

## SLAYTON - 60

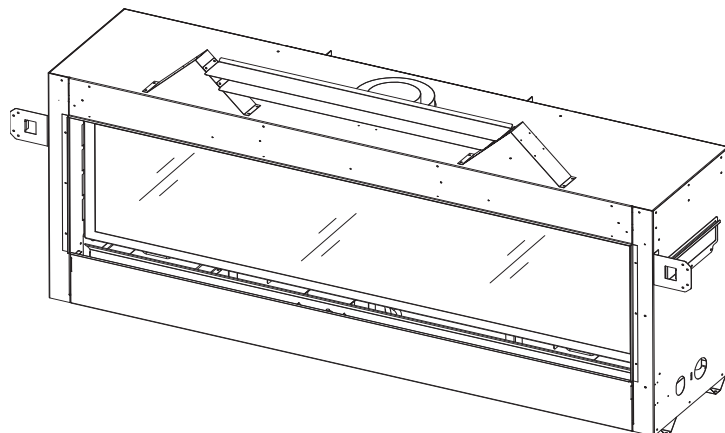
### Model #SLA-60 Direct Vent Linear Gas Fireplace

English and French installation manuals are available through your local dealer. Visit our website [www.kozyheat.com](http://www.kozyheat.com).

Les manuels d'installation en français et en anglais sont disponibles chez votre détaillant local. Visitez [www.kozyheat.com](http://www.kozyheat.com).



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



#### **⚠ 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.

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.



# 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.

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



Read this manual before installation or operating this appliance.  
Please retain this owner's manual for future reference.

## CONGRATULATIONS!

We welcome you as a new owner of a Kozy Heat gas fireplace. Kozy Heat products are designed with superior components and materials, and assembled by trained craftsmen who take pride in their work. To ensure you receive a quality product, the burner and valve assembly are 100 percent test-fired, and the complete fireplace is thoroughly inspected before packaging. Our commitment to quality and customer satisfaction has remained the same for 40 over years. We offer a complete line of gas and wood fireplaces, along with stylish accessories to complement any decor. Adding a fireplace is one of the best ways to increase the value of your home, and we are proud to offer a network of dealers throughout the country to help make your experience everything you imagine. We pride ourselves in being dedicated not only to functionality and reliability, but also customer safety. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your Kozy Heat gas fireplace.

Jim Hussong  
President



Dudley Hussong  
Board Chairman



### Homeowner Reference Information

*We recommend you record the following information:*

Model Name: \_\_\_\_\_ Date purchased/installed: \_\_\_\_\_

Serial Number: \_\_\_\_\_ Location of fireplace: \_\_\_\_\_

Dealership Purchased from: \_\_\_\_\_ Dealer phone: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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# TABLE OF CONTENTS

|   |           |  |           |
|---|-----------|--|-----------|
| <b>TABLE OF CONTENTS</b> .....                                    | <b>5</b>  | 7.8 Vent Heat Shield Assembly Installation .....       | <b>30</b> |
| <b>1.0 INTRODUCTION</b> .....                                     | <b>7</b>  | <b>8.0 FIREPLACE SET UP</b> .....                      | <b>31</b> |
| 1.1 Appliance Certification .....                                 | 7         | 8.1 Glass Frame Assembly .....                         | 31        |
| 1.2 California Proposition 65 Warning .....                       | 7         | 8.2 Light Kit .....                                    | 31        |
| 1.3 Requirements for the Commonwealth of Massachusetts .....      | 7         | 8.3 Glass Media .....                                  | 32        |
| <b>2.0 SPECIFICATIONS</b> .....                                   | <b>8</b>  | 8.4 Control Board Removal and Installation .....       | 33        |
| 2.1 Heating Specifications .....                                  | 8         | <b>9.0 ELECTRICAL INFORMATION</b> .....                | <b>34</b> |
| 2.2 Electrical Specifications .....                               | 8         | 9.1 Electrical Specifications .....                    | 34        |
| 2.3 Appliance Dimensions .....                                    | 9         | 9.2 Wiring Requirements .....                          | 34        |
| 2.4 Safety Barrier Dimensions .....                               | 10        | 9.3 #SL42-028 Optional Fan Kit .....                   | 35        |
| <b>3.0 FRAMING</b> .....  | <b>11</b> | <b>10.0 OPERATING INSTRUCTIONS</b> .....               | <b>36</b> |
| 3.1 Appliance Placement Considerations .....                      | 11        | 10.1 Setup Komfort 8K Control Module .....             | 37        |
| 3.2 Stand-off Assembly and Installation .....                     | 11        | 10.2 Initialize the Komfort 8K Control System .....    | 37        |
| 3.3 Nailing Flange Assembly and Installation .....                | 12        | 10.3 Automatic Safety Turn-off .....                   | 37        |
| 3.4 Clearances to Combustibles .....                              | 13        | 10.4 Backup Battery Operation .....                    | 37        |
| 3.5 Rough Framing .....   | 14        | 10.5 Control System 7 Day Timeout .....                | 37        |
| 3.6 Vent Termination Framing .....                                | 15        | 10.6 Komfort 8K Control System Ignition Sequence ..... | 38        |
| 3.7 Outdoor Covered Fireplace Installation .....                  | 16        | 10.7 Additional Diagnostic Information .....           | 38        |
| <b>4.0 FACING AND FINISHING</b> .....                             | <b>18</b> | 10.8 Remote Control Operation .....                    | 39        |
| 4.1 Standard Installation Facing and Finishing Requirements ..... | 18        | <b>11.0 ADJUSTMENT</b> .....                           | <b>43</b> |
| 4.2 Optional Trim Kit Assembly #SL60-FTK .....                    | 21        | 11.1 Pressure Testing .....                            | 43        |
| <b>5.0 GAS LINE CONNECTION</b> .....                              | <b>22</b> | 11.2 Flame Appearance Adjustment .....                 | 44        |
| 5.1 Gas Conversion (sold separately) .....                        | 22        | <b>12.0 TROUBLESHOOTING</b> .....                      | <b>46</b> |
| 5.2 Gas Line Installation .....                                   | 22        | <b>13.0 MAINTENANCE</b> .....                          | <b>49</b> |
| <b>6.0 TERMINATION LOCATIONS</b> .....                            | <b>23</b> | 13.1 Firebox .....                                     | 49        |
| 6.1 Vertical Vent Cap Termination .....                           | 23        | 13.2 Fan (Optional) .....                              | 49        |
| 6.2 Minimum Termination Clearances .....                          | 24        | 13.3 Vent System .....                                 | 49        |
| <b>7.0 VENTING</b> .....  | <b>25</b> | 13.4 Glass Assembly .....                              | 49        |
| 7.1 Approved Vent Systems .....                                   | 25        | 13.5 Burner and Pilot System .....                     | 49        |
| 7.2 Venting Requirements .....                                    | 25        | <b>14.0 REPLACEMENT PARTS LIST</b> .....               | <b>50</b> |
| 7.3 Elbows .....  | 25        | <b>LIMITED LIFETIME WARRANTY</b> .....                 | <b>52</b> |
| 7.4 Restrictor Plate Assembly and Installation .....              | 25        |  |           |
| 7.5 Vertical Terminations .....                                   | 26        |  |           |
| 7.6 Combination Venting .....                                     | 27        |  |           |
| 7.7 #800-1 Series Direct Vent Termination Kit(s) .....            | 29        |  |           |



# 1.0 INTRODUCTION

## 1.1 Appliance Certification

Laboratory: PFS in Cottage Grove, Wisconsin


Standards:

ANSI Z21.88-2017/CSA 2.33-2017, Vented Gas Fireplace Heaters

CSA 2.17 2017, Gas-Fired Appliances for Use at High Altitudes

This installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1.

## 1.2 California Proposition 65 Warning

 **WARNING:** This product can expose you to chemicals including Carbon Monoxide, that is an externally vented by-product of fuel combustion, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 1.3 Requirements for the Commonwealth of Massachusetts

*The following requirements reference various Massachusetts and national codes not contained in this manual.*

For all sidewall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

### 1.3.1 Installation of Carbon Monoxide Detectors

At time of installation of side wall horizontally vented gas fueled equipment, the installing plumber or gas-fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

### 1.3.2 Approved Carbon Monoxide Detectors

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

### 1.3.3 Signage

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print no less the one-half inch (½) in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

### 1.3.4 Inspection

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08 (2) (a) 1 through 4.

### 1.3.5 Exemptions

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4: The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

### 1.3.6 Manufacturer Requirements

#### 1.3.6.1 Gas Equipment Venting System Provided

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

#### 1.3.7 Gas Equipment Venting System NOT Provided

When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

- The referenced "special venting systems" instructions shall be included with the appliance or equipment installation instructions and;
- The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

## 2.0 SPECIFICATIONS

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### 2.1 Heating Specifications

|                          | Natural Gas                           | Propane                               |
|--------------------------|---------------------------------------|---------------------------------------|
| Maximum Input Rating     | 55,000 Btu/h<br>(16.12 kW)            | 55,000 Btu/h<br>(16.12 kW)            |
| Minimum Input Rating     | 28,000 Btu/h<br>(8.20 kW)             | 28,000 Btu/h<br>(8.20 kW)             |
| Manifold Pressure (High) | 3.5" WC<br>(0.87 kPa)                 | 10" WC<br>(2.49 kPa)                  |
| Manifold Pressure (Low)  | 1" WC<br>(0.25 kPa)                   | 2.7" WC<br>(.67 kPa)                  |
| Orifice Size (DMS)       | CENTER BURNER: 33<br>SIDE BURNERS: 51 | CENTER BURNER: 52<br>SIDE BURNERS: 59 |

#### 2.1.1 Altitude Adjustment

*This appliance may be installed at higher altitudes. Please refer to National Fuel Gas Code ANSI Z223.1/NFPA 54, CSA-B149.1 Natural Gas and Propane Installation Code, local authorities, or codes having jurisdiction in your area regarding derate guidelines.*

##### 2.1.1.1 US Installations

Refer to the American Gas Association guidelines for the gas designed appliances derating method. For elevations above 2,000 ft (610 m), input ratings are to be reduced by 4% for each 1,000 ft (305 m) above sea level.

##### 2.1.1.2 Canadian Installations

When the appliance is installed at elevations above 4,500 ft (1,372 m), the certified high altitude rating shall be reduced at the rate of 4% for each additional 1,000 ft (305 m).

### 2.2 Electrical Specifications

- The junction box in this appliance requires 120VAC, 60Hz, and 6 Amps.
- Verify the household breaker is shut off prior to working on any electrical lines.
- The AC power supply to this appliance must be hot at all times and shall not have a switch installed in it.



## 2.3 Appliance Dimensions

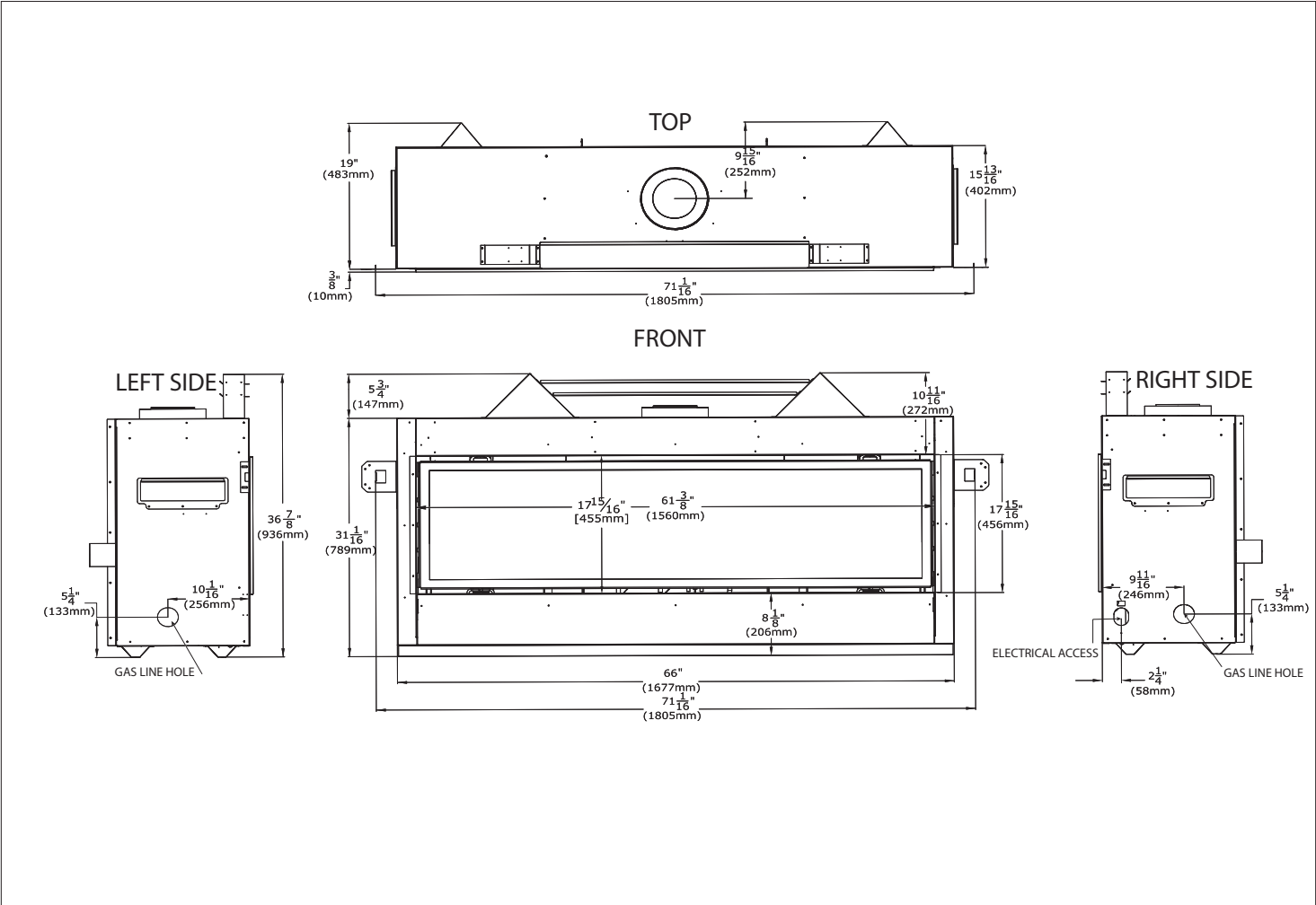


Figure 2.1, SLA-60 Dimensions

## 2.4 Safety Barrier Dimensions

**WARNING:** 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.

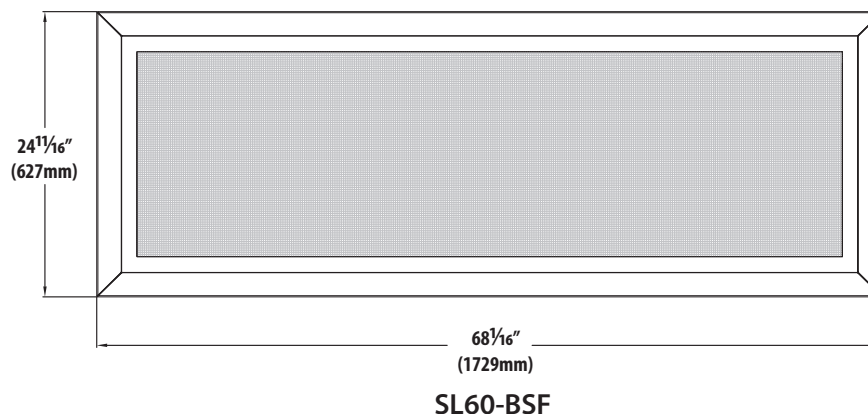
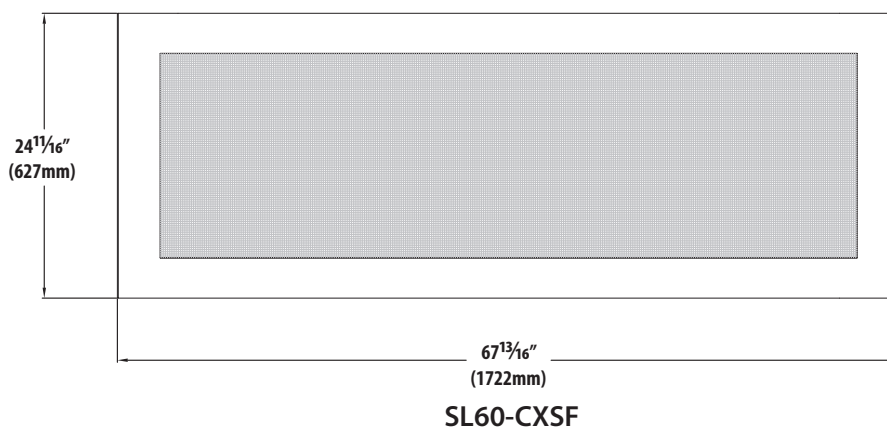
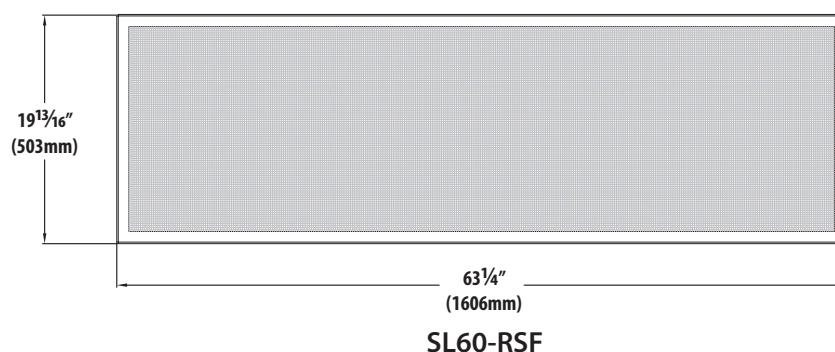
If the barrier becomes damaged, the barrier shall be replaced with Hussong Mfg.'s barriers for this appliance.

Consider the finish material dimensions when planning your installation. The safety barrier and glass assembly must be removable. Refer to Figure 4.3, Minimum Non-Combustible Material Dimensions on page 20.

The optional finishing trim kit assembly, for use only with safety barrier #SL60-RSF, will allow you to install finishing material up to the finishing edge. Refer to Section 4.2 Optional Trim Kit Assembly #SL60-FTK on page 21. The trim assembly must be attached before fireplace installation.

### 2.4.1 Safety Barrier Installation

1. Center the screen front over the glass frame assembly, allowing the screen front's mounting brackets to fit inside the air openings.
  2. Align the notched tabs (located on the back) with the slots in the fireplace. Raise slightly and push back to desired position.
  3. Lower the screen front until the notched tabs are firmly in position, verifying the depth accommodates finish material.
- To remove safety screen: lift the screen up and out of slots.



## 3.0 FRAMING

### 3.1 Appliance Placement Considerations

**WARNING:** Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

**FIRE HAZARD:** Do NOT install this appliance directly on carpeting, vinyl, or any other combustible material other than wood.

- This appliance must be installed on a level surface capable of supporting the fireplace and venting. If possible, place the fireplace in a position where the vent terminates between two studs, eliminating the need for any additional framing.
- This fireplace may be installed in a bedroom.
- Please be aware of the large amount of heat this fireplace will produce when determining a location.

### 3.2 Stand-off Assembly and Installation

**WARNING:** The top stand-offs provide the 5¾ in (147 mm) minimum clearance to the header. Use only non-combustible material in this area for the entire width of the fireplace. DO NOT use wood, sheetrock, et cetera, in this zone.

Top stand-off brackets must be formed and attached prior to positioning fireplace into framed opening.

1. Remove and save (4) screws securing stand-off heat shields and stand-off brackets on top of the fireplace.
2. Form each top stand-off bracket by bending at perforations, as shown.
3. Align the holes in the formed top stand-offs with the holes in the fireplace top. Secure with the (4) screws previously removed along with (4) screws provided in the fireplace components packet.
4. Form stand-off heat shields as shown. The flange will face up and to the back of the fireplace.
5. Align the holes in stand-off heat shields with the holes in the top stand-off brackets. Secure with (8) screws provided in the fireplace components packet.
6. Form the back stand-offs as shown. Secure to fireplace back with provided screws.

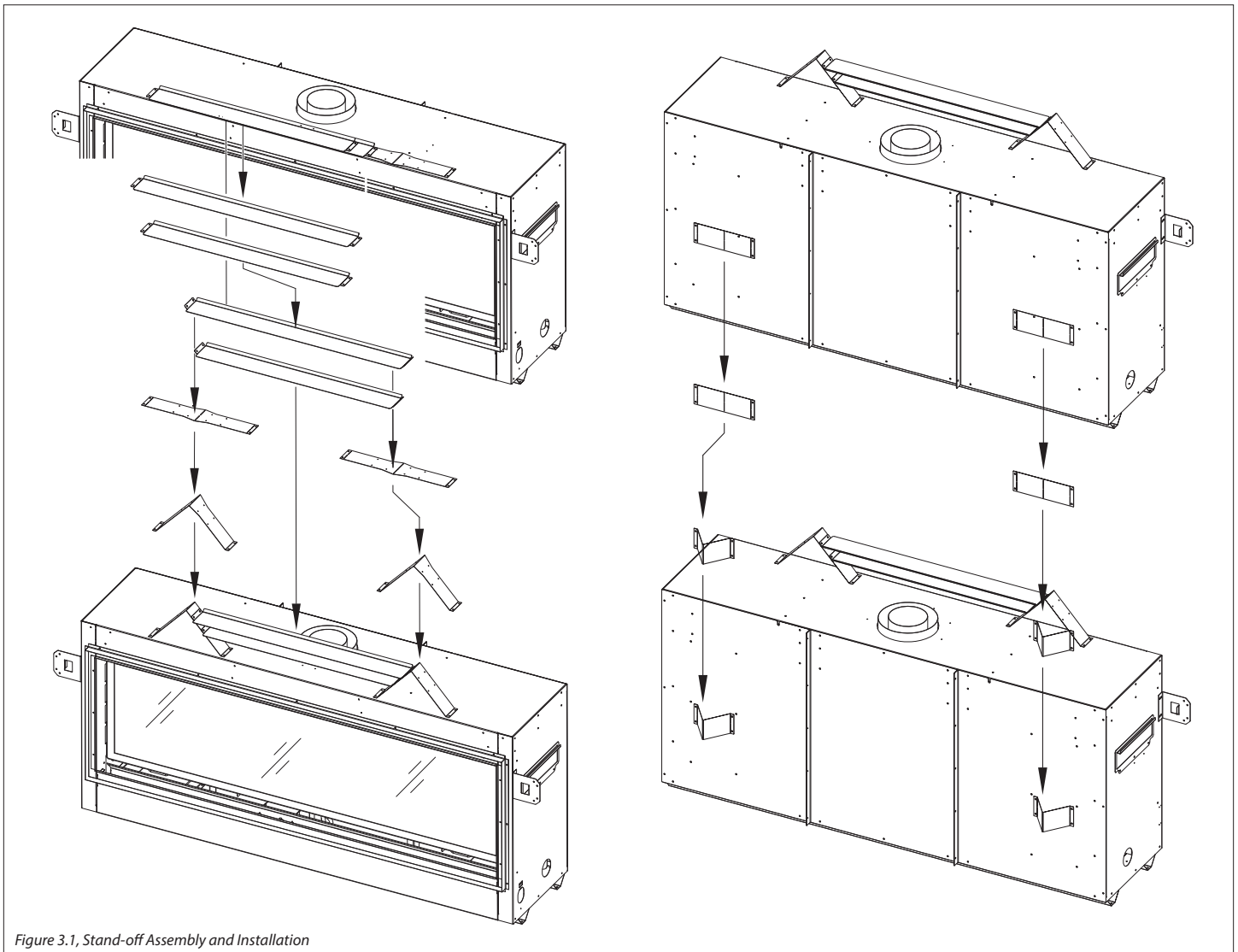


Figure 3.1, Stand-off Assembly and Installation

### 3.3 Nailing Flange Assembly and Installation

**CAUTION:** *Never permanently remove these assemblies from the fireplace—they must be secured regardless of finish material used.*

1. Remove (2) nailing flanges from the right and left side of the fireplace.
  2. Align nailing flange with holes on outside corners of fireplace, with the stand-off flanges on the nailing flanges facing away from the fireplace
  3. Secure the nailing flanges to the fireplace with screws (provided) through the slots in nailing flanges.
  4. Bend perforation on nailing flange until parallel with fireplace face. Do not bend toward fireplace face.
  5. Position framing stud against the small stand-off (located on backside of nailing flange). Secure with nails or screws.
- **When installed, the nailing flanges provide the minimum 2½ in (64 mm) clearance from the sides of the fireplace to framing.**

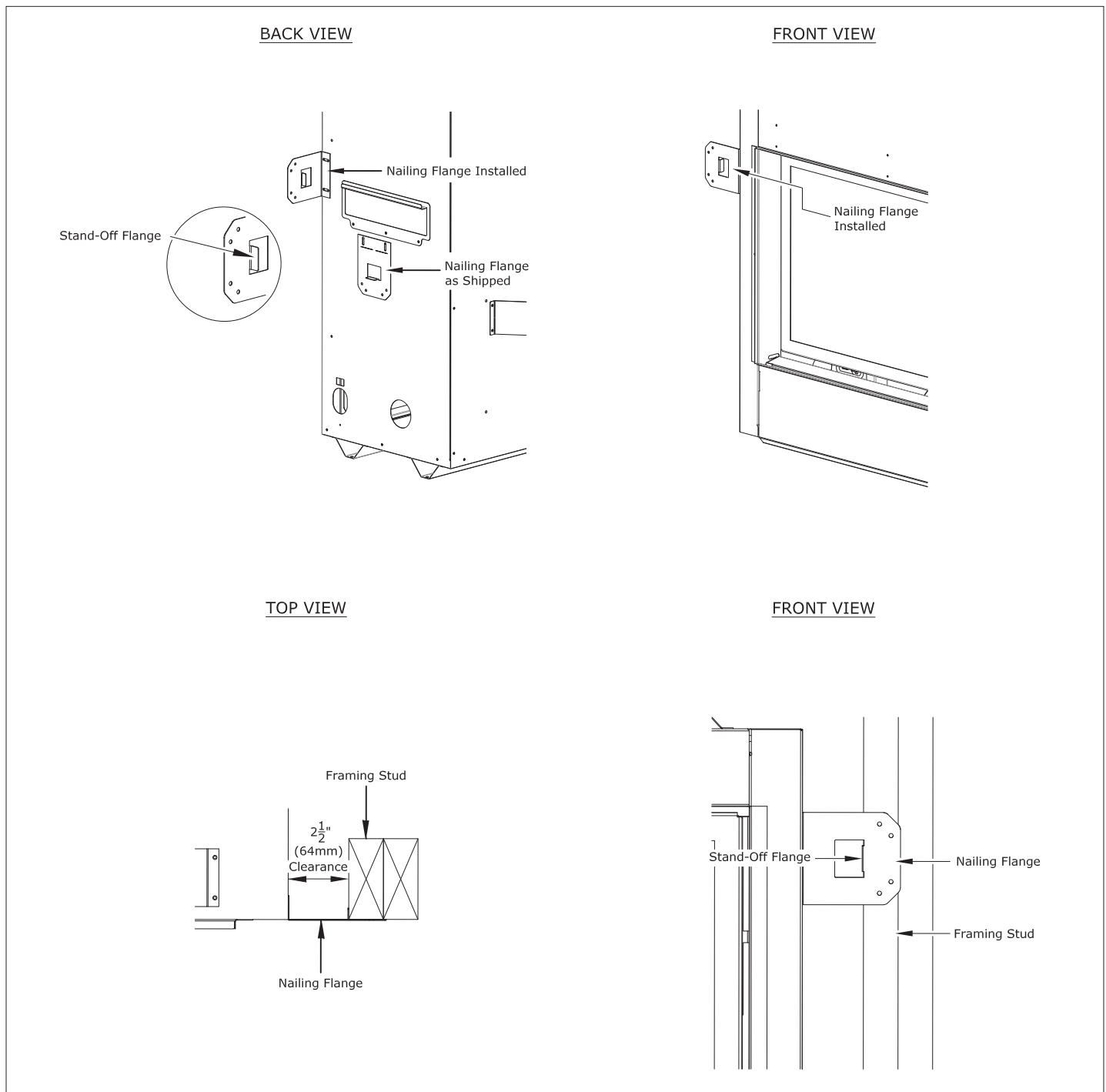
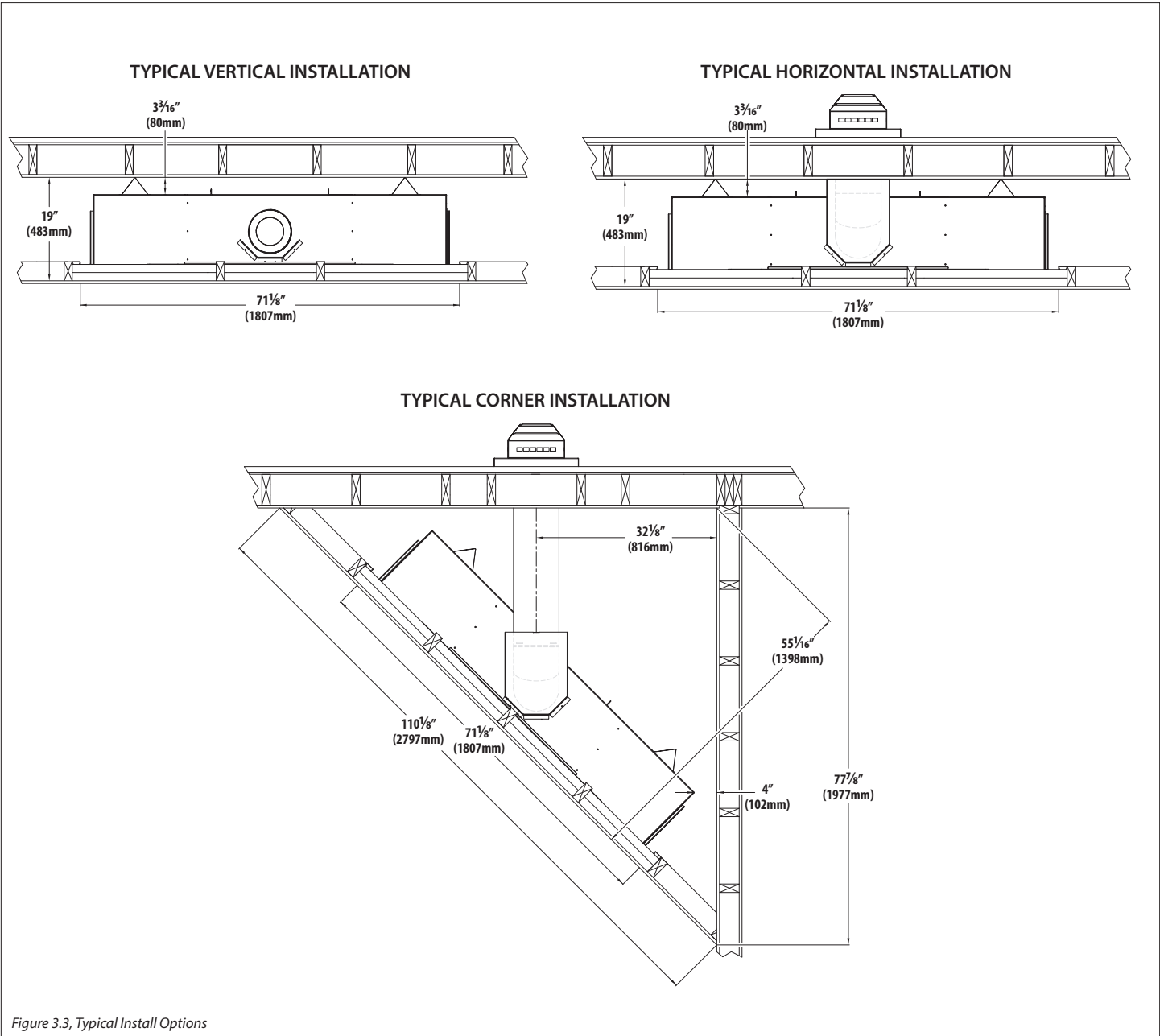


Figure 3.2, Nailing Flange Installation

### 3.4 Clearances to Combustibles

| Table 3.1, Minimum Appliance Clearances to Combustible Material |           |        |
|---|-----------|--------|
| From appliance top stand-offs                                   | 0 in      | 0 mm   |
| From appliance left and right side stand-offs                   | 0 in      | 0 mm   |
| From appliance back stand-offs                                  | 0 in      | 0 mm   |
| From appliance bottom stand-offs                                | 0 in      | 0 mm   |
| From appliance corners  | 4 in      | 102 mm |
| From appliance front  | 36 in     | 914 mm |
| Top of finishing edge to ceiling                                | 36 in     | 914 mm |
| Sides of finishing edge to adjacent sidewall                    | 6 in      | 152 mm |
| Mantel 9 in (229 mm) deep from finishing edge                   | 14-1/4 in | 362 mm |



## 3.5 Rough Framing

**WARNING:** Provide adequate clearance in front of the fireplace for barrier removal, component access, gas line installation, service access, etc.

**CAUTION:** Cold air transfer area. The surround fireplace chase must comply with all clearances as outlined in this manual, and be constructed in compliance with local building codes. Outside walls should be insulated to prevent cold air from entering room.

- Determine if the fireplace face will be flush with the wall surface (where the wall surface and fireplace will be covered with non-combustible material, such as tile) or the fireplace face will be flush with framing (flat wall appearance).
- Framing dimensions should allow for wall covering thickness and fireplace facing materials. If using a hearth, adjust the rough opening size as necessary to maintain minimum clearance requirements.
- 19" (483mm) represent the minimum distance from the front of the fireplace to the back wall of the framing. This is the minimum wall depth required for wall surface material to cover the fireplace front. If you desire the wall surface to be flush with the fireplace face, subtract 1/2" (25mm) (standard drywall depth) from this dimension. If using another material, adjust accordingly.
- The bottom of the fireplace must be placed directly on a wood or non-combustible surface (not linoleum or carpet). If this

appliance is to be installed directly on carpeting, tile, or other combustible material other than wood flooring, this appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.

- This fireplace may be elevated off the floor as shown below, provided it is properly supported by framing materials and maintains ceiling clearances.
- If masonry (optional) is to be used, prepare the foundation necessary to support the full masonry load. A lintel is required to support the added weight of the masonry construction above the fireplace.

### 3.5.1.1 TV Recess Construction

**WARNING:** All clearances to venting must be maintained.

Mounting a television above a fireplace has become a common practice. Television surface temperatures are affected by mantel depth, ceiling heights, and wall and mantel construction material. Most television manufacturers specify in their instructions that a television should not be installed on, near, or above a heat source.

Television location rests solely on the homeowner. It is the home owner's responsibility that the preferred TV mounting and mantel design will not exceed the listed maximum operation temperature of their electronic goods.

Tests performed determined that surface temperatures did not exceed 150°F (66°C) when a 4 1/4" (108mm) deep recess is constructed above the fireplace.

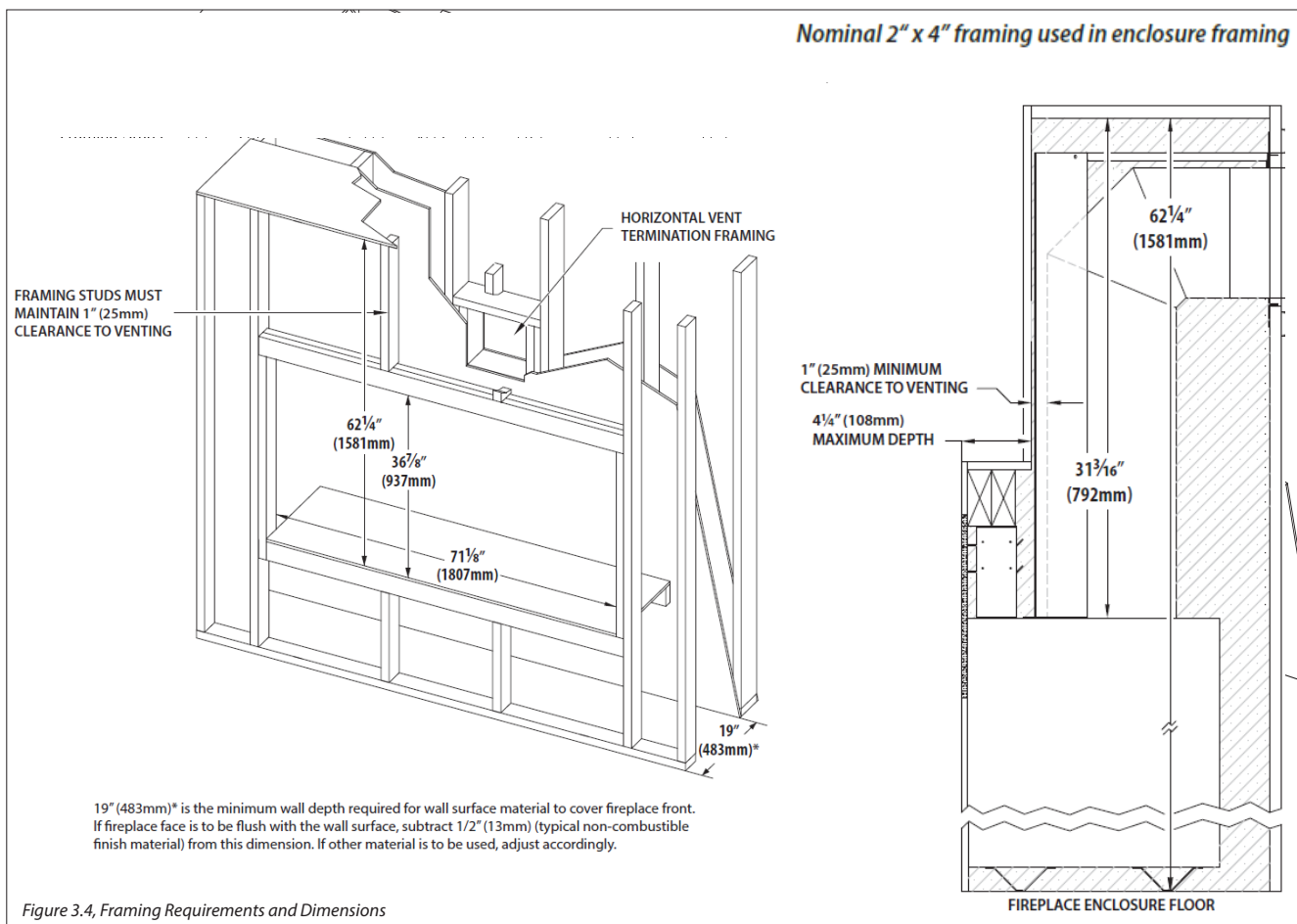


Figure 3.4, Framing Requirements and Dimensions

## 3.6 Vent Termination Framing

**IMPORTANT:** Vent cap location must be in compliance with Section 6.2 Minimum Termination Clearances on page 24.

**WARNING:** DO NOT RECESS THE VENT CAP INTO WALL OR SIDING.

### 3.6.1 Vertical Terminations

**CAUTION:** Cold air transfer area. The surround fireplace chase must comply with all clearances as outlined in this manual, and be constructed in compliance with local building codes. Outside walls should be insulated to prevent cold air from entering room.

- Follow vent pipe manufacturer's installation instructions for vertical terminations.
- A minimum of 1 in (25 mm) clearance on all sides of the vertical vent pipe must be maintained.
- Attic insulation shields may be insulated using unfaced insulation products listed as non-combustible per ASTM E 136.

### 3.6.2 Horizontal Terminations

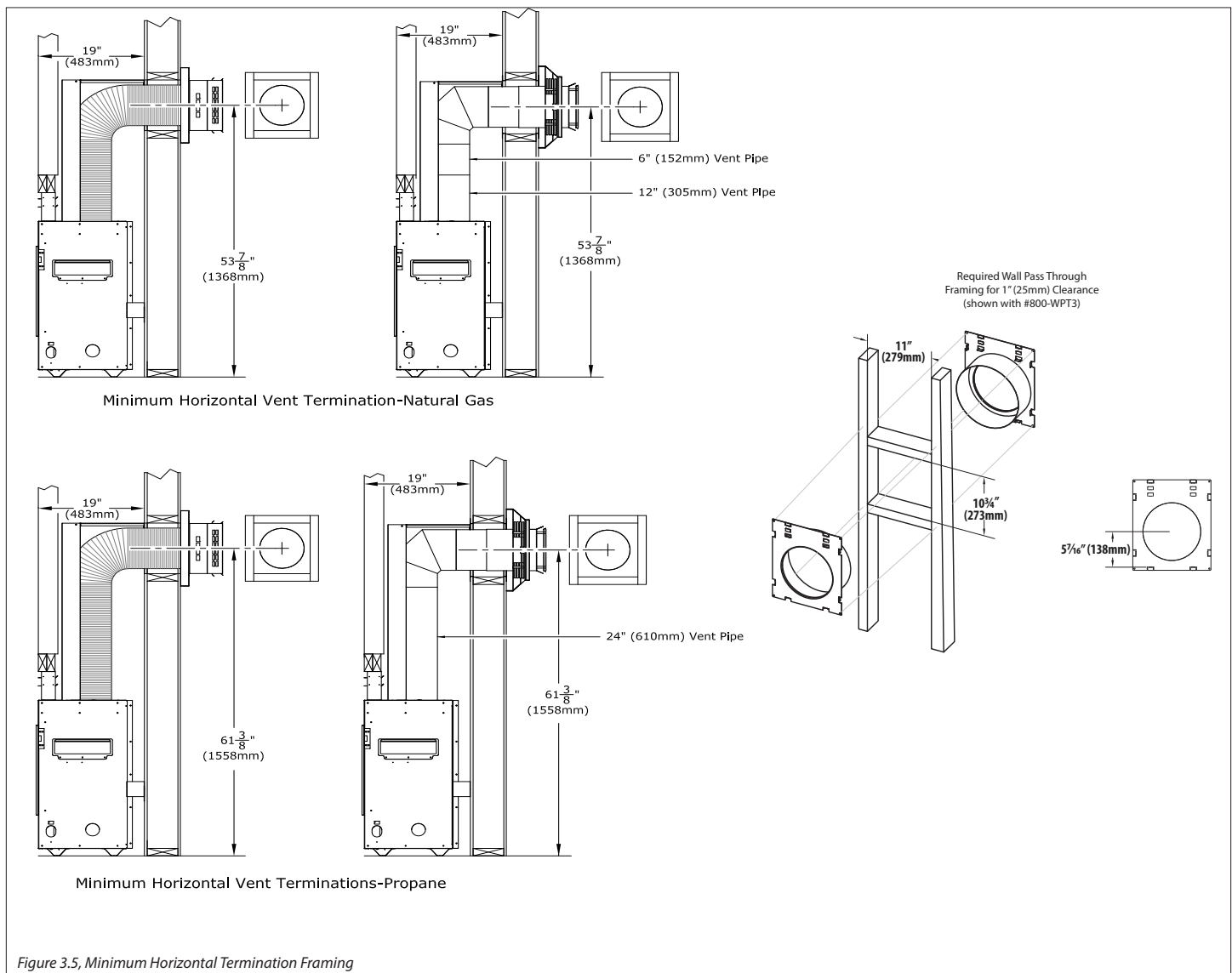
**IMPORTANT:** Horizontal vent sections require 1/4" (6 mm) rise for every 12" (305mm) of travel.

**IMPORTANT - METAL FAB VENT SYSTEM :** When installing Metal Fab

vent pipe, an adapter must be used. This will increase the minimum height for the center of the vent pipe by 3-1/4" (83mm) when framing the wall pass through.

**NOTE:** Kozy Heat's #800-WPT3, or wall thimble products that comply with the required 1" (25mm) clearance to combustibles must be installed for all horizontal vent (rigid or flexible) runs that pass through interior or exterior walls. These wall thimble products may be insulated using unfaced insulation products listed as noncombustible per ASTM E 136.

- Rigid pipe dimensions are tested with listed Simpson DuraVent 5" x 8" coaxial pipe venting system ONLY.
  - Flexible pipe framing dimensions are tested with Kozy Heat #800 Series Flexible Vent System. See the drawing below.
- Measure from floor level of the fireplace to the center of where the vent pipe will penetrate the wall.
  - Cut and frame an opening in the wall to allow the vent system to run level through the wall pass-through. A minimum of 1" (25mm) on all sides of the horizontal pipe at the wall pass-through must be maintained.
  - Follow the vent pipe manufacturer's installation instructions for vent installation.



## 3.7 Outdoor Covered Fireplace Installation

A outdoor covered fireplace installation allows a fireplace to be installed in an outdoor covered area, where the appliance is protected from direct precipitation.

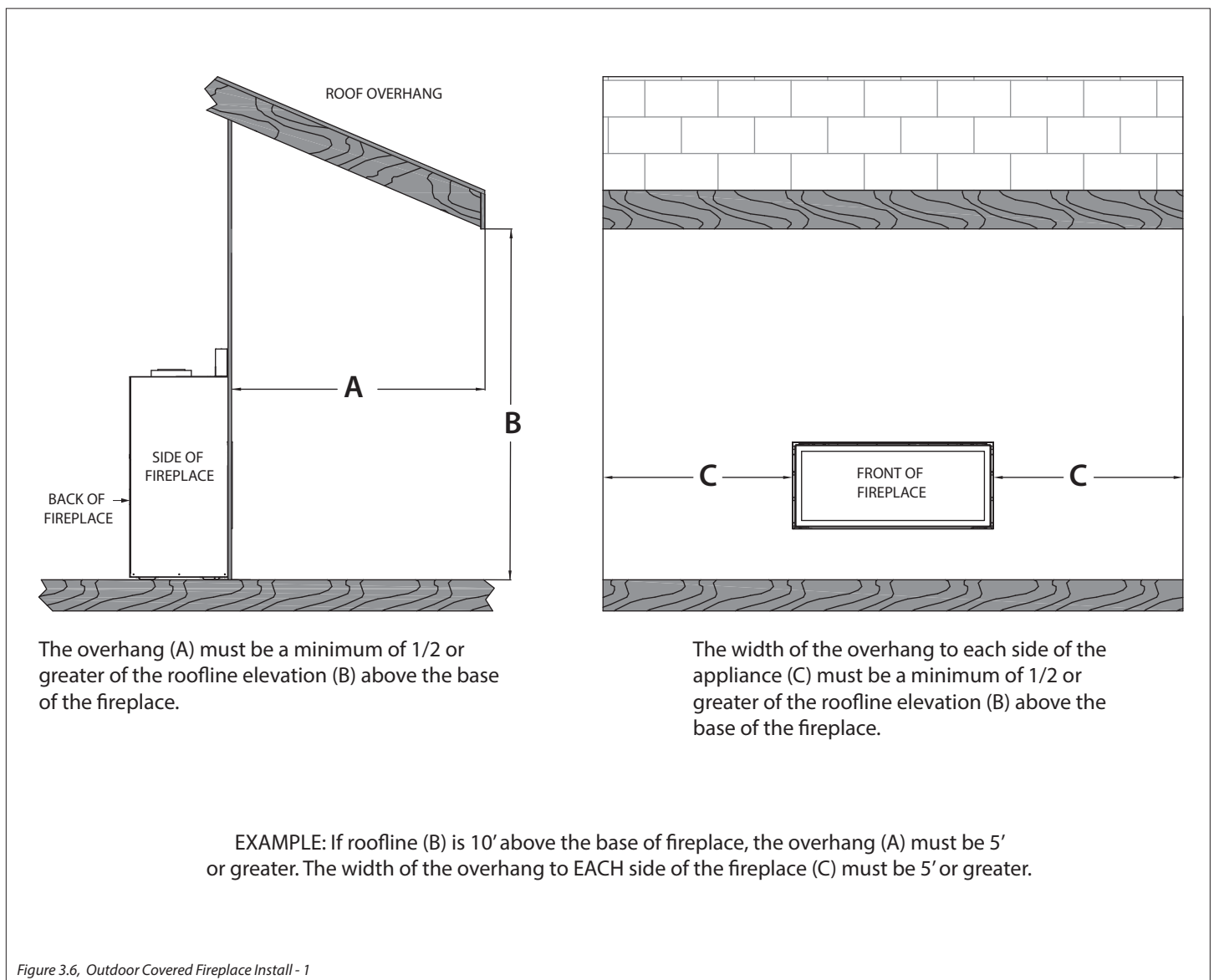
Follow the instructions and illustrations in this section for installation procedures.

### 3.7.1 Safety Screen Barriers

Hussong Mfg. highly recommends to use black painted safety barriers in outdoor installations. Other screen barriers that incorporate a plated or patina finish are highly susceptible to oxidation and discoloration.

### 3.7.2 Requirements

- The continuous insulated building envelope and weatherproof membrane are not to be interrupted by fireplace installation. See Figure 3.7 on the following page.
- Fireplace operation is approved from 40°F to 110°F.
- All wiring connections shall be in accordance with outdoor requirements of NECA NFPA 70.
- All clearances and requirements in your appliance manual must be adhered to.





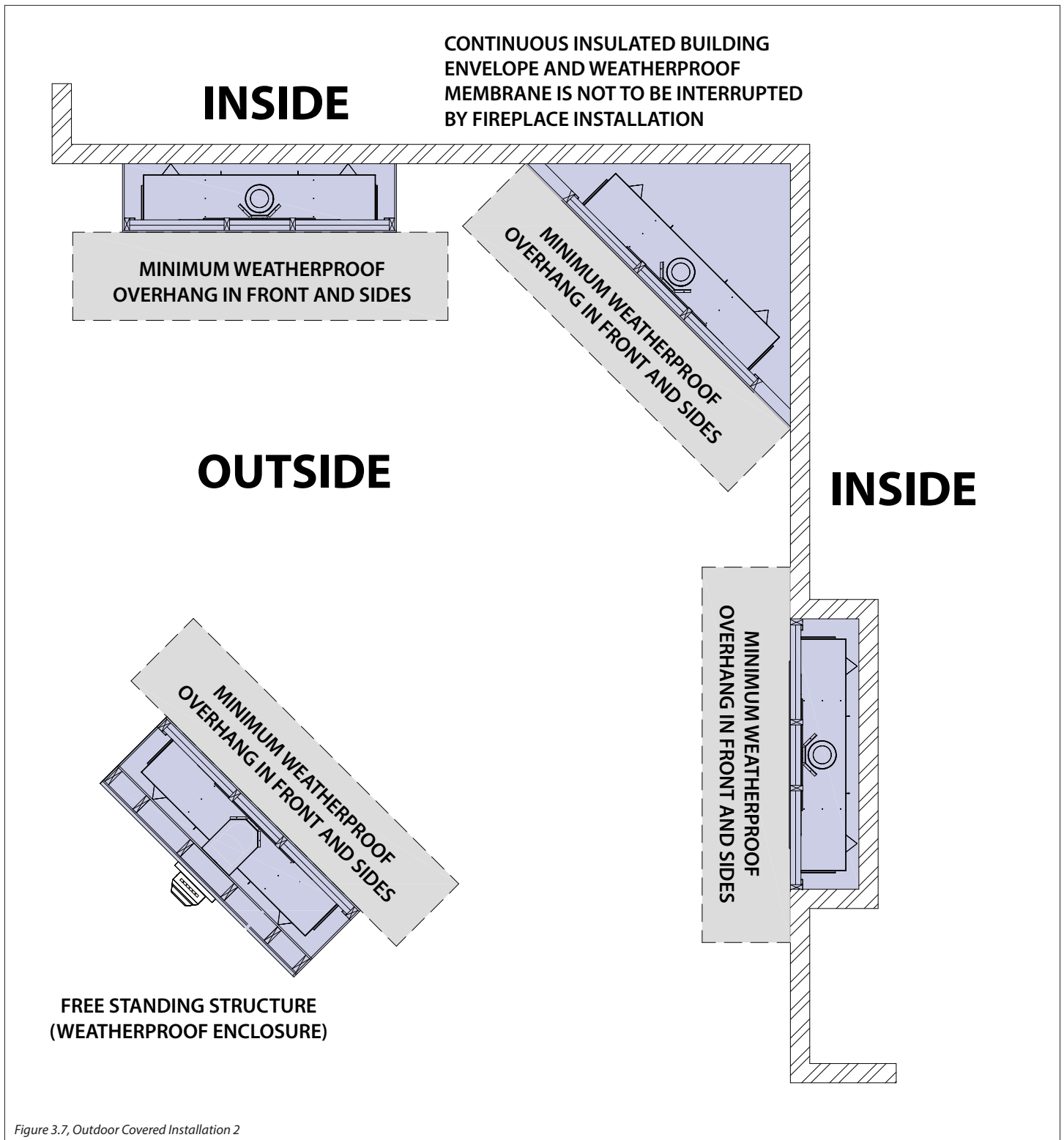


Figure 3.7, Outdoor Covered Installation 2

## 4.0 FACING AND FINISHING

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### 4.1 Standard Installation Facing and Finishing Requirements

**WARNING:** Maintain all minimum clearances to combustibles from the appliance and vent system.

#### 4.1.1 Mantel Requirements

**WARNING:** All minimum clearances to combustible material **MUST** be maintained.

- Combustible Mantel Projections - As referenced in Figure 5.1 (page 20), the 9" (229mm) mantel can start at 14-1/4" (362mm) above the finishing edge. Mantel projections can increase 1" (25mm) of depth for every 1" (25mm) of height starting at the 9" (229mm) mantel.
- Non-combustible Mantel Projections - Minimum Vertical and Maximum Horizontal: A minimum vertical clearance of 6 in (152 mm) above the finishing edge to a maximum 6 in (152 mm) depth of a non-combustible mantel. Follow projection 1 in (25 mm) up for every 1 in (25 mm) deeper.

#### 4.1.2 Adjacent Sidewall Requirements

- The adjacent sidewall must be 6" (152mm) from the finishing edge of the fireplace.

#### 4.1.3 Facing Requirements

- Non-combustible material is required at the top and sides of the fireplace. This fireplace is designed to accommodate non-combustible facing material up to 1/2 in (13mm) thick.
- Install facing material up to the finishing edge that surrounds the glass frame assembly. Do not apply any material beyond this point. The glass frame assembly must be removable.
- Do not secure material to the bottom front cover panel with screws, which may damage the control system components. Use a silicone sealant that has a 300°F (149°C) continuous exposure rating to secure material in this zone.
- It is acceptable to pre-drill holes and to use self-tapping screws to attach the non-combustible material to the top and sides of the fireplace face. See Figure 5.3 (page 20).

#### 4.1.4 Finishing Recommendations

**NOTE:** The surface area above the appliance may be affected by high temperatures emitted from this appliance. To help avoid or reduce the possibility of the sheetrock to crack, Hussong Mfg. recommends the following methods:

- Ensure the non-combustible material and sheetrock is dry and dust free.
- For taping and mudding seams, we recommend heat resilient tape, mesh and joint compounds, such as Durabond. Mud must be cured as per manufacturer's recommendations.
- For a painted surface, use a high quality acrylic latex primer and finish coat. Avoid flat or light-colored paints to prevent discoloring.

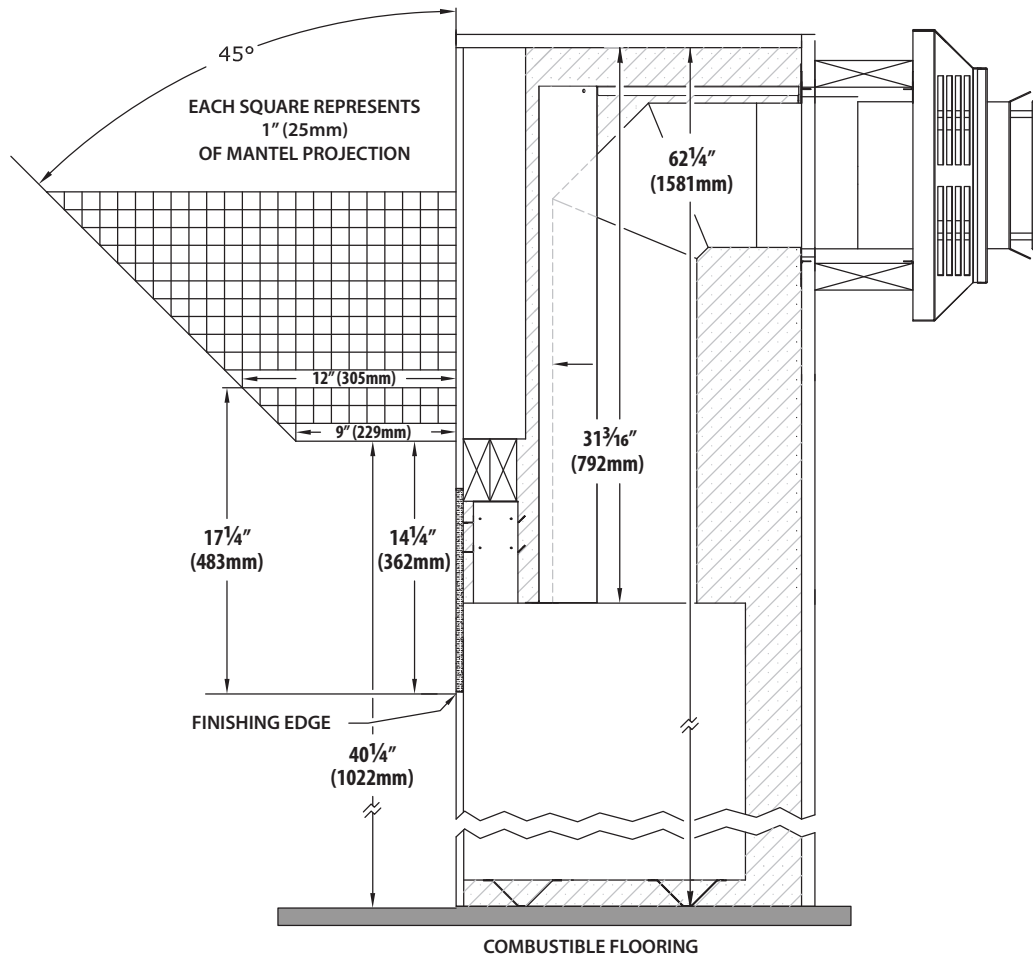


Figure 4.1, Mantel Requirements

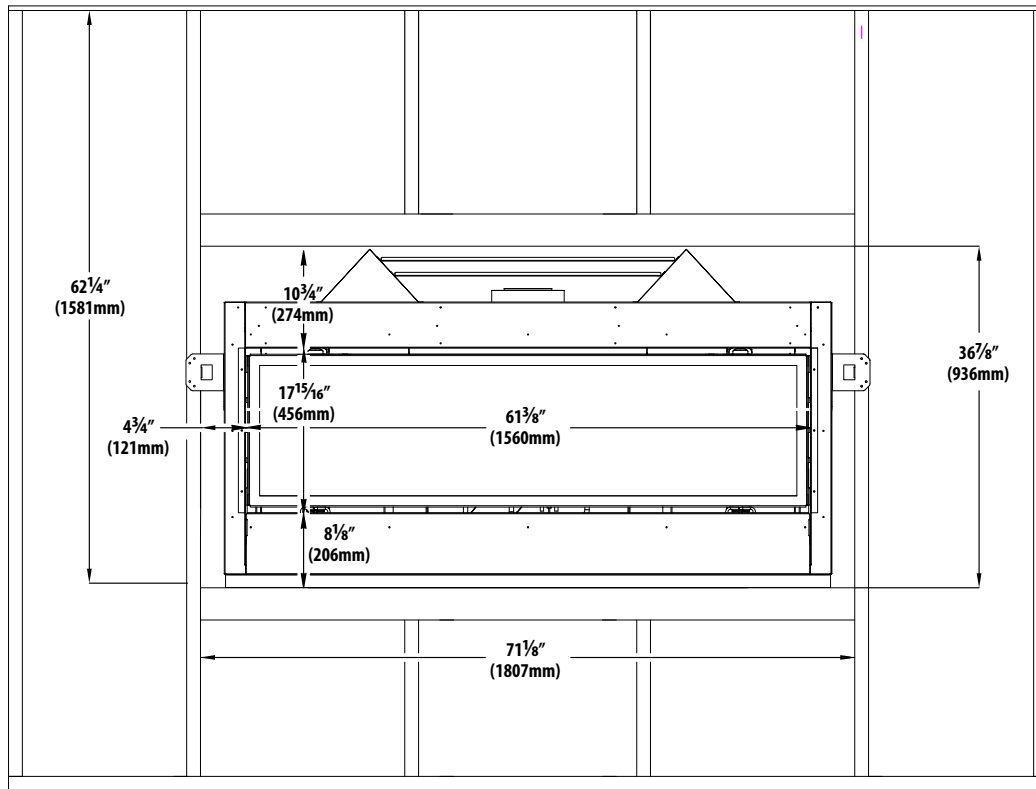


Figure 4.2, Framed Opening Dimensions

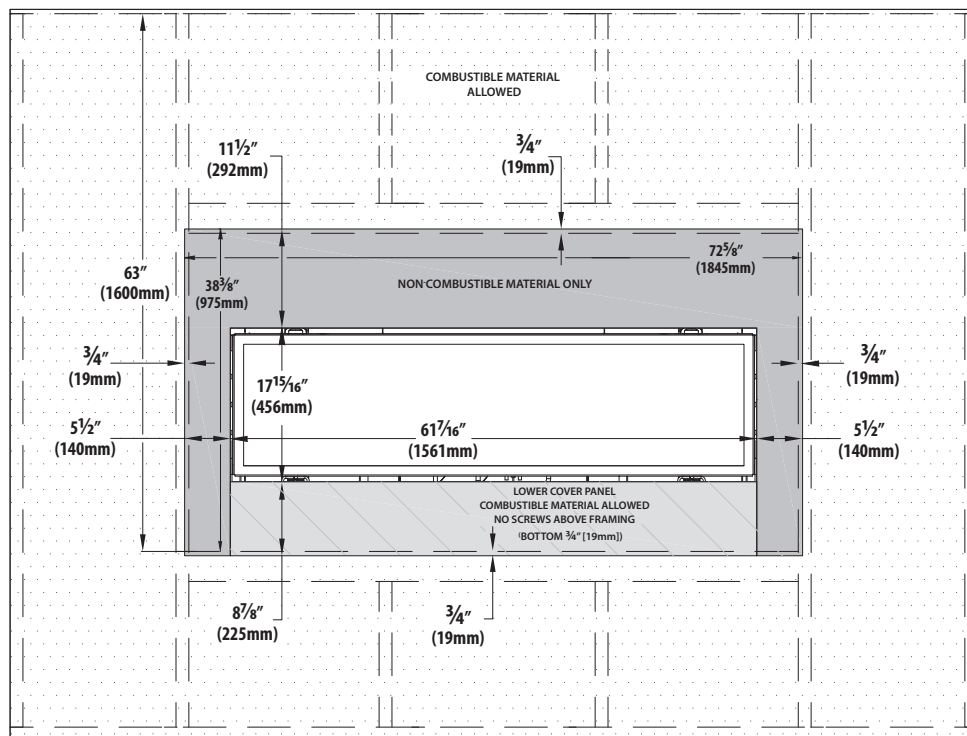


Figure 4.3, Minimum Non-Combustible Material Dimensions

## 4.2 Optional Trim Kit Assembly #SL60-FTK

For use **ONLY** with safety barrier #SL60-RSF.

**IMPORTANT:** This trim kit assembly must be attached before fireplace installation.

1. Locate the pre-drilled holes on the fireplace face surrounding the glass frame assembly. There are (5) holes above and (5) holes below the fireplace opening, and (3) holes on each side.
2. Align the top and bottom trim panels with the pre-drilled holes on the fireplace face. Position the flange on the trim panel as pictured below. Secure with screws included in components packet.
3. Align the left and right trim panels with the pre-drilled holes on the fireplace face. Position the flange on the trim panel as pictured below. Secure with screws included in components packet.

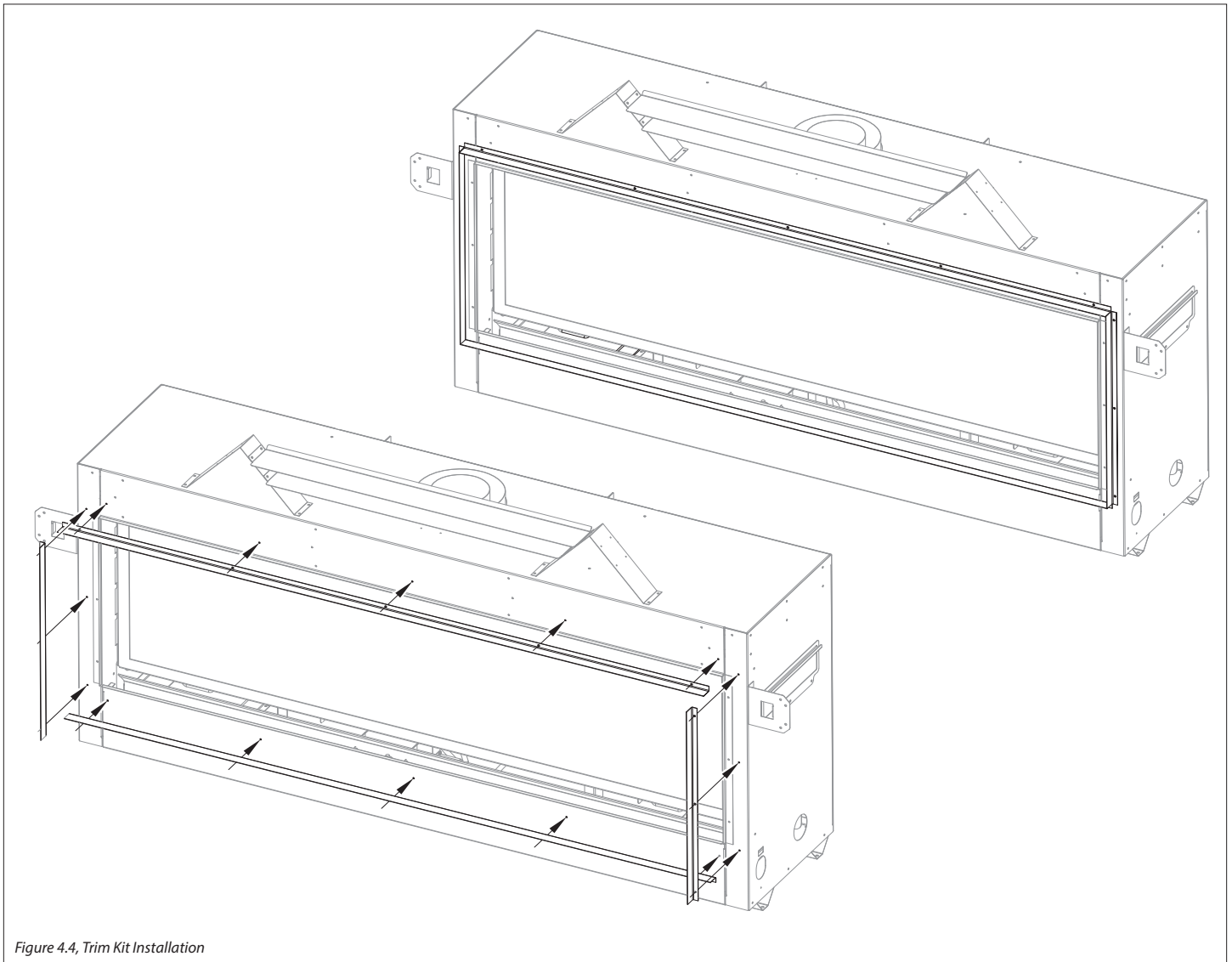


Figure 4.4, Trim Kit Installation

## 5.0 GAS LINE CONNECTION

### 5.1 Gas Conversion (sold separately)

**ATTENTION:** The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.

This fireplace is manufactured for use with natural gas. Follow the instructions included with the conversion kit if converting to propane.

### 5.2 Gas Line Installation

**CAUTION:** Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1. Commonwealth of Massachusetts installations must be done by a licensed plumber or gas fitter.

**NOTE:** The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi (3.5 kPa). For test pressures equal to or less than ½ psi (3.5 kPa), the appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve.

- A listed (and Commonwealth of Massachusetts approved) ½ in. (13 mm) tee handle manual shut-off valve and flexible gas connector are to be connected to the ½ in. (13 mm) control valve inlet. If substituting for these components, please consult local codes for compliance.
- This fireplace is equipped with a 3/8" (10 mm) x 18" (457 mm) long flexible gas connector and manual shut-off valve.
- Run gas line into fireplace. The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect. See Figure 2.1, SLA-60 Dimensions on page 9 for gas line hole access.
- Do not run gas line in a manner that would obstruct fan operation.
- For high altitude installations, consult the local gas distributor or the authority having jurisdiction for proper rating methods.

**Table 5.1, Inlet Gas Supply Pressures**

| Fuel        | Minimum Pressure                                     | Maximum Pressure    |
|-------------|--|---------------------|
| Natural Gas | 5" WC (1.25 kPa)<br>7" WC (1.74 kPa )<br>recommended | 10.5" WC (2.62 kPa) |
| Propane     | 12" WC (2.99 kPa)<br>recommended                     | 13" WC (3.24 kPa)   |

# 6.0 TERMINATION LOCATIONS

## 6.1 Vertical Vent Cap Termination

**WARNING:** This gas appliance must not be connected to a chimney serving any other appliance.

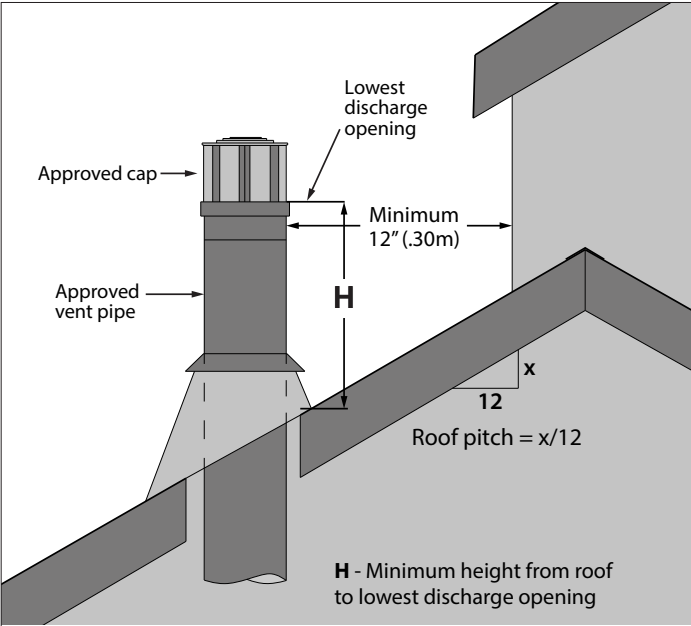
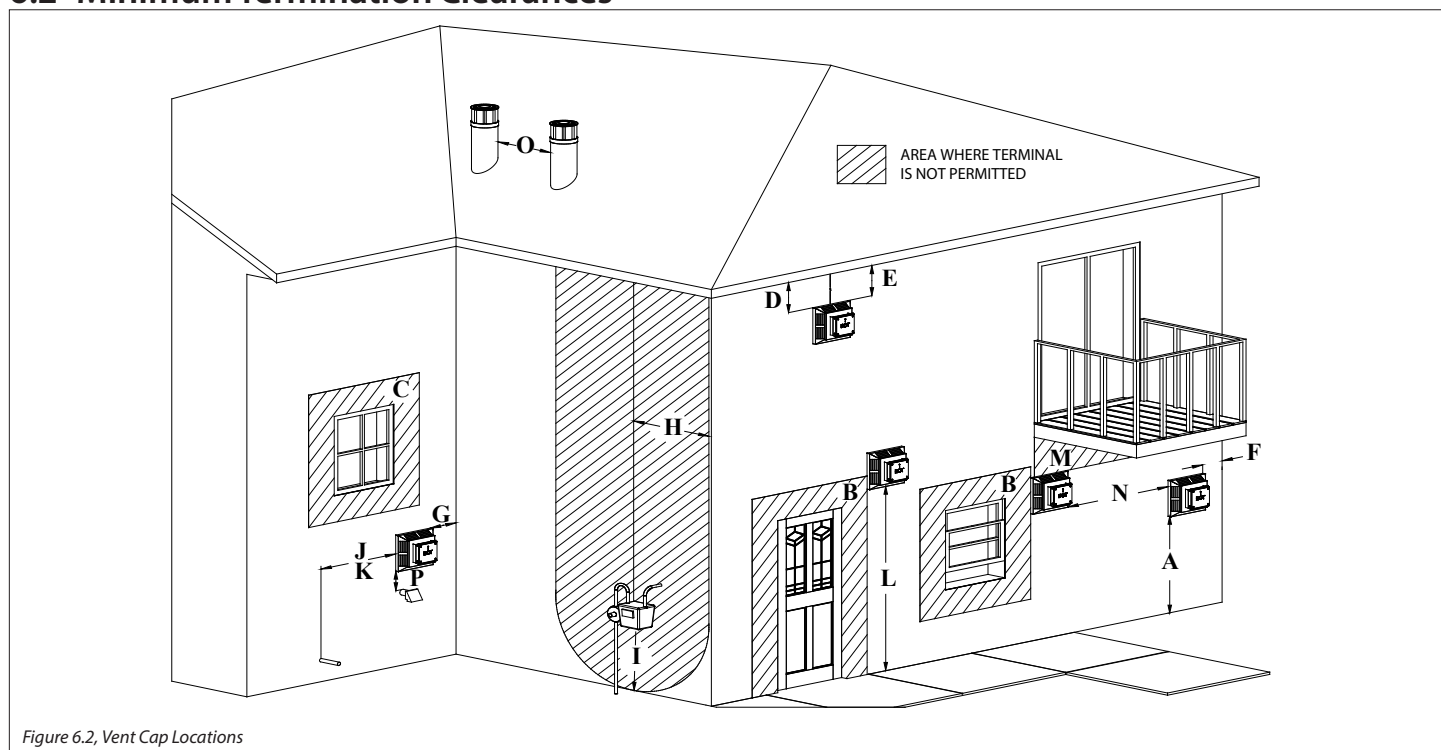


Figure 6.1, Vertical Vent Cap Clearance

| Roof Pitch          | Minimum height (H) from roof |        |
|---------------------|------------------------------|--------|
|                     | Feet                         | Meters |
| Flat to 6/12        | 1.0                          | 0.30   |
| Over 6/12 to 7/12   | 1.25                         | 0.38   |
| Over 7/12 to 8/12   | 1.5                          | 0.46   |
| Over 8/12 to 9/12   | 2.0                          | 0.61   |
| Over 9/12 to 10/12  | 2.5                          | 0.76   |
| Over 10/12 to 11/12 | 3.25                         | 0.99   |
| Over 11/12 to 12/12 | 4.0                          | 1.22   |
| Over 12/12 to 14/12 | 5.0                          | 1.52   |
| Over 14/12 to 16/12 | 6.0                          | 1.83   |
| Over 16/12 to 18/12 | 7.0                          | 2.13   |
| Over 18/12 to 20/12 | 7.5                          | 2.27   |
| Over 20/12 to 21/12 | 8.0                          | 2.44   |

## 6.2 Minimum Termination Clearances



|   |  | Canadian installations   | US installations   |
|---|--|--|--|
| 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   | 12 in (30 cm)  | 12 in (30 cm)  |
| C | Clearance to permanently closed window (recommended to prevent condensation on window)   | 12 in (30 cm)*   | 12 in (30 cm)*   |
| D | Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the cent line of the terminal | 24 in (61 cm)*   | 24 in (61 cm)*   |
| E | Clearance to unventilated soffit   | 12 in (30 cm)*   | 12 in (30 cm)*   |
| F | Clearance to outside corner  | 0 in (0 cm)*   | 0 in (0 cm)*   |
| G | Clearance to inside corner*  | 12 in (30 cm)*   | 12 in (30 cm)  |
| H | Clearance to each side of center line extended above meter/regulator assembly  | 3 ft (91 cm) within a height<br>15 ft (4.5 m) above the meter/<br>regulator assembly | *  |
| I | Clearance to service regulator vent outlet   | 3 ft (91 cm)   | *  |
| J | Clearance to non mechanical air supply inlet to building or the combustion air inlet to any other appliance  | 12 in (30 cm)  | 12 in (30 cm)  |
| K | Clearance to mechanical air supply inlet   | 6 ft (1.83 m)  | 3 ft (91 cm) above if within<br>10 ft (3 m) horizontally<br>Massachusetts: 10 ft (3 m) |
| L | Clearance above paved sidewalk or paved driveway located on public property  | 7 ft (2.13 m)†   | *  |
| M | Clearance under veranda, porch deck, or balcony  | 12 in (30 cm)‡   | 12 in (30 cm)  |
| N | Clearance between two horizontal terminations  | 12 in (30 cm)  | 12 in (30 cm)  |
| O | Clearance between two vertical terminations (may be same height)   | 12 in (30 cm)  | 12 in (30 cm)  |
| P | Above furnace exhaust or inlet   | 12 in (30 cm)  | 12 in (30 cm)  |

\* Clearance in accordance with local installation codes and the requirements of the gas supplier.

† A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

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

VINYL SOFFIT, VINYL CEILING, AND VINYL OVERHANG DISCLAIMER: Clearances to heat resistant material (i.e. wood, metal). This does not include vinyl. Hussong Manufacturing Co., Inc. will not be held responsible for heat damage caused from terminating under vinyl overhangs, vinyl ceilings, or vinyl ventilated/unventilated soffits.



## 7.0 VENTING

### 7.1 Approved Vent Systems

This appliance is equipped for use with a 5" (127mm) exhaust by 8" (203mm) air intake co-axial vent pipe system.

This appliance is approved for use with Kozy Heat 5" (127mm) x 8" (177mm) #800 Series Flexible Direct Vent System (horizontal terminations only). Refer to Section 7.7 #800-1 Series Direct Vent Termination Kit(s) on page 29.

Other approved vent manufacturers (horizontal and vertical terminations): American Metal Products (Ameri-Vent), BDM, ICC, Metal Fab\*, Olympia Chimney Supply, Inc., Selkirk, and Simpson DuraVent.

**\*WHEN INSTALLING METAL FAB VENT SYSTEM** with this appliance an adapter must be used. Use adapter part number 5DDA.

Refer to the vent manufacturer's installation manual for complete installation instructions. Vent installation must conform with venting requirements and restrictions as outlined in this manual.

### 7.2 Venting Requirements

*Consult the local and national installation codes to assure adequate combustion and ventilation air is available. Venting requirements apply to both natural gas and Propane.*

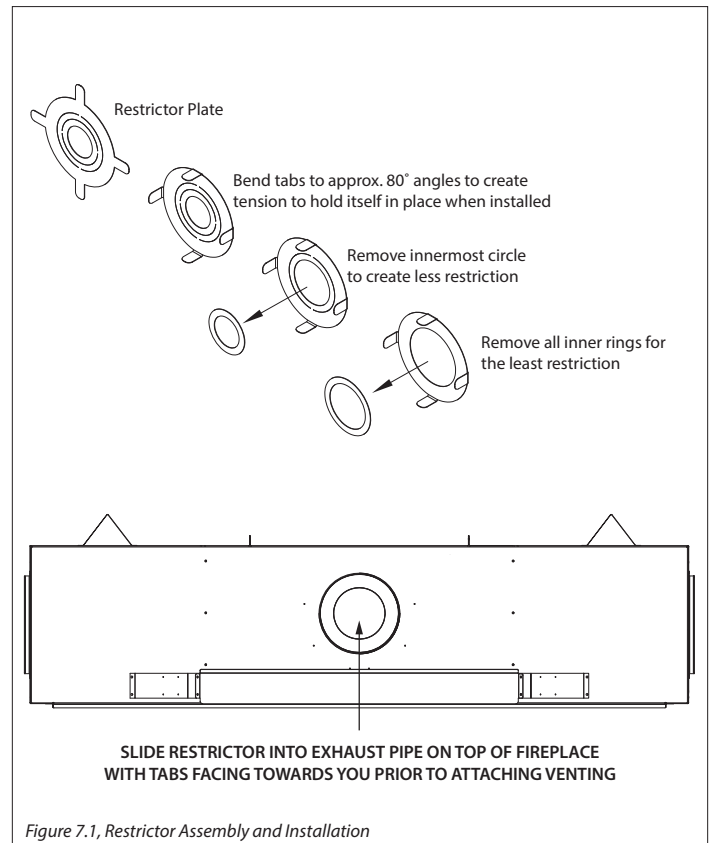
- Flame height and appearance will vary depending upon venting configuration and the type of fuel used.
- A minimum of 1 in (25 mm) clearance on all sides of the vertical vent pipe must be maintained. Attic insulation shields may be insulated using unfaced insulation products listed as noncombustible per ASTM E 136.
- A minimum of 1 in (25 mm) clearance on all sides of the horizontal vent pipe at the wall pass-through must be maintained. Wall thimble products that comply with the required 1 in (25 mm) clearance to combustibles must be installed for all horizontal vent runs that pass through interior or exterior walls. These wall thimble products may be insulated using unfaced insulation products listed as noncombustible per ASTM E 136.
- Natural gas and propane vent installations terminating with a snorkel cap require a minimum of 24 in (610mm) of vertical venting off the top of the appliance before the use of an elbow.
- The vertical vent heat shield **MUST** be installed for every type of venting application. The horizontal vent heat shield must be installed when incorporating minimum horizontal venting.
- Provide a means for visually checking the vent connection to the appliance after the fireplace is installed.

### 7.3 Elbows

- MAXIMUM NUMBER OF 90° ELBOWS: 5
- For each additional 90° elbow used after the first elbow, 3 ft (91.4 cm) must be subtracted from maximum venting allowed.
- For each 45° elbow used, 1½ ft (457 mm) must be subtracted from maximum venting allowed.
- (2) 45° degree elbows may be used in place of (1) 90° elbow.

### 7.4 Restrictor Plate Assembly and Installation

A restrictor plate (included in components packet) may be used to achieve desired flame appearance on any venting installation with at least 8 ft (2.4 m) of vertical pipe or more. Section 11.2.2 Vent Restriction on page 45 outlines restrictor plate recommendations depending on burner flame appearance, and instructions on installation after venting is completed.



## 7.5 Vertical Terminations

**IMPORTANT:** The vertical vent heat shield must be installed for every type of venting application. Refer to 7.8 on page 30.

**NOTE:** Attic insulation shields may be insulated using unfaced insulation products listed as non-combustible per ASTM E 136.

**Table 7.1, NG & Propane - Minimum / Maximum Vertical Terminations**

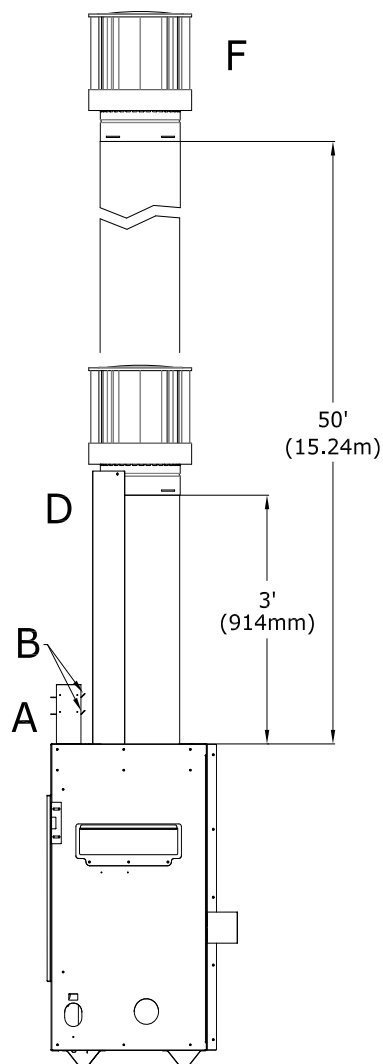
| Minimum Vertical Length |        | Maximum Vertical Length |        |
|-------------------------|--------|-------------------------|--------|
| 3 ft                    | 914 mm | 50 ft                   | 15.2 m |

**Minimum/ Maximum Vertical Venting:**

3' (914mm) minimum vertical length / 50' (15.24m) maximum vertical length + termination cap

**DIAG.1 NATURAL GAS AND PROPANE VERTICAL VENTING**

- (A) Stand-off Brackets
- (B) Stand-off Heat Shields
- (C) 90° Elbow (not applicable)
- (D) Vertical Vent Heat Shield
- (E) Horizontal Vent Heat Shield (not applicable)
- (F) Termination Cap



7.6 Combination Venting

7.6.1 Natural Gas Installations

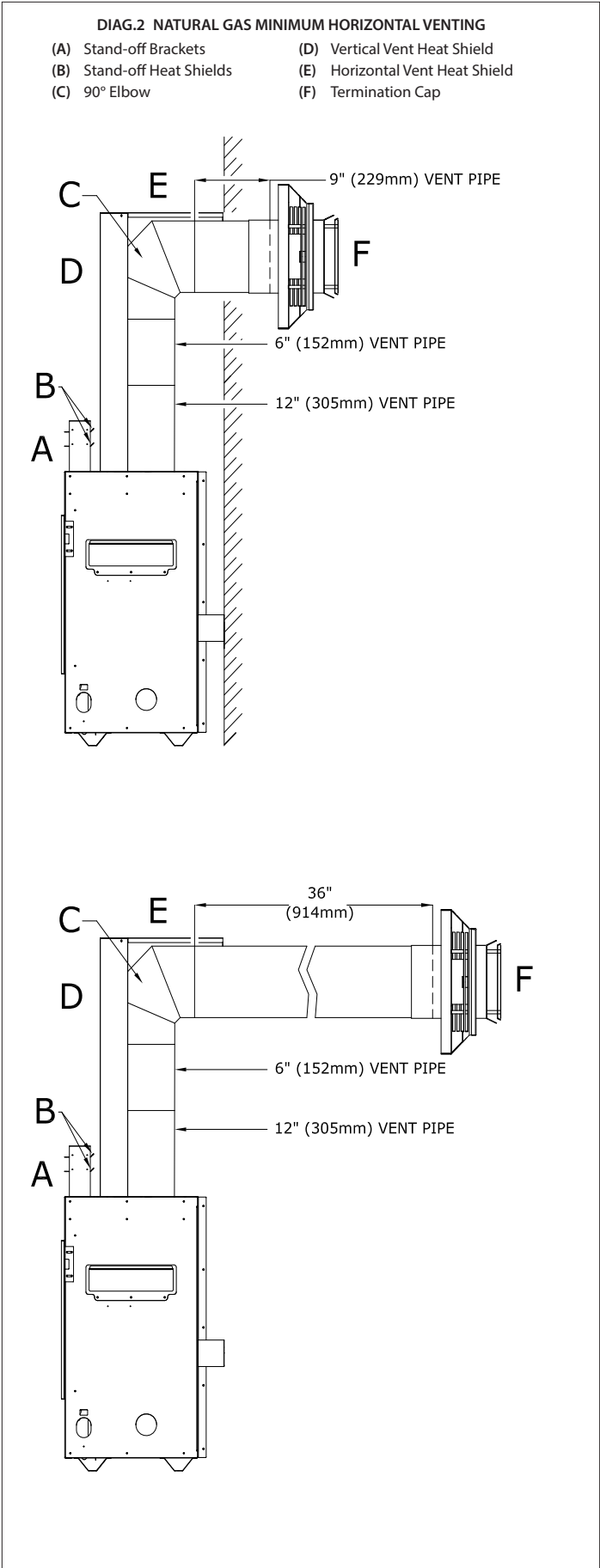
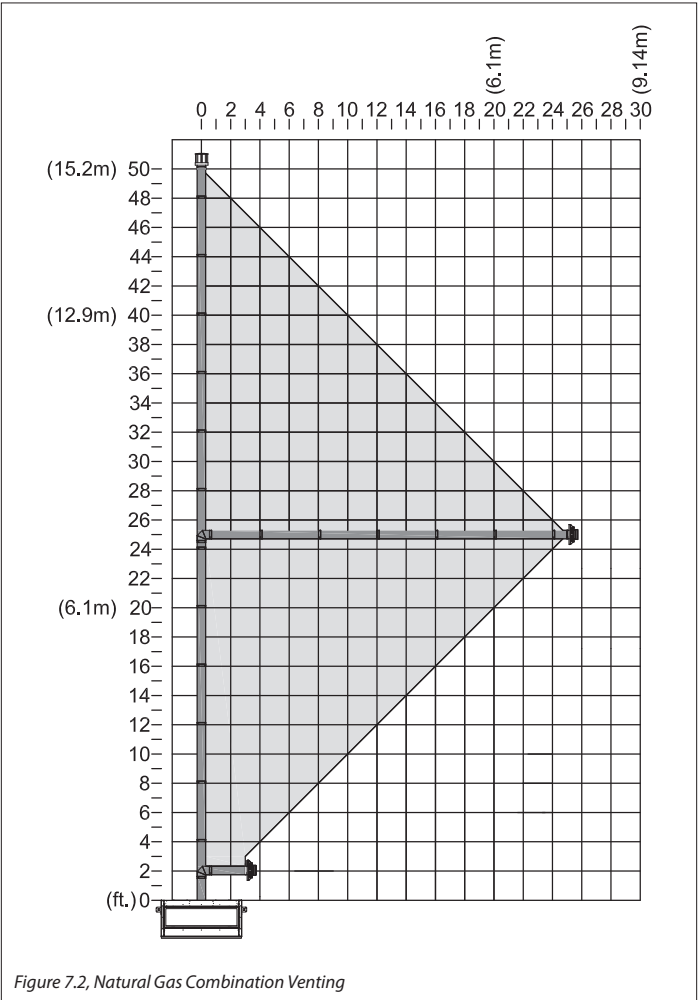
**IMPORTANT:** The vertical vent heat shield included with this fireplace must be installed for all venting configurations. The horizontal vent heat shield must be installed when incorporating minimum horizontal venting. Refer to 7.8 on page 30.

**IMPORTANT:** Horizontal vent sections require ¼ in (6 mm) rise for every 12 in (305 mm) of travel.

| Table 7.2, NG - Minimum Horizontal Vent Terminations |                  |                              |        |                        |        |
|--|------------------|------------------------------|--------|------------------------|--------|
| Minimum Vertical Vent Pipe                           |                  | Minimum Horizontal Vent Pipe |        | Maximum Horizontal Run |        |
| 12 in<br>+ 6 in                                      | 305mm<br>+ 152mm | 9 in                         | 229 mm | 36 in                  | 914 mm |

**Minimum Vertical Vent Pipe, Min. / Max. Horizontal Terminations:**  
12" + 6" (305mm + 152mm) minimum vertical vent pipe + 90° horizontal elbow + 9" (229mm) minimum horizontal vent pipe / 36" (914mm) maximum horizontal run + termination cap

| Table 7.3, NG - Max Vertical / Max Horizontal Combination |       |                        |       |              |        |
|---|-------|------------------------|-------|--------------|--------|
| Maximum Vertical Rise                                     |       | Maximum Horizontal Run |       | Total Length |        |
| 25 ft   | 7.6 m | 25 ft                  | 7.6 m | 50 ft        | 15.2 m |
| Maximum number of 90° elbows: 5                           |       |                        |       |              |        |



7.6.2 Propane Installations

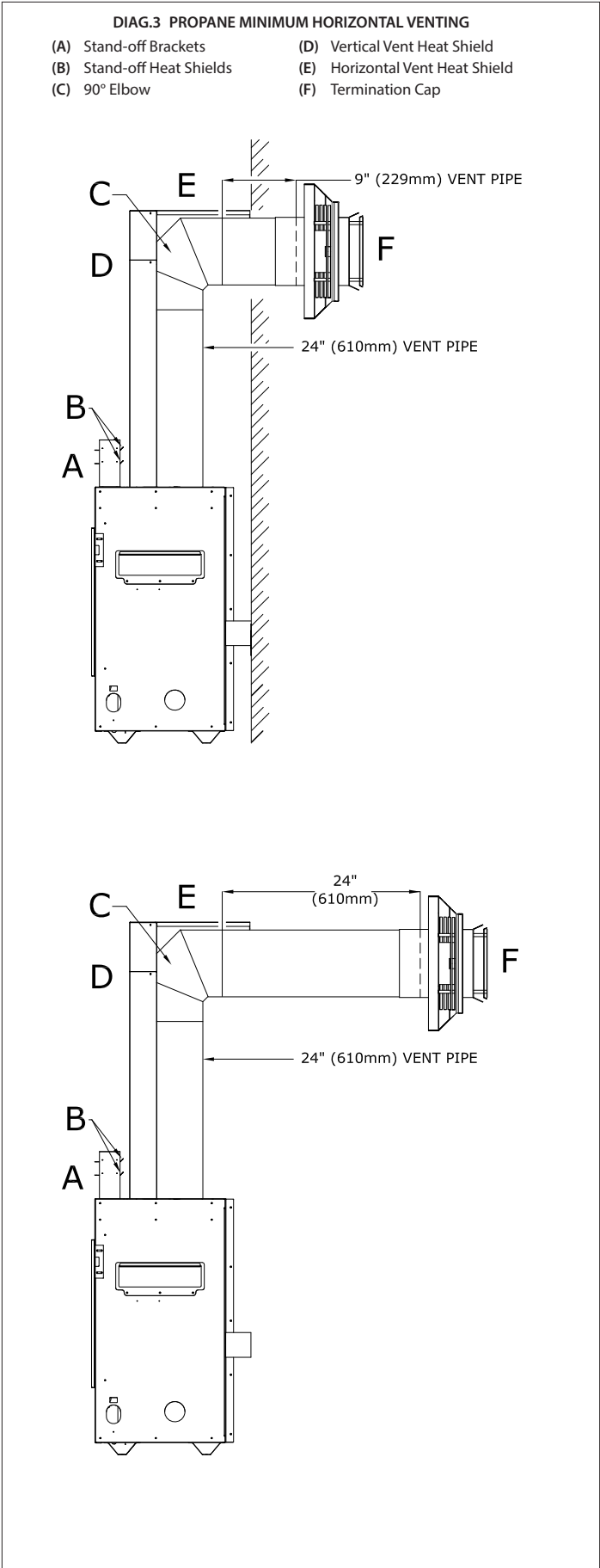
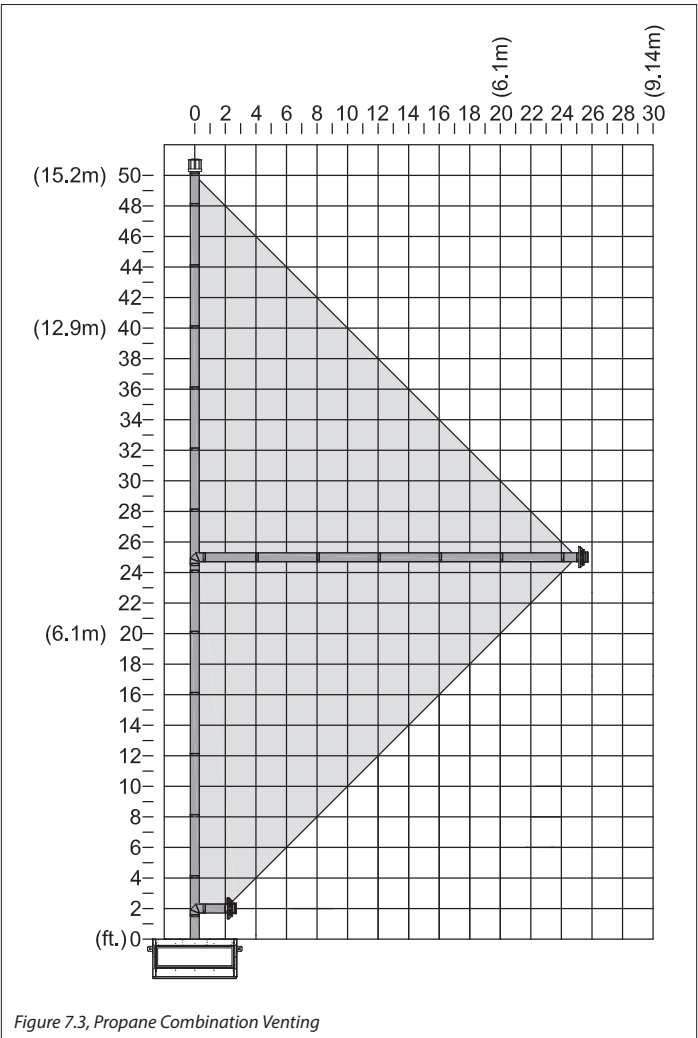
**IMPORTANT:** The vertical vent heat shield included with this fireplace must be installed for all venting configurations. The horizontal vent heat shield must be installed when incorporating minimum horizontal venting. Refer to 7.8 on page 30.

**IMPORTANT:** Horizontal vent sections require ¼ in (6 mm) rise for every 12 in (305 mm) of travel.

| Table 7.4, Propane - Minimum Horizontal Vent Terminations |        |                              |        |                        |        |
|---|--------|------------------------------|--------|------------------------|--------|
| Minimum Vertical Vent Pipe                                |        | Minimum Horizontal Vent Pipe |        | Maximum Horizontal Run |        |
| 24 in   | 610 mm | 9 in                         | 229 mm | 24 in                  | 610 mm |

**Minimum Vertical Vent Pipe, Min. / Max. Horizontal Terminations:**  
24" (610mm) vertical vent pipe + 90° horizontal elbow + 9" (229mm) minimum horizontal vent pipe / 24" (610mm) maximum horizontal run + termination cap

| Table 7.5, Propane- Max Vertical / Max Horizontal Combination |       |                        |       |              |        |
|---|-------|------------------------|-------|--------------|--------|
| Maximum Vertical Rise   |       | Maximum Horizontal Run |       | Total Length |        |
| 25 ft   | 7.6 m | 25 ft                  | 7.6 m | 50 ft        | 15.2 m |
| Maximum number of 90° elbows: 5                               |       |                        |       |              |        |



## 7.7 #800-1 Series Direct Vent Termination Kit(s)

**IMPORTANT:** The flex pipe is permanently attached to the exterior plate. **DO NOT ATTACH** either #844-1 or #845-1 termination kit to fireplace (or extension kit) until it has passed through the wall. Install termination plates to the outside wall exterior.

**IMPORTANT:** Care should be taken when installing the flexible vent pipe to avoid a tight bend that may cause abrasion or damage to the flexible pipe.

- The minimum bend radius to center is 6" (152mm) required for installation of the flexible vent pipe.
- If terminating against vinyl siding, a vinyl siding protector must be used (included with the #844-1 and #845-1 direct vent kits). Follow instructions included.
- Each #846-1 extension kit contains enough 5" & 8" flexible aluminum pipe to extend chimney an additional 6' (1.83 m)

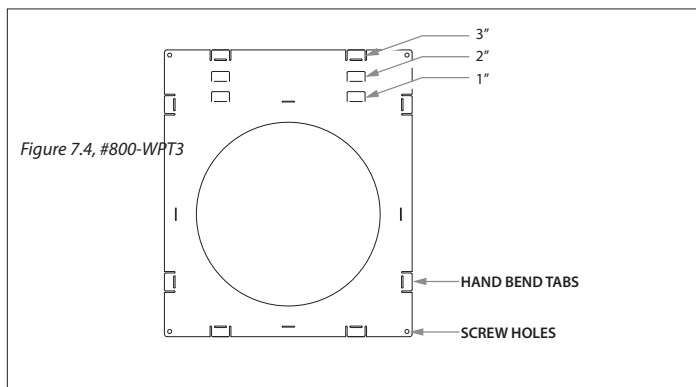
### 7.7.1 #800-WPT3 Installation Instructions

**IMPORTANT:** The heat shield within the wall thimble must overlap a minimum of 1-1/2" (38mm). An extension will be needed if going through a thicker wall than 6-1/2" (165mm). Refer to BDM vent manufacturer if wall extension is necessary.

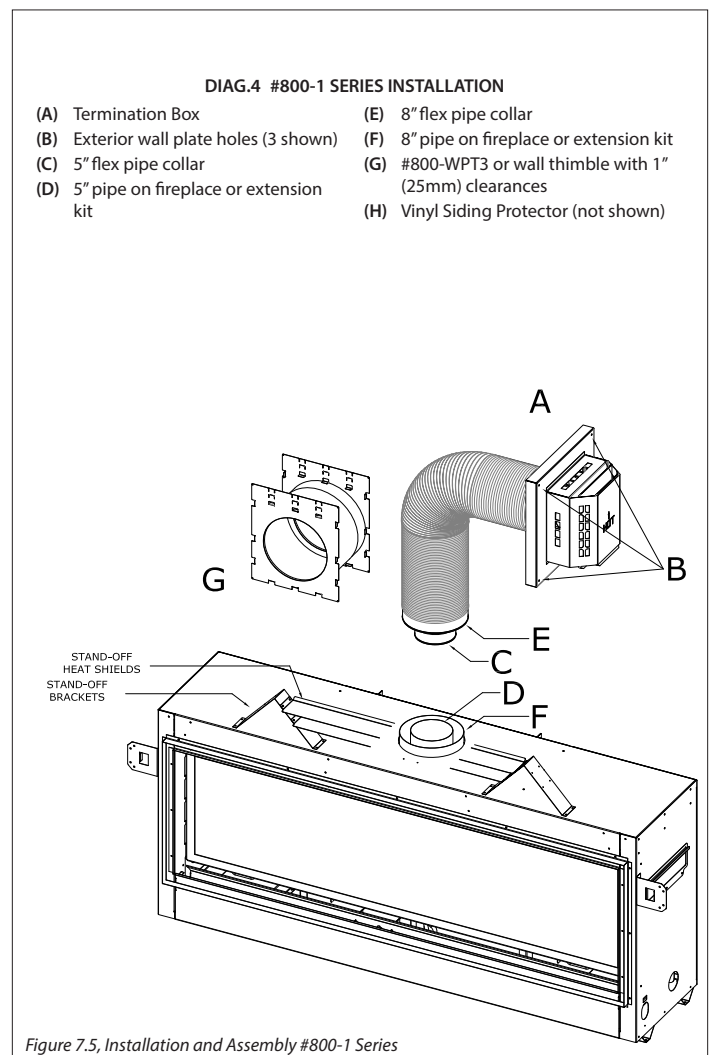
1. Hand bend the (2) tabs on the top of the wall pass through at the 1" (25mm) top required clearance. Hand bend the (6) tabs on the sides and bottom of the wall pass through. Repeat for the other section.
2. From the interior, install one section of the wall pass through. Secure with (4) screws (not provided).
3. From the exterior, install the other section of the wall pass through, overlapping the heat shields as necessary to accommodate wall thickness. The sections must overlap a minimum of 1-1/2" (38mm). Secure to exterior wall with (4) screws (not provided).

### 7.7.2 Vent Assembly and Installation

1. Mount the required #800-WPT3 (G), or a wall thimble that complies with the required 1" (25mm) top, bottom, and side clearances to the exterior wall, and seal. (OPTIONAL) insulate the wall-pass through with any unfaced insulation products listed as non-combustible per ASTM E 136.



2. Apply a liberal bead of exterior sealant around outer edge of termination box (A), placing assembly through the wall-pass through in exterior wall. Place screws through the four holes (B), securing it in place.
3. Form the 5" & 8" flexible aluminum pipes on termination kit (#844-1 or #845-1), and if applicable, on each extension kit.
4. Gently pull 5" & 8" pipes down to the top of the fireplace, or if applicable, the extension kit. **DO NOT stretch extension kit beyond 6' (1.83m); DO NOT stretch beyond what is required. It is very difficult to decompress flex pipes once stretched.**
5. Place a bead of sealant outside 5" flex pipe collar (C) (end with EXTERNAL LIP) and sliding it into 5" pipe on extension kit or top of fireplace (D). Secure with 3 evenly spaced screws.
6. Place a bead of sealant inside 8" flex pipe collar (E) (end with the INTERNAL lip), sliding it over 8" pipe on top of fireplace (F). Secure with 3 evenly spaced screws.
7. If additional extension kits are required, repeat Steps 4 and 5, placing 5" & 8" pipes onto previous extension kit.



## 7.8 Vent Heat Shield Assembly Installation

**IMPORTANT:** The vertical vent heat shield **MUST** be installed for every type of venting application. The horizontal vent heat shield must be installed when incorporating minimum horizontal venting.

**NOTE:** There are (6) screw holes located in front of the flue outlet to offset the vent heat shield assembly in front of the vent pipe. Align the heat shield as necessary for your venting installation.

### 7.8.1 Vertical Vent Heat Shield Installation

1. Position the vertical vent heat shield in front of the vent pipe, with the flanges facing towards the fireplace face as necessary for the type of installation.
2. Align the (2) slots on the vertical heat shield flanges with corresponding screw holes located in front of the flue outlet on the top of the fireplace.
3. Secure the vertical vent heat shield to the fireplace with (2) attachment screws (provided in the components package).

### 7.8.2 Minimum Horizontal Venting

1. Bend perforation on the (3) hand-tabs down on the horizontal vent heat shield.
2. Locate (3) screw holes at the top of the vertical vent heat shield. For Propane vent installations, attach the 6 in (152mm) attachment piece to the vertical vent heat shield.
3. Align the (3) slots on horizontal vent heat shield tabs to the corresponding (3) screws holes on the vertical vent heat shield necessary for your installation.
4. Attach the horizontal vent heat shield with screws (provided) through the screw holes on the vertical vent heat shield. The 1 in (25 mm) vent stand-off tab will rest on top of the vent pipe.

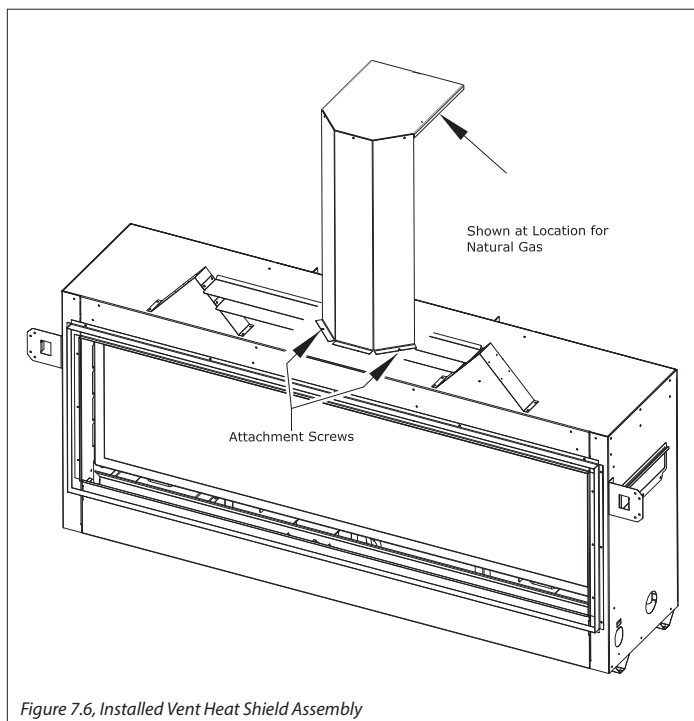


Figure 7.6, Installed Vent Heat Shield Assembly

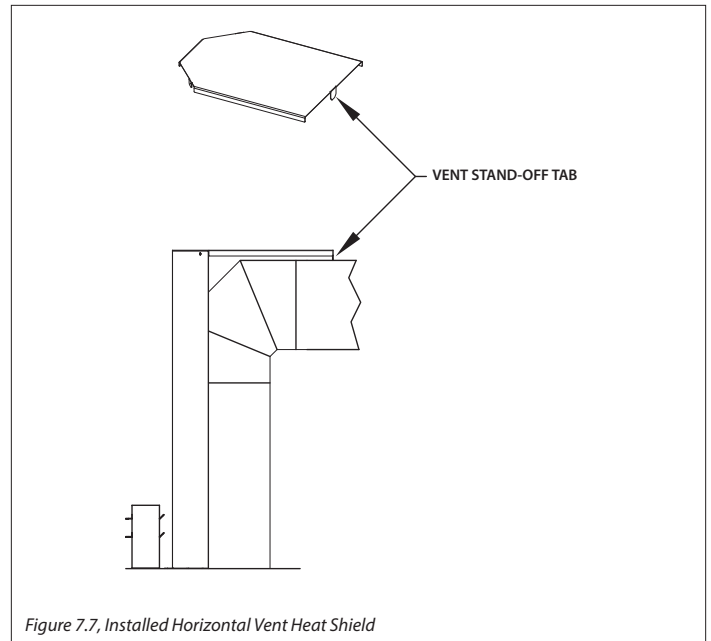


Figure 7.7, Installed Horizontal Vent Heat Shield

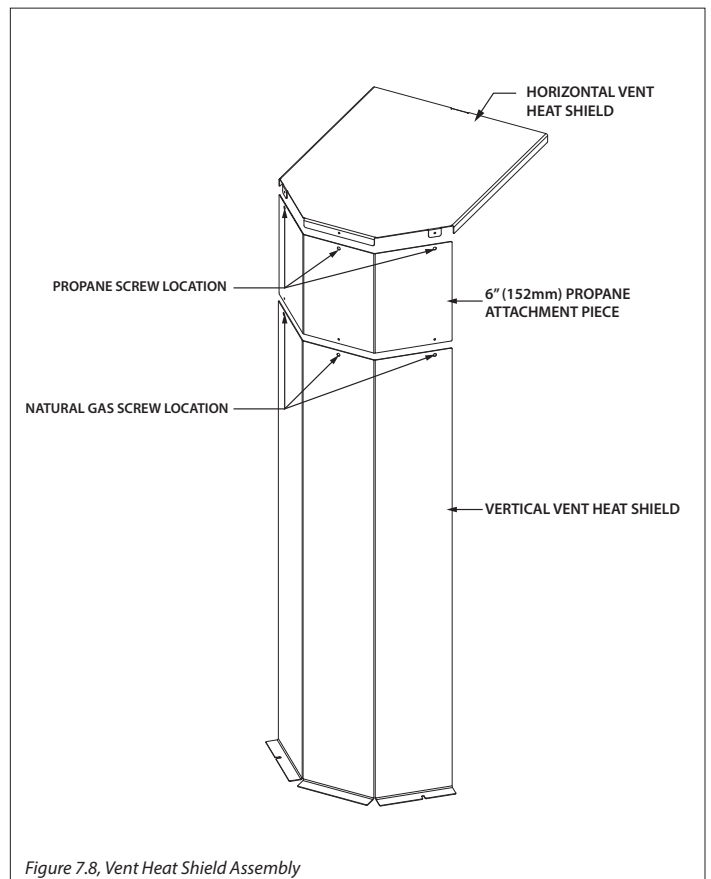


Figure 7.8, Vent Heat Shield Assembly

## 8.0 FIREPLACE SET UP

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### 8.1 Glass Frame Assembly

**WARNING:** Do not operate this fireplace with the glass removed, cracked, or broken. Replacement of the glass assembly should be done by a licensed or qualified service person.

#### 8.1.1 Remove Glass Frame Assembly

**WARNING:** Do not remove the glass assembly when hot.

1. Remove the safety barrier.
2. Remove the valve access cover.
3. Locate (2) spring-loaded latches securing the glass assembly at the bottom of the firebox.
4. Pull the spring-loaded latches out and down to release the bottom of the glass assembly.
5. Lift glass assembly up and off of the (2) tabs located at the top of the firebox.

#### 8.1.2 Install Glass Frame Assembly

1. Align the slots on top of the glass assembly over the tabs at the top of the firebox while lowering the bottom of the glass assembly into position.
2. Pull the spring-loaded latches out and up to secure the bottom of glass to the bottom of the fireplace.
3. Reinstall valve access cover
4. Reinstall safety barrier.

### 8.2 Light Kit

**CAUTION:** Disconnect all electrical power from the fireplace before performing this task.

**ATTENTION:** If converting to propane, complete the conversion before installing any light kit components. Follow instructions provided with the conversion kit (sold separately).

**NOTE:** To avoid damage and prolong the life of the halogen bulbs, never touch with bare hands. Always use a soft cloth when handling.

#### 8.2.1 Install Light Kit

1. Remove the safety barrier and glass frame assembly.
2. Remove glass media (if installed).
3. Remove (14) screws securing burner cover. Lift cover out of firebox.
4. Install (6) halogen bulbs (included in component packet) into lamp bases.
5. Reinstall the burner cover with (14) screws previously removed.
6. Reinstall glass media, glass frame assembly, and safety barrier.



## 8.3 Glass Media

**WARNING: DO NOT BLOCK PILOT WITH GLASS MEDIA. A BLOCKED PILOT MAY CAUSE DELAYED IGNITION.**

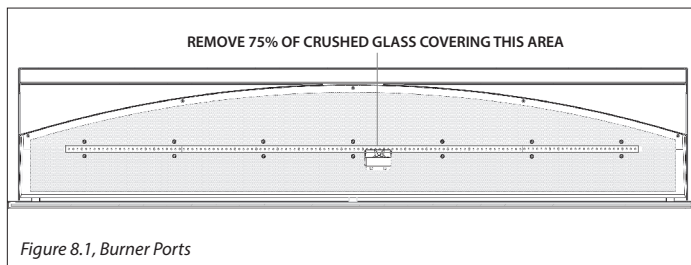
**NOTE: Follow instructions below for proper installation of your specific glass media. Do not substitute materials.**

### 8.3.1 #115 Series Glass Media Installation

1. Remove glass media from its packaging. The glass media may be cleaned prior to installation. See 8.3.44 below.
2. Install 15 lbs. (6.8 kg) of glass beads onto burner assembly and pilot shield.
3. Verify glass media is one layer deep across the firebox and does not block any burner ports. Do not block the pilot assembly.
4. Save any unused media for later use.

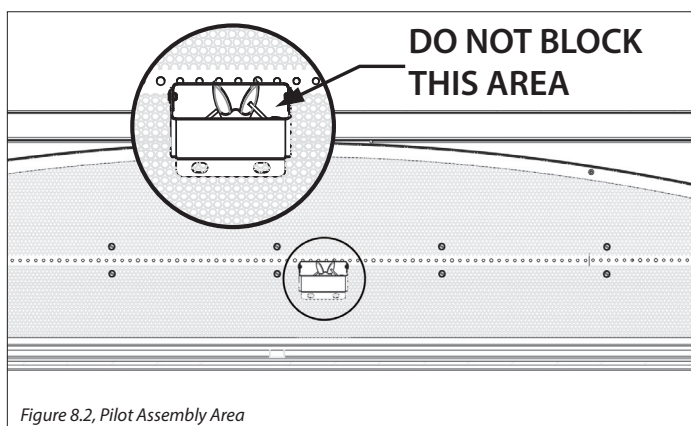
### 8.3.2 #215 Series Glass Media Installation

1. Remove glass media from its packaging. The glass media may be cleaned prior to installation. See 8.3.4 below.
2. Install 15 lbs. (6.8 kg) of crushed glass onto burner assembly and pilot shield.
3. Remove 75% of the crushed glass covering the burner ports. Do not block the pilot assembly.
4. Save any unused media for later use.



### 8.3.3 #311 Series Glass Media Installation

1. Remove glass media from its packaging. The glass media may be cleaned prior to installation. See 8.3.4 below.
2. Install 11 lbs. (4.99 kg) of crushed glass onto burner assembly and pilot shield.
3. Save any unused media for later use.



### 8.3.4 Cleaning Glass Media

As a natural reaction from direct contact to heat and exposure to flame, glass media may discolor or produce a fine oil residue. Follow instructions below to clean glass media. Contact your local authorized dealer for replacement glass media.

- Remove glass media from firebox using protective gloves.
- Clean glass media with mild dish soap and water.
- Drain and rinse the glass media thoroughly. Verify the glass media is completely dry before placing on media tray.
- Follow instructions above for your specific glass media reinstallation. Do not block the pilot assembly with glass media.



## 8.4 Control Board Removal and Installation

**WARNING:** If burner and/or pilot have been burning, use appropriate protection to avoid burns or damage to personal property before removing any components. DO NOT OPERATE THIS APPLIANCE WITHOUT THE SEALING GASKET (LOCATED UNDER THE CONTROL BOARD) IN PLACE. IF GASKETING IS DAMAGED, IT MUST BE REPLACED.

**CAUTION:** Check all connections for leaks with soapy water, whether field or factory made.

### 8.4.1 Control Board Removal

1. Disconnect electrical power.
2. Locate the manual valve installed by your qualified service technician.
3. Turn the manual valve clockwise to the OFF position.
4. Remove the safety barrier and glass frame assembly.
5. Remove glass media and media dam.
6. Remove burner cover (14) screws.
7. Use a 7/16" wrench to remove (2) 1/4" flange nuts securing the side burner tubes. Remove side burner tubes from mounting cradles.
8. Remove the center burner tube from its mounting cradles.
9. Use a 7/16" wrench to remove (2) 1/4" flange nuts securing the light bar. Remove assembly from firebox.
10. Remove and save (12) screws securing the control board.
11. Lift the control board out of the firebox, being careful not to damage sealing gasket underneath.

### 8.4.2 Control Board Installation

1. Place control board in firebox, aligning holes in the board to the holes in the firebox floor. VERIFY SEALING GASKET IS IN PLACE.
2. Secure the control board to the firebox using (12) screws previously removed.
3. Reinstall the light kit assembly using (2) nuts previously removed.
4. Reinstall the center burner. Position the venturi over the burner orifice, aligning the burner tube with the mounting cradles.
5. Reinstall the side burner tubes. Position the burner tubes over the burner orifices and align with the mounting cradles. Secure with (2) flange nuts previously removed.
6. Reinstall burner cover (14) screws.
7. Reinstall the media dam and glass media, being careful not to block pilot with glass media.
8. Reinstall the glass frame assembly and safety barrier.
9. Turn the manual valve counterclockwise to the ON position.
10. Reconnect electrical power.
11. Verify proper glass media placement, operation of fireplace, and any electrical components.

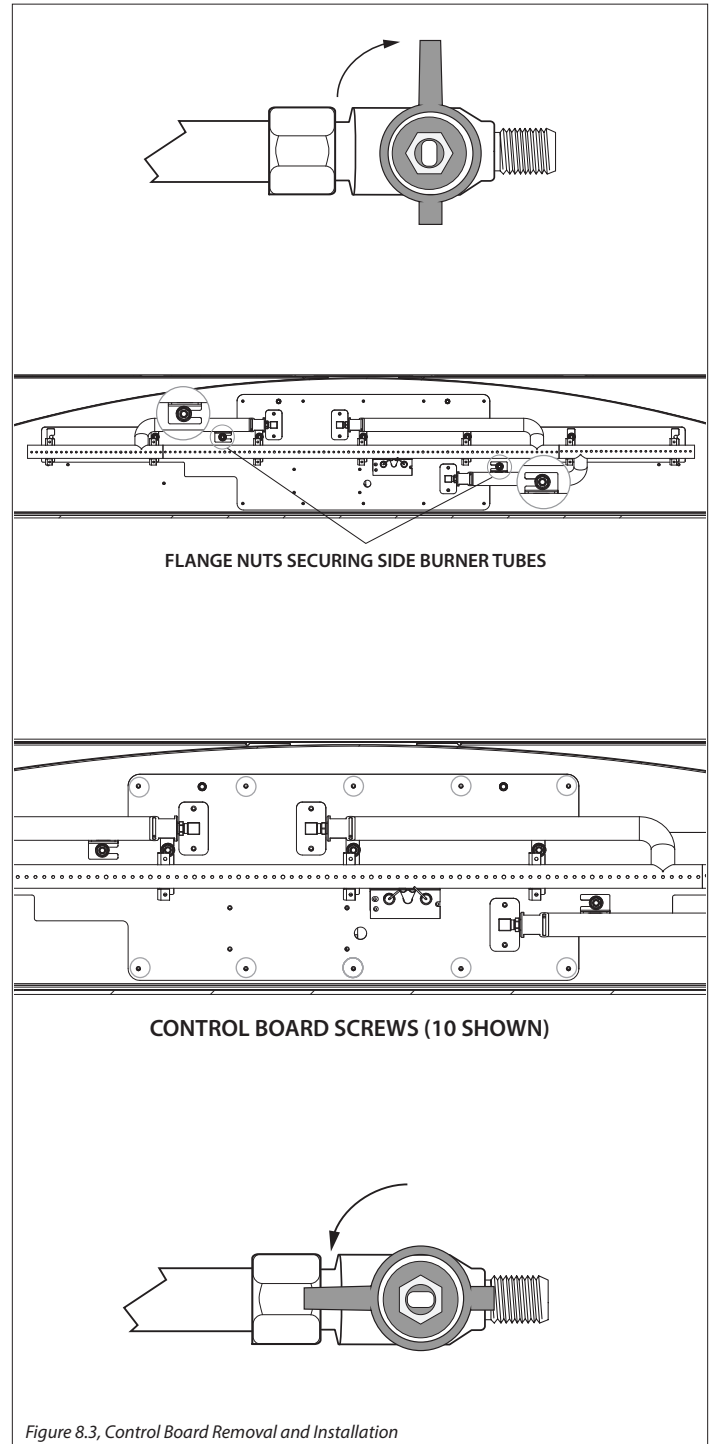


Figure 8.3, Control Board Removal and Installation

## 9.0 ELECTRICAL INFORMATION

**WARNING:** Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect this appliance and to replace any part of the control system and any gas control which has been under water.

**WARNING - Electrical Grounding Instructions:** 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.

### 9.1 Electrical Specifications

This appliance, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with

the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.

### 9.2 Wiring Requirements

The wiring diagram for this appliance is shown in **FIGURE 9.1** below.

- The Komfort 8K system requires 120 VAC of electricity and/or batteries to operate.
- Using the battery backup will operate flame modulation of the burner.
- Optional fan component and light kit will not function on battery backup power.

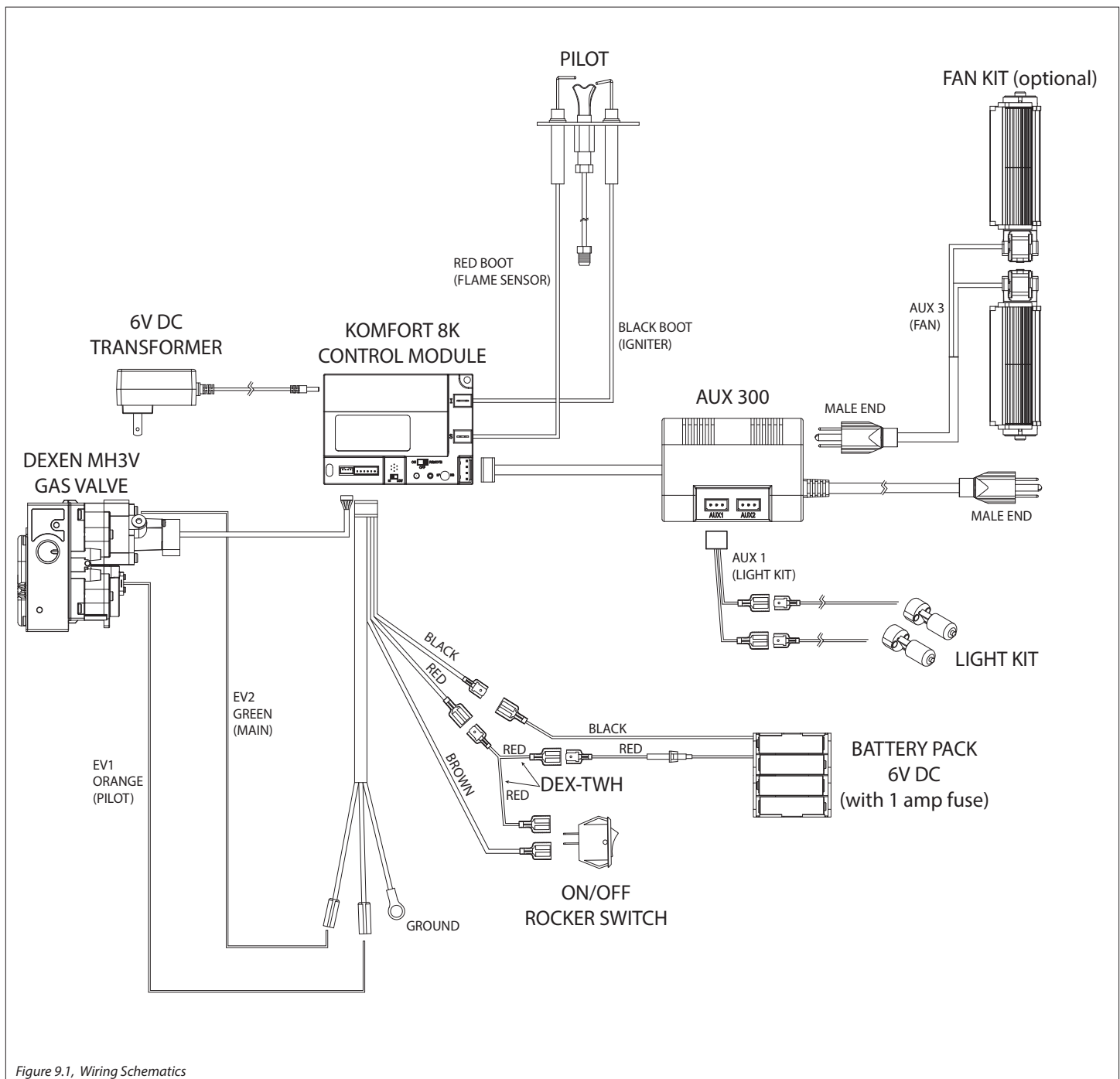


Figure 9.1, Wiring Schematics

### 9.3 #SL42-028 Optional Fan Kit

**ATTENTION:** Installation of this fan kit should be done only by a qualified installer.

**WARNING:** Verify household breaker is shut off prior to working on any electrical lines. Disconnect all electric power from fireplace before performing any of these tasks.

1. Remove safety barrier and glass frame assembly.
2. Disconnect wiring terminals from fan motors.
3. With the motor end of the fan's right side facing down and to the right, insert fan into chamber (FIGURE 9.2).
4. When the motor end clears the fireplace face, turn the fan to the left (FIGURE 9.2).
5. Rotate the top end down and to the right, lowering the fan into control compartment (FIGURE 9.3).
6. Position fan as shown in FIGURE 9.3. As you rotate the fan towards you, the upper edge of the fan discharge will lock behind the top edge of fireplace air channel opening, securing fan into place. DO NOT LET THE FAN REST ON ANY ELECTRICAL CORDS.
7. Repeat for the left fan, noting the fan rotation in steps above will be opposite of the right fan.
8. Reattach wiring terminals to fan motors.
9. Plug the fan cord into the AUX3 receptacle on the AUX 300 control module. See FIGURE 9.1 on page 34
10. Reinstall the glass frame assembly and safety barrier.

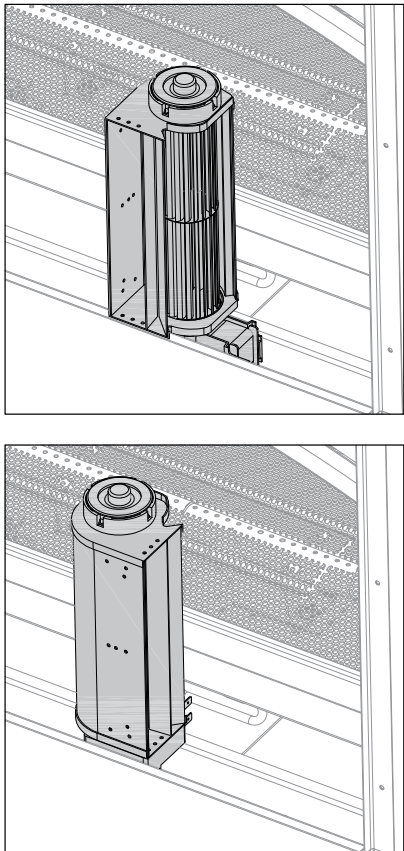


Figure 9.2, Steps 3 and 4

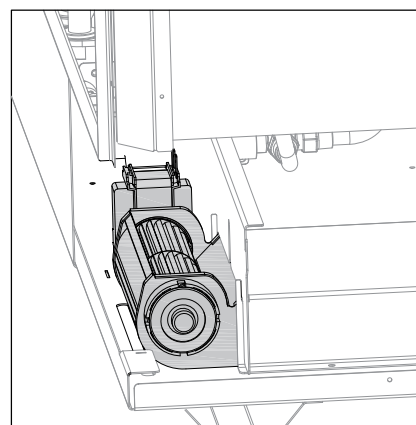
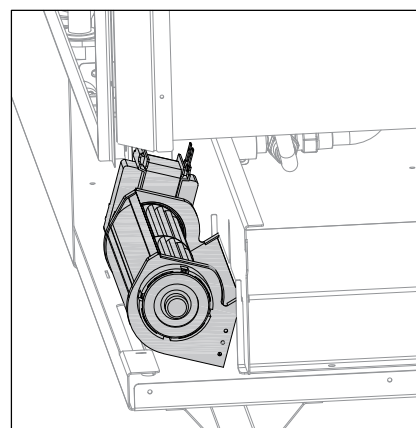
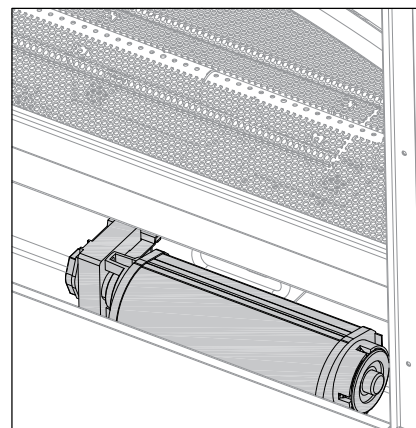


Figure 9.3, Steps 5 through 9

# 10.0 OPERATING INSTRUCTIONS

## FOR YOUR SAFETY READ BEFORE OPERATING

**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 not 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.
- C. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the gas control manual valve. Never use tools. If the valve will not turn by hand, do not try to repair it; call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.

### 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.

Under no circumstances should any solid fuel (wood, coal, paper, cardboard, etc.) be used in this appliance.



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

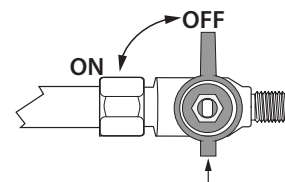
### CAUTION

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


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.

## OPERATING INSTRUCTIONS

1. STOP! Read all the safety information above on this page.
2. Press the wireless remote OFF button.
3. Turn off all electric power to the appliance.
4. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
5. Locate the manual valve installed by your qualified service technician.
6. Turn the manual valve clockwise  to the OFF position.
7. 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. If you do not smell gas, go to the next step.
8. Turn the manual valve counterclockwise  to the ON position.
9. Turn on all electric power to the appliance.
10. Press the wireless remote POWER button.
11. 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. Press the wireless remote POWER button.
2. Turn off all electric power to the appliance if service is to be performed.
3. Locate the manual valve installed by your qualified service technician.
4. Turn the manual valve clockwise  to OFF position.

### NOTE

When this fireplace is initially lit, condensation will appear on the glass. This is normal in all gas fireplaces and will disappear after several minutes. A paint smell will occur during the first few hours of burning. It is recommended to leave the fan off during this period to help speed the paint curing process. This fireplace may produce noises of varying degree as it heats and cools due to metal expansion and contraction. This is normal, and does not affect the performance or longevity of the fireplace.

## 10.1 Setup Komfort 8K Control Module

1. Set the main ON/OFF rocker switch in the OFF position.
2. Remove the remote control components from packaging.
3. Install (3) AAA batteries (included in the components packet) in the remote control battery bay.
4. Connect the transformer to an AC power supply.
5. Connect the fan to the AUX 300 control module **FIGURE 9.1** (page 34).

## 10.2 Initialize the Komfort 8K Control System

1. Verify the ON/OFF/REMOTE switch is in the REMOTE position. A green LED will illuminate and blink three times.
2. Using a small item, such as a paper clip, press and release the LEARN button located near the ON/OFF/REMOTE switch.
3. The control module will beep once and illuminate a green LED for 10 seconds.
4. While the green LED is blinking, press the POWER button on the remote control. The control module will emit a double beep to indicate that the remote is initialized to the control system.

## 10.3 Automatic Safety Turn-off

This system will execute an automatic turn OFF command after 8 hours of continuous main burner operation.

## 10.4 Backup Battery Operation

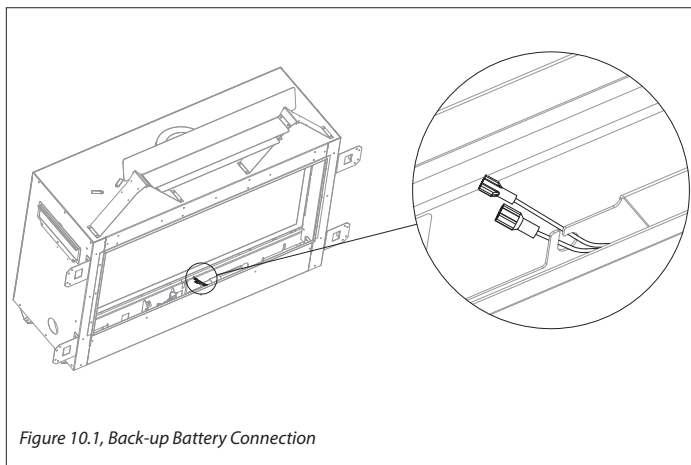


Figure 10.1, Back-up Battery Connection

**Only install backup batteries in power outages only. Do not leave batteries installed in the backup battery pack.**

This appliance will operate on the backup battery pack in a power outage. The lifespan of the backup batteries depends on various factors, such as the quality of the batteries, number of ignitions, etc.

There is a cut-out opening located on the control module housing that holds the black and red wiring connectors for the back-up battery pack. See **FIGURE 10.1**

## 10.5 Control System 7 Day Timeout

- If your Komfort 8K control system is set to pilot-on-demand ignition with **7** consecutive days without ignition of the main burner, the pilot will turn off. This is a standard

safety feature of the Komfort 8K control system.

Once you turn the pilot-on-demand on, the **7** day timer will start. If at any time during the following **7** days your main burner ignites, it will reset the timer back to **7** days.

See section **10.8.7** on page 40 for more information about pilot ignition selection.

**How to check if your system is set to pilot-on-demand:**

- The remote control screen will display the snowflake with text PILOT icon.

**To select the preferred pilot ignition:**

1. Press the MENU button to activate the menu.
  2. Using the UP and DOWN arrows, highlight the PILOT icon and press SELECT.
  3. Use the UP and DOWN arrows to turn the pilot-on-demand ON or OFF, then press SELECT.
- A single beep will be emitted from the control module indicating pilot-on-demand feature has been activated.
  - A double beep will be emitted from the control module indicating the pilot-on-demand feature has been deactivated.

## 10.6 Komfort 8K Control System Ignition Sequence

The Komfort 8K control module will attempt (1) time for ignition, for approximately 60 seconds.

If there is no flame ignition (rectification) within the (60) second time frame, the Komfort 8K system will go into a lockout. The control module will display an error code (see section 10.7), followed by a blinking red/green LED, indicating a system lockout.

### 10.6.1 Reset Control Module after Lockout

#### 10.6.1.1 Disconnect Power Supply

- Disconnect the power supply to the control module. After approximately (5) second, reconnect power supply.

#### 10.6.1.2 ON/OFF/REMOTE Switch

- Turn the ON/OFF/REMOTE switch on the control module to OFF. Wait approximately (5) seconds, and turn the ON/OFF/REMOTE switch to REMOTE. The control module will illuminate a green LED (2) times and emit a beep.
- Turn the ON/OFF/REMOTE switch on the control module to OFF. Wait approximately (5) seconds, and turn the ON/OFF/REMOTE switch to ON. The control module will illuminate a green LED (2) times and emit a beep. The ignition sequence will start again.

## 10.7 Additional Diagnostic Information

Diagnostic codes are outlined below and should be used as an additional troubleshooting tool.

#### Red LED will blink (1) time, then a red/green LED blink (lockout)

- Error caused by fuel-type selector switch is in incorrect position or fuel-type selector switch is damaged. Verify selector is in correct position. If condition persists, replace the control module.

#### Red LED will blink (2) times, then a red/green LED blink (lockout)

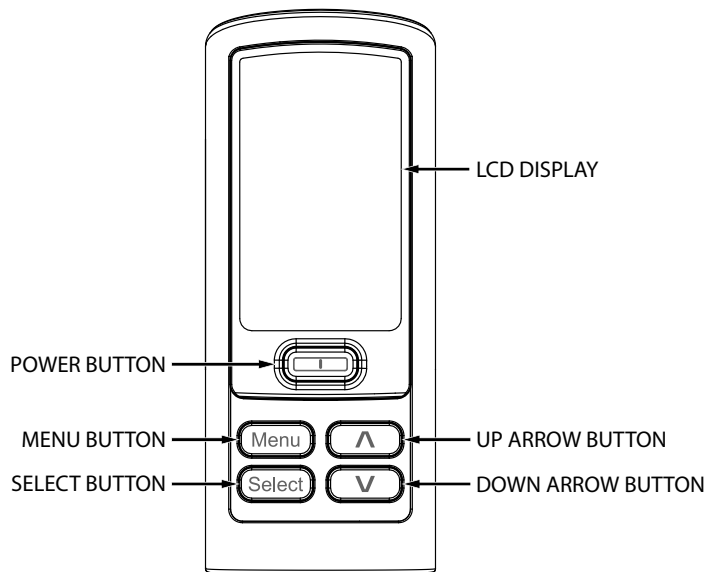
- Error caused by Insufficient voltage from ignition coil to pilot flame igniter. Clear the lockout (see section 10.6.1 above) and attempt ignition. If condition persists, replace the control module.

#### Red LED will blink (3) times, then a red/green LED blink (lockout)

- Error caused by inadequate gas supply. Verify proper inlet pressure to the gas line.
- Error caused by detection of false flame or short in sensor lead. Verify that pilot leads are correctly terminated to the control module, and that no shorted wires exist.
- Error caused by sense and/or igniter lead disconnected. Verify that the pilot sensor rod, igniter rod, and hood are clean.



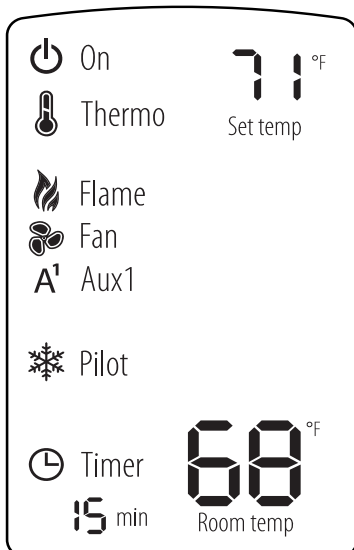
## Komfort 8K Remote Control



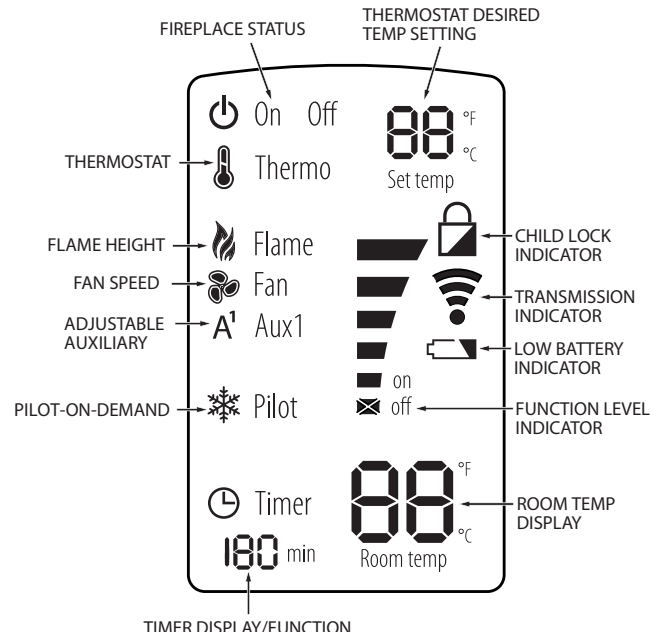
## 10.8 Remote Control Operation

### 10.8.1 Idle Mode

1. The remote control will go into an idle mode when the remote is ON if no buttons are pressed within (5) seconds. Press any button to resume full functionality. In idle mode, only active functions will show on the screen.

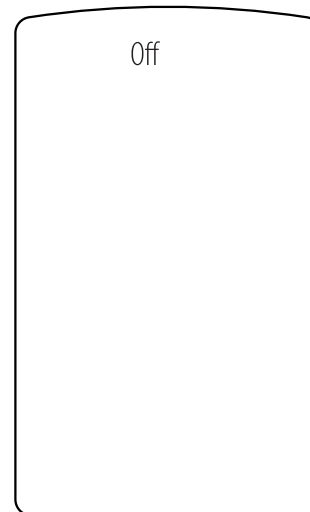


## Remote Control Display



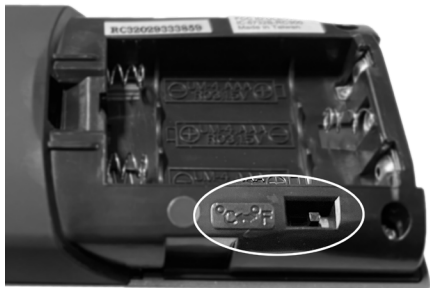
### 10.8.2 Standby Mode

The remote control will go into a standby mode if no buttons are pressed within (5) minutes. Press the POWER button to reactivate the remote control to ON mode. Active functions will be displayed once in ON mode.



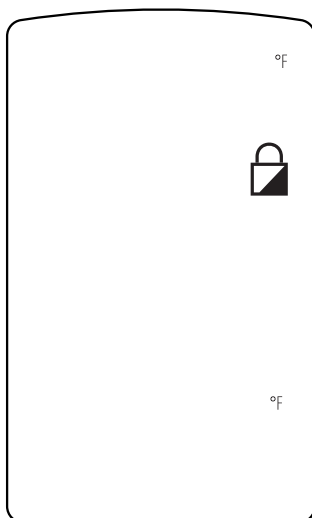
### 10.8.3 Temperature Display

To change the temperature display between Celsius and Fahrenheit, Remove the battery cover from the back of the control. Slide the switch to desired temperature scale. Reinstall batteries and battery cover



### 10.8.4 Child Lock

To lock the remote to avoid unsupervised operation, Press and hold the MENU and UP arrow buttons simultaneous for 4 seconds to enable or disable the child lock feature.



### 10.8.5 Turn ON the Appliance

With the system in the OFF position, press the remote control POWER button to turn ON the appliance.

- The appliance will attempt to ignite the pilot (if Pilot-on-Demand function is OFF). Once the pilot flame is rectified, the main burner will ignite.
  - Whenever the appliance is cycled from OFF to ON, the main burner will light on high for 10 seconds before returning to the previous user setting.
  - All functions can be accessed when the remote control is ON. Only active functions will be displayed when the remote control is ON.
1. The transmission indicator icon will flash and a single beep will confirm the reception of the command.

### 10.8.6 Turn OFF the Appliance

With the system in the ON position, press the remote control POWER button to turn OFF the appliance.

- Functions AUX1, AUX2, and Pilot-on-Demand can be accessed when the remote control is OFF. Only active functions will be

displayed when the remote control is OFF.

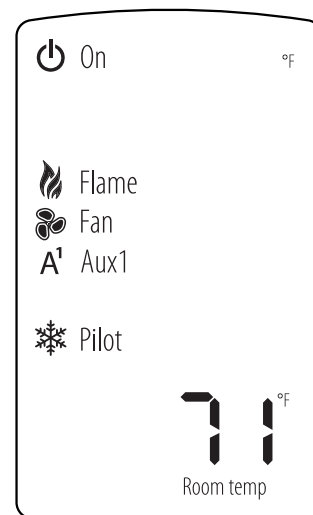
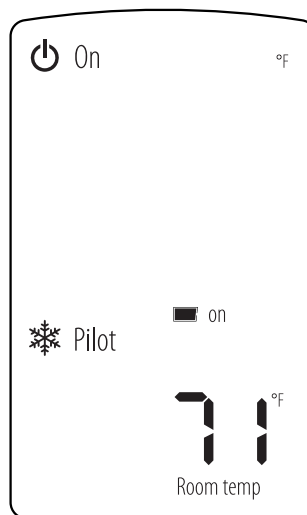
- The transmission indicator icon will flash and a single beep will confirm the reception of the command

### 10.8.7 Pilot Ignition Selection (Intermittent or Pilot-on-Demand)

This system has the option of a pilot-on-demand, allowing the system to change from a spark-to-pilot system to the pilot-on-demand option. The pilot-on-demand will keep the firebox warm and establish a draft in the vent, which allows the main burner to ignite with less air-flow disruption.

To select the preferred

1. Press the MENU button to activate the menu.
  2. Using the UP and DOWN arrows, highlight the PILOT icon and press SELECT.
  3. Use the UP and DOWN arrows to turn the pilot-on-demand ON or OFF, then press SELECT.
- The transmission indicator icon will flash and a single beep will be emitted from the control module indicating pilot-on-demand feature has been activated. The remote control screen will display the snowflake with text PILOT icon.
  - The transmission indicator icon will flash and a double beep will be emitted from the control module indicating the pilot-on-demand feature has been deactivated. The remote control will not display the snowflake with text PILOT icon.



### 10.8.8 Flame Adjustment

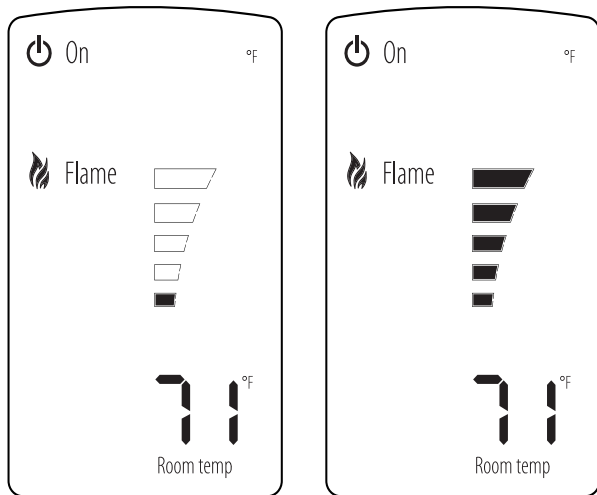
This control system has (5) flame levels. Flame height will not be adjustable for the first (10) seconds when the appliance is turned ON. The control system will remember the previous flame level setting and will automatically adjust after (10) seconds.

To adjust the flame level,

1. Press the MENU button to activate the menu.
2. Using the UP and DOWN arrows, highlight the FLAME icon and press SELECT.
3. Use the UP and DOWN arrows to adjust the flame level to desired setting, then press SELECT.

**The transmission indicator icon will flash and a single beep will confirm the reception of the command**





### 10.8.9 Thermostat Operation

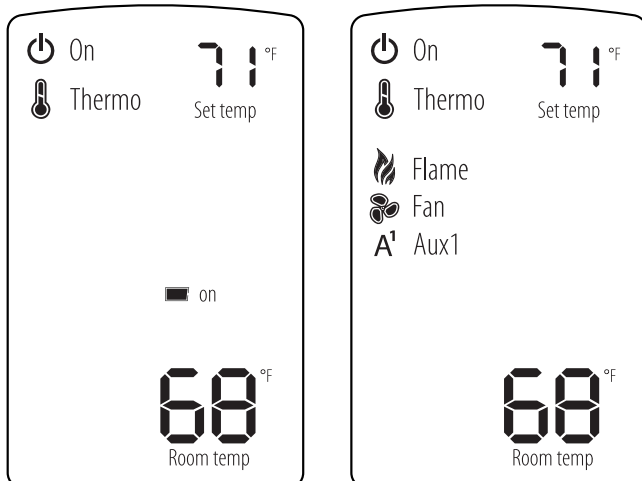
The remote control can operate as a room thermostat. The thermostat can be set to a desired temperature to control a room's comfort level.

This control system requires a two degree Fahrenheit or higher temperature difference between the room temperature and set temperature for the fireplace to turn on.

The system will remember the previous temperature setting when thermostat mode is cycled ON or OFF.

To activate this function,

1. Press the MENU button to activate the menu.
  2. Using the UP and DOWN arrows, highlight the THERMO icon and press SELECT.
  3. Use the UP and DOWN arrows to turn the THERMO ON or OFF, then press SELECT. The SET TEMP will start blinking. Using the UP and DOWN arrows, select the desired temperature and press SELECT.
- If the thermostat function is on, the set temperature can be adjusted at any time by pressing the UP and DOWN arrows.
  - As the room temperature approaches the set temperature, the remote system will automatically adjust the flame height.
  - If the room temperature rises above the set temperature, the fireplace will shut down the main burner. The fireplace will turn back on after the room temperature drops below the set temperature.



### 10.8.10 Fan Speed Control (optional)

The fan speed can be adjust through (3) speeds: HIGH, MEDIUM, LOW.

The fan is controlled by a timer built into the control module. After the fireplace is turned ON, the timer will wait for (3) minutes before turning on the fan. After the fireplace is turned OFF, the fan will remain on for (12) minutes.

To activate this function,

1. Press the MENU button to activate the menu.
  2. Using the UP and DOWN arrows, highlight the FAN icon and press SELECT.
  3. Use the UP and DOWN arrows to adjust to desired fan speed, then press SELECT.
- The transmission indicator icon will flash and a single beep will confirm the reception of the command

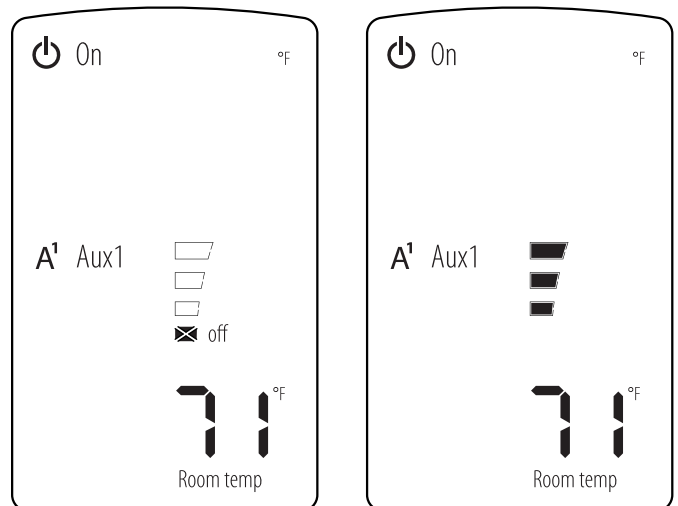
### 10.8.11 AUX1 Function (Light Kit)

The light kit intensity can be adjusted through (4) levels: HIGH, MEDIUM, LOW, and OFF.

The system will remember the previous AUX1 setting from the menu. However, when the appliance is turned OFF, AUX1 function will be turned off. AUX1 can be activated when the remote control is OFF. When the appliance is turned back ON, the AUX1 setting will be restored to the previous ON setting.

To activate this function,

1. Press the MENU button to activate the menu.
  2. Using the UP and DOWN arrows, highlight the AUX1 icon and press SELECT.
  3. Use the UP and DOWN arrows to adjust to desired light kit intensity.
- The transmission indicator icon will flash and a single beep will confirm the reception of the command.

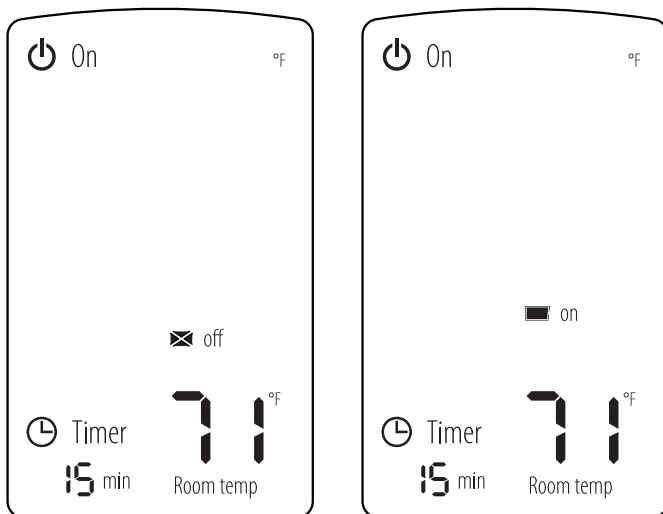


### 10.8.12 Timer Adjustment

This control system has the option to set a timer function to turn OFF the main burner operation. The timer operates in increments of 15, 30, 45, 60, 90, 120, and 180 minutes.

To activate this function,

1. Press the MENU button to activate the menu.
  2. Using the UP and DOWN arrows, highlight the TIMER icon and press SELECT.
  3. Use the UP and DOWN arrows to turn the TIMER ON or OFF, then press select.
  4. Using the UP and DOWN arrows, select the desired set time and press SELECT.
- The transmission indicator icon will flash to confirm the reception of the command.



# 11.0 ADJUSTMENT

## 11.1 Pressure Testing

**NOTE:** The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of ½ psi (3.5 kPa).

**IMPORTANT:** Pressure check taps for manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked OUT measures outgoing pressure. The pressure tap marked IN measures incoming pressure.

### 11.1.1 Inlet Pressure Test

**NOTE:** Make sure to apply these incoming pressure test with all other gas appliances on, or at full capacity in the house for proper pressure reading.

**IMPORTANT:** If the inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust incoming gas pressure.

1. Loosen the inlet (IN) pressure tap by turning screw counter-clockwise. See (A) in Figure 11.1.
2. Attach manometer using a ¼ in (6 mm) I.D. hose.
3. Light pilot and burner. Check pressure to ensure it is between the minimum and maximum recommended pressure settings.
4. Turn off burner and pilot.
5. Disconnect hose and tighten the inlet (IN) pressure tap by turning screw clockwise. Screw should be snug. Do not over tighten.
6. Relight pilot and burner. Then reattach manometer to the inlet pressure tap (A) to verify the tap is completely sealed. Manometer should read no pressure.

1. Light pilot.
2. Loosen manifold (OUT) pressure tap by turning screw counter-clockwise. See (B) in Figure 11.1.
3. Attach manometer to pressure tap using a ¼ in (6 mm) I.D. hose.
4. Light burner. Check manometer reading.
5. Turn burner and pilot off.
6. Disconnect manometer hose and tighten the manifold (OUT) pressure tap by turning screw clockwise. Screw should be snug. Do not over tighten.
7. Attach the manometer to the manifold pressure tap (B) to verify it is completely sealed. The manometer should read no pressure when pilot and burner are on.

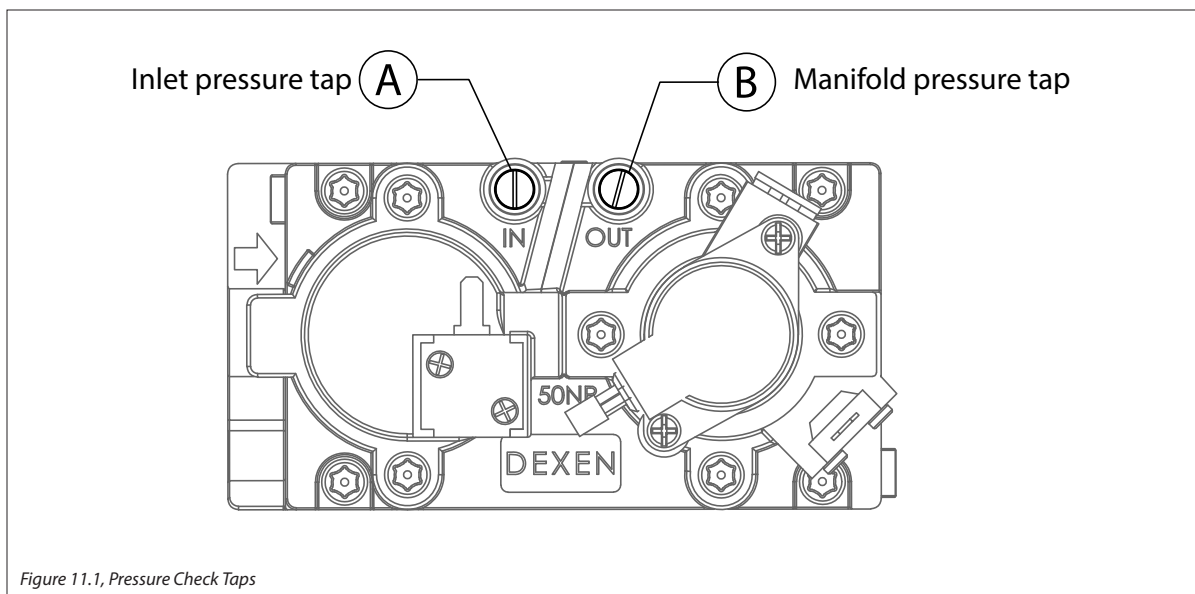
**Table 11.1, Inlet Pressures**

| Fuel                   | Natural Gas                        | Propane                           |
|------------------------|------------------------------------|-----------------------------------|
| Gas Supply             | Min - Max                          | Min - Max                         |
| Inlet Pressure Tap (A) | 5" - 10.5" WC<br>(1.25 - 2.62 kPa) | 12" - 13" WC<br>(2.99 - 3.24 kPa) |

**Table 11.2, Manifold Pressure**

| Fuel                      | Natural Gas                       | Propane                           |
|---------------------------|-----------------------------------|-----------------------------------|
| Gas Supply                | Low - High                        | Low - High                        |
| Manifold Pressure Tap (B) | 1.0" - 3.5" WC<br>(.25 - .87 kPa) | 2.7" - 10" WC<br>(.67 - 2.49 kPa) |

### 11.1.2 Manifold Pressure Test



11.2 Flame Appearance Adjustment

**WARNING:** To avoid property damage or personal injury, allow the fireplace ample time to cool before making any adjustments.

Burner flame appearance and characteristics are affected by altitude, fuel quality, venting configuration, and other factors. After installation, this appliance may need additional adjustments to achieve optimum flame appearance and visual aesthetics.

11.2.1 Burner Venturi

**WARNING:** VENTURI ADJUSTMENT MUST BE DONE BY A QUALIFIED SERVICE TECHNICIAN.

**NOTE:** Burner venturi air shutter settings have been factory set. Refer to Table 11.3.

When this appliance is first lit, the burner flames will appear blue. During the first 15 minutes of operation, flame appearance will gradually turn to the desired yellow appearance. If the flames remain blue, or become dark orange with evidence of sooting (black tips), adjustment of the air shutter opening may be necessary.

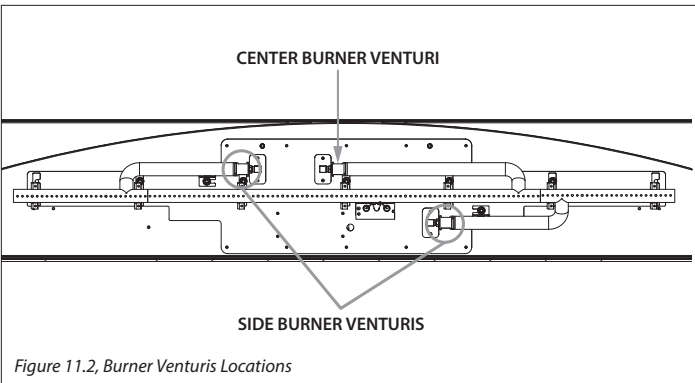
Regardless of venturi orientation, closing the air shutter will achieve a desired yellow flame, but may produce soot on the glass. Opening the air shutter will cause a short, blue flame that may lift off the burner.

11.2.1.1 Venturi Opening Adjustment

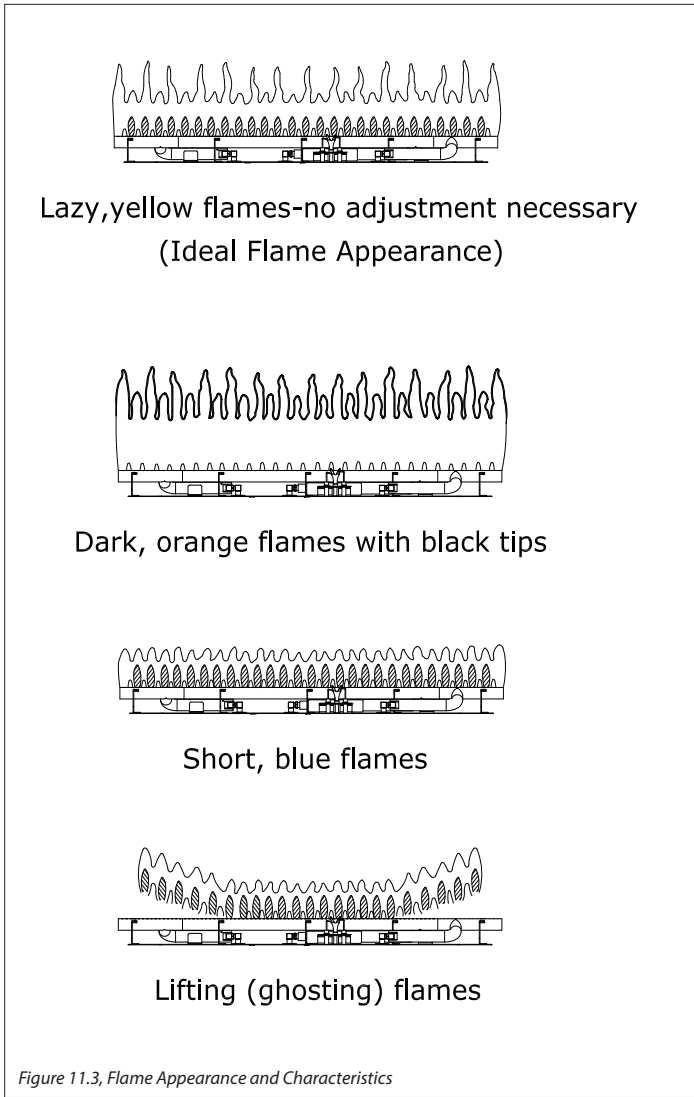
**IMPORTANT:** Slight adjustments to the venturi opening will create dramatic results. Adjust at slight increments until desired look is achieved.

- 1. Remove the safety barrier, glass frame assembly, and glass media.
- 2. Remove burner cover (14) screws.
- 3. Loosen screw on venturis and adjust as necessary. Tighten screw.
- 4. Reinstall all components previously removed.

| Table 11.3, Factory Set Venturi Openings |                       |                      |
|--|-----------------------|----------------------|
| Fuel                                     | Center Burner Venturi | Side Burner Venturis |
| Natural Gas                              | 1/8" (3 mm)           | 1/8" (3 mm)          |
| Propane                                  | 5/8" (16 mm)          | 5/8" (16 mm)         |



| Table 11.4, Flame Appearance Venturi Adjustment |   |   |
|---|---|---|
| Flame Characteristic                            | Cause   | Solution  |
| Dark, orange flame with black tips              | Venturi closed too far                          | Open venturi slightly                                     |
| Short, blue flames                              | Venturi open too far                            | Close setting slightly                                    |
| Lifting (ghosting) flames                       | Gas pressure too high<br>Venturi closed too far | Check manometer settings<br>Open venturi setting slightly |



## 11.2.2 Vent Restriction

**WARNING:** To avoid property damage or personal injury, allow the fireplace ample time to cool before making any adjustments.

**WARNING:** Improper vent installation may cause the burner flames to lift or "ghost." Perform a visual check on flame appearance after restrictor adjustment to ensure proper performance.

Vertical terminations may display an active, compact flame. To achieve desirable flame appearance, the vent exit may be restricted by the restrictor plate (included in components packet).

Follow the tables below to adjust the restrictor to desired flame appearance. Allow the fireplace to burn for 15 minutes before making any adjustments to the restrictor setting.

**Table 11.5, Restrictor Adjustment for Flame Appearance**

| Flame Appearance     | Draft Problem                              | Vent Restriction   |
|----------------------|--|--|
| Short, flickering    | Excessive draft<br>Not enough restriction  | Close baffle restrictor  |
|                      |  | Install restrictor plate   |
| Lifting or ghosting* | Insufficient draft<br>Too much restriction | Open baffle restrictor   |
|                      |  | Remove inner ring(s) on restrictor plate, or remove restrictor plate |

\*If flames continue to lift or ghost after opening the baffle restrictor or installing and verifying correct vent installation, shut off the gas supply and call a qualified service technician.

### 11.2.2.1 Restrictor Plate Installation

1. Remove the safety barrier and the glass frame assembly.
2. Remove (2) screws securing termination access panel. Release panel tabs from slots in baffle.
3. Bend the tabs on the restrictor plate (included in components packet) to approximately 80° angles. This will create tension when the restrictor is inserted into the exhaust pipe.
4. Insert restrictor into the 5 in (127 mm) exhaust pipe with the tabs pointing towards you.
5. Reinstall termination access panel by inserting tabs in panel into slots in baffle. Secure with (2) screws previously removed.
6. Reinstall all components previously removed.

### 11.2.2.2 Restrictor Plate Modification

1. Remove the safety barrier and the glass frame assembly.
2. Remove (2) screws securing termination access panel. Release panel tabs from slots in baffle.
3. Remove the restrictor by pulling it down and out of the 5 in (127 mm) exhaust pipe.
4. Make necessary modifications to achieve desired flame appearance.
5. Insert restrictor into the 5 in (127 mm) exhaust pipe with the tabs pointing towards you. Reinstall termination access panel by inserting tabs in panel into slots in baffle. Secure with (2) screws previously removed.
6. Reinstall all components previously removed.

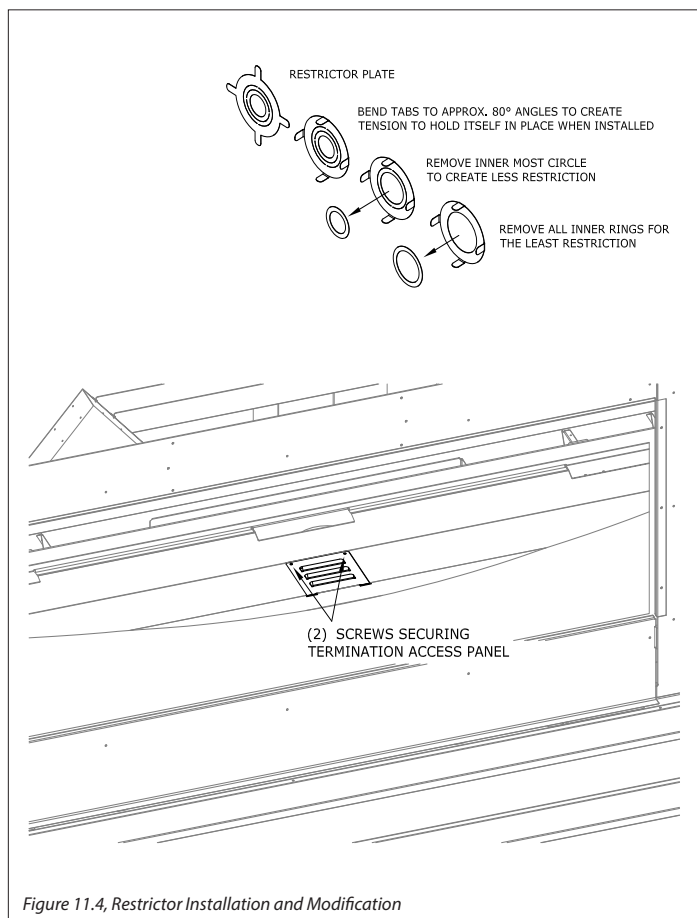


Figure 11.4, Restrictor Installation and Modification

## 12.0 TROUBLESHOOTING

**ATTENTION:** Troubleshooting must be performed by a qualified technician.

Before proceeding with the steps in the following troubleshooting guide,

- Verify proper 120VAC power supply to the 6V DC transformer.
- Verify the control module battery pack and the remote control batteries are fresh and installed with correct polarity.
- Verify all connections between the wire harnesses and the system components are proper and positive.

- Verify the communication link is established between the remote control and the Komfort 8K control module.
- Verify inlet pressure meets the recommended inlet pressure. If necessary, adjust line pressure regulator.
- To isolate remote functionality from the control system when troubleshooting, turn the ON/OFF/REMOTE selector switch on the control module to ON.

| Issue   | Cause  | Solution  |
|---|--|---|
| Pilot will not light                          | Electrical power interrupted or disconnected   | Restore electrical power to appliance or use battery back-up.   |
|   | Wiring disconnection   | Ensure batteries are fully charged if using battery back-up as power source.<br>Use wiring schematic to determine that all wiring connections are secure and correct.       |
|   | Control module selector switch not set properly  | Verify the ON/OFF/REMOTE selector switch is ON mode or REMOTE mode.   |
|   | Gas supply turned off  | Check remote shut-off valves from the appliance. Usually there is a valve near the main gas line. There may be more than (1) valve between the appliance and main gas line. |
|   | LP/NG switch on control system not engage  | Verify the switch on the control module is set to the correct gas fuel type.  |
| Pilot will not stay lit                       | No Propane in tank   | Check Propane tank. Refill if necessary.  |
|   | Low gas pressure   | Consult a plumber or a gas supplier.<br>Can be caused by situations such as a bent line, too narrow diameter or pipe, or a low line pressure.                               |
|   | Pilot flame not making contact with the flame rectification sensor on the pilot assembly | Verify the pilot flame envelopes the top of the flame sensor and extends far enough onto burner for ignition.   |
| Pilot flame always on, or will not extinguish | Control system set to Pilot-on-Demand ignition mode                                      | Set control system to intermittent pilot ignition mode. Refer to section <b>10.8.7 PILOT IGNITION SELECTION</b> on page 40.   |

| Issue   | Cause   | Solution  |
|---|---|---|
| <b>Main burner flame will not light</b>               | ON/OFF rocker switch in ON position                       | Switch rocker switch to OFF position  |
|   | Gas supply turned off                                     | Check for multiple shut-offs in the supply line. Verify gas supply is turned on.  |
|   | Low gas supply  | Consult with plumber or gas supplier.<br>Check propane tank. Refill if necessary.   |
|   | Wiring disconnection or improper wiring                   | Check for faulty or incorrect wiring. Refer to FIGURE 9.1, KOMFORT 8K WIRING DIAGRAM on page 34.  |
|   | Plugged main burner orifice                               | Remove blockage   |
|   | Pilot flame   | Verify the pilot flame is properly directed to ignite burner. See pilot flame troubleshooting in this section                             |
|   | Remote control not working properly                       | Replace batteries.  |
|   | No call for heat  | Verify remote control is powered ON and thermostat operation is turned OFF.   |
| <b>Pilot and burner extinguish while in operation</b> | No Propane in tank  | Check propane tank. Refill if necessary.  |
|   | Incorrect glass assembly installation                     | Refer to Section 8.1 Glass Frame Assembly on page 31.   |
|   | Incorrect vent cap installation                           | Adjust if necessary.  |
|   | Vent cap blockage   | Remove debris if necessary.   |
|   | Improper pitch on horizontal venting                      | ¼ in. (6 mm) rise per foot (30 cm) is required on horizontal venting  |
|   | Exhaust vent pipe leaking exhaust gases back into firebox | Check for leaks and repair if necessary.  |
|   | Excessive draft   | Restrictor setting may need to be adjusted. Refer to Section 11.2.2 Vent Restriction on page 45.  |
| <b>Soot appears on glass</b>                          | Improper glass media placement                            | Refer to Section 8.3 Glass Media on page 32.  |
|   | Improper venturi setting                                  | Venturi air shutter may need to be opened slightly to allow more air into the gas mix. Refer to Section 11.2.1 Burner Venturi on page 44. |
|   | Incorrect vent cap blockage                               | Adjust if necessary.  |
|   | Vent cap blockage   | Remove debris if necessary.   |

| Issue                                 | Cause   | Solution  |
|---------------------------------------|---|---|
| Flame burns blue and lifts off burner | Improper venturi setting  | Venturi air shutter may need to be opened slightly to allow more air into the gas mix. Refer to Section 11.2.1 Burner Venturi on page 44. |
|                                       | Incorrect vent cap installation   | Adjust if necessary.  |
|                                       | Blockage or leakage of the vent system                                      | Check the vent pipes for leaks, and the vent cap for debris. Repair the vent pipes or remove debris from vent cap, if necessary.          |
| No reaction to command                | Battery back up batteries or remote control batteries low                   | Replace batteries.  |
|                                       | No communication between remote control and control module                  | Reprogram remote control to Komfort 8K1 module. Refer to section <b>10.2, INITIALIZE THE KOMFORT 8K CONTROL SYSTEM</b> on page 37.        |
|                                       | A maximum number of failed ignitions or flame restorations has been reached | Reset Komfort 8K1 control module. Refer to section <b>10.2, INITIALIZE THE KOMFORT 8K CONTROL SYSTEM</b> on page 37.                      |



## 13.0 MAINTENANCE

**ATTENTION:** Installation and repair should only 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 might 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. Use a vacuum to clean all components.

**WARNING:** The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

### 13.1 Firebox

**Performed by:** Qualified Service Person

**Frequency:** Annually

**Action:**

- Vacuum and clean any debris in the firebox that is not supposed to be there.
- Inspect and operate the bottom latch assembly. Verify the assembly is free from obstruction to operate. The handles must have spring tension but be able to move forward freely.

### 13.2 Fan (Optional)

**CAUTION:** Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

**Performed by:** Qualified Service Person

**Frequency:** Every 6 months

**Action:**

- Disconnect the fan from electrical current and vacuum.
- The bearings are sealed and require no oiling.

### 13.3 Vent System

**NOTE:** If the vent-air intake system is disassembled for any reason, reinstall per instructions provided with installation. Refer to Section 7.0 Venting on page 25.

**Performed by:** Qualified Service Person

**Frequency:** Annually

**Action:**

- Examination of the vent system is required.
- The flow of combustion and ventilation air must not be obstructed.

### 13.4 Glass Assembly

**CAUTION:** Do not operate appliance with the glass assembly removed, cracked, or broken. Use protective gloves to handle any broken or damaged glass assembly components.

**WARNING:** Do not use substitute materials.

**WARNING:** Avoid striking or slamming glass assembly. Avoid abrasive cleaner. DO NOT clean glass while it is hot.

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

**Performed by:** Homeowner

**Frequency:** Annually

**Action:**

- Prepare a work area large enough to accommodate the glass assembly on a flat, stable surface.
- Remove safety screen and glass frame assembly.
- Clean glass window with a suitable fireplace glass cleaner using a soft cloth. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.
- Reinstall glass assembly and safety screen. Do not operate fireplace without safety screen.

**Performed by:** Qualified Service Person

**Frequency:** Annually

**Action:**

- Clean glass window with a suitable fireplace glass cleaner using a soft cloth. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.
- Inspect the glass for cracks, scratches, and nicks.
- Verify the glass assembly is properly intact and not damaged.
- Replace the glass and the assembly #701-011 as necessary.
- Only Hussong Mfg. Co., Inc. will supply the replacement of glass assembly as a complete unit.

## 13.5 Burner and Pilot System

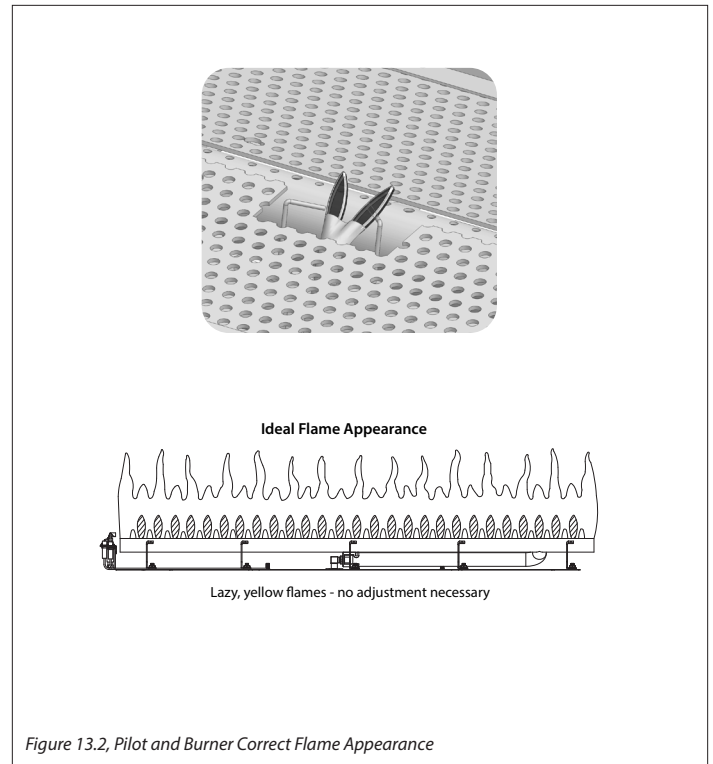
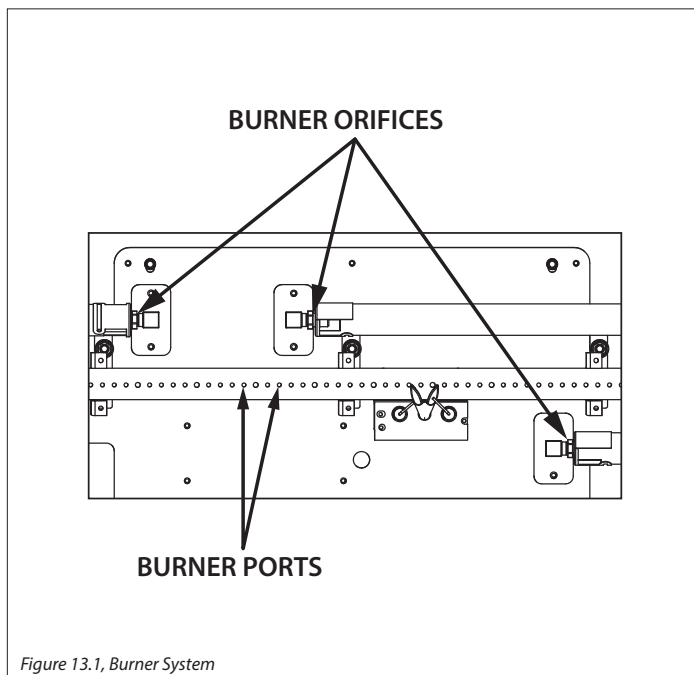
The burner assembly may be removed for easier access to the control compartment. Refer to Section 8.4 Control Board Removal and Installation on page 33 for instructions. Verify gas supply is turned on and filled. Consult with plumber or gas supplier as necessary.

**Performed by:** Qualified Service Person

**Frequency:** Annually

**Action:**

- Vacuum all components of the burner system.
- Check all accessible gas-carrying tubes, connections, pipes and other components for leaks.
- Inspect the operation of the flame safety system Pilot or Flame rectification device. Visually check pilot light when in operation.
- Inspect and ensure the lighting of the main burner occurs within (4) seconds of the main gas valve opening. Check for faulty or incorrect wiring and correct or replace as necessary. Inspect primary air openings (burner ports) for blockage, especially near the pilot.
- Visually check burner flame pattern when in operation. Flames should be steady, not lifting or floating.
- 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.



## 14.0 REPLACEMENT PARTS LIST

Replacement parts are available through your local dealer. Contact your local dealer for availability and pricing.

The following warning is for replacement parts for this appliance.



**WARNING:** This product can expose you to chemicals including Lead, which is [are] known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

| CONTROL BOARD AND PARTS            |           |   |            |
|------------------------------------|-----------|---|------------|
| Dexen Control Board - Natural Gas  | SL60-D350 | Dexen Valve Step Motor - Natural Gas              | DEX-SMN    |
| Dexen Control Board - Propane      | SL60-D351 | Dexen Valve Step Motor - Propane                  | DEX-SMLP   |
| Dexen MH3V Gas Valve - Natural Gas | DEX-3VN   | Whisperflex Gas Line - Valve to Burner Connection | 700-213W   |
| Dexen MH3V Gas Valve - Propane     | DEX-3VLP  | 12" Flex Tube (valve to burner orifice)           | 700-266F   |
| Komfort 8K Control Module          | DEX-8K1   | Natural Gas Burner Orifice #33 CENTER BURNER      | 700-233    |
| AUX 300 Control Module             | DEX-AUX3  | Natural Gas Burner Orifice #51 SIDE BURNERS       | 700-251    |
| Main Wire Harness                  | DEX-MWH   | Propane Burner Orifice #52 CENTER BURNER          | 700-252    |
| AUX 1 Wire Harness                 | DEX-A1WH  | Propane Burner Orifice #59 SIDE BURNERS           | 700-259    |
| Pilot Assembly - Natural Gas       | DEX-192   | Conversion Kit - Natural Gas                      | NCK-SL60-D |
| Pilot Assembly - Propane           | DEX-192-1 | Conversion Kit - Propane                          | LCK-SL60-D |
| Dexen Transmitter (Remote Control) | DEX-RC3   | Center Burner Tube                                | SL60-C035  |
| Pilot Orifice - Natural Gas        | 700-123   | Side Burner Tube (Left or Right)                  | SL60-S035  |
| Pilot Orifice - Propane            | 700-114   | Toggle Wire Harness                               | DEX-TWH    |

| GLASS AND GLASS PARTS        |           |
|------------------------------|-----------|
| 60¼" x 16" Glass with Gasket | 701-011   |
| Replacement Valance          | SL60-005B |
| Media Dam                    | 700-012   |

| SAFETY BARRIERS        |           |
|------------------------|-----------|
| Rectangle Screen Front | SL60-RSF  |
| Convex Screen Front    | SL60-CXSF |
| Beveled Screen Front   | SL60-BSF  |

| LIGHT KIT             |          |
|-----------------------|----------|
| Light Kit             | SL60-SLK |
| 20W 130V Halogen Bulb | 600-676  |

| FAN KIT |          |
|---------|----------|
| Fan Kit | SL42-028 |

| ADDITIONAL COMPONENTS         |          |
|-------------------------------|----------|
| 5 in (127mm) Restrictor Plate | 900-086  |
| Manual Gas Shut-off Valve     | 700-203  |
| Vent Heat Shield Assembly     | SL60-HHS |

**Hussong Manufacturing Co., Inc.**  
P.O. Box 577  
204 Industrial Park Drive  
Lakefield, MN 56150-0577  
SLA-60

# LIMITED LIFETIME WARRANTY

## Warranty Coverage

Hussong Manufacturing Company, Inc. (Hussong Mfg.) warrants this Kozy Heat gas appliance from the date of purchase to the original purchaser, that it is free of defects in materials and workmanship at the time of manufacture. Registering your fireplace warranty does not require any documents to be sent in to Hussong Mfg. Please retain your proof of purchase reflecting the date of purchase along with the serial number and model of your fireplace for any future warranty claims.

*If a defect is noted within the warranty period, the customer should contact their authorized dealer for service within 30 days.*

### 30 Days: Parts & Labor\*

- Paint
- Light bulbs
- Gasket material
- Glass media and media dam

### Year 1: Parts & Labor\*

- All parts and material except the items listed in the 30 day warranty and any exclusions or limitations that may apply.
- \*Hussong Mfg. will issue labor reimbursement to an authorized dealer only. Hussong Mfg. will not be liable for charges occurred as a result of any service performed by a non-authorized service provider, without pre-authorization.*

### Years 2 through Lifetime: Parts Only

- Firebox
- Heat Exchanger
- Logs
- Burner tube or pan
- Outer shell
- Heat shield(s)
- Front Viewing Glass (thermal shock only)
- Refractory Firebox liner (excluding enamel and glass panels)

## EXCLUSIONS AND LIMITATIONS

1. This appliance must be installed by a licensed, authorized service technician or contractor. It must be installed, operated and maintained at all times in accordance with the instructions in the owner's manual or the warranty is void.
2. This warranty is nontransferable and is made to the original purchaser only.
3. This warranty excludes standard wear and tear of the appliance which is considered normal usage over time.
4. Discoloration and some minor expansion, contraction or movement of certain parts, resulting in noise, is normal and not a defect.
5. Warranty is automatically voided if the appliance's serial number and/or testing label is removed or if the appliance is altered or tampered with in any way.
6. Warranty is void if the appliance is subject to submersion in water or prolonged periods of dampness or condensation. Any damage to any part of the appliance due to water or weather damage which is the result of, but not limited to, improper chimney/venting installation will also render this warranty void.
7. This warranty does not cover installation and operational related problems such as environmental conditions, nearby trees, buildings, hilltops, mountains, inadequate venting or ventilation, excessive offsets, negative air pressures caused by any mechanical systems.
8. Chimney components and other Non-Hussong Mfg. accessories used in conjunction with the installation of this appliance are not covered under this warranty.
9. Damage to plated surfaces or accessories, if applicable, caused by scratches, fingerprints, melted items or other external sources left on the surfaces from the use of cleaners is not covered under this warranty.
10. It is expressly agreed and understood that this warranty is Hussong Mfg.'s sole obligation and purchaser's exclusive remedy for defective fireplace equipment. Hussong Mfg. is free of liability for any damages caused by this appliance, as well as inconvenience expenses and materials. Incidental or consequential damages are not covered by this warranty. In some states, the exclusion of incidental or consequential damage may not apply. Hussong Mfg. shall not be held to implied warranties and this warranty shall replace all previous warranties.
11. This limited lifetime warranty is the only warranty supplied by Hussong Mfg. Any warranties extended to the purchaser by the dealer/distributor, whether expressed or implied, are hereby disclaimed and the purchaser's recourse is expressly limited to the warranties set forth herein.
12. Any part repaired or replaced during the limited warranty period will be warranted under the terms of the limited warranty for a period not to exceed the remaining term of the original limited warranty.
13. Any replacement part repaired after the warranty period will include a 90 day parts coverage
14. Hussong Mfg. may require the defective part to be returned using a pre-authorized RGA number or a photo of the defective component. Failure to provide either can result in a denied claim.
15. This warranty does not cover the appliances ability to heat a desired space, as there are many factors that can impact the heating performance in each home. Consideration should be implied to the appliance's location, room size, home design, environmental conditions, insulation, and tightness of the home.
16. Hussong Mfg. reserves the right to make changes at any time, without notice, in design, material, specifications, and prices. Hussong Mfg. reserves the right to discontinue models and products.

