Installation Instructions

marquis
COLLECTION | by Kingsman

ENCLAVE

Model Numbers: **Single Side Units:**
MQVL60NE2, MQVL60LPE2
Bay Peninsula Units:
MQVLBG60NE2, MQVLBG60LPE2

Certified to: ANSI Z21.88-2017/CSA 2.33-2017 and CSA2.17-2017
VENTED GAS FIREPLACE HEATER

KINGSMAN
FIREPLACES
Est. 1976

| - Certified for use with *Adjustable Vented Platform* (AVP) |

⚠ **WARNING:**
FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

-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.
- Leave the building immediately.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department

-Installation and service must be performed by a qualified installer, service agency or the gas supplier.

INSTALLER: Leave this manual with the appliance.   **CONSUMER:** Retain this manual for future reference.

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.

⚠ **WARNING:**

DO NOT OPERATE THIS APPLIANCE WITHOUT DECORATIVE GLASS EMBERS ON BURNER AND MEDIA TRAY

VENTED GAS FIREPLACE HEATER:
NOT FOR USE WITH SOLID FUEL

ETL
c LISTED us
Intertek
C#4000720

IT IS THE RESPONSIBILITY OF THE HOME OWNER TO ENSURE THAT NO ONE TOUCHES A HOT APPLIANCE.

- If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

- Any safety screen, guard, or barrier removed for servicing the appliance, must be replaced prior to operating the appliance.

- Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.

- Do not clean when the glass is hot.

- 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.

⚠ 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.

- A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace 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.

- Do not leave the fireplace remote control where it is accessible to children.

⚠ WARNING:

A HORIZONTAL VENT CERTIFIED GUARD (SAFETY CAGE) IS AVAILABLE WHEN REQUIRED BY LOCAL CODES.

SAFETY CAGES ARE AVAILABLE FOR ALL HORIZONTAL VENT TERMINATIONS. CHECK WITH YOUR DEALER.

- **TERMINATION CAP IS HOT!** Do not place flammable materials on or within 24 inches of termination caps.

- It is imperative that the vent termination be located observing the minimum clearances as shown in manual.

- There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front of the termination plate.

- Do not locate termination where excessive snow or ice build-up may occur. Be sure to check vent termination area after snow falls and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area.

- Venting terminal shall not be recessed into a wall or siding.

MQVL60 / MQVLBG60   Table of Contents

Burner System

Proflame 2

Venting

Parts Lists

Warranty

Warnings, Installations and Operations - Installation Regulations

This gas appliance must be installed by a qualified installer in accordance with local building codes, or in the absence of local codes, with the current CAN/CSA-B149.1 or .2 Installation Code (in Canada) or the current National Fuel Gas Code Z223.1- NFPA 54 when installed in the United States.

This appliance, when installed, must be electrically connected and grounded in accordance with local codes, or in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code or with the National Electrical Code; ANSI/NFPA 70 when installed in the United States.

⚠ WARNING

FOR SAFE INSTALLATION AND OPERATION OF YOUR GAS FIREPLACE PLEASE NOTE THE FOLLOWING:

1. Do not clean when the glass is hot.
2. Do not use abrasive cleaners.
3. Using a substitute glass will void all product warranties.
4. For safe operation, glass doors must be closed.
5. When purging the gas line, the glass front must be removed.
6. Do not strike or abuse glass. Take care to avoid breakage.
7. Do not alter gas orifice.
8. No substitute materials may be used other than factory supplied components.
9. This appliance gives off high temperatures and should be located out of heavy traffic areas and away from furniture and draperies.
10. Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.
11. 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 a fireplace 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.
12. Under no circumstances should any solid fuels (wood, paper) be used in this appliance.
13. Under no circumstances should this appliance be modified. Any parts that have to be removed for servicing should be replaced prior to operating this appliance.
14. Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.
15. 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, et cetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.
16. Clothing or other flammable material should not be placed on or near the appliance. This appliance should not be used as a drying rack for clothing nor should Christmas stockings or decorations be hung from it.
17. Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.
18. Do not operate appliance unless completely installed as per installation instructions.
19. Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
20. **WARNING: Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.**
21. The appliance area must be kept clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
22. The front of the fireplace gives off high temperatures that could ignite combustible material which is kept close to the front of the unit.
23. Ensure that power to the Fireplace is turned off before servicing.
24. Do not operate this Fireplace without the glass front or with a broken glass.
25. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.
26. Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shutoff system can result in carbon monoxide (CO) poisoning and possible death.
27. This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.
28. **NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE.** This appliance is tested and approved as either supplemental room heat or as a decorative appliance. It should not be factored as primary heat in residential heating calculations.
29. This appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

Installation Requirements for the Commonwealth of Massachusetts

In the Commonwealth of Massachusetts, the installer or service agent shall be a plumber or gas fitter licensed by the Commonwealth.

When installed in the Commonwealth of Massachusetts or where applicable codes; the unit shall be installed with a CO detector per the requirements listed below.

1. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment, where the bottom of the vent terminal and the air intake is installed below four feet above grade the following requirements must be satisfied:
   A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720.
   B. A carbon monoxide detector shall be located in the room that houses the appliance or equipment and shall:
      - Be powered by the same electrical circuit as the appliance or equipment such that only one service switch services both the appliance and the carbon monoxide detector;
      - Have battery back-up power;
      - Meet ANSI./UL 2034 Standards and comply with NFPA 720; and
      - Have been approved and listed by a Nationally Recognized Testing Laboratory as recognized under 527 CMR.
   C. A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer's instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.
   D. A metal or plastic identification plate shall be mounted at the exterior of the building, four feet directly above the location of vent terminal. The plate shall be of sufficient size to be easily read from a distance of eight feet away, and read "Gas Vent Directly Below".
2. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment where the bottom of the vent terminal and the air intake is installed above four feet above grade the following requirements must be satisfied:
   A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720.
   B. A carbon monoxide detector shall:
      - Be located in the room that houses the appliance or equipment;
      - Be either hard-wired or battery powered or both; and
      - Shall comply with NFPA 720.

A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.

For the state of Massachusetts a **T-handle gas shut-off valve** must be used on a gas appliance. This T-handle gas shut-off valve must be listed and approved by the state of Massachusetts. This is in reference to the state of Massachusetts state code CMR238.

Carbon Monoxide (CO) Detector

NOTE: It is recommended that a Carbon Monoxide (CO) Detector be installed in or near bedrooms and on all levels of your home. Place a detector about 15ft [4.5m] outside the room that houses your gas appliance.

Certified for installation in a bedroom or bed/sitting room. In Canada must be installed with listed millivolt thermostat. In USA see local codes.

Pre-installation Questions and Answers

About curing of the paint

Your stove or fireplace has been painted with the highest quality silicone stove paint. This paint dries quickly in 15-20 minutes when first applied at the factory. However, due to the high temperature silicone components, the paint will cure when heat is applied to the appliance as it is first used. The following information applies to the curing process to get the paint fully hard and durable.

Fire the appliance four successive times for 10 minutes each firing and a 5 minute cool down between each. Be aware during log and firebox paint curing that a white deposit may be developing on the inside of the glass doors. It is important to remove this white deposit from the glass doors using a fireplace glass cleaner.

- Babies, small children, pregnant women and pets should leave the area during the cure phase.
- Ventilate well, open doors and windows.
- Do not touch during curing.

Why does my fireplace or stove give off odor?

It is normal for your fireplace to give off some odor at first. This is due to the curing of the paint, adhesives, silicones and any undetected oil from the manufacturing process as well as the finishing materials used with the installations (e.g. marble, tile and the adhesives used to adhere this product to the walls can react with heat and cause odors).

It is recommended that you burn your gas fireplace or stove for a minimum of four hours at a time with the fan off (if a fan is present) after the curing of the paint has been completed. These odors can last upward to 40 hours of burn time; keep burning at a minimum of four hours per use until odors dissipate.

Noise coming from the fireplace?

Noise is caused by the expansion and contraction of metal as the appliance heats up and cools down. This is normal and is similar to the sounds produced by a furnace or heating duct. This noise does not affect the operation or longevity of your fireplace.

It is also normal for the fan to make some noise when it comes on. This noise can be reduced somewhat by turning down the speed of the fan with the variable speed control. Be aware, however, that this will reduce the volume of heated air circulated into the room by the fan.

Note to the Installer:

Be sure appliance is working properly and its operation (including remote control operation, if included) is fully explained to and understood by the customer.

Operations and Maintenance Instructions

For safe installation and operation note the following:

- Be sure to read and understand all the instructions in this manual before operation of appliance.
- Ensure all wiring is correct and properly enclosed to prevent possible shock.
- Check for gas leaks.
- Make sure the glass door is properly installed before operation. Never operate the appliance with the glass door removed.
- Make sure venting and termination cap are installed and unobstructed.
- If brick or porcelain liners are used, ensure they are installed.
- Verify that the pilot can be seen when lighting the appliance. If not, the log or rock placement is incorrect.
- If the unit is turned off, you must wait a minimum of 60 seconds before re-lighting it.
- Venting systems should be periodically examined by a qualified agency.
- The flow of combustion and ventilation air must not be obstructed.
- The Burner/Log Assembly has been engineered and permanently adjusted for proper flame control.
- Periodically remove the logs from the grate assembly and vacuum any loose particles from the grate and burner areas. See Log Placement page to remove logs. Vacuum burner parts and replace logs.
- Never use your gas fireplace as a cooking device.
- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.
- Areas in and around the Chase Vent Openings should be cleaned annually.

Mobile Home/Manufactured Housing Installation

This Direct Vent System Appliance must be installed in accordance with the manufacturer's installation instructions and the Manufactured Home Construction and Safety Standard Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, and with CAN/CSA Z240 MH Mobile Home Standard in Canada.
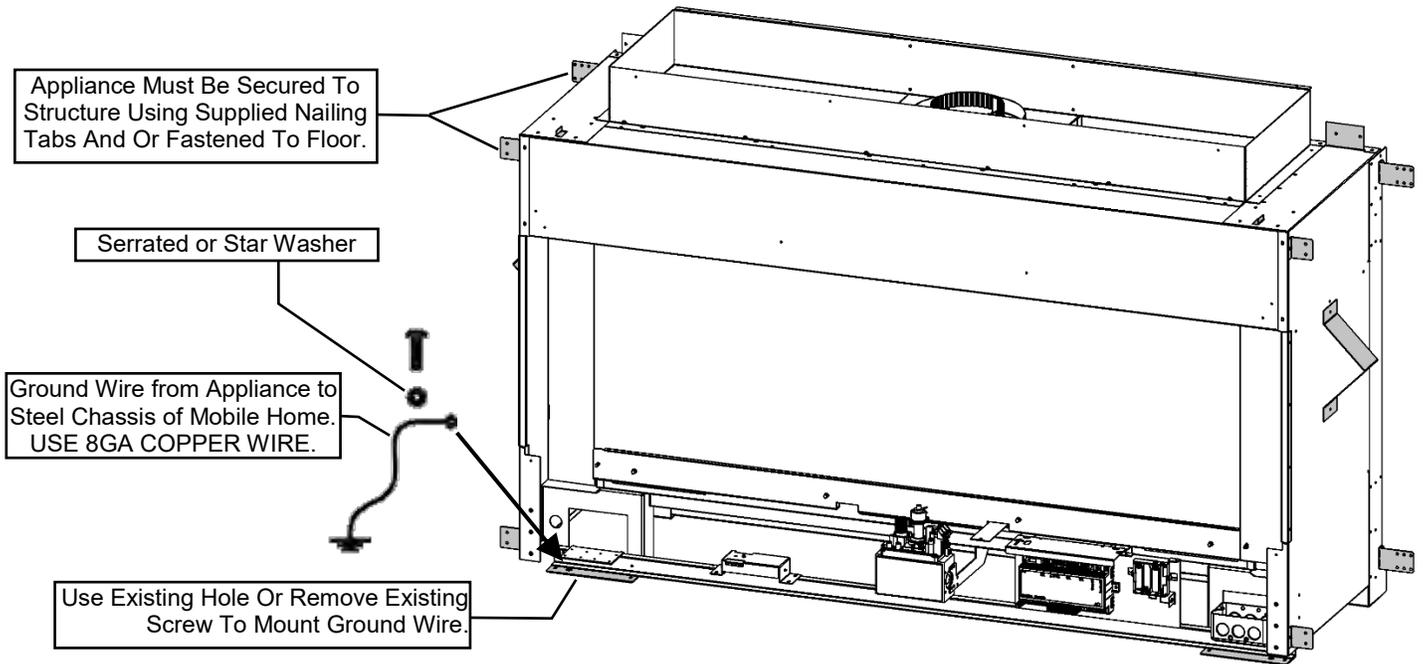
Appliance Must Be Secured To Structure Using Supplied Nailing Tabs And Or Fastened To Floor.

Serrated or Star Washer

Ground Wire from Appliance to Steel Chassis of Mobile Home. USE 8GA COPPER WIRE.

Use Existing Hole Or Remove Existing Screw To Mount Ground Wire.

THE VENTED GAS FIREPLACE HEATERS (ANSI Z21.88) IN THIS MANUAL MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES AFTER FIRST SALE IN THE USA.

THE VENTED GAS FIREPLACE HEATERS (ANSI Z21.88) IN THIS MANUAL MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES IN CANADA.

Please follow the current ANSI/NFPA 70 National Electrical Code in the USA and CAN/CSA C22.1 Canadian National Electrical Code in Canada.

An appliance must be grounded to the steel chassis of the home with 8 ga. copper wire using a serrated or star washer to penetrate paint or protective coating to insure grounding.
Use carriage bolt at the attachment point (see diagram above) to secure the appliance to the floor.

⚠️ Warning: Do not compromise the structural integrity of the manufactured home wall, floor or ceiling, during installation of appliance or venting.

For required venting components see venting installation in appropriate section of this manual.

Certified for installation in a bedroom or bed/sitting room. In Canada must be installed with listed millivolt thermostat. In USA see local codes.

Fireplace Installations in Covered Outdoor Locations
– FOR BASIC MILLIVOLT UNITS ONLY- NO FAN – NO LIGHTS-

> **CAUTION – Installation of an indoor gas fireplace with an outdoor exposure is not covered under the (ANSI Z21.88 – CSA 2.22 or ANSI Z21.50 – CSA 2.33) standard(s) used to certify the indoor gas-fired fireplace. The Intertek safety certification will not apply to this installation method. This installation method must be deemed acceptable by the Authority Having Jurisdiction (AHJ) prior to the indoor gas fireplace being installed.**

Kingsman and Marquis Direct Vent fireplaces may be installed into outdoor locations provided they are suitably protected from direct water impingement. However, all installation clearances in the appliance manual must be observed. Framing, Clearances to Combustibles, Mantel Heights, Facing Requirements, Venting Installation, etc. **Use supplied Safety Screen.**

- All wiring connections to line power shall be in accordance with outdoor requirements of; -NECA NFPA 70 in the USA -Canadian Electrical Code, CSA C22.1 for Canada.

- The Fireplace is not to be operated in temperatures below freezing (0°C / 32°F).

- ⚠ **NOTE: TEMPERED GLASS WARNING:** Tempered glass is vulnerable to rapid and/or extreme changes in temperature (thermal shock). Take care to prevent water from contacting the fireplace, especially if it is hot.

- See-Through Units are suitable for an outdoor location, but not on the outside wall of a house or other structure, as air flows through both sides of the fireplace.

- A Minimum sheltering cover (overhang) of 1/2 the distance from the base of the fireplace to the ceiling (base of roofline) is required.

    EXAMPLE: The bottom of the fireplace is 84" from the ceiling.
    Therefore, 42" of sheltering cover is required above fireplace.
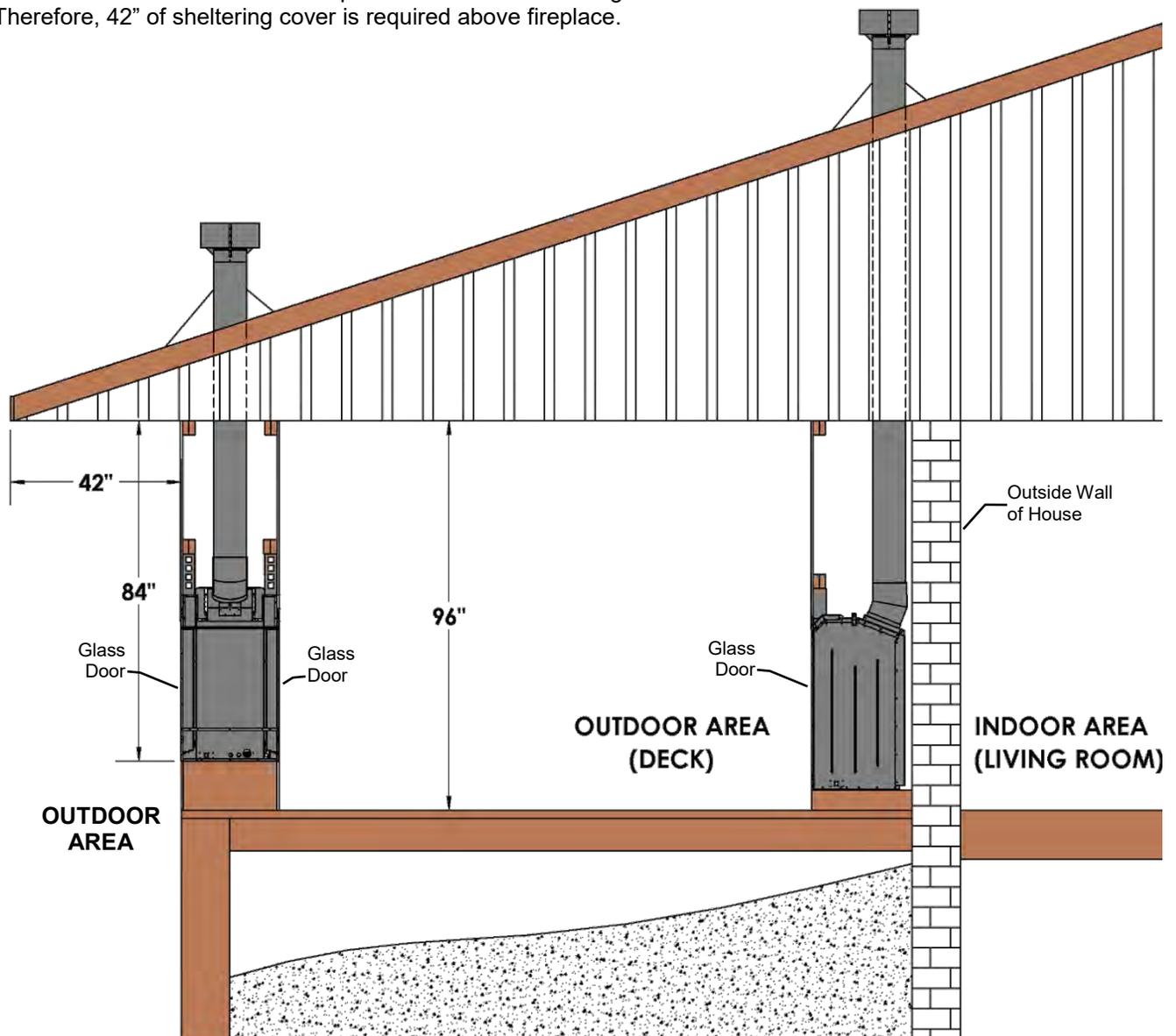
This section is intended for qualified installers only. Before beginning, make note of where the gas and electrical accesses are located on the unit. This will streamline the construction process. Furthermore, familiarize yourself with the venting and clearance requirements (see Venting section) for this appliance. Failure to comply with those requirements can seriously compromise the safety and operation of the fireplace.

Specifications
1. Cold climate installation recommendation: When installing this fireplace against non-insulated exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall & vapor barrier must be installed over insulation to prevent contact of insulation and unit.
2. Choose fireplace location and frame in accordance with the fireplace framing dimensions specified (view diagrams).
3. Drywall or other combustible material can extend up to the Drywall Stops located on the sides of the unit, and up to the bottom and top.
4. A Hearth is not required for this unit.

Vertical Venting in Cold Climates
In cold climate conditions where temperatures go below -10 degrees Celsius or 14 degrees Fahrenheit, we recommend that the chase be insulated and where the vent pipe enters into the attic space that the pipe be wrapped with an insulated Mylar sleeve. This will increase the temperature of the vent and help the appliance to vent properly in cold weather conditions.

It is also important in vertical vented direct vent appliances that the appliance be operated daily during the winter months as this will help stop the termination from freezing up. We recommend using a thermostat (Not permitted for decorative vented gas fireplaces installed in the U.S.A.) set at room temperature to allow the unit to cycle.

For IPI models it may be necessary to set the appliance to Standing Pilot mode to maintain heat in the cavity. The purpose of this procedure is to prevent cold air from penetrating the chimney and then onto the living space. Therefore, when the internal temperature is slightly elevated the fireplace is able to freely exhaust its combustion and hence making it easier to startup.

Certified for installation in a bedroom or bedsitting room. In Canada must be installed with listed millivolt thermostat (Not permitted for decorative vented gas fireplaces installed in the U.S.A.). In USA see local codes.

Stand-off and Nailing Tab Locations

Make note of where the stand-off locations are. These stand-offs are provided as indicators to illustrate the boundaries for framing. Therefore, no framing material is permitted to extend beyond these stand-offs.

Nailing Tab- Lift up to attach to framing above unit.

Stand-off – 3/8" Tall

Rotating Nailing Tab

Stand-off – 3/8" Tall

Stand-off- Raise into position and fasten with DT Screw provided.

Stand-off- Raise into position and fasten with DT Screw provided.

Holes are provided in bottom of unit to secure appliance to floor after installation.

Rotating Nailing Tab
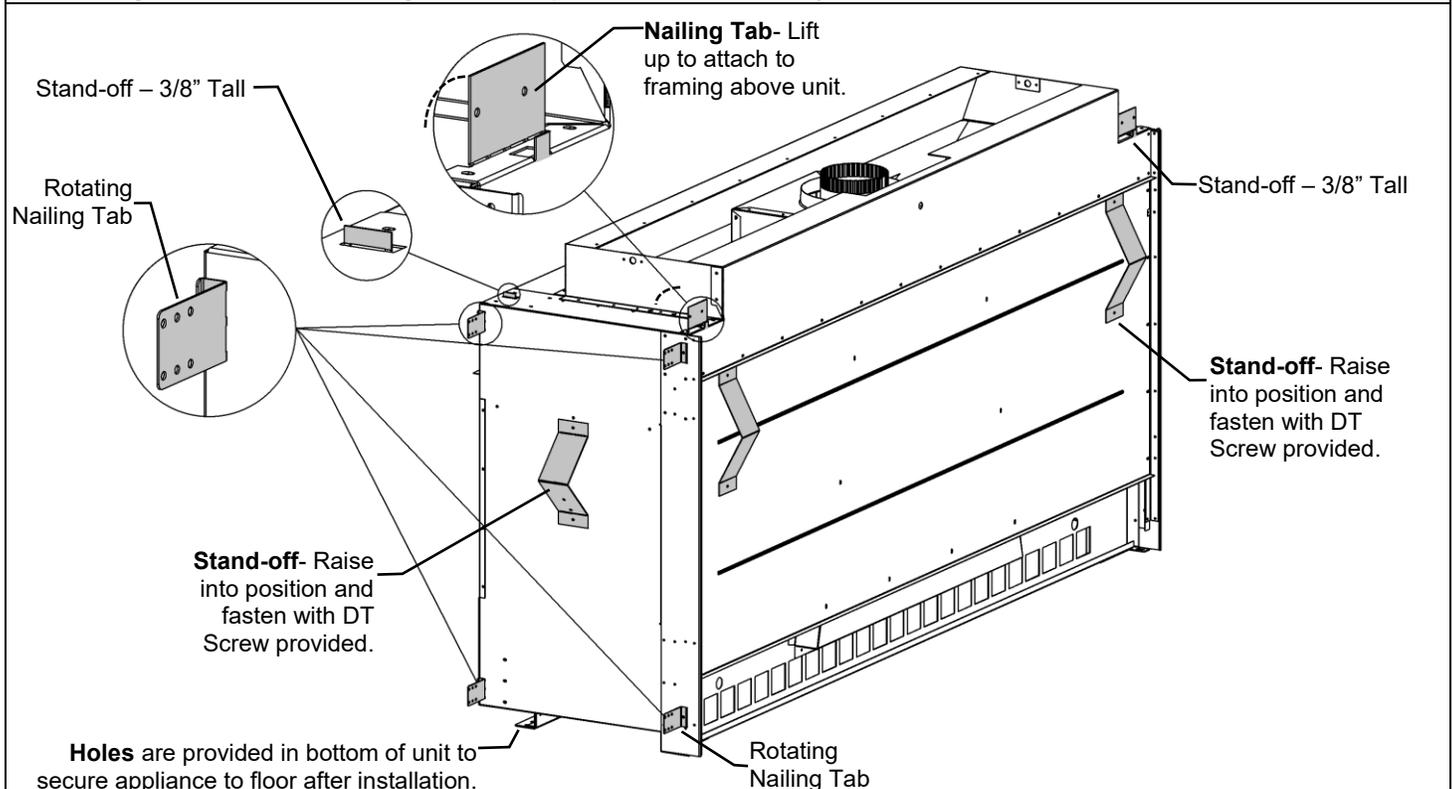
MQVL60 / MQVLBG60   VENTED CHASE REQUIREMENTS

- **FIREPLACE CHASE MUST BE VENTED AT TOP AND BOTTOM**- Minimum **200** square inches free air opening at the top of the chase, and minimum **102** square inches free air opening at the bottom of the chase.
- Platform must have minimum **550** Square inches free air opening.
- Chase Vent Openings LARGER than the required minimums ARE allowed and will reduce surface temperatures.
- **HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING.** Heat must exit through the required vented chase opening near the ceiling.

- **ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES ABOVE APPLIANCE.**
- Please follow the current CSA C22.1 Canadian Electrical Code or the National Electrical Code; ANSI/NFPA 70 when installed in the United States.

⚠️ If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation. Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.)

-Framing for Vented Chase with Grills-

Top Opening must be **60-5/8"** wide, **3-5/8"** tall, and within **3/4"** of Enclosure Top.

Can be vented at Side, Front, or Rear. MIN 220 Sq. In. Grill

Ceiling

Optional – Secondary Vent can be added

Flush or 3/4" MAX from top of Chase

Uses Kingsman VL60EG Front Grill, VL60EGS Side Grills, Or Grill with Minimum **220** Sq. In. Free Air Equivalent

Ceiling

Flush or 3/4" MAX from top of Chase

Uses Kingsman VL60EG Front Grill, VL60EGS Side Grills, Or Grill with Minimum **220** Sq. In. Free Air Equivalent

Grill with Min **220** Sq. In. Must be in the same Pressure Zone (Room / Area)

Fireplace Support must be open to allow air to flow through fireplace.

102 Sq. In. Air Option

Required Minimum **102** Sq. In. Free Air

102 Sq. In. Air Option

Required Minimum **102** Sq. In. Free Air **Example: 51" x 2"**

This area must be open - MIN 550 Sq. In.

MQVL60 / MQVLBG60   -Framing for Vented Chase with Openings - No Grills-

Top Opening must be **MIN 200 Square Inches** and within **3/4"** of Enclosure Top. **Example:** 68-1/2" x 3" = 205-1/2" Square Inches

Can be vented at Side, Front, or Rear. MIN 200 Sq. In. Opening

Ceiling

Optional – Secondary Vent can be added

Required Minimum **200** Sq. In. Free Air in Sides or Front

Required Minimum **200** Sq. In. Free Air in Sides or Front

Min **200** Sq. In. Must be in the same Pressure Zone (Room / Area)

Fireplace Support must be open to allow air to flow through fireplace.

This area must be open - MIN 550 Sq. In.

102 Sq. In. Air Option

Required Minimum 102 Sq. In. Free Air **Example: 51" x 2"**

102 Sq. In. Air Option

Required Minimum**102** Sq. In. Free Air

Optional Adjustable Vented Platform (VL60AVP)

Adjustable Vented Platform VL48AVP, VL60AVP, VL72AVP -Option

The Adjustable Vented Platform is an optional installation base. Height is variable from approximately 15" to 27".

IMPORTANT NOTES:
- AVP SHOULD BE IN PLACE AND LEVEL BEFORE UNIT IS INSTALLED.
- ATTACH FIREPLACE TO AVP WITH SCREWS PROVIDED.
- FIREPLACE SHOULD BE NOT BE MOVED ONCE INSTALLED ON AVP.
- FIREPLACE MUST BE SECURED TO FRAMING ONCE INSTALLED ON AVP.

9-3/4"

15" Min To 27" Max

24-3/4" Min To 36-3/4" Max

Elevator Bolt

Note: There is a 1-3/4" space between the Adjustable Vented Platform and the back of the unit. **This area can be covered or filled in with framing or finishing materials.**

1-3/4"
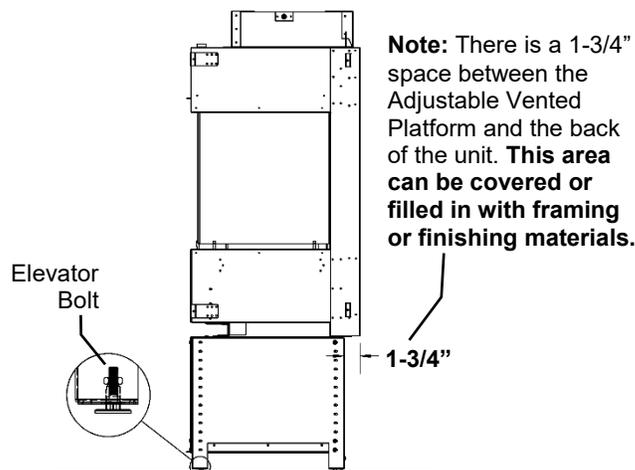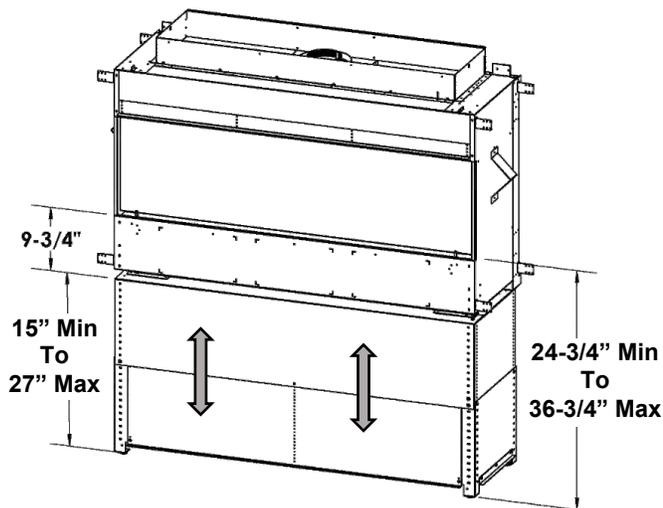
Front AVP Openings – Sq. In.			
	Required Opening	**Top AVP Opening**	**Bottom AVP Opening**
VL48AVP	**84 Sq. In.**	84 Sq. In.	85 Sq. In.
VL60AVP	**102 Sq. In.**	102 Sq. In.	105 Sq. In.
VL72AVP	**158 Sq. In.**	160 Sq. In.	162 Sq. In.

Top AVP Opening

Bottom AVP Opening
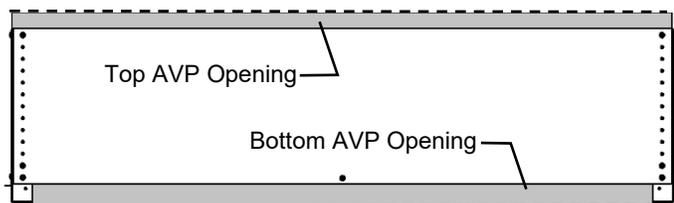
The *Side Openings* have 20 or 27 square inches of opening each (depending upon the setting). They can be closed in if the required minimum opening has already been achieved (i.e., the front opening of the AVP is used). The Tile Lip on the Side of the Platform is detachable.

20 or 27 Sq. In Opening on each side

Side Tile Lip is Detachable
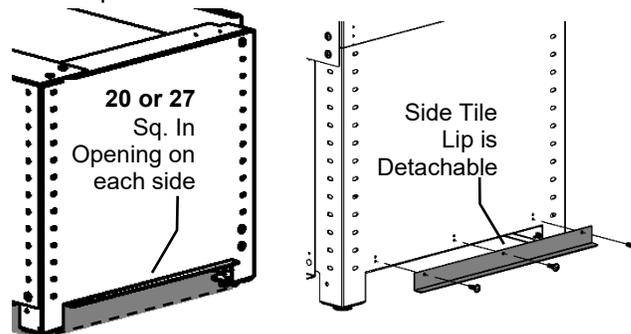
ADJUSTABLE VENTED PLATFORM PARTS LIST		
ITEM NO.	**DESCRIPTION**	**QTY.**
1	Inner Side Panel	2
2	Outer Front Panel	1
3	Rear Brace	2
4	Outer Side Panel	2
5	Inner Front Panel	1
6	#8 x 5/8" Low Profile Screw	37
7	1/4-20 x 1/2" Self-Clinching Stud	4
8	1/4-20 Nut with Serrated Washer	4
9	Side Tile Lip	2

Top

① INNER SIDE PANEL

③

② OUTER FRONT PANEL

① INNER SIDE PANEL

Base

④ OUTER SIDE PANEL

①

⑥

⑨

③

④

⑧

⑤ INNER FRONT PANEL

⑨ OUTER SIDE PANEL

⑦

STEP ONE: ASSEMBLE BASE

REAR BRACE

OUTER SIDE PANEL

OUTER SIDE PANEL

INNER FRONT PANEL
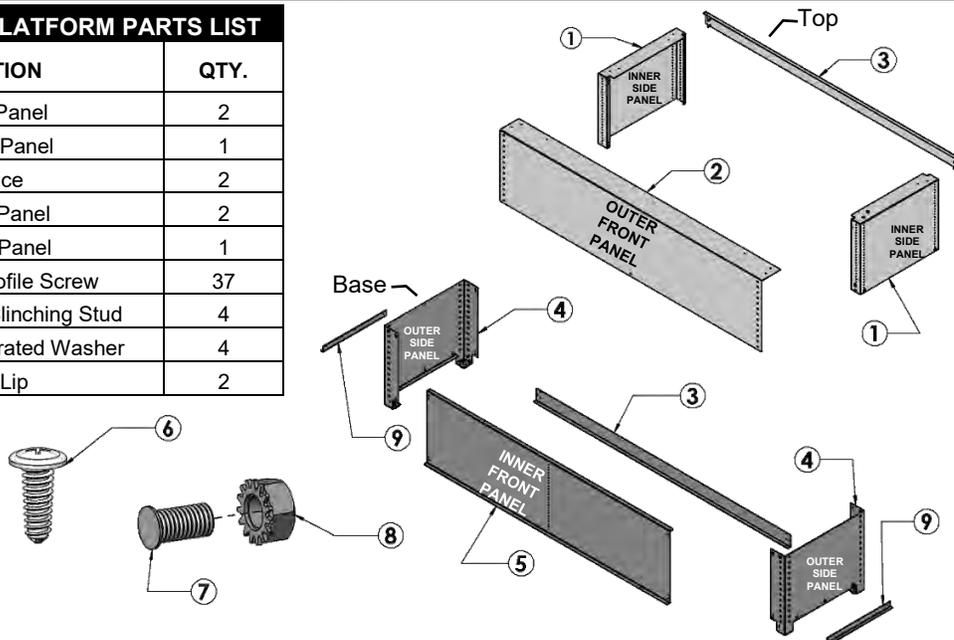
SELF-CLINCHING STUD

1. **Assemble Base of Platform** using supplied self-clinching studs, nuts, and screws.

SELF-CLINCHING STUD

X4

OUTER SIDE PANEL

INNER FRONT PANEL

OUTER SIDE PANEL

X2

OUTER SIDE PANEL

INNER FRONT PANEL

OUTER SIDE PANEL

TILE LIP

TILE LIP

STEP TWO: ASSEMBLE TOP

REAR BRACE

INNER SIDE PANEL

INNER SIDE PANEL

OUTER FRONT PANEL

INNER SIDE PANEL

OUTER FRONT PANEL

OUTER SIDE PANEL

TILE LIP
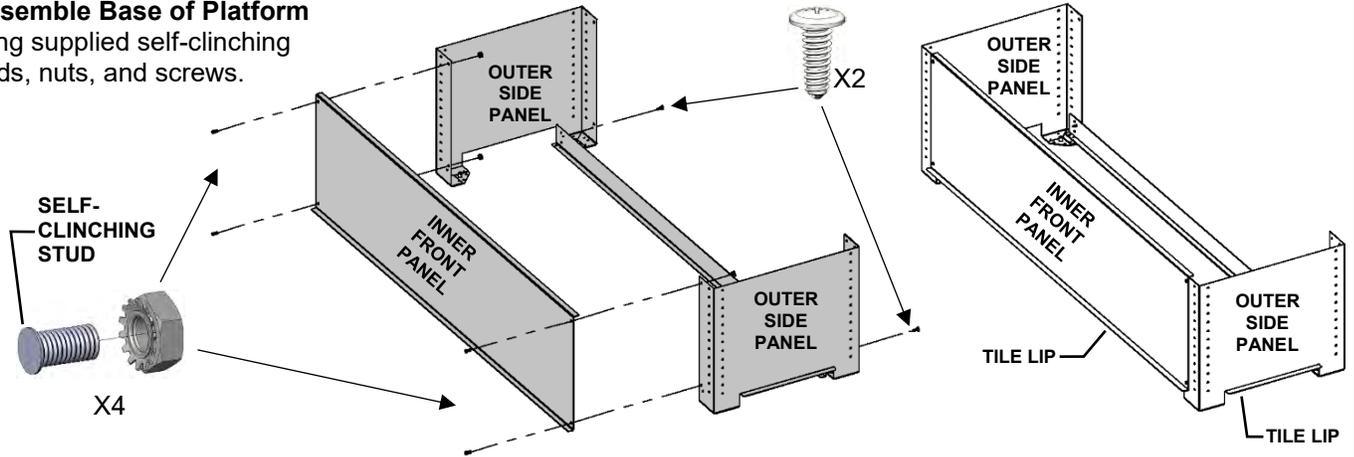
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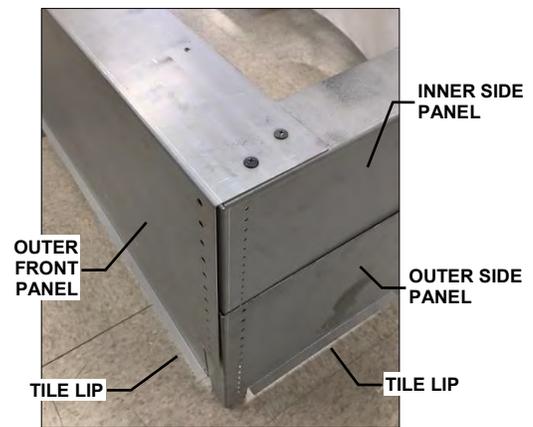
2. **Assemble Top** using supplied screws.

INNER SIDE PANEL

OUTER FRONT PANEL

INNER SIDE PANEL
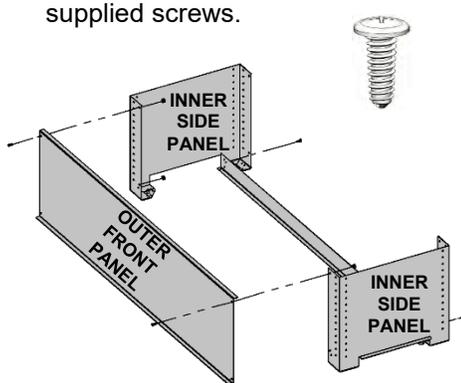
STEP THREE: ASSEMBLE PLATFORM AND SET AT DESIRED HEIGHT

OUTER FRONT PANEL GOES TO OUTSIDE

INNER SIDE PANEL GOES TO INSIDE

OUTER FRONT PANEL

INNER FRONT PANEL

INNER SIDE PANEL

TILE LIP

OUTER SIDE PANEL

TILE LIP

ATTACH WITH SCREWS

HOOK BACK OF FIREPLACE INTO BACK OF PLATFORM AND ATTACH FRONT WITH SCREWS.

ATTACH FIREPLACE TO PLATFORM AND TO FRAMING.

13
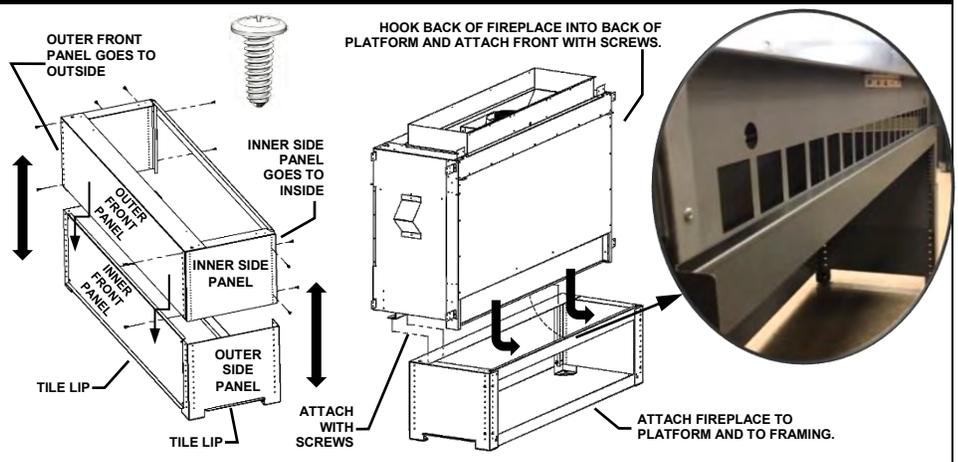
A Platform Base has air opening requirements that must be met.
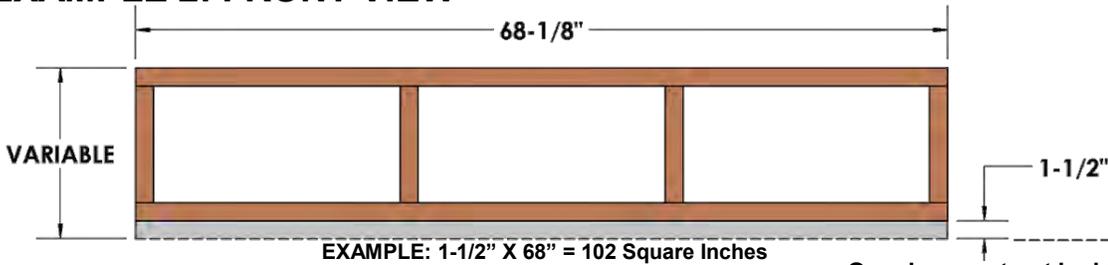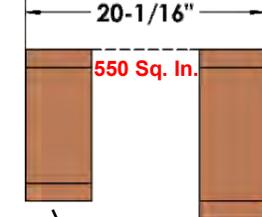
Top of Platform Must Have Minimum **550** Square Inches Free Air Opening

20-1/16"

3-1/2"

5-1/2"

68-1/8"

VARIABLE

5-1/2"

Must Remain Open

⚠ **DO NOT COVER TOP OF PLATFORM.**

Example Only: Front or Side Must Have Minimum **102 Square Inches** Free Air Opening
Example: 51" x 2"

TOP VIEW

20-1/16"

3-1/2"

5-1/2"

9-1/16"

5-1/2"

550 Square Inches Free Air Opening   **Must Remain Open**

61-1/8"

68-1/8"

EXAMPLE 1: FRONT VIEW

68-1/8"

VARIABLE

2"

EXAMPLE: 2" X 51" = 102 Square Inches

51"

SIDE VIEW

20-1/16"

550 Sq. In.

EXAMPLE 2: FRONT VIEW

68-1/8"

VARIABLE

1-1/2"

EXAMPLE: 1-1/2" X 68" = 102 Square Inches

Opening must not be blocked by floor covering.

SIDE VIEW

20-1/16"

550 Sq. In.

14

⚠ **Grill openings must be flush with or within 3/4" of enclosure top. This is to prevent excess heat from becoming trapped in the top of the chase. See installation section of manual.**

Parts List:

[1] Louver Grill (ready to paint)
[1] Outer Trim Grill Mount (ready to paint)
[8] #6 Black Screws

This Grill Meets Minimum Opening Air Free Requirements
Required Opening Dimensions: 60-5/8" wide x 3-5/8" tall x 2" deep
Outer Trim Dimensions: 61-3/4" x 4-7/8"
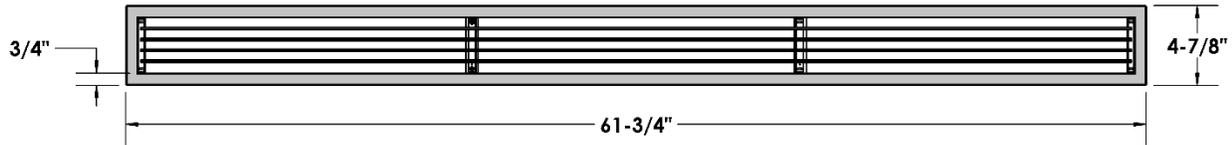
Installation:

1. Insert Outer Trim Grill Mount into opening and fasten to framing with a wood screw at each end.
2. Then insert Grill and attach with supplied #6 black screws. Do not over tighten screws.

15
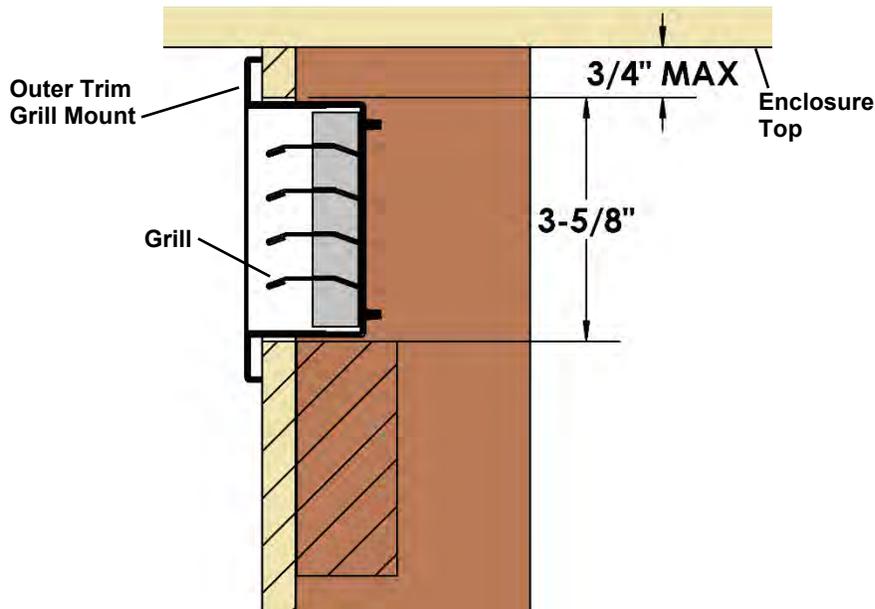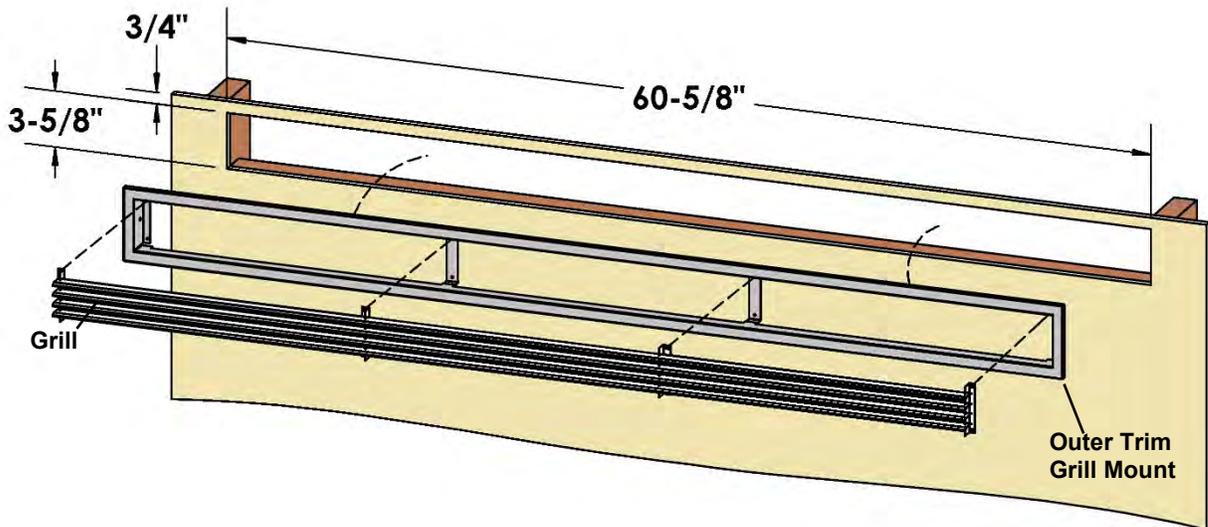
Not compatible with HDS System.

Contents of Kit: [Qty 2] Side Grill assemblies (ready to paint).

⚠ **Grill openings must be flush or within 3/4" of enclosure top. This is to prevent excess heat from becoming trapped in the top of the chase. See installation section of manual.**

3/4"
2-7/8"
7-7/8"
6-7/16" **Fits into 6-5/8" Opening**
16-3/16"
1/4"
15-7/16" **Pressure Fit into 15-1/4" Opening**
2-9/16" **Pressure Point**

15-1/4" x 6-5/8" Tall opening required.
18-1/4"
15-1/4"
Pressure Fit into Framed Opening
6-5/8"
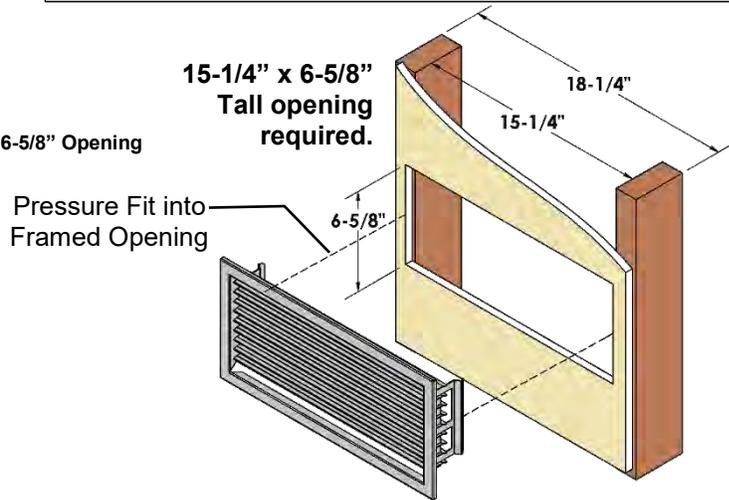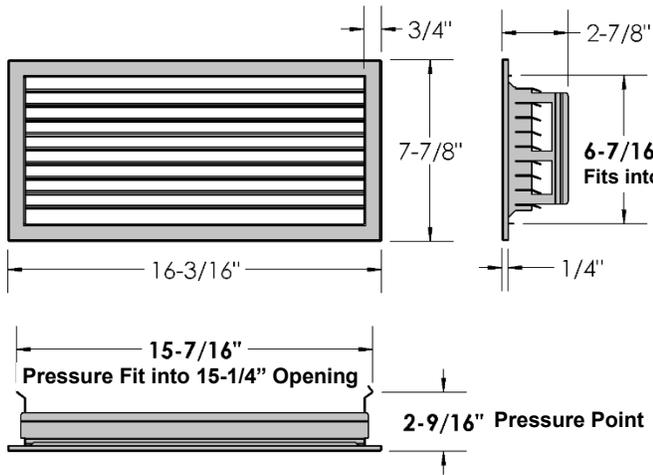
Can be used at Top and/or Bottom of Chase. VL60EGS Grills must be on **Left and Right Side** of chase if used at either location.

For Top of Chase:
⚠ **Grill Openings Must be flush or within 3/4" of Enclosure Top.**

Ceiling

Flush or within 3/4" from Enclosure Top

Grills must be used on **Left and Right Side** of Chase if used at Top

Enclosure Top

Flush or within 3/4" from Enclosure Top

6-5/8"

2-5/8"

1/2"

Sealed Enclosure Top

Grills must be used on **Left and Right Side** of Chase if used at Bottom
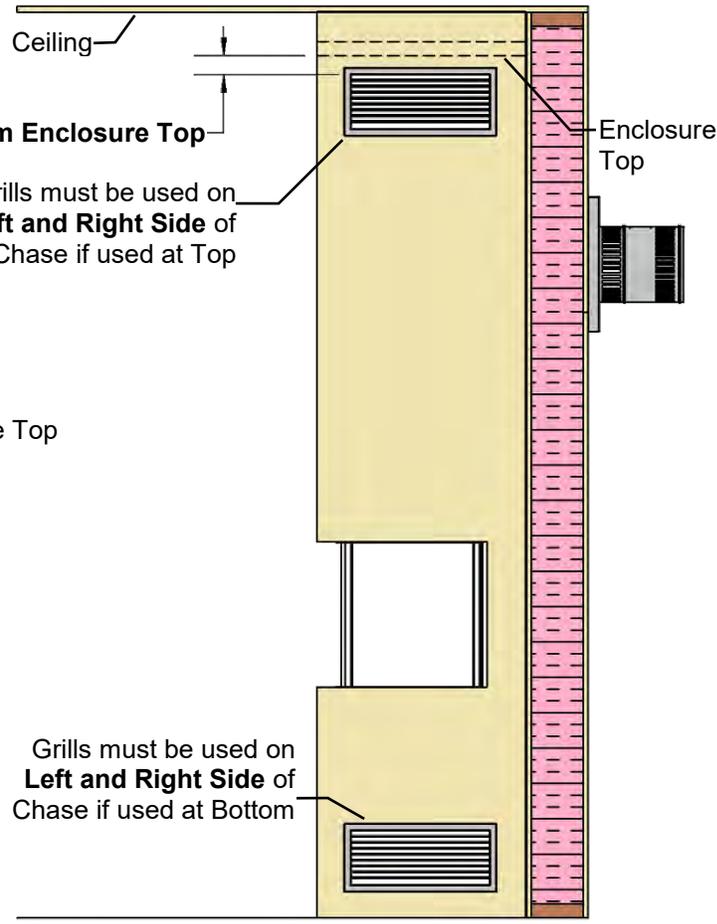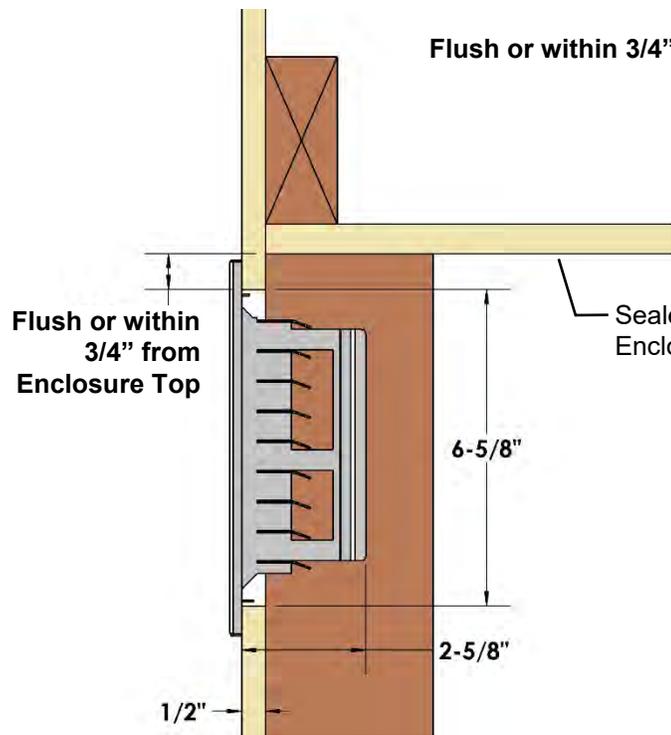
⚠ **MQ Units - FIREPLACE CHASE MUST BE VENTED AT TOP AND BOTTOM-**

16

60VL-TLK Tile Lip Kit   - Optional

The 60VL-TLK Kit may be used as a trim around the opening of the fireplace. Fasten with supplied self-tapping screws.

ITEM NUMBER	QUANTITY	PART NUMBER	DESCRIPTION
Kit Consists of items 1-4			
1	1	60VLBG-TLK1	Front Bottom Tile Lip 68-3/16"
2	2	48VLBG-TLK2	Side Horizontal Tile Lip 16-1/4"
3	2	48VLBG-TLK3	Side Vertical Tile Lip 15-3/8"
4	16	530-685	#8-1/2" Self-Tapping Screw
Items 5 & 6 are supplied with Fireplace			
5	1	60VL-164	Front Top Tile Lip 66-7/16" (Supplied with Unit)
6	2	48VLB-165	Side Top Tile Lip 15-3/8" (Supplied with Unit)

6 Supplied with Unit

MQVLBG60 BAY PENINSULA

6 Supplied with Unit

4

5 Supplied with Unit

MQVL60 SINGLE SIDE

5 Supplied with Unit

For MQVL60 Single Side Units, item 2 is not used.

NOTE: Ends may require trimming or cutting, depending upon desired finished opening.

SIDE VIEW

5/8"

1/2"

17

Front (Furniture, etc. from glass)	36" [92cm]
Side (from Stand-off) MQVL60	0" [0cm]
Side (from glass doors) MQVLBG60	18" [46cm]
Back (from Stand-offs)	0" [0cm]
Floor	0" [0cm]
Raised Hearth at Glass Opening	0" [0cm]
Minimum Ceiling Height (from bottom of fireplace)	76" [193cm]
Top (from Stand-offs)	0" [0cm]
Top of 90° Bend under 76" Enclosure	4" [10.2cm]
Top of 90° Bend over 76" Enclosure	4" [10.2cm]
VENTING SYSTEMS	
Top of Horizontal Pipe	1/1/2" [3.8cm]
Side & Bottom of Horizontal Pipe	1" [2.5cm] All Vent Systems
Vertical Vent Pipe in Enclosure under 76"	4-9/16" [11.6cm] All Vent Systems
Vertical Vent Pipe in Enclosure over 76"	1" [2.5cm] All Vent Systems

> ⚠ **NOTE**
>
> If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation.
>
> Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

MQVLBG60 SHOWN - SIDE VIEW

Top opening of Chase must be flush or within **3/4"** of Enclosure Top (**Min 200 sq. in. with no grill, 220 sq. in. with grill**)

Maximum **Total** Depth of TV Recess from face of unit is 3-3/4"

76" MIN CEILING

76" MIN ENCLOSURE

Bottom Air Opening Options – Min 102 sq. in. **Example: 1-1/2" x 68"**

Opening must not be blocked by floor covering

CEILING

3/4" MAX

3/4"

14 1/2"

28-1/2" (55" TV)

3-3/4" MAX DEPTH

4-9/16" MIN

36"

20-1/16"

Top of Enclosure must be sealed so that no heat can escape.

No Framing on *Top Sides* of fireplace for MQVL60 Single Side Units

57-1/2" MIN

*

THIS AREA MUST BE OPEN MIN 550 Sq. In.

18

MQVL60 / MQVLBG60   Mantel Clearances

A *Combustible Mantel* can be placed immediately above the fireplace opening.

A *Combustible Hearth* can be placed immediately below the fireplace opening.

An *Adjacent Side Wall* may project directly from the side of the fireplace opening.

SIDE VIEW (MQVLBG60 Shown)

CEILING

Min 200 Sq. In. Free Air

3/4"

28-1/2" (55" TV)

Drywall

4-9/16"

57-1/2" MIN

Combustible Mantel Line

15-1/4" Fireplace Opening

Combustible Hearth Line

8-1/4"

1-1/2"

VARIABLE

*

Bottom Air Opening Options – Min 102sq in.
Example: 1-1/2" x 68"

Opening must not be blocked by floor covering

This area must be open MIN 550 Sq. In.
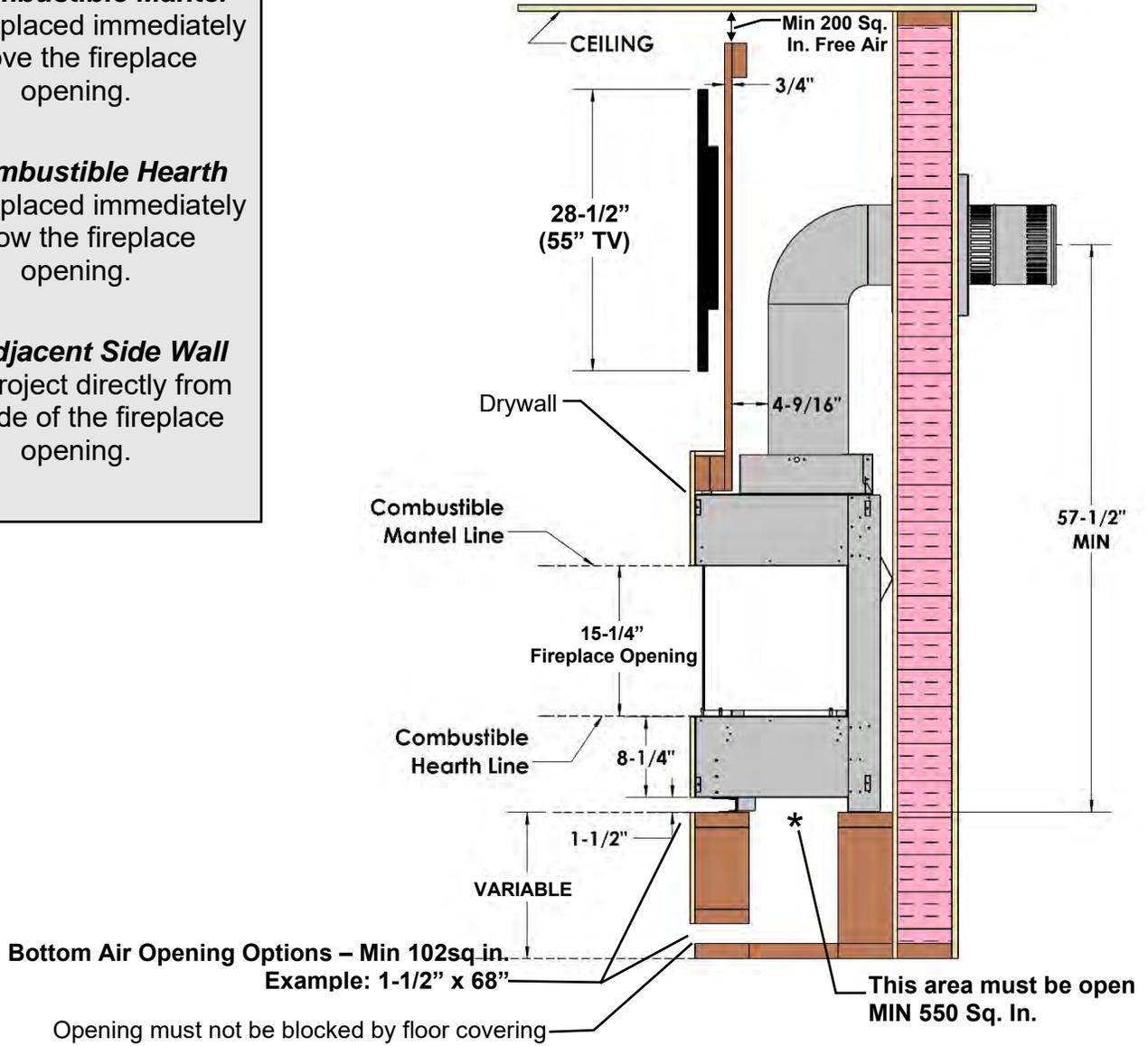
MQVL60 / MQVLBG60   Adjacent Wall - TOP VIEW

MQVL60 OR MQVLBG60 c/w VLBGK Corner Kit

MQVLBG60

8-1/2" MIN

Adjacent Wall- may project directly from side of unit

(18" Recommended for Service access)

19
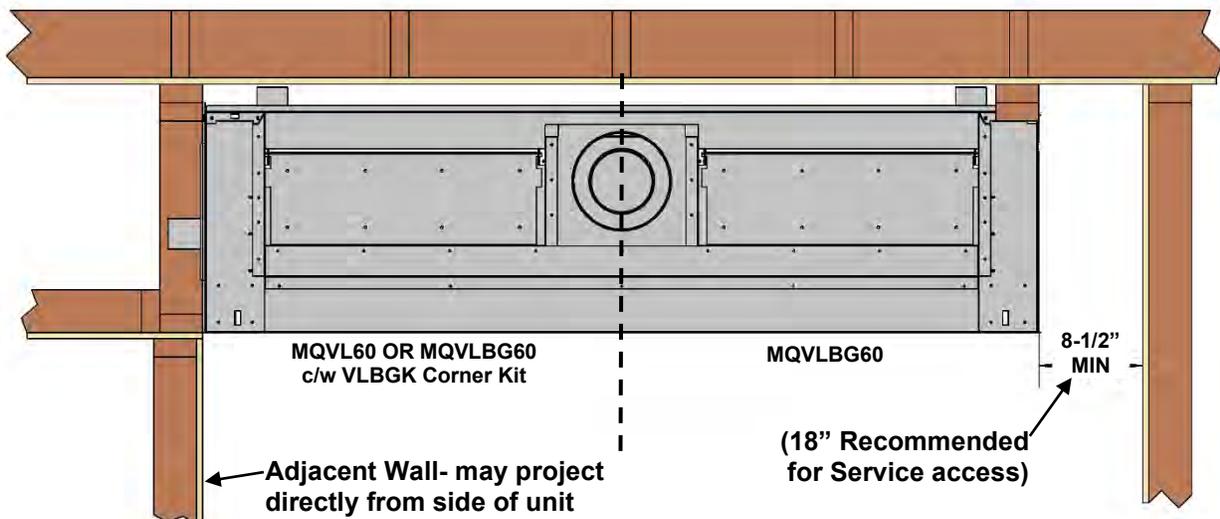
LOCATION KEY:

A. Left Side Corner

B. Flat on Wall

C. 45° Corner

D. As a Room Divider

E. As an Island*

F. Right Side Corner

G. Exterior Wall Chase

*Island installation with a top vent is possible as long as the horizontal portion of the vent system does not exceed 20 feet (6.1 m).

20' MAX

20' MAX
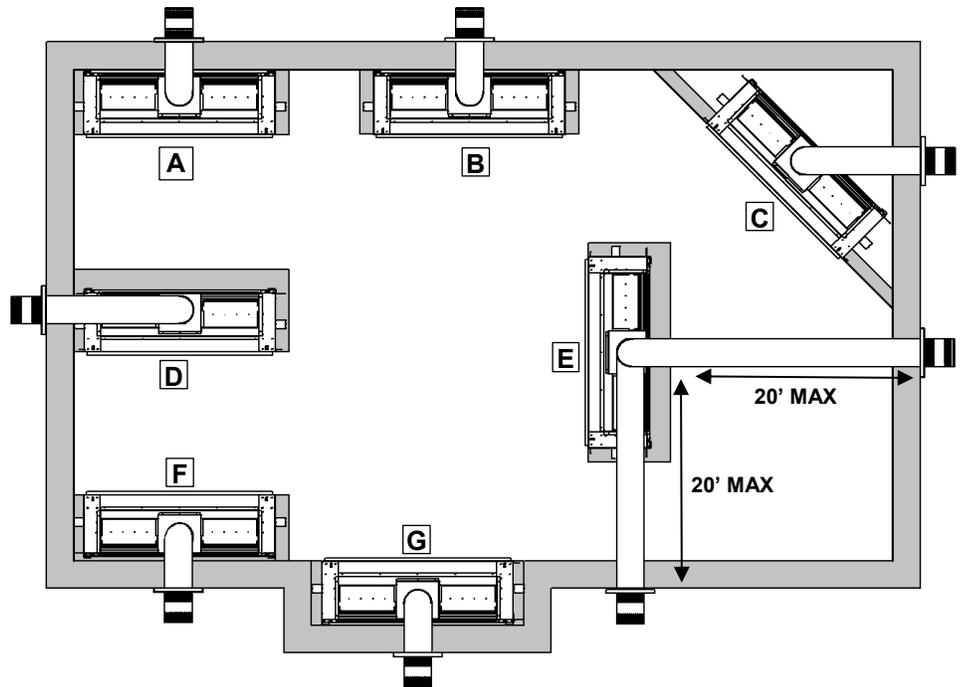
MQVL60 Single Side   Fireplace Dimensions

74-1/16"

68-1/2"

⌀ 5" / 8" Venting

20-1/16"

TOP

74-1/16"

BACK

34-1/4"

4-13/16"

58-1/2"

4"

7-5/16"

9/16"

66-5/8"

36-5/16"

15-1/4"

3"

32-5/8"

9-3/4"

8-1/4"

1-1/2"

FRONT

4-9/16"

3-5/8"

36-5/16"

FRONT

32-5/8"

1-1/2"

2-1/2"

LEFT SIDE

1-3/16"

20-1/16"
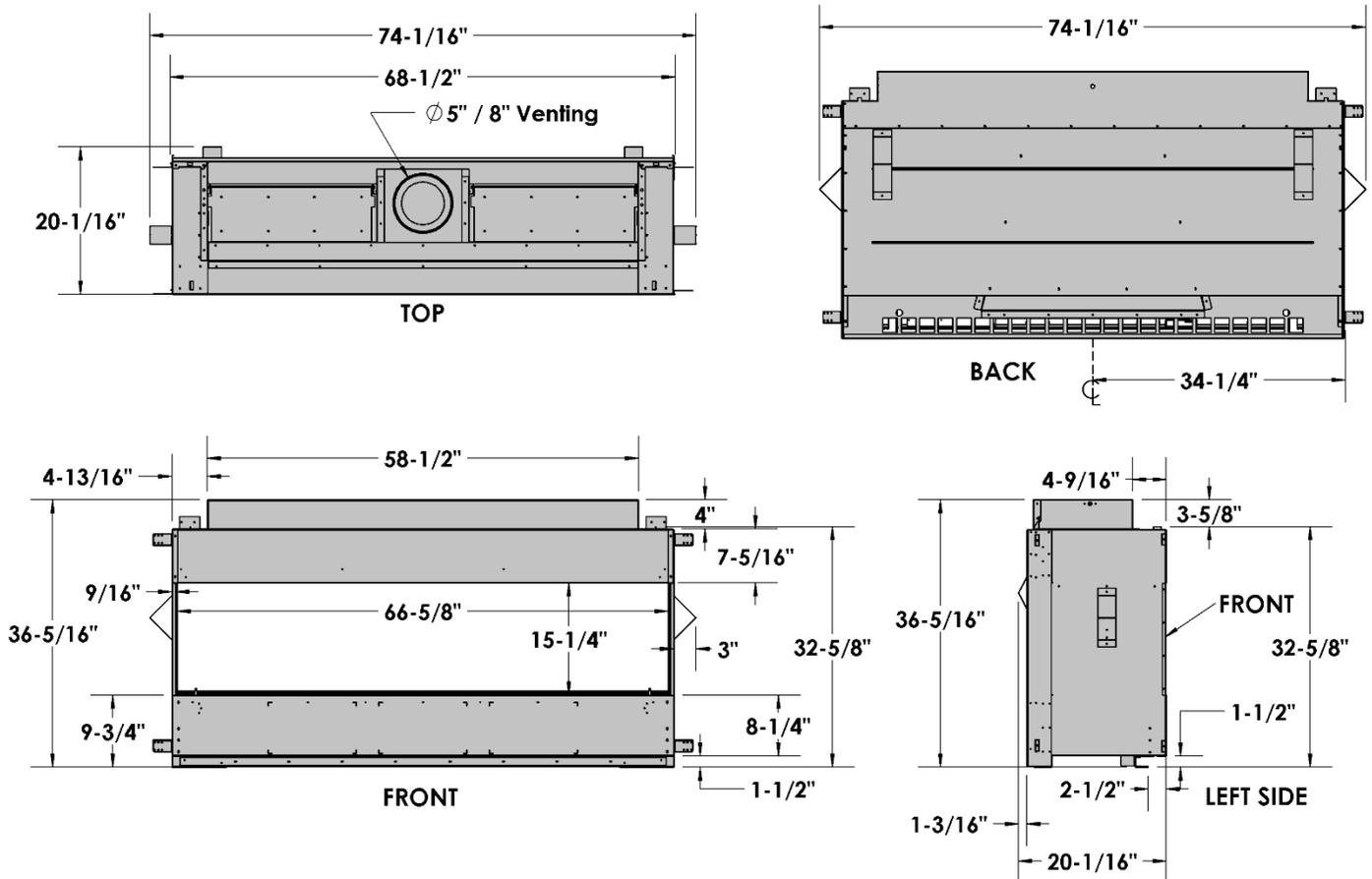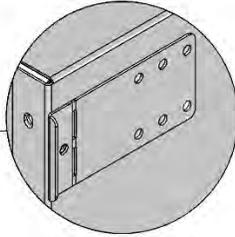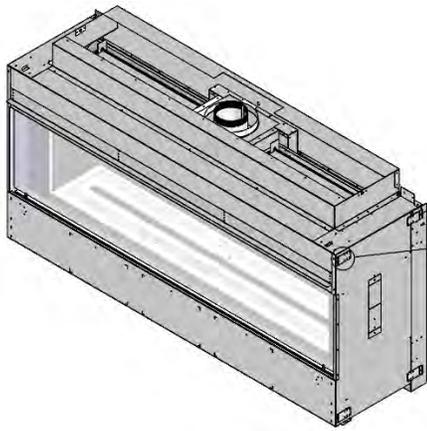
[Qty] 4 Nailing Tabs are located on each side of the front frame.

NOTE: If using the rear nailing tabs for cantilevered chase etc., refer to the *Nailing Tab page for MQVLBG60 Bay Peninsula*.

Flat
(As Shipped)

1 Pull up 90° for wall flush with fireplace face.

2 Rotate 180° for framing flush with fireplace face.

These Nailing Tabs can be used in two ways:

1/2" Drywall Flush with Face of Fireplace –Fireplace face and wall to be covered (e.g. Tile around Fireplace).

TOP VIEW RIGHT SIDE

1

Back Wall

Nailing Tab

19-3/4" Framing Depth

Nailing Tab

Drywall

Facing Material (Tile, marble, etc.)

1
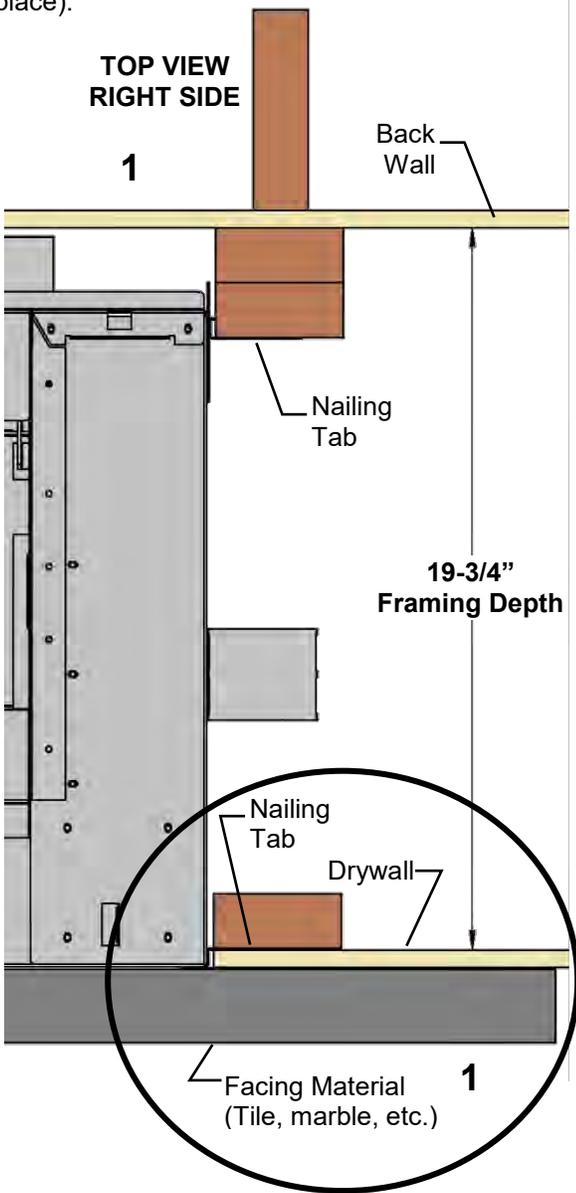
Framing Flush with Face of Fireplace –Finished wall surface will continue up to fireplace opening.

TOP VIEW RIGHT SIDE

2

Back Wall

Nailing Tab

20-5/16" Framing Depth

Nailing Tab

Drywall

2

21

TOP VIEW

BACK WALL

NO FRAMING

NO FRAMING

Double Studs

Double Studs

20-5/16" Framing Flush with Face

FRAMING OVER FRONT TOP OF FIREPLACE

FRAMING   IN   FRONT   OF   FIREPLACE

68-1/2"

Variable – Can be built out to desired depth

EXTENDED FRAMING IN FRONT   OF FIREPLACE

75-1/2"
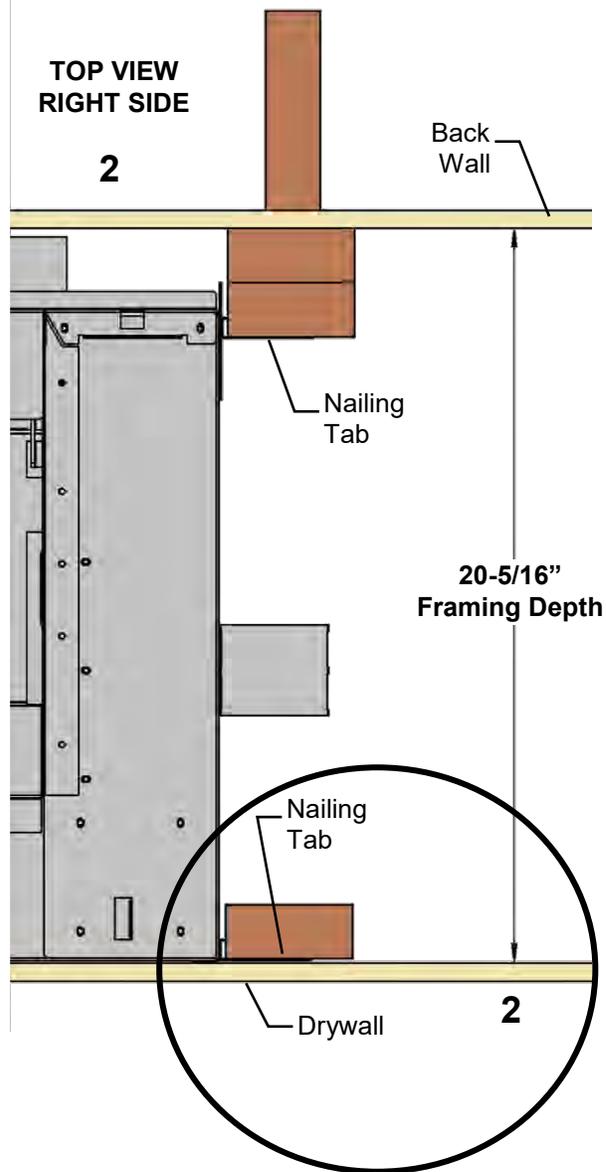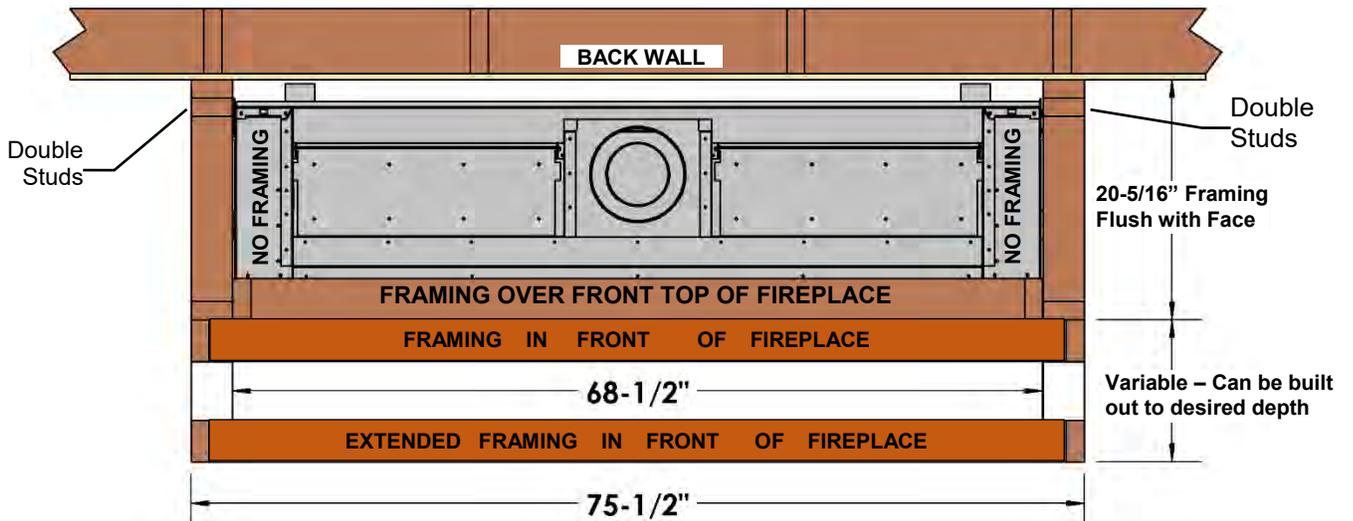
Appliance must be in place with venting connected before area above fireplace is framed in. Fireplace Chase MUST BE VENTED with or without grills.

Fireplace Chase **MUST BE VENTED** at the top with or without grills. Must have a **minimum of 200 square inches free air opening**.

200 Square Inches Free Air

76"

⚠ **DO NOT COVER TOP OF PLATFORM.**

550 Square Inches Free Air Opening

VARIABLE

68-1/2"

102 Square Inches Free Air Opening Opening must not be blocked by floor covering.

20-5/16" Framing Flush with Face

Optional 60AVP Adjustable Vented Platform shown.
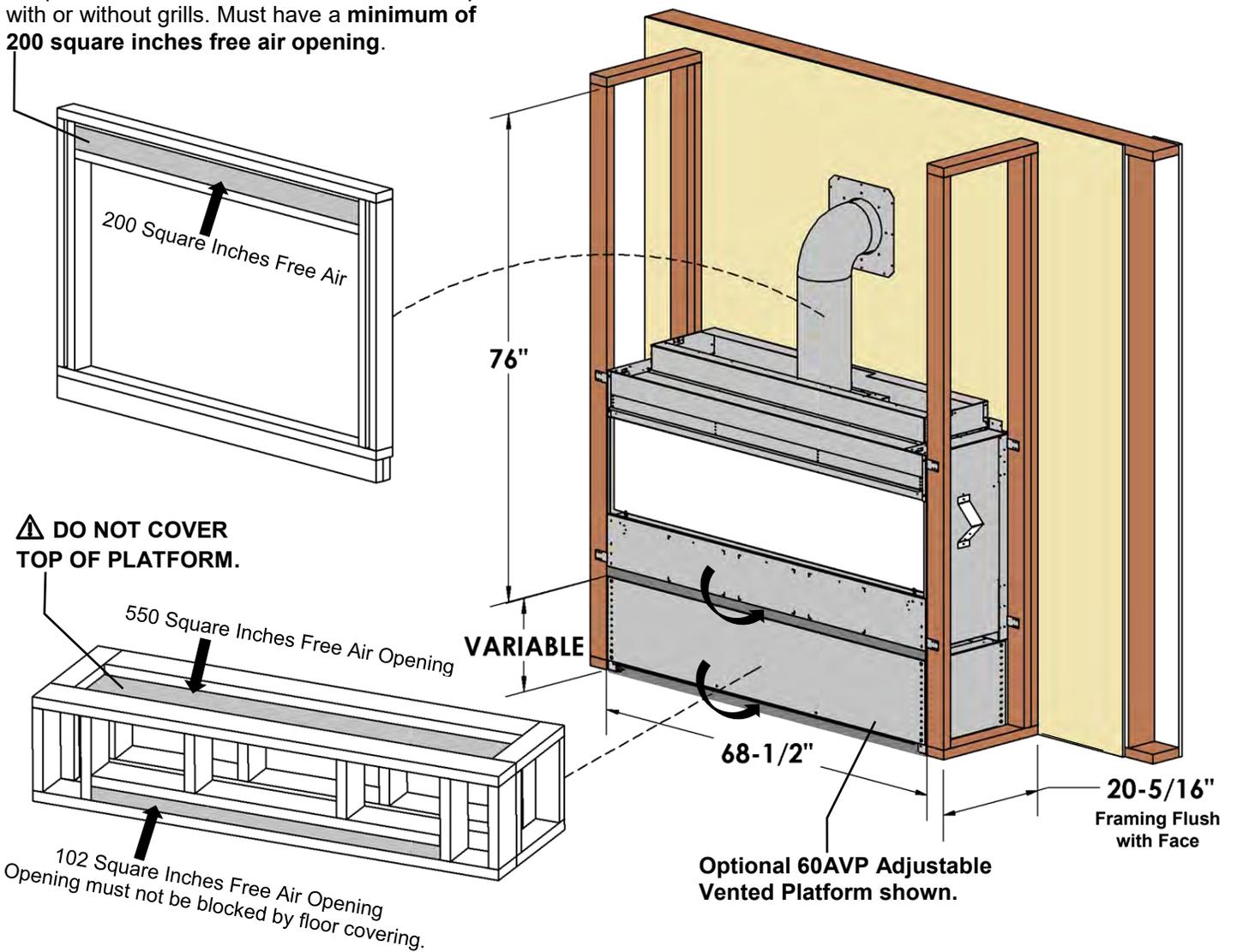
MQVL60 – Single Side -Facing Requirements

Unit may be covered with combustible material (i.e. drywall) up to the fireplace opening.
VL60EG or **VL60EGS** Grills can be used.

NOTE: If installing VL60S1BL or SS Surround:
5/8" Space is required around fireplace opening.
Do not allow wall covering to come within this area.

Option A: Open Chase at Ceiling (MIN 200 Sq. In.)

Option B: Vent Slot in Chase (MIN 200 Sq. In.)
Flush or within 3/4" of Enclosure Top
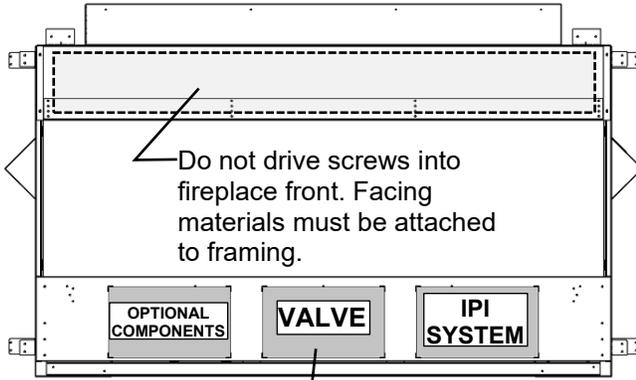
Do not drive screws into fireplace front. Facing materials must be attached to framing.

OPTIONAL COMPONENTS

VALVE

IPI SYSTEM

Do not drive screws into these highlighted areas.

Lower Vent Slot MIN 102 Sq. In. is REQUIRED for ALL Installations.
**Example: 2" x 51"**
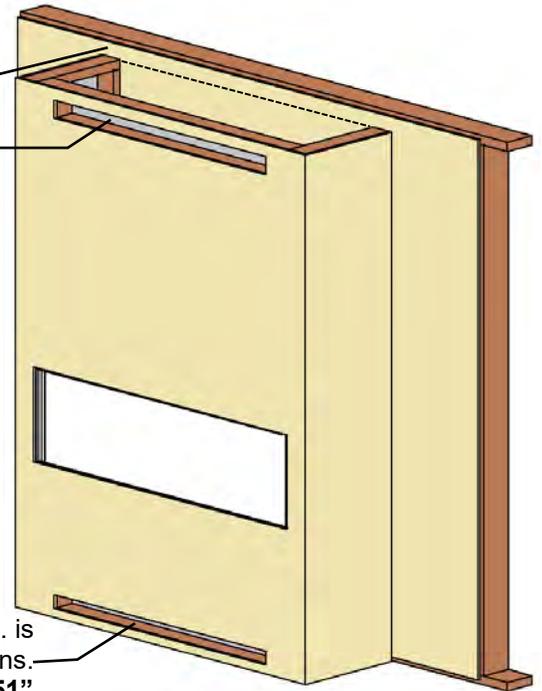
MQVL60 Single Side - Using Tile Lip

A Tile Lip is supplied for attachment above the fireplace opening only. This can be used as a standard tile edging or as a mount bracket for other surfaces like drywall or plywood. Set to desired height and attach through holes in face of fireplace. **Install before applying the finishing materials. For a complete Tile Lip Kit order 60VL-TLK.**

FOR SURROUND INSTALLATION

FRONT OF UNIT

5/8"

FRONT OF UNIT

1-9/16"

Drywall
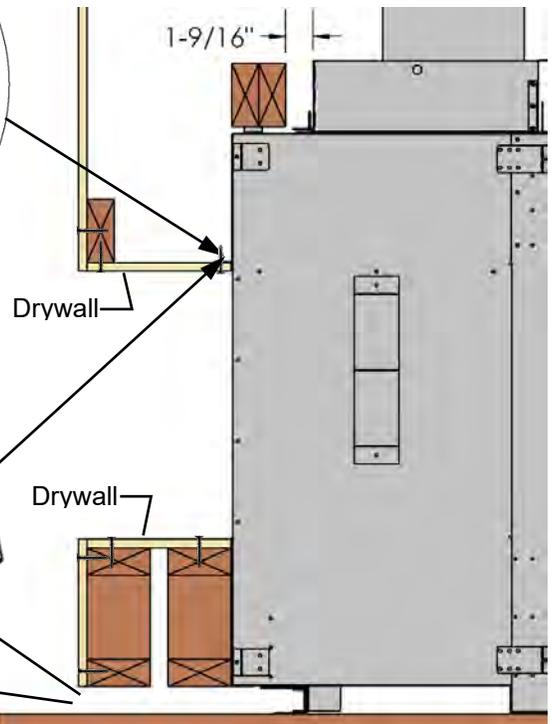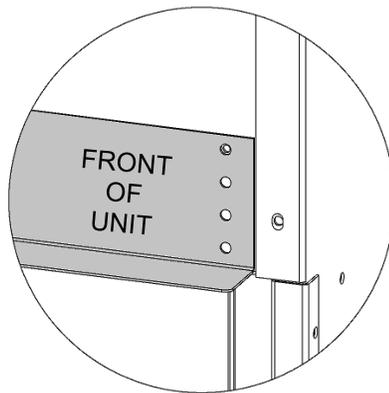
NOTE: If installing VL60S1BL or SS Surround: install Tile Lip using second hole from top, as shown. This will provide the required 5/8" clearance above opening.

66-1/2"

Drywall
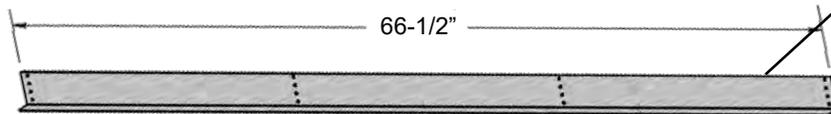
102 Square Inches Free Air Opening. **Example: 1-1/2" x 68"**

Opening must not be blocked by floor covering

VL60S1BL / VL60S1SS -Surround Installation for MQVL60   -Option

PARTS LIST:
- [Qty 1] Surround Frame
- [Qty 2] Black Side Fillers
- [Qty 1] Bottom Filler
- [Qty 1] Appliance Space Filler
- [Qty 15] #6 Black Screws

18-5/16"

70-1/16"

18-1/2"

1-1/2"
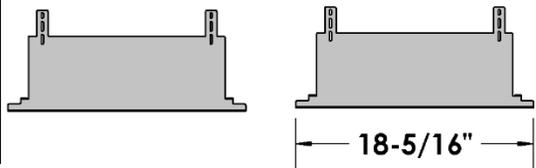
NOTE: Install before applying the finishing materials. Install Tile Lip (supplied with fireplace) using second hole from top, as shown. This will provide the required 5/8" clearance above opening.

2nd hole from top

TILE LIP ON FRONT OF UNIT

5/8"
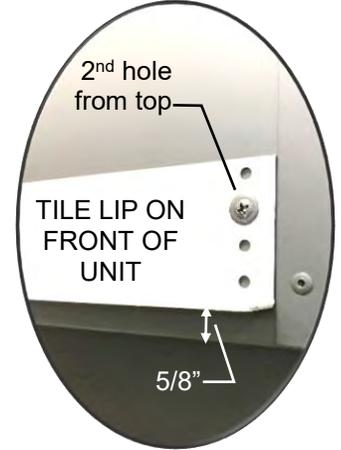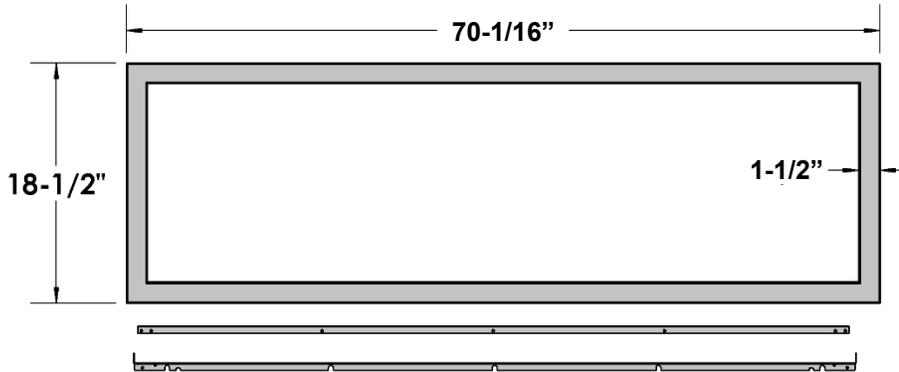
ASSEMBLY: Attach Side Fillers and Bottom Filler to Surround Frame with [Qty] 11 screws.

Surround Frame

Side Filler

Bottom Filler

Side Filler
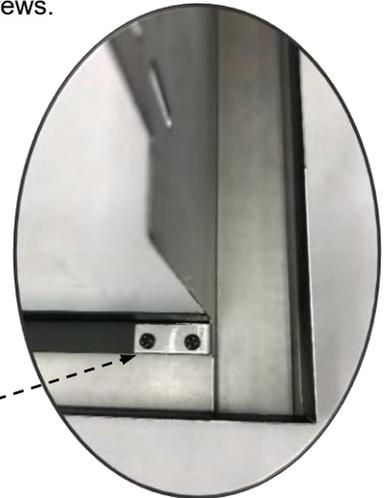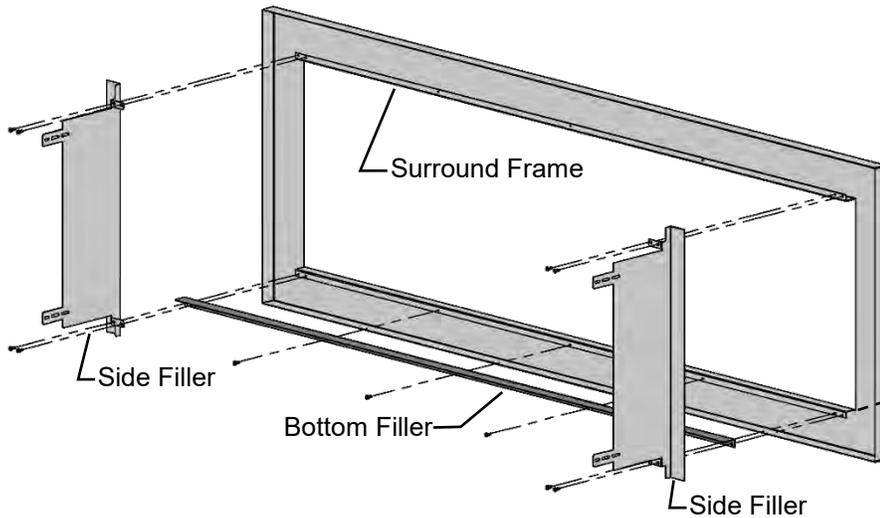
NOTE: DO NOT OVERTIGHTEN SCREWS.

Fireplace Finishing: 5/8" Space is required around fireplace opening. Do not allow wall covering to come within this area.

NOTE: If the wall covering material is more than 3/4" thick, use the **Appliance Space Filler**.

Install before applying the finishing materials.

5/8" Space

Screw

Appliance Space Filler

5/8"

16-1/2"

5/8"

68-1/4"

15-3/8"

5/8"

5/8"
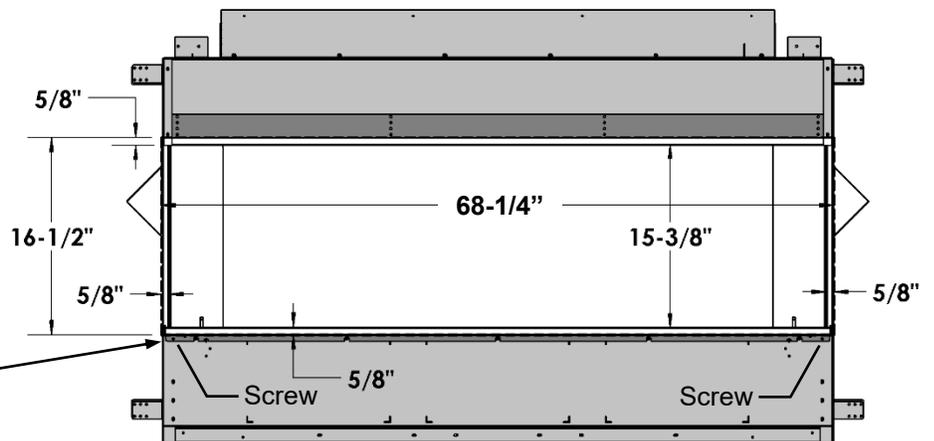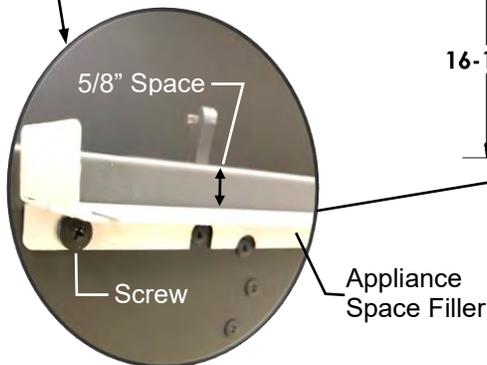
Screw

Screw

INSTALLATION:

- Fireplace must be installed and wall surface must be finished.

-Insert assembled Surround into fireplace opening. [Qty 4] *Surround Tabs* will fit into [Qty 4] *Fireplace Slots*.

-Insert [Qty 4] screws through the holes in the Surround Tabs and into the Fireplace. **DO NOT TIGHTEN SCEWS.**

-Set Surround to desired depth (see **Adjustment** below).

Surround Tabs

Mounting Screws

Fireplace Slots
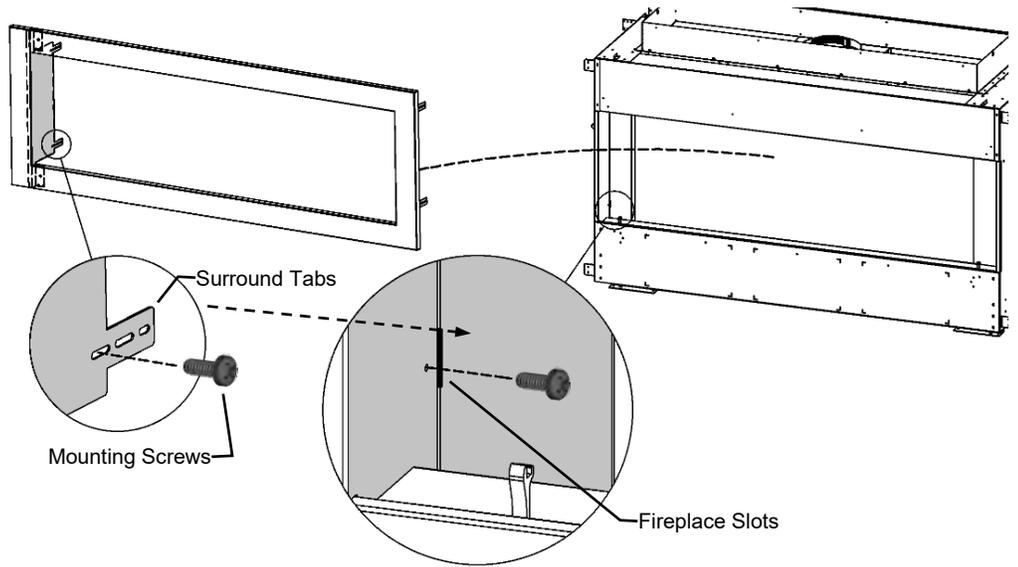
ADJUSTMENT:

-Depth of Surround can be adjusted to match thickness of wall finishing materials.

-Gap behind Surround can be adjusted from approximately 1/2" (drywall only) to 2-1/4" (stone, brick, or other materials).

-Once depth of Surround has been set, tighten screws to hold Surround in place.

NOTE:
DO NOT OVERTIGHTEN SCREWS.

1/2"

2-1/4" ADJUSTMENT

2-1/4"

2-1/4"

1"

Stone, Brick, Etc.

Drywall

Drywall

1/2"

1-1/2"

2"

1/2"

25
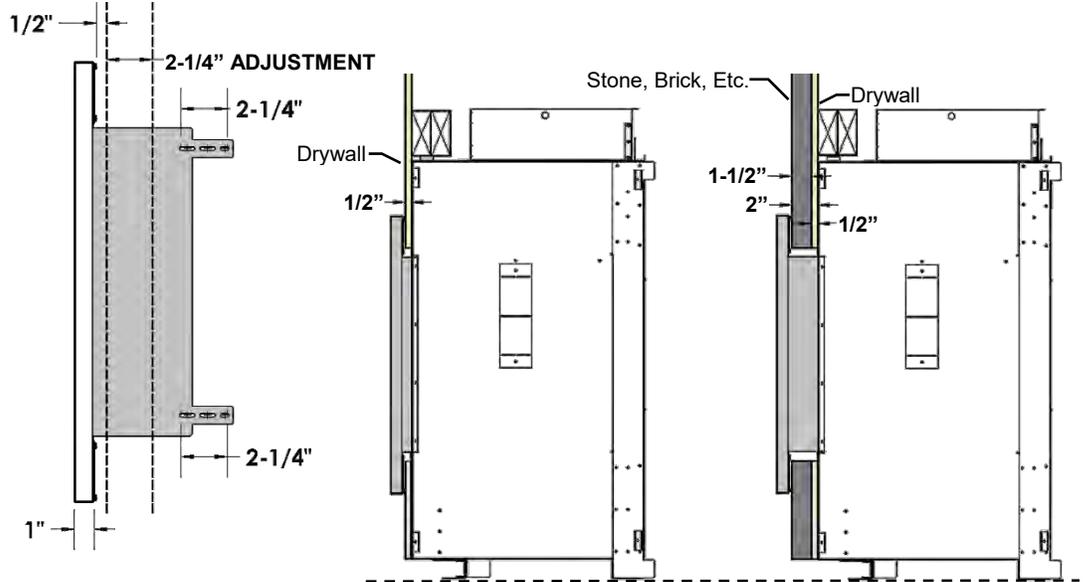
Contents if Kit:

Qty 2 – Side Extension Panels

Qty 4 - #6 Black Screws

4"

18-3/16"

19-7/16"

Framing Details:

FROM EDGE OF FIREPLACE TO OUTSIDE OF 2 X 4

19-3/8"

1/2"

HORIZONTAL FRAMING ABOVE TOP OF OPENING: 1/2"

HORIZONTAL FRAMING BELOW BOTTOM OF OPENING: 7/16"

18-3/16" PANEL HEIGHT

19-3/16" HORIZONTAL FRAMING DIMENSION

15-1/2"

FINISHED HEIGHT

18-15/16"

FINISHED WIDTH
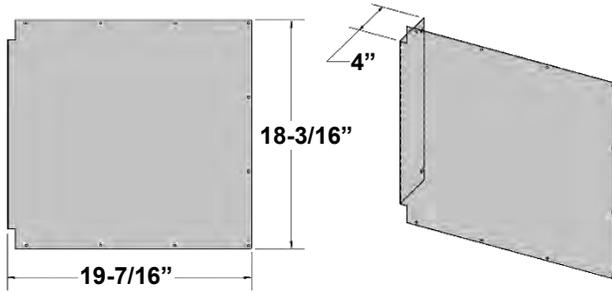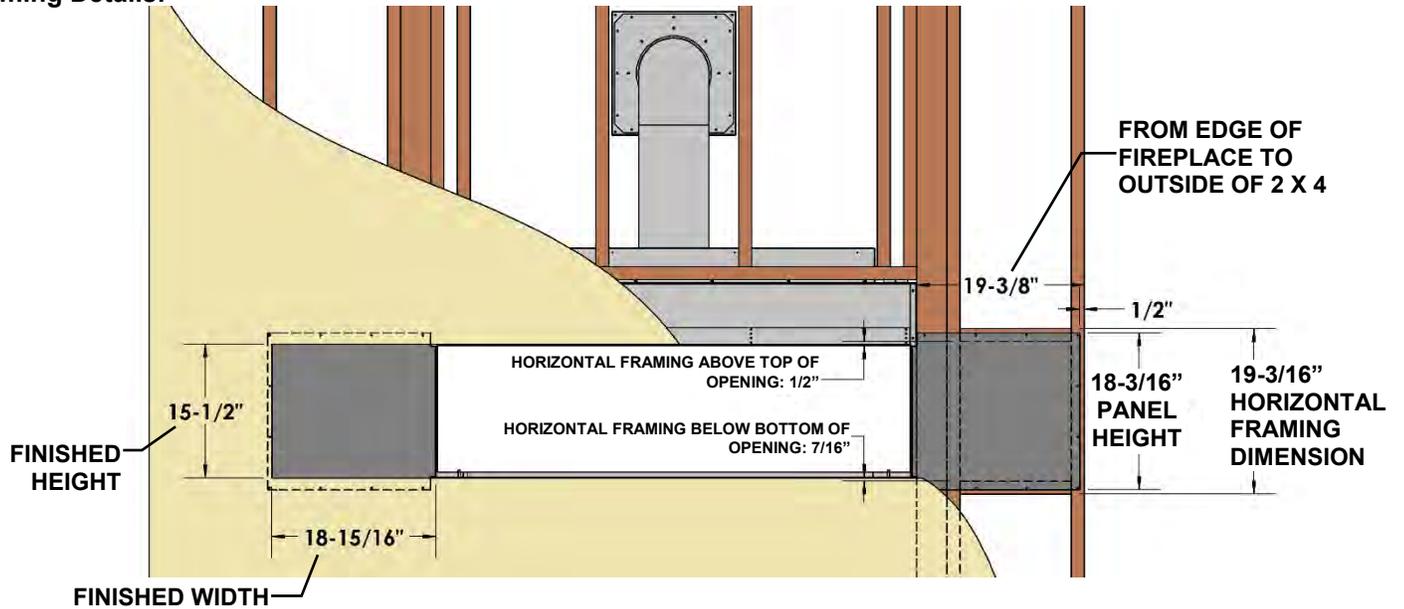
Installation Procedure:

1. Place Panel into side opening of fireplace. Attach panels to inside of fireplace face with [Qty 2] #6 Black Screws.
2. Attach Panel to wall with nails or low profile pan head screws. Repeat for other side.
3. Proceed with finishing wall surface.
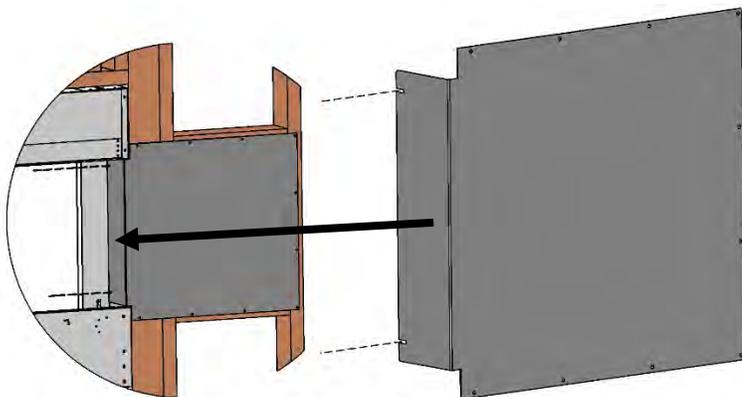
FINISHING OPTION

To remove Glass Front:

1. Remove Wing Nuts on the Upper Glass Retainer above the Glass Door Front and remove the Retainer.

2. Loosen Wing Nuts on the Lower Glass Retainer but do not remove.

3. Remove the Side Cover Panels.

4. Glass Door Front can now be lifted out of the fireplace.

5. Installation is the reverse of these steps. Tighten wing nuts on Glass Front until they are snug. Wingnuts should be finger-tight on Glass Front.

NOTE: Do not over tighten nuts as glass could break. Start at the center and work toward the ends of the glass.

Use caution when working with glass. Wear gloves. Suction Cups Recommended.

Side Cover Panel

Side Cover Panel

Ball of Gasket Faces Fireplace

Glass must be centered on fireplace.

Upper Glass Retainer

X4 (48VL & 60 Units)
X5 (72VL Units)
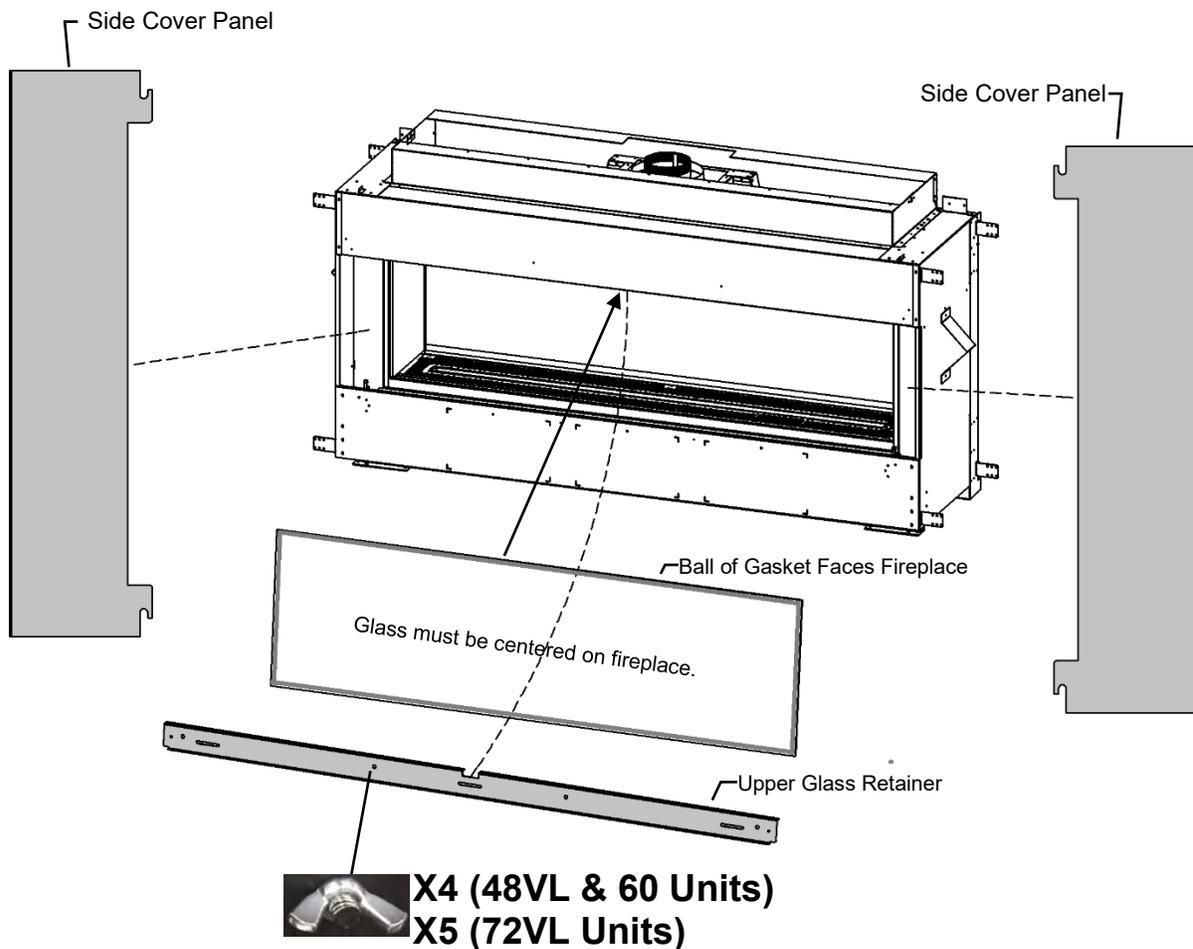
LOCATION KEY:

A. Corner Kit- Left Side

B. Flat on Wall

C. Corner Kit- Right Side

D. Corner Kit- Left Side

E. Corner Kit- Right Side

F. 45° Corner

G. As an Island*

*Island installation with a top vent is possible as long as the horizontal portion of the vent system does not exceed 20 feet (6.1 m).
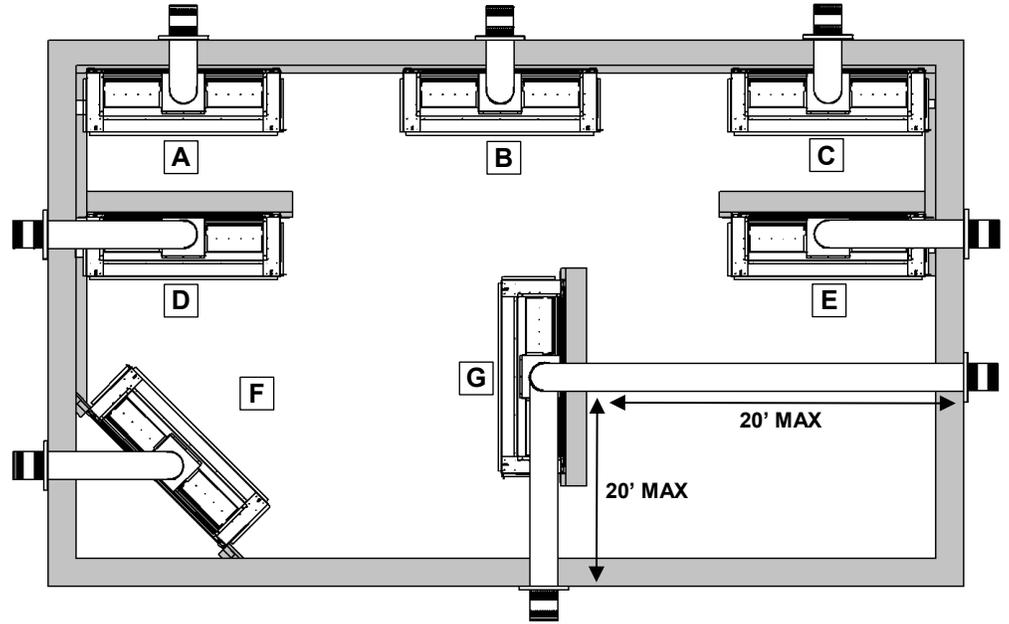

MQVLBG60 Bay Peninsula · Fireplace Dimensions

TOP

BACK

FRONT

LEFT SIDE
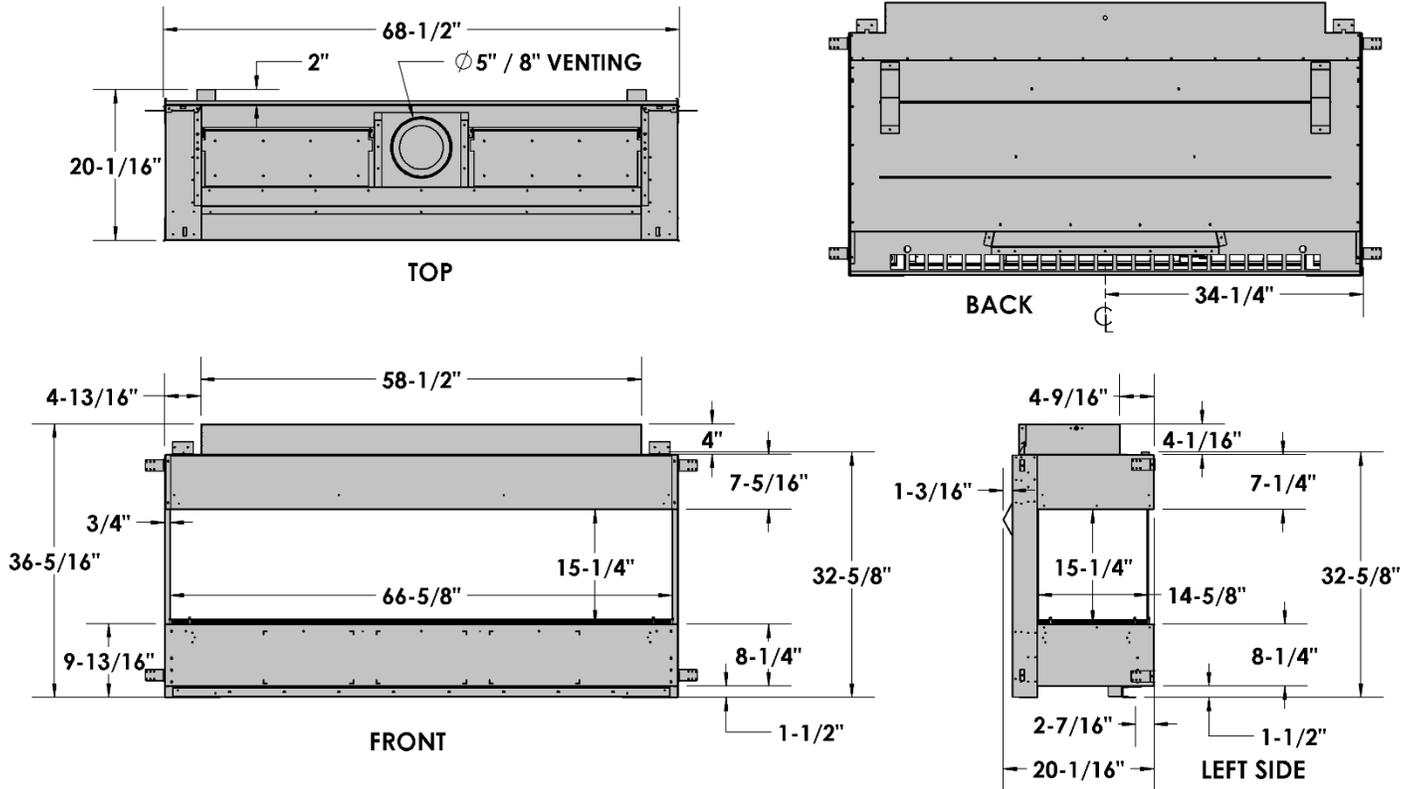
⚠ **IMPORTANT: Front corners of Firebox Glass must have a dab of high-temp silicone placed between the ball of the gasket and the glass. This will fully seal the firebox corners.**

MQVLBG60 Bay Peninsula -Framing

OPTION A: **Framing Attached to Side of Fireplace-** For building out around the fireplace. Framing must be self-supporting.

DOUBLE STUDS
TOP VIEW
DOUBLE STUDS
RIGHT SIDE VIEW
DOUBLE STUDS
BACK WALL
DOUBLE STUDS

20-5/16"
VARIABLE
VARIABLE

VARIABLE Can be built out to desired depth

FRAMING ON TOP OF FIREPLACE
FRAMING IN FRONT OF FIREPLACE

68-1/2"
75-1/2"

EXTENDED FRAMING IN FRONT OF FIREPLACE

102 SQ. IN.

Required Bottom Chase Opening

This area must be open MIN 550 SQ. IN.

20-5/16" MIN
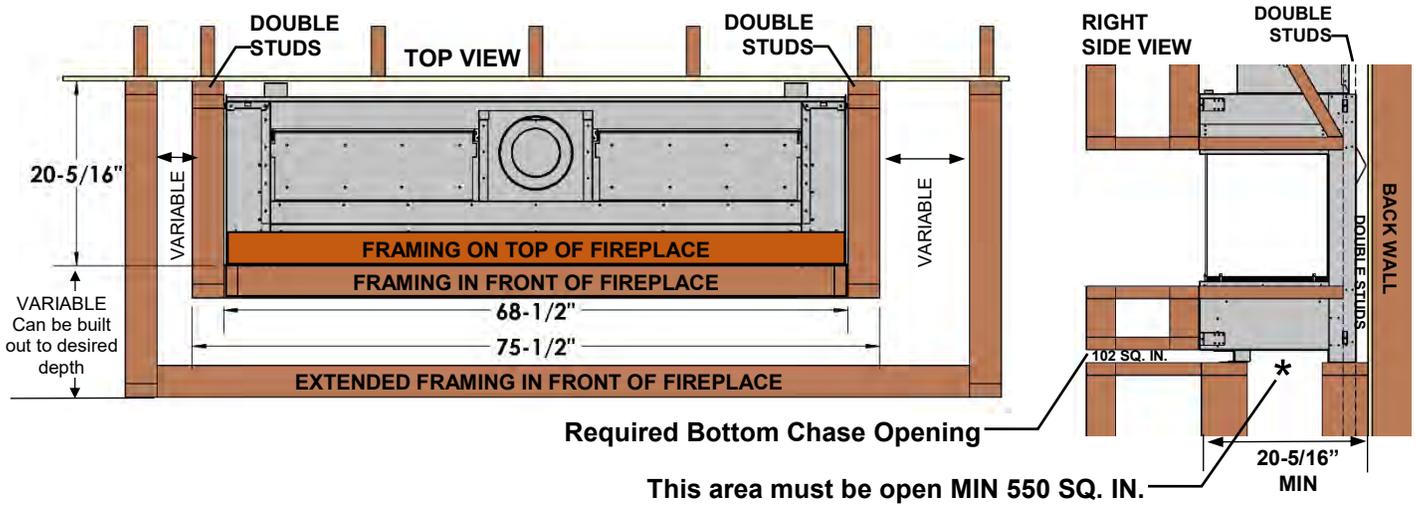
OPTION B: **Framing Attached to Top of Fireplace-** For cantilevered chase. Framing must be self-supporting.

OPTION C: **Framing Attached to Back of Fireplace-** For chase. Framing must be self-supporting.

DOUBLE STUDS
TOP VIEW
BACK WALL
DOUBLE STUDS

20-5/16"
20-5/16"

FRAMING ON TOP OF FIREPLACE

68-1/2" (WIDTH OF UNIT)

DOUBLE STUDS
LEFT SIDE VIEW

RIGHT SIDE VIEW
DOUBLE STUDS

BACK WALL

Sides of Unit will be exposed at viewing area.

Required Bottom Chase Opening

102 SQ. IN.

SINGLE STUD

BACK WALL

Required Bottom Chase Opening

102 SQ. IN.

*

20-5/16" MIN

This area must be open MIN 550 SQ. IN.

This area must be open MIN 550 SQ. IN.

20-5/16" MIN

MQVLBG60 Peninsula –Nailing Tabs and Framing

OPTION A: <u>Framing Attached to Side of Fireplace-</u> For building out around the fireplace.

Appliance and Framing are NOT Load Bearing.

MIN. 200 SQ. IN. Air Opening

SIDE NAILING TAB

Optional framing attached to side of fireplace

⚠ **DO NOT COVER TOP OF PLATFORM.**

550 Square Inches Free Air Opening

102 Square Inches Free Air Opening

MIN. 102 SQ. IN. Example: 2" X 51"

68-1/8"

20-5/16"

OPTION B: <u>Framing Attached to Top of Fireplace-</u> For cantilevered chase.

Appliance and Framing are NOT Load Bearing.

MIN. 200 SQ. IN. Air Opening

TOP NAILING TAB

Optional framing attached to side of fireplace

Sides of Unit will be exposed.

⚠ **DO NOT COVER TOP OF PLATFORM.**

550 Square Inches Free Air Opening

102 Square Inches Free Air Opening

MIN. 102 SQ. IN. Example: 2" X 51"

68-1/8"

20-5/16"

OPTION C: <u>Framing Attached to Back of Fireplace-</u> For cantilevered chase.

Appliance and Framing are NOT Load Bearing.

MIN. 200 SQ. IN. Air Opening

SIDE NAILING TAB

Optional framing attached to side of fireplace

⚠ **DO NOT COVER TOP OF PLATFORM.**

550 Square Inches Free Air Opening

102 Square Inches Free Air Opening

Optional VL60AVP Shown.

MIN. 102 SQ. IN.

68-1/8"

20 5/16"

Example: 1-1/2" X 68"

VLBGCK - Corner Kit - for MQVLBG48/60/72 Peninsula Bay   Option

- MUST BE INSTALLED BEFORE UNIT IS INSTALLED INTO FRAMING. - CORNER KIT CAN BE INSTALLED AT EITHER END OF FIREPLACE.	⚠ **Warning: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.**

Contents of Kit:

- Inner Liner Panel
- Front Glass Cover with Gasket
- Firebox Cover with Gasket
- Fireplace Outer Cover
- 90ml Tube Millpac
- [Qty 22] 1/2" DT Screws
- [Qty 6] Pan Head Screws

Sheet Metal Components:

Inner Liner Panel

Front Glass Cover

Firebox Cover

Fireplace Outer Cover
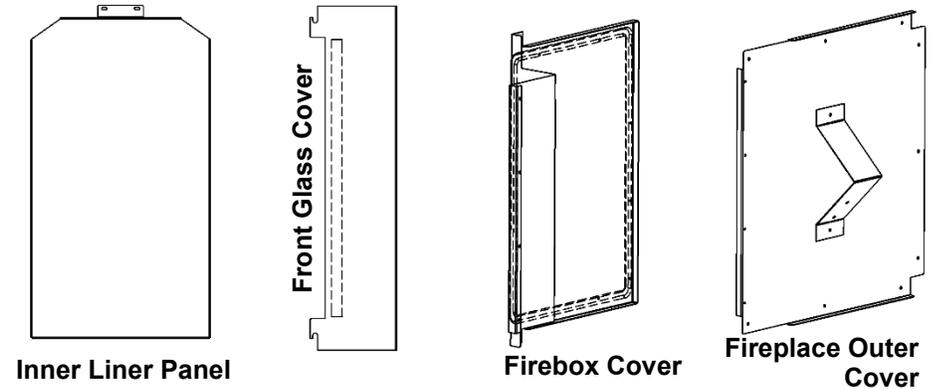
STEP ONE- PREPARATION

1. Remove Front Glass and Lower Front Panel Assembly.

2. Remove Outer Glass Supports and discard.

3. Remove the Side Door Retainers, Firebox Side Glass Panel and Door Frame and discard.

4. Cut and remove Side Firebox Gasket 1/4" past the corner edges.

① **Remove Front Glass and Lower Front Panel Assembly**

② **Remove Outer Glass Supports**

③ **Remove Side Door Retainers, Firebox Side Glass Panel and Door Frame**

Glass Panel

Glass Door Frame

Side Door Retainer

Side Door Retainer

④ **Remove Gasket from Side of Firebox**

CUT GASKET 1/4" BACK FROM FRONT
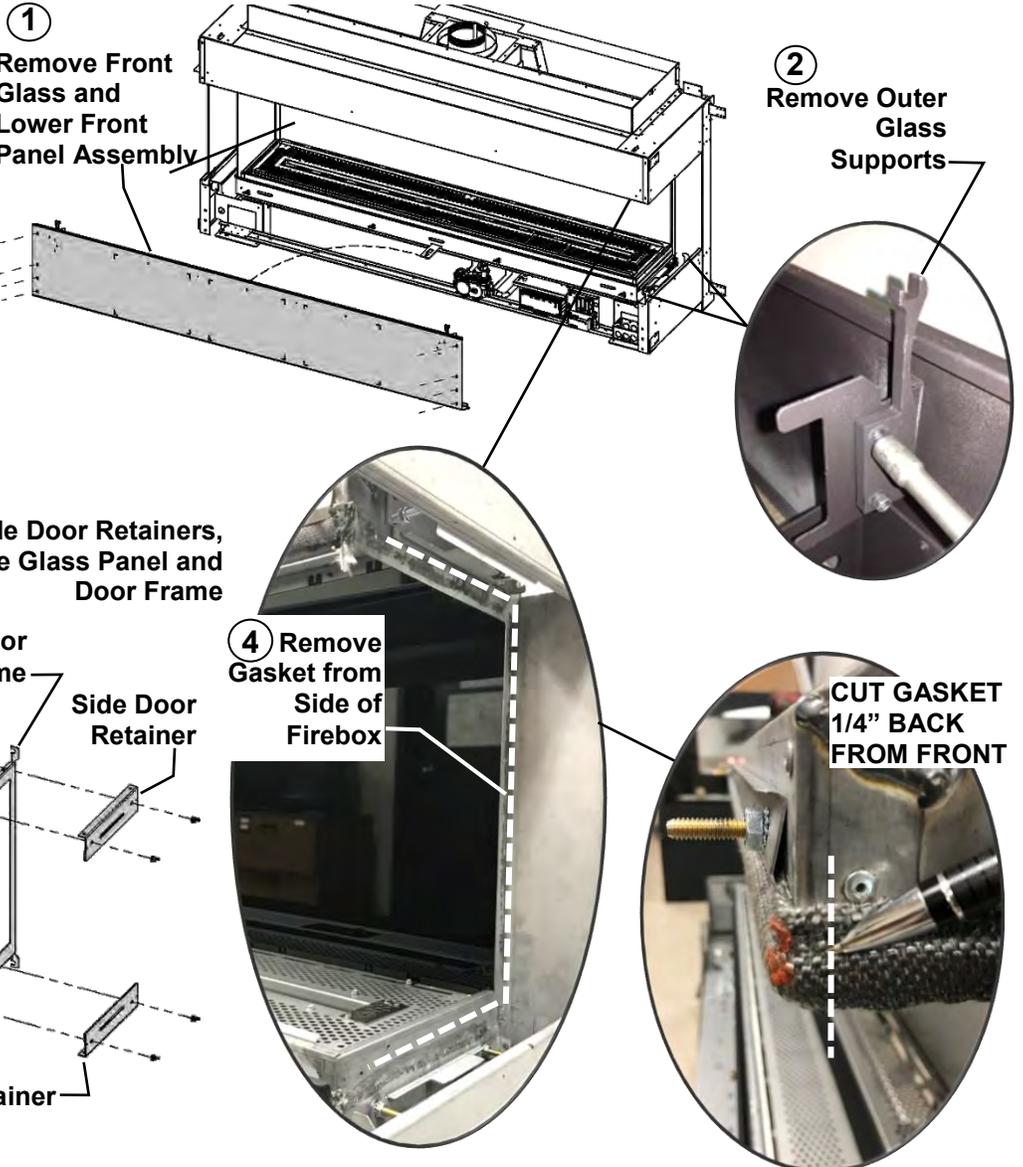
CONTINUED ON NEXT PAGE

STEP TWO: INSTALL FIREBOX COVER

A. Apply a 3/8" bead of Mill-Pac onto the Seal Gasket of the Firebox Cover. Do not Apply Mill-Pac onto the Front Glass Gasket. See Photo.

B. Insert Firebox Cover through front of fireplace and press against **Back and Side** of firebox.

C. Check inside firebox to ensure that Seal Gasket and Mill-Pac are sealed against the side of the firebox. Front Glass Gasket must be flush with front of firebox.

D. Starting with the top 3 holes, attach the Firebox Cover with [10] DT Screws.

NOTE: For MQVLBG72 Units: Side Liner Gasket (supplied with fireplace) MUST be installed. Failure to install this Gasket Kit may result in nuisance pilot outages.
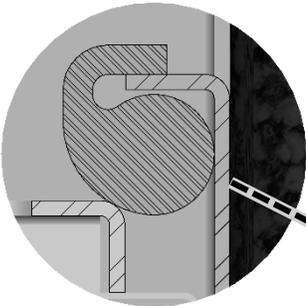
STEP THREE: INSTALL INNER LINER PANEL

NOTE: Do not install this component if you are using optional fiber, porcelain, or reflective glass liners.

E. Remove the False Bottom Retainer from the inside bottom corner of the firebox and discard.

F. Remove the Brick Clip from the inside top corner of the firebox and discard.

CONTINUED ON NEXT PAGE

A Seal Gasket 3/8" Bead of Mill-Pac

Front Glass Gasket NO Mill-Pac

Bottom of Angle will locate Cover in Firebox

B Insert Firebox Cover through front of fireplace

C Ensure Seal Gasket and Mill-Pac are sealed against the side of the firebox

Front Glass Gasket must be flush with front of firebox

Attach with [10] DT Screws

D Outside of Firebox Cover

Back of firebox

E Remove False Bottom Retainer

F Remove Brick Clip

G. Install Inner Liner Panel inside of Firebox.

STEP FOUR: INSTALL FIREPLACE OUTER COVER

H. Use the [6] Pan Head Screws supplied along front edge of Fireplace Outer Cover. Use [7] DT Screws to attach top, bottom, and back of Fireplace Outer Cover.

I. Set Stand-Off in position and attach with DT Screw.
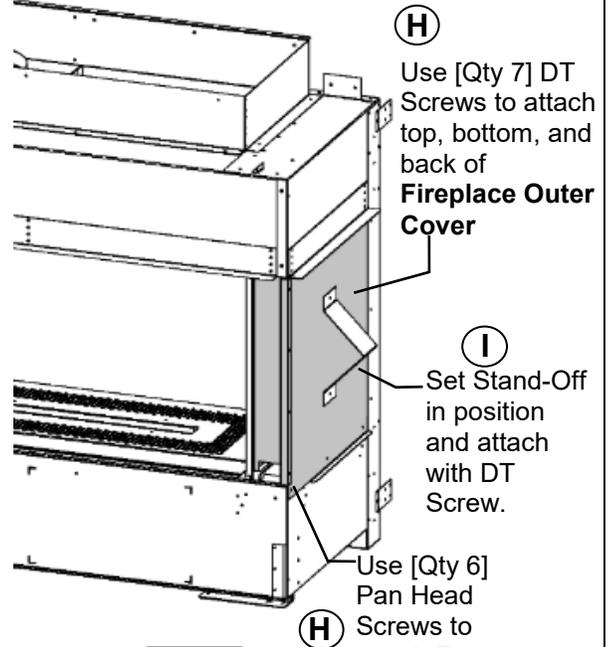
FRONT GLASS COVER

J. Install Front Glass Cover when installing firebox front glass.

K. Reinstall Lower Front Panel Assembly.

G

Install Inner Liner Panel inside of firebox

Front Glass Gasket

H
Use [Qty 7] DT Screws to attach top, bottom, and back of **Fireplace Outer Cover**

I
Set Stand-Off in position and attach with DT Screw.

Use [Qty 6] Pan Head Screws to attach Front of **Fireplace Outer Cover**

H

J
Install **Front Glass Cover** when installing firebox front glass

K
Reinstall Lower Front Panel Assembly
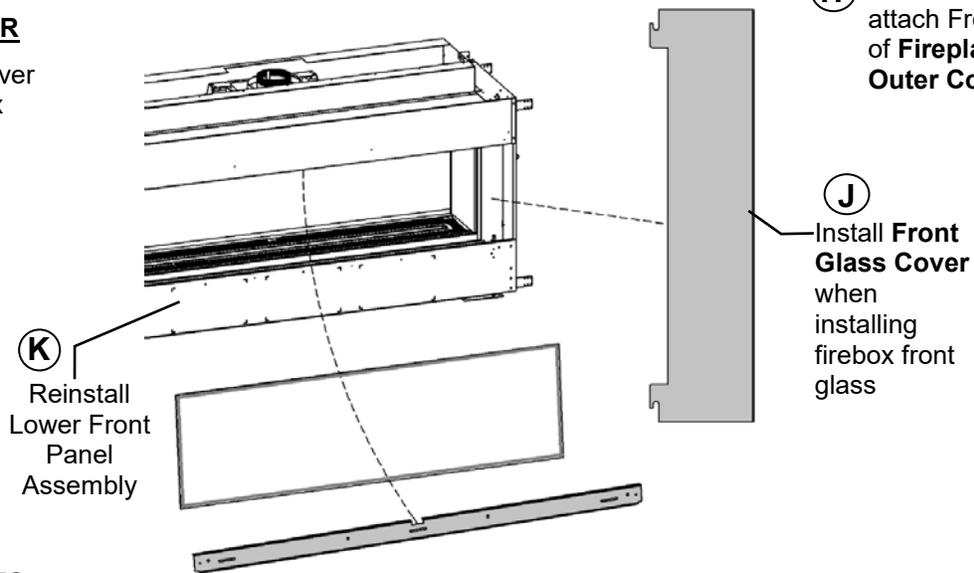
FRAMING / CLEARANCES:

VLBGCK Corner Kit requires the same framing and clearances as MQVL 48/60/72 Single Side appliances.
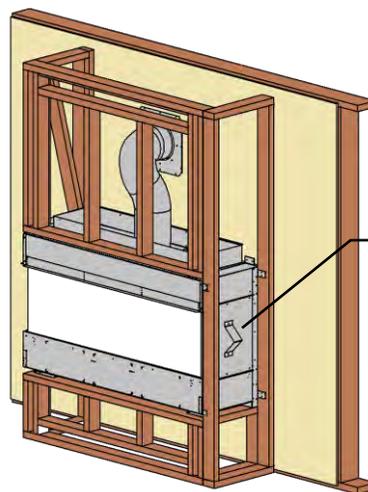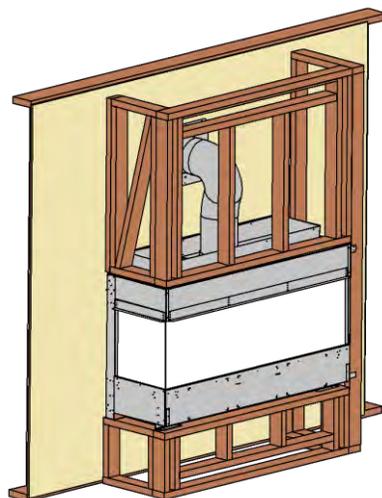
VLBGCK has the same framing and clearance requirements as MQVL48/60/72 Single Side fireplaces

MQVLBG60 Bay Peninsula   -Facing Requirements

Unit may be covered with combustible material (i.e. drywall) up to the fireplace opening.
VL60EG or **VL60EGS** Grills can be used.

Option A: Open Chase at Ceiling
Minimum 200 Sq. Inches.

Option B: Vent Slot in Chase- Flush or within 3/4" of
Enclosure Top - Minimum 200 Sq. Inches.
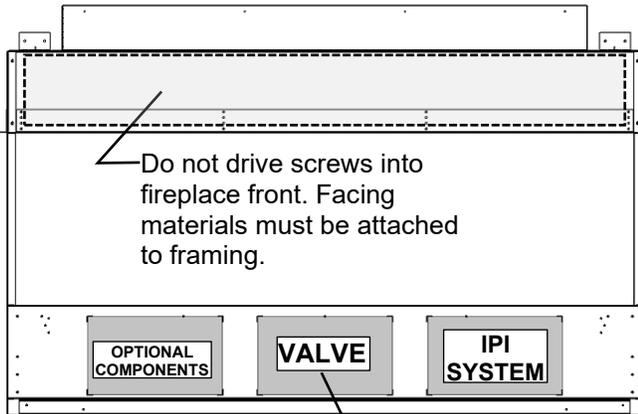
Do not drive screws into
fireplace front. Facing
materials must be attached
to framing.

OPTIONAL
COMPONENTS

VALVE

IPI
SYSTEM

Do not drive screws into
these highlighted areas.
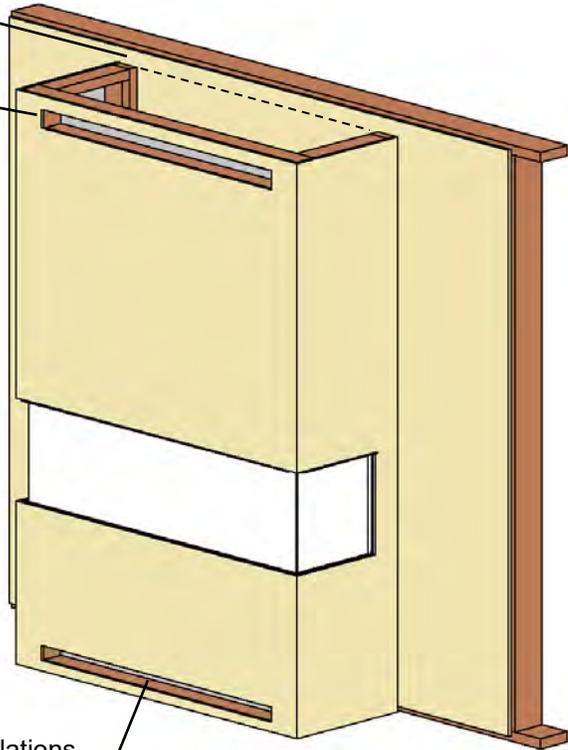
Lower Vent Slot (MIN 102 Sq. In.) is REQUIRED for ALL Installations.
Example: 2" x 51"

MQVLBG60 Bay Peninsula   - Using Tile Lip

A Tile Lip is supplied for attachment above the fireplace opening only. This can be used as a standard tile edging or as a mount bracket for other surfaces like drywall or plywood.

Set to desired height and attach through holes in face of fireplace.

For a complete Tile Lip Kit order 60VL-TLK.

FRONT

SIDE

1-9/16"

Drywall

66-1/2"

15-3/8"

15-3/8"

Drywall
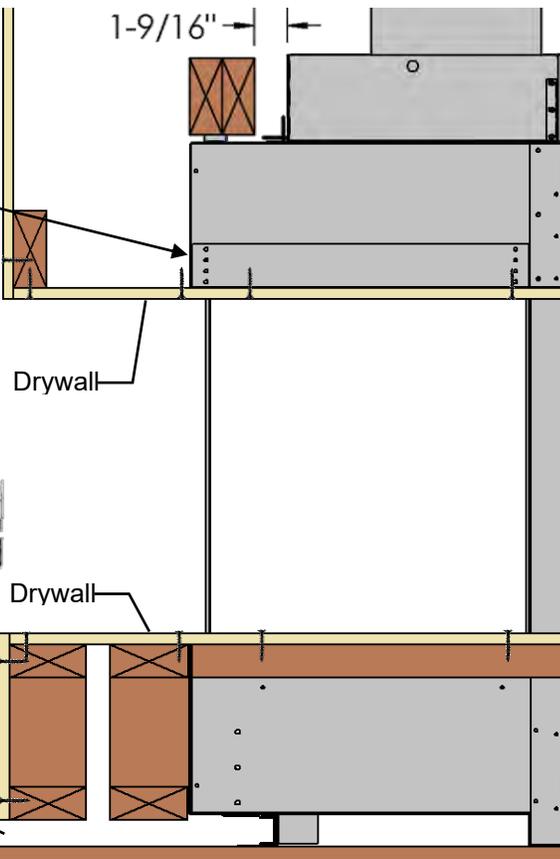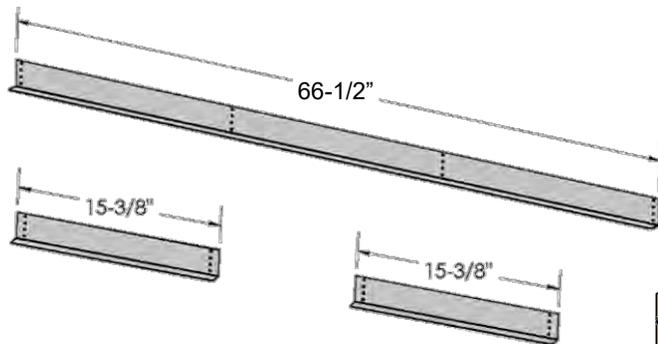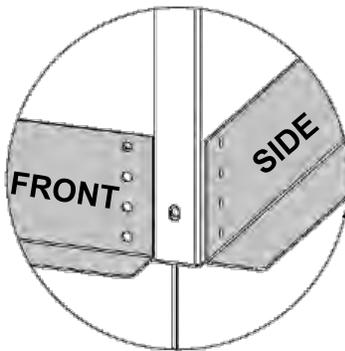
102 Square Inches Free Air Minimum
Example: 1-1/2" x 68"

34
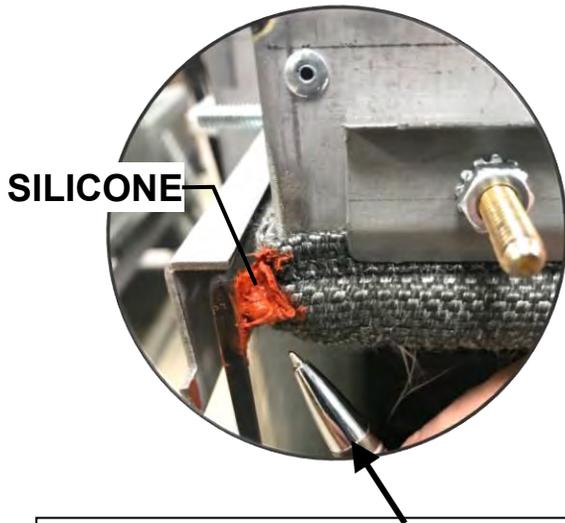
SILICONE

⚠ **IMPORTANT: Each corner must have a dab of high-temp silicone placed between the ball of the gasket and the corner glass. This will fully seal the firebox corners.**

SIDE GLASS

SILICONE

ALIGNMENT TAB
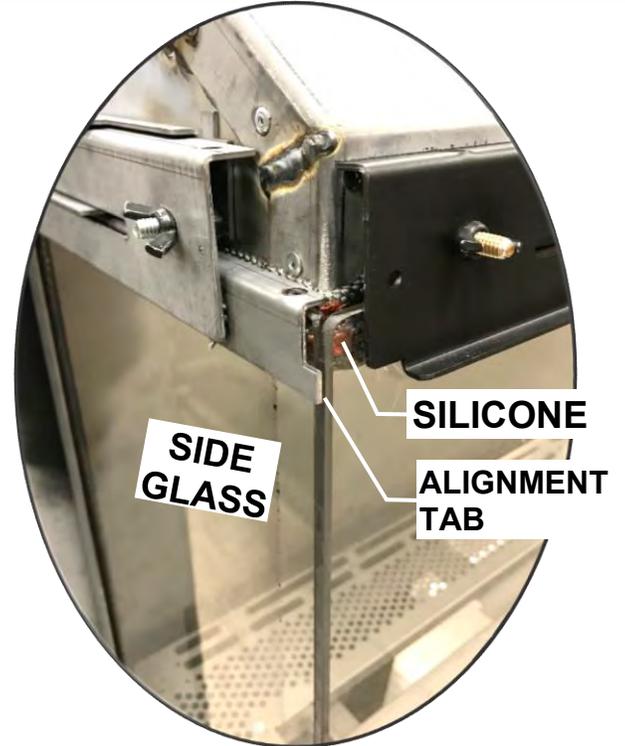
Front Glass is placed in front of corner glass edge.

To Install Glass Front:

1. Loosen Upper and Lower Side Glass Retainer wing nuts until they are only lightly snug (See **A** and **B** at right).

2. Place a bead of High Temp Silicone on all four corners of the firebox gasket (**see above**). This will seal any gaps between where the gasket and the glass corners meet.

3. Install Glass Front into the Lower Glass Retainer. Install Upper Glass Retainer. Tighten wing nuts until lightly snug. **Start at the center and work toward the ends of the glass.**

4. Match Glass Front up with Side Glass at each end using Alignment Tabs (**See above**).

5. Tighten wing nuts on Glass Front until they are snug. Next, fully finger-tighten wing nuts on Side Glass, and then back them off 1/4 to 1/2 turn. Finally, finish tightening all wing nuts on Glass Front.

   NOTE: Do not over tighten nuts as glass could break.

   Wingnuts should be finger-tight on Glass Front.

To Remove Glass Front:

1. Remove Wing Nuts on the Upper Glass Retainer and remove the retainer.

2. Loosen Wing Nuts on the Lower Glass Retainer but do not remove. Glass Front can now be lifted out of the fireplace.

A: Upper Side Glass Retainer

High Temp Silicone on Firebox Gasket at corner

SIDE GLASS

Glass Gasket is on Firebox Face

Match Glass Front up with Side Glass

Upper Glass Retainer

SIDE GLASS

High Temp Silicone on Firebox Gasket at corner

X4 (48 & 60 VLBG Units)
X5 (72VLBG Units)

B: Lower Side Glass Retainer

35
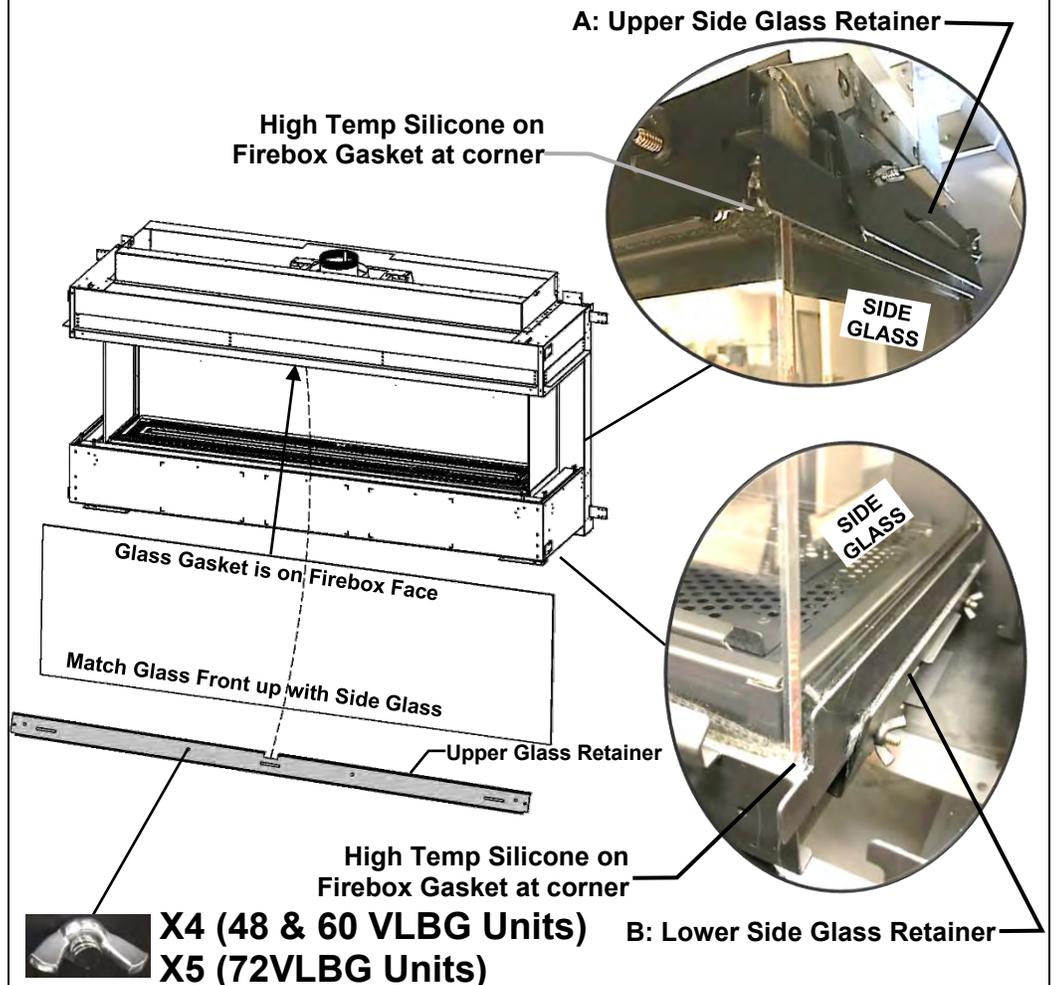
Enclave Series 48/60/72 – Bay Peninsula Units- – Side Glass Removal and Installation

Remove Front Firebox Glass first. If the Side Glass Panel or another component must be cleaned or replaced, remove the 4 Wing Nuts from the Side Glass Door and remove Retainers, Glass Door Frame, and Glass.

⚠ **IMPORTANT: Front corners must have a dab of high-temp silicone placed between the ball of the gasket and the glass. This will fully seal the firebox corners.**

Spring Mechanism 60VLBG-126A

Glass Door Frame c/w Gasket

Glass 48VLB-311

Door Retainer c/w Gasket

High Temp Silicone on Firebox Gasket at corner

SIDE GLASS DOOR

1/4-20 Wingnut [Qty 4]

Spring Mechanism 60VLBG-126A

Door Retainer c/w Gasket

High Temp Silicone on Firebox Gasket at corner
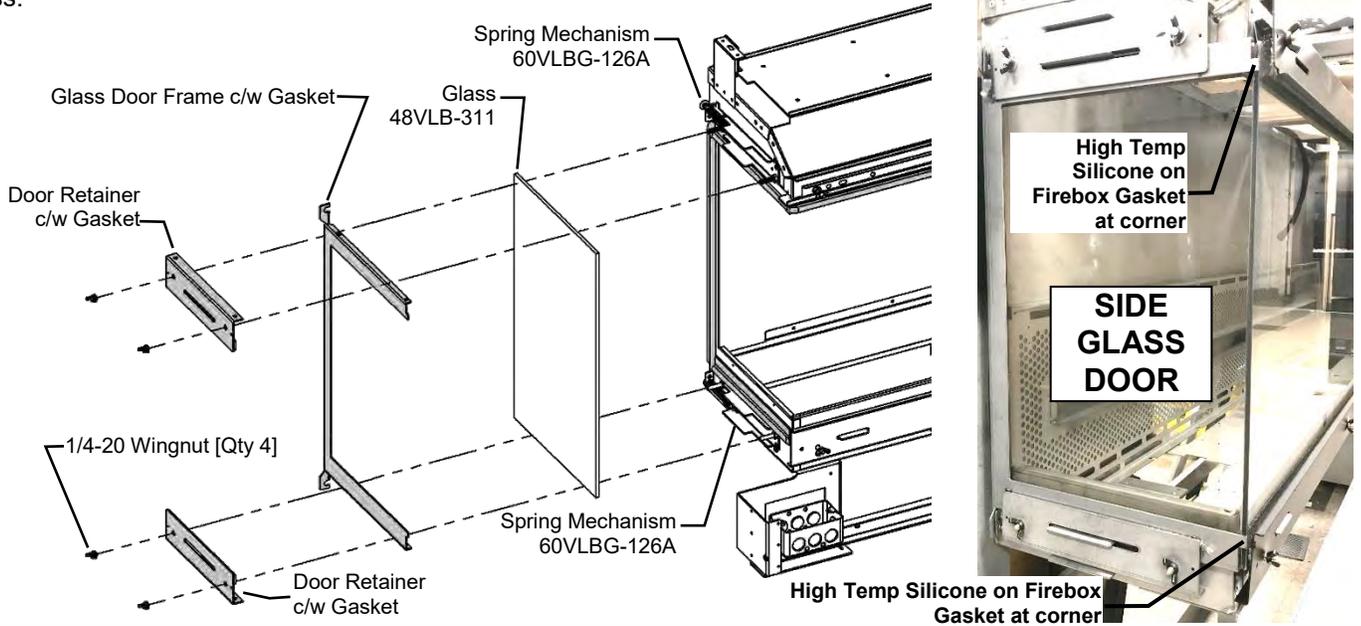
To Reinstall Side Glass Door:

1. Install Glass Door Frame onto firebox by engaging slots in Door Frame behind the heads of the Carriage Bolts on the upper and lower Spring Mechanisms.

2. Install Door Retainers and Wingnuts. Do not fully tighten Wingnuts until Firebox Front Glass Panel is installed.

3. Proceed to Front Glass Installation Instruction.

Carriage Bolt

Slot in Glass Door Frame

SLOTS IN GLASS DOOR FRAME WILL ENGAGE BEHIND HEADS OF CARRIAGE BOLTS.

TOP

BOTTOM

Slot in Glass Door Frame

Carriage Bolt
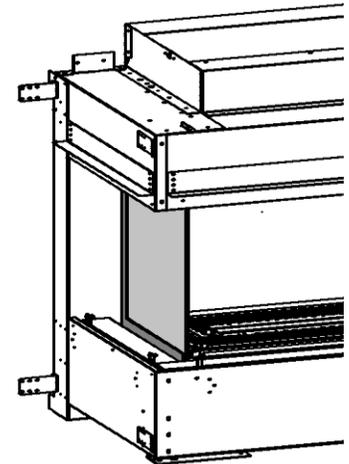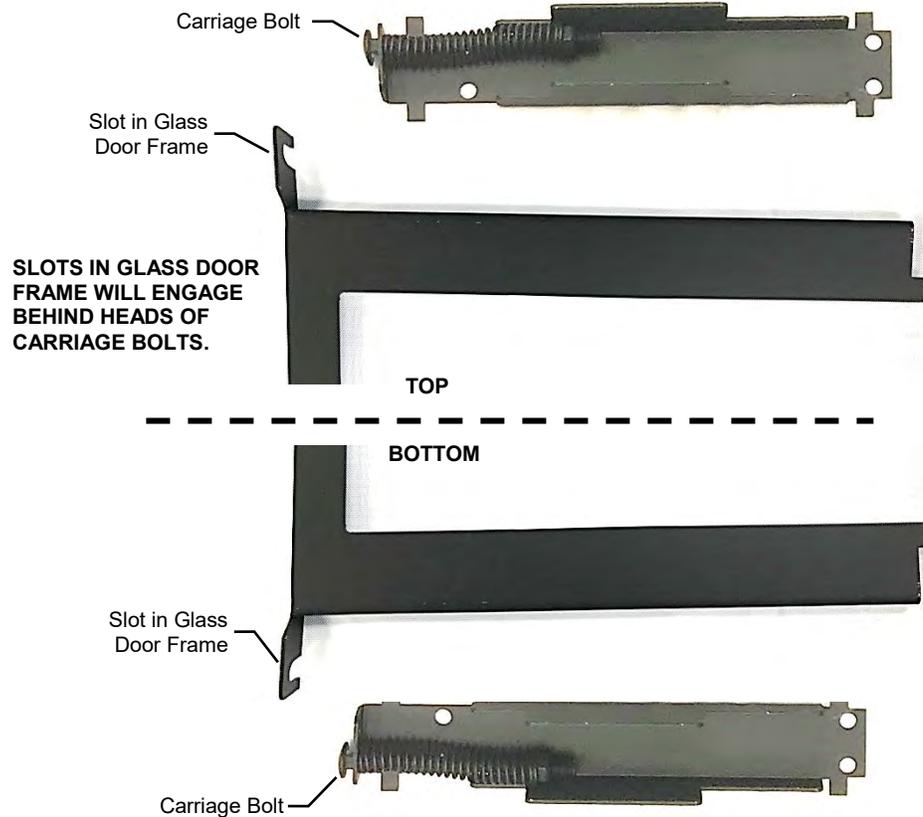
Replacement Part: Spring Mechanism 60VLBG-126A
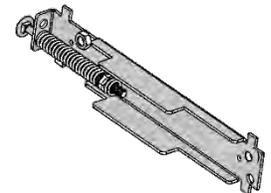
Glass Cleaning

It will be necessary to clean the glass periodically. During startup, condensation, which is normal, forms on the inside of the glass, and causes dust, lint etc. to cling to the glass surface.

Also, initial paint curing can deposit a slight film on the glass. It is therefore recommended that initially the glass be cleaned two or three times with a fireplace glass cleaner. After that, the glass should be cleaned two or three times a season depending on the circumstances.

⚠ **Cautions and Warnings**

- Do not clean when the glass is hot.
- The use of substitute glass will void all product warranties (see **Glass Replacement** in this section).
- Care must be taken to avoid breakage of the glass.
- Do not operate this fireplace without the glass front or with a broken glass front.
- Do not strike or abuse the glass.

Glass Replacement - Firebox

Only Robax ceramic or coated Neoceram glass may be used for replacement for all MQVL60 / MQVLBG60 Models. Glass must be minimum 5mm thick. **Be sure to purchase glass from an authorized dealer.**

To replace glass, remove old gasket and clean glass. Peel backing from new gasket and install as shown below.

Use caution when working with glass. Wear gloves.
Suction Cups Recommended.

Removal of the Glass Front: Refer to *Glass Door Front Removal / Installation* section of this manual.

1. Remove nuts with a 3/8" wrench.
2. Remove Glass Door.

Removal of the Glass Side Doors: Refer to *Glass Door Side Removal* section of this manual.

1. Remove nuts with a 3/8" wrench.
2. Remove Glass Door.

Glass Replacement – Safety Glass Barrier - MQVL60 / MQVLBG60 Models

Only Tempered Low E Glass may be used, and coated side of glass must face toward firebox.

Be sure to purchase glass from an authorized dealer.

Refer to *Glass Safety Barrier Installation / Removal* section of this manual.

<center>

Use caution when working with glass. Wear gloves.
Suction Cups Recommended.

</center>

Round part of gasket goes toward firebox.

FIREBOX GLASS
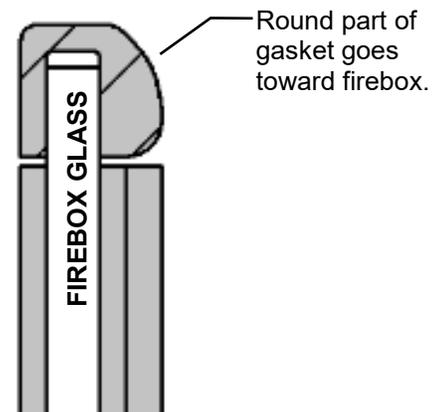
Suction Cups Recommended

MQVL60 / MQVLBG60– Glass Safety Barrier Installation / Removal

INSTALL <u>SIDE</u> GLASS FIRST. DECAL ON GLASS SHOULD FACE OUTSIDE.

TOP

16-3/16"

14-3/8"

SIDE GLASS PANELS [QTY 2]

TOP

TOP

16-3/16"

66-5/8"
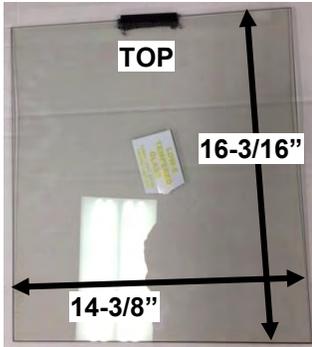
FRONT GLASS PANEL [QTY 1]
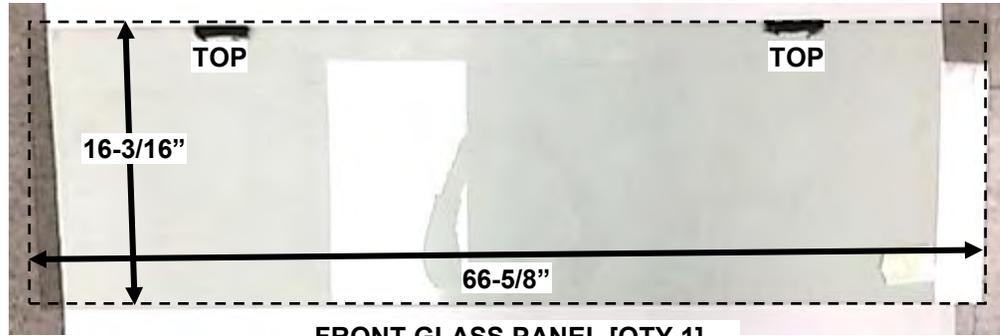
INSERT GLASS INTO CLIPS IN TOP OF FIREPLACE

GLASS SUPPORTS
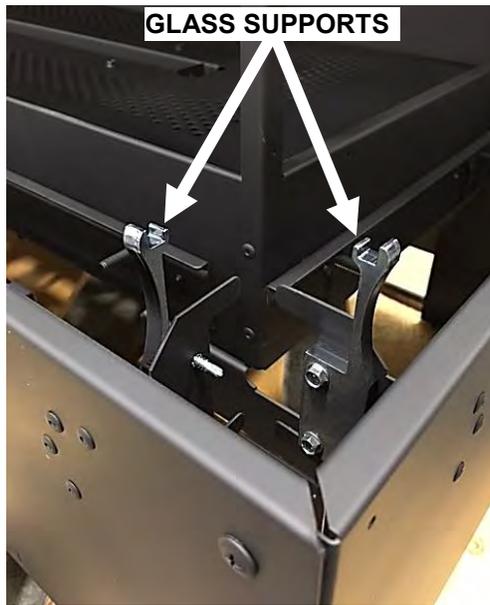
PLACE GLASS INTO GLASS SUPPORTS. REPEAT FOR OTHER SIDE.

REPEAT PROCEDURE FOR FRONT GLASS. TWO PEOPLE AND / OR SUCTION CUPS ARE RECOMMENDED.

38

MQVLBG60 Component Locations

TOP VIEW

GAS LINE

120 VAC OPTIONAL

REMOTE PAIRING BUTTON (SW1 SWITCH)

VALVE

P2 MODULE

LIGHT DRIVER (LED)

BATTERY BACKUP

120 VAC
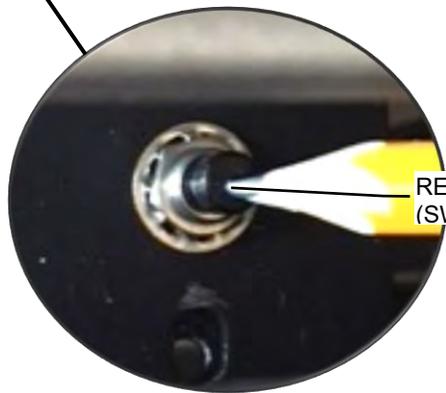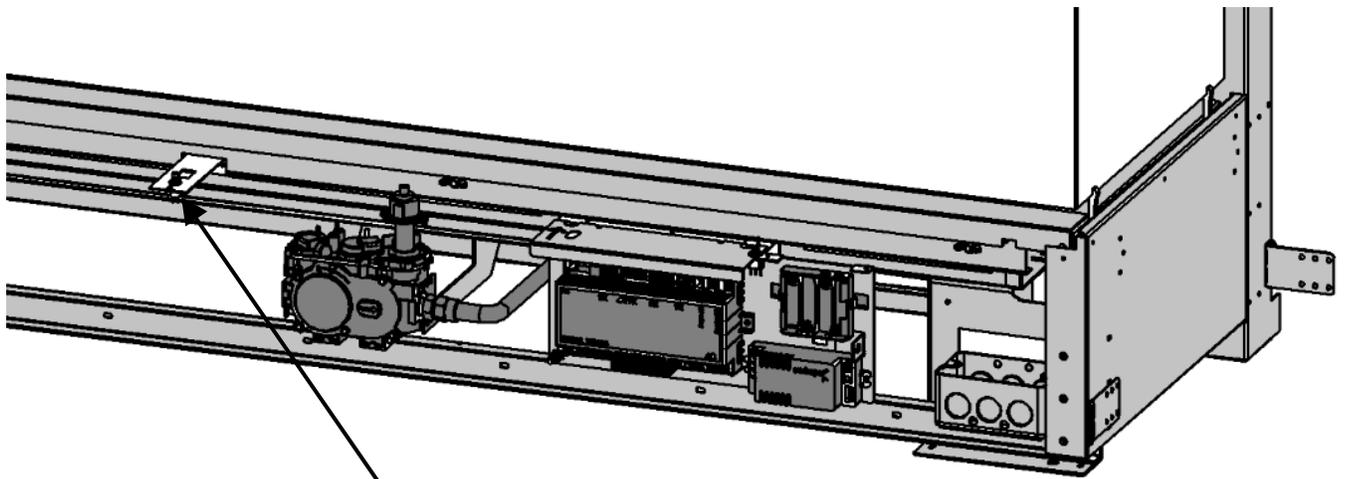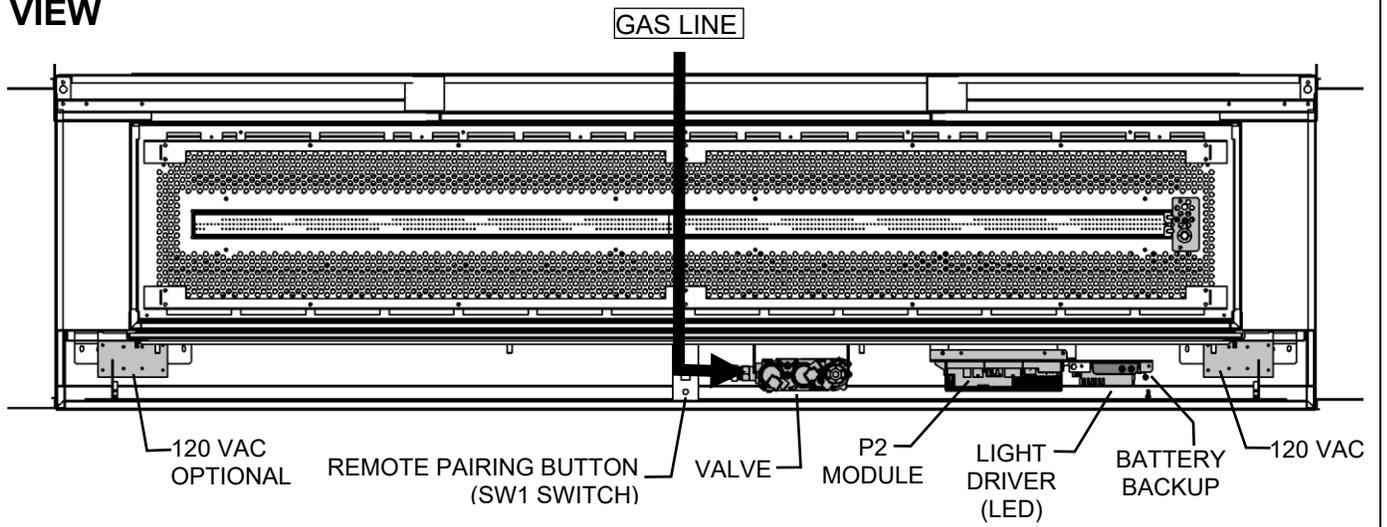
REMOTE PAIRING BUTTON (SW1 SWITCH)

Please follow the current ANSI/NFPA 70 National Electrical Code in the USA and CAN/CSA C22.1 Canadian National Electrical Code in Canada.

LED Light Strip is Located Under the Firebox.

LED LIGHT STRIP

584-X10 HARNESS

YELLOW CONNECTOR

GROUNDING STUD

PROFLAME 2 MODULE

LED CONTROLLER MODULE

BATTERY BACKUP

BURNER PAN – TOP VIEW

TEMPERED GLASS PANELS

TEMPERED GLASS PANELS

FRONT OF FIREPLACE

40
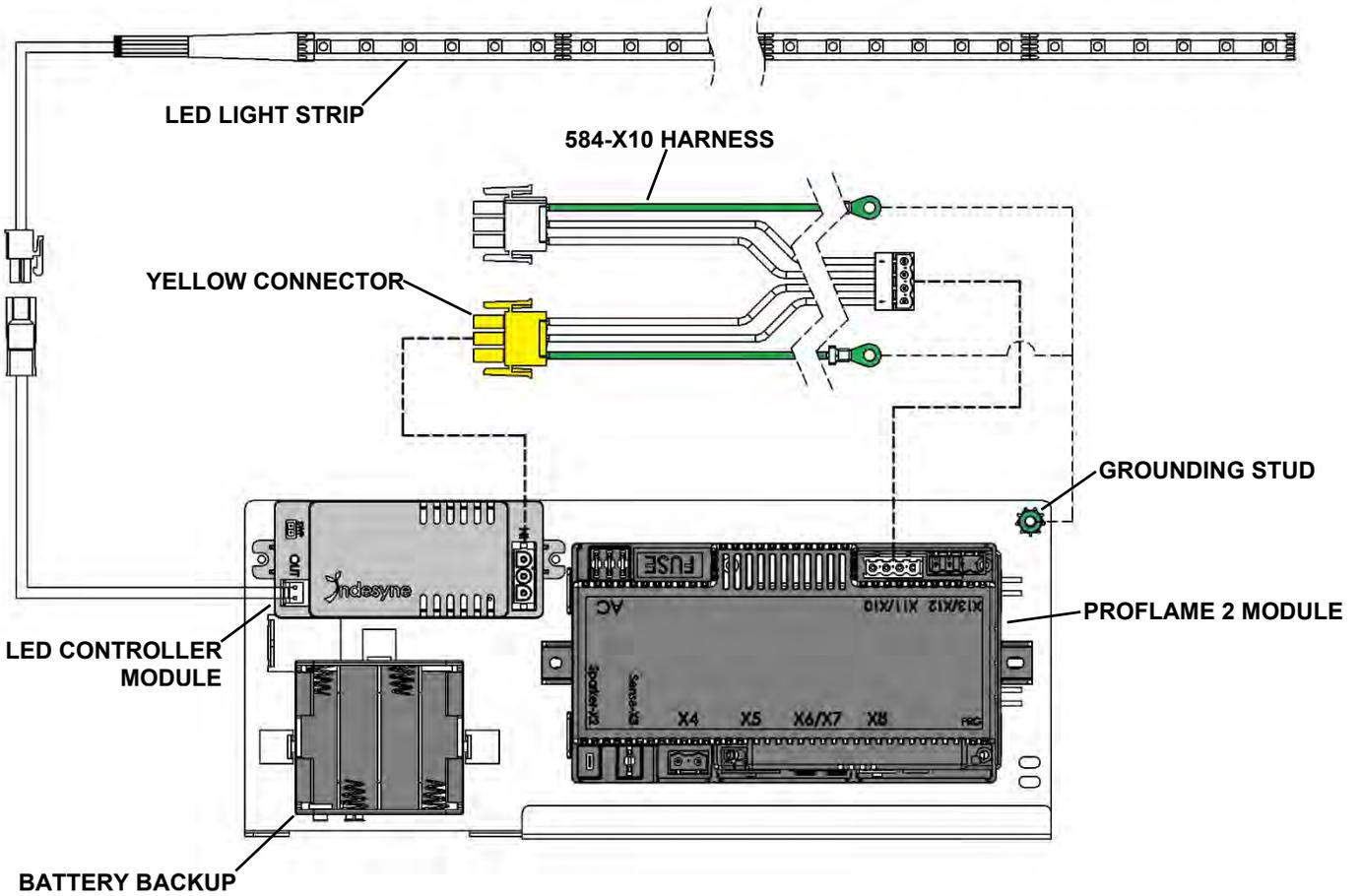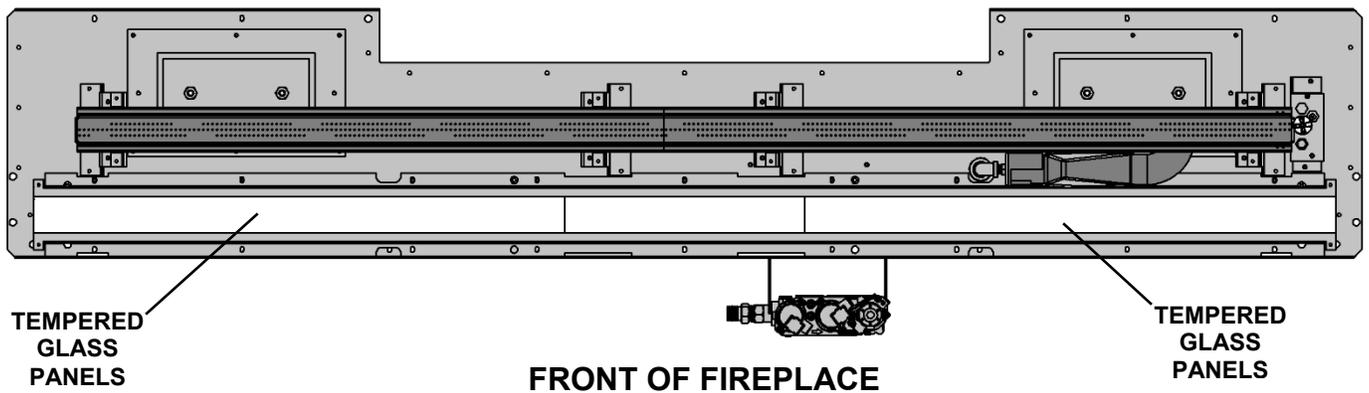
MQVL60PLB - BACK PANEL KIT

CONTENTS:

PORCELAIN
BACK LINER X 3

19-15/16"

19-7/8"
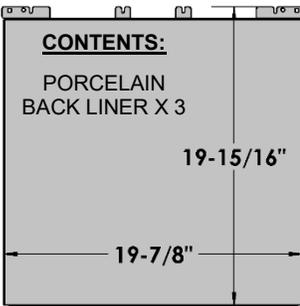
NOTE: Install VL60PLB **Before** installing MQVL48PLE End Panel Kit.

STEP ONE: Remove Back Clip and screws from inside of firebox with a 1/4" hex driver. Discard Back Clip but **Keep Screws.**

DT SCREW

DT SCREW

BACK CLIP (DISCARD)
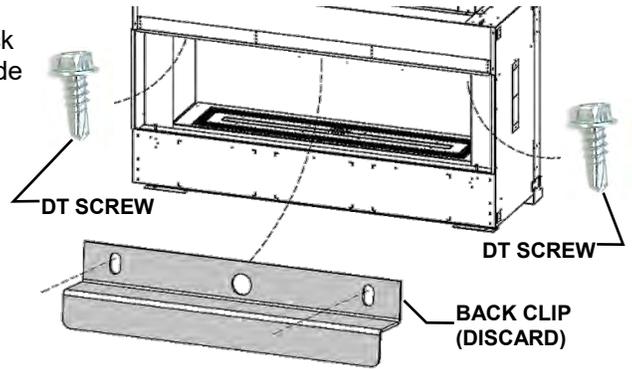
STEP TWO: **Remove Media Fence frim Media Tray** with [Qty 3] Lower Liner Clips Attached.

MEDIA FENCE -REQUIRED- DO NOT DISCARD

LOWER LINER CLIP (X3) NOT REQUIRED

LOWER LINER CLIP AT ENDS

MEDIA FENCE

LOWER LINER CLIP AT CENTER

MEDIA FENCE
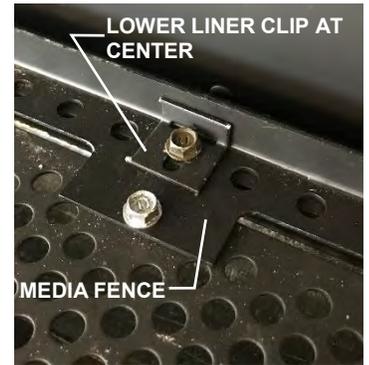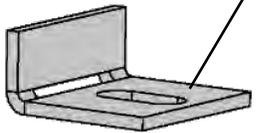
STEP THREE:
Install one Liner at each end of the firebox. Attach with 1 DT Screw on top corners and 2 at bottom.

TOP CORNERS

BOTTOM CORNERS

STEP FOUR: Install remaining Liner in Center Position in firebox. Attach with 2 DT Screws on top and 2 at bottom.

TOP OF FIREBOX

STEP FIVE: Reinstall Media Fence as shown, with one row of slots exposed.

SLOTS

MEDIA FENCE

SLOTS

LOWER LINER CLIP AT CENTER- NOT REQUIRED

MEDIA FENCE
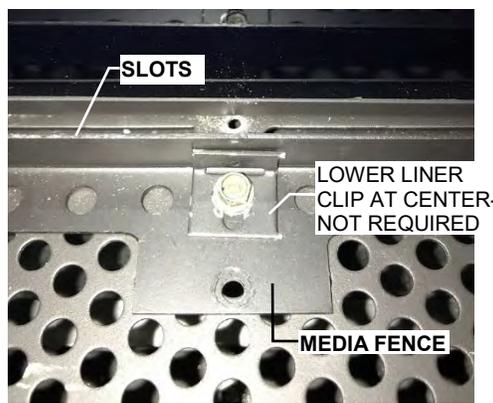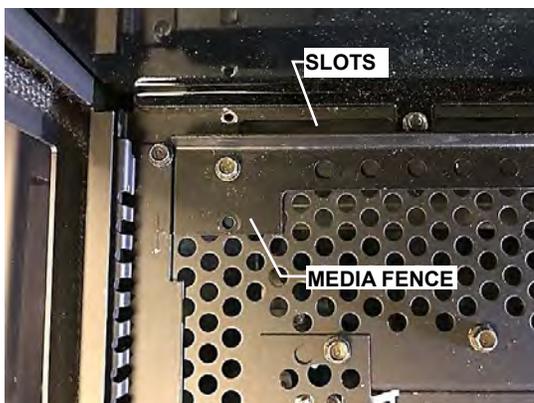
⚠ **Note: Discoloration of Porcelain Liners Is Not Covered Under Warranty.**
Glass Liners may discolour during normal operation of your appliance.
This is normal, and not considered a defect.

**You are now ready to install VL48PLE if desired.**

-VL48PLE- END PANEL KIT

19-3/8"

9-15/16"
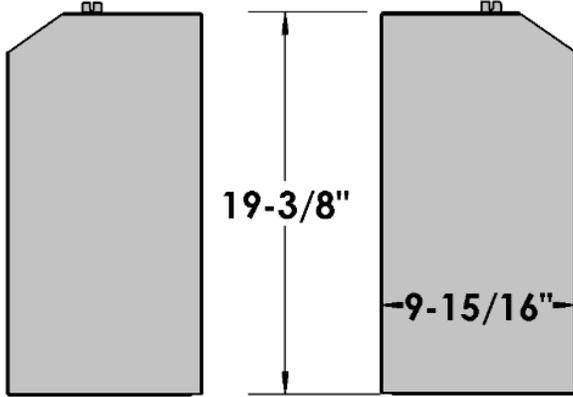
LEFT SIDE END PANEL

CONTENTS:

BACK LINER X 2

RIGHT SIDE END PANEL

⚠ **Note: Warping and Discoloration of Porcelain or Painted Metal Liners Is Not Covered Under Warranty.**
Both Porcelain and Painted Metal Liners may discolour and warp during normal operation of your appliance. This is normal, and not considered a defect.

NOTE: If using VLBGCK CORNER KIT, DO NOT USE Inner Liner Panel from Corner Kit. Remove if installed.

Porcelain Back Liners must be installed first.

STEP ONE: Remove and discard Liner Clips but **Keep Screws**.

NOTE: if you are using *VLBGCK CORNER KIT,* only one End Panel will be used.

Remove and Discard Liner Clip
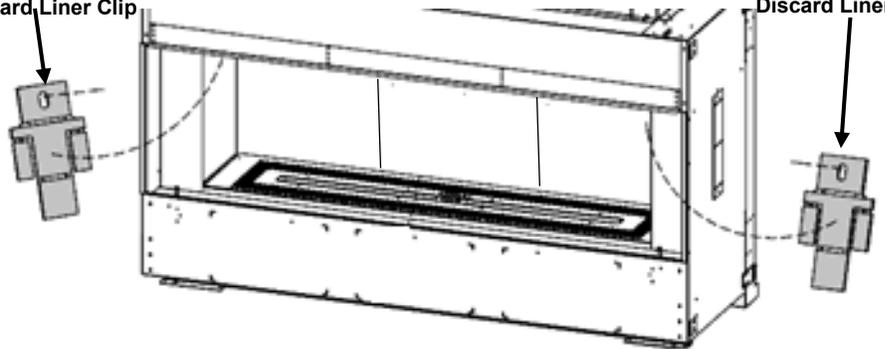
Remove and Discard Liner Clip

STEP TWO: Insert Side Panel into Firebox. Place Bottom against end wall of Firebox and tilt into place. Attach with DT Screws.
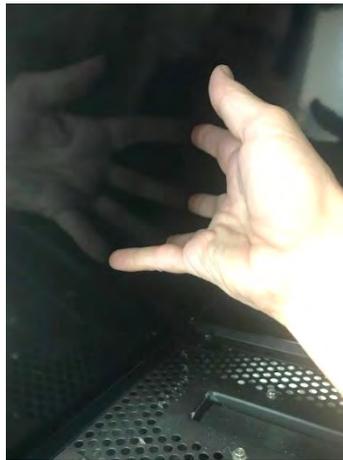
DT Screws

STEP THREE: Fasten top of panel with One DT Screw.

DT Screw

MQVL60RGB - BACK PANEL KIT

CONTENTS:

GLASS BACK LINER X 3

19-7/8"

19-7/8"
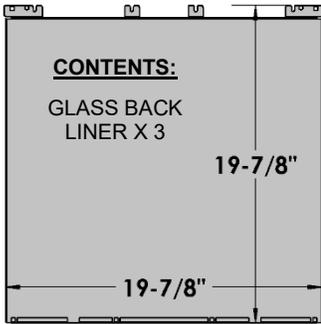
NOTE: Install MQVL60RGB **Before** installing MQVL48RGE End Panel Kit.

STEP ONE: Remove Liner Clip and screws from inside of firebox with a 1/4" hex driver. Discard Back Clip but **Keep Screws.**

⚠ **CAUTION**
-NOT TEMPERED GLASS-
-EXTREMELY FRAGILE-
– HANDLE WITH CARE-
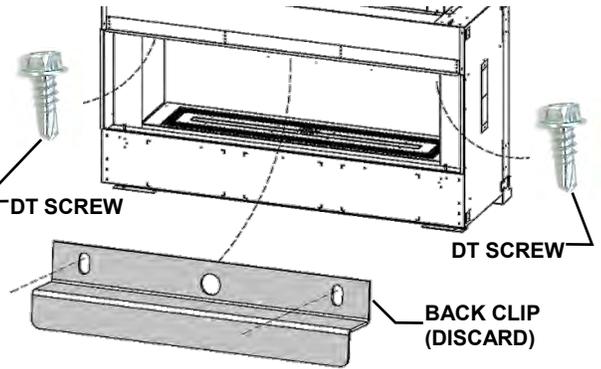
DT SCREW

DT SCREW

BACK CLIP (DISCARD)

STEP TWO: **Remove Media Fence frim Media Tray** with [Qty 3] Lower Liner Clips Attached.

MEDIA FENCE

LOWER LINER CLIP (X3) NOT REQUIRED

LOWER LINER CLIP AT ENDS

MEDIA FENCE

LOWER LINER CLIP AT CENTER

MEDIA FENCE
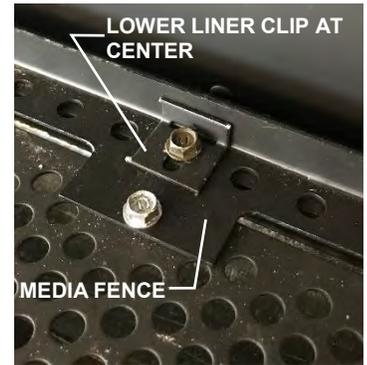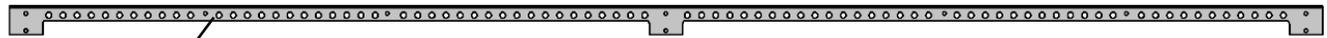
STEP THREE: Install one Glass Back Liner at each end of the firebox. Attach with 1 DT Screw on top corners and 2 at bottom.

TOP CORNERS

BOTTOM CORNERS
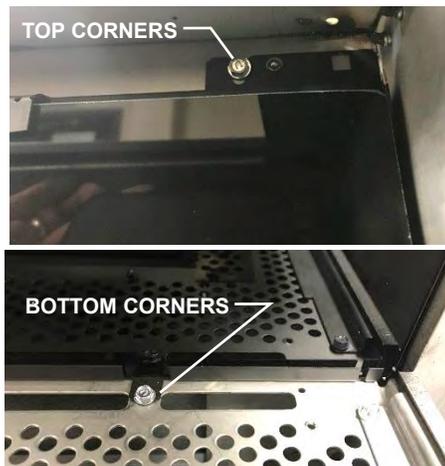
STEP FOUR: Install remaining Glass Back Liner in Center Position in firebox. Attach with 2 DT Screws on top and 2 at bottom.

TOP OF FIREBOX

STEP FIVE: Reinstall Media Fence as shown, with one row of slots exposed.

SLOTS

LOWER LINER CLIP AT ENDS- NOT REQUIRED

MEDIA FENCE

SLOTS

LOWER LINER CLIP AT CENTER- NOT REQUIRED

MEDIA FENCE
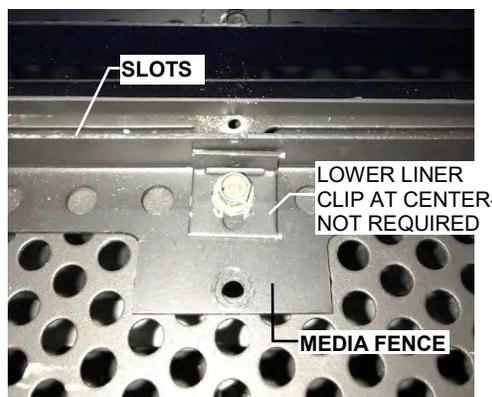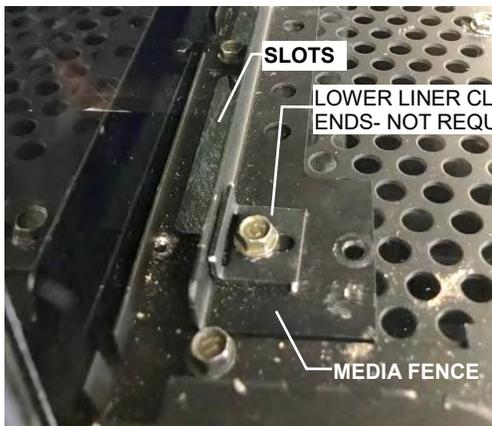
You are now ready to install MQVL48RGE if desired.

⚠ **Note: Discoloration of Glass Liners Is Not Covered Under Warranty.**
Glass Liners may discolour during normal operation of your appliance.
This is normal, and not considered a defect.

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-MQVL48RGE - END PANEL KIT

LEFT SIDE GLASS END PANEL

RIGHT SIDE GLASS END PANEL

19-3/8"

9-7/8"
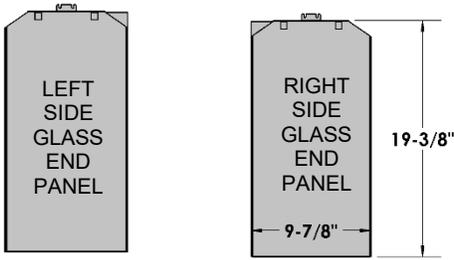
⚠ **CAUTION – NOT TEMPERED GLASS-
EXTREMELY FRAGILE – HANDLE WITH CARE**

NOTE: Back Glass Liners must be installed first.

NOTE: If using VLBGCK CORNER KIT and you are **NOT** installing a Glass End Panel, install Inner Liner Panel from Corner Kit before Glass Back Liner. However, if you **ARE** installing a Glass End Panel, do not install Inner Liner Panel from the Corner Kit.

STEP ONE: Insert Left Panel into firebox. Tilt top of panel against left side wall of firebox.

STEP TWO: Lift panel in order to place slot in End Panel over Flange on False Bottom.

GLASS

FALSE BOTTOM FLANGE

PANEL SLOT

GLASS BACK LINER

LEFT SIDE END PANEL

LIFT AND PUSH
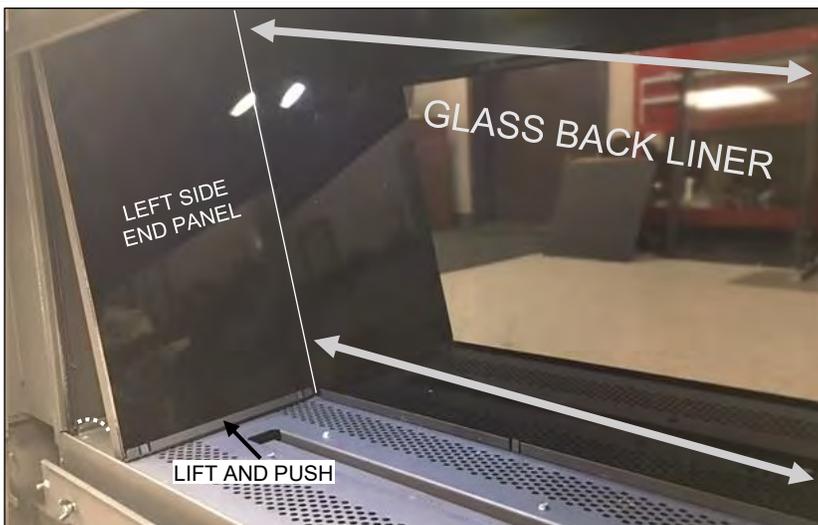
NOTE: If using with VLBGCK Corner Kit, **Metal Tab** behind Panel Slot must be cut off or Bend inward 90°.

CONTINUED ON NEXT PAGE

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STEP THREE:

Engage Front Slot of Tab with DT Screw in side wall of firebox. There is no bottom attachment Screw.

FRONT
OF
FIREBOX

TAB

LEFT SIDE
END PANEL
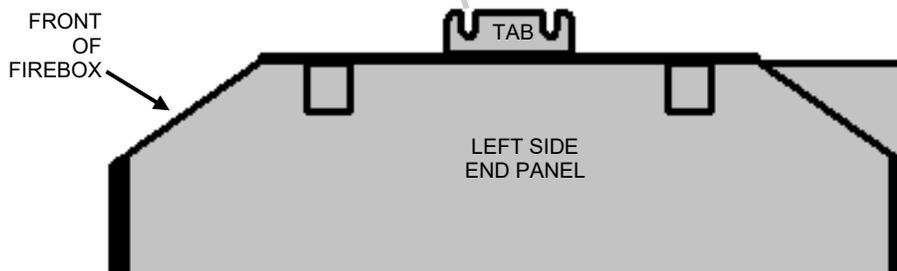
Repeat actions for other side.

NOTE: if you are using *VLBGCK CORNER KIT,* only one End Panel will be used.

⚠ Note: Discoloration of Glass Liners Is Not Covered Under Warranty.
Glass Liners may discolour during normal operation of your appliance.
This is normal, and not considered a defect.

-MQVL60RLSB- BACK LINER KIT

BACK LINER
X 2

Liners are
Identical
No Left or
Right
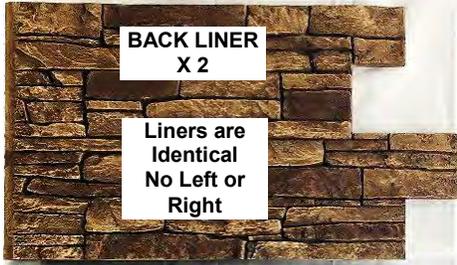
-MQVL48RLSE- END LINER KIT

RIGHT
SIDE
END
PANEL

LEFT
SIDE
END
PANEL
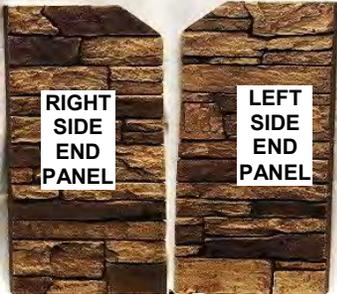
NOTE: If using **VLBGCK CORNER KIT**, remove *Inner Liner Panel* from Corner Kit if installed.

STEP ONE: Prepare the fireplace.
Remove Upper Liner Clips from inside of firebox with a 1/4" hex driver.
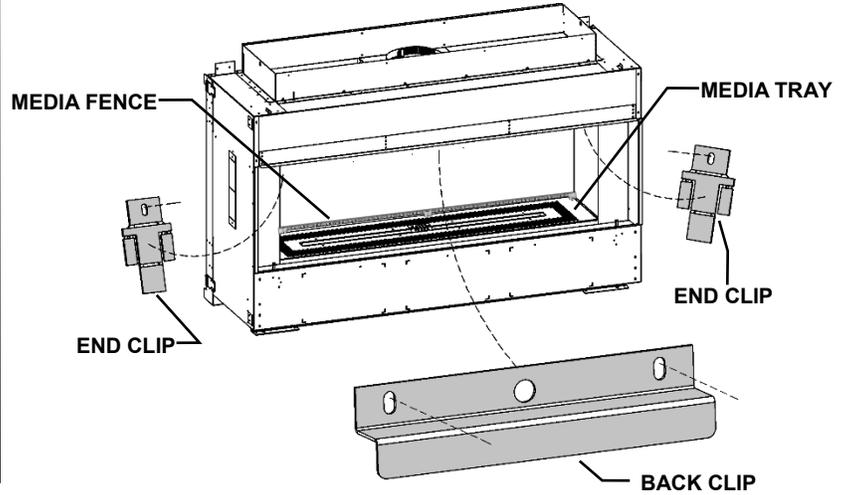
MEDIA FENCE

MEDIA TRAY

END CLIP

END CLIP

BACK CLIP

STEP TWO: Remove Media Fence frim Media Tray with [Qty 3] Lower Liner Clips Attached.

MEDIA FENCE

LOWER LINER CLIP (X3)

LOWER LINER CLIP
AT ENDS

MEDIA FENCE

MEDIA FENCE

LOWER LINER CLIP
AT CENTER
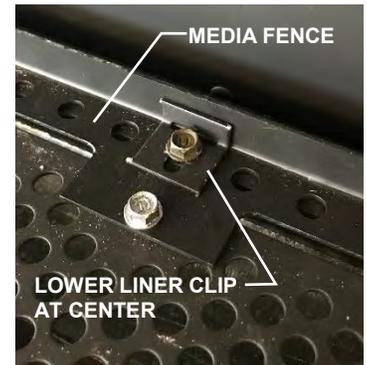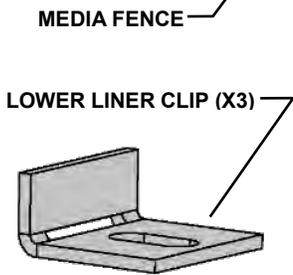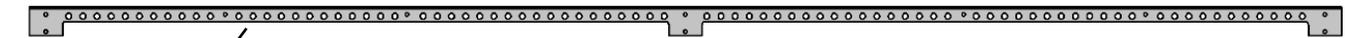
STEP THREE: Install Back Liners.

Reinstall *Back Clip* with [Qty 2] DT Screws.

BACK CLIP

Step Five Reference Drawing

REINSTALL INTO
SAME HOLE IN
FIREBOX

BEND END CLIP
INTO SHAPE

RIGHT SIDE
END PANEL

MQVLBG60 WITH
VLBGCK CORNER
KIT SHOWN

BACK LINERS
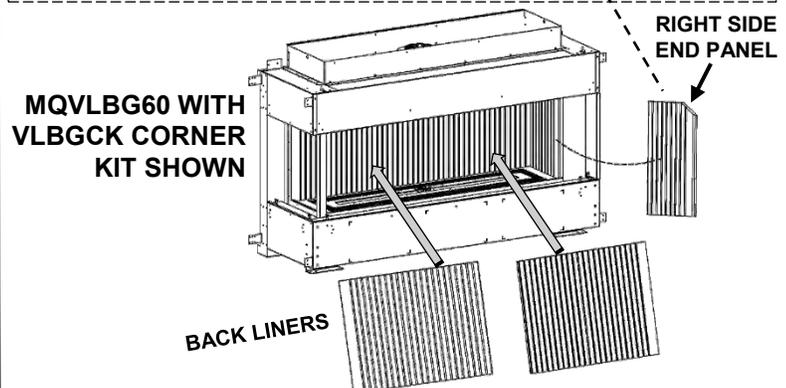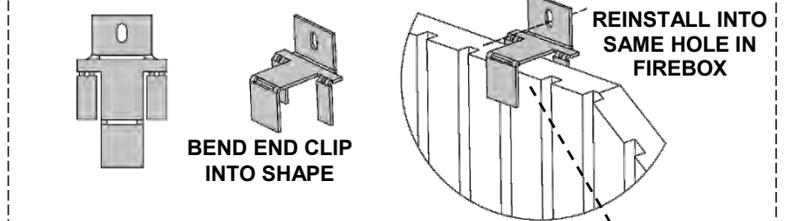
STEP FOUR: Install Lower Liner Clips [x3]. Reinstall Media Fence as shown, with one row of slots exposed.

LOWER LINER CLIP (X3)

LOWER LINER CLIP AT ENDS — SLOTS

MEDIA FENCE

SLOTS

LOWER LINER CLIP AT CENTER

MEDIA FENCE
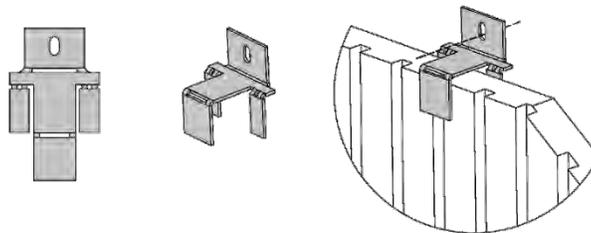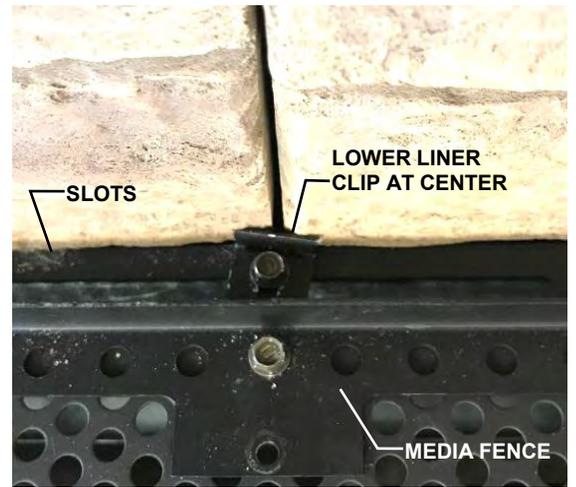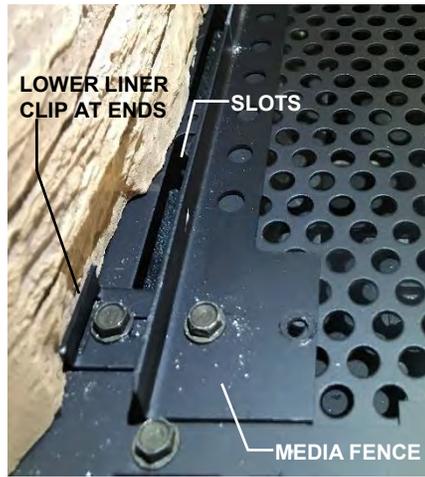
STEP FIVE: Install Side Liners. Reinstall End Clips with DT Screws.
See Step Five Reference Drawing on Previous Page.

⚠ **Note: Discoloration of Liners Is Not Covered Under Warranty.**

Liners may discolor during normal operation of your appliance. This is normal, and not considered a defect.

The following Accessories are available through MQ Dealers only.

ACCESSORY ITEM	DESCRIPTION
MQG5C	Decorative Ember Glass –Bronze
MQG5W	Decorative Glass 1/2" White
MQG5A	Decorative Ember Glass Cobalt Blue
MQG5B	Decorative Ember Glass - Black
MQG5ZG	Decorative Glass- Zircon Glacier Ice

Use of any other glass can alter the performance of the unit and is not covered under warranty.

Discoloration of Glass Media may occur if placed on the burner, this is not covered under warranty.

CRUSHED GLASS MEDIA

Spread the glass embers onto the false bottom and burner.
Ensure the glass embers do not excessively overlap as this will affect the flame pattern. Use care when placing glass embers near the pilot area so as not block or have the glass fall over the crossover holes from the pilot to the burner, as delayed ignition can occur.

The following types of glass are approved:
- **½" Ember Glass Material from American Fireglass.**

Maximum amount: Natural Gas is 15 lbs, Propane units 10 lbs.
- **Liquid Glass from Firegear.**

Maximum amount: Natural gas is 15 lbs, not recommended for Propane appliances.

*Pilot Shield should be visually inspected monthly for signs of deterioration due to flame exposure. Replace if necessary.

Pilot Area Must Not Be Covered

Fill area between Media Fences Only with a single layer of crushed glass. Do not over fill.

- **MQ46D Driftwood Log Set- 3pcs.**

⚠ NOTE

- **Pilot Area Must Not Be Covered, as delayed ignition can occur.**
- **Do Not Cover any part of the burner tube with logs as sooting may occur.**
- **For best flame pattern it is essential to spread supplied 1/2" Crushed Glass or MQEMBER chunks directly onto burner tube.**

- Place **Log 1** on left side of fireplace against the back wall of the firebox.
- Place **Log 2** on the right side of fireplace against the back wall of the firebox and onto Log 1 as shown.
- Place **Log 3** in front of the burner in the center of fireplace as shown.

   **Can be used with MQ Glass, MQ Rock, MQ Stone or MQ Ember. Follow instructions for these accessories.**

- **MQROCK2, MQROCK3, MQRBD1 -** Place rocks randomly onto False Bottom.
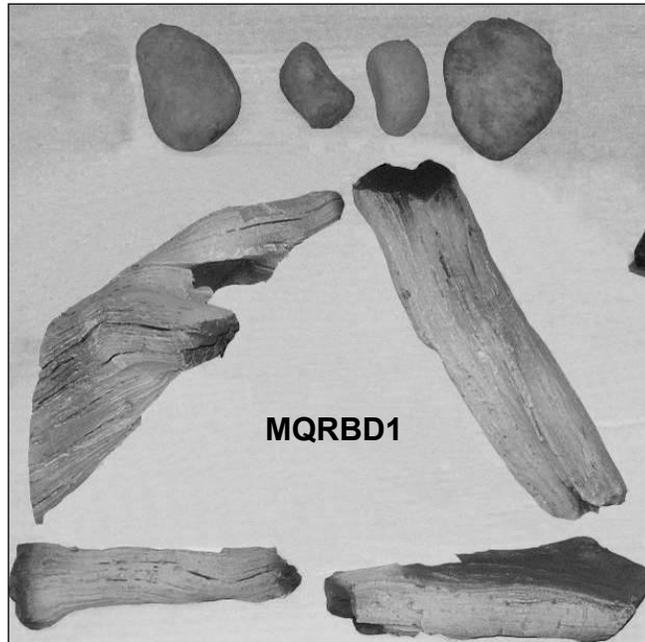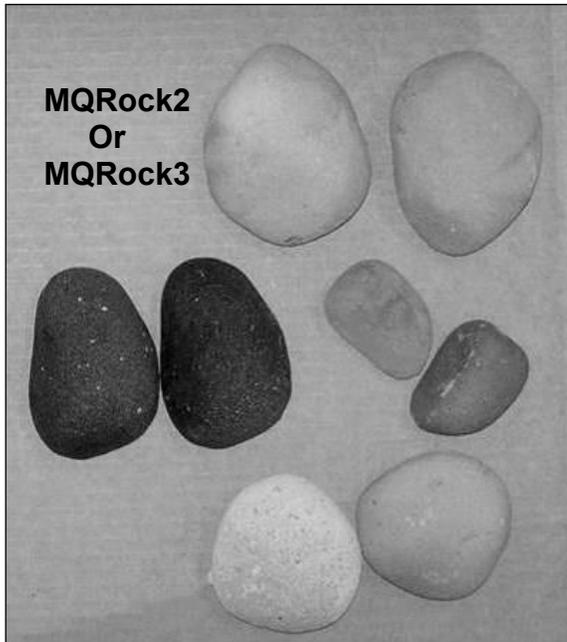
MQRock2
Or
MQRock3

MQRBD1

⚠ NOTE

- Pilot Area Must <u>Not</u> Be Covered, as delayed ignition can occur.
- Do Not Cover any part of the burner tube with logs as sooting may occur.
- For best flame pattern it is essential to spread supplied Bronze Glass directly onto burner tube.

- **MQ STONE DECORATIVE STONE SET-** Place Stones onto False Bottom randomly. Do <u>Not</u> cover Pilot Area. Not all stones will be used on some models.

- **MQEMBER-** Place these glowing ember chunks randomly. Embers may be used with or without other accessories.

MQRBD3   -5 Piece Driftwood Log Set-   OPTION

Can be used with MQ Glass, MQ Rock, MQ Stone or MQ Ember. Follow instructions for these accessories.

LOG 1

LOG 2

LOG 3

LOG 4

LOG 5

- Logs as Shipped -

⚠ **NOTE**

- **For best flame pattern it is essential to spread supplied Crushed Glass or MQEMBER directly onto burner tube.**

- **If sooting occurs, one or more logs may be removed.**

Setup Option 1 – Top View

LOG 5

LOG 2

LOG 4

LOG 1

LOG 3

Setup Option 1- Front View

LOG 5

LOG 2

LOG 3

LOG 1

LOG 4

Setup Option 2 – Top View

LOG 5

LOG 2

LOG 1

LOG 3

LOG 4
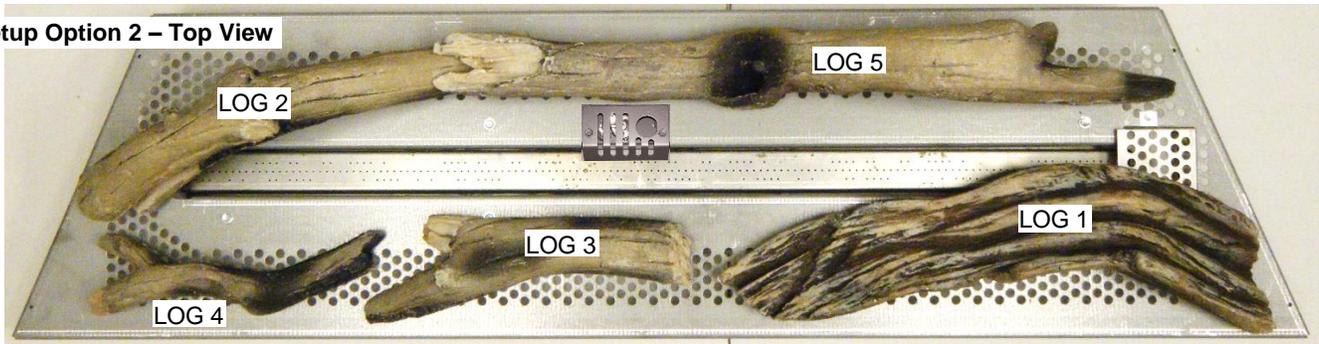
Setup Option 2 Front View
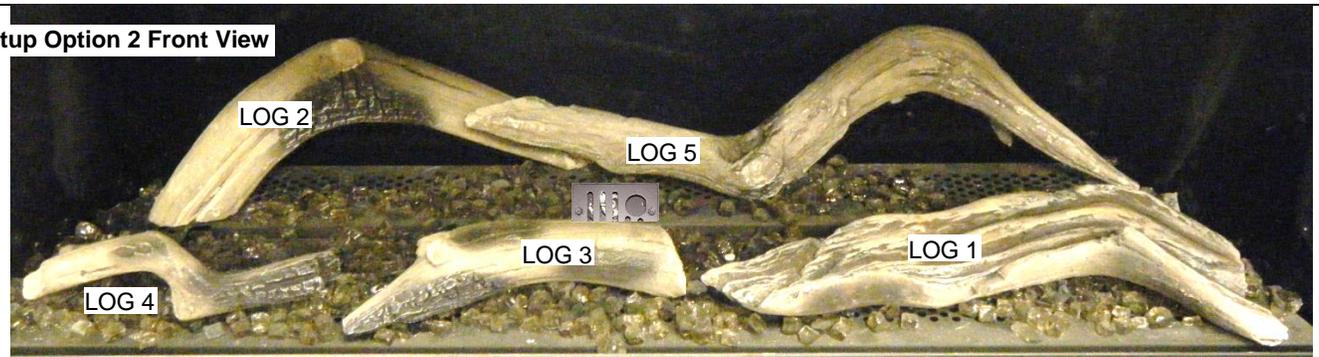
LOG 2

LOG 5

LOG 3

LOG 1

LOG 4

50

Can be used with MQ Glass, MQ Rock, MQ Stone or MQ Ember. Follow instructions for these accessories.
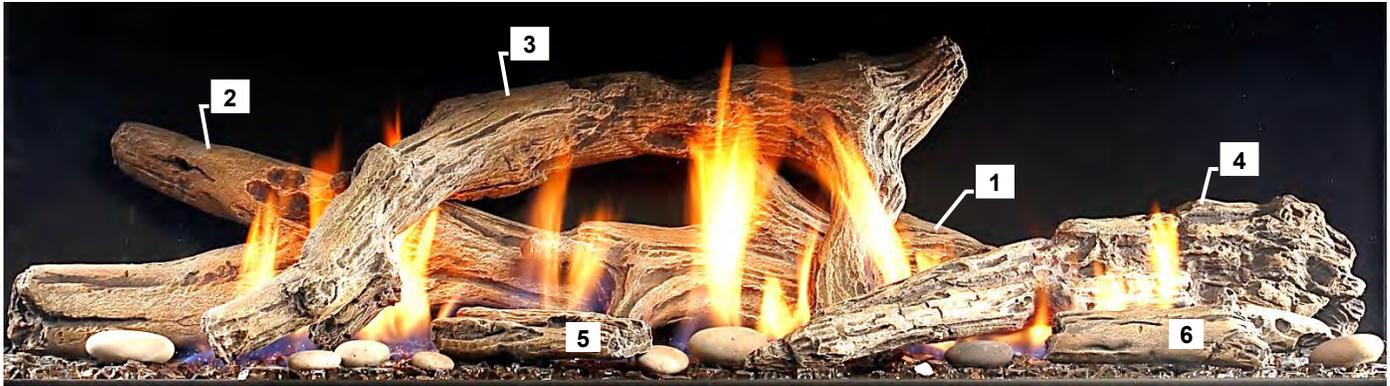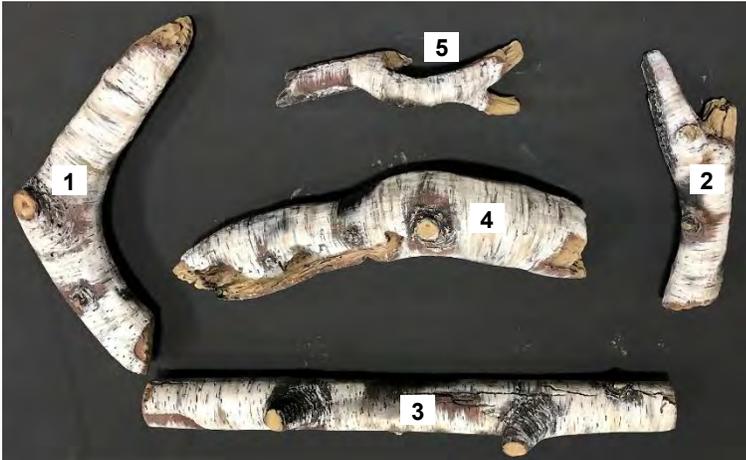
⚠ **NOTE**

- **Pilot area must not be covered, as delayed ignition could occur**

- **For best flame pattern it is essential to spread supplied Crushed Glass or MQEMBER directly onto burner tube.**

- **If sooting occurs, one or more logs may be moved.**

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This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CAN/CGA - B149.1 or .2 installation codes for Gas Burning appliances and equipment in Canada and the National Fuel Gas Code ANSI Z223 in the U.S.A.

1. The gas pipeline can be brought in through either the right or the left side of the appliance. A knockout is provided at either location to allow for the gas pipe installation and testing of any gas connection.

2. The gas control inlet is 3/8" NPT. Typical installation layout for rigid pipe is shown at right.

3. When using copper or flex connector, use only approved fittings. Always provide a union so that gas line can be easily disconnected for burner or fan servicing. See gas specification for pressure details and ratings.

4. When a vertical section of gas pipe is required for the installation, a condensation trap is needed. See CAN/CGA-B149.1 or .2 for code details.

3/8" UNION

1/2" X 3/8" SHUTOFF VALVE

1/2" GAS SUPPLY
1/2" GAS SUPPLY

3/8" NIPPLE
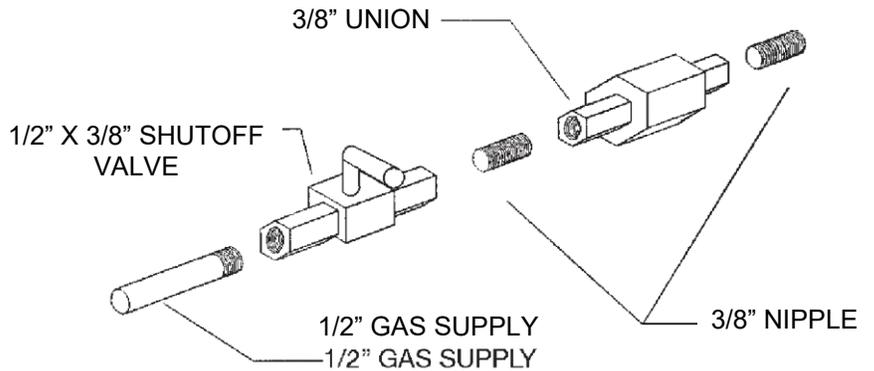
5. For natural gas, a minimum of 3/8" iron pipe with gas minimum pressure of 4.5" w.c. must be used for supply from the gas meter. Consult with the local gas utility if any questions arise concerning pipe sizes.

6. A 1/8" NPT plugged tappings are accessible for test gauge connection both on the inlet and outlet of the gas valve.

7. Turn the gas supply ON and check for leaks. DO NOT USE OPEN FLAME FOR THIS PURPOSE. Use an approved leak testing solution.

8. The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 PSIG (3.5 KPa).

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

NOTE: The gas line connection may be made of 1/2" rigid pipe or an **Approved Kingsman Flex Connector, such as FP15GC**. Since some municipalities have additional local codes, it is always best to consult your local authorities and the current CAN/CGA - B149.1 or .2 installation code in Canada or the National Fuel Gas code ANSI Z223.1 in the U.S.A

For the state of Massachusetts a <u>T-handle gas shut-off</u> valve must be used on a gas appliance. This T-handle gas shut-off valve must be listed and approved by the state of Massachusetts. This is in reference to the state of Massachusetts state code CMR238.

Important: Always check for gas leaks with a soap and water solution. Do not use open flame for leak testing.

Shutoff valves installed in tubing systems shall be rigidly and securely supported independently of the tubing.

Gas Specifications

MODELS	MQVL60N MQVL60NE MQVL60NE2	MQVL60LP MQVL60LPE MQVL60LPE2	MQVLBG60N MQVLBG60NE MQVLBG60NE2	MQVLBG60LP MQVLBG60LPE MQVLBG60LPE2
Fuel	Natural	Propane	Natural	Propane
Gas Control	IPI	IPI	IPI	IPI
INPUT				
Maximum	45,000 BTU	44,000 BTU	45,000 BTU	44,000 BTU
Low	29,000 BTU	34,000 BTU	29,000 BTU	34,000 BTU
Orifice Size (0-4500ft)	#29	#46	#29	#46
Air Shutter	1/8"	Fully Open	1/8"	Fully Open

Gas Inlet Size S.I.T. 820 Nova, 3/8" NPT			
Gas Supply Pressure	Minimum	Normal	Maximum
Natural Gas	5"	7"	9"
Propane	11"	11"	12"
Manifold Pressure	Natural Gas	Propane	
Manifold Pressure High	3.5 IN. W.C./.87 KPa	10 IN. W.C./2.61 KPa	
Manifold Pressure Low	1.6 IN. W.C./.40 KPa	6.3 IN. W.C./1.57 KPa	

Annual Inspection List for Determining Safe Operation of a Direct Vent Gas Fireplace

Refer to this checklist for proper maintenance, safe use, and operation.

**See each section for more specific information.**

1. Inspect and operate all pressure relief mechanisms (i.e., relief dampers, spring loaded door latches) installed on your appliance to verify relief mechanisms are free from obstruction to operate.

Relief Dampers inside Firebox should open and close freely.

Upper Damper

Upper Door Latch

Upper Damper

Spring loaded Door Latches should extend and return to the closed position.

Lower Damper

Lower Door Latch
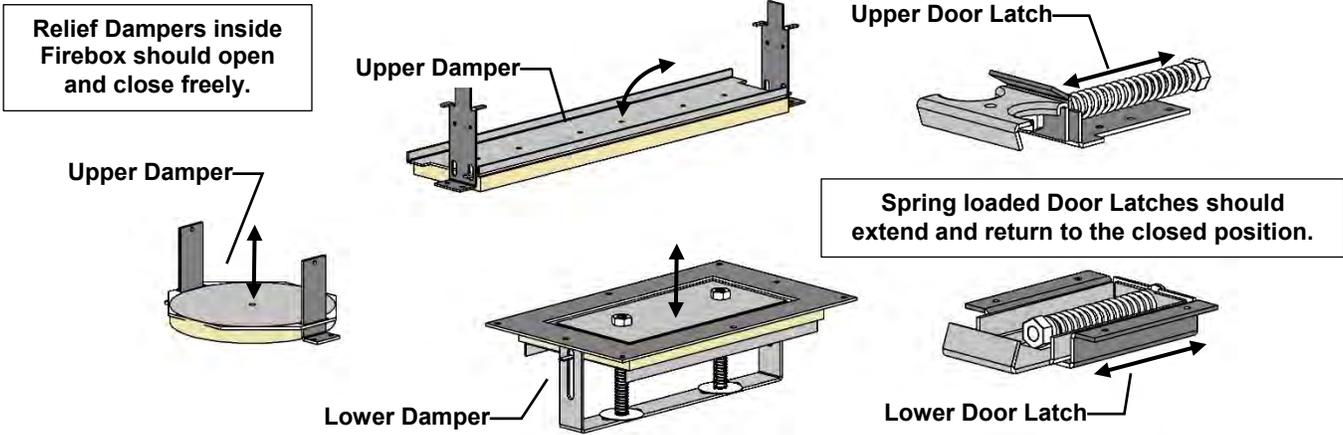
2. Clean glass window with a suitable fireplace glass cleaner. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.

3. Inspect the operation of the Pilot. Ensure that it is working properly.

Pilot Orientation (Top View)

Burner

Inspect Pilot Flame
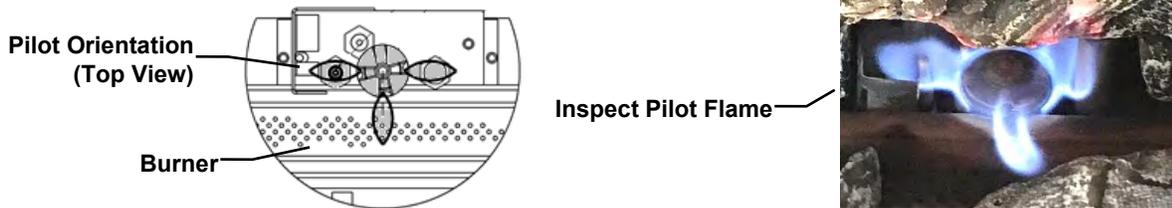
4. Inspect and ensure the lighting of the main burner occurs within 4 seconds of the main gas valve opening. Visual inspection should match that outlined in the appliance instruction manual (refer to *Monthly Flame Inspection*). Inspect primary air openings for blockage.

Primary Air Opening Inspect for Blockage
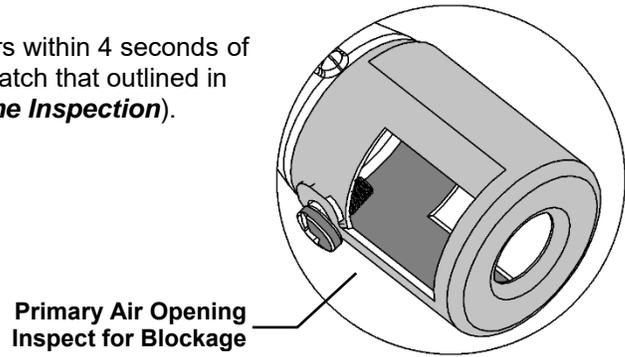
5. Inspect condition of vent and vent terminal for sooting or obstruction and correct if present.

6. Vacuum and clean any debris in the firebox that is not supposed to be there.

7. Test and measure the flame failure response time of the flame safety system. It must de-energize the safety shutoff in no more than 30 seconds.
   Procedure for Millivolt Units: Turn on fireplace for 5 minutes. Shut off fireplace while listening to valve. A "click" should be heard within 30 seconds. This indicates the safety shutoff is working properly.

   Procedure for IPI Units: Turn on fireplace and allow main burner to come on. Then disconnect Flame Sense wire from IPI Module (X3 Connection). The fireplace should shut down immediately.

8. Check all accessible gas-carrying tubes, connections, pipes and other components for leaks.

Troubleshooting the Gas Control System

⚠ WARNING

BEFORE DOING ANY GAS CONTROL SERVICE WORK, REMOVE THE GLASS FRONT.
NOTE: Before troubleshooting the gas control system, be sure external gas shut off is in the "On" position.

Problem	Possible Causes	Corrective Action
Spark igniter will not light.	Defective or misaligned electrode at pilot.	Check for spark at electrode and pilot: if no spark and electrode wire is properly connected, replace igniter.
	Defective igniter (push-button).	Using a match, light pilot. If pilot lights, turn off pilot and push the red button again. If pilot will not light - check gap at electrode and pilot should be 1/8" to 1/4" to have a strong spark.
Pilot will not stay lit after carefully following lighting instructions.	Defective thermocouple (flame switch where applicable).	Check pilot flame. Must impinge on generator and thermocouple. Clean and/or adjust pilot for maximum flame impingement on generator and thermocouple. Replace thermocouple if pilot will not hold. (Hand tight 1/8 turn on replacement)
	Defective valve magnet.	Replace valve, if pilot won't hold after the thermocouple is replaced.
Pilot burning, no gas to burner, valve knob "ON", and wall switch "ON".	Wall switch or wires defective.	Check wall switch and wires for proper connections. Jumper wire across terminals at wall switch. If burner comes on, replace defective wall switch. If okay, jumper wires, across wall switch wires at valve. If burner comes on, wires are faulty or connections are bad.
	Generator may not be generating sufficient voltage.	Check generator with millivolt meter. Take reading at generator terminals of gas valve. Should read 325 millivolts minimum while holding valve knob depressed in pilot position and wall switch "off" Replace faulty generator if reading is below specified minimum.
	Plugged burner orifice.	Check burner orifice for stoppage and remove.
	Defective automatic valve operator.	Remove wall switch wires from gas valve. Install jumper wires from top bottom terminals of gas valve. Turn valve on "ON". If main burner does not light, replace valve.
Frequent pilot outage problem.	Pilot flame may be too low or blowing (high) causing the pilot safety to drop out.	Clean and/or adjust pilot flame for maximum flame impingement on generator and thermocouple. *See NOTE below – Seven Day Timer
Flame lifts off burner and goes out in less than 30 seconds.	Inner 4" liner has come off flue or termination, flame is starving for oxygen.	Attach 4" liner to flue or termination using screws, silicone and clamps as stated in manual.
Flame lifts off burner on one side while the rest of the flame remains lit.	Improper installation of firebrick. Firebrick is likely leaning.	Be sure to position firebrick against firebox walls and be sure to use brick clips attached to the inner side of firebox.

*NOTE: The pilot system for this appliance may be equipped with a <u>**Seven Day Timer**</u>, in which case the pilot flame will be extinguished if the main burner has not been turned ON for seven days.

This Seven Day Cycle is reset every time the main burner is cycled ON / OFF and the pilot remains lit.

If more than seven days has passed since the main burner has been cycled ON / OFF and the pilot is also out, follow the procedures described in this manual to light the pilot.

NOTE: MILLIVOLT UNITS WITH 7 DAY TIMER – When lighting pilot, the Pilot Knob must be pressed until a **BEEP** is heard. This procedure may take up to **TWO MINUTES.**

It is recommended to annually inspect and clean the Burner System to prevent malfunction and / or sooting. This operation should be performed by your dealer or a qualified technician.

> ## ⚠ -CAUTION-
>
> Before servicing the burner system ensure that the gas supply is turned OFF and disconnect all electrical connections to the appliance. Allow the appliance to cool to room temperature. Note that the pilot assembly may be hot in an intermittent or standing-pilot system—even if the main burner was never on. Exercise caution when working within the area.
>
> **-ALL WORK SHOULD BE PERFORMED BY A QUALIFIED AND CERTIFIED TECHNICIAN-**

Monthly Flame Inspection

It is recommended to turn on the unit at least once a month and inspect the flame pattern to ensure there are no problems with the burner tube (Flame should appear similar to the above picture).

The pilot flame should also be inspected monthly to ensure proper operation.
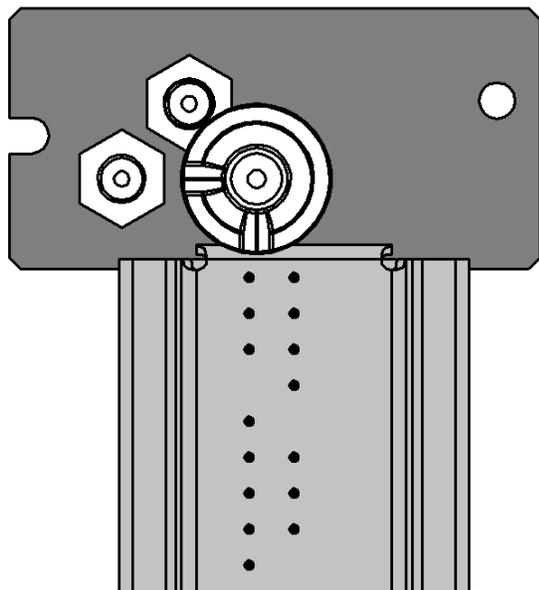
Pilot Must Maintain This Relationship With Burner.
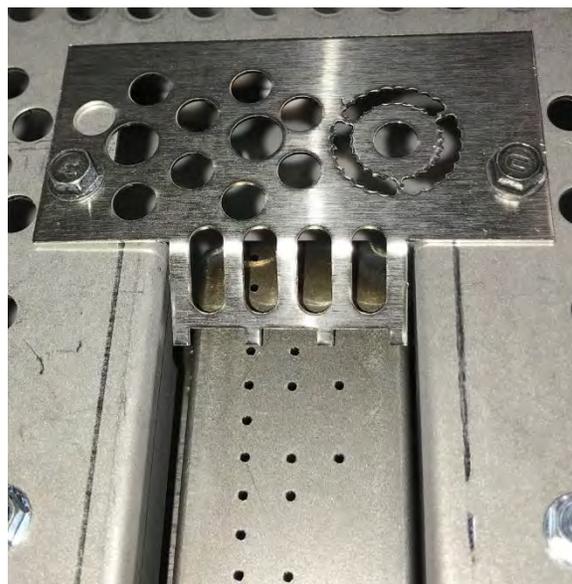
Pilot Area Must Not Be Covered.

*Pilot Shield should be visually inspected monthly for signs of deterioration due to flame exposure. Replace if necessary.

Gas Conversion Part A MQVL60 / MQVLBG60

Models: MQVL60NE2, MQVL60LPE2, MQVLBG60NE2, MQVLBG60LPE2

Kit Number	Description	Pilot Orifice	Burner Orifice Brass (1000-255)	Brass Nipple	Air Shutter	Hi/Lo Regulator
60VL-CKLP2	Propane Conversion -IPI-	1001-P168SI **#35** (977.168)	#46	1000-253 Closed	Fully open	1002-P012SI (907.012)
60VL-CKNG2	NG Conversion -IPI-	1001-P166SI **#62** (977.166)	#29	1000-253 Closed	1/8"	1002-P013SI (907.013)
IMPORTANT: Always check for gas leaks with a soap and water solution. DO NOT USE OPEN FLAME FOR LEAK TESTING.						

Parts List:

- HI/LO Pressure Regulator Assembly
- Pilot Orifices
- [1] Burner Orifice
- [1] Brass Nipple
- Instructions
- Conversion Kit Label
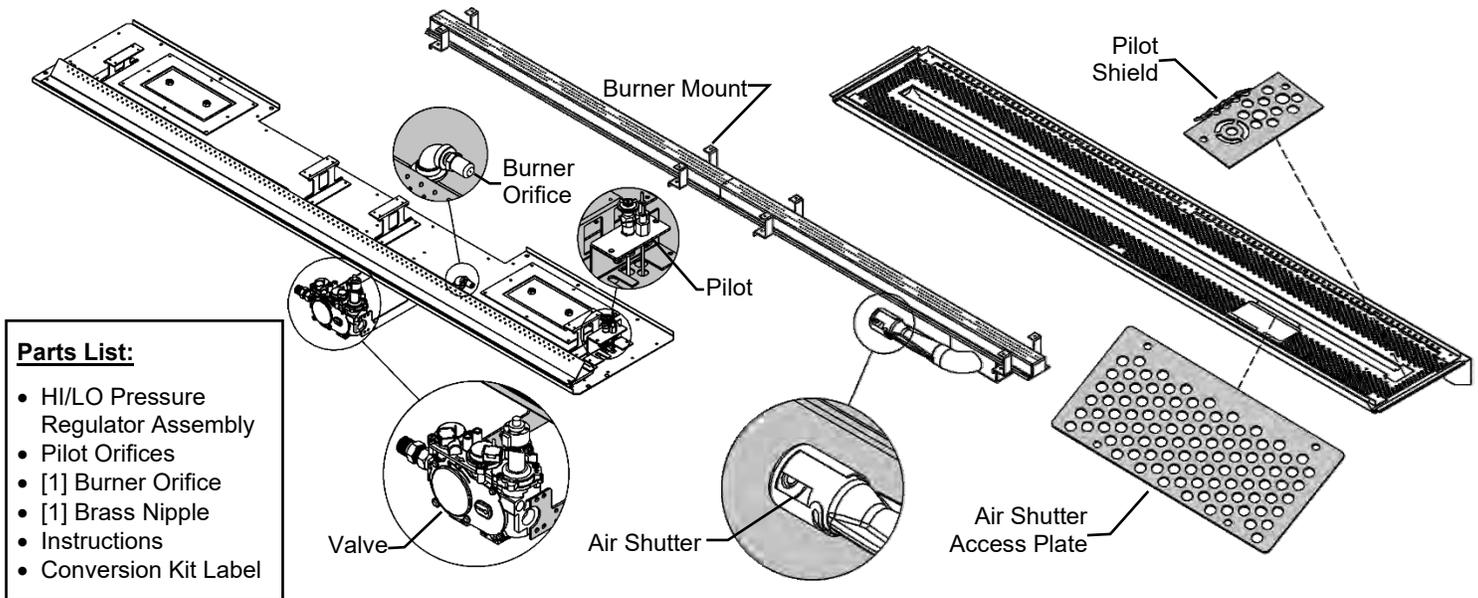
⚠ Caution:

The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.

1. The Burner Tube must be removed from the Burner Pan Assembly (See **Burner Tube Removal**). Adjust the Air Shutter to the correct Primary Air setting as specified in the manual or on the label plate. To adjust the Primary Air setting, loosen screw on the side of the Air Shutter and rotate to the correct opening using a drill bit or tape measure. Retighten screw.

2. Remove the Main Orifices using a ½" wrench and replace with the new Conversion Orifices which came with the Conversion Kit.

3. Replace the Burner Tube. Install the new Pilot Orifice (See **Pilot Conversion**) and Hi/Lo valve regulator by following instructions supplied with the Conversion Kit.

Pilot Must Maintain This Relationship With Burner.
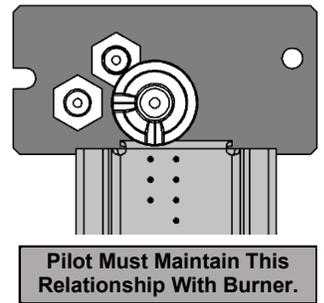
Refer to "Gas Specifications Chart" for inlet pressures and input ratings. Clock meter to verify input rate. Place conversion label as close to converted gas control as possible. Refer to lighting instructions to verify the normal operating sequence of the ignition system.

⚠ -Warning-

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Instructions for converting SIT 190 series pilot burner injector from NG to PROPANE and from PROPANE to NG only. This information should be considered as supplemental to the Appliance Manufacturer's Instructions.
**WARNING! The installation of this conversion kit must only be undertaken by a qualified and certified gas appliance installer.**

1. Shut-off the gas supply to the appliance.
2. Allow the pilot burner to cool to room temperature.

   WARNING: Touching a hot pilot burner can result in injury.

3. The pilot hood is held in place by spring. First remove the spring, then remove the hood by pulling it up from the pilot bracket (fig. 1).
4. Insert a 5/32" or 4 mm Allen wrench into the hexagonal key-way of the injector (fig. 2), and rotate it counter-clockwise until it is free of the injector journal.
5. Verify that the new injector is proper for the application. The injector size is stamped on the side of the injector near the top. Propane injectors have a groove machined around their circumference near the top, while NG injectors do not have a groove (fig. 4). Refer to the Appliance Manufacturer's instruction sheet for the proper injector size.
6. Insert the Allen wrench into the end of the injector. Then, insert the injector into injector journal, and rotate the injector clockwise until a torque of 9 lbf in (1.0 Nm) is achieved.
7. First replace the pilot hood by aligning the tab on the base of the hood with the slot in the side of the pilot journal, and push the hood down, onto the pilot bracket (fig. 3). The hood must sit squarely on the bracket for proper operation. Then replace the spring by pushing it on his seat (fig.3). Check to insure that the hood is properly seated onto the pilot bracket and that the spring is properly inserted onto his seat.
8. Restore the gas supply to the appliance, and ignite the pilot burner. Verify proper ignition and operation.

fig. 1

fig. 2

fig. 3

Injectors

LPG   NG
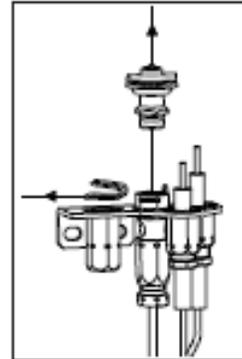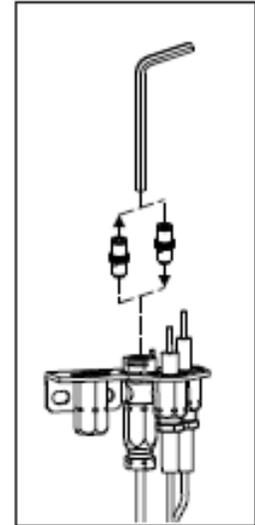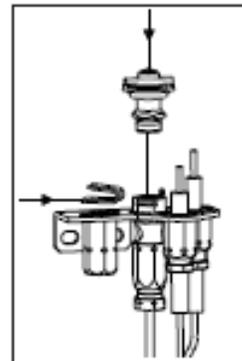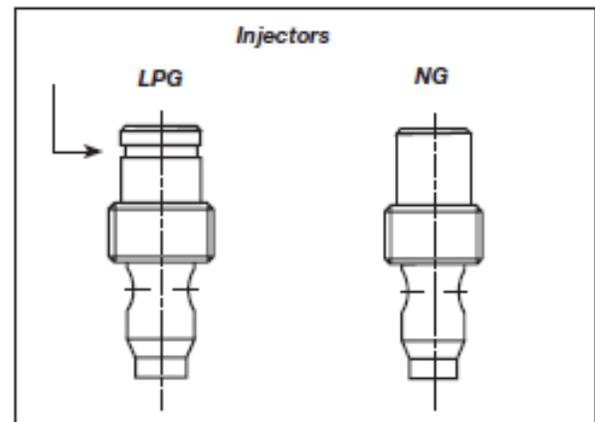
fig. 4

WARNING!

This conversion kit must ONLY be applied as part of a conversion kit supplied by the APPLIANCE MANUFACTURER for the specific appliance, and type of gas, being converted.

SIT GROUP
www.sitgroup.it

installationinstructions

820 NOVA mV
Modulating Conversion Kit

7.252.136

MODULATING PRESSURE REGULATOR CONVERSION KIT INSTALLATION OR REPLACEMENT INSTRUCTIONS.

1 Turn control knob to the OFF position, and shut off the gas supply to the valve.

2 Using a Torx T20, or slotted screwdriver, remove and discard the three pressure regulator mounting screws (A), pressure regulator tower (B), and the spring and diaphragm assembly (C).
(If applicable)

3 Insure that the rubber gasket (D) is properly positioned and install the new modulating pressure regulator assembly to the valve using the new screws (E) supplied with the kit. Tighten screws securely.
(Reference torque = 25 In.Lb.)

4 Install the enclosed identification label (F) to the valve body where it can be easily seen.

5 Apply gas to system and re-light appliance according to manufacturers instructions.

6 With the main burner "ON", test the new pressure regulator assembly for leaks using a soap solution.

**7** Relight the main burner in both the HI and LO positions, and verify proper burner ignition and operation.

SIT Group

MQVL60 / MQVLBG60   False Bottom Removal (Media Tray)

In order to access the Burner Tube and Burner Pan, the False Bottom must be removed.

STEP 1 (FOR MQVLBG60 UNITS):
Remove Retainers from each end of False Bottom.
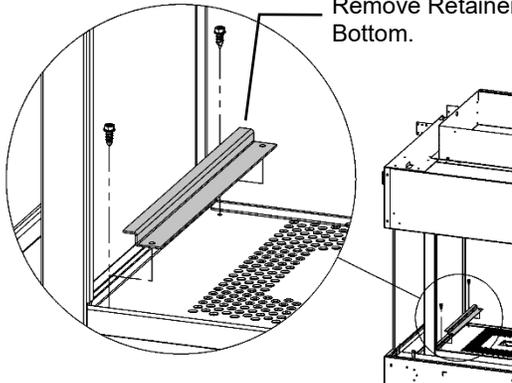
STEP 2: Remove the [Qty 8] Screws shown below.
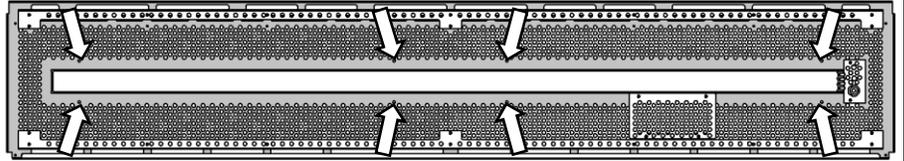
False Bottom can now be removed from fireplace.

MQVL60 / MQVLBG60   Burner Tube Removal

Burner Tube Mount Bracket

Orifice

Burner Tube

Pilot Shield

False Bottom

Air Shutter Access Plate
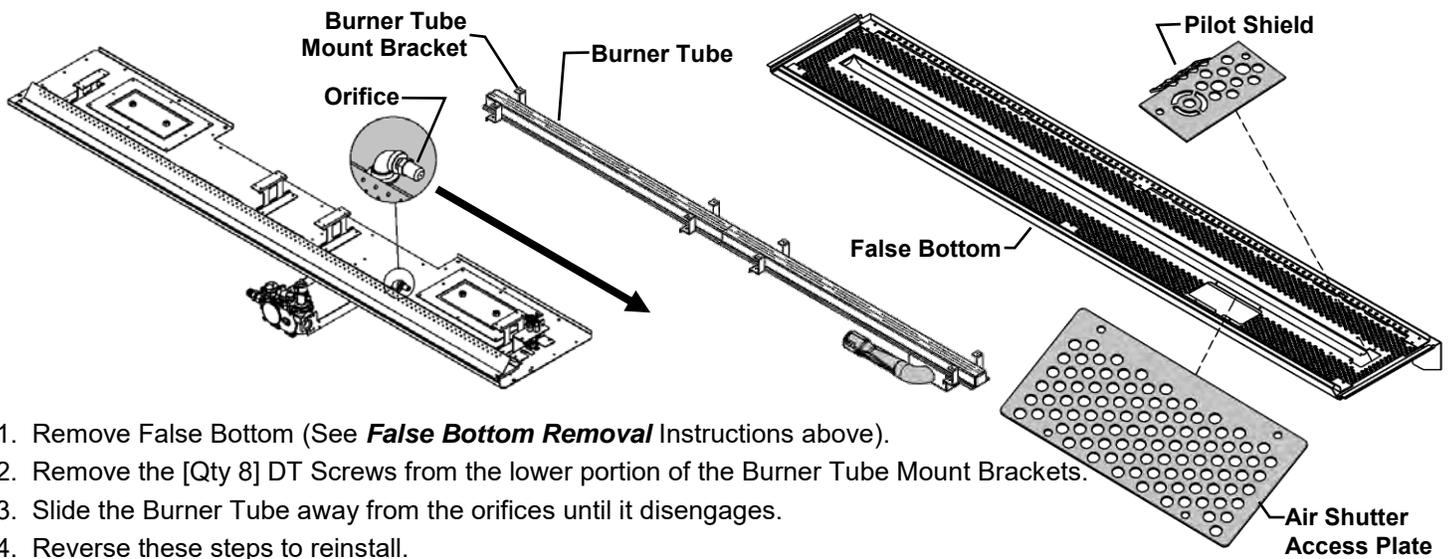
1. Remove False Bottom (See *False Bottom Removal* Instructions above).
2. Remove the [Qty 8] DT Screws from the lower portion of the Burner Tube Mount Brackets.
3. Slide the Burner Tube away from the orifices until it disengages.
4. Reverse these steps to reinstall.

MQVL60 / MQVLBG60   Burner System Removal and Installation

1. Remove False Bottom (See *False Bottom Removal* Instructions above).
2. Remove the Front Reflector.
3. Remove the DT Screws around the perimeter of the burner pan.
4. Carefully work the burner pan loose & lift the assembly upward to remove it from the firebox cavity.
5. Installation is the reverse of these steps. Ensure that the mounting surface is clean and **Mill-Pac Black** is used to reseal the burner pan.

Pilot Shield

False Bottom

Air Shutter Access Plate

Front Reflector

Burner System
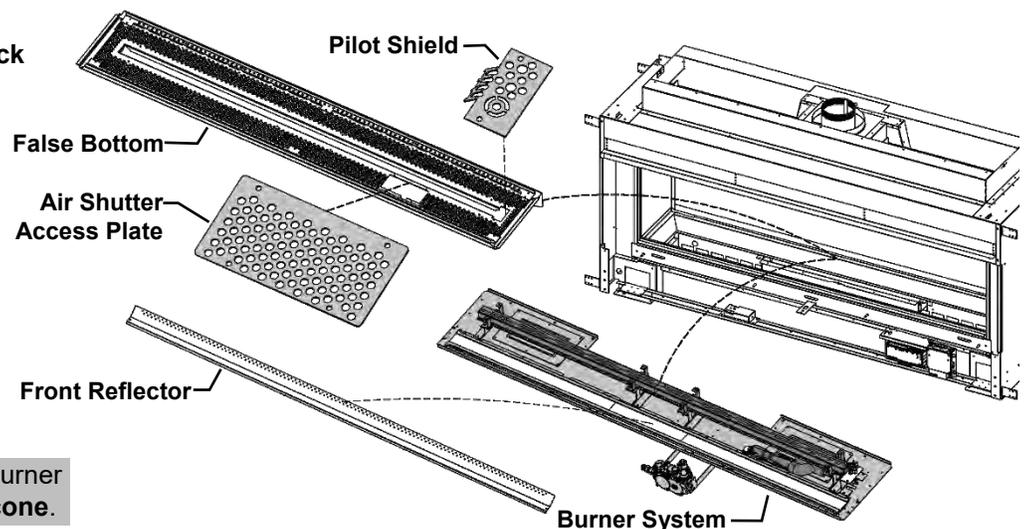
NOTE: Pilot connections through Burner Pan must be sealed with **Red Silicone**.

- IPI LIGHTING INSTRUCTIONS -

FOR YOUR SAFETY READ BEFORE LIGHTING

> **WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.**

A. This appliance is equipped with an ignition device which automatically lights the pilot. Do <u>not</u> try to light the pilot by hand.

B. **BEFORE OPERATING** smell around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS
- 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.

C. 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.

D. If the gas valve requires repair, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

OPERATING INSTRUCTIONS

1. Stop! Read the safety information above on this label.

2. Read the owner's manual including the section on "Remote Control" operation if applicable.

3. Turn off all electric power to the appliance.

4. This appliance is equipped with an ignition device which automatically lights the pilot. Do <u>not</u> try to light the pilot by hand.

LCD Display — SIT

ON/OFF Key

UP/DOWN Arrow Key(s)

THERMOSTAT Key

MODE Key

5. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above this label. If you do not smell gas, go to next step.

6. Turn on all electric power to the fireplace.

7. Turn "On" Switch that operates the Main Burner. For **Remote Control** units, press the ON/OFF key on the remote control. "ON" will be displayed on the LCD display and a "beep" will be heard at the unit to indicate the command has been received.

8. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.
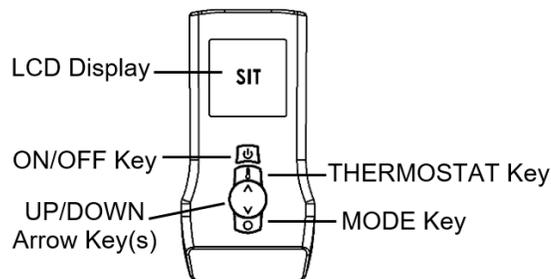
TO TURN OFF GAS TO APPLIANCE

1. Set thermostat to lowest setting.
   For **Remote Control** units, press the ON/OFF key on the remote control. "OFF" will be displayed on the LCD display and a "beep" will be heard at the unit to indicate the command has been received.

2. Turn off all electric power to the fireplace if service is to be performed.

IPI PROFLAME 2 - COMPONENT PARTS

	PART NO.	DESCRIPTION
1.	1005-P001SI	Valve IPI Proflame PF2 885.001 NG - Stepper
2.	1005-P002SI	Valve IPI Proflame PF2 885.002 LP - Stepper
3.	1005-P325SI	Module IPI - Proflame 2 - 584.325
4.	1005-P627SI	Module IPI – Proflame 2 - Basic - 584.627
5.	1005-P924SI	Harness PF2 - 584.924
6.	GTMFL	Transmitter- PF2 - 584.090 - WiFi Version
6b.	1005-P042SI	Transmitter- PF2 - 584.042 - Non-WiFi Version
6c.	1005-P080SI	Transmitter- PF2 - 584.080 - WiFi Version
For Replacement Transmitters, Replace with Same Part Number		
7.	584-PWR-C	Wire Harness PF2 – Power Cord
8.	584-X4P	Terminal Block
9.	584-X10	Wire Harness PF2
10.	584-ACC01-C	Wire Harness PF2 - Fan/Light
11.	584-X8-B	Wire Harness PF2 - Optional Reset Harness
12.	584-X12	Optional Power Vent Harness

IPI - PF1 and PF2 Common Components

	PART NO.	DESCRIPTION	
13.	1002-P033SI	TC - Pilot Burner IPI (Assembled) NG 199.033	
14.	1002-P047SI	TC - Pilot Burner IPI (Assembled) LP 199.047	
15.	1001-P166SI	TC - Orifice Pilot NG 977.166 #62 (IPI)	
16.	1001-P168SI	TC - Orifice Pilot LP 977.168 #35 (IPI)	
17.	1001-P280SI	TC - Tubing W/Fittings 1/8 2.182.280	
18.	1002-P012SI	IPI Stepper Kit - LP 907.012	**P2 CONVERSION**
19.	1002-P013SI	IPI Stepper Kit - NG 907.013	
20.	1002-P014SI	IPI Reg Kit - LP Hi-Lo 907.014	**P1 CONVERSION**
21.	1002-P016SI	IPI Reg Kit - NG Hi-Lo 907.016	
22.	1002-P017SI	TC - Electrode Cable & Sparker IPI 915.017 24"	
23.	1002-P119SI	TC - Electrode Cable & Sparker IPI 35" (Infinite, ZCVRB47, VRB46)	
24.	1002-P12BH	IPI Battery Housing 12bh347-Gr	
25.	1002-P903SI	TC - Electrode Flame Sense IPI 007.253/915.903 24"	
26.	1002-P910SI	TC - Electrode Flame Sense 35" (Infinite, ZCVRB47, VRB46)	

NOTE: Fan and / or Light Options are not available on some fireplaces. **Check with your dealer.**

6 Proflame Transmitter 0.584.090 - WiFi Current Version

6b Proflame Transmitter 0.584.042 - Non-WiFi

6c Proflame Transmitter 0.584.080 - WiFi
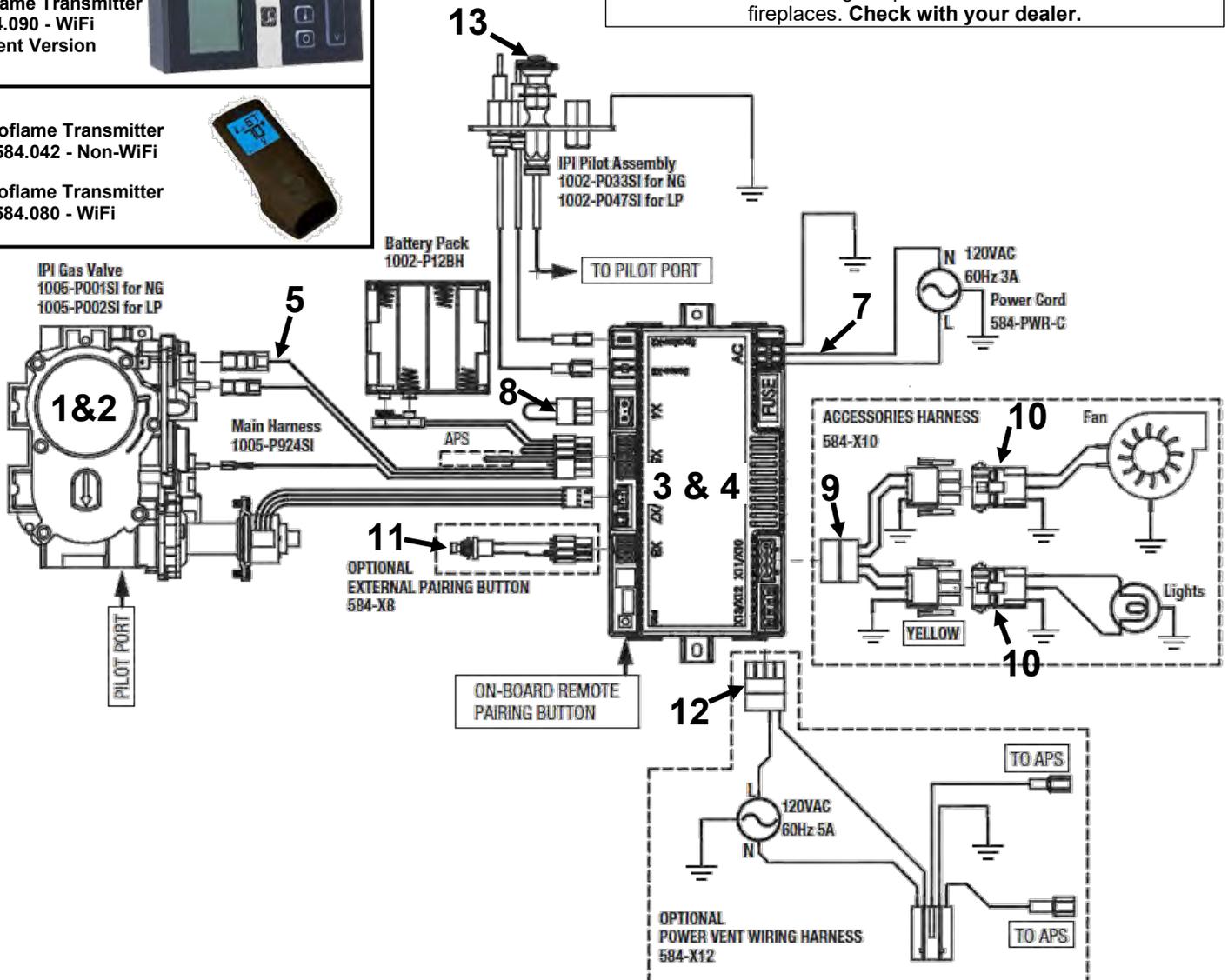
Proflame 2 Module and Remote Control

PRESS BUTTON

REMOTE PAIRING BUTTON (SW1 Switch)
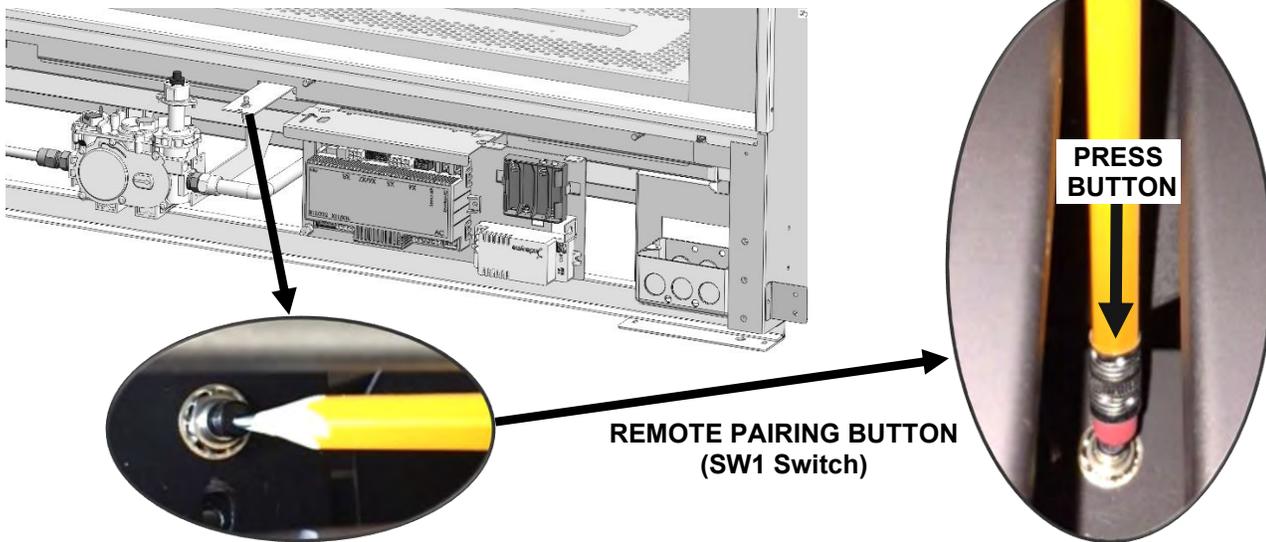
Two Remote Control Models:

LCD Display · ON / OFF Key · Thermostat Key · UP / DOWN Arrow Key · Mode Key · Batteries · 0.584.090

Batteries · LCD Display · ON / OFF Key · Thermostat Key · UP / DOWN Arrow Key · Mode Key · 0.584.042
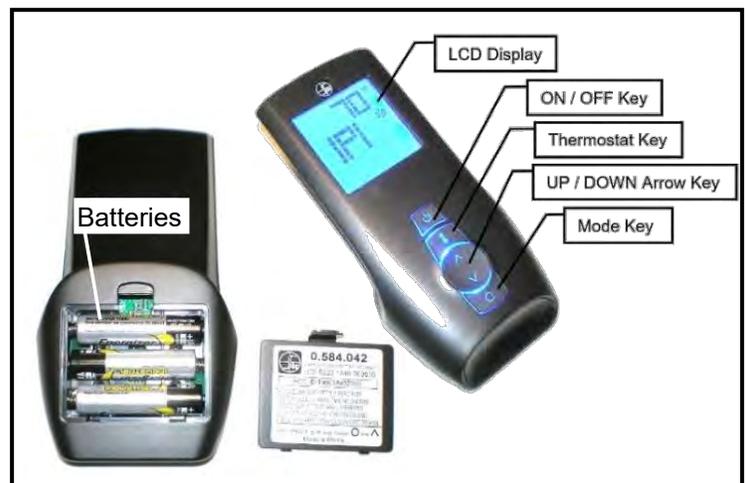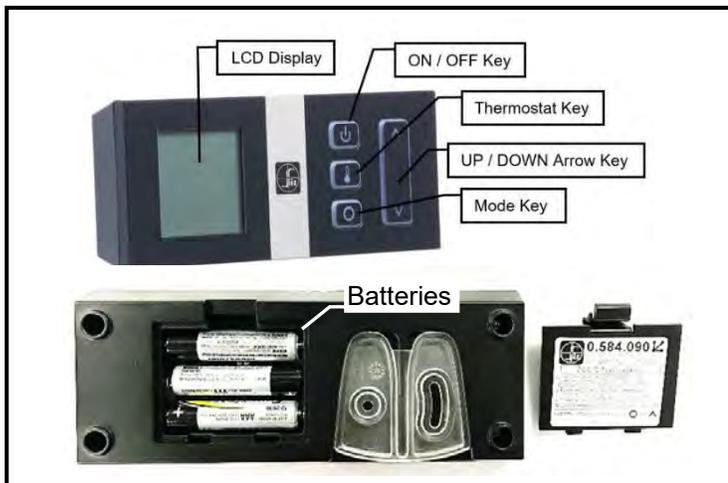
Pairing Remote Control

- Install the 3 AAA batteries in the battery bay, located on the base of the Remote Control. Note polarity of the batteries and insert them as indicated.

- Connect the AC power supply to the IFC.

- **Press the *Remote Pairing Button* (SW1). The IFC will "beep" and a red LED is illuminated on the Proflame 2 Module to indicate that the IFC is ready to synchronize with a Remote Control within 10 seconds.** With the batteries already installed in the Remote Control, push the ON button. The receiver will "beep" four times to indicate the Remote Control's command is accepted.

The system is now initialized.

Resetting Proflame 2 Module for Manual Use

Should the transmitter get misplaced, broken or not wanted the PF2 Module can be reset to a manual system. A manual on/off switch or thermostat may be installed at the X4 connector (this connection is Jumped at the factory) no power is required.

The following sequence must be followed to reset the PF2 Module:

- Press the **SW1** button until you hear three beeps.
- Within 10 seconds press the **SW1** button again until you hear it beep.
- The PF2 module may now be turned on/off manually (x4 connector) by a switch (not supplied), the pilot will remain on CPI (continuous pilot ignition) mode, all other functions of main burner, fan and lights will be on the high setting.

Fan Startup and Shutdown Timings:

Fan setting is started with a delay of 5 minutes from the fireplace ignition and stopped with a delay of 12 minutes from the fireplace switching off.

Low battery power detection

When the Remote Control's batteries are low, a Battery Icon will appear on the LCD display before all power is lost. When the batteries are replaced this icon will disappear.

Battery backup

The PF2 module is powered by line voltage (AC) with provision of battery backup in case of main power loss. Fans and lighting features will not function with the PF2 module is powered by battery backup. It is recommended that the 4 x AA batteries are changed before each heating season.

Cold Climates – CPI Setting - Proflame 2 Remote Control

Use the CPI setting during cold weather, otherwise the fireplace may have a hard time starting up and establishing a flame. The **CPI** (Continuous Pilot Ignition) setting will keep the firebox and fireplace exhaust vent warm during cold weather. When the firebox and exhaust vent are warm, exhaust gasses will readily flow out of the firebox.
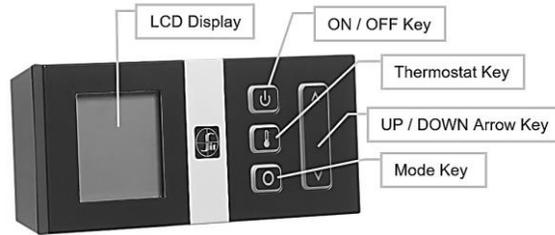

If the firebox and venting are too cold, there is resistance due to the heavy cushion of cold air, and combustion gasses may not rise into the exhaust vent, thus causing the fireplace to cycle or **Lockout** (if this happens see *Lockout Reset Procedures* below).

NOTE: The pilot system for this appliance may be equipped with a **Seven Day Timer**, in which case the pilot flame will be extinguished if the main burner has not been turned ON for seven days. This Seven Day Cycle is reset every time the main burner is cycled ON / OFF and the pilot remains lit. If more than seven days has passed since the main burner has been cycled ON / OFF and the pilot is also out, follow the procedures described in this manual to light the pilot.

To switch from IPI to CPI Mode:

1. Turn the fireplace OFF using the **ON / OFF Key**.	**2.** Press the **Mode Key**. Display will appear as below.
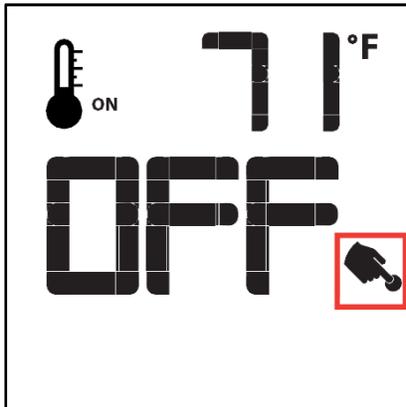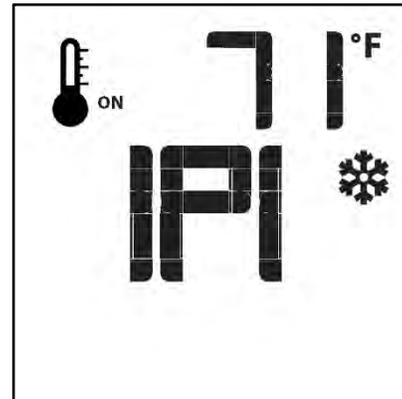
3. Press UP on the **UP / DOWN Arrow Key**. Display will show **CPI.** The module in the fireplace will beep once to confirm command.	**TO RETURN TO IPI (INTERMITTENT PILOT) MODE:** Repeat steps one and two, and then press DOWN on the **UP / DOWN Arrow Key**. The module in the fireplace will beep once to confirm command.

Lockout Reset Procedures – Proflame 2

|	
If the fireplace has cycled too many times in a short period of time, it will shut down and become unresponsive to any new command. The LED light on the Proflame 2 module in the fireplace will be flashing red. This condition is a **Lockout** state.	**Lockout Reset Procedure:** 1. Disconnect power from the Proflame 2 module in the fireplace for 10 seconds. This includes removing the backup batteries. 2. Once the 10 second interval has passed, reconnect power and reinstall backup batteries. The pilot should now try to light. 3. If the fireplace does not come on, call your fireplace technician.

Remote-Flame Control

The proflame has six (6) flame levels. With the system on, and the flame level at the maximum in the appliance, pressing the Down Arrow Key once will reduce the flame height by one step until the flame is turned off.

The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position. (Fig. 7 & 8) A single "beep" will confirm reception of the command.
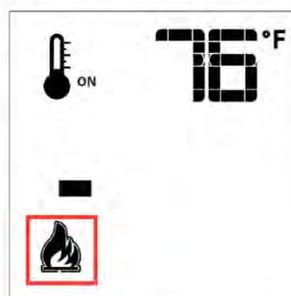
Fig. 7:   Flame Off   Flame Level 1

Fig. 8:   Flame level 5   Flame Level Maximum

Room Thermostat (Transmitter Operation)

The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room.

To activate this function, press the Thermostat Key (Fig. 1). The LCD display on the Transmitter will change to show that the room thermostat is "ON" and the set temperature is now displayed (Fig. 9). To adjust the set temperature, press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.

ROOM TEMPERATURE
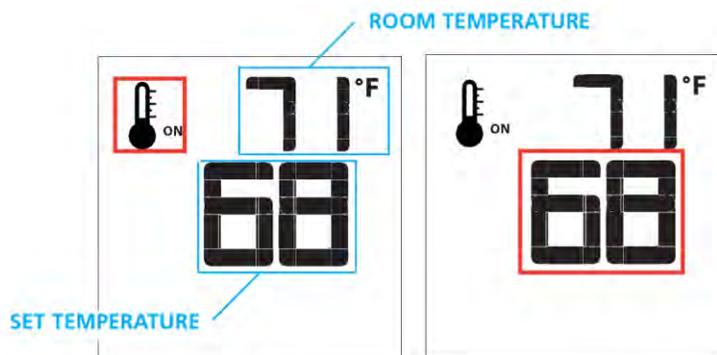
SET TEMPERATURE

Fig. 9   Fig. 10

Smart Thermostat (Transmitter Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point the Smart Function will modulate the flame down.

To activate this function, press the Thermostat Key (Fig. 1) until the word "SMART" appears to the right of the temperature bulb graphic (Fig. 11).

To adjust the set temperature, press the Up or Down Arrow Keys until the desidered set temperature is displayed on the LCD screen of the Transmitter (Fig. 12).

Note:
When Smart Thermostat is activated, manual flame height adjustment is disabled.

Fig. 11: Smart flame function

Fig. 12

Fan Speed Control

If the appliance is equipped with a hot air circulating fan, the speed of the fan can be controlled by the Proflame system. The fan speed can be adjusted through six (6) speeds. To activate this function use the Mode Key (fig.1) to index to the fan control icon (Fig. 13). Use the Up/Down Arrow Keys (Fig.1) to turn on, off or adjust the fan speed (fig. 14). A single "beep" will confirm reception of the command.

Fig. 13

Fig. 14

Remote dimmer control (Halogen lights only)

The auxiliary function controls the AUX power outlet by the dimmable light control. To activate this function use the Mode Key (fig. 1) to index to the AUX icon (fig. 15 & 16).

The intensity of the output can be adjusted through six (6) levels. Use the Up/Down Arrow Keys (Fig.1) adjust the output level (fig. 16). A single "beep" will confirm reception of the command.

Note:
This function is only available in Room Thermostat or Smart Thermostat Control Mode.

Fig. 15

Fig. 16

65
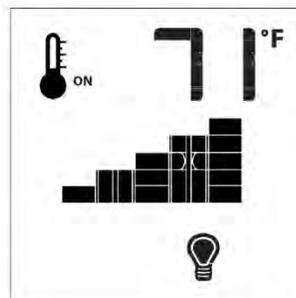
KINGSMAN FIREPLACES

IPI Proflame 2 System
Configuration: Modulating Controls
Simplified Wiring Diagram

IPI Gas Valve
1005-P001SI for NG
1005-P002SI for LP

PILOT PORT

Main Harness
1005-P924SI

OPTIONAL
EXTERNAL PAIRING BUTTON
584-X8

APS

Battery Pack
1002-P12BH

IPI Pilot Assembly
1002-P033SI for NG
1002-P047SI for LP

ON-BOARD REMOTE
PAIRING BUTTON

TO PILOT PORT

X8 X6/X7 X5 X4

X13/X12 X11/X10 AC

FUSE

OPTIONAL
POWER VENT WIRING HARNESS
584-X12

120VAC
60Hz 5A

N   L

TO APS   YELLOW   TO APS

ACCESSORIES HARNESS
584-X10

Lights   Fan

AVAILABLE ON 1005-P325SI MODELS ONLY

LIGHT/FAN ACCESSORIES

N   120VAC
60Hz 3A
L   Power Cord
584-PWR-C

COUPER LE FIL APS
POUR POWERVENT SEULEMENT

CUT APS LINE
FOR POWERVENT CONFIGURATION ONLY

3/16 QC Female

3/16 QC Male

Manufactured by: Kingsman Fireplaces
Fabriqué par:
2340 Logan Avenue
Winnipeg, MB R2R 2V3

For use with all Kingsman manufactured IPI Proflame 2 models, for all types of gas noted on rating plate. Supply 120VAC 60Hz 3A, 6 volts battery backup.

Pour utilisation avec tous les modèles IPI Proflame 2 fabriqués par Kingsman, pour tous les types de gaz noté sur la plaque signalétique. Voltage d'alimentation: 120VAC 60Hz 3A et 6 volts pour le bloc-piles de secours.

This component should be installed by a qualified service agency.
Cette composante doit être installée par une entreprise de service qualifiée.

Part #1005-P2SCH

66

Vent Terminal Clearances

NOTE: A HORIZONTAL VENT CERTIFIED GUARD (SAFETY CAGE) IS AVAILABLE WHEN REQUIRED BY LOCAL CODES.

Clearances are to the edge of the terminal plate. Add 6-3/4" to clearances to arrive at centerline. Local codes or regulations may require different clearances.

Legend:
V = Vent terminal
X = Air supply inlet
▨ = Area where terminal is not permitted
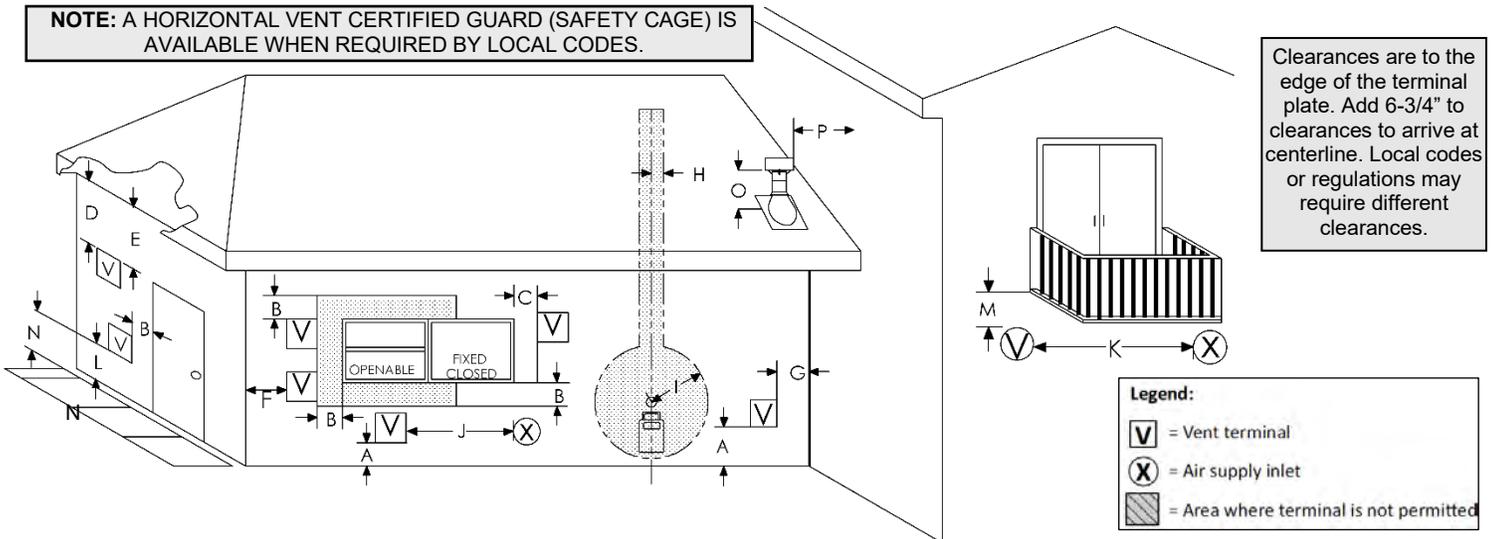
		Canadian installations[1]	US installations[2]
A	Clearance above grade, veranda, porch, deck, or balcony	12 in (30 cm)	12 in (30 cm)
B	Clearance to window or door that may be opened	6 in (15 cm) for appliances ≤ 10,000 Btu/h (3 kW), 12 in (30 cm) for appliances > 10,000 Btu/h (3 kW) and ≤ 100,000 Btu/h (30 kW), 36 in (91 cm) for appliances > 100,000 Btu/h (30 kW)	6 in (15 cm) for appliances ≤ 10,000 Btu/h (3 kW), 9 in (23 cm) for appliances > 10,000 Btu/h (3 kW) and ≤ 50,000 Btu/h (15 kW), 12 in (30 cm) for appliances > 50,000 Btu/h (15 kW)
C	Clearance to permanently closed window	12 inches (30cm) recommended to prevent condensation on window	12 inches (30cm). 9 inches (23cm) for appliances 50,000 Btu's and lower
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal	18 inches (46cm)	18 inches (46cm)
E	Clearance to unventilated soffit	12 inches (30cm)	12 inches (30cm)
F	Clearance to outside corner	3" *	3" *
G	Clearance to inside corner	3" *	3" *
H	Clearance to each side of center line extended above meter/regulator assembly	3 ft (91 cm) within a height 15 ft (4.5 m) above the meter/regulator assembly	3 ft (91 cm) within a height 15 ft (4.5 m) above the meter/regulator assembly
I	Clearance to service regulator vent outlet	3 ft (91 cm)	3 ft (91 cm)*
J	Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance	6 in (15 cm) for appliances ≤ 10,000 Btu/h (3 kW), 12 in (30 cm) for appliances > 10,000 Btu/h (3 kW) and ≤ 100,000 Btu/h (30 kW), 36 in (91 cm) for appliances > 100,000 Btu/h (30 kW)	6 in (15 cm) for appliances ≤ 10,000 Btu/h (3 kW), 9 in (23 cm) for appliances > 10,000 Btu/h (3 kW) and ≤ 50,000 Btu/h (15 kW), 12 in (30 cm) for appliances > 50,000 Btu/h (15 kW)
K	Clearance to a mechanical air supply inlet	6 ft (1.83 m)	3 ft (91 cm) above if within 10 ft (3 m) horizontally
L	Clearance above paved sidewalk or paved driveway located on public property	7 ft (2.13 m)	*(Notes: 2)
M	Clearance under veranda, porch deck, or balcony	12 in (30 cm)‡	12 in (30 cm) *
N	Where a vent termination may cause hazardous frost or ice accumulations on adjacent property surfaces	**(Notes: 1)	*(Notes: 2)
O	Clearance above highest point of exit on roof	18 in (45cm)	18 in (45cm)
P	Clearance to perpendicular or adjacent wall	24 in (60cm)	24 in (60cm)

Notes:
1) In accordance with the current CSA B149.1, Natural Gas and Propane Installation Code.
2) In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code.
* Clearance in accordance with local installation codes and the requirements of the gas supplier.
** A vent shall not terminate directly above a paved sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings. Note: This does not apply to non-condensing appliances (Province of Ontario ONLY).
‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

It is imperative that the vent termination be located observing the minimum clearances as shown. There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front of the termination plate.
Do not locate termination where excessive snow or ice build-up may occur. Be sure to check vent termination area after snow falls and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area. Venting terminal shall not be recessed into a wall or siding. If finishing the outside wall with vinyl or wood siding it is recommended that a Siding Shield be installed, Part Number ZDVSSLR.

This gas appliance is approved to be vented either through the side wall or vertically through the roof. Only Kingsman Flex (Z-Flex) Venting Kits and components specifically approved and LABELED for this stove may be used. This appliance is also approved for use with 5 x 8 M&G-Duravent Direct Vent system (DirectVent Pro), BDM Pro Form Direct Vent, Ameri-Vent Direct Vent Pipe System, ICC Excel Direct, Metal Fab Sure-Seal DV and Selkirk Direct Temp.

Rigid or Hard Pipe
When using 5 x 8 M&G-Duravent, Ameri-Vent pipe, BDM Pro Form Direct Vent, ICC Excel Direct, Metal Fab Sure-Seal DV and or Selkirk Direct Temp, 5 x 8 M&G Duravent hard pipe, Adapter # Z58DFA must be used on units with a sloped flue. Follow installation instructions provided by M&G-Duravent/Ameri-Vent/Selkirk Direct Temp, ICC Excel Direct, and Metal Fab Sure-Seal DV for installation of pipe and adhere to the clearance to combustibles provided in this manual. Apply a bead of Mill Pac high temp sealant to all joints of pipes, adapters and termination, when using Kingsman Flex (Z-Flex) venting and M&G-Duravent venting.

Flex Pipe Venting
Kingsman Flex pipe is shipped in unexpanded length. When installing pipe expand the lengths. Pipe can be expanded to twice their lengths e.g. 4ft to 8ft. Fully expand pipe and cut off excess.
Do not use more than 2 couplers **(Order ZDV5FC & ZDV8FC – DO NOT fabricate couplers)** to extend short pipes. Single sections are preferred in an installation attaching at the fireplace and termination.

```
FRAMING DIMENSION
Combustible Wall
Cut a 12" hole through exterior wall and frame as shown.
Non-Combustible Wall
Cut or drill 9" diameter hole.
```

Place the spring spaces provided approximately every two feet to stabilize 5" flex in the center of 8" flex. When forming bends place spring in bend or before and after. (See Fig. 1). Horizontal runs require support metal straps every 2 feet. In offset installation support straps should be used to stabilize pipe.
Expand 5" and 8" flex pipe to the point that the 8" protrudes approximately 2 to 3 inches past outer wall and the 5" flex protrudes approximately 2 to 3 inches past the 8" flex. (See Fig. 1). Attach the 5" pipe to the termination first and secure with sealant and screws then attach the 8" flex to the termination with caulking and screws. Termination may then be moved back to the outer wall and attached to home screwing into the framing. Silicone around termination to waterproof. If siding shield is going to be used attach this using same attaching hole as the top of termination after termination has been caulked for water proofing.

Use Hi Temp Sealant
Apply a bead of Mill Pac high temp sealant to all joints and use four screws to secure each pipe at fireplace, termination and any joint if joining any sections of pipe.

Preventing Moisture Problems
Insulate wall thimbles and attic insulation shields for vertical attic terminations with non-combustible mineral wool Insulation (Roxul, Rockwool, Thermafiber UltraBatt, etc.). Attach and seal the outer perimeter of the wall thimble or attic insulation shield to the existing vapor barrier.

NOTE: It is critical to the proper and safe operation of this fireplace that on all connections the inner liner and the outer casing are both caulked with liberal amounts of sealant. Do not use any kind of tape or silicone other than that recommended in this manual. Use Mill Pac Sealant.

NOTE: These actions are essential for proper resealing or reinstallation of the vent-air intake system.

⚠ **WARNING:** DO NOT mix parts from different systems unless stated in the manual.

FIGURE 1

Seal with high temp sealant.
Secure with 4 screws per pipe joint.

Max distance between spacers is 2 feet.

Clamps optional

Clamps optional

Seal with high temp sealant.
Secure with 4 screws per pipe joint.
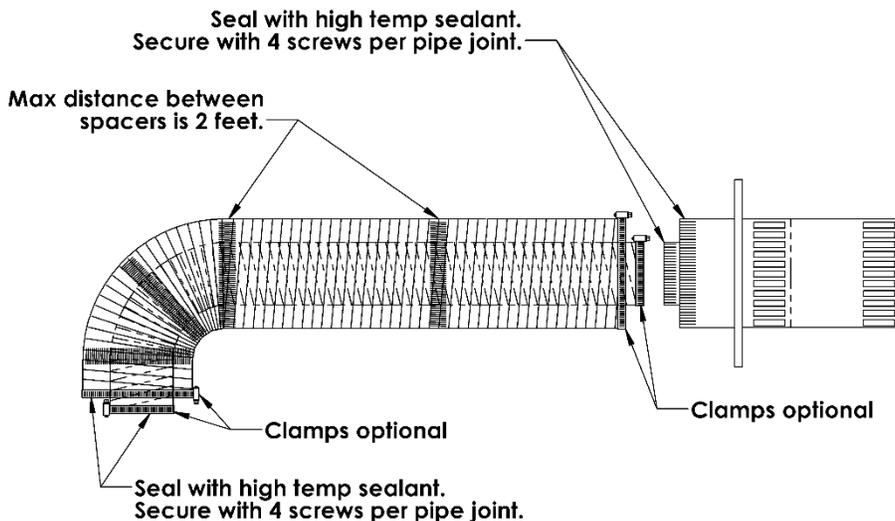
1. To determine the minimum distance from the bottom of fireplace to center of vent see the Framing Your Gas Fireplace section. Cut a hole through the wall allowing for a 12" x 12" (inside diameter) in combustible walls for wall thimble or a 9" diameter hole in a non-combustible wall (See Figure 2).

2. For the clearance to combustible above a 90-degree bend see Clearance to Combustibles section.

3. Select the approximate vent length, precise measurements are not needed as your flex pipe can be expanded to twice its shipped length for ease of installation.

4. To install wall thimble center over 12" x 12" (inch) framing from both sides of wall and secure. Route flex vent pipe through wall thimble (See Figure 1).

5. Before joining pipes, apply a bead of high temperature sealant (Mill Pac) to end of pipe. First attach the five-inch (5") flue pipe to the vent termination with sealant, and secure with the four screws provided. At this time make sure the spacer springs are attached to the (5") flex pipe as required. Then attach the eight-inch (8") pipe by the same method.

Z58WT Wall Thimble

6. Mount vent termination and seal to wall using caulking around the wall thimble to weather proof. After installing the vent termination, double check to make sure the pipe extends properly through wall thimble and into vent termination.

7. Before joining pipes to fireplace flue, apply a bead of high temperature sealant (Mill Pac) to end of pipe. First attach the five-inch (5") flue pipe to fireplace with sealant, and secure with the four screws provided. At this time verify that the spacer springs are attached properly to the (5") flex pipe as required. Then attach the eight-inch (8") pipe by the same method.

8. Support horizontal pipes every two (2) feet (61 cm) with metal strap bands. Re-check fireplace to make sure it is levelled and properly positioned and secured.

9. Support vertical pipes to maintain a minimum of 1" or greater clearance to combustibles with metal strapping bands.

10. If finishing the outside wall with vinyl or wood siding it is recommended that a Siding Shield be installed, Part Number ZDVSSLR.
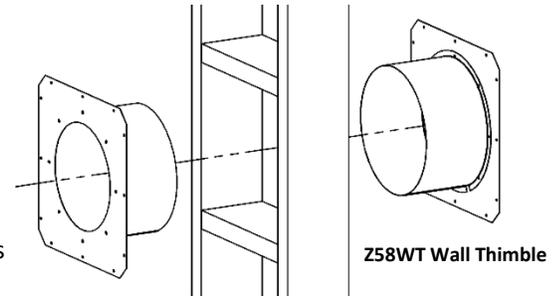
Note: Vent Termination must not be recessed into wall or siding.

WARNING: A HORIZONTAL VENT CERTIFIED GUARD (SAFETY CAGE) IS AVAILABLE WHEN REQUIRED BY LOCAL CODES.
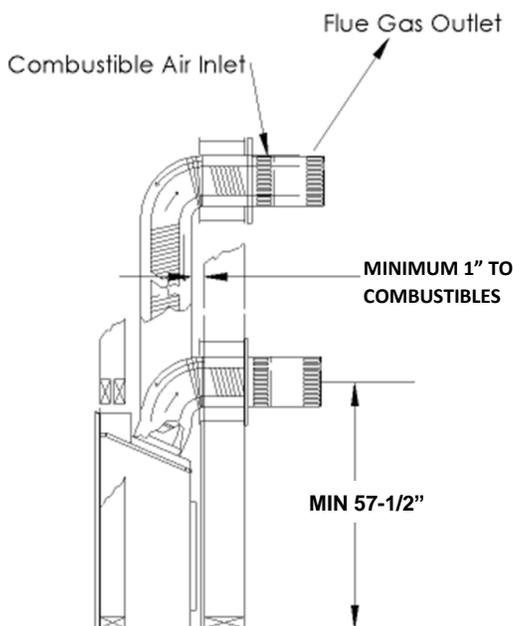
Figure 1
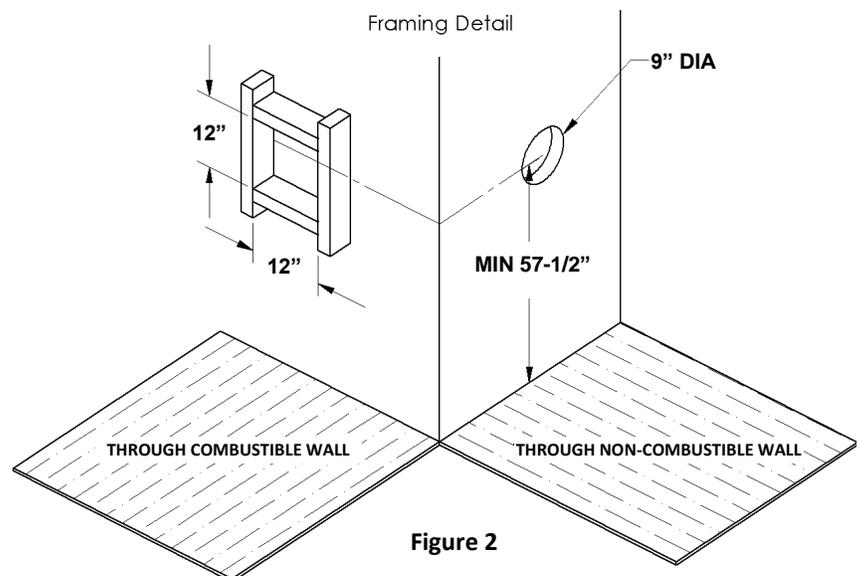
Figure 2

Venting Routes and Components

Since it is very important that the vent system maintain its balance between the combustion air intake and the flue gas exhaust, certain limitations as to vent configurations apply and must be strictly adhered to.

The table showing the relationship between vertical and horizontal side wall venting will help to determine the various vent lengths.

The maximum horizontal run is 20ft (6.1m) when the vertical rise is 8 ft (2.4m). See **Example A** below.

Note: 1/4" vertical rise is required for every 12" of horizontal run.

The maximum number of 45° bends per side wall installation is four (4) in the horizontal run. You must reduce the length of the horizontal by 18" (45cm) for each 45° bend.

The maximum vertical run is 43ft (13.1m).

Special Note: For each 45° bend installed in the horizontal run, the length of the horizontal run must be reduced by 18" (45cm). This does not apply if the 45° bends are installed on the vertical part of the vent system. **Example:** If according to the table, the length of the horizontal run is 10ft (3m), and two 45° bends are required, the horizontal run length must be reduced to 8ft (2.4m).

Two (2) additional 90° bends (or the equivalent) are allowed. The horizontal run must be reduced by 36" (90cm) for each 90° bend, or 18" (45cm) per each 45° bend.

> **IMPORTANT:**
> Always locate the fireplace in such a way that a minimum of offsets and/or horizontal runs are required. For every 12" (30cm) horizontal run, 1/4" (6mm) vertical rise is required.
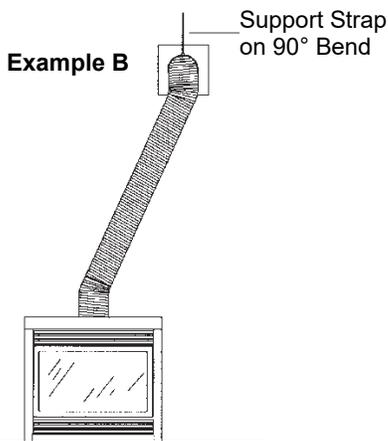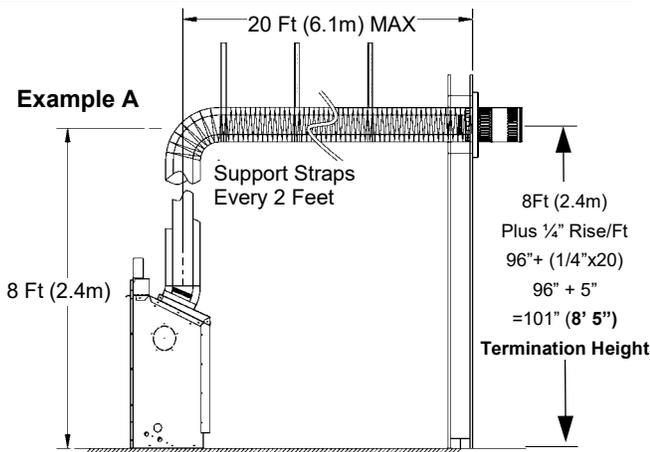
How to Use the Horizontal Vent Table

1. Determine the height of the system and the number of bends required.
2. Having determined the vertical distance determine the maximum horizontal section allowed.
3. Vent table has been established for 90˚ horizontal/vertical runs. Flex pipe runs not having 90˚ bends will not fall into vent table standards. See **Example B** below.

Horizontal Venting Table from Bottom of Fireplace

For venting to a maximum of 43ft (13.1 meters)

Total Vertical		Max Total Horizontal	
Feet	Meters	Feet	Meters
(57-1/2" Min)	1.46	4	1.2
6	1.8	6	1.8
7	2.1	20	6.1
8	2.4	20	6.1
9	2.75	20	6.1
10	3.0	20	6.1
11	3.4	20	6.1
12	3.7	20	6.1
13	4.0	20	6.1
14	4.3	20	6.1
15	4.6	20	6.1
20	6.1	20	6.1
25	7.6	15	4.6
30	9.1	10	3.0
43 (Max)	13.1	0	0
43 (Max)	13.1	4	1.22

> **NOTE:** A length of horizontal vent run *less* than the maximum is acceptable (such as up and out) provided that clearances to combustibles are maintained and proper procedures are followed.

NOTE: The final location of the fireplace must be such that the horizontal vent dimensions fall within those stated in the Horizontal Venting Table. The Maximum Vertical vent run is 43ft (13.1m).

> **IMPORTANT:**
> Minimum clearance between vertical vent pipes and combustible materials is1" (25mm).

Example A

20 Ft (6.1m) MAX

Support Straps Every 2 Feet

8 Ft (2.4m)

8Ft (2.4m)
Plus ¼" Rise/Ft
96"+ (1/4"x20)
96" + 5"
=101" (**8' 5"**)
Termination Height

Support Strap on 90° Bend

Example B

Example C

3 – 90° Elbows = **14ft (2.3m)**
Max Total Horizontal

7Ft (2.1m)

70
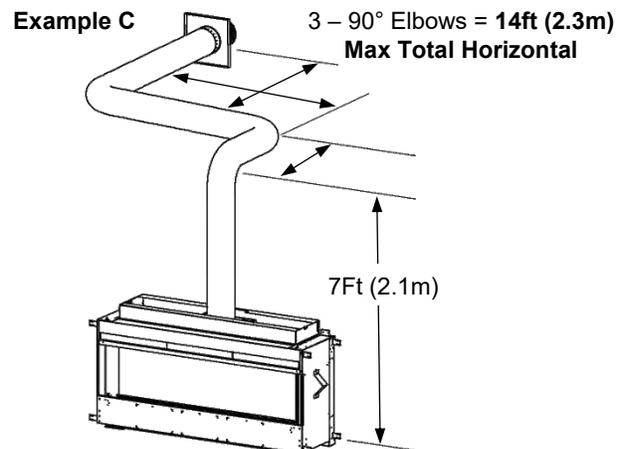
The Flue Restrictor is located in the top of the Firebox in front of the Flue Opening.

For power vent and longer vertically vented installations it may be necessary to use the Flue Restrictor.
The Flue Restrictor is set fully open from the factory for short horizontal and vertical runs.

INSIDE TOP OF FIREBOX

FLUE RESTRICTOR
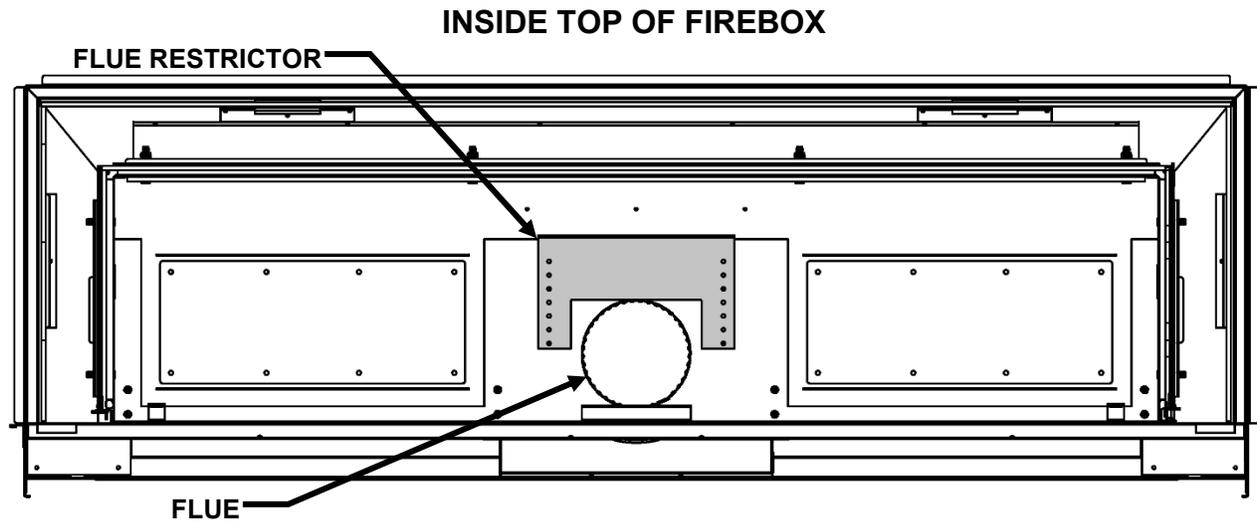
FLUE

To adjust the Flue Restrictor, remove DT Screws from the firebox top and install the Flue Restrictor over the flue, partially blocking it. **Replace ALL DT Screws.**

INSIDE TOP OF FIREBOX

FLUE RESTRICTOR

FLUE
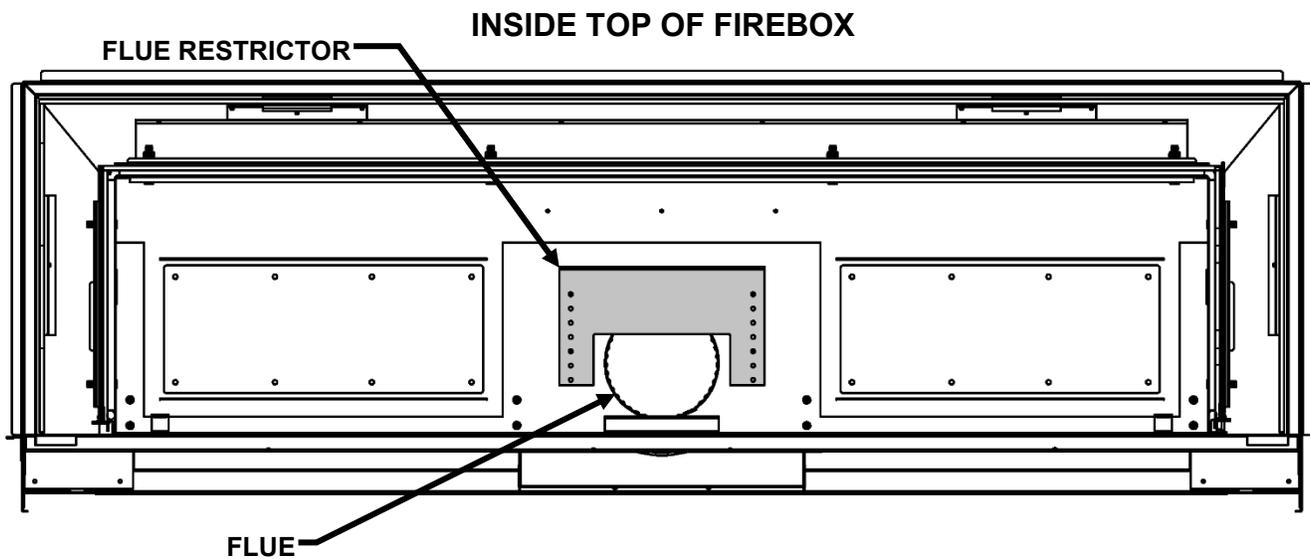
Venting Straight Up Through Roof

An Attic Insulation Shield must be installed where the vent passes from a lower living space into an attic space where the chimney is not enclosed. It is designed to keep insulation materials away from the chimney.

When installing the Attic Insulation Shield where the chimney passes from a living space to an attic space, install the shield from below and nail in place using 1" spiral nails.

A fire stop must be installed on the bottom side of the joists when passing through a ceiling or floor. If an attic insulation shield is to be used, a fire stop is not required.

Attic Insulation Shield

Vertical Vent Framing
9" Round Hole through Masonry.
12" x 12" Framing for Combustible.

Fire Stop
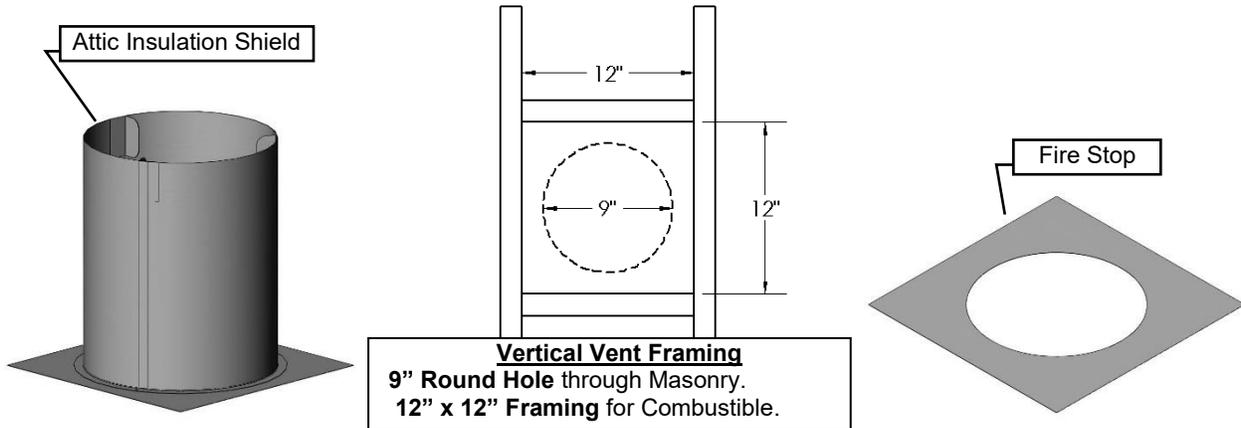
Using Flex Bends

Avoid cutting joists by offsetting the flex pipe.

When using 45° bends a bend support is required directly above the highest bend.

When installing a bend in a joist area a minimum of 4" clearance to combustible to the top of bend must be maintained, sides and bottom of pipe, a 1" clearance to combustibles must be maintained. If running horizontal through an area a 1-1/2" minimum clearance to the top of the horizontal pipe must be maintained.

Maximum vertical height of system should not exceed 43 feet.

Use roof support and rigid pipe at roof level. Flex pipe is not permitted within roof support.

When penetrating the roof a rigid galvanized pipe must be used. Attach flex pipe to the rigid pipe with high temperature sealant, secure with four screws assuring the flex pipe and rigid pipe are secured. Attach rigid pipe to termination with sealant and screw with 4 sheet metal screws. The Inner flex pipe must be secured with 4 screws which must penetrate both the flex pipe and inner section of termination. Attach 8" rigid pipe to 8" termination with sealant and screw with 4 sheet metal screws.

Vertical termination clearance is 18" [45.7cm] above the roof, measured from highest point of exit on the roof line.

Support vertical pipes to maintain minimum of one inch or greater clearances to combustibles.

Roof Flashing

Ensure that you have the proper roof flashing by checking your roof pitch using a level and two rulers, or by using a roof pitch card. Slide a Roof Flashing suitable to your roof slope over the vent. Place the edge of the flashing plate that will be on the higher part of the roof slope under the shingles. Both the sides and the lower edge lay on top of the shingles.

NOTE: At the top edge of the flashing plate, lift the shingles and nail the plate to the roof deck, then cement the shingles to the plate with a suitable waterproof mastic.

Ensure that the chimney is plumb. Square up the flashing plate and nail in place to the roof deck. Use 12 nails with neoprene washers or cover the heads with a suitable waterproof mastic. Wrap the storm collar around the vent above the flashing. Secure the ends together loosely with nut and bolt supplied. Slide the collar down the vent until it comes in contact with the flashing. Tighten the bolt and seal the Storm Collar to the vent with a suitable waterproof non-combustible mastic.

The flashing and storm collar should be painted to match the roof shingles. This will extend its life and improve the appearance. Clean, prime and paint with suitable painting products.

Vertical Venting in Cold Climates

In cold climate conditions where temperatures go below -10 degrees Celsius or 14 degrees Fahrenheit, we recommend that the chase be insulated and where the vent pipe enters into the attic space that the pipe be wrapped with an insulated Mylar sleeve. This will increase the temperature of the vent and help the appliance to vent properly in cold weather conditions.

It is also important in vertical vented direct vent appliances that the appliance be operated daily during the winter months as this will help stop the termination from freezing up.

We recommend using a thermostat set at room temperature to allow the unit to cycle.

For IPI models it may be necessary to set the appliance to Standing Pilot mode to maintain heat in the cavity. The purpose of this procedure is to prevent cold air from penetrating the chimney and then onto the living space. Therefore, when the internal temperature is slightly elevated the fireplace is able to freely exhaust its combustion and hence making it easier to start up.

-ALSO SEE DIAGRAMS ON FOLLOWING PAGE-

1-1/2" Top of Horizontal Vent

4" Minimum Top of 90º Elbow

All other existing pipes 1" clearances to combustibles.
Support straps required to maintain rise in venting.
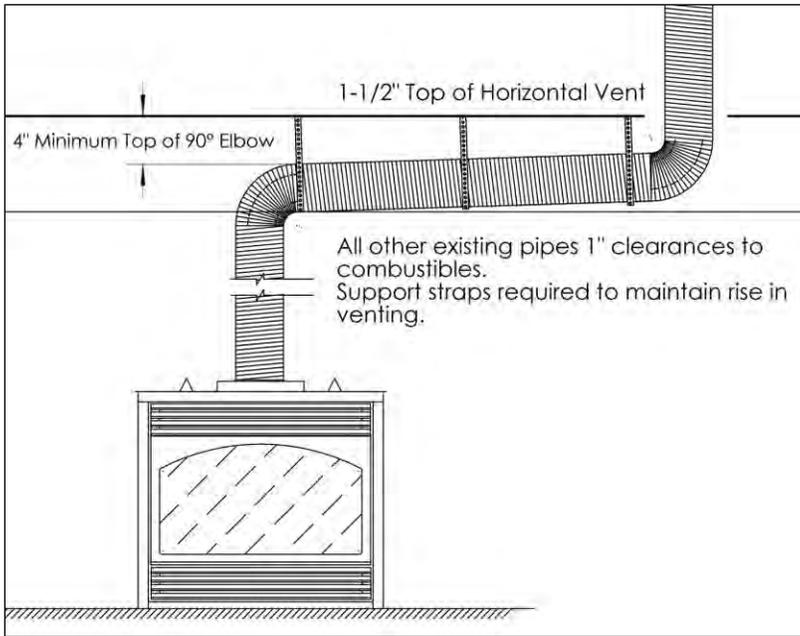
Clearances in horizontal venting.

-Restrictor-
Remove for Runs Under 15 Feet

Z58VT
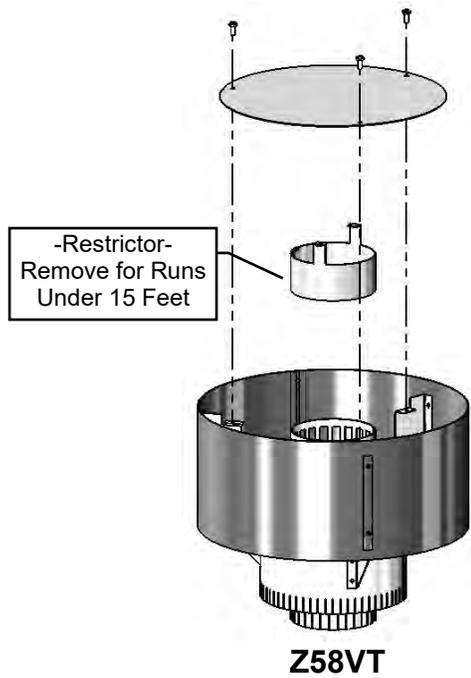
Clearance to perpendicular wall 24 inches (60 cm). (Recommended to prevent re-circulation of exhaust products. For additional requirements check local codes.)

24"

18" MIN
Clearance above highest point of exit on roof 18 inches (45cm)

Roof Support
Flashing

Roof Support

12"

12"

Enclosure

Attic Insulation Shield

Firestop

Shortest Vertical Run = **6-1/2ft.**
Longest Vertical Run = **43ft.**

Enclosure

Four [4] Self Tapping Screws

Firestop

Elbow Support

Firestop

Flex Pipe

Firestop

Four [4] Self Tapping Screws to Secure Rigid Pipe to Termination

Adjustable Clamps

Rigid Pipe

2 Elbows or the equivalent are allowed.

Maximum Horizontal Offset = 4ft when vent run is 43ft.

A) Straight Venting

C) Termination

B) Flex Bend Venting

A) Straight-through roof support configuration; **B)** Flex bend configuration; **C)** Termination mounting

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Enclave Series Venting - Cathedral Ceilings

Just as with a normal ceiling, an **Attic Insulation Shield** must be installed where the fireplace vent passes from a lower living space into an attic space when installing a fireplace into a room with a cathedral ceiling. This will keep insulation and other combustibles away from the vent pipe. A *Support Box* must be built in order to install the Attic Insulation Shield correctly.

A **Fire Stop** must be installed on the bottom side of joists when passing through an uninsulated ceiling or floor.

WARNING: HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING. Heat must exit through the required size of opening at the top of the chase. Use Hi Temp Sealant.

Insulate Attic Insulation Shield with non-combustible mineral wool insulation, and attach and seal outer perimeter to the existing vapor barrier.

Z58AIS24 or Z58AIS Attic Insulation Shield
Trim to match chase depth if necessary.

15-3/4"   1-7/8"   12"   1-7/8"   12"
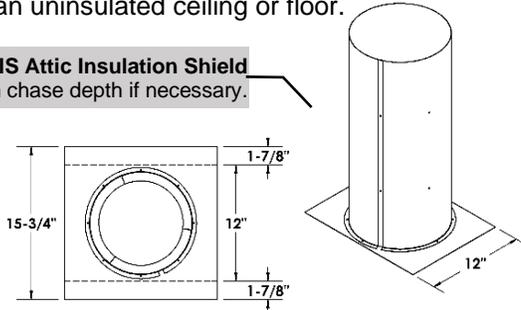
Z58FS Firestop - Hole may need to be elongated to due to ceiling angle. Trim to 12" to match chase depth if necessary.

15-1/2"   ⌀8-11/16"   1-3/4"   12"   1-3/4"
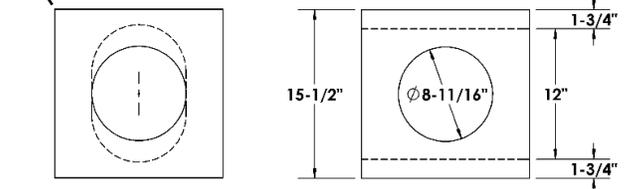
Option 1 - Angled Chase Opening

1/2" Plywood Support Box

13"   VARIABLE   22-3/8"*

*Based on 24" truss spacing

⌀11"   13"   1"

Hole may be cut anywhere along centerline

Perpendicular Wall 24" MIN

Z58VT Termination

18" MIN

Z58RS Roof Support

Attic Insulation Shield Z58AIS or Z58AIS24

1/2" Plywood Support Box

Required Opening on 3 Sides

Z58FS Firestop

MIN 1" Clearance to Vertical Vent

1/2" Plywood Support Box

Required Bottom Air Opening

Option 2 - Horizontal Chase Opening

1/2" Plywood Support Box

VARIABLE

49-1/16"   16"

Same width and depth as fireplace chase

⌀11"   13-3/4"

Hole may be cut anywhere along centerline

Perpendicular Wall 24" MIN

Z58VT Termination

18" MIN

Z58RS Roof Support

Attic Insulation Shield Z58AIS or Z58AIS24

1/2" Plywood Support Box

Required Opening on 3 Sides

MIN 1" Clearance to Vertical Vent

1/2" Plywood Support Box

Required Bottom Air Opening
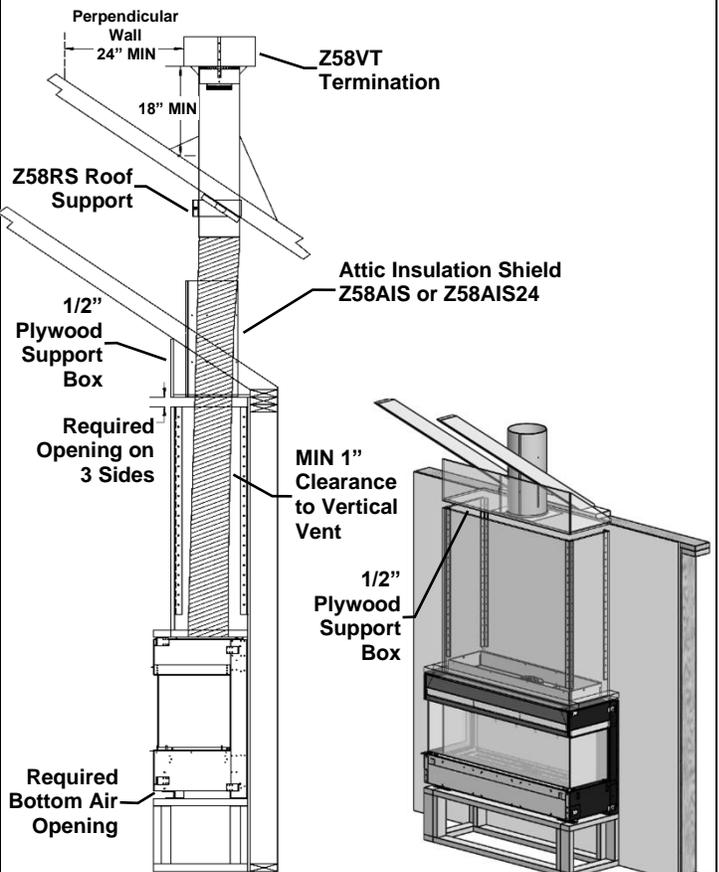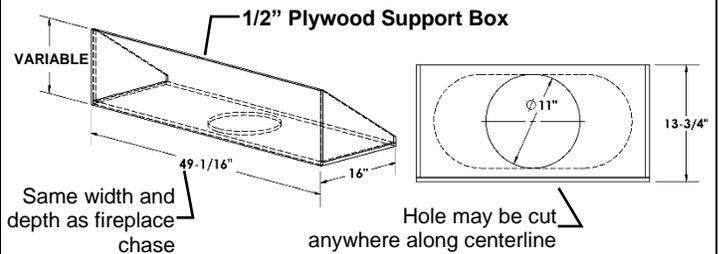
- This appliance is approved for use with Kingsman Horizontal Power Vents -

A Horizontal Power Vent Termination is intended for use where standard venting configurations are not possible.

- **NOTE:** MODELS EQUIPPPED WITH MILLIVOLT/ STANDING PILOT IGNITION: Downward vertical vent runs are **NOT** permitted.

- **NOTE:** MODELS EQUIPPPED WITH INTERMITTENT PILOT IGNITION (Proflame 1 or Proflame 2): Downward vertical vent runs are permitted, however, Cold Climate Switch (Standing Pilot Mode) must **NOT** be used.
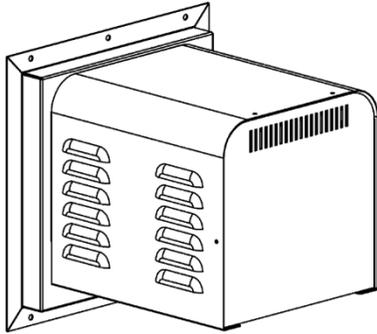
PVH58
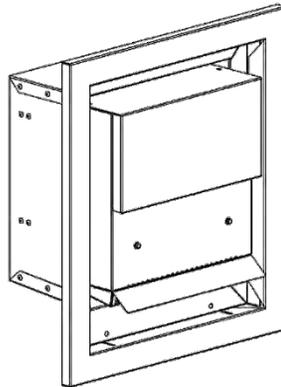
PVH58FM

ENCLAVE & SERENE Units - Maximum & Minimum Vent Lengths using Power Vents:	ENCLAVE & SERENE Units – Can be Reduced to 3 x 5" or 4 x 6-5/8" Venting (A 12 Inch Length of 5/8 M&G Duravent Pipe Must be Connected to Fireplace Flue First.)	
• **Minimum Vent Length** is 4 FT vertical x 6 FT horizontal with up to 5 elbows. • Maximum Vent Length is 4FT vertical x 125FT horizontal with up to 7 elbows. • Refer to Power Vent Manual for proper installation and use.	**3 x 5" Venting:** -**PVA5835**- Pipe Reducer for Fireplace -**PVA3558**- Pipe Increaser for Termination	**4 x 6-5/8" Venting:** -**ZDVDRA**- Pipe Reducer for Fireplace -**ZDVDIA**- Pipe Increaser for Termination

5/8 M & G DURAVENT PIPE 12"

At Fireplace Flue:

PVA5835 for 3 x 5" Venting

ZDVDRA for 4 x 6-5/8" Venting

For Power Vent Termination:

PVA3558 for 3 x 5" Venting

ZDVDIA for 4 x 6-5/8" Venting

Power Vent Parts List – 5/8 Venting

NUMBER	DESCRIPTION
PVH58	Horizontal Power Vent Starter Kit - Exterior Mount
PVH58FM	Horizontal Power Vent Kit - Flush Mount

Note: Must use a one foot section of 5/8 DV hard pipe to connect to the Power Vent Termination (not supplied)

CHOOSE CONTROL MODULE OR HARNESS DEPENDENT ON VALVE SYSTEM

NUMBER	DESCRIPTION
PVC58MV	Power Vent Control Module - for Millivolt Models
PVC58IPI	Power Vent Control Module - for Proflame 1 - IPI Models
584-X12	Harness for Proflame 2 IPI - Deluxe Models
PVH20H	Main Wiring Harness Assembly – Extension Harness (20ft)

CHOOSE VENTING TO BE USED: SECTION 1: 5/8 HARD PIPE - SECTION 2: 3/5" HARD PIPE - SECTION 3: 4x6-5/8" HARD PIPE - SECTION 4: FLEX VENT

SECTION 1	**DIRECT VENT HARD PIPE 5/8"– Used for entire installation – Order Z58DFA**
Z58DFA	Duravent Hard Pipe Adapter – 5/8" (Sloped Flue) **Note:** Only sloped flues require Z58DFA adapter.
SECTION 2	**DIRECT VENT HARD PIPE 3/5"- Used for entire installation- Order PVA5835, PVA3558**
PVA5835	Duravent REDUCER- 5/8" to 3/5" ADAPTER (used at flue of fireplace) (Requires a one-foot section of MG Hard Pipe at flue before using PVA5835)
PVA3558	**Termination End** Duravent Pipe Increaser- at Power Vent
SECTION 3	**DIRECT VENT HARD PIPE 4 x 6-5/8"- Used for entire installation- Order ZDVDRA, ZDVDIA**
ZDVRA	Duravent REDUCER- 5/8" to 4x6-5/8" ADAPTER (used at flue of fireplace) (*Requires a one-foot section of MG Hard Pipe at flue before using ZDVDRA*)
ZDVDIA	**Termination End** Duravent Pipe Increaser- at Power Vent
SECTION 4	**FLEX VENT – Used for entire installation – order Z58PVA**

Note: Must use a one-foot section of 5/8 DV hard pipe (not supplied) to connect to the Power Vent Termination.

NUMBER	DESCRIPTION
Z58PVA	Flex Pipe Adapter Kit - (to adapt flex pipe to power vent to hard pipe)

FLEX VENTING KITS

NUMBER	DESCRIPTION
Z58FK5	Flex Kit (5" & 8" Dia.) x 2.5' (Unexpanded) 5' Expanded
Z58FK8	Flex Kit (5" & 8" Dia.) x 4' (Unexpanded) 8' Expanded
Z58FK20	Flex Kit (5" & 8" Dia.) x 10' (Unexpanded) 20' Expanded *Kits are complete with spring stand-offs & silicone.

POWER VENT ACCESSORIES

NUMBER	DESCRIPTION
ZDV5FC	Flex Connector 5" Diameter
ZDV8FC	Flex Connector 8" Diameter
ZDV5FCL	Flex Clamp 5"
ZDV8FCL	Flex Clamp 8"
ZDV4SS	Spring 4" Standoff Spacer
PVH58WT	Wall Thimble for Power Vent

Part No.	Description
Single Side Fireplaces	
MQVL60NE2	Heater Rated Fireplace, NG, Ceramic Glass, Low E Tempered Glass Safety Barrier, IPI System 2, Remote Control, LED Lights
MQVL60LPE2	Heater Rated Fireplace, Propane, Ceramic Glass, Low E Tempered Glass Safety Barrier, IPI System 2, Remote Control, LED Lights
Bay Peninsula Fireplaces	
MQVLBG60NE2	Peninsula Bay Heater Rated Fireplace, NG, Ceramic Glass, Low E Tempered Safety Glass Barrier, IPI System 2, Remote Control, LED Lights
MQVLBG60LPE2	Peninsula Bay Heater Rated Fireplace, Propane, Ceramic Glass, Low E Tempered Safety Glass Barrier, IPI System 2, Remote Control, LED Lights
Optional Corner Kit / Wall Surround / Side Extensions	
VLBGCK	Corner Kit- Can be installed at either end of fireplace. (for use with Peninsula Bay unit only)
VL60S1BL	Surround Trim Kit – 1-1/2" Wide – Black (for use with Single Sided Unit only) 70-1/16" x 18-1/2"
VL60S1SS	Surround Trim Kit – 1-1/2" Wide – Stainless Steel c/w Black Side Fillers (for use with Single Sided Unit only) 70-1/16" x 18-1/2"
MQVL48SEP	Side Extension Panels - Black
Enclosure Components	
VL60EG	Enclosure Grill 3-1/2"H x 60-1/2"W, – c/w 4 louver grill (ready to paint), Outer Trim Grill Mount (ready to paint), Hidden Frame Grill Mount (Black)
VL60EGS	Enclosure Side Grills [Qty 2] (ready to paint) 16-3/16" x 8-1/2"
VL60AVP	Adjustable Vented Platform- Mounting Base for fireplace- Adjusts from 14-3/4" to 27-5/16".
MQVL60 / MQVLBG60 Media Options	
WARNING: DO NOT OPERATE THIS APPLIANCE WITHOUT DECORATIVE GLASS EMBERS ON BURNER AND MEDIA TRAY	
RBCB1	Cannonballs- Assorted size and colors
MQRBD1	Driftwood (x4) and Rocks (x4)
MQRBD2	Driftwood Branch Set – 3 pc. Set
MQRBD3	Driftwood Log Set – 5 pc. Set
MQRBD4	Driftwood Log Set – 3 pc. Set
MQ46D	Driftwood Log Set – (for use with Single Sided Unit only)
MQLOGF48D	Driftwood Log Set
MQRBBW	Birchwood Log Set
MQSTONE	Decorative Stones
MQROCK2	Rock Set Natural
MQROCK3	Rock Set Multi-Color
MQEMBER	Glowing Embers
ZG5C	Decorative Ember Glass –Bronze 5LB
MQG5W	Decorative Glass 1/2" White 5LB
MQG5C	Decorative Glass Bronze 5LB
MQG5A	Decorative Ember Glass Cobalt Blue 5LB
MQG5B	Decorative Ember Glass – Black 5LB
MQG5ZG	Decorative Glass- Zircon Glacier Ice 5LB
Optional Fluted, Porcelain or Reflective Glass Liners	
MQVL60RLFB	Refractory Liner - Fluted - Back
MQVL48RLFE	Refractory Liner - Fluted - Ends
MQVL60RLSB	Refractory Liner – Stacked Brick - Back
MQVL48RLSE	Refractory Liner - Stacked Brick - Ends
VL60PLB	Porcelain Liner - Back
VL48PLE	Porcelain Liner – Ends
MQVL60RGB	Reflective Glass Liner - Back
MQVL48RGE	Reflective Glass Liner – Ends (L&R)
Safety Barrier Glass and Screen	
60VL-315	Low E Tempered Glass Safety Barrier [1 pc] Front
48VLB-319	Low E Tempered Glass Safety Barrier [2 pcs] Sides
Firebox Glass & Gasket	
60VLBG-310	Ceramic Glass 61 1/32 X 17 7/8 Rev B No Gasket Required- For MQLVBG60
60VLBG-301SS	Ceramic Glass 61 1/32 X 17 7/8 Rev B- c/w Gasket- For MQVL60 Single Side
48VLB-311	Ceramic Glass- [2 pcs] Sides
48VL-020	Gasket for Firebox Glass
Replacement Burner Assembly / Burner	
60VL-200A	Fireplace Burner
60VL-BLPE2	Burner Assembly- Propane c/w Valve System (MQVL60LPE2)
60VL-BNE2	Burner Assembly- Natural Gas c/w Valve System (MQVL60NE2)

Conversion Kit	
60VL-CKLP2	LP Conversion Kit for MQVL60 IPI 2
60VL-CKNG2	NG Conversion Kit for MQVL60 IPI 2

Miscellaneous Parts	
1000-150GE	Silicone GE Red IS806 #736
1000-150MP	Hi-Temp Millpac Sealant 840099
1000-255	Orifice Brass - (State Size)
FP15GC	Stainless Steel Gas Connector

Kingsman Fireplace Venting

Z58VT	Vertical Vent Termination
Z58HT	Horizontal Vent Termination
FDVHSCU	Safety Cage for Horizontal Termination
Z58AIS	Attic Insulation Shield
Z58AIS24	Attic Insulation Shield
ZDVVOS	Offset Support
Z58FS	Firestop Spacer
Z58RS	Roof Support
Z58GP36	Galvanized Pipe 5" and 8" Dia. x 36" (Vertical Installations)
Z58SS	Siding Shield
Z58WT	Wall Thimble (Horizontal Venting)
Z58WTS	Horizontal Wall Thimble Shield (For Low Enclosures)
ZDVSS	Siding Shield for FDVHT
Z58SSLR	Siding Shield - Large Return
Z58GP	Galvanized Pipe 8" Dia. x 48" (Vertical Installations)
Z58MIS60	Mylar Insulation Sleeve 8" x 5ft
Z58AAF	Flashing 8" c/w Storm Collar (1/12 to 7/12)
Z58AF2	Flashing 8" c/w Storm Collar (8/12 to 12/12)
Z58AF3	Flashing 8" c/w Storm Collar Flat
ZDV8SC	Storm Collar 8"
Z58FK5	Flex Kit (5" & 8" Dia.) x 2.5' (Unexpanded) 5' Expanded
Z58FK8	Flex Kit (5" & 8" Dia.) x 4' (Unexpanded) 8' Expanded
Z58FK20	Flex Kit (5" & 8" Dia.) x 10' (Unexpanded) 20' Expanded *Kits are complete with spring stand-offs & silicone.
Z58HSK5	Horizontal Round Termination Vent Starter Kit - 5/8" X 5 FT Length, Wall Thimble Shield, Horizontal Vent Termination, Wall Thimble, 60" Flex Pipe, Screws, Mill Pac.
ZDV5FC	Flex Connector 5" Diameter
ZDV8FC	Flex Connector 8" Diameter
ZDV5FCL	Flex Clamp 5"

ZDV8FCL	Flex Clamp 8"
ZDV4SS	Spring 4" Standoff Spacer

LIMITED LIFETIME WARRANTY

This Limited Lifetime Warranty applies only while the unit remains at the site of the original installation and only if the unit is installed inside the continental United States, Alaska, Hawaii, and Canada. The warranty applies only if the unit is installed and operated in accordance with the printed instructions and in compliance with applicable installation and building codes and good trade practices.

BASIC ONE YEAR WARRANTY

During the first year after installation of the appliance, we will provide a replacement for any component part of your unit found to be defective in materials or workmanship, including labour costs. Repair work requires prior approval by Kingsman, labour costs are based on a predetermined rate schedule and any repair work must be done through an authorized Kingsman dealer.
(Excluded Components: Accent Light Bulbs, Gasketing and Paint)

LIMITED LIFETIME WARRANTY

The heat exchanger, combustion chamber and burner of every Kingsman product excluding the Outdoor Firepit are warranted against materials or workmanship during the period the product is owned by the original owner. The part to be replaced must be returned to our distributor in exchange for the replacement part. Any labor, material, freight and/or handling charges associated with any repair or replacement pursuant to this Limited Lifetime Warranty will not be covered by this warranty.

GENERAL TERMS

In lieu of providing a replacement part, we may, at our option, provide the distributor's component purchase price from us or a credit equal to the distributor's component purchase price from us toward the purchase of any new unit which we distribute. If a credit is given in lieu of a replacement part, the rating plate from the unit being replaced must be submitted on a warranty claim, and the unit being replaced must be made available to our distributor for disposition.

In establishing the date of installation for any purpose, including determination of the starting date for the term of this Limited Lifetime Warranty, reasonable proof of the original installation date must be presented*, otherwise the effective date will be based upon the date of manufacture plus thirty (30) days.

We will not be responsible for and you, the user, will pay for: (a) damages caused by accident, abuse, negligence, misuse, riot, fire, flood, or Acts of God (b) damages caused by operating the unit where there is a corrosive atmosphere containing chlorine, fluorine, or any other damaging chemicals (other than in a normal residential environment) (c) damages caused by any unauthorized alteration or repair of the unit affecting its stability or performance (d) damages caused by improper matching or application of the unit or the unit's components (e) damages caused by failing to provide proper maintenance and service to the unit (f) any expenses incurred for erecting, disconnecting or dismantling the unit (g) parts or supplies used in connection with service or maintenance (h) damage repairs, inoperation or inefficiency resulting from faulty installation or application (i) electricity or fuel costs or any increase in electricity or fuel cost whatsoever including additional or unusual use of supplemental electric heat.

We shall not be liable for any incidental, consequential, or special damages or expenses in connection with any use or failure of this unit. We have not made and do not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular use or purpose. We make no express warranties except as stated in this Limited Lifetime Warranty. No one is authorized to change this Limited Lifetime Warranty or to create for us any other obligation or liability in connections with this unit. Any implied warranties shall last for one year after the original installation. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty or condition lasts, so the above limitations or exclusions may not apply to you. The provisions of this limited warranty are in additions to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

Save this certificate. It gives you specific legal rights, and you may also have other rights which may vary from state to state and province to province.

In the event your unit needs servicing, contact your dealer or contractor who installed or serviced your unit. When requesting service, please have the model and serial number from each unit readily available. If your dealer needs assistance, the distributor is available for support and we, in turn support the distributor's efforts.

Fill in the installation date and model and serial numbers of the unit in the space provided below and retain this limited warranty for your files.

Model No. _____ **Serial No.** _____ **Date installed** _____

Dealer or Contractor Name: _____
*To receive advantage of your warranty, you must retain the original records that can establish the installation date of your unit.

The Ultimate in Design, Engineering & Quality