.6m)}$

$H_R = H_1 + H_2 = 6\text{FT (1.8m)} + 2\text{FT (0.6m)} = 8 \text{ FT (2.4m)}$

$H_O = .03 \text{ (four } 90^\circ \text{ elbows - } 90^\circ)$   
 $= .03 \text{ (} 360^\circ - 90^\circ) = 8.1 \text{ FT (2.5m)}$

$H_T = H_R + H_O = 8\text{FT (2.4m)} + 8.1\text{FT (2.5m)} = 16.1\text{FT (4.9m)}$

$H_T + V_T = 16.1\text{FT (4.9m)} + 4.5\text{FT (1.4m)} = 20.6\text{FT (6.3m)}$



Formula 1:  $H_T \leq 3.5 V_T$   
 $3.5 V_T = 3\text{FT (0.9m)} \times 4.5\text{FT (1.4m)} = 13.5 \text{ FT (4.1m)}$   
 $16.1\text{FT (4.9m)} \leq 13.5 \text{ FT (4.1m)}$

Since this formula is not met, this vent configuration is **unacceptable**.

Formula 2:  $H_T + V_T \leq 40 \text{ FT (12.2m)}$   
 $16.1\text{FT (4.9m)} \leq 13.5 \text{ (4.1m)}$

Since only formula 2 is met, this vent configuration is unacceptable and a new fireplace location or vent configuration will need to be established to satisfy both formulas.

**Example:**

$$V_1 = 1.5 \text{ FT (0.5m)}$$

$$V_2 = 5 \text{ FT (1.5m)}$$

$$V_T = V_1 + V_2 = 1.5\text{FT (0.5m)} + 5\text{FT (1.5m)} = 6.5 \text{ FT (2m)}$$

$$H_1 = 1 \text{ FT (0.3m)}$$

$$H_2 = 1 \text{ FT (0.3m)}$$

$$H_3 = 10.75 \text{ FT (3.3m)}$$

$$H_R = H_1 + H_2 + H_3 = 1\text{FT (0.3m)} + 1\text{FT (0.3m)} + 10.75\text{FT (3.3m)} = 12.75\text{FT (3.9m)}$$

$$H_o = .03 \text{ (four } 90^\circ \text{ elbows + one } 45^\circ \text{ elbow - } 90^\circ)$$

$$= .03 \text{ (} 360^\circ + 45^\circ - 90^\circ) = 6.75 \text{ FT (2.1m)}$$

$$H_T = H_R + H_o = 12.75\text{FT (3.9m)} + 6.75\text{FT (2.1m)} = 19.5 \text{ FT (5.9m)}$$

$$H_T + V_T = 19.5\text{FT (5.9m)} + 6.5\text{FT (2m)} = 26 \text{ FT (7.9m)}$$

**Formula 1:**

$$H_T \leq 3 V_T$$

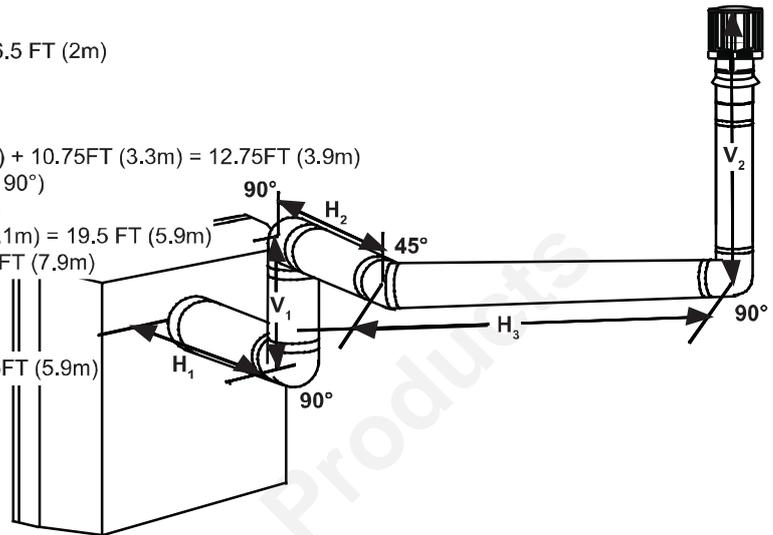
$$3 V_T = 3\text{FT (0.9m)} \times 6.5\text{FT (2m)} = 19.5\text{FT (5.9m)}$$

$$19.5\text{FT (5.9m)} = 19.5\text{FT (5.9m)}$$

**Formula 2:**

$$H_T + V_T \leq 40 \text{ FT (12.2m)}$$

$$26 \text{ FT (7.9m)} \leq 40 \text{ FT (12.2m)}$$



Since both formulas are met, this vent configuration is acceptable.

18.2\_3A

**3.11 REAR EXIT****! WARNING**

**FAILURE TO INSTALL THE CAP WILL CAUSE THE APPLIANCE TO FUNCTION IMPROPERLY AND CAN CAUSE INJURY OR PROPERTY DAMAGE.**

- Remove the safety screen and glass front, refer to "SAFETY SCREEN & DOOR REMOVAL / INSTALLATION" section.
- Remove the contents from the firebox and set aside, you will need the exhaust flue collar from the top of the log carton.
- To ease assembly, remove the four hex head screws securing the deflector from inside the top front of the firebox, refer to Figure 1.
- Place the gasket (provided) over the 4" (102mm) flue collar assembly and bend along perforation.
- From inside the firebox, insert the 4" (102mm) flue collar through the back of the firebox. Secure the flue collar assembly and gasket using the four hex head screws, refer to Figure 2. **NOTE: Do not overtighten. The gasket needs only to be snug against the firebox.**
- Re-attach the deflector using the four screws and install the log set, glass door and safety screen.

Fig. 1

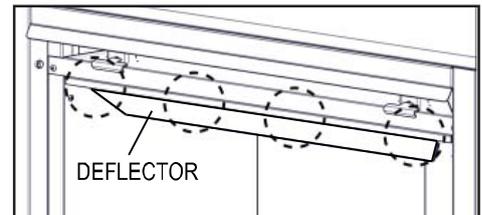


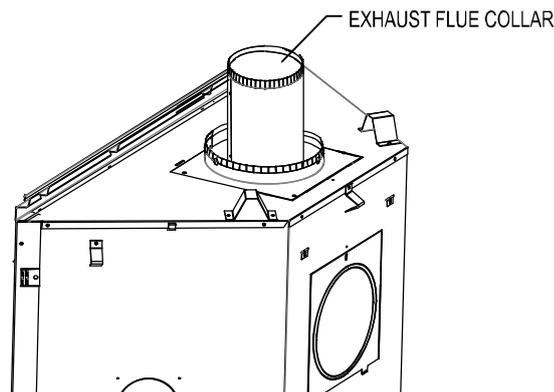
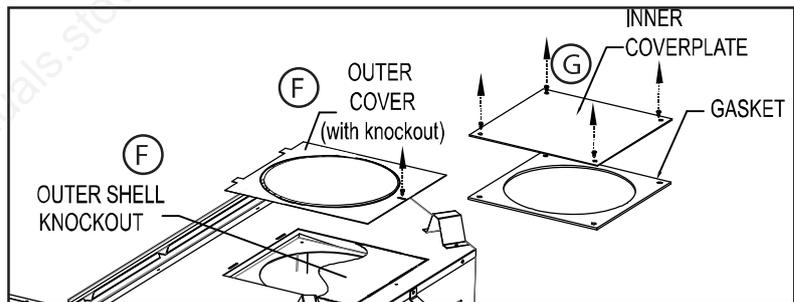
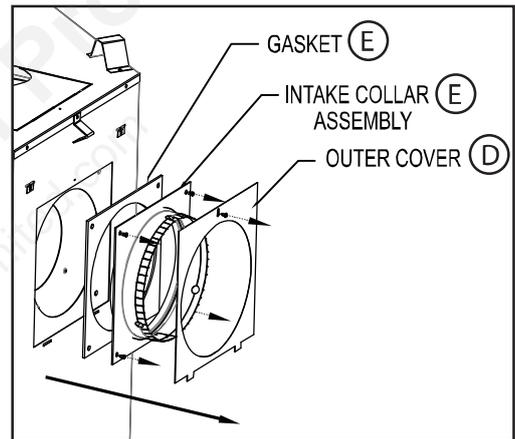
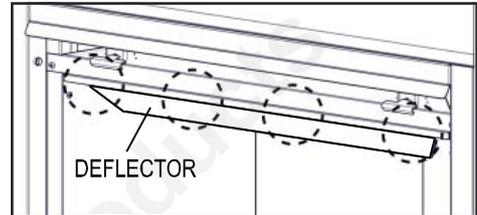
Fig. 2

**! WARNING**

**FAILURE TO INSTALL THE CAP WILL CAUSE THE APPLIANCE TO FUNCTION IMPROPERLY AND CAN CAUSE INJURY OR PROPERTY DAMAGE.**

**NOTE:** This appliance has been factory shipped as a rear vent.

- A. Remove the safety screen and glass front, refer to " SAFETY SCREEN & DOOR REMOVAL / INSTALLATION" section.
- B. Remove the contents from the firebox and set aside, you will need the flue collar from the top of the log carton.
- C. To ease assembly, remove the four hex head screws securing the deflector from inside the top front of the firebox.
- D. Remove the single screw from the outer cover on the back of the appliance.
- E. Remove the four screws on the 7" (178mm) intake collar assembly; set the intake collar and gasket aside. Careful not to damage gasket.
- F. Remove the single screw from the outer cover with knockout intact, on the top of the appliance and set aside.
- G. Remove the inner cover plate and gasket by removing the four screws. Reinstall the inner cover plate and gasket onto the back of the appliance.
- H. Take the outer cover (with knockout intact) and secure onto the back of the appliance.
- I. Place the 7" (178mm) intake collar and gasket into the top of the appliance and secure with the four screws.
- J. Re-install the outer cover (without knock out) over the 7" (178mm) exhaust collar assembly and secure.
- K. From inside the firebox, install the 4" (102mm) exhaust collar up through the top of the firebox and secure with the four hex head screws. **NOTE: Do not overtighten. The gasket needs only to be snug against the firebox.**
- L. Re-attach the top deflector, log set, glass door and safety screen.



## 4.0 INSTALLATION

<b>! WARNING</b>
<b>ENSURE TO UNPACK ALL LOOSE MATERIALS FROM INSIDE THE FIREBOX PRIOR TO HOOKING UP THE GAS AND ELECTRICAL SUPPLY.</b>
<b>IF YOUR APPLIANCE IS SUPPLIED WITH A REMOTE ENSURE THE REMOTE RECEIVER IS IN THE "OFF" POSITION PRIOR TO HOOKING UP THE GAS AND ELECTRICAL SUPPLY TO THE APPLIANCE.</b>
<b>FOR SAFE AND PROPER OPERATION OF THE APPLIANCE, FOLLOW THE VENTING INSTRUCTIONS EXACTLY.</b>
<b>ALL INNER EXHAUST AND OUTER INTAKE VENT PIPE JOINTS MAY BE SEALED USING EITHER RED RTV HIGH TEMP SILICONE SEALANT W573-0002 (NOT SUPPLIED) OR BLACK HIGH TEMP MILL PAC W573-0007 (NOT SUPPLIED) WITH THE EXCEPTION OF THE APPLIANCE EXHAUST FLUE COLLAR WHICH MUST BE SEALED USING MILL PAC.</b>
<b>IF USING PIPE CLAMPS TO CONNECT VENT COMPONENTS, 3 SCREWS MUST ALSO BE USED TO ENSURE THE CONNECTION CANNOT SLIP OFF.</b>
<b>DO NOT CLAMP THE FLEXIBLE VENT PIPE.</b>
<b>RISK OF FIRE, EXPLOSION OR ASPHYXIATION. IMPROPER SUPPORT OF THE ENTIRE VENTING SYSTEM MAY ALLOW VENT TO SAG AND SEPARATE. USE VENT RUN SUPPORTS AND CONNECT VENT SECTIONS PER INSTALLATION INSTRUCTIONS.</b>
<b>RISK OF FIRE, DO NOT ALLOW LOOSE MATERIALS OR INSULATION TO TOUCH THE VENT PIPE. REMOVE INSULATION TO ALLOW FOR THE INSTALLATION OF THE ATTIC SHIELD AND TO MAINTAIN CLEARANCES TO COMBUSTIBLES.</b>

68.2B

### 4.1 WALL AND CEILING PROTECTION

<b>! WARNING</b>
<b>DO NOT FILL THE SPACE BETWEEN THE VENT PIPE AND ENCLOSURE WITH ANY TYPE OF MATERIAL. DO NOT PACK INSULATION OR COMBUSTIBLES BETWEEN CEILING FIRESTOPS. ALWAYS MAINTAIN SPECIFIED CLEARANCES AROUND VENTING AND FIRESTOP SYSTEMS. INSTALL WALL SHIELDS AND FIRESTOPS AS SPECIFIED. FAILURE TO KEEP INSULATION OR OTHER MATERIALS AWAY FROM VENT PIPE MAY CAUSE FIRE.</b>

70.1

For clearances to combustible materials from the vent pipe, see "FRAMING" section.

### 4.1.1 HORIZONTAL INSTALLATION

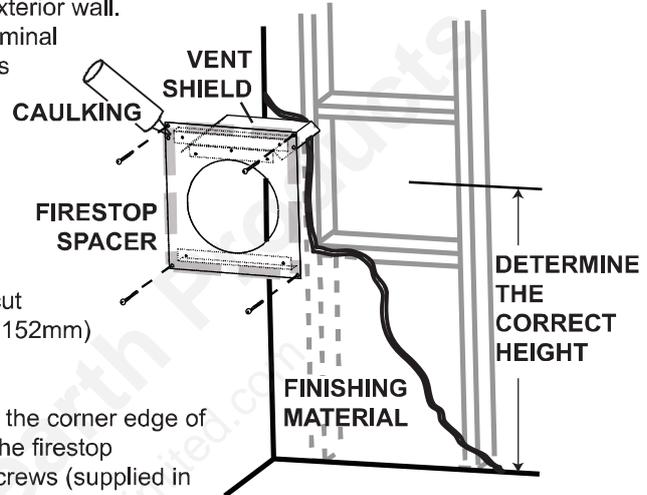
#### ! WARNING

THE FIRESTOP ASSEMBLY MUST BE INSTALLED WITH THE VENT SHIELD TO THE TOP.

TERMINALS MUST NOT BE RECESSED INTO A WALL OR SIDING MORE THAN THE DEPTH OF THE RETURN FLANGE OF THE MOUNTING PLATE.

This application occurs when venting through an exterior wall. Having determined the correct height for the air terminal location, cut and frame a hole in the exterior wall as illustrated to accommodate the firestop assembly. Dry fit the firestop assembly before proceeding to ensure the brackets on the rear surface fit to the inside surface of the horizontal framing.

The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration. The length of the vent shield may be cut shorter for combustible walls that are less than 6" (152mm) thick.



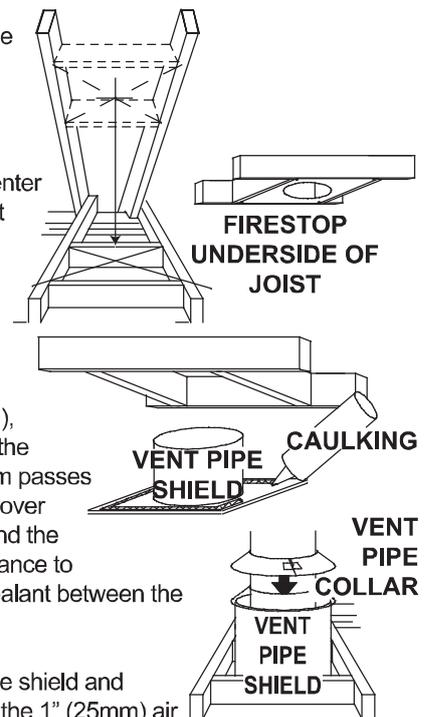
- A. Apply a bead of caulking (not supplied) around the corner edge of the inside surface of the firestop assembly, fit the firestop assembly to the hole and secure using the 4 screws (supplied in your manual baggie).
- B. Once the vent pipe is installed in its final position, apply high temperature sealant W573-0007 (not supplied) between the pipe and the firestop.

20.7

### 4.1.2 VERTICAL INSTALLATION

This application occurs when venting through a roof. Installation kits for various roof pitches are available from your authorized dealer / distributor. See accessories to order specific kits required.

- A. Determine the air terminal location, cut and frame a square opening as illustrated in the ceiling and the roof to provide the minimum 1" (25mm) clearance between the vent pipe and any combustible material. Try to center the vent pipe location midway between two joists to prevent having to cut them. Use a plumb bob to line up the center of the openings. A vent pipe shield will prevent any materials such as insulation, from filling up the 1" (25mm) air space around the pipe. Nail headers between the joist for extra support.
- B. Apply a bead of caulking (not supplied) to the framework or to the Wolf Steel vent pipe shield plate or equivalent (in the case of a finished ceiling), and secure over the opening in the ceiling. A firestop must be placed on the bottom of each framed opening in a roof or ceiling that the venting system passes through. Apply a bead of caulking all around and place a firestop spacer over the vent shield to restrict cold air from being drawn into the room or around the fireplace. Ensure that both spacer and shield maintain the required clearance to combustibles. Once the vent pipe is installed in its final position, apply sealant between the pipe and the firestop assembly.
- C. In the attic, slide the vent pipe collar down to cover up the open end of the shield and tighten. This will prevent any materials, such as insulation, from filling up the 1" (25mm) air space around the pipe.



21.1

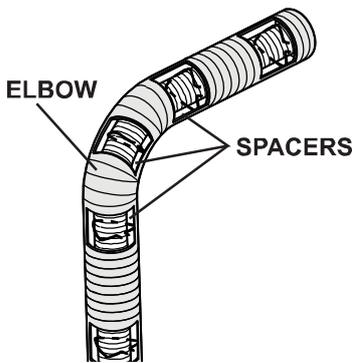
## 4.2 USING FLEXIBLE VENT COMPONENTS

**! WARNING**

**DO NOT ALLOW THE INNER FLEX PIPE TO BUNCH UP ON HORIZONTAL OR VERTICAL RUNS AND ELBOWS. KEEP IT PULLED TIGHT.**

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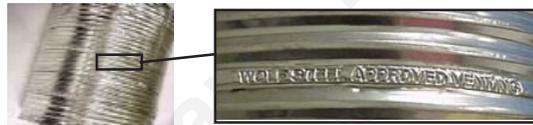
**SPACERS ARE ATTACHED TO THE INNER FLEX PIPE AT PREDETERMINED INTERVALS TO MAINTAIN AN EVEN AIR GAP TO THE OUTER FLEX PIPE. THIS GAP IS REQUIRED FOR SAFE OPERATION. A SPACER IS REQUIRED AT THE START, MIDDLE AND END OF EACH ELBOW TO ENSURE THIS GAP IS MAINTAINED. THESE SPACERS MUST NOT BE REMOVED.**



For safe and proper operation of the appliance, follow the venting instructions exactly.

All inner flex pipe and outer flex pipe joints may be sealed using high temperature sealant W573-0002 (not supplied) or the high temperature sealant W573-0007 Mill Pac (not supplied). However, the high temperature sealant W573-0007 Mill Pac (not supplied) must be used on the joint connecting the inner flex pipe and the exhaust flue collar.

**Use only approved flexible vent pipe kits marked:**

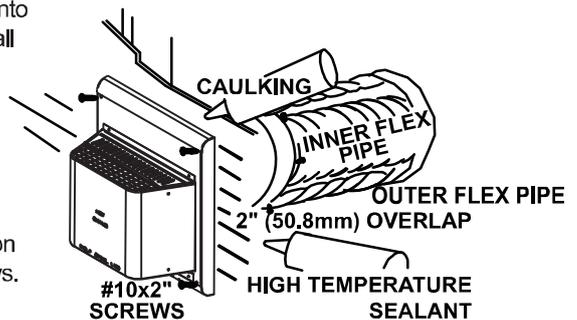


**“Wolf Steel Approved Venting” as identified by the stamp only on the outer flex pipe.**

22.1

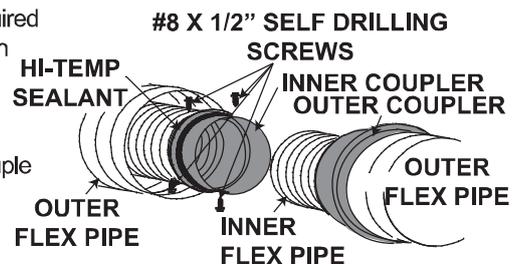
### 4.2.1 HORIZONTAL AIR TERMINAL INSTALLATION

- A. Stretch the inner flex pipe to the required length taking into account the additional length needed for the finished wall surface. Apply a heavy bead of the high temperature sealant W573-0007 Mill Pac (not supplied) to the inner sleeve of the air terminal. Slip the vent pipe a minimum of 2" (50.8mm) over the inner sleeve of the air terminal and secure with 3 #8 screws.



- B. Using the outer flex pipe, slide over the outer combustion air sleeve of the air terminal and secure with 3 #8 screws. Seal using high temperature sealant W573-0002 (not supplied).

- C. Insert the vent pipes through the firestop maintaining the required clearance to combustibles. Holding the air terminal (lettering in an upright, readable position), secure to the exterior wall and make weather tight by sealing with caulking (not supplied).



- D. If more vent pipe needs to be used to reach the fireplace, couple them together as illustrated. The vent system must be supported approximately every 3 feet (0.9m) for both vertical and horizontal runs. Use noncombustible strapping to maintain the minimum clearance to combustibles.

**The air terminal mounting plate may be recessed into the exterior wall or siding no greater than the depth of its return flange.**

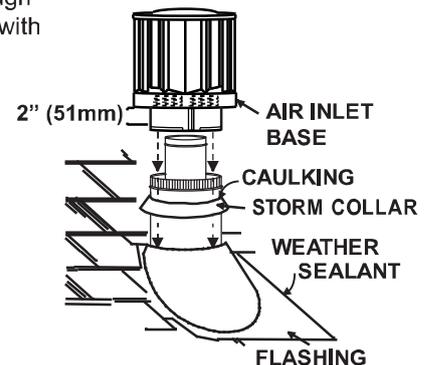
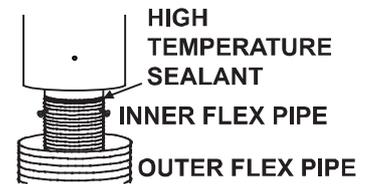
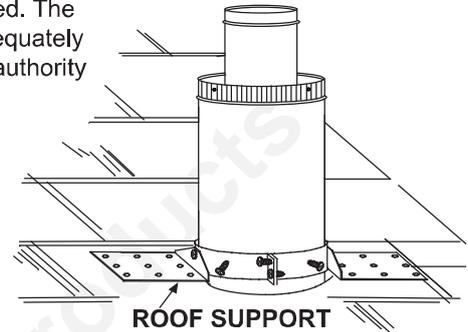
23.1B

## 4.2.2 VERTICAL AIR TERMINAL INSTALLATION

### ! WARNING

**MAINTAIN A MINIMUM 2" (51mm) SPACE BETWEEN THE AIR INLET BASE AND THE STORM COLLAR.**

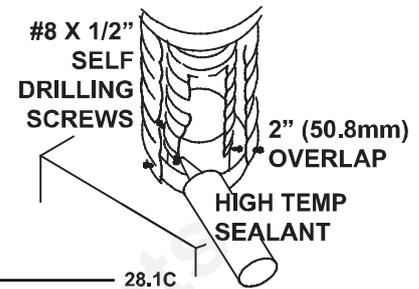
- A. Fasten the roof support to the roof using the screws provided. The roof support is optional. In this case the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.
- B. Stretch the inner flex pipe to the required length. Slip the inner flex pipe a minimum of 2" (51mm) over the inner pipe of the air terminal connector and secure with 3 #8 screws. Seal using a heavy bead of high temperature sealant W573-0007 (not supplied).
- C. Repeat using the outer flex pipe, using a heavy bead of high temperature sealant W573-0002 (not supplied).
- D. Thread the air terminal connector / vent pipe assembly down through the roof. The air terminal must be positioned vertically and plumb. Attach the air terminal connector to the roof support, ensuring that the top of the air terminal is 16" (406mm) above the highest point that it penetrates the roof.
- E. Remove nails from the shingles, above and to the sides of the air terminal connector. Place the flashing over the air terminal connector leaving a min. 3/4" (19mm) of the air terminal connector showing above the top of the flashing. Slide the flashing underneath the sides and upper edge of the shingles. Ensure that the air terminal connector is properly centred within the flashing, giving a 3/4" (19mm) margin all around. Fasten to the roof. Do not nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material.
- F. Aligning the seams of the terminal and air terminal connector, place the terminal over the air terminal connector making sure the vent pipe goes into the hole in the terminal. Secure with the three screws provided.
- G. Apply a heavy bead of weatherproof caulking 2" (51mm) above the flashing. Install the storm collar around the air terminal and slide down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal and the collar is achieved.
- H. If more vent pipe needs to be used to reach the appliance see "HORIZONTAL AIR TERMINAL INSTALLATION" section.



24.1A

### 4.2.3 APPLIANCE VENT CONNECTION

- A. Install the inner exhaust flue collar to the appliance. Secure with 3 screws. Seal the joint and screw holes using the high temperature sealant Mill-Pac W573-0007 (not supplied).
- B. Install the outer flex pipe to the appliance. Attach and seal the joints using a high temperature sealant.



28.1C

### 4.3 USING RIGID VENT COMPONENTS

The vent system must be supported approximately every 3 feet (0.9m) for both vertical and horizontal runs. Use Wolf Steel Ltd. support ring assembly or equivalent noncombustible strapping to maintain the minimum clearance to combustibles for both vertical and horizontal runs.

All inner exhaust and outer intake vent pipe joints may be sealed using either red high temperature silicone sealant W573-0002 (not supplied) or black high temperature sealant W573-0007 Mill Pac (not supplied) with the exception of the appliance exhaust flue collar which must be sealed using Mill Pac.

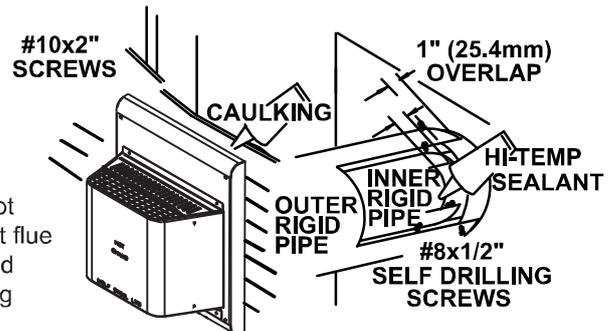
25.1A

#### 4.3.1 HORIZONTAL AIR TERMINAL INSTALLATION

## ! WARNING

**RISK OF FIRE, DO NOT ALLOW LOOSE MATERIALS OR INSULATION TO TOUCH THE VENT PIPE. REMOVE INSULATION TO ALLOW FOR THE INSTALLATION OF THE ATTIC SHIELD AND TO MAINTAIN CLEARANCES TO COMBUSTIBLES.**

- A. Move the appliance into position. Measure the vent length required between terminal and appliance taking into account the additional length needed for the finished wall surface and any 1/4" (31.8mm) overlaps between venting components.
- B. Apply high temperature sealant W573-0007 (not supplied) to the outer edge of the inner exhaust flue collar of the appliance. Attach the first inner rigid pipe component and secure using 3 self tapping screws. Repeat using the outer rigid pipe.
- C. Insert the vent pipes through the firestop maintaining the required clearance to combustibles. Holding the air terminal (lettering in an upright, readable position), secure to the exterior wall and make weather tight by sealing with caulking (not supplied).

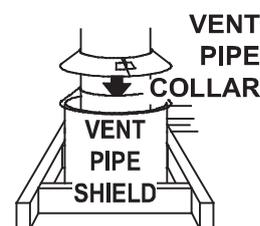
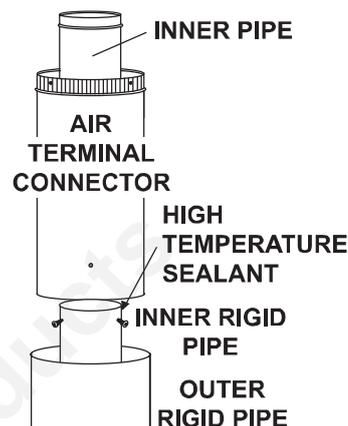


26.1A

The air terminal mounting plate may be recessed into the exterior wall or siding no greater than the depth of the return flange.

### 4.3.2 VERTICAL AIR TERMINAL INSTALLATION

- A. Move the appliance into position.
- B. Fasten the roof support to the roof using the screws provided. The roof support is optional. In this case the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.
- C. Apply high temperature sealant (not supplied) to the outer edge of the inner sleeve of the air terminal. Slip the inner coupler a minimum of 2" (51mm) over the sleeve and secure using 3 screws.
- D. Apply high temperature sealant (not supplied) to the outer edge of the of the outside sleeve of the air terminal connector. Slip the outer coupler over the sleeve and secure as before. Trim the outer coupler even with the inner coupler end.
- E. Thread the air terminal connector / vent pipe assembly down through the roof support and attach, ensuring that a minimum 16" (406mm) of air terminal connector will penetrate the roof when fastened. If the attic space is tight, we recommend threading the Wolf Steel vent pipe collar or equivalent loosely onto the air terminal connector / vent pipe assembly as it is passed through the attic. The air terminal connector must be located vertically and plumb.
- F. Remove nails from the shingles, above and to the sides of the air terminal connector. Place the flashing over the air terminal connector and slide it underneath the sides and upper edge of the shingles. Ensure that the air terminal connector is properly centered within the flashing, giving a 3/4" (19mm) margin all around. Fasten to the roof. Do NOT nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material.
- G. Apply a heavy bead of waterproof caulking 2" (51mm) above the flashing. Install the storm collar around the air terminal and slide down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal connector and the collar is achieved.
- H. Continue adding rigid venting sections, sealing and securing as above. Attach the inner collapsed telescopic sleeve to the last section of rigid piping. Secure with screws and seal. Repeat using the outer telescopic sleeve.
- I. Run a bead of high temperature sealant (not supplied) around the outside of the inner exhaust flue collar on the appliance. Pull the telescopic sleeve a minimum of 2" (51mm) onto the collar. Secure with 3 screws. Repeat with the outer telescopic sleeve.
- J. In the attic, slide the vent pipe collar down to cover up the open end of the shield and tighten. This will prevent any materials, such as insulation, from filling up the 1" (25mm) air space around the pipe.



27.2A

### 4.4 RESTRICTING VERTICAL VENTS

Vertical installations may display a very active flame. If this appearance is not desirable, the vent exit must be restricted using a restrictor vent kit. Refer to "ACCESORIES" in the "REPLACEMENTS" section for the appropriate kit. This will reduce the velocity of the exhaust gases, slowing down the flame pattern and creating a more traditional gentle flame appearance. Specific instructions are included with the kit.

77.3

## 4.5 VERTICAL THROUGH EXISTING CHIMNEY

### ! WARNING

RISK OF FIRE!

**CO-AXIAL TO CO-LINEAR VENTING CONFIGURATIONS MUST ONLY BE USED IN A NON-COMBUSTIBLE CHIMNEY OR ENCLOSURE. INSTALLATION IN A COMBUSTIBLE ENCLOSURE COULD RESULT IN A FIRE.**

This appliance is designed to be attached to a 3" (76.2mm) co-linear aluminum flex vent system running the full length of a masonry chimney.

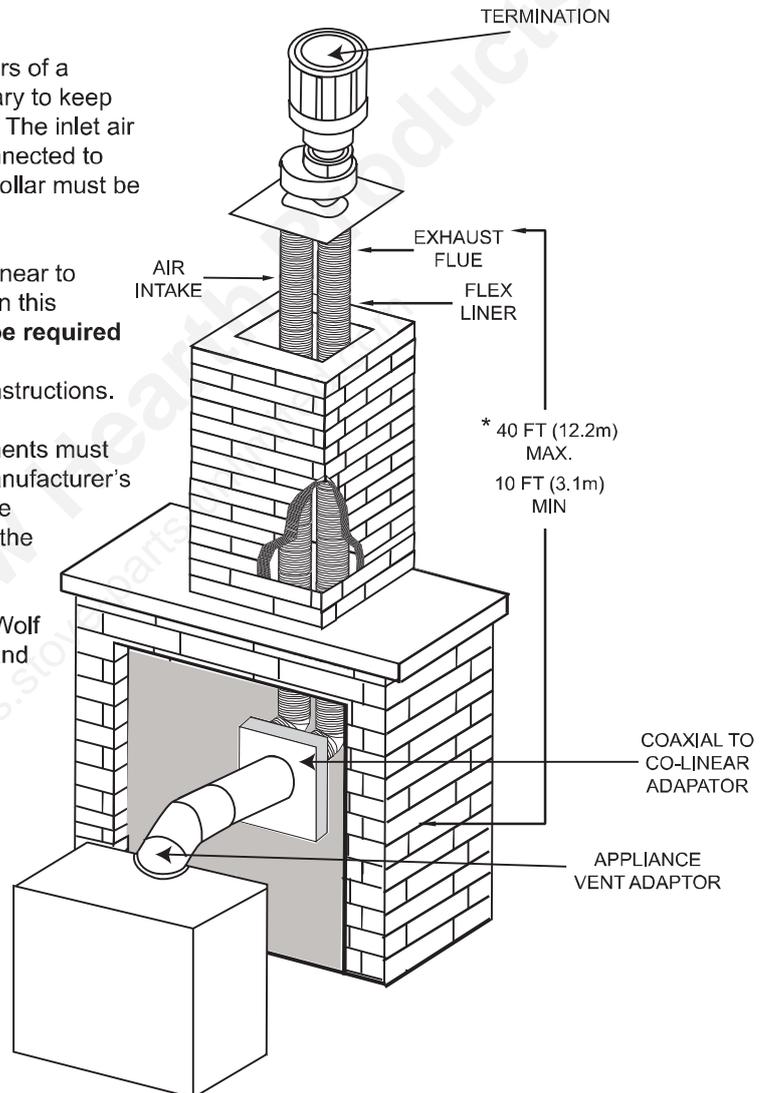
The flex liners accommodate any contours of a masonry chimney, however, it is necessary to keep the flexible liners as straight as possible. The inlet air collar of the termination cap must be connected to the air intake flex liner and the exhaust collar must be connected to the exhaust flexible liner.

Both Simpson Duravent and Selkirk co-linear to co-axial adaptors have been approved on this appliance (**NOTE: A vent adaptor will be required directly off the appliance**).

Follow vent manufacturer's installation instructions.

Different manufacturer's venting components must not be combined. Once the preferred manufacturer's appliance adaptor has been attached, the remainder of the system must be that of the same manufacturer.

The only exception to this rule is to use Wolf Steel's approved 3" (76.2mm) flex liner and co-linear termination.



7.6A

## 4.6 MOBILE HOME INSTALLATION

This appliance is also certified to be installed as an OEM (Original Equipment Manufacturer) installation in a manufactured home (U.S. only) or mobile home and must be installed in accordance with the manufacturer's instructions and the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States or the Mobile Home Standard, CAN/CSA Z240 MH Series, in Canada. This appliance is only for use with the type(s) of gas indicated on the rating plate.

This Mobile/Manufactured Home Listed appliance comes factory equipped with a means to secure the unit. Built in appliances are equipped with 1/4" (6.4mm) diameter holes located in the front left and right corners of the base. Use #10 hex head screws, inserted through the holes in the base to secure. For free standing products contact your local authorized dealer / distributor for the appropriate securing kit. For mobile home installations, the appliance must be fastened in place. It is recommended that the appliance be secured in all installations. Always turn off the pilot and the fuel supply at the source, prior to moving the mobile home. After moving the mobile home and prior to lighting the appliance, ensure that the logs are positioned correctly.

This appliance is certified to be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.

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

A conversion kit is supplied with the mobile home appliance.

### Conversion Kits

This appliance is field convertible between Natural Gas (NG) and Propane (LP).

To convert from one gas to another consult your Authorized dealer/distributor.

29.1A

## 4.7 GAS INSTALLATION

<b>! WARNING</b>
<b>RISK OF FIRE, EXPLOSION OR ASPHYXIATION. ENSURE THERE ARE NO IGNITION SOURCES SUCH AS SPARKS OR OPEN FLAMES.</b>
<b>SUPPORT GAS CONTROL WHEN ATTACHING GAS SUPPLY PIPE TO PREVENT DAMAGING GAS LINE.</b>
<b>ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RUN OUT WITH THE GLASS DOOR OPENED OR REMOVED. PURGING OF THE GAS SUPPLY LINE SHOULD BE PERFORMED BY A QUALIFIED SERVICE TECHNICIAN. ASSURE THAT A CONTINUOUS GAS FLOW IS AT THE BURNER BEFORE CLOSING THE DOOR. ENSURE ADEQUATE VENTILATION. FOR GAS AND ELECTRICAL LOCATIONS, SEE "DIMENSION" SECTION.</b>
<b>ALL GAS CONNECTIONS MUST BE CONTAINED WITHIN THE APPLIANCE WHEN COMPLETE.</b>
<b>HIGH PRESSURE WILL DAMAGE VALVE. DISCONNECT GAS SUPPLY PIPING BEFORE TESTING GAS LINE AT TEST PRESSURES ABOVE 1/2 PSIG.</b>
<b>VALVE SETTINGS HAVE BEEN FACTORY SET, DO NOT CHANGE.</b>

Installation and servicing to be done by a qualified installer. **Do not use open flame.**

- Move the appliance into position and secure.
- If equipped with a flex connector the appliance is designed to accept a 1/2" (13mm) gas supply. Without the connector it is designed to accept a 3/8" (9.5mm) gas supply. The appliance is equipped with a manual shut off valve to turn off the gas supply to the appliance.
- Connect the gas supply in accordance to local codes. In the absence of local codes, install to the current CAN/CSA-B149.1 Installation Code in Canada or to the current National Fuel Gas Code, ANSI Z223.1 / NFPA 54 in the United States.
- When flexing any gas line, support the gas valve so that the lines are not bent or kinked.
- Check for gas leaks by brushing on a soap and water solution.

30.1A

## 4.8 OPTIONAL WALL SWITCH

<b>! WARNING</b>
<b>DO NOT CONNECT EITHER THE WALL SWITCH, THERMOSTAT OR GAS VALVE DIRECTLY TO 110 VOLT ELECTRICITY.</b>

For ease of accessibility, an optional remote wall switch or millivolt thermostat may be installed in a convenient location. Route a 2 strand, solid core millivolt wire from the valve to the wall switch or millivolt thermostat. The recommended maximum lead length depends on wire size:

<b>WIRE SIZE</b>	<b>MAX. LENGTH</b>
14 gauge (1.8mm)	100 feet (30.5m)
16 gauge (1.5mm)	60 feet (18.3m)
18 gauge (1.2mm)	40 feet (12.2m)

\* Refer to "WIRING DIAGRAM"

50.6

## 5.0 FRAMING

### 5.1 B36 FRAMING

#### **WARNING**

##### **RISK OF FIRE!**

IN ORDER TO AVOID THE POSSIBILITY OF EXPOSED INSULATION OR VAPOUR BARRIER COMING IN CONTACT WITH THE APPLIANCE BODY, IT IS RECOMMENDED THAT THE WALLS OF THE APPLIANCE ENCLOSURE BE "FINISHED" (IE: DRYWALL / SHEETROCK), AS YOU WOULD FINISH ANY OTHER OUTSIDE WALL OF A HOME. THIS WILL ENSURE THAT CLEARANCE TO COMBUSTIBLES IS MAINTAINED WITHIN THE CAVITY.

DO NOT NOTCH THE FRAMING AROUND THE APPLIANCE STAND-OFFS. FAILURE TO MAINTAIN AIR SPACE CLEARANCE MAY CAUSE OVER HEATING AND FIRE. PREVENT CONTACT WITH SAGGING OR LOOSE INSULATION OR FRAMING AND OTHER COMBUSTIBLE MATERIALS. BLOCK OPENING INTO THE CHASE TO PREVENT ENTRY OF BLOWN-IN INSULATION. MAKE SURE INSULATION AND OTHER MATERIALS ARE SECURED.

WHEN CONSTRUCTING THE ENCLOSURE ALLOW FOR FINISHING MATERIAL THICKNESS TO MAINTAIN CLEARANCES. FRAMING OR FINISHING MATERIAL CLOSER THAN THE MINIMUMS LISTED MUST BE CONSTRUCTED ENTIRELY OF NON-COMBUSTIBLE MATERIALS. MATERIALS CONSISTING ENTIRELY OF STEEL, IRON, BRICK, TILE, CONCRETE, SLATE, GLASS OR PLASTERS, OR ANY COMBINATION THEREOF ARE SUITABLE. MATERIALS THAT ARE REPORTED AS PASSING ASTM E 136, STANDARD TEST METHOD FOR BEHAVIOUR OF MATERIALS IN A VERTICAL TUBE FURNACE AT 1382° F (750°C) AND UL763 SHALL BE CONSIDERED NON-COMBUSTIBLE MATERIALS.

MINIMUM CLEARANCE TO COMBUSTIBLES MUST BE MAINTAINED OR A SERIOUS FIRE HAZARD COULD RESULT.

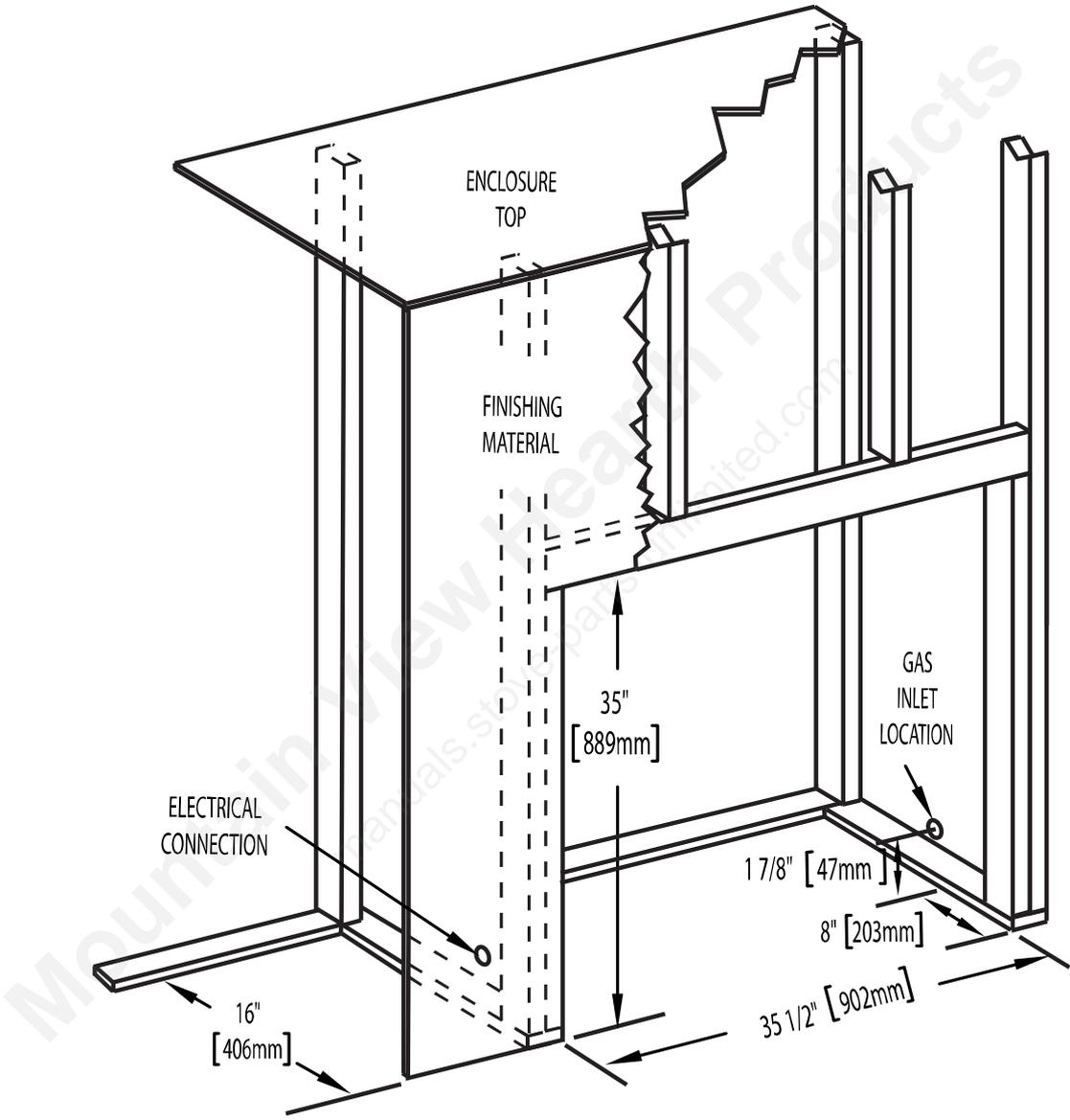
THE APPLIANCE REQUIRES A MINIMUM ENCLOSURE HEIGHT. MEASURE FROM THE APPLIANCE BASE.

IF STEEL STUD FRAMING KITS WITH CEMENT BOARD ARE PROVIDED, OR SPECIFIED IN THE INSTALLATION INSTRUCTIONS. THEY MUST BE INSTALLED.

FINISHING MUST BE DONE USING A NON-COMBUSTIBLE MATERIAL EXTENDING FROM THE TOP OF THE APPLIANCE SUCH AS NON-COMBUSTIBLE BOARD, CERAMIC TILE, MARBLE, ETC. DO **NOT** USE WOOD OR DRYWALL.  
ANY FIRE RATED DRYWALL IS NOT ACCEPTABLE.

71.1B

5.1.1 MINIMUM FRAMING DIMENSIONS B36



It is best to frame your appliance after it is positioned and the vent system is installed. Frame to local building codes.

It is not necessary to install a hearth extension with this appliance.

When roughing in the appliance, raise the appliance to accommodate for the thickness of the finished floor materials, i.e. tile, carpeting, hard wood, which if not planned for will interfere with the opening of the lower access door and the installation of many decorative flashing accessories.

Combustible materials may be installed flush with the front of the appliance but must not cover any of the black face-areas of the appliance. Non-combustible material (brick, stone or ceramic tile) may protrude in these areas.

**Minimum clearance to combustible construction from appliance and vent surfaces:**

**Combustible Framing:**

- 0" to stand-offs
- 1" (25mm) to bottom and sides of the vent pipe\*
- 3" (76mm) to top of the vent pipe\*

**Combustible Finishing:**

- 0" to rear stand offs
- 0" to front face top and sides

**Top Exit**

- 50 1/2" (1283mm) to combustible enclosure top from base of the appliance
- 54" (1372mm) to ceiling from base of the appliance

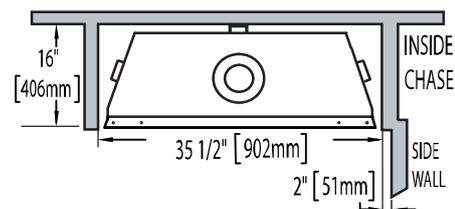
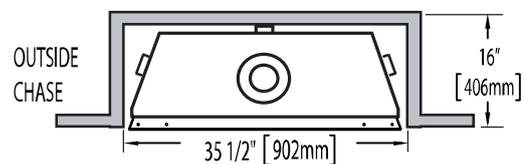
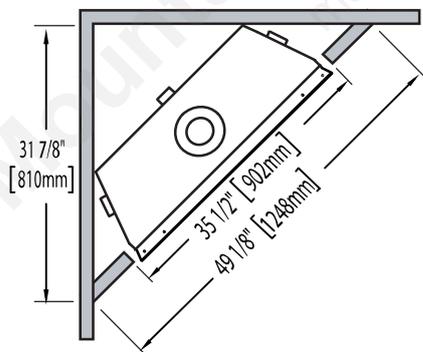
**Rear Exit**

- 41" (1041mm) to combustible enclosure top from base of the appliance
- 54" (1372mm) to ceiling from base of the appliance

\* **B36 HORIZONTAL VENT SECTIONS:** A minimum of 1" (25mm) at the bottom and sides and 3" (76mm) at the top of the vent pipe on all horizontal runs to combustibles is required. Use firestop spacer W010-1800 (supplied).

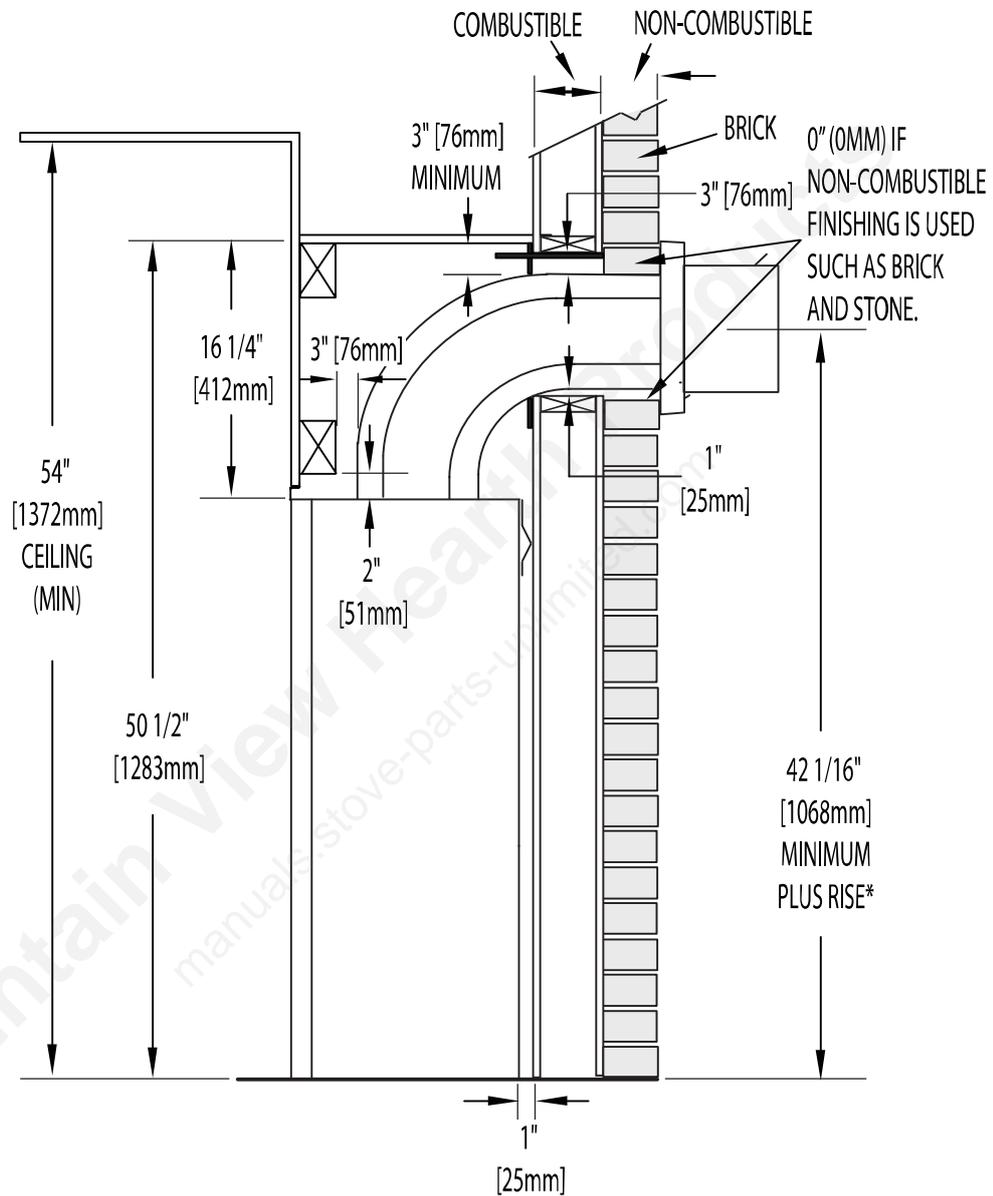
**NOTE:** The minimum clearances from the top of the horizontal vent pipe to combustible materials may be reduced from 3" (76mm) to 1" (25mm) in those installations with a minimum 38" (965.2mm) vertical vent rise made immediately off the fireplace collar.

\* **B36 VERTICAL VENT SECTIONS:** A minimum of 1" (25mm) all around the vent pipe on all vertical runs to combustibles is required except for clearances in appliance enclosures. See "MINIMUM ENCLOSURE CLEARANCES" section. Use firestop spacer W500-0096 (not supplied).



## 5.2 MINIMUM ENCLOSURE CLEARANCES

### B36 TOP VENT



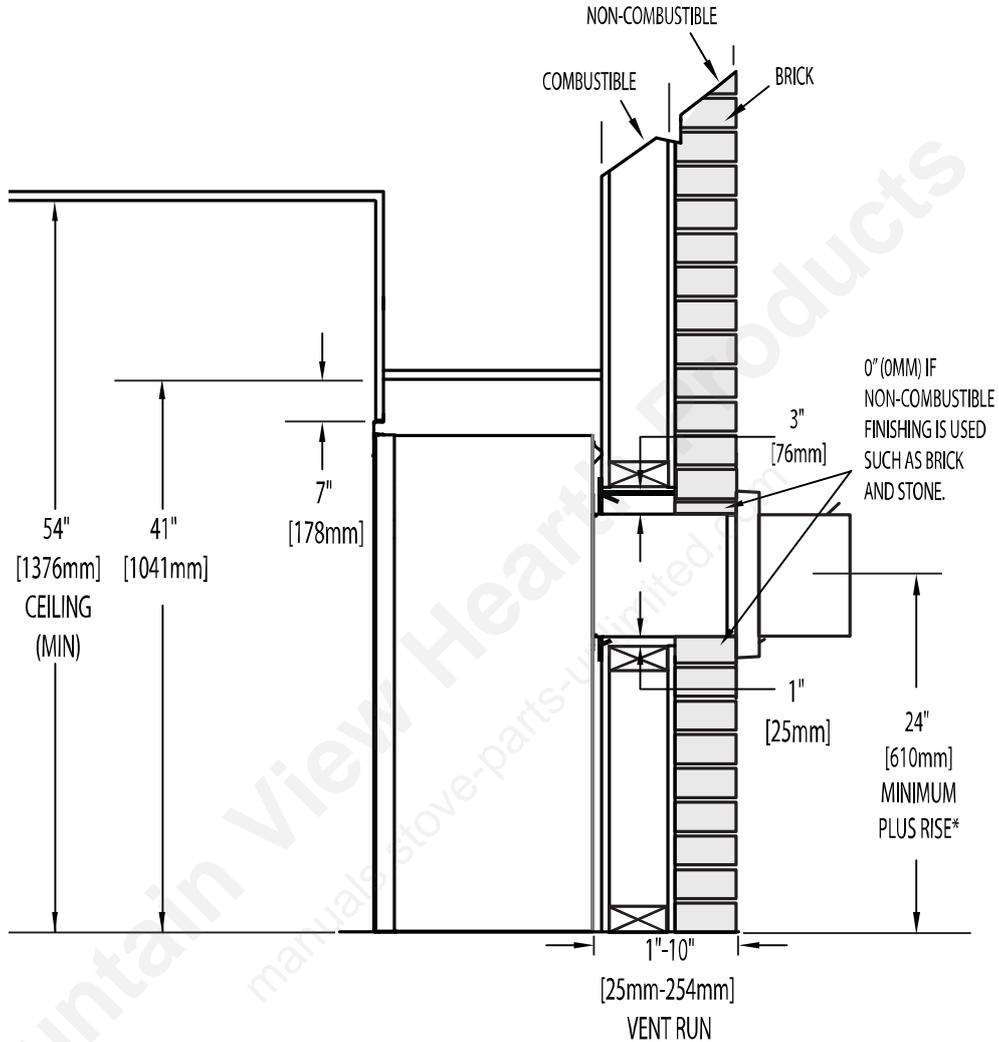
**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

#### TOP EXIT ENCLOSURE

The appliance requires a minimum enclosure height of 50 1/2" (1282mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

**B36 MINIMUM REAR VENT CLEARANCES**

For rear vent termination not exceeding 10" (254mm) of horizontal vent run.

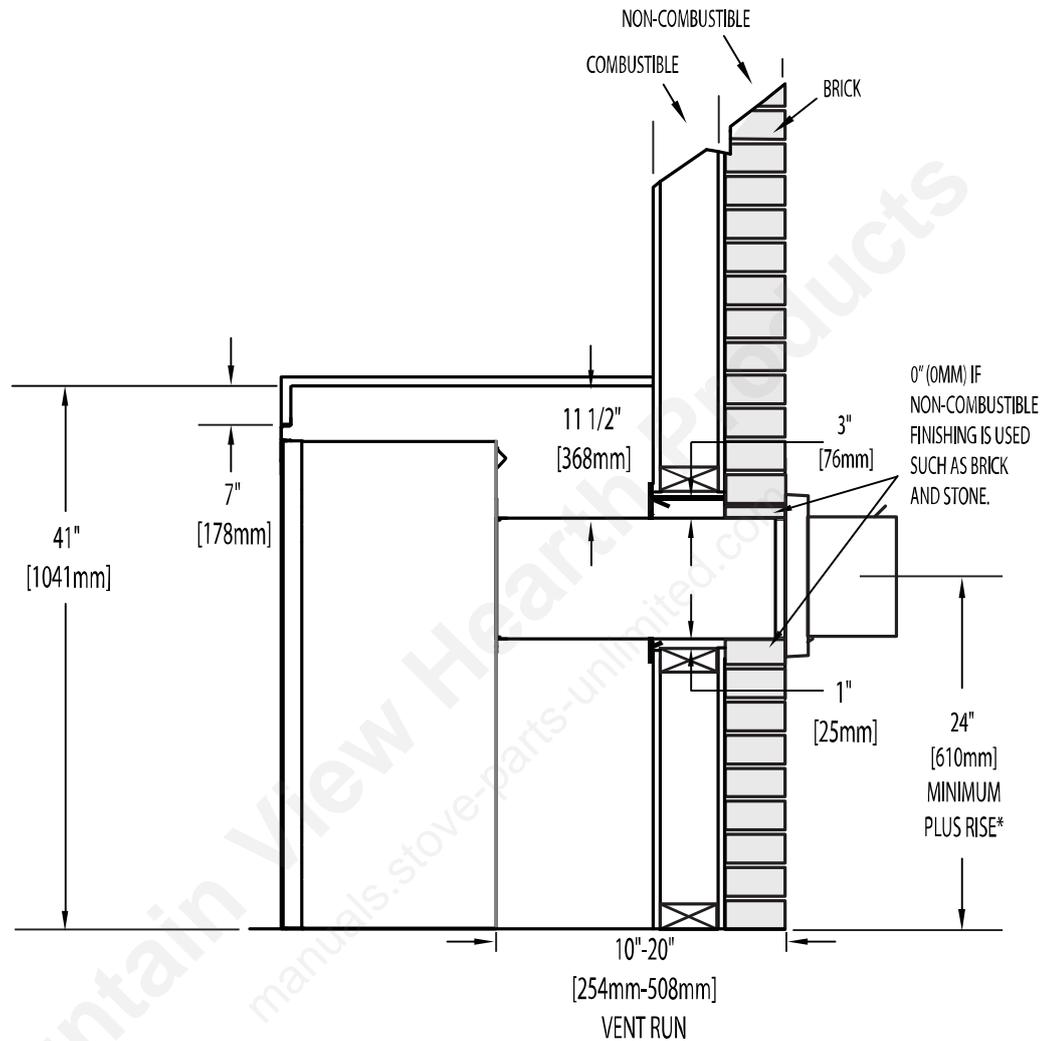


**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**REAR EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 41" (1041mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

\* See "VENTING" section.

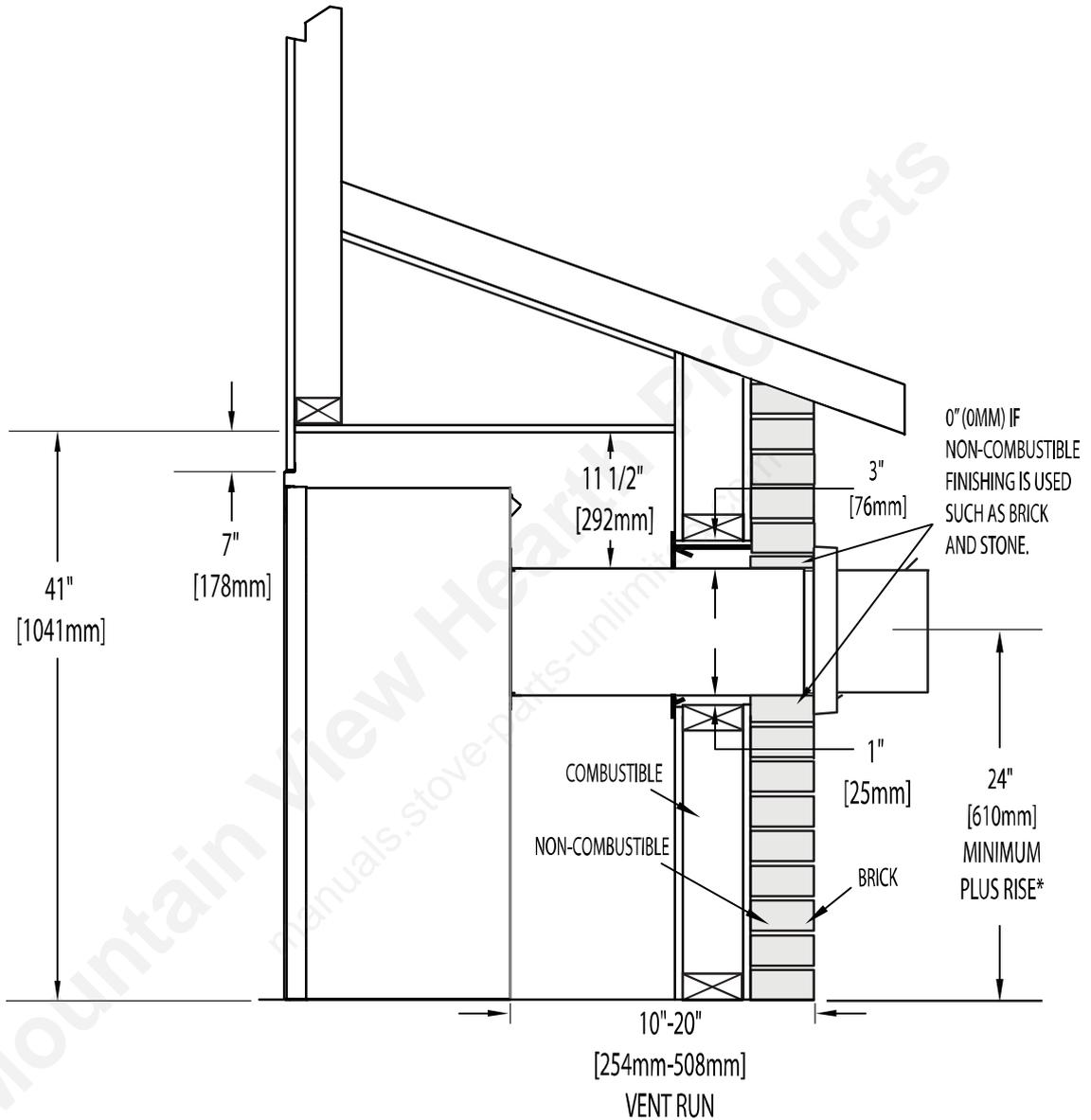
**B36 MAXIMUM REAR VENT CLEARANCES (EXAMPLE 1)**

**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**REAR EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 41" (1041mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

**B36 MAXIMUM REAR VENT CLEARANCES (EXAMPLE 2)**



**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**REAR EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 41" (1041mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

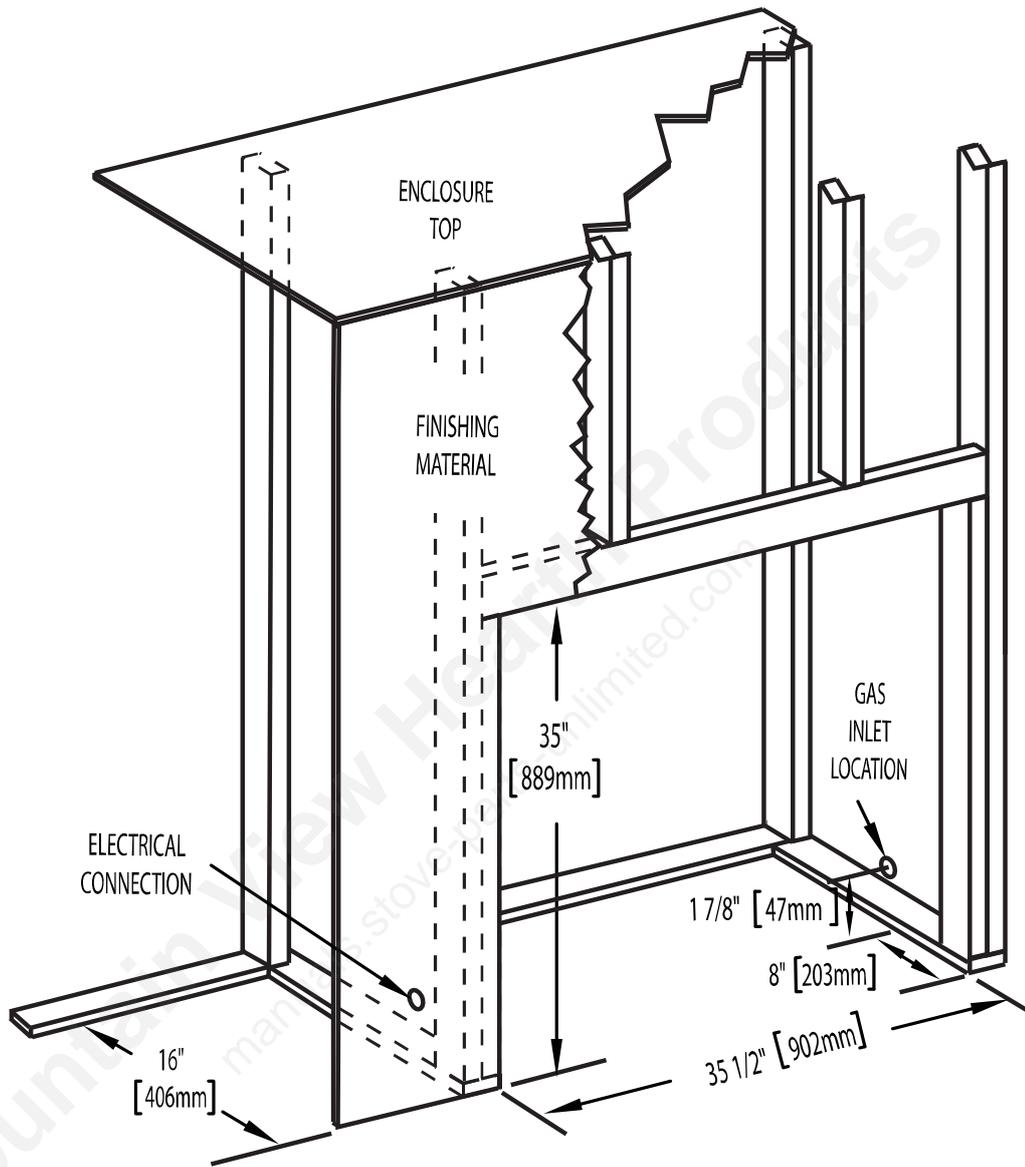
## 5.3 GX36 FRAMING

EN

<b>! WARNING</b>
<b>RISK OF FIRE!</b>
<b>IN ORDER TO AVOID THE POSSIBILITY OF EXPOSED INSULATION OR VAPOUR BARRIER COMING IN CONTACT WITH THE APPLIANCE BODY, IT IS RECOMMENDED THAT THE WALLS OF THE APPLIANCE ENCLOSURE BE "FINISHED" (IE: DRYWALL / SHEETROCK), AS YOU WOULD FINISH ANY OTHER OUTSIDE WALL OF A HOME. THIS WILL ENSURE THAT CLEARANCE TO COMBUSTIBLES IS MAINTAINED WITHIN THE CAVITY.</b>
<b>DO NOT NOTCH THE FRAMING AROUND THE APPLIANCE STAND-OFFS. FAILURE TO MAINTAIN AIR SPACE CLEARANCE MAY CAUSE OVER HEATING AND FIRE. PREVENT CONTACT WITH SAGGING OR LOOSE INSULATION OR FRAMING AND OTHER COMBUSTIBLE MATERIALS. BLOCK OPENING INTO THE CHASE TO PREVENT ENTRY OF BLOWN-IN INSULATION. MAKE SURE INSULATION AND OTHER MATERIALS ARE SECURED.</b>
<b>WHEN CONSTRUCTING THE ENCLOSURE ALLOW FOR FINISHING MATERIAL THICKNESS TO MAINTAIN CLEARANCES. FRAMING OR FINISHING MATERIAL CLOSER THAN THE MINIMUMS LISTED MUST BE CONSTRUCTED ENTIRELY OF NON-COMBUSTIBLE MATERIALS. MATERIALS CONSISTING ENTIRELY OF STEEL, IRON, BRICK, TILE, CONCRETE, SLATE, GLASS OR PLASTERS, OR ANY COMBINATION THEREOF ARE SUITABLE. MATERIALS THAT ARE REPORTED AS PASSING ASTM E 136, STANDARD TEST METHOD FOR BEHAVIOUR OF MATERIALS IN A VERTICAL TUBE FURNACE AT 1382° F (750°C) AND UL763 SHALL BE CONSIDERED NON-COMBUSTIBLE MATERIALS.</b>
<b>MINIMUM CLEARANCE TO COMBUSTIBLES MUST BE MAINTAINED OR A SERIOUS FIRE HAZARD COULD RESULT.</b>
<b>THE APPLIANCE REQUIRES A MINIMUM ENCLOSURE HEIGHT. MEASURE FROM THE APPLIANCE BASE.</b>
<b>IF STEEL STUD FRAMING KITS WITH CEMENT BOARD ARE PROVIDED, OR SPECIFIED IN THE INSTALLATION INSTRUCTIONS. THEY MUST BE INSTALLED.</b>
<b>FINISHING MUST BE DONE USING A NON-COMBUSTIBLE MATERIAL EXTENDING FROM THE TOP OF THE APPLIANCE SUCH AS NON-COMBUSTIBLE BOARD, CERAMIC TILE, MARBLE, ETC. DO <u>NOT</u> USE WOOD OR DRYWALL. <b>ANY FIRE RATED DRYWALL IS NOT ACCEPTABLE.</b></b>

71.1B

**5.3.1 MINIMUM FRAMING DIMENSIONS GX36**



It is best to frame your appliance after it is positioned and the vent system is installed. Frame to local building codes.

It is not necessary to install a hearth extension with this appliance.

When roughing in the appliance, raise the appliance to accommodate for the thickness of the finished floor materials, i.e. tile, carpeting, hard wood, which if not planned for will interfere with the opening of the lower access door and the installation of many decorative flashing accessories.

Combustible materials may be installed flush with the front of the appliance but must not cover any of the black face-areas of the appliance. Non-combustible material (brick, stone or ceramic tile) may protrude in these areas.

**Minimum clearance to combustible construction from appliance and vent surfaces:**

**Combustible Framing:**

- 0" to stand-offs
- 1" (25mm) to bottom and sides of the vent pipe\*
- 3" (76mm) to top of the vent pipe\*

**Combustible Finishing:**

- 0" to rear stand offs
- 0" to front face top and sides

**Top Exit**

- 50 1/2" (1283mm) to combustible enclosure top from base of the appliance
- 54" (1372mm) to ceiling from base of the appliance

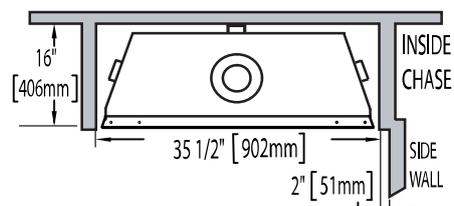
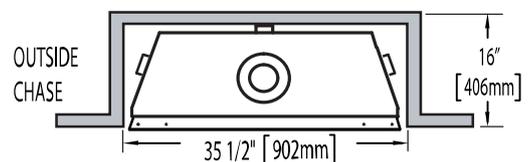
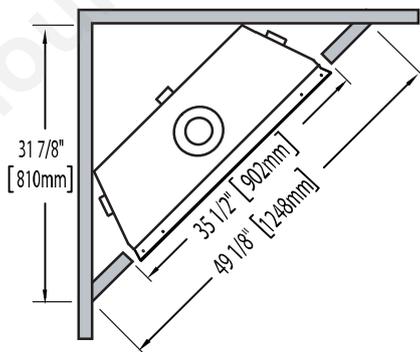
**Rear Exit**

- 44" (1118mm) to combustible enclosure top from base of the appliance
- 54" (1372mm) to ceiling from base of the appliance

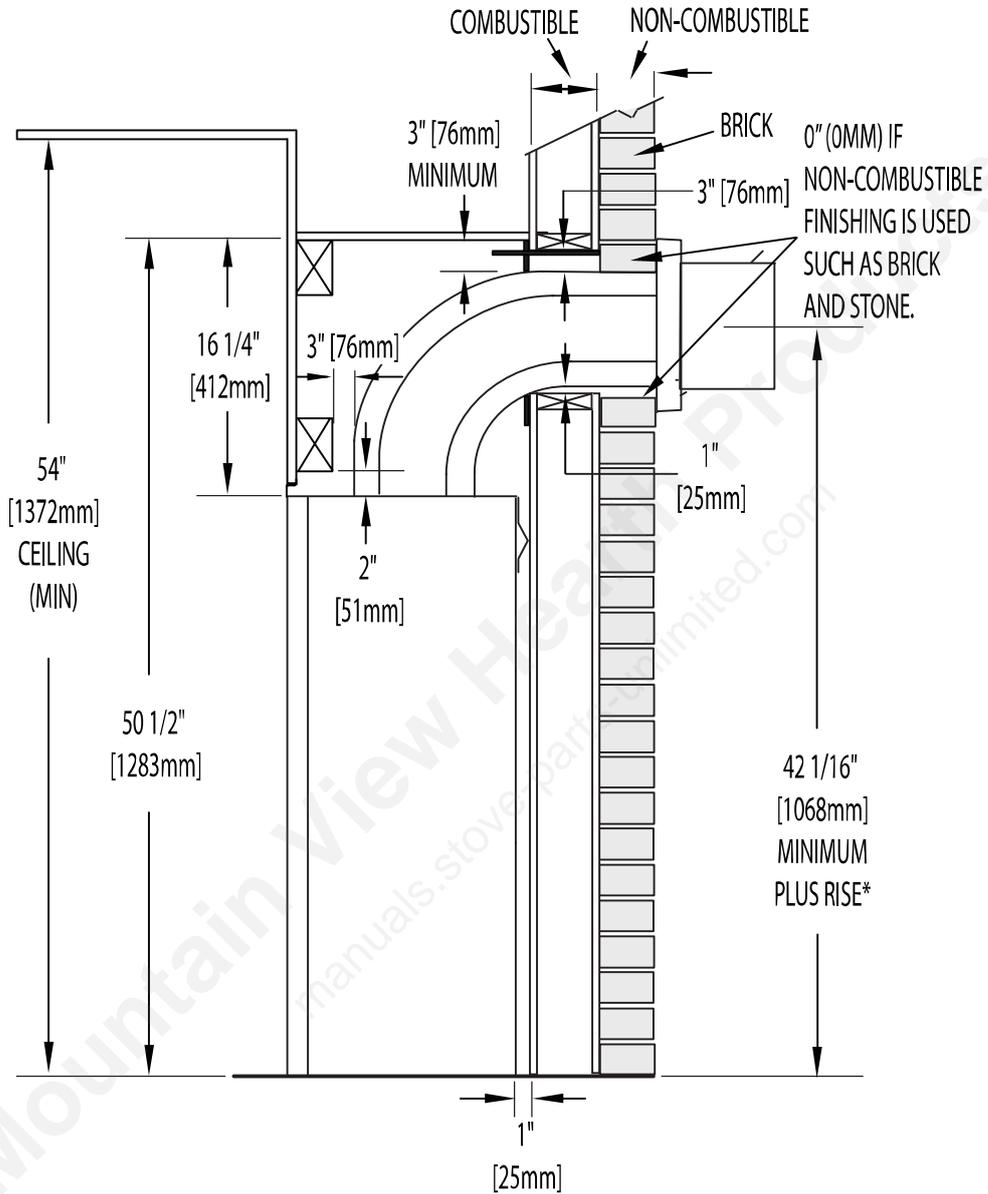
\* **GX36 HORIZONTAL VENT SECTIONS:** A minimum of 1" (25mm) at the bottom and sides and 3" (76mm) at the top of the vent pipe on all horizontal runs to combustibles is required. Use firestop spacer W010-1800 (supplied).

**NOTE:** The minimum clearances from the top of the horizontal vent pipe to combustible materials may be reduced from 3" (76mm) to 2" (51mm) in those installations with a minimum 38" (965.2mm) vertical vent rise made immediately off the fireplace collar.

\* **GX36 VERTICAL VENT SECTIONS:** A minimum of 1" (25mm) all around the vent pipe on all vertical runs to combustibles is required except for clearances in appliance enclosures. Vertical runs within the enclosure must maintain a 3" (76mm) clearance from combustibles. See "MINIMUM ENCLOSURE CLEARANCES" section. Use firestop spacer W500-0096 (not supplied).



**GX36 TOP VENT**



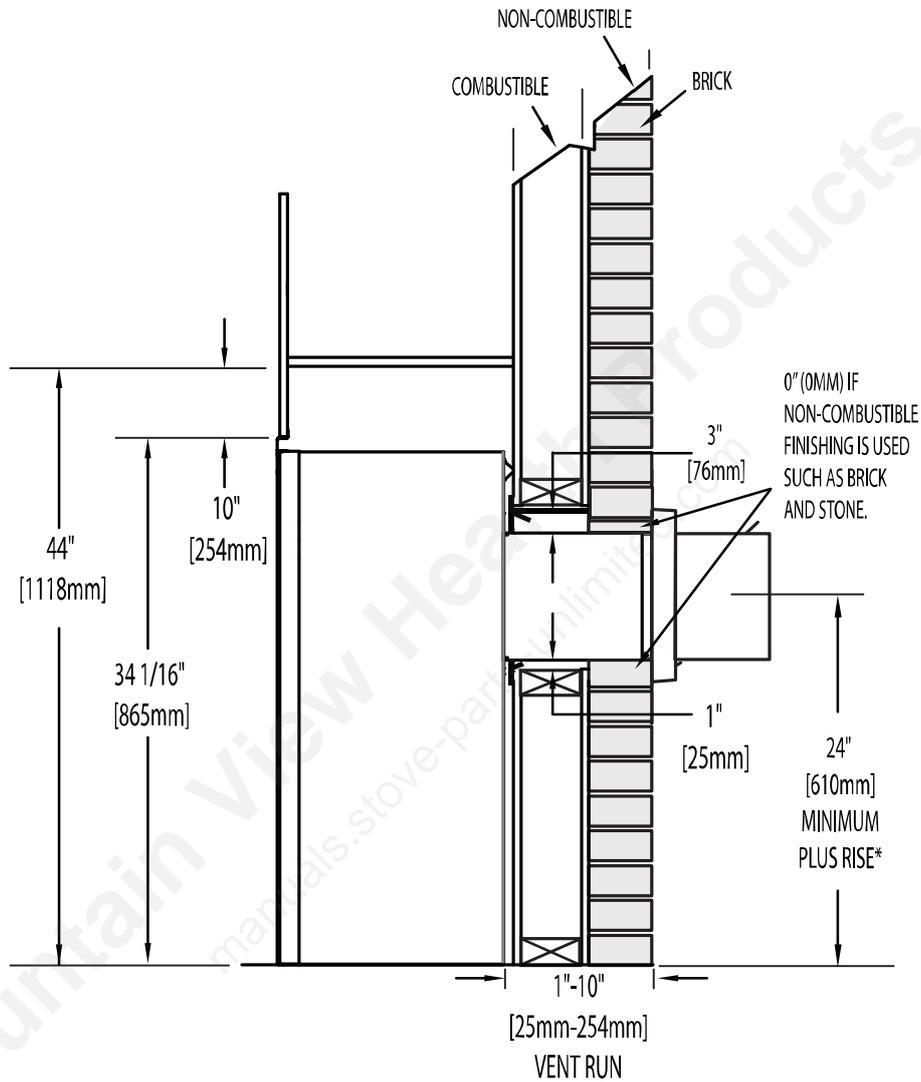
**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**TOP EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 50 1/2" (1282mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

**GX36 MINIMUM REAR VENT CLEARANCES**

For rear vent termination not exceeding 10" (254mm) of horizontal vent run.

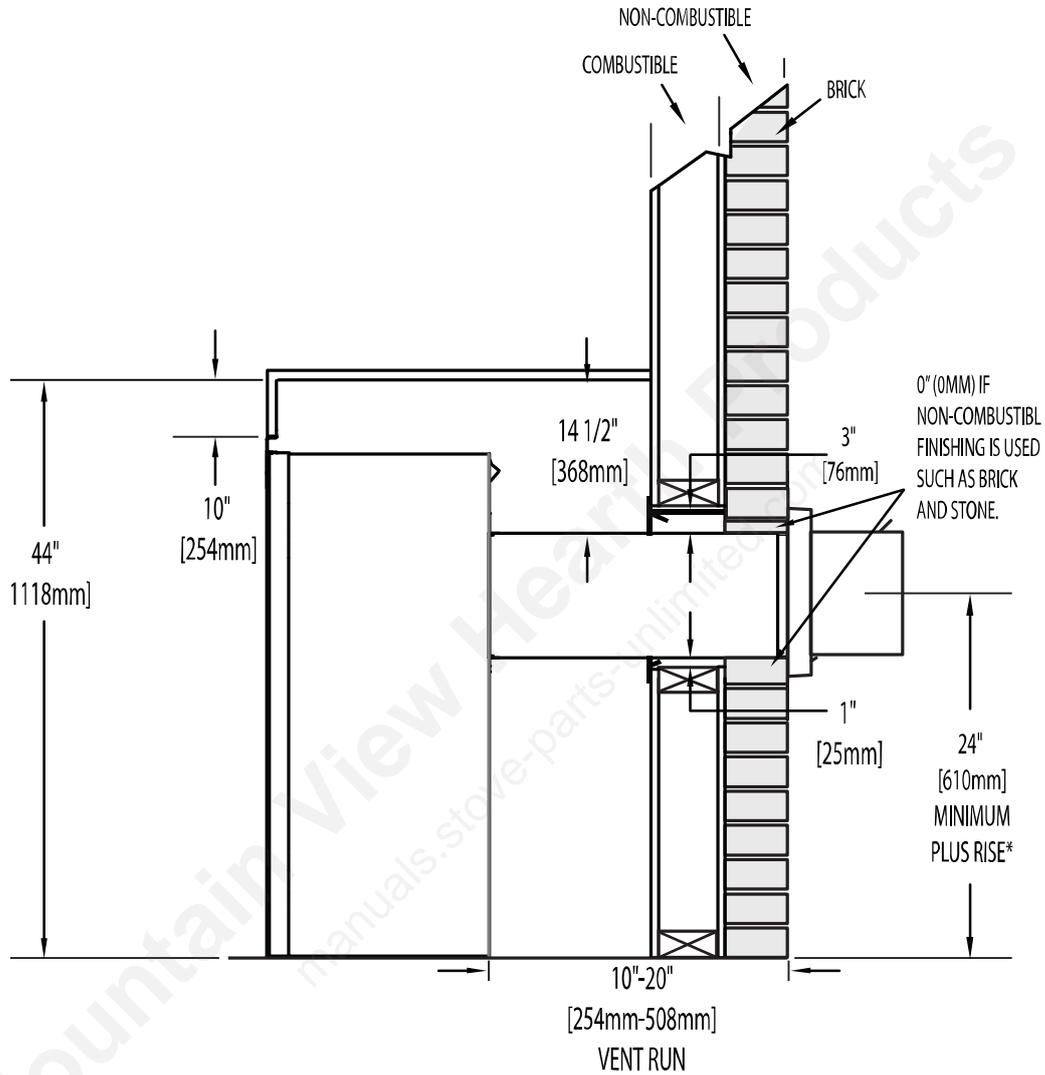


**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**REAR EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 44" (1118mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

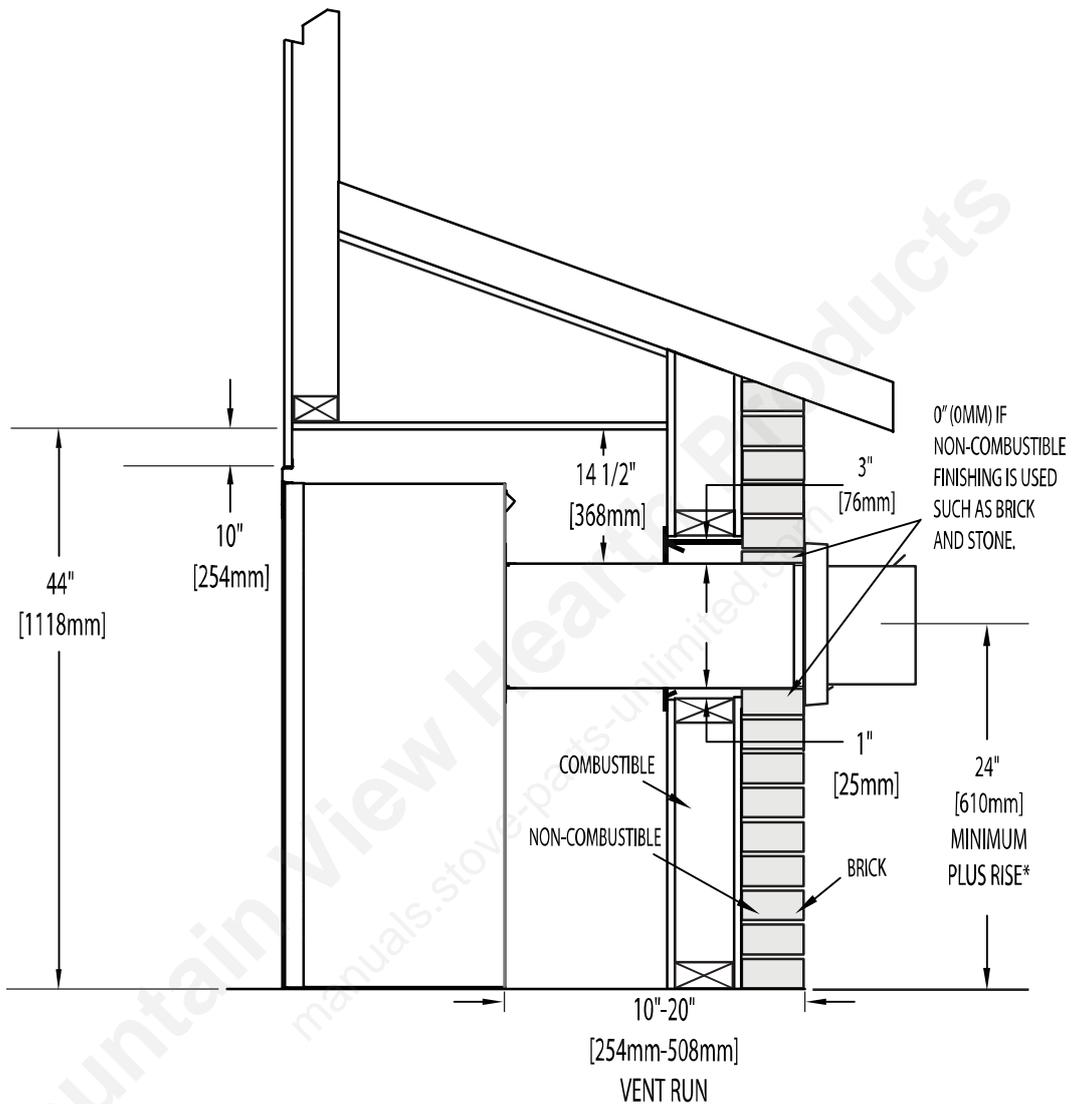
**GX36 MAXIMUM REAR VENT CLEARANCES (EXAMPLE 1)**



**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**REAR EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 44" (1118mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

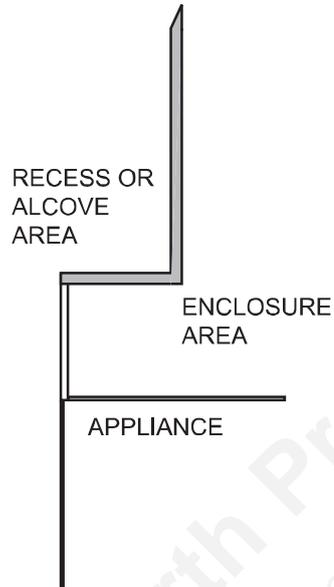
**GX36 MAXIMUM REAR VENT CLEARANCES (EXAMPLE 2)**

**NOTE:** The vent shield is telescopic and must be adjusted to shield the full depth of the combustible wall penetration.

**REAR EXIT ENCLOSURE**

The appliance requires a minimum enclosure height of 44" (1118mm). For temperature requirements, the enclosure space around and above the appliance must be left unobstructed.

## 5.4 ALCOVE CLEARANCES



**NOTE:** Recesses or alcoves above the appliance can be made as deep as desired provided the minimum clearances to combustibles are maintained.

Non-combustible material can be used, provided the minimum clearances to combustible materials are applied.

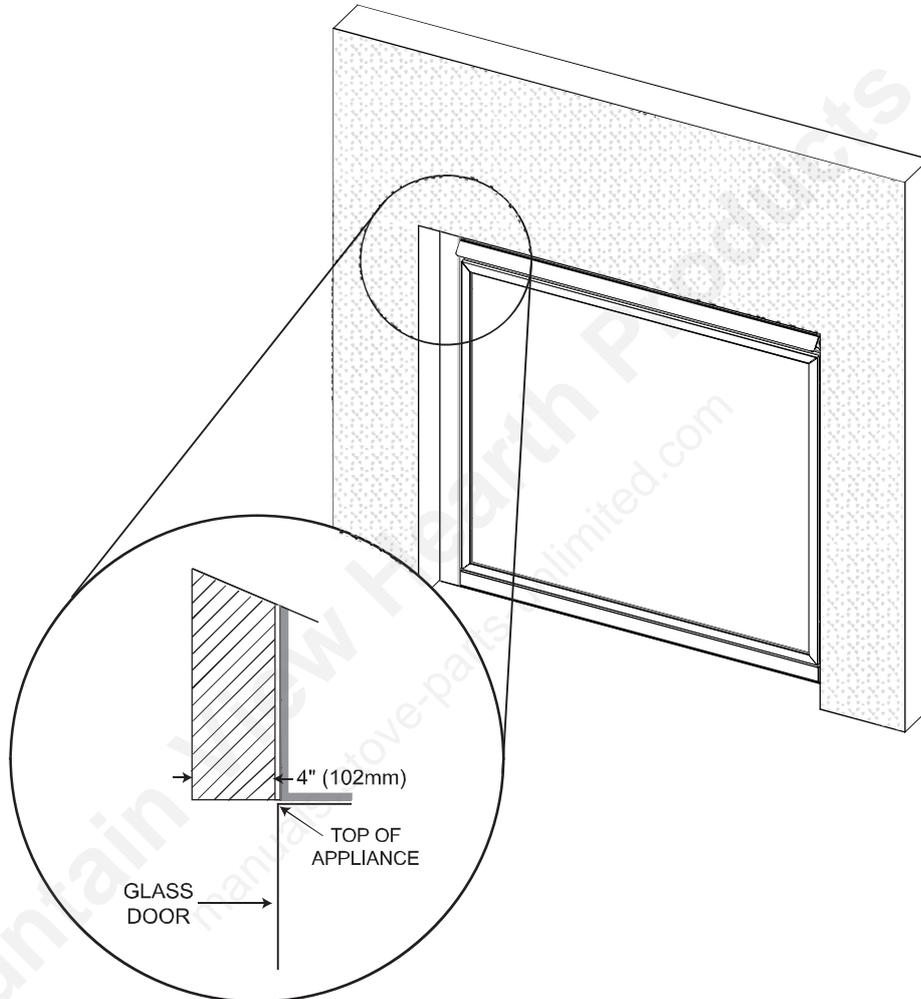
The minimum enclosure volume must be increased by no less than the volume of the recess. This adjustment can be made by increasing any or all of the height, width and depth of the enclosure.

71.2

## 5.5 NON-COMBUSTIBLE FACING MATERIAL

**WARNING:** Non-combustible facing material must not project more than 4" (102mm) from the face of the door (all three sides). If greater projections are desired, increase the clearance to the sides and top by 2" (51mm) for every additional 1" (25mm) of projection. If using an optional surround, the same rule applies, starting from the top of the surround. Ensure clearances are maintained for surround removal, as it must lift off the appliance for maintenance.

EN



71.7

**5.6 MINIMUM MANTEL CLEARANCES**

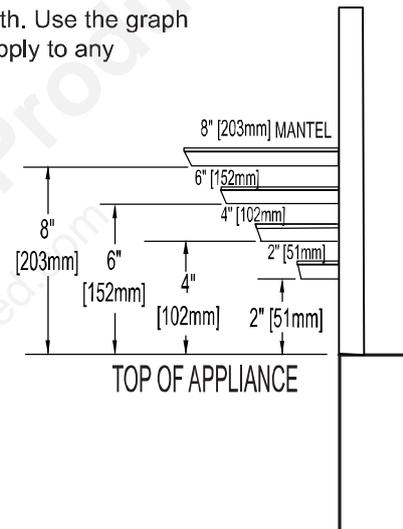
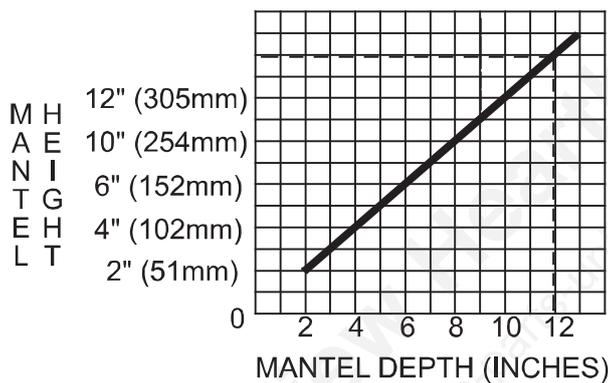
**! WARNING**

**RISK OF FIRE, MAINTAIN ALL SPECIFIED AIR SPACE CLEARANCES TO COMBUSTIBLES. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY CAUSE A FIRE OR CAUSE THE APPLIANCE TO OVERHEAT. ENSURE ALL CLEARANCES (I.E. BACK, SIDE, TOP, VENT, MANTEL, FRONT, ETC.) ARE CLEARLY MAINTAINED.**

**WHEN USING PAINT OR LACQUER TO FINISH THE MANTEL, THE PAINT OR LACQUER MUST BE HEAT RESISTANT TO PREVENT DISCOLOURATION.**

73.1

Combustible Mantel clearance can vary according to the Mantel depth. Use the graph to help evaluate the clearance needed. These same requirements apply to any combustibles protruding on either side of the appliance.



**5.7 NAILING TAB INSTALLATION**

- A. To determine the final location and where to bend the nailing tabs you must first determine the thickness of your finishing material (i.e. drywall). This will determine the dimension from the front edge of the corner post to the nailing tab. Once the desired tab has been chosen, bend and secure to the framing.



55.2

## 6.0 FINISHING

<b>! WARNING</b>
<b>RISK OF FIRE!</b>
NEVER OBSTRUCT THE FRONT OPENING OF THE APPLIANCE.
THE FRONT OF THE APPLIANCE MUST BE FINISHED WITH ANY NON-COMBUSTIBLE MATERIALS SUCH AS BRICK, MARBLE, GRANITE, ETC., PROVIDED THAT THESE MATERIALS DO NOT GO BELOW THE SPECIFIED DIMENSION AS ILLUSTRATED.
DO NOT STRIKE, SLAM OR SCRATCH GLASS. DO NOT OPERATE APPLIANCE WITH GLASS REMOVED, CRACKED, BROKEN OR SCRATCHED.
FACING AND/OR FINISHING MATERIAL MUST NEVER OVERHANG INTO THE APPLIANCE OPENING.

72.1A



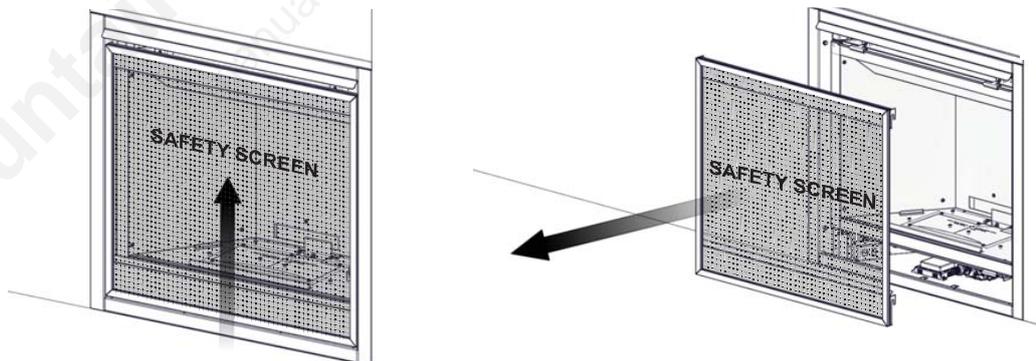
### 6.1 SAFETY SCREEN & DOOR REMOVAL / INSTALLATION

<b>! WARNING</b>
GLASS MAY BE HOT, DO NOT TOUCH GLASS UNTIL COOLED.
THE DOOR LATCHES ARE PART OF A SAFETY RELIEF SYSTEM AND MUST BE PROPERLY ENGAGED. DO NOT OPERATE THE APPLIANCE WITH LATCHES DISENGAGED.
FACING AND/OR FINISHING MATERIALS MUST NOT INTERFERE WITH AIR FLOW THROUGH AIR OPENINGS, LOUVRES OPENINGS, OPERATION OF LOUVRES OR DOORS OR ACCESS FOR SERVICE. OBSERVE ALL CLEARANCES WHEN APPLYING COMBUSTIBLE MATERIALS.
BEFORE DOOR IS REMOVED TURN THE APPLIANCE OFF AND WAIT UNTIL APPLIANCE IS COOL TO THE TOUCH. DOORS ARE HEAVY AND FRAGILE SO HANDLE WITH CARE.

75.1

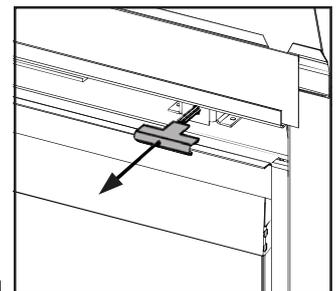
A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed.

Before the glass door can be removed, the safety screen must be removed. Lift the safety screen off the 4 pins, tilt the top forward and remove from the appliance.



Leave a hand on the glass door during entire door removal. The glass door is secured to the firebox with two spring latches along the top and two along the bottom. Pull the handles of the latches forward, then lift the latches out from the door frame to release the top of the door. Repeat the same step for the two bottom latches. Next, pivot the door forward until the top edge clears the front of the appliance. Carefully grip the sides of the door lifting it off the appliance. **NOTE: These spring latches make up the spring relief system for the appliance. Ensure the door opens freely and closes sealed.**

Reverse these steps to re-install the door and safety screen. Ensure safety screen is installed correctly.



W415-1401 / B / 12.23.14



## 6.2 LOG PLACEMENT

### ! WARNING

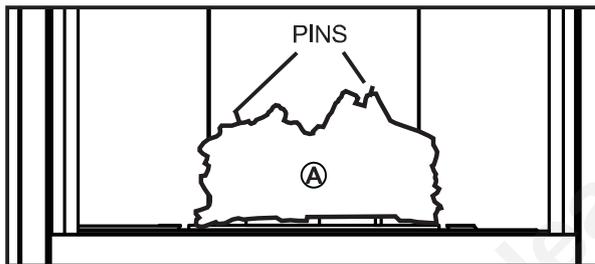
FAILURE TO POSITION THE LOGS IN ACCORDANCE WITH THESE DIAGRAMS OR FAILURE TO USE ONLY LOGS SPECIFICALLY APPROVED WITH THIS APPLIANCE MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY.

LOGS MUST BE PLACED IN THEIR EXACT LOCATION IN THE APPLIANCE. DO NOT MODIFY THE PROPER LOG POSITIONS, SINCE APPLIANCE MAY NOT FUNCTION PROPERLY AND DELAYED IGNITION MAY OCCUR.

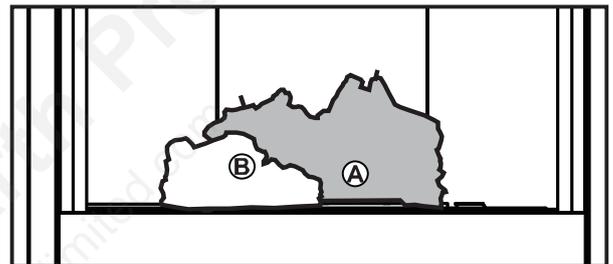
THE LOGS ARE FRAGILE AND SHOULD BE HANDLED WITH CARE.

76.1A

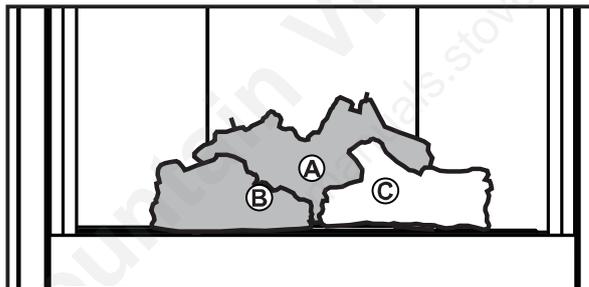
**PHAZER™** logs and glowing embers exclusive to Continental®, provide a unique and realistic glowing effect that is different in every installation. Take the time to carefully position the glowing embers for a maximum glowing effect. Log colours may vary. During the initial use of the appliance, the colours will become more uniform as colour pigments burn in during the heat activated curing process.



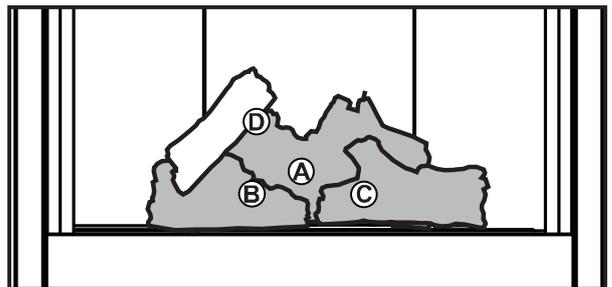
- A. Place the rear log (W135-0588) firmly onto the two studs at the rear of the support tray. Ensure the log sits flat and does not cover the pilot opening. Place two pins in the holes located on the top rear of the rear log.



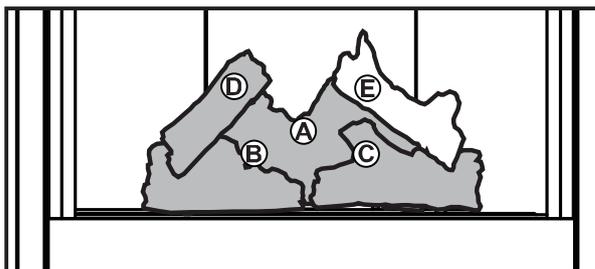
- B. Place the left log (W135-0544) onto the two studs located on the left side of the log support.



- C. Position the right log (W135-0545) onto the two studs located on the right side of the log support.



- D. Place the left crossover log (W135-0546) onto the pin located in the left side of the rear log, allow it to rest in the notch of the left log.

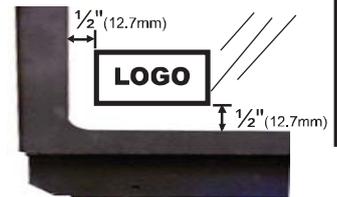


- E. Place the right crossover log (W135-0589) onto the two remaining pins.

- F. Reinstall the door and safety screen.

### 6.3 LOGO PLACEMENT

Remove the backing of the logo supplied and place on the glass viewing door, as indicated.



EN

97.1A



### 6.4 BATTERY BACK-UP INSTALLATION

#### ! WARNING

ENSURE THE GAS AND ELECTRICAL POWER IS TURNED OFF TO THE APPLIANCE.

APPLIANCE MAY BE HOT, DO NOT SERVICE UNTIL THE APPLIANCE HAS COOLED.

**NOTE:** In the event of a power failure your appliance can be operated using the battery back-up supplied.

- A. Turn the gas and electrical power off to the appliance, before beginning installation.
- B. Locate the battery housing supplied in the manual baggie.
- C. Install four "AA" batteries (not supplied) into the battery housing, ensure the positive and negative ends correspond with those identified on the holder. (To open the battery housing, slide the back piece upwards and off of the battery housing).
- D. Remove the safety screen to easily access the control compartment.
- E. Attach the wire labelled "BATTERY" from the wiring harness, located in the control compartment of the appliance, to the battery housing.
- F. Place the battery housing into the control compartment, ensure that the battery housing is placed in a clean and easily accessible location.
- G. Reinstall the safety screen. The safety screen must be installed at all times during the appliance operation.
- H. Turn the gas and electrical power back on to begin operating the appliance.

## 6.5 BLOWER INSTALLATION

### ! WARNING

ENSURE THE UNIT IS COMPLETELY COOL BEFORE STARTING INSTALLATION

TO AVOID DANGER OF SUFFOCATION KEEP THE PACKAGING BAG AWAY FROM BABIES AND CHILDREN. DO NOT USE IN CRIBS, BED, CARRIAGES OR PLAY PENS. THIS BAG IS NOT A TOY. KNOT BEFORE THROWING AWAY.

- A. Remove the screen by lifting it up and off of the appliance, refer to, "SAFETY SCREEN / DOOR REMOVAL AND INSTALLATION" section.
- B. If equipped with electronic ignition, unplug the control module transformer and lift the control module from the bottom of the appliance, move both the control module and transformer off to one side to ease installation of the blower.
- C. Remove the two adhesive backing strips from the velcro strips located on the fan mounting bracket of the blower.
- D. Attach the two 1/4" connectors (black and white) from the wire harness to the thermodisc.
- E. Attach the two 1/4" connectors (black and red) from the wire harness to the blower.
- F. Pivot the blower into the bottom of the appliance, center it on the left side wall of the outer shell. Press the blower firmly against the outer shell so the adhesive sticks to the appliance.
- G. **NOTE: ENSURE ALL WIRES REMAIN CLEAR OF THE BLOWER.**
- H. Place the control module back into it's original position. Ensure the transformer is plugged into the rear outlet of the electrical box, refer to Figure 1.
- I. Remove the adhesive backing strip from the velcro strip located on the variable speed switch (VSS). Place the VSS firmly into position on the front left corner of the base of the outer shell, refer to Figure 1. Plug the connector from the VSS to the matching connection on the wire harness.
- J. Position the magnetic thermal disc bracket on the firebox base approximately 4" (101.6mm) from the front of the appliance, refer to Figure 2. Ensure the wire harness is properly attached.
- K. Plug the power cord from the blower into the electrical box, refer to Figure 1.

**NOTE:** The blower is thermally activated, so when it is turned on, it will automatically start approximately 15 minutes after lighting the appliance and will run for approximately 30 minutes after the appliance has been turned off.

FIGURE 1

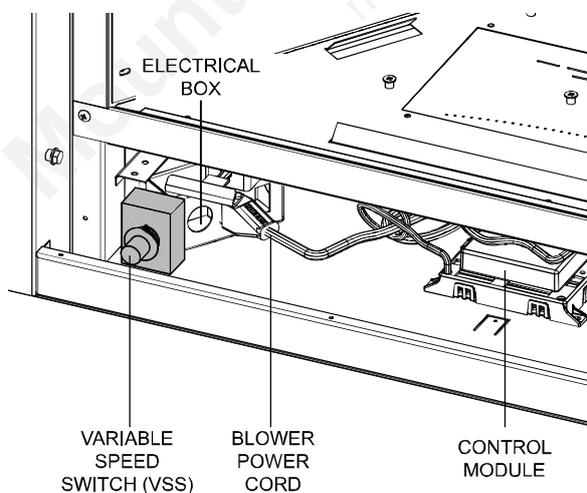
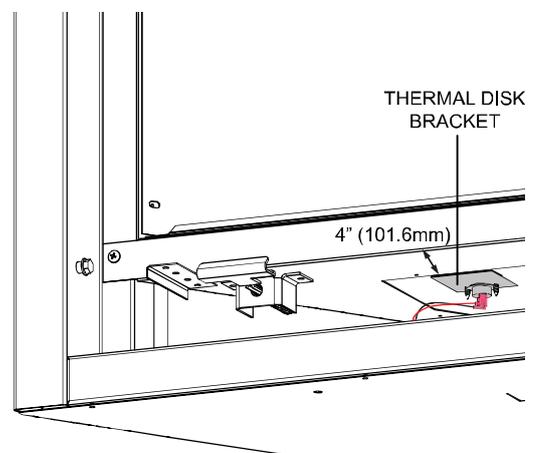


FIGURE 2



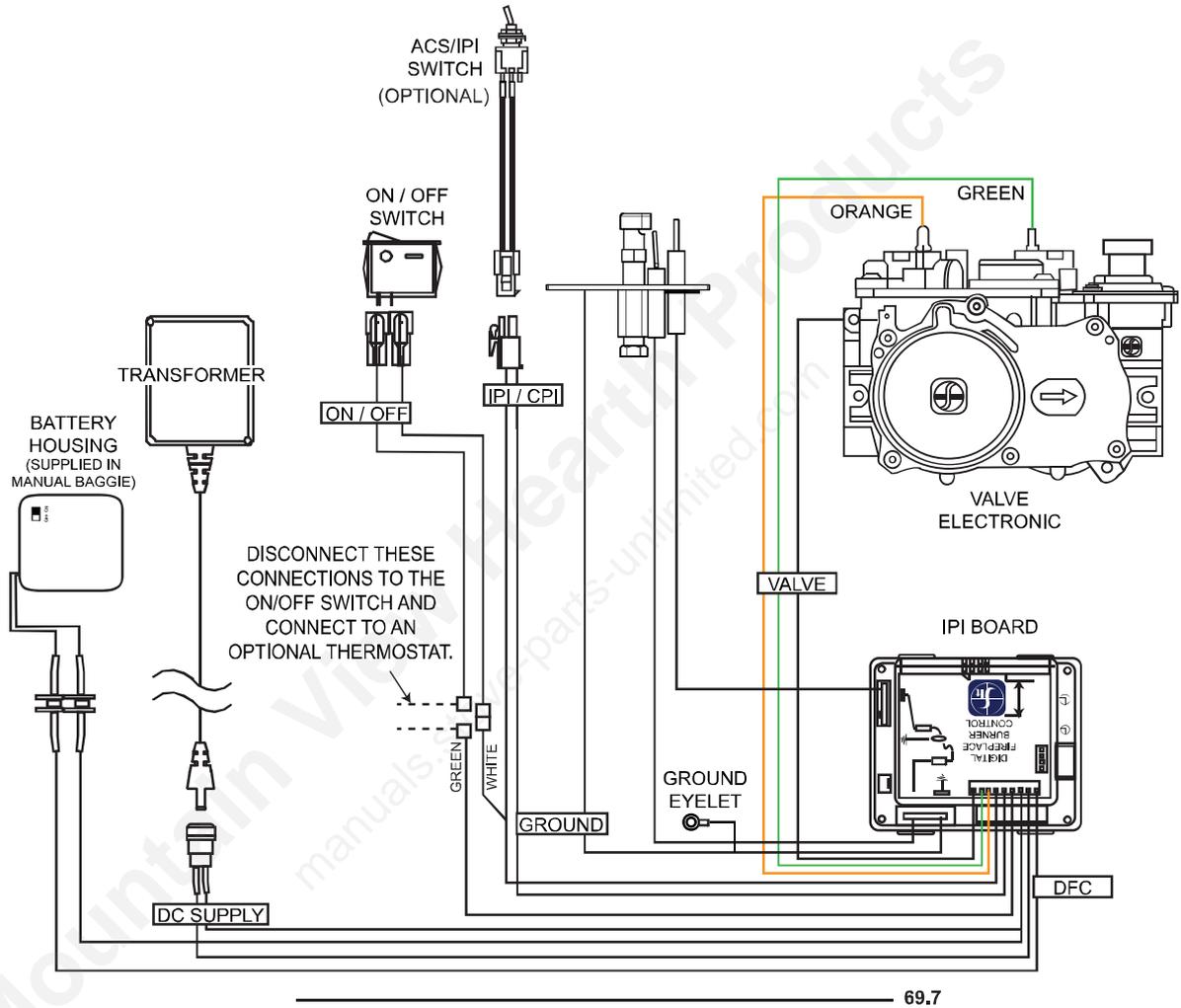
6.6 WIRING DIAGRAM (ELECTRONIC)

**! WARNING**

**DO NOT WIRE 110 VOLTS TO THE VALVE OR WALL SWITCH.**

EN

This appliance comes with a battery back-up. If this back-up is used, install 4AA batteries (not supplied) into the holder and connect to the wire harness.



## 7.0 OPERATION

### 7.1 B36NTRE/GX36NTRE & B36PTRE/GX36PTRE (ELECTRONIC)

#### ! WARNING

**IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.**

**ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RUN OUT WITH THE GLASS DOOR OPENED OR REMOVED.**

Ensure that a continuous gas flow is at the burner before installing the door. When lit for the first time, the fireplace will emit an odor for a few hours. This is a normal temporary condition caused by the "burn-in" of paints and lubricants used in the manufacturing process and will not occur again. After extended periods of non-operation such as following a vacation or a warm weather season, the fireplace may emit a slight odor for a few hours. This is caused by dust particles in the heat exchanger burning off. In both cases, open a window to sufficiently ventilate the room.

#### FOR YOUR SAFETY READ BEFORE LIGHTING:

- A. Do not turn on if children or other at risk individuals are near the fireplace.
- B. This fireplace is equipped with a pilot which must be lit by hand while following these instructions exactly.
- C. Before operating smell all around the fireplace area for gas and next to the floor because some gas is heavier than air and will settle on the floor.
- D. Use only your hand to turn the gas control knob. Never use tools. If the knob will not turn by hand, do not try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- E. Do not use this fireplace if any part has been under water. 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 underwater.

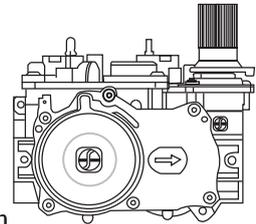
#### WHAT TO DO IF YOU SMELL GAS:

- Turn off all gas to the fireplace.
- Open windows.
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.



#### LIGHTING INSTRUCTIONS:

1. Stop! Read the above safety information on this label
2. Remove batteries from the transmitter.
3. Turn off all electrical power to the fireplace.
4. This fireplace is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
5. Open the glass door.
6. Turn manual shutoff valve clockwise to off. Located behind the access panel.
7. Wait five (5) minutes to clear out any gas. If you smell gas including near the floor, **STOP!** Follow "B" in the above safety information on this label. If you don't smell gas go to the next step.
8. Turn manual shutoff valve counter-clockwise to on.
9. Close the glass door.
10. Turn on all electric power to the fireplace and re-install batteries into the transmitter.
11. Push the "ON" button on the transmitter. You should here an audible beep from the receiver which indicates communication (refer to Fireplace Operation for remote activation).



#### TO TURN OFF GAS:

1. Turn off all electric power to the fireplace if service is to be performed.
2. Push in gas control knob slightly and turn clockwise to off. Do not force.

47.3A

## 8.0 OPERATION

### 8.1 B36NTR/GX36NTR & B36PTR/GX36PTR (MILLIVOLT)

#### WARNING

**IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.**

**ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RUN OUT WITH THE GLASS DOOR OPENED OR REMOVED.**

Ensure that a continuous gas flow is at the burner before installing the door. When lit for the first time, the appliance will emit an odor for a few hours. This is a normal temporary condition caused by the "burn-in" of paints and lubricants used in the manufacturing process and will not occur again.

After extended periods of non-operation such as following a vacation or a warm weather season, the appliance may emit a slight odor for a few hours. This is caused by dust particles in the heat exchanger burning off. In both cases, open a window to sufficiently ventilate the room.

#### FOR YOUR SAFETY READ BEFORE LIGHTING:

- A. This appliance is equipped with a pilot which must be lit by hand while following these instructions exactly.
- B. Before operating smell all around the appliance area for gas and next to the floor because some gas is heavier than air and will settle on the floor.
- C. Use only your hand to turn the gas control knob. Never use tools. If the knob will not turn by hand, do not try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control which has been under water.

#### WHAT TO DO IF YOU SMELL GAS:

- Turn off all gas to the appliance.
- Open windows.
- Do not try to light any appliance.
- Do not touch any electric 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.



#### LIGHTING INSTRUCTIONS:

**WARNING: The gas valve has an interlock device which will not allow the pilot burner to be lit until the thermocouple has cooled. Allow approximately 60 seconds for the thermocouple to cool.**

When lighting and re-lighting, the gas knob cannot be turned from pilot to off unless the knob is depressed slightly.

1. Stop! Read the above safety information on this label.
2. Turn off all electric power to the appliance.
3. Turn the gas knob clockwise  to off.
4. Wait five (5) minutes to clear out any gas. If you smell gas including near the floor. Stop! Follow "B" in the above safety information on this label. If you don't smell gas go the next step.
5. Turn gas knob counter-clockwise  to pilot.
6. Depress slightly and hold gas knob while lighting the pilot with the push button igniter. Keep knob depressed for one minute, then release. If pilot does not continue to burn, repeat steps 3 through 5.
7. With pilot lit, depress and turn gas knob counter-clockwise  to on.
8. If equipped with remote on-off switch / thermostat, main burner may not come on when you turn valve to on. Remote switch must be in the on position to ignite burner.
9. Turn on all electric power to the appliance.

#### TO TURN OFF GAS

1. Turn off all electric power to the appliance if service is to be performed.
2. Push in gas control knob slightly and turn clockwise  to off. Do not force.

**TURN THE CONTROL VALVE TO THE OFF POSITION WHEN HEATER IS NOT IN USE.**

47.2

## 9.0 ADJUSTMENT

### 9.1 PILOT BURNER ADJUSTMENT

Adjust the pilot screw to provide properly sized flame. Turn in a clockwise direction to reduce the gas flow.

**Check Pressure Readings:**

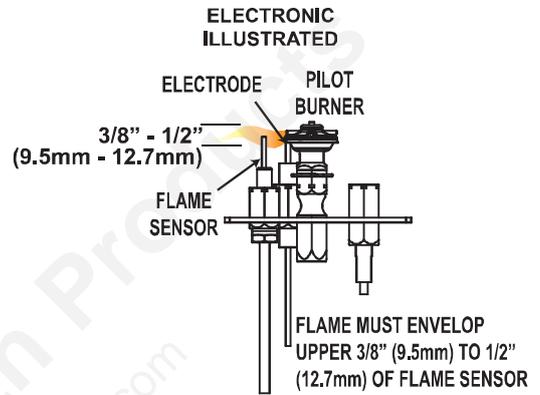
Inlet pressure can be checked by turning screw (A) counter-clockwise 2 or 3 turns and then placing pressure gauge tubing over the test point. Gauge should read as described on the chart below. Check that main burner is operating on "HI".

Outlet pressure can be checked the same as above using screw (B). Gauge should read as described on the chart below. Check that main burner is operating on "HI".

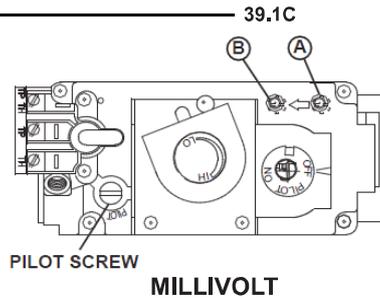
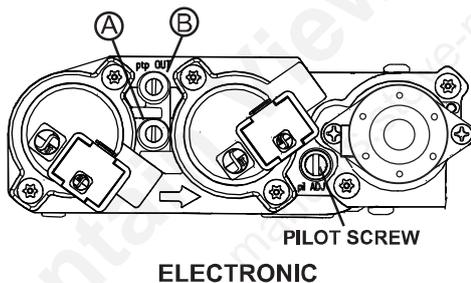
**AFTER TAKING PRESSURE READINGS, BE SURE TO TURN SCREWS CLOCKWISE FIRMLY TO RESEAL. DO NOT OVERTORQUE.**

Leak test with a soap and water solution.

Prior to pilot adjustment, ensure that the pilot assembly has not been painted. If overspray or painting of the pilot assembly has occurred remove the paint from the pilot assembly, or replace. Fine emery cloth or sandpaper can be used to remove the paint from the pilot hood, electrode and flame sensor.



Pressure	Natural Gas (inches)	Natural Gas (millibars)	Propane (inches)	Propane (millibars)
Inlet	7" (MIN. 4.5")	17.4mb (MIN. 11.2mb)	13" (MIN. 11")	32.4mb (MIN. 27.4mb)
Outlet	3.5"	8.7mb	10"	24.9mb

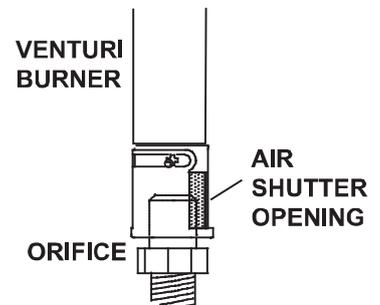


### 9.2 VENTURI ADJUSTMENT

This appliance has an air shutter that has been factory set open according to the chart below:

Regardless of venturi orientation, closing the air shutter will cause a more yellow flame, but can lead to carboning. Opening the air shutter will cause a more blue flame, but can cause flame lifting from the burner ports. The flame may not appear yellow immediately; allow 15 to 30 minutes for the final flame colour to be established.

**AIR SHUTTER ADJUSTMENT MUST ONLY BE DONE BY A QUALIFIED INSTALLER!**



**VENTURI ADJUSTMENT CHART**

FUEL	B36		GX36	
	TOP	REAR	TOP	REAR
NG	1/16" (1.5mm)	1/16" (1.5mm)	1/4" (6.3mm)	1/4" (6.3mm)
LP	3/8" (9.5mm)	3/8" (9.5mm)	3/8" (9.5mm)	FULL OPEN

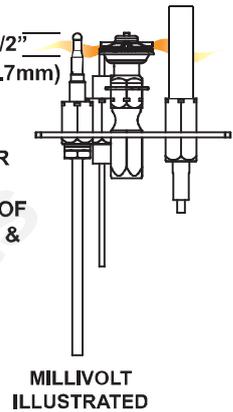
### 9.3 FLAME CHARACTERISTICS

It's important to periodically perform a visual check of the pilot and burner flames. Compare them to the illustrations provided. If any flames appear abnormal call a service person.



3/8" - 1/2"  
(9.5mm - 12.7mm)

FLAME MUST ENVELOPE UPPER 3/8" TO 1/2" (12.7mm - 9.5mm) OF THERMOCOUPLE & THERMOPILE



## 10.0 MAINTENANCE

### ! WARNING

TURN OFF THE GAS AND ELECTRICAL POWER BEFORE SERVICING THE APPLIANCE.

APPLIANCE MAY BE HOT, DO NOT SERVICE UNTIL APPLIANCE HAS COOLED.

DO NOT USE ABRASIVE CLEANERS.

DO NOT PAINT THE PILOT ASSEMBLY.

**CAUTION:** Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing. This appliance and its venting system should be inspected before use and at least annually by a qualified service person. The appliance area must be kept clear and free of combustible materials, gasoline or other flammable vapors and liquids. The flow of combustion and ventilation air must not be obstructed.

- A. In order to properly clean the burner and pilot assembly, remove the logs, rocks and/or glass to expose both assemblies.
- B. Keep the control compartment, media, burner, air shutter opening and the area surrounding the logs clean by vacuuming or brushing, at least once a year.
- C. Check to see that all burner ports are burning. Clean out any of the ports which may not be burning or are not burning properly.
- D. Check to see that the pilot flame is large enough to engulf the flame sensor and/or thermocouple / thermopile as well as reaches the burner.
- E. Replace the cleaned logs, rocks or glass. Failure to properly position the media may cause carboning which can be distributed in the surrounding living area.
- F. Check to see that the main burner ignites completely on all openings when turned on. A 5 to 10 second total light-up period is satisfactory. If ignition takes longer, consult your local authorized dealer / distributor.
- G. Check that the gasketing on the sides, top and bottom of the door is not broken or missing. Replace if necessary.
- H. If for any reason the vent air intake system is disassembled, re-install and re-seal per the instructions provided for the initial installation.
- I. Cleaning the safety barrier may be necessary due to excessive lint / dust from carpeting, pets, etc. simply vacuum using the brush attachment.
- J. Ensure the relief system performs effectively. Check that the gasket is not worn or damaged. Replace if necessary.

40.1D

## 10.1 ANNUAL MAINTENANCE

### ! WARNING

THE FIREBOX BECOMES VERY HOT DURING OPERATION. LET THE APPLIANCE COOL COMPLETELY OR WEAR HEAT RESISTANT GLOVES BEFORE CONDUCTING SERVICE.

NEVER VACUUM HOT EMBERS.

DO NOT PAINT THE PILOT ASSEMBLY.

- This appliance will require maintenance which should be planned on an annual basis.
- Service should include cleaning, battery replacement, venting inspection and inspection of the burner, media and firebox. Refer to the door removal section and remove the door as instructed.
- Carefully remove media if necessary (logs, glass, brick panels etc).
- Using a vacuum with a soft brush attachment, gently remove any dirt, debris or carbon build up from the logs, firebox and burner. For glass media, follow the installation instructions for pre-cleaning.
- Also gently remove any build-up on the pilot assembly including, if equipped; thermopile, thermocouple, flame sensor and igniter. **NOTE: The flame sensor may require to be cleaned using a fine steel wool or Scotch-Brite™ scrubbing pad to remove any oxides. Clean the pilot assembly using a vacuum with a soft brush attachment. It is important that the pilot assembly is not painted.**
- Inspect all accessible gaskets and replace as required.
- Access the blower, if equipped and clean using a soft brush and vacuum.
- Re-assemble the various components in reverse order.
- Inspect the relief system. The appliance relieves through the main glass door or through the flaps on the firebox top. Ensure they open freely, and close sealed.
- Check the gas control valve pilot and Hi / Lo knobs move freely (if equipped) – replace if any stiffness in movement is experienced.
- Check for gas leaks on all gas connections up and downstream from the gas valve including the pilot tube connections.

37.1C

## 10.2 DOOR GLASS REPLACEMENT

### ! WARNING

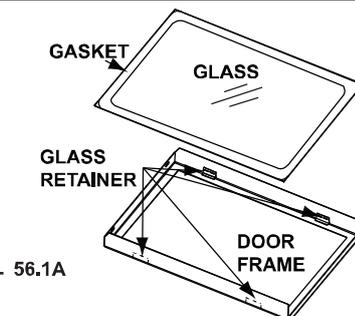
DO NOT USE SUBSTITUTE MATERIALS.

GLASS MAY BE HOT, DO NOT TOUCH GLASS UNTIL COOLED.

CARE MUST BE TAKEN WHEN REMOVING AND DISPOSING OF ANY BROKEN DOOR GLASS OR DAMAGED COMPONENTS. BE SURE TO VACUUM UP ANY BROKEN GLASS FROM INSIDE THE APPLIANCE BEFORE OPERATION.

DO NOT STRIKE, SLAM OR SCRATCH GLASS. DO NOT OPERATE APPLIANCE WITH GLASS REMOVED, CRACKED, BROKEN OR SCRATCHED.

- Place the door frame face down careful not to scratch the paint.
- Center the gasketed glass inside the door frame with the thick side of the gasket facing up.
- Bend the glass retainers located along the edge of the door frame over the gasket holding the glass in place. Careful not to break the glass.



56.1A

### 10.3 CARE OF GLASS

**DO NOT CLEAN GLASS WHEN HOT! DO NOT USE ABRASIVE CLEANERS TO CLEAN GLASS.**

Buff lightly with a clean dry soft cloth. Clean both sides of the glass after the first 10 hours of operation with a recommended fireplace glass cleaner. Thereafter clean as required. If the glass is not kept clean permanent discoloration and / or blemishes may result.



EN

#### **B36:**

This appliance is factory equipped with 4mm tempered glass. Use only replacement glass available from your Napoleon® dealer. DO NOT SUBSTITUTE MATERIALS.

5.1

#### **GX36:**

This appliance is factory equipped with 5mm ceramic glass. Use only replacement glass available from your Napoleon® dealer. DO NOT SUBSTITUTE MATERIALS.

5.5

5.5.1

## 11.0 REPLACEMENTS



Contact your dealer or the factory for questions concerning prices and policies on replacement parts. Normally all parts can be ordered through your Authorized dealer / distributor.

**FOR WARRANTY REPLACEMENT PARTS, A PHOTOCOPY OF THE ORIGINAL INVOICE WILL BE REQUIRED TO HONOUR THE CLAIM.**

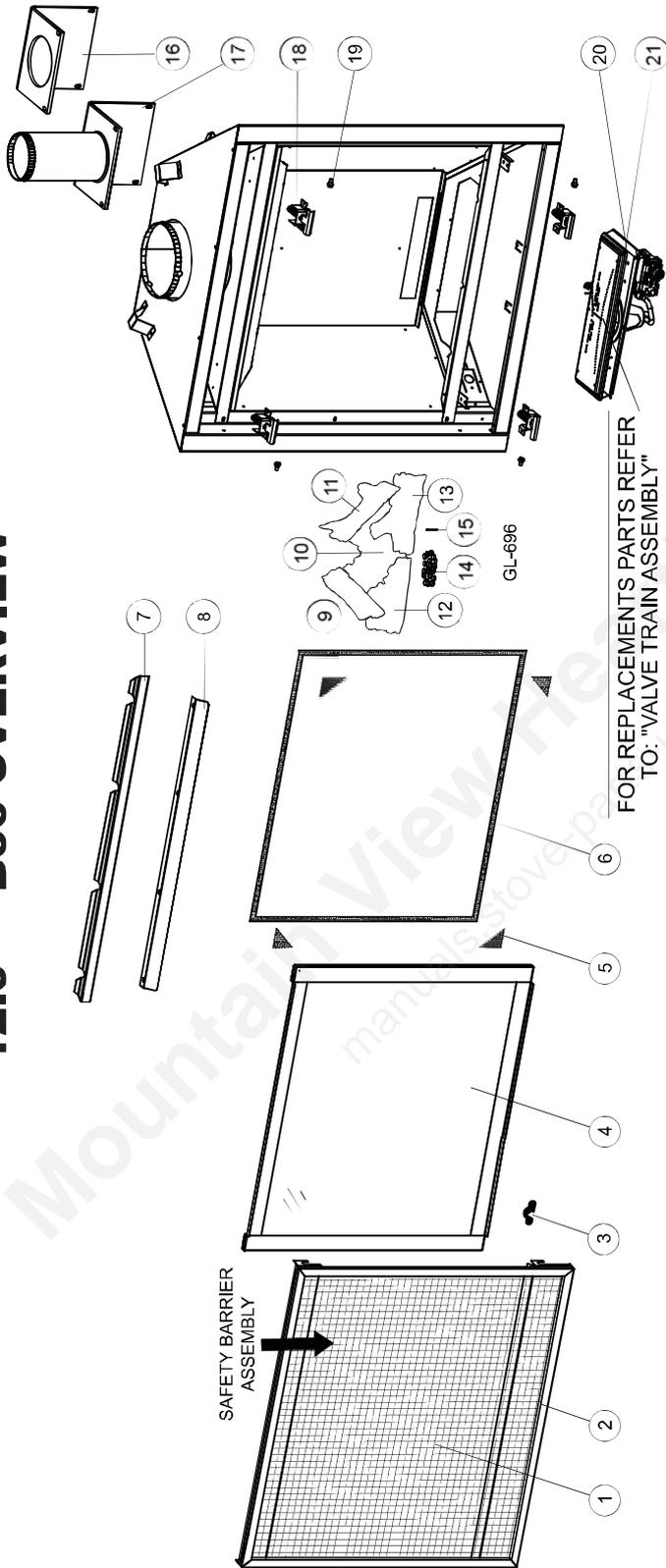
When ordering replacement parts always give the following information:

- Model & Serial Number of appliance
- Installation date of appliance
- Part number
- Description of part
- Finish

**\* IDENTIFIES ITEMS WHICH ARE NOT ILLUSTRATED. FOR FURTHER INFORMATION, CONTACT YOUR AUTHORIZED DEALER.**

41.2

# 12.0 B36 OVERVIEW

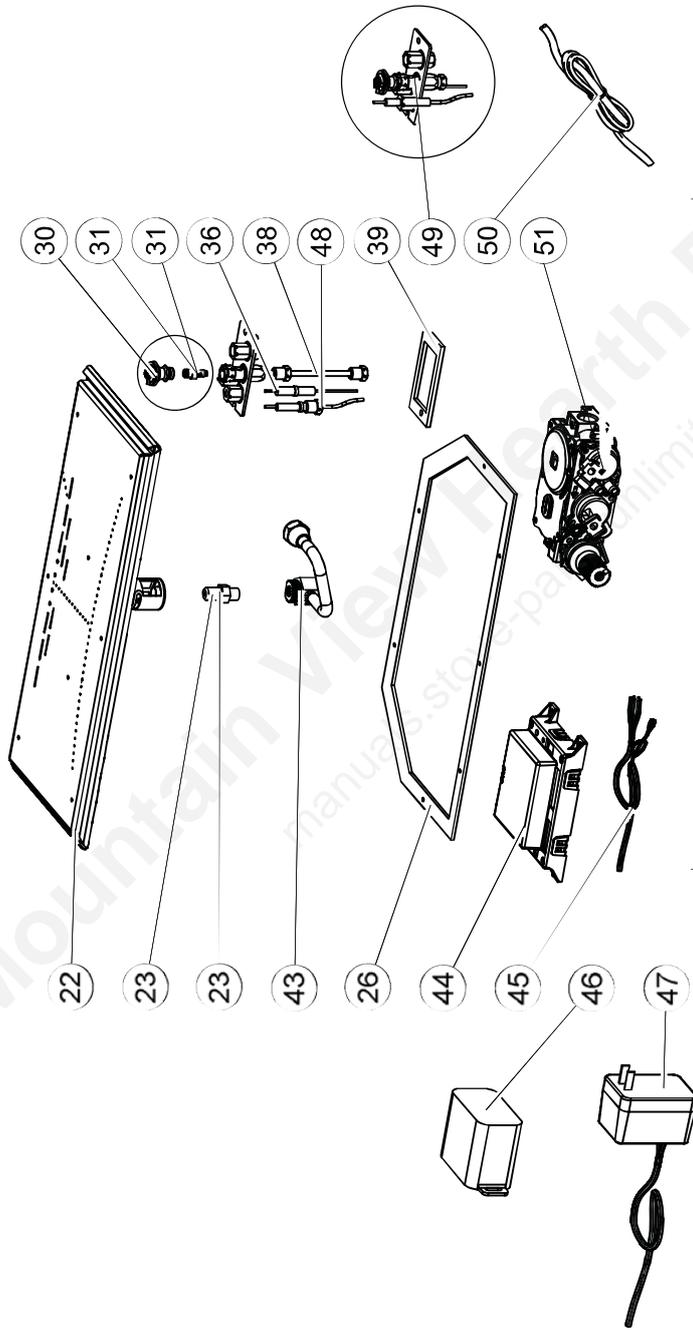


ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
1	W565-0144	SAFETY SCREEN	YES
2	W010-3072	SAFETY BARRIER ASSEMBLY	YES
3	W385-0334	NAPOLEON LOGO	YES
4	W010-3402	DOOR ASSEMBLY	YES
5	W667-0018	GASKET TAPE (X4)	YES
6	W562-0009	DOOR GASKET	YES
7	W335-0063	HOOD	
8	W715-0951	TOP FINISHING TRIM	
9	W135-0546	LEFT CROSSOVER LOG (GL-696)	YES
10	W135-0588	REAR LOG (GL-696)	YES
11	W135-0589	RIGHT CROSSOVER LOG (GL-696)	YES

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
12	W135-0544	LEFT SIDE LOG (GL-696)	YES
13	W135-0545	RIGHT SIDE LOG (GL-696)	YES
14	W361-0016	GLOWING EMBERS (GL-696)	YES
15	W485-0042	LOG LOCATING PIN (GL-696)	YES
16	W290-0259	GASKET FLUE PIPE ASSY	YES
17	W010-3279	4" EXHAUST FLUE PIPE ASSY	YES
18	W010-3070	DOOR LATCHES (X4)	
19	W570-0135	SHOULDER SCREWS (X4)	YES
20	W010-3502	ELECTRONIC VALVE TRAIN ASSY	
21	W010-3500	MILLIVOLT VALVE TRAIN ASSY	

# 13.0 B36 ELECTRONIC VALVE TRAIN ASSEMBLY

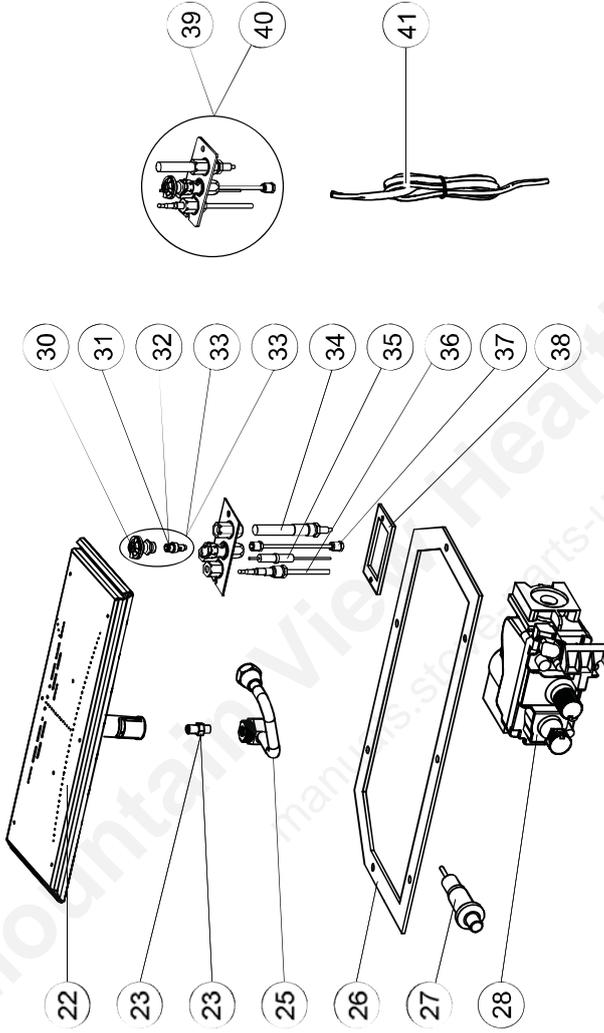


ITEMS MAY NOT APPEAR EXACTLY AS SHOWN

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
22	W100-0169	BURNER ASSEMBLY	YES
23	W456-0047	BURNER ORIFICE #47 (NG)	YES
23	W456-0054	BURNER ORIFICE #54 (LP)	YES
26	W290-0248	VALVE TRAIN GASKET	YES
30	W335-0039	PILOT HOOD	YES
31	W455-0070	PILOT ORIFICE #62 (NG)	YES
31	W455-0068	PILOT ORIFICE #35 (LP)	YES
36	W240-0006	IGNITOR (w/ WIRE)	YES
38	W720-0062	PILOT TUBE (w/ FITTINGS)	YES
39	W290-0029	PILOT GASKET	YES
43	W432-0046	MANIFOLD FLEX PIPE	

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
44	W190-0072	CONTROL MODULE	YES
45	W010-1986	WIRE HARNESS	
46	W350-0342	BATTERY BACK-UP	YES
47	W707-0010	TRANSFORMER	YES
48	W245-0025	THERMOSENSOR	YES
49	W010-2763	PILOT ASSEMBLY (NG)	YES
49	W010-2808	PILOT ASSEMBLY (LP)	YES
50	W750-1986	WIRE ASSEMBLY	YES
51	W725-0062	886 PROFLAME VALVE (NG)	YES
51	W725-0063	886 PROFLAME VALVE (LP)	YES

# 14.0 B36 MILLIVOLT VALVE TRAIN ASSEMBLY

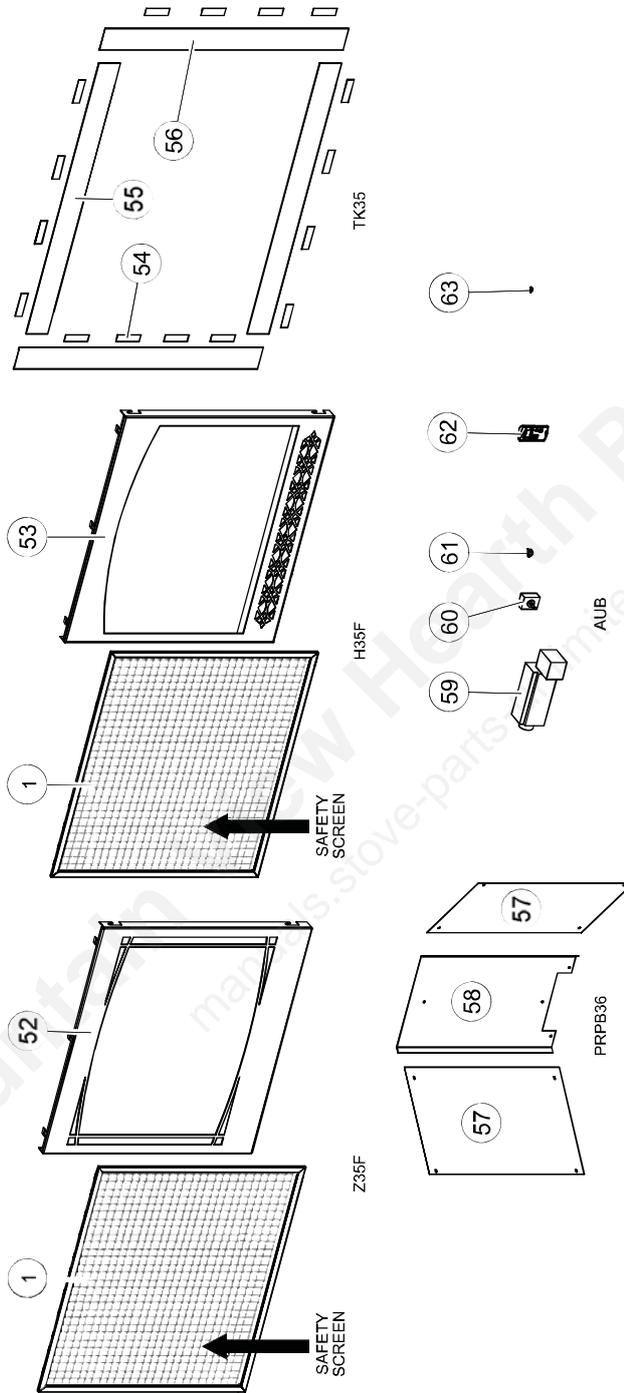


ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
22	W100-0169	BURNER ASSEMBLY	YES
23	W456-0047	BURNER ORIFICE #47 (NG)	YES
23	W456-0054	BURNER ORIFICE #54 (LP)	YES
25	W432-0078	MANIFOLD FLEX PIPE	YES
26	W290-0248	VALVE TRAIN GASKET	YES
27	W357-0001	PUSH BUTTON IGNITOR	YES
28	W725-0025	VALVE (NG)	YES
28	W725-0043	VALVE (LP)	YES
30	W335-0039	PILOT HOOD	YES
31	W455-0070	PILOT ORIFICE #62 (NG)	YES
32	W455-0068	PILOT ORIFICE #35 (LP)	YES

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
33	W010-0801	PILOT (NG)	YES
33	W010-0800	PILOT (LP)	YES
34	W680-0004	THERMOPILE	YES
35	W240-0006	IGNITOR (w/ WIRE)	YES
36	W680-0005	THERMOCOUPLE	YES
37	W720-0062	PILOT TUBE (w/ FITTINGS)	YES
38	W290-0029	PILOT GASKET	YES
39	W010-0798	PILOT ASSEMBLY (NG)	YES
40	W010-0799	PILOT ASSEMBLY (LP)	YES
41	W750-0112	WIRE ASSEMBLY	YES

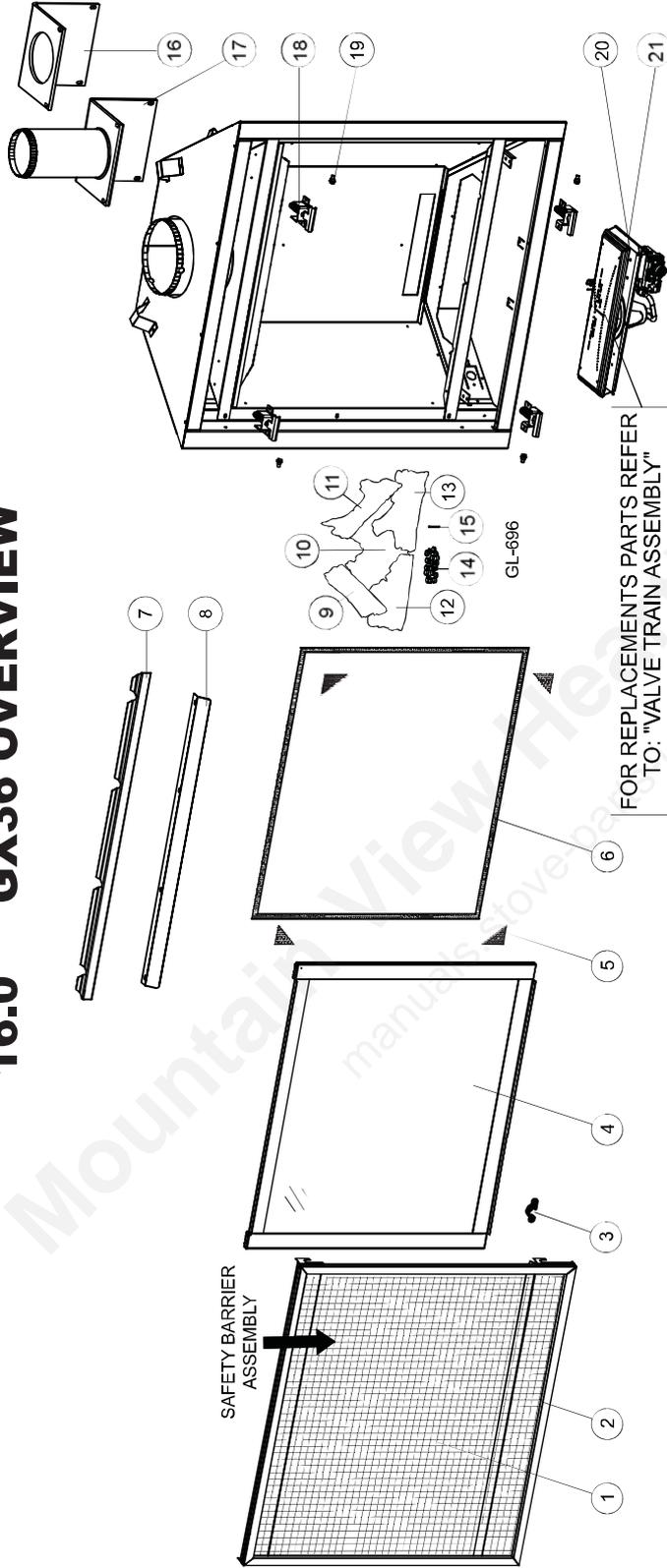
# 15.0 B36 ACCESSORIES



ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
1	W565-0144	SAFETY SCREEN (Z35F & H35F)	
52	W010-3072	ZEN FRONT ASSEMBLY (Z35F)	
53	W010-3068	HERRITAGE FRONT ASSEMBLY(H35F)	
54	W430-0003	MAGNETS (X16) (TK35)	YES
55	W715-0953	TOP/BOTTOM TRIM (X2) (TK35)	
56	W715-0952	SIDE TRIM (X2) (TK35)	
57	W475-0990	SIDE PORCELAIN PANEL(X2)(PRPB36)	
58	W475-0989	REAR PORCELAIN PANEL (PRPB36)	
59	W062-0059	BLOWER (AUB)	YES
60	W660-0019	VARIABLE SPEED SWITCH (AUB)	YES
61	W690-0002	THERMODISC (AUB)	YES
62	F45/F50	HANDHELD REMOTE CONTROL	YES
63	W715-0191	ANTI-CONDENSATION SWITCH (ACS)	YES

# 16.0 GX36 OVERVIEW

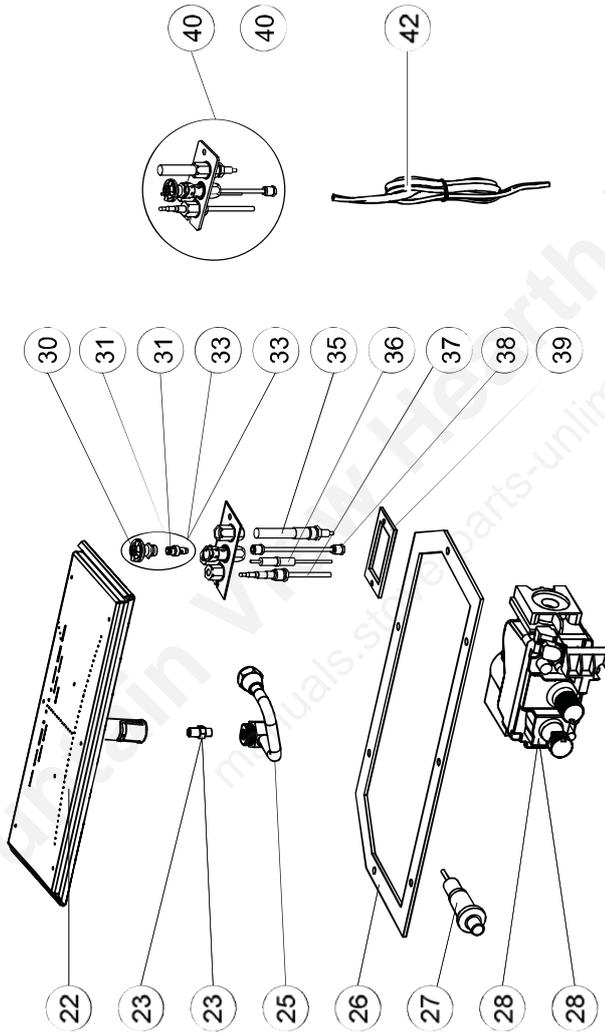


ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
1	W565-0144	SAFETY SCREEN	YES
2	W010-3072	SAFETY BARRIER ASSEMBLY	YES
3	W385-0334	NAPOLEON LOGO	YES
4	W010-0402	DOOR ASSEMBLY	YES
5	W667-0018	GASKET TAPE (X4)	YES
6	W562-0009	DOOR GASKET	YES
7	W335-0063	HOOD	
8	W715-0951	TOP FINISHING TRIM	
9	W135-0546	LEFT CROSSOVER LOG (GL-696)	YES
10	W135-0588	REAR LOG (GL-696)	YES
11	W135-0589	RIGHT CROSSOVER LOG (GL-696)	YES

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
12	W135-0544	LEFT SIDE LOG (GL-696)	YES
13	W135-0545	RIGHT SIDE LOG (GL-696)	YES
14	W361-0016	GLOWING EMBERS (GL-696)	YES
15	W485-0042	LOG LOCATING PIN (GL-696)	
16	W290-0259	GASKET FLUE PIPE ASSY	YES
17	W010-3279	4" EXHAUST FLUE PIPE ASSY	YES
18	W010-3070	DOOR LATCHES (X4)	
19	W570-0135	SHOULDER SCREWS (X4)	YES
20	W010-3503	ELECTRONIC VALVE TRAIN ASSY	YES
21	W010-3501	MILLIVOLT VALVE TRAIN ASSY	YES

# 17.0 GX36 MILLIVOLT VALVE TRAIN ASSEMBLY

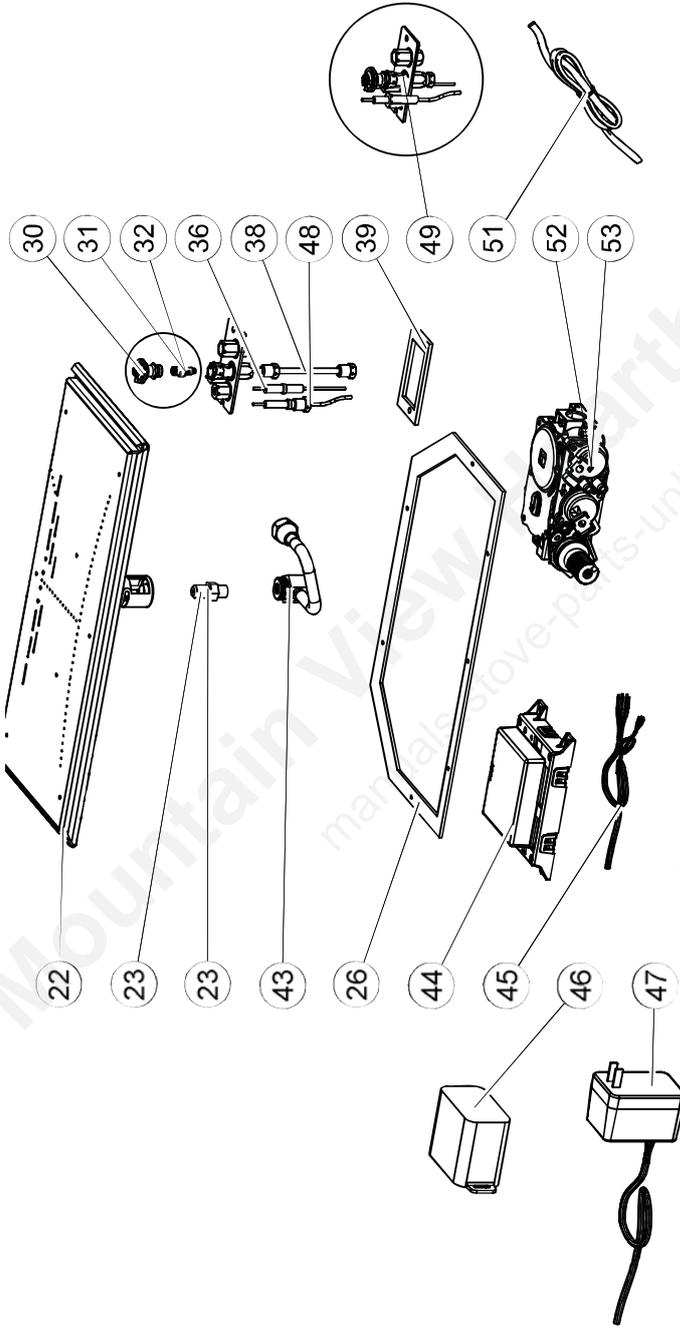


ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
22	W100-0169	BURNER ASSEMBLY	YES
23	W456-0043	BURNER ORIFICE #43 (NG)	YES
23	W456-0053	BURNER ORIFICE #53 (LP)	YES
25	W432-0078	MANIFOLD FLEX PIPE	
26	W290-0248	VALVE TRAIN GASKET	YES
27	W357-0001	PUSH BUTTON IGNITOR	YES
28	W725-0025	VALVE (NG)	YES
28	W725-0043	VALVE (LP)	YES
30	W335-0039	PILOT HOOD	YES
31	W455-0070	PILOT ORIFICE #62 (NG)	YES
31	W455-0068	PILOT ORIFICE #35 (LP)	YES

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
33	W010-0801	PILOT (NG)	YES
33	W010-0800	PILOT (LP)	YES
35	W680-0004	THERMOPILE	YES
36	W240-0006	IGNITOR (w/ WIRE)	YES
37	W680-0005	THERMOCOUPLE	YES
38	W720-0062	PILOT TUBE (w/ FITTINGS)	YES
39	W290-0029	PILOT GASKET	YES
40	W010-0798	PILOT ASSEMBLY (NG)	YES
40	W010-0799	PILOT ASSEMBLY (LP)	YES
42	W750-0112	WIRE ASSEMBLY	YES

## 18.0 GX36 ELECTRONIC VALVE TRAIN ASSEMBLY

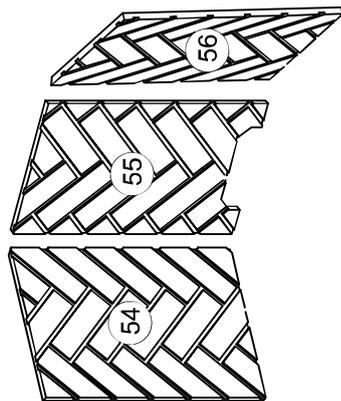


ITEMS MAY NOT APPEAR EXACTLY AS SHOWN

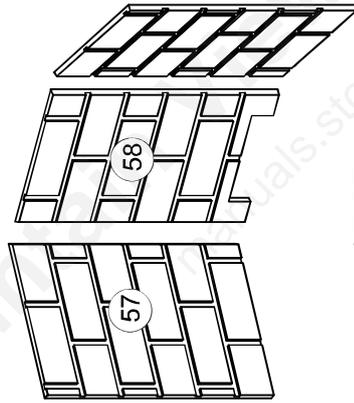
REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
22	W100-0169	BURNER ASSEMBLY	YES
23	W456-0043	BURNER ORIFICE #43 (NG)	YES
23	W456-0053	BURNER ORIFICE #53 (LP)	YES
26	W290-0248	VALVE TRAIN GASKET	YES
30	W335-0039	PILOT HOOD	YES
31	W455-0070	PILOT ORIFICE #62 (NG)	YES
32	W455-0068	PILOT ORIFICE #35 (LP)	YES
36	W240-0006	IGNITOR (w/ WIRE)	YES
38	W720-0062	PILOT TUBE (w/ FITTINGS)	YES
39	W290-0029	PILOT GASKET	YES
43	W432-0046	MANIFOLD FLEX PIPE	YES

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
44	W190-0022	CONTROL MODULE	YES
45	W750-0309	WIRE HARNESS	YES
46	W350-0342	BATTERY BACK-UP	YES
47	W707-0010	TRANSFORMER	YES
48	W245-0025	THERMOSENSOR	YES
49	W010-2763	PILOT ASSEMBLY (NG)	YES
49	W010-2808	PILOT ASSEMBLY (LP)	YES
51	W750-1986	WIRE ASSEMBLY	YES
52	W725-0062	886 PROFLAME VALVE (NG)	YES
53	W725-0063	886 PROFLAME VALVE (LP)	YES

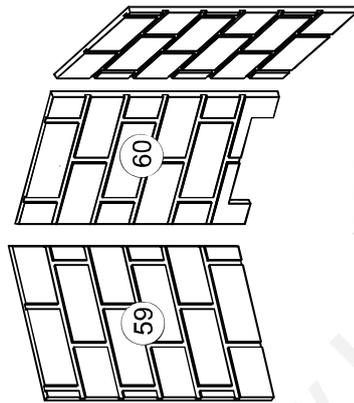
## 19.0 GX36 ACCESSORIES



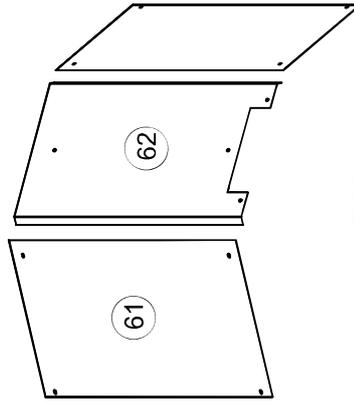
GD861KT



GD862KT



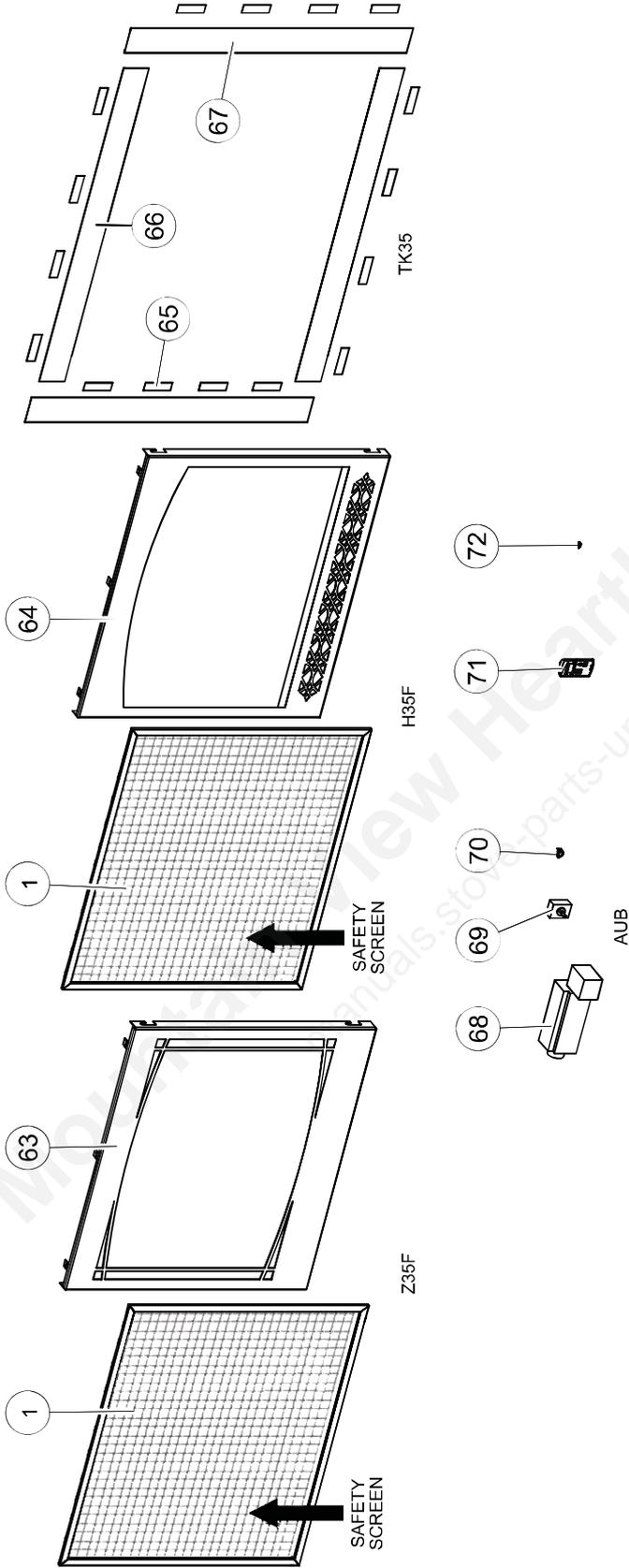
GD863KT



PRPB36

ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
54	W475-0994	LEFT SIDE HERRINGBONE PANEL (GD861KT)	
55	W475-0993	REAR HERRINGBONE PANEL (GD861KT)	
56	W475-0995	RIGHT SIDE HERRINGBONE PANEL (GD861KT)	
57	W475-0992	SIDE SANDSTONE BRICK PANEL (X2) (GD862KT)	
58	W475-0991	REAR SANDSTONE BRICK PANEL (GD862KT)	
59	W475-0997	SIDE NEWPORT BRICK PANEL (X2) (GD863KT)	
60	W475-0996	REAR NEWPORT BRICK PANEL (GD863KT)	
61	W475-0990	SIDE PORCELAIN PANELS (X2) (PRPB36)	
62	W475-0989	REAR PORCELAIN PANEL (PRPB36)	



ITEMS MAY NOT APPEAR EXACTLY AS ILLUSTRATED

REF. NO.	PART NUMBER	DESCRIPTION	STOCKED
1	W565-0144	SAFETY SCREEN (Z35F & H35F)	YES
63	W010-3072	ZEN FRONT ASSEMBLY (Z35F)	
64	W010-3068	HERRITAGE FRONT ASSEMBLY(H35F)	
65	W430-0003	MAGNETS (X16) (TK35)	YES
66	W715-0953	TOP/BOTTOM TRIM (X2) (TK35)	
67	W715-0952	SIDE TRIM (X2) (TK35)	
68	W062-0059	BLOWER (AUB)	YES
69	W660-0019	VARIABLE SPEED SWITCH (AUB)	YES
70	W690-0002	THERMODISC (AUB)	YES
71	F45/F50	HANDHELD REMOTE CONTROL	YES
72	W715-0191	ANTI-CONDENSATION SWITCH (ACS)	YES

## 20.0 TROUBLESHOOTING (ELECTRONIC)

EN

### ! WARNING

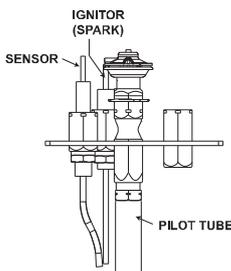
ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RAN OUT, WITH THE GLASS DOOR OPEN OR REMOVED.

TURN OFF THE GAS AND ELECTRICAL POWER BEFORE SERVICING THE APPLIANCE.

APPLIANCE MAY BE HOT, DO NOT SERVICE UNTIL APPLIANCE HAS COOLED.

DO NOT USE ABRASIVE CLEANERS.

SYMPTOM	PROBLEM	TEST SOLUTION
Pilot will not light.  Makes noise with no spark at pilot burner.	Wiring.	- Verify the wire for the sensor and the wire for the ignitor are connected to the correct terminals (not reversed) on the module. <b>NOTE:</b> Sensor has 3/16" (4.8mm) connection and ignitor has 1/8" (3.2mm) connection.
	Loose connection.	- Verify no loose connections, electrical shorts in the wiring or ground out to any metal object.
	Module.	- Turn the ON/OFF switch to the "OFF" position. Remove the igniter wire from the module. Place the ON/OFF switch to the "ON" position. Hold a grounded wire about 3/16" (4.8mm) away from the ignitor (spark) terminal on the module. If no spark the ignitor terminal module must be replaced. If there is a spark the ignitor terminal is fine. Inspect pilot assembly for a shorted wire or cracked insulator around the electrode.
	Igniter Spark gap is incorrect.	- Spark gap of the ignitor to the pilot should be 1/8" (3.2mm).
	Transformer.	- Verify the transformer is installed and plugged into the module. Check voltage of the transformer under load at the spade connections on the module with the ON/OFF switch in the "ON" position. Acceptable readings of a good transformer are between 6.2 and 7.0 volts A.C.
	Battery backup (if power is off)	- Check batteries.
	A shorted or loose Connection.	- Remove and reinstall the wiring harness that plugs into the module. Remove and verify continuity of each wire in wiring harness.
	Improper switch wiring.	- Troubleshoot the system with the simplest ON/OFF switch.
	Module is not grounded.	- Verify the valve and pilot assemblies are properly grounded to the metal chassis of the appliance or log set.
	Pilot sparks but will not light.	Gas supply.
Out of propane gas.		- Fill the tank.



42.7A

SYMPTOM	PROBLEM	TEST SOLUTION
Carbon is being deposited on glass, logs, rocks, media or combustion chamber surfaces.	Air shutter has become blocked.	- Ensure air shutter opening is free of lint or other obstructions.
	Flame is impinging on the glass, logs, rocks, media or combustion chamber.	- Check that the glass, logs, rocks or media are correctly positioned. - Open air shutter to increase the primary air. - Check the input rate: check the manifold pressure and orifice size as specified by the rating plate values. - Check that the door gasketing is not broken or missing and that the seal is tight. - Check that both vent liners are free of holes and well sealed at all joints. - Check that minimum rise per foot has been adhered to for any horizontal venting.
Continues to spark and pilot lights, but main burner will not light.	Short or loose connection in sensor rod.	- Verify all connections. Verify the connections from the pilot assembly are tight; also verify these connections are not grounding out to any metal.
	Poor flame rectification or contaminated sensor rod.	- Verify the flame is engulfing the sensor rod. This will increase the flame rectification. Verify correct pilot orifice is installed and inlet gas specifications to manual. (Remember, the flame carries the rectification current, not the gas. If the flame lifts from pilot hood, the circuit is broken. A wrong orifice or too high of an inlet pressure can cause the pilot flame to lift.) The sensor rod may need cleaning.
	Poor grounding between pilot assembly and gas valve.	- Verify that the wire harness is firmly connected to module. Verify that the ceramic insulator around the sensor rod is not cracked, damaged, or loose. Verify the connection from the sensor rod to the sensor wire.
	Damaged pilot or dirty sensor rod.	- Clean sensor rod with a fine steel wool to remove any contamination that may have accumulated on the sensor rod. Verify continuity with multimeter with ohms set at the lowest range.
Pilot lights Stops sparking / pilot remains lit but burner will not turn on.	Wiring / Connection.	- Inspect all wires, ensure good tight connections. Verify that all wiring is installed exactly as specified.
	Wiring harness.	- Inspect the wiring harness, and verify the harness is tightly connected to the module. Verify that all wires are connected in the right order. See "WIRING DIAGRAM" section.
Exhaust fumes smelled in room, headaches.	Appliance is spilling.	- Check all seals. - Check if exhaust is re-entering through an open door or window.

42.7\_2

SYMPTOM	PROBLEM	TEST SOLUTION
White / grey film forms.	Sulphur from fuel is being deposited on glass, logs or combustion chamber surfaces.	<ul style="list-style-type: none"> <li>- Clean the glass, see "CARE OF GLASS" section</li> <li>- <b>DO NOT CLEAN GLASS WHEN HOT.</b></li> <li>- If deposits are not cleaned off regularly, the glass may become permanently marked.</li> </ul>
Flames are very aggressive.	Door is ajar.	- Tighten door clamps if applicable.
	Venting action is too great.	- Restrict vent exit with restrictor plate. See "RESTRICTING VENTS" section if applicable.
Main burner flame is a blue, lazy, transparent flame.	Blockage in vent.	<ul style="list-style-type: none"> <li>- Remove blockage. In really cold conditions, ice buildup may occur on the terminal and should be removed. To minimize this from happening again, it is recommended that the vent lengths that pass through unheated spaces (attics, garages, crawl spaces) be wrapped with an insulated mylar sleeve. Prevent sleeve from sagging. Contact your local authorized dealer for more information.</li> </ul>
	Compromised venting.	- Check venting system parameters (seal, length, rise, etc.).
Main burner goes out: pilot goes out.	Vent recirculation.	- Check joint seals and installation.

42.7\_3B

EN

## 21.0 TROUBLESHOOTING (MILLIVOLT)

### ! WARNING

ALWAYS LIGHT THE PILOT WHETHER FOR THE FIRST TIME OR IF THE GAS SUPPLY HAS RAN OUT, WITH THE GLASS DOOR OPEN OR REMOVED.

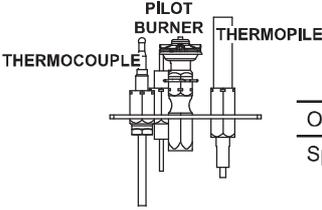
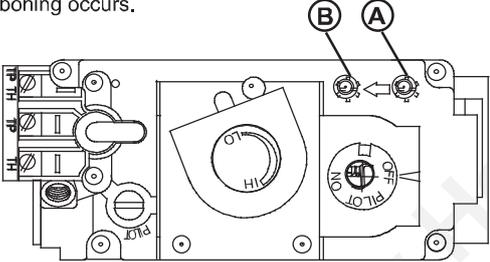
TURN OFF THE GAS AND ELECTRICAL POWER BEFORE SERVICING THE APPLIANCE.

APPLIANCE MAY BE HOT, DO NOT SERVICE UNTIL APPLIANCE HAS COOLED.

DO NOT USE ABRASIVE CLEANERS.

SYMPTOM	PROBLEM	TEST SOLUTION
Main burner goes out; pilot stays on.	Pilot flame is not large enough or not engulfing the thermopile.	<ul style="list-style-type: none"> <li>- Turn up the pilot flame.</li> <li>- Replace pilot assembly.</li> </ul>
	Thermopile shorting.	<ul style="list-style-type: none"> <li>- Clean thermopile connection to the valve. Reconnect.</li> <li>- Replace thermopile / valve.</li> </ul>
	Remote wall switch wire is too long; too much resistance in the system.	<ul style="list-style-type: none"> <li>- Shorten wire to correct length or wire gauge.</li> </ul>
	Faulty thermostat or switch.	<ul style="list-style-type: none"> <li>- Replace.</li> </ul>
Main burner goes out; pilot goes out.	Refer to "MAIN BURNER GOES OUT; PILOT STAYS ON"	
	Vent is blocked	<ul style="list-style-type: none"> <li>- Check for vent blockage.</li> </ul>
	Vent is re-circulating	<ul style="list-style-type: none"> <li>- Check joint seals and installation</li> </ul>
	Flexible vent has become disconnected from appliance.	<ul style="list-style-type: none"> <li>- Re-attach to appliance.</li> <li>- Cap was not replaced.</li> </ul>
Pilot goes out when the gas knob is released. <b>The gas valve has an interlock device which will not allow the pilot burner to be lit until the thermocouple has cooled. Allow approximately 60 seconds for the thermocouple to cool.</b>	System is not correctly purged	<ul style="list-style-type: none"> <li>- Purge the gas line.</li> </ul>
	Out of propane gas.	<ul style="list-style-type: none"> <li>- Fill the tank.</li> </ul>
	Pilot flame is not large enough.	<ul style="list-style-type: none"> <li>- Turn up the pilot flame.</li> </ul>
	Pilot flame is not engulfing the thermocouple	<ul style="list-style-type: none"> <li>- Gently twist the pilot head to improve the flame pattern around the thermocouple.</li> </ul>
	Thermocouple shorting / faulty.	<ul style="list-style-type: none"> <li>- Loosen and tighten thermocouple.</li> <li>- Clean thermocouple and valve connection.</li> <li>- Replace thermocouple.</li> <li>- Replace valve.</li> </ul>
Faulty valve.	<ul style="list-style-type: none"> <li>- Replace.</li> </ul>	
Pilot burning; no gas to main burner; gas knob is on 'HI'; wall switch / thermostat is on.	Thermostat or switch is defective	<ul style="list-style-type: none"> <li>- Connect a jumper wire across the wall switch terminals; if main burner lights, replace switch / thermostat.</li> </ul>
	Wall switch wiring is defective.	<ul style="list-style-type: none"> <li>- Disconnect the switch wires &amp; connect a jumper wire across terminals 1 &amp; 3; if the main burner lights, check the wires for defects and/or replace wires.</li> </ul>
	Main burner orifice is plugged.	<ul style="list-style-type: none"> <li>- Remove stoppage in orifice.</li> </ul>
	Faulty valve.	<ul style="list-style-type: none"> <li>- Replace.</li> </ul>
Pilot goes out while standing; Main burner is in 'OFF' position.	Gas piping is undersized.	<ul style="list-style-type: none"> <li>- Turn on all gas appliances and see if pilot flame flutters, diminishes or extinguishes, especially when main burner ignites. Monitor appliance supply working pressure.</li> <li>- Check if supply piping size is to code. Correct all undersized piping.</li> </ul>
Main burner flame is a blue, lazy, transparent flame.	Blockage in vent.	<ul style="list-style-type: none"> <li>- Remove blockage. In really cold conditions, ice buildup may occur on the terminal and should be removed as required. To minimize this from happening again, it is recommended that the vent lengths that pass through unheated spaces (attics, garages, crawl spaces) be wrapped with an insulated mylar sleeve. Prevent sleeve from sagging. Contact your local authorized dealer for more information.</li> </ul>

42.3B

SYMPTOM	PROBLEM	TEST SOLUTION														
Pilot will not light.  	No spark at pilot burner.	<ul style="list-style-type: none"> <li>- Check if pilot can be lit by a match.</li> <li>- Check that the wire is connected to the push button igniter.</li> <li>- Check if the push button igniter needs tightening.</li> <li>- Replace the wire if the wire insulation is broken or frayed.</li> <li>- Replace the electrode if the ceramic insulator is cracked or broken.</li> <li>- Replace the push button ignitor</li> </ul>														
	Out of propane gas.	<ul style="list-style-type: none"> <li>- Fill the tank.</li> </ul>														
	Spark gap is incorrect.	<ul style="list-style-type: none"> <li>- Spark gap should be 0.150" (3.8mm) to 0.175" (4.5mm) from the electrode tip and the pilot burner. To ensure proper electrode location, tighten securing nut (finger tight plus 1/4 turn).</li> </ul>														
	No gas at the pilot burner.	<ul style="list-style-type: none"> <li>- Check that the manual valve is turned on.</li> <li>- Check the pilot orifice for blockage.</li> <li>- Replace the valve.</li> <li>- Call the gas distributor.</li> </ul>														
Flames are consistently too large or too small. Carboning occurs.  	Unit is over-fired or underfired.	<ul style="list-style-type: none"> <li>- Check pressure readings:</li> <li>- Inlet pressure can be checked by turning screw (A) counter-clockwise 2 or 3 turns and then placing pressure gauge tubing over the test point. Gauge should read as described on the chart below. Check with main burner is operating on 'HI'.</li> <li>- Outlet pressure can be checked the same as above using screw (B). Gauge should read as described on the chart below. Check that main burner is operating on 'HI'.</li> <li>- AFTER TAKING PRESSURE READINGS, BE SURE TO TURN SCREWS CLOCKWISE FIRMLY TO RESEAL. DO NOT OVER TORQUE.</li> <li>- Leak test with a soap and water solution.</li> </ul>														
		<table border="1"> <thead> <tr> <th>Pressure</th> <th>Natural Gas (inches)</th> <th>Natural Gas (millibars)</th> <th>Propane (inches)</th> <th>Propane (millibars)</th> </tr> </thead> <tbody> <tr> <td>Inlet</td> <td>7" (MIN. 4.5")</td> <td>17.4mb (MIN. 11.2mb)</td> <td>13" (MIN. 11")</td> <td>32.4mb (MIN. 27.4mb)</td> </tr> <tr> <td>Outlet</td> <td>3.5"</td> <td>8.7mb</td> <td>10"</td> <td>24.9mb</td> </tr> </tbody> </table>	Pressure	Natural Gas (inches)	Natural Gas (millibars)	Propane (inches)	Propane (millibars)	Inlet	7" (MIN. 4.5")	17.4mb (MIN. 11.2mb)	13" (MIN. 11")	32.4mb (MIN. 27.4mb)	Outlet	3.5"	8.7mb	10"
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Flames are very aggressive.	Door is ajar.	<ul style="list-style-type: none"> <li>- Ensure the mechanical means of securing the door is providing a tight seal.</li> </ul>														
	Venting action is too great.	<ul style="list-style-type: none"> <li>- Check to ensure venting is properly sealed.</li> <li>- If restriction is required see "RESTRICTING VERTICAL VENT" section.</li> </ul>														
Carbon is being deposited on glass, logs or combustion chamber surfaces.	Air shutter has become blocked.	<ul style="list-style-type: none"> <li>- Ensure air shutter opening is free of lint or other obstructions.</li> </ul>														
	Flame is impinging on the logs or combustion chamber.	<ul style="list-style-type: none"> <li>- Check that the logs are correctly positioned.</li> <li>- Open air shutter to increase the primary air.</li> <li>- Check the input rate: check the manifold pressure and orifice size as specified by the rating plate values.</li> <li>- Check that the door gasketing is not broken or missing and that the seal is tight.</li> <li>- Check that both vent liners are free of holes and well sealed at all joints.</li> <li>- Check that minimum rise per foot (meter) has been adhered to for any horizontal venting.</li> </ul>														

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SYMPTOM	PROBLEM	TEST SOLUTION
White / grey film forms.	Sulphur from fuel is being deposited on glass, logs or combustion chamber surfaces.	<ul style="list-style-type: none"> <li>- Clean the glass with a recommended gas appliance glass cleaner.</li> <li>- DO NOT CLEAN GLASS WHEN HOT.</li> <li>- If deposits are not cleaned off regularly, the glass may become permanently marked.</li> </ul>
Exhaust fumes smelled in room, headaches.	Appliance is spilling.	<ul style="list-style-type: none"> <li>- Ensure exhaust bracket gasket seal.</li> <li>- Check door seal and relief flap seal.</li> <li>- Check for chimney blockage.</li> <li>- Check that chimney is installed to building code.</li> <li>- Room is in negative pressure; increase fresh air supply.</li> <li>- Check cap gasket on the flue pipe assembly.</li> </ul>
Remote wall switch is in 'OFF' position; main burner comes on when gas knob is turned to 'ON' position.	Wall switch is mounted upside down.	- Reverse.
	Remote wall switch is grounding.	- Replace.
	Remote wall switch wire is grounding.	- Check for ground (short); repair ground or replace wire.
	Faulty valve.	- Replace.

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## 22.0 WARRANTY

NAPOLEON® products are manufactured under the strict Standard of the world recognized ISO 9001 : 2008 Quality Assurance Certificate.

NAPOLEON® products are designed with superior components and materials assembled by trained craftsmen who take great pride in their work. The burner and valve assembly are leak and test-fired at a quality test station. The complete appliance is again thoroughly inspected by a qualified technician before packaging to ensure that you, the customer, receives the quality product that you expect from NAPOLEON®.

### NAPOLEON® GAS APPLIANCE PRESIDENT'S LIFETIME LIMITED WARRANTY

The following materials and workmanship in your new NAPOLEON® gas appliance are warranted against defects for as long as you own the appliance. This covers: combustion chamber, heat exchanger, stainless steel burner, phazer™ logs and embers, rocks, ceramic glass (thermal breakage only), gold plated parts against tarnishing, porcelainized enameled components and aluminum extrusion trims.\*

Electrical (110V and millivolt) components and wearable parts such as blowers, gas valves, thermal switch, switches, wiring, remote controls, ignitor, gasketing, and pilot assembly are covered and NAPOLEON® will provide replacement parts free of charge during the first year of the limited warranty.\*

Labour related to warranty repair is covered free of charge during the first year. Repair work, however, requires the prior approval of an authorized company official. Labour costs to the account of NAPOLEON® are based on a predetermined rate schedule and any repair work must be done through an authorized NAPOLEON® dealer.

\* Construction of models vary. Warranty applies only to components included with your specific appliance.

### CONDITIONS AND LIMITATIONS

NAPOLEON® warrants its products against manufacturing defects to the original purchaser only. Registering your warranty is not necessary. Simply provide your proof of purchase along with the model and serial number to make a warranty claim. NAPOLEON® reserves the right to have its representative inspect any product or part thereof prior to honouring any warranty claim. Provided that the purchase was made through an authorized NAPOLEON® dealer your appliance is subject to the following conditions and limitations:

Warranty coverage begins on the date of original installation.

This factory warranty is non-transferable and may not be extended whatsoever by any of our representatives.

The gas appliance must be installed by a licensed, authorized service technician or contractor. Installation must be done in accordance with the installation instructions included with the product and all local and national building and fire codes.

This limited warranty does not cover damages caused by misuse, lack of maintenance, accident, alterations, abuse or neglect and parts installed from other manufacturers will nullify this warranty.

This limited warranty further does not cover any scratches, dents, corrosion or discoloring caused by excessive heat, abrasive and chemical cleaners nor chipping on porcelain enamel parts, mechanical breakage of PHAZER™ logs and embers.

This warranty extends to the repair or replacement of warranted parts which are defective in material or workmanship provided that the product has been operated in accordance with the operation instructions and under normal conditions.

After the first year, with respect to this President's Lifetime Limited Warranty, NAPOLEON® may, at its discretion, fully discharge all obligations with respect to this warranty by refunding to the original warranted purchaser the wholesale price of any warranted but defective part(s).

NAPOLEON® will not be responsible for installation, labour or any other expenses related to the reinstallation of a warranted part and such expenses are not covered by this warranty.

Notwithstanding any provisions contained in the President's Lifetime Limited Warranty, NAPOLEON'S responsibility under this warranty is defined as above and it shall not in any event extend to any incidental, consequential or indirect damages.

This warranty defines the obligations and liability of NAPOLEON® with respect to the NAPOLEON® gas appliance and any other warranties expressed or implied with respect to this product, its components or accessories are excluded.

NAPOLEON® neither assumes, nor authorizes any third party to assume, on its behalf, any other liabilities with respect to the sale of this product.

NAPOLEON® will not be responsible for: over-firing, downdrafts, spillage caused by environmental conditions such as rooftops, buildings, nearby trees, hills, mountains, inadequate vents or ventilation, excessive venting configurations, insufficient makeup air, or negative air pressures which may or may not be caused by mechanical systems such as exhaust fans, furnaces, clothes dryers, etc.

Any damages to the appliance, combustion chamber, heat exchanger, plated trim or other components due to water, weather damage, long periods of dampness, condensation, damaging chemicals or cleaners will not be the responsibility of NAPOLEON®.

All parts replaced under the President's Limited Lifetime Warranty Policy are subject to a single claim.

During the first 10 years NAPOLEON® will replace or repair the defective parts covered by the lifetime warranty at our discretion free of charge. From 10 years to life, NAPOLEON® will provide replacement parts at 50% of the current retail price.

All parts replaced under the warranty will be covered for a period of 90 days from the date of their installation.

The manufacturer may require that defective parts or products be returned or that digital pictures be provided to support the claim. Returned products are to be shipped prepaid to the manufacturer for investigation. If a product is found to be defective, the manufacturer will repair or replace such defect.

Before shipping your appliance or defective components, your dealer must obtain an authorization number. Any merchandise shipped without authorization will be refused and returned to sender.

Shipping costs are not covered under this warranty.

Additional service fees may apply if you are seeking warranty service from a dealer.

Warranty labour allowance is only for the replacement of the warranted part. Travel, diagnostic tests, shipping and other related charges are not covered by this warranty.

ALL SPECIFICATIONS AND DESIGNS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE DUE TO ON-GOING PRODUCT IMPROVEMENTS. NAPOLEON® IS A REGISTERED TRADEMARK OF WOLF STEEL LTD.

AS REQUIRED BY THE DEPARTMENT OF ENERGY IN THE UNITED STATES, 10 CFR PART 430, THE WARRANTY IS VOID IF THIS PRODUCT IS USED WITH A THERMOSTAT. THIS APPLIES TO PRODUCT INSTALLED IN THE UNITED STATES, ONLY.

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