

# KOMFORT ZONE KIT

## #KZK-072

*For use with the Callway-72 #CLW-72  
Direct Vent Gas Fireplace*

KOZY HEAT  
FIREPLACES  
HUSSONG MANUFACTURING CO., INC.

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

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.

### **READ ALL THESE STEPS BEFORE STARTING INSTALLATION. LEAVE THESE INSTRUCTIONS WITH THE APPLIANCE.**

This kit must be installed by a qualified installer, service agency, or gas supplier at the time of the heater installation. These instructions must be used in conjunction with the installation and operation manual provided with the appliance. Please read the appliance owner's manual completely before performing any procedures in these instructions.

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This optional convection duct kit redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection without the use of a fan. The warm air flow may be relocated to a position higher up the wall, out the sidewalls, or even to an adjacent room. The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc.

The use of this kit will permit lower mantel clearances to be used. **These lower mantel clearances must be only used when the KZK Duct system is installed.**



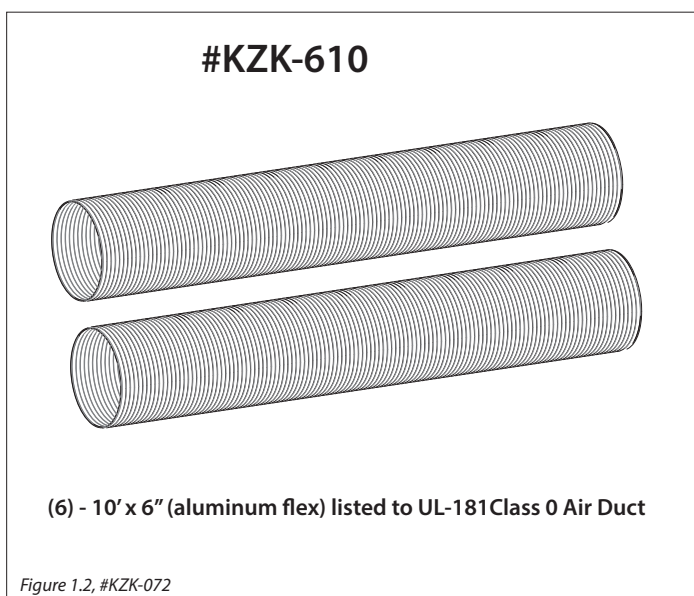
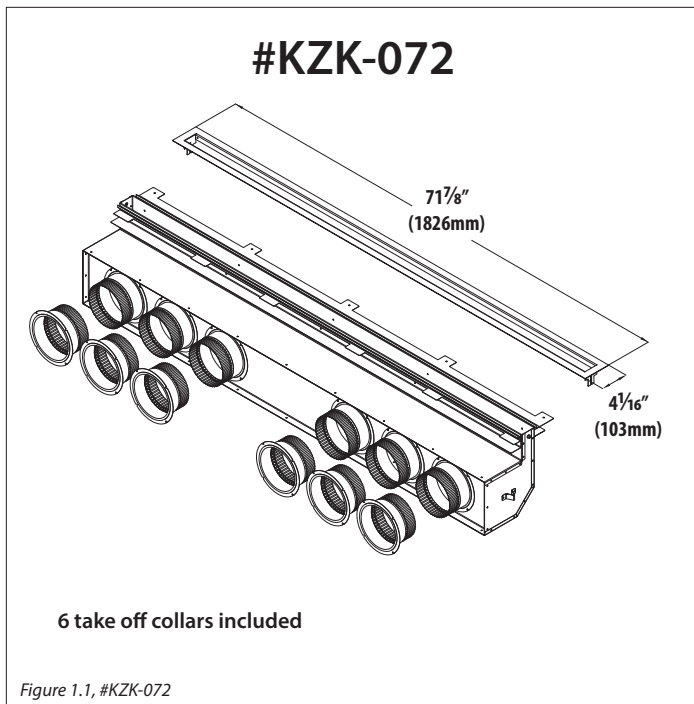
# 1.0 INTRODUCTION

## 1.1 Kit Contents

- (1) 72" plenum kit: KZK-072
- (1) plenum discharge trim
- (12) 6" collars - (6) to attach to the bottom of the plenum; (6) to attach to the unit where the cover plates are removed

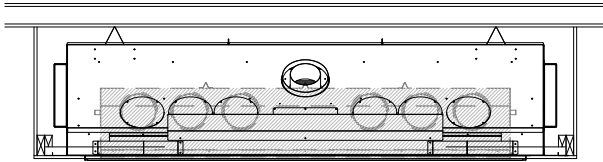
(1) KZK-610 is used for a 10' vent run. If installing beyond 10' vent run, you will need to order (1) KZK-CPL6.

KZK-CPL6 is (6) 6" couplers that connect (2) KZK-610

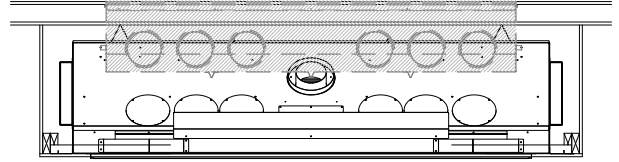


## 1.2 Suggested Configurations

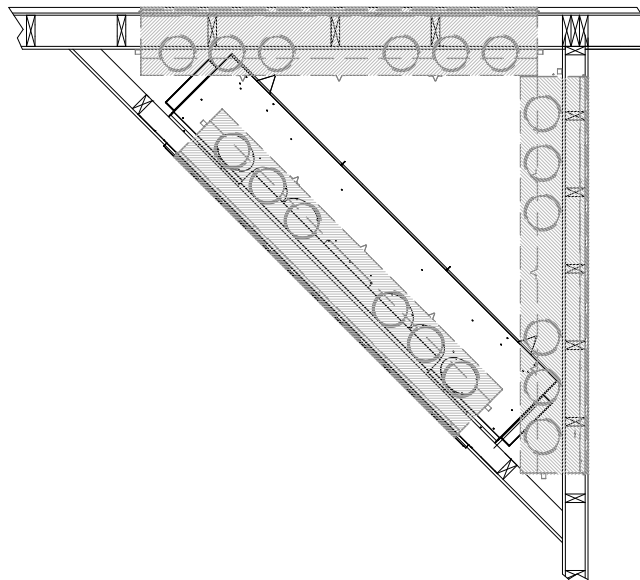
**#KZK-072 FRONT WALL OUTLET**



**#KZK-072 REAR WALL OUTLET**

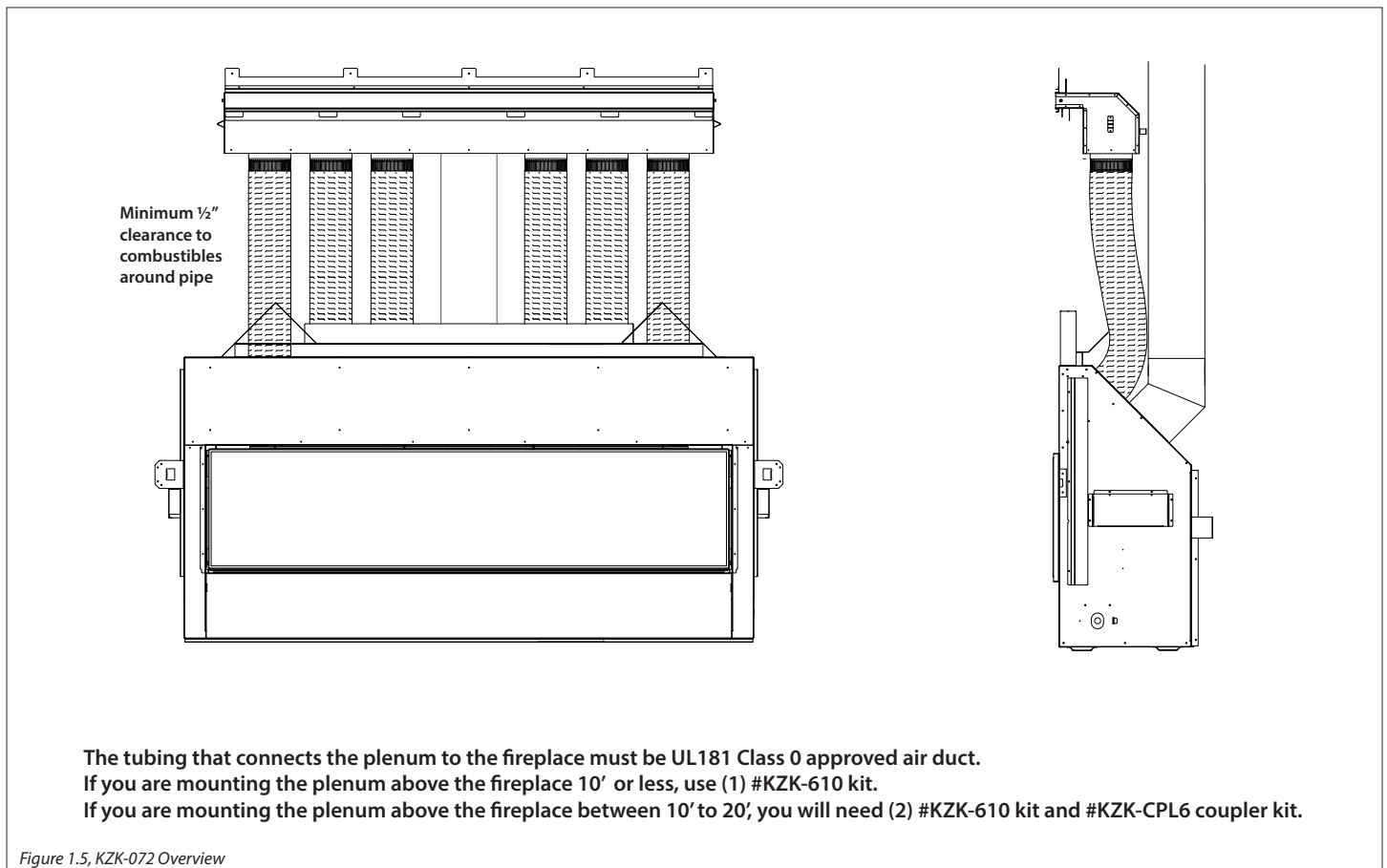
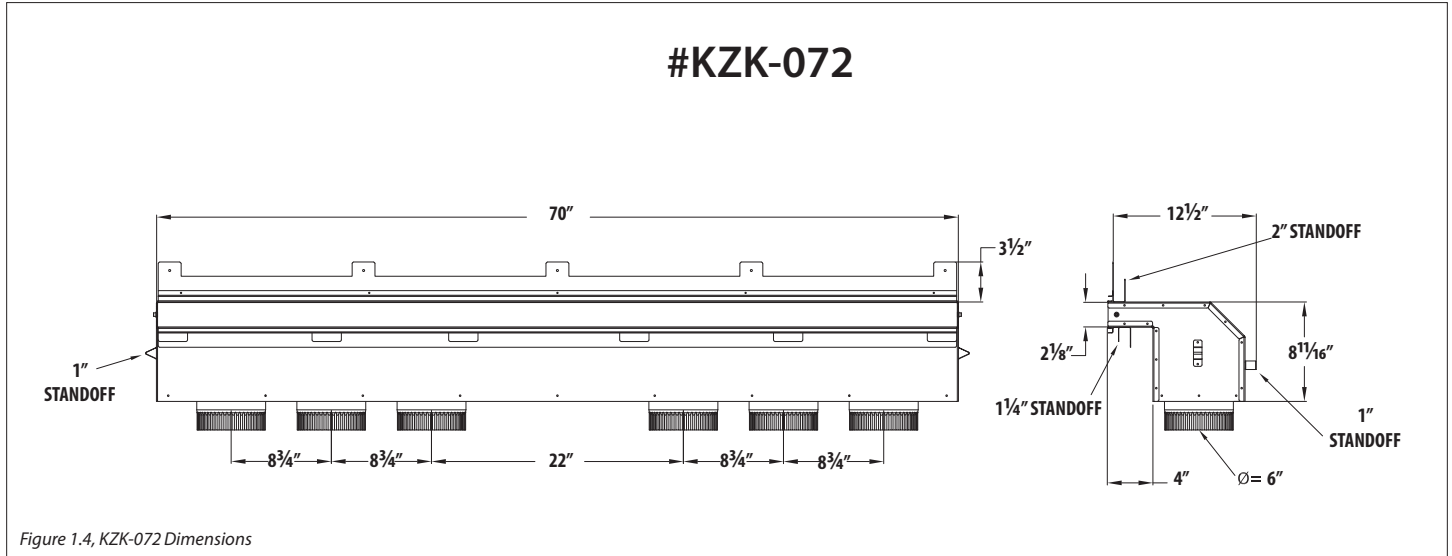


**#KZK-072 CORNER INSTALLATION**



*Figure 1.3, #KZK-072 Suggested Configurations*

## 1.3 Dimensions and Overview



## 1.4 Vent Pipe Run

**IMPORTANT:** The air duct pipe cannot run horizontally without a vertical rise.

**IMPORTANT:** The 1/2" clearance around the air duct pipes must be maintained.

Use #KZK-610 UL181 Class 0 Air Duct piping to connect the plenum(s) to the unit.

Hussong Mfg. requires pipes to be listed as UL181 Class 0 Air Duct to connect the plenum(s) to the unit.

**WHEN INSTALLING AIR DUCT PIPE MAINTAIN A MINIMUM 4" VERTICAL RISE FOR EVERY 12" HORIZONTAL RUN**

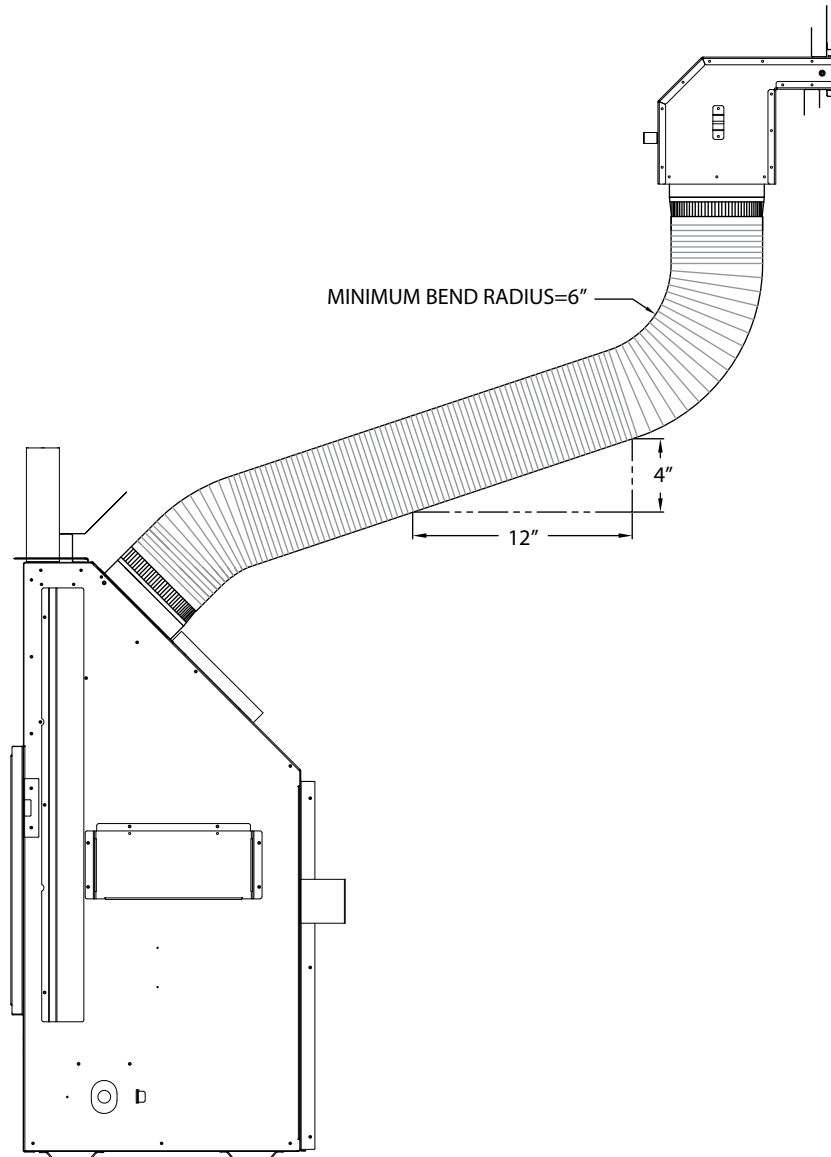
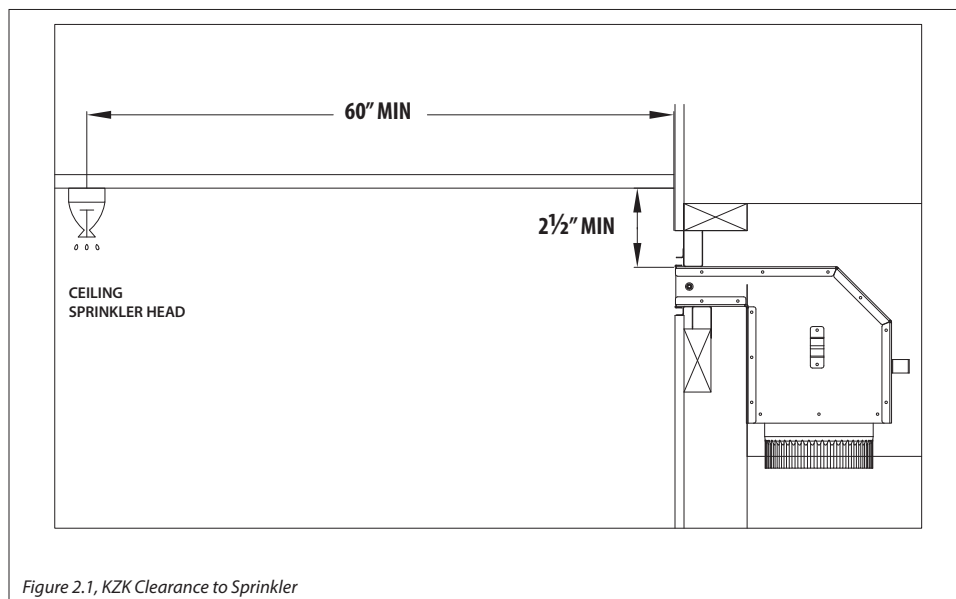


Figure 1.6, Minimum Vent Pipe Run

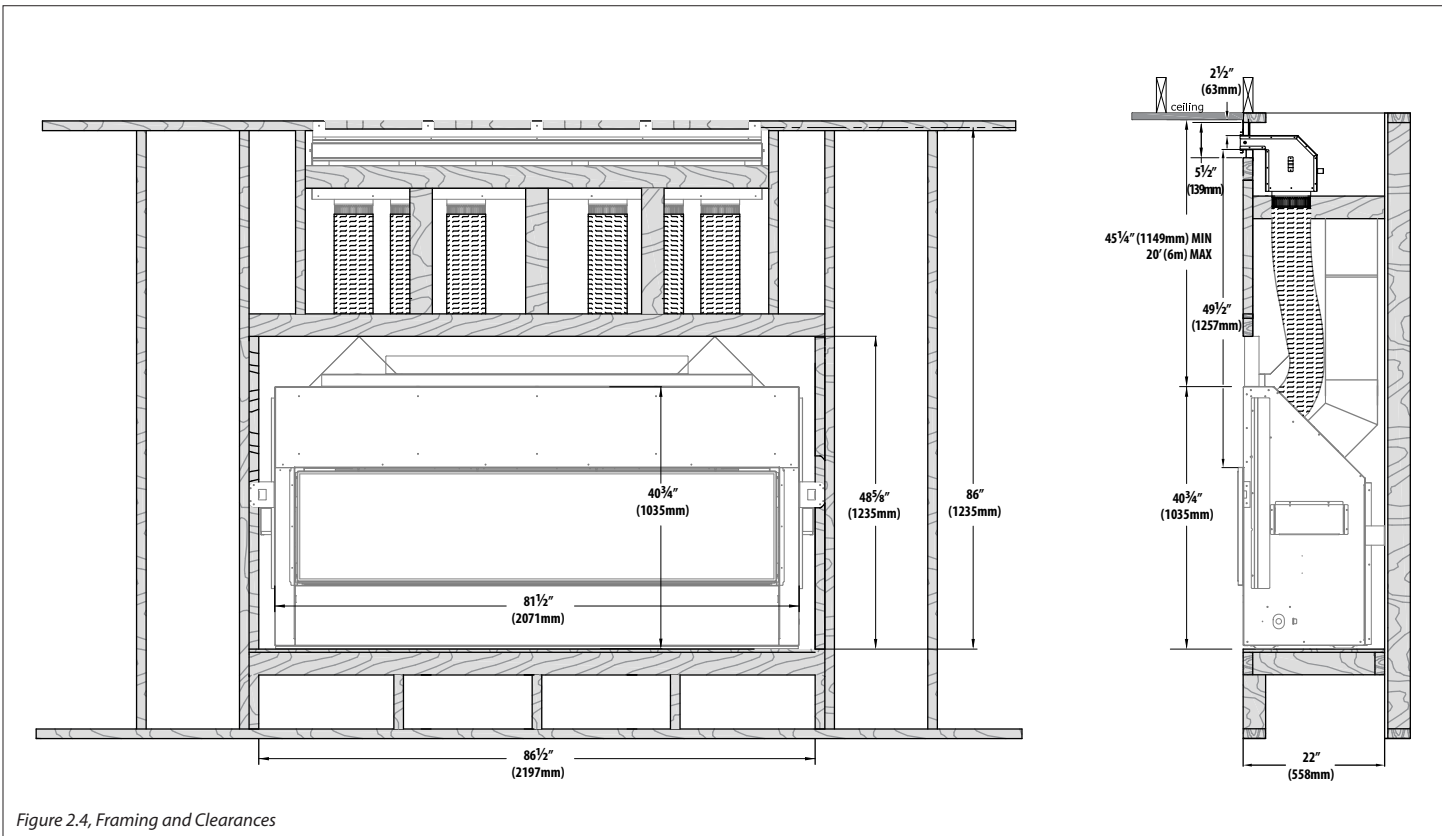
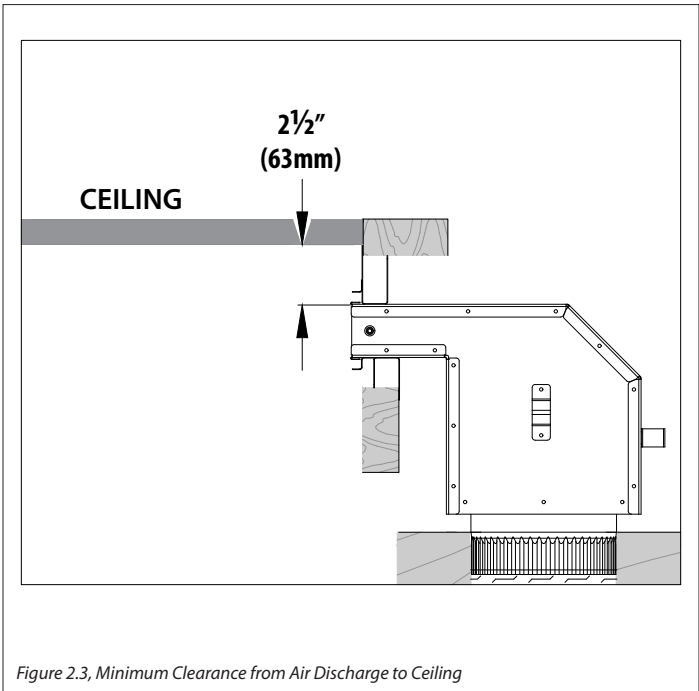
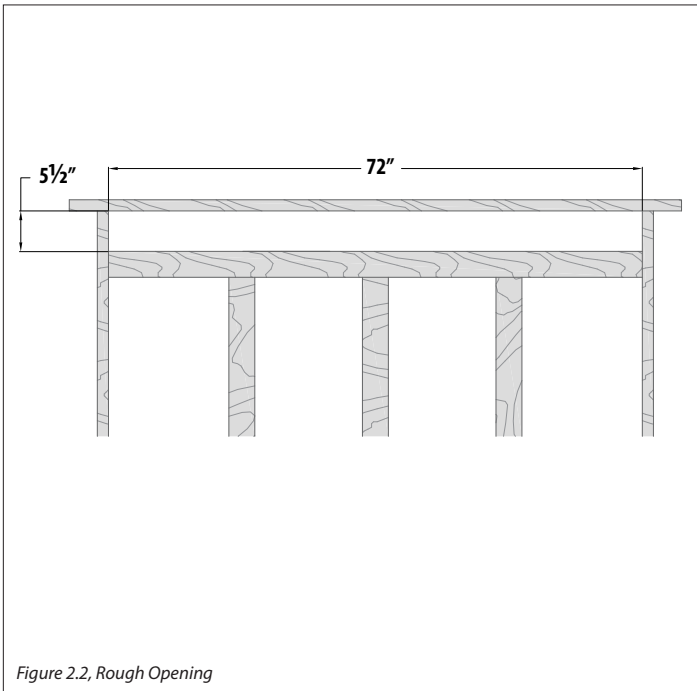
## 2.0 FRAMING AND CLEARANCES

### 2.1 Clearance to Sprinkler

- In a situation where a sprinkler head is installed within the proximity to a #KZK discharge opening, the diagram below **MUST** be followed.
- The distance between a sprinkler head and discharge opening cannot be less than 60" in length at every point from the origin of the discharge opening. You must also verify the sprinkler head sensor is set to the proper heat setting so it does not activate when the room heats up from the fireplace being operated normally.
- Please follow local building codes to determine what temperature setting is relevant for your installation.



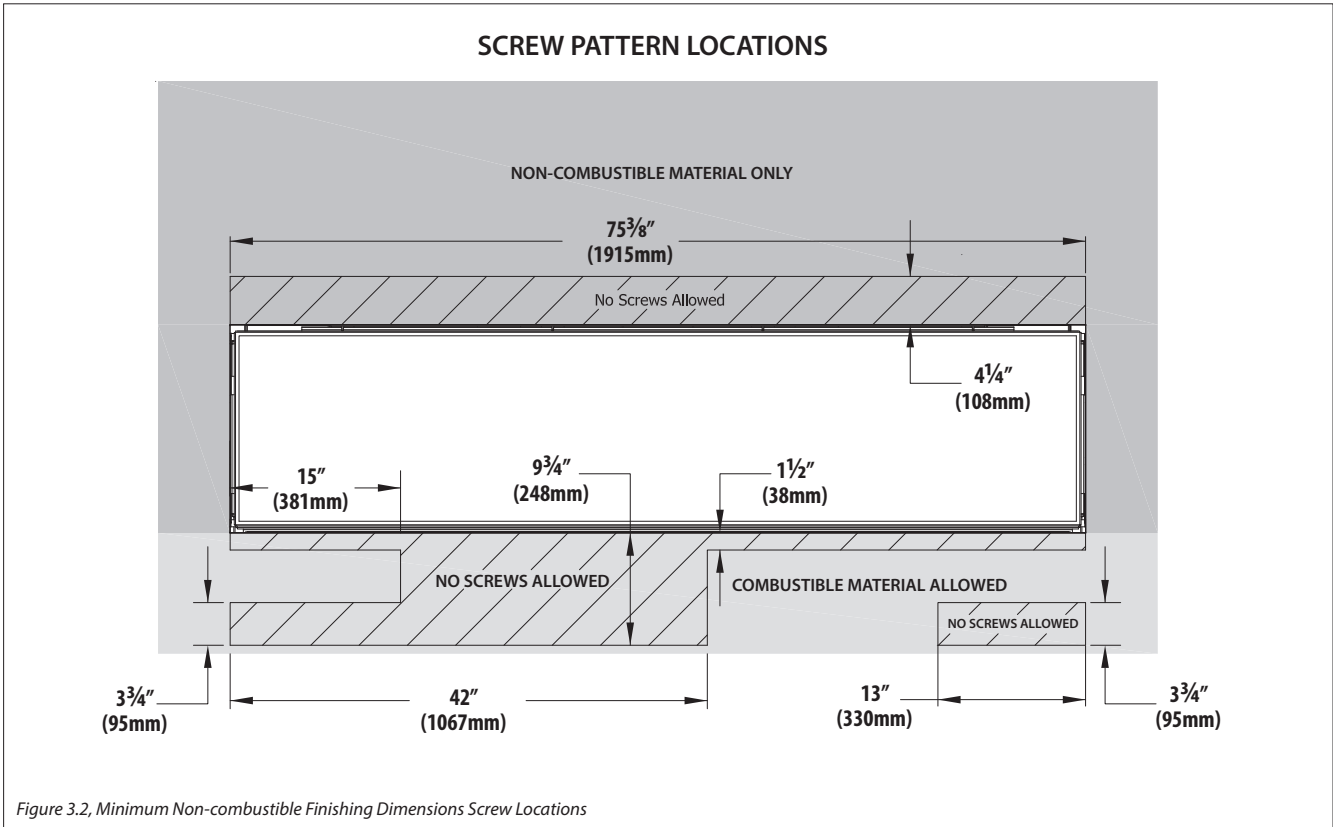
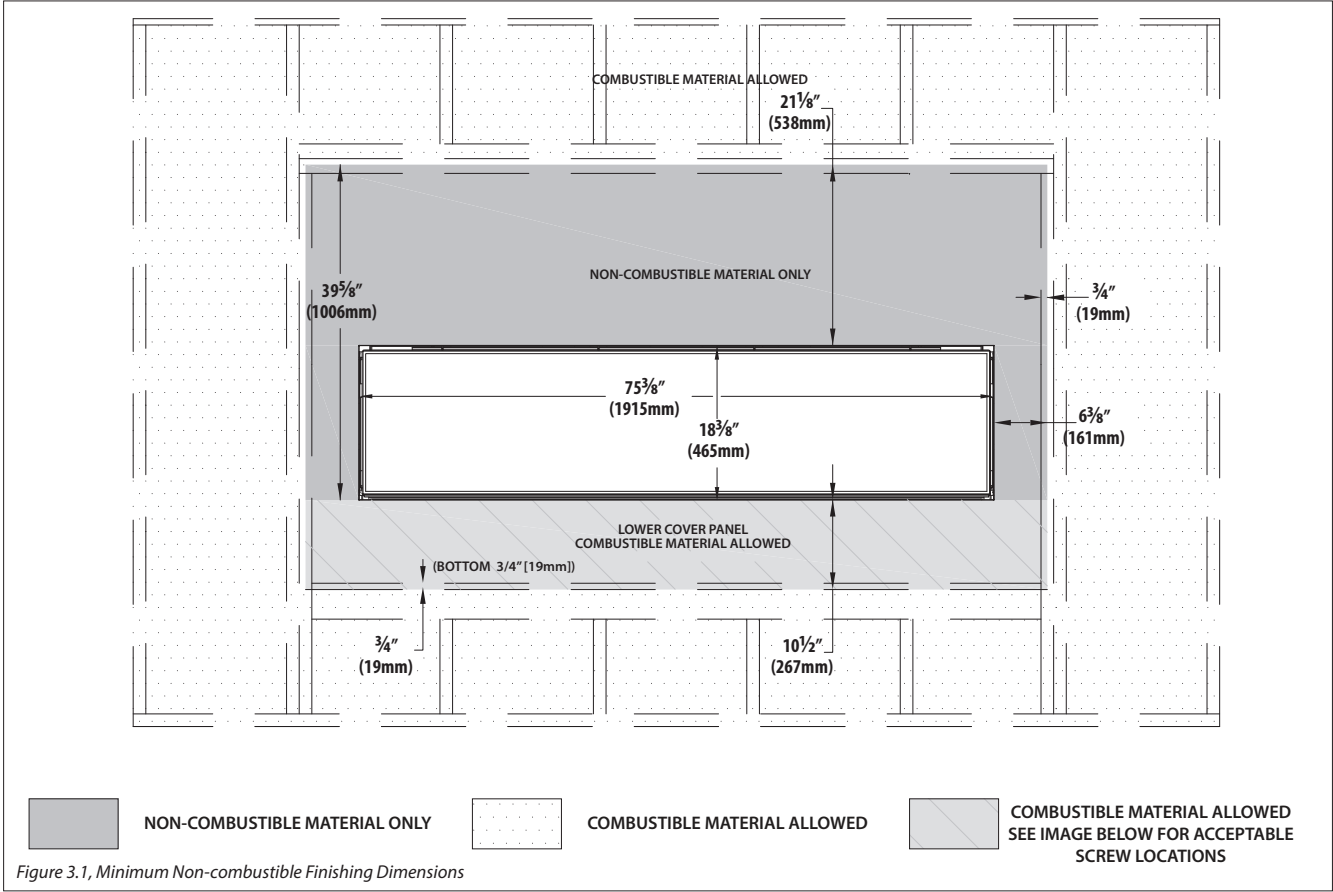
2.2 Framing





# 3.0 FACING AND FINISHING

## 3.1 Non-combustible Requirements



## 3.2 Combustible Finish

### 3.2.1 Trim Installation

**NOTE:** It is not required to use the #KZK-072 discharge trim if desired to run finishing material up to the finishing material standoff. Finishing material must not block the opening and must be run evenly along the plenum opening.

**WARNING! RISK OF OVERHEATING AND FIRE! Ensure the KZK duct system is installed in accordance to this manual AND the convection baffle is removed when using these combustible clearances.**

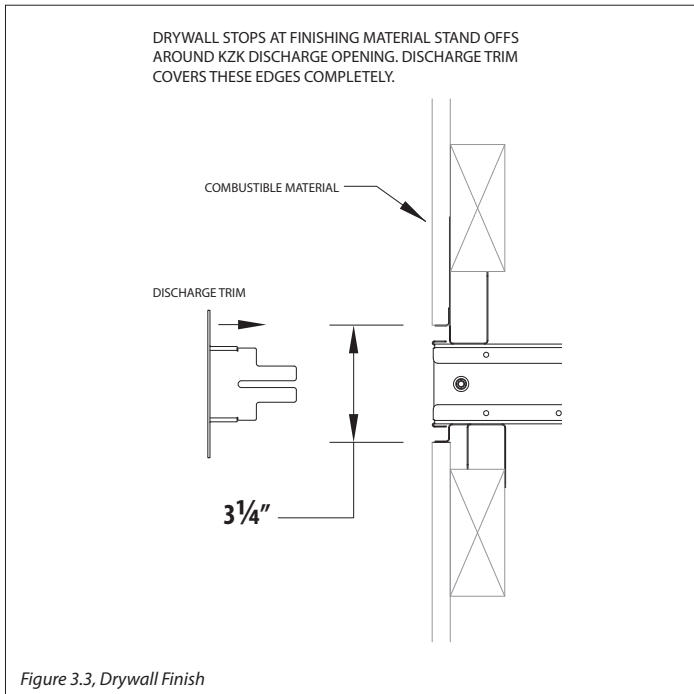


Figure 3.3, Drywall Finish

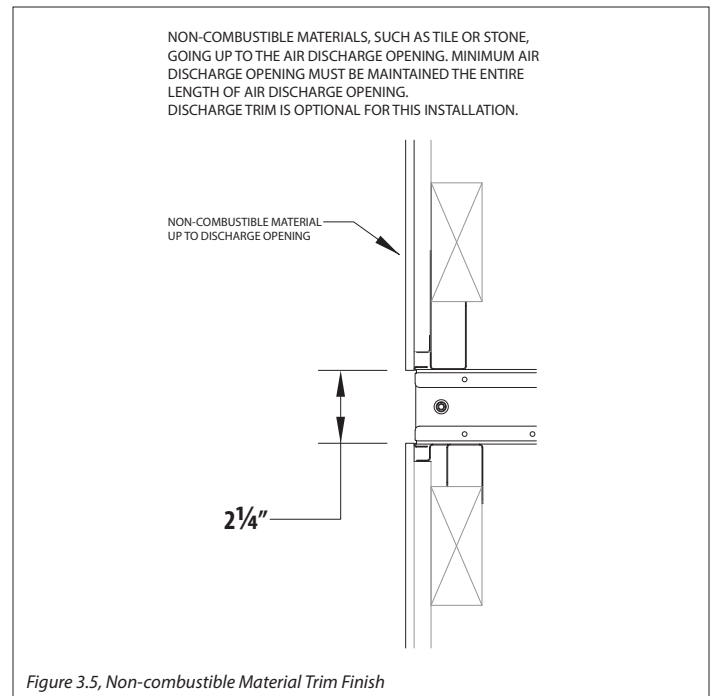


Figure 3.5, Non-combustible Material Trim Finish

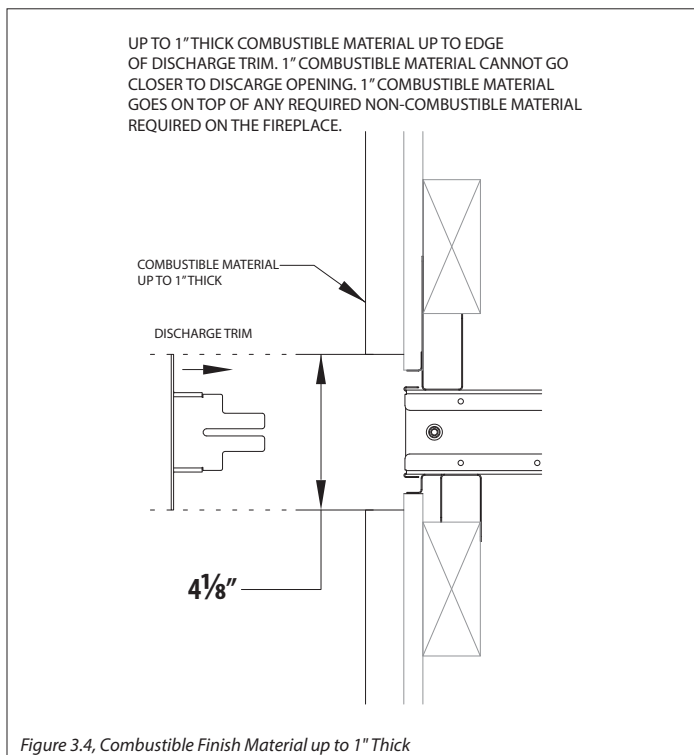


Figure 3.4, Combustible Finish Material up to 1" Thick

### 3.2.2 Combustible Wall Finish

- Figure 3.6 shows installation of combustible wall finish up to 1" thick. This combustible material goes on any required non-combustible materials as shown in Figure 3.1 on page 9.
- This 1" Combustible is able to go down to the fireplace finishing edge.
- See Figure 3.4 on page 10 for up to 1" thick combustible material installation around the discharge trim of the KZK air discharge opening.

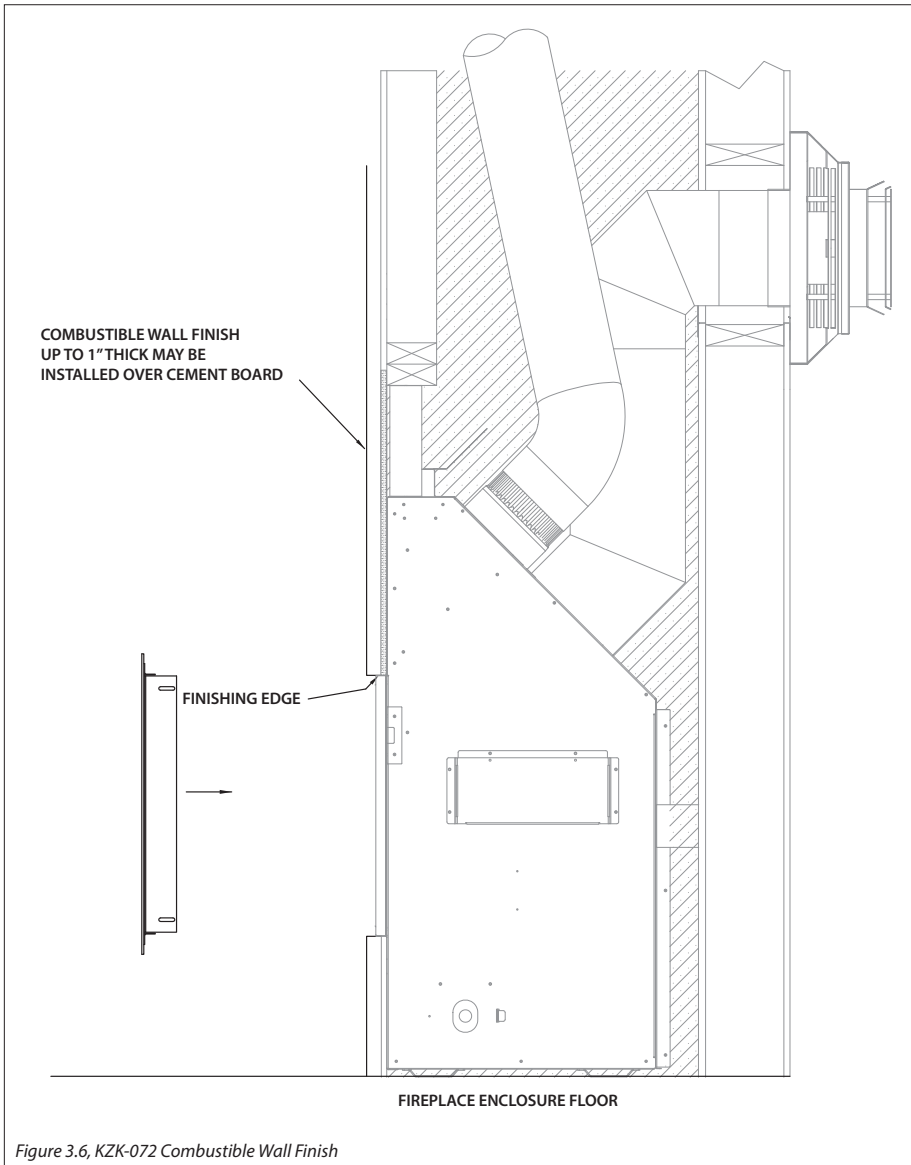


Figure 3.6, KZK-072 Combustible Wall Finish

The following drawings show the hearth and mantel clearances allowed for the CLW-72 with no surround or optional surrounds installed. Follow the drawings for the minimum distance needed between the hearth and mantel to allow for proper servicing clearances.



### FORGED SURROUND CW72-FS

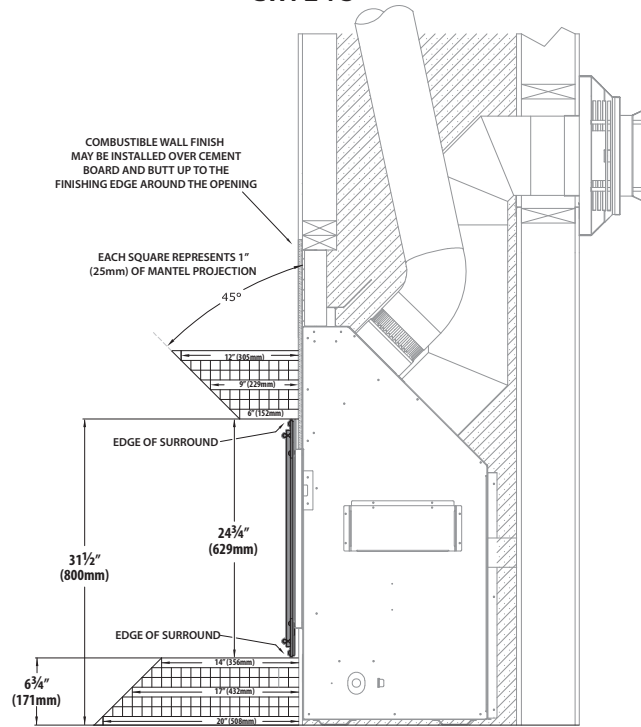


Figure 3.8, Hearth and Mantel Clearances for CW72-FS

### GALLERY SURROUND CW72-GS

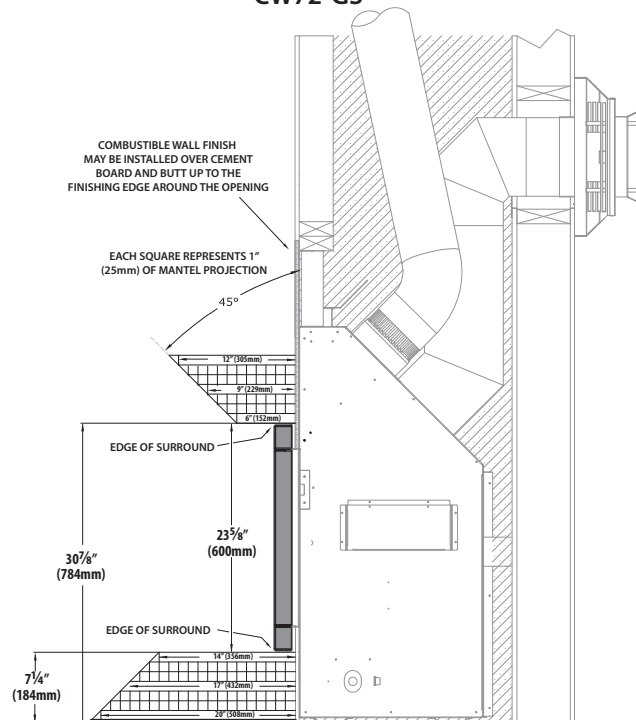


Figure 3.9, Hearth and Mantel Clearances for CW72-GS

### RECTANGLE SURROUND (1 PIECE) CW72-RS

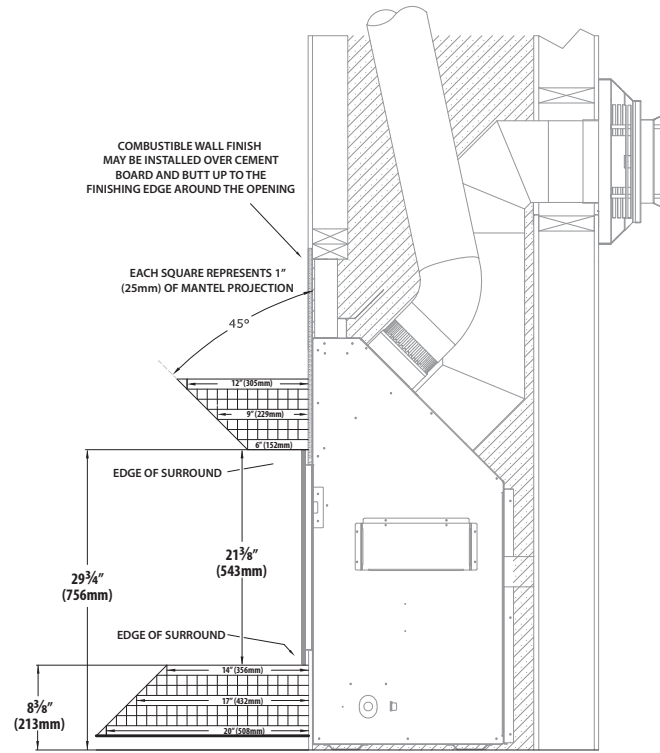


Figure 3.10, Hearth and Mantel Clearances for CW72-RS

### RECTANGLE SURROUND (4 PIECE) CW72-RS4

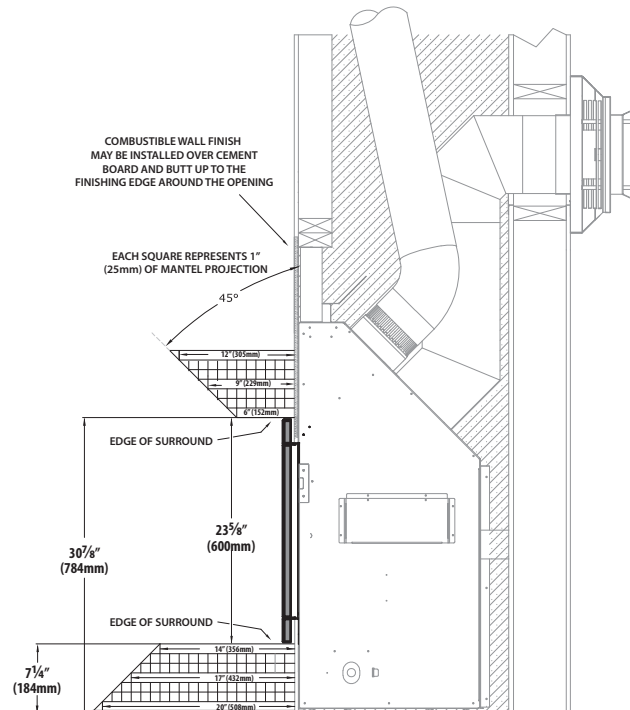


Figure 3.11, Hearth and Mantel Clearances for CW72-RS4

## 4.0 INSTALLATION

The Kozy Zone Kit requires that the convection baffle, located above the firebox inside the appliance metal cabinet, to be removed to allow the hot airflow to convect upwards into the air ducts installed on the fireplace.

1. Remove the convection baffle from the appliance. The baffle is secured by (2) screws right behind the upper edge of the fireplace opening. Recycle this panel if it is no longer needed.

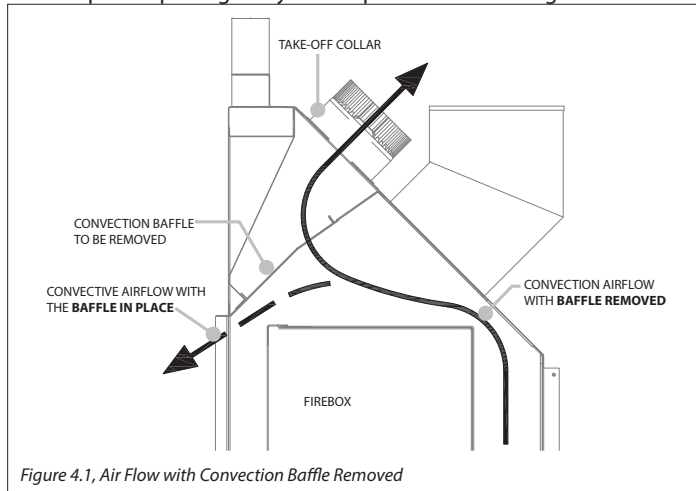


Figure 4.1, Air Flow with Convection Baffle Removed

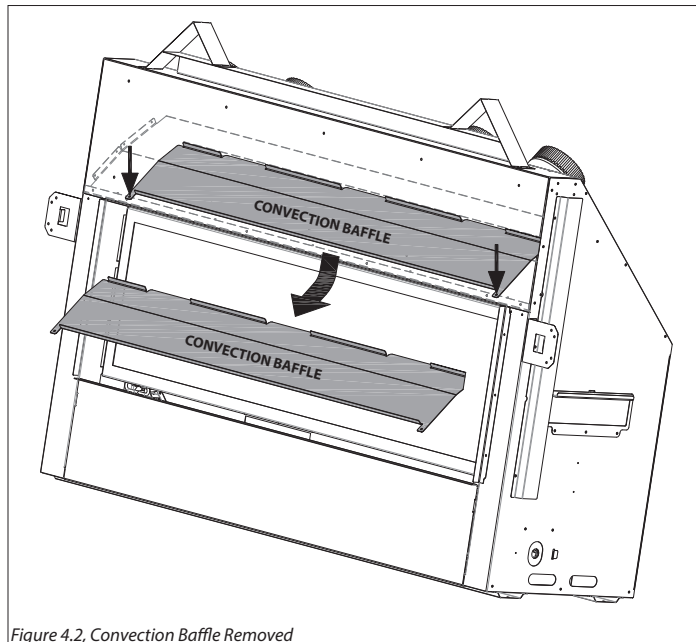


Figure 4.2, Convection Baffle Removed

2. Remove 6 cover plates on top of the appliance (4 screws each).
3. Align the take off collars to the corresponding holes on top of the appliance. Secure with screws previously removed. Install the take off collars to the corresponding opening(s) on the plenum(s). Use supplied screws.
4. Frame a rough opening at the desired location. See previous pages of this manual for allowable plenum positions and rough frame opening sizes.
5. Install the plenum(s) into the rough frame opening maintaining minimum clearances to combustibles as listed (see previous pages). Fix the plenum to the framing using nails or screw through the top mounting bracket.

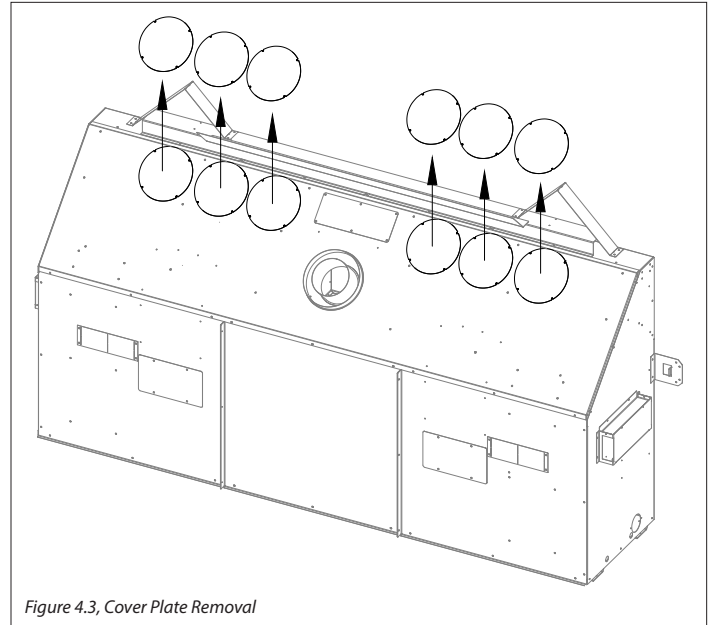


Figure 4.3, Cover Plate Removal

**NOTE: Mounting brackets are not intended to carry the weight of the plenum and pipes. Provide support to the underside of the plenum and ensure the plenum is level and its outlet is not distorted.**

6. Use metal strapping (all-around, not supplied) as required to further secure the plenum to framing.
7. Attach the piping from all (6) plenum take off collars to all (6) take off collars on the fireplace. If you are mounting the plenum 10' or less above the fireplace, use (1) #KZK-610 kit or UL-181 Class 0 approved air duct. If you are mounting the plenum between 10' to 20' above the fireplace then you will need (2) #KZK-610 kits and #KZK-CPL6 or UL-181 Class 0 approved air duct.
8. An upward slope must be maintained in horizontal sections of pipes for proper convection. Support horizontal sections every 24 inches.

9. Install the #KZK-072 discharge trim to the plenum after the wall finish is completed using (2) screws if using the #KZK-072 plenum. Finishing material must not block and should run evenly along plenum opening. The #KZK-072 discharge trim is optional depending on finishing material choice.
10. Continue with fireplace installation.

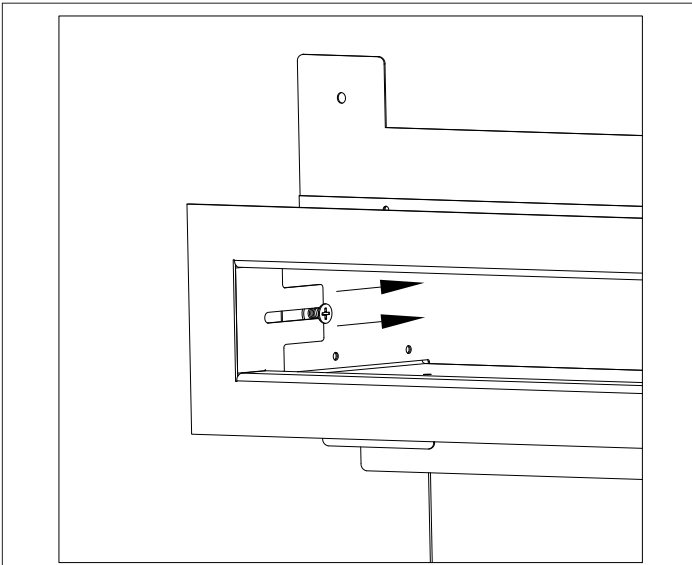


Figure 4.4, Trim Installation



