MUST READ BEFORE FRAMING

IMPORTANT INFORMATION

EST. 2004
ontario hearth ltd.

Marquis Serene 72

ZCVRB72NE, ZCVRB72LPE, MQZCVRB72NE2
MQZCVRB72LPE2
(Vented)

FRAMING
DIMENSIONS
SPECIFICATIONS
HEAT RELEASE REQUIREMENTS

QR LINK FOR
PDF DIGITAL COPY
OF SPECIFICATIONS:

72ZCVCSS Safety Screen Installation / Removal

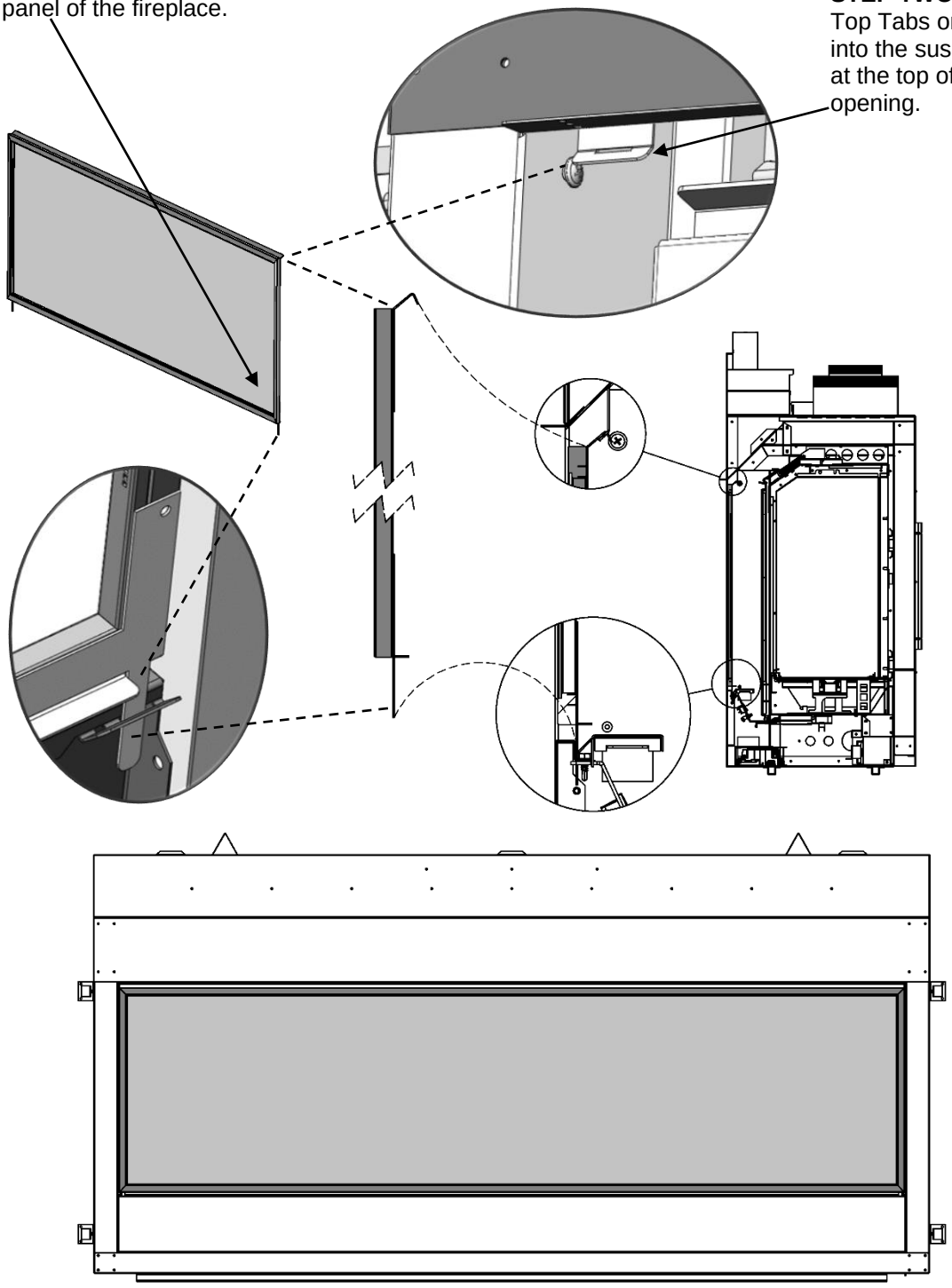
Screen Dimensions: 19-1/8” x 73-5/8”

⚠ WARNING:

Wait until unit is COMPLETELY cool before touching glass or attempting to install or remove Child Safety Screen.

STEP ONE: Engage [2] Bottom Tabs on the Screen into slots in the lower front panel of the fireplace.

STEP TWO: Hook the [3] Top Tabs on the Screen into the suspension hooks at the top of the fireplace opening.



To remove Safety Screen, **WAIT UNTIL FIREPLACE IS COMPLETELY COOL.** Push up at the top center of the Screen Frame, and pull away from the fireplace.

-Facing Materials-

AN <u>UNVENTED CHASE REQUIRES NON-COMBUSTIBLE COVERING</u> (I.E., CONCRETE BOARD) OVER THE FRONT FACE OF THE APPLIANCE.

A <u>Vented Chase can have a Combustible covering</u> (i.e., drywall) over the front face of the appliance.

<u>Notice:</u> Granite, tile, or other facing materials are not covered by the fireplace warranty. Natural stone, tile, and other facing materials may crack or discolor (i.e. yellowing of lighter colored materials).

NOTE: these issues can be avoided if the Chase is Vented.

Televisions are not covered by fireplace warranty.

<u>Notice: DurockR Brand Cement Board:</u> The manufacturer recommends ***CGC SheetrockR Brand DurabondR 90 Setting- Type Drywall Compound*** rather than a ready-mix product for finishing.

When finishing the wall around the fireplace, it is critical that the wall covering be fastened properly. It is acceptable to pre-drill holes and use self-tapping screws which may be used to fasten a backer for tile, marble, etc. Screws being installed through non-combustible board should be self-tapping type with a maximum length of 2 inches.
Do not drill or install longer screws (over 2") as this may damage internal components.

- We recommend that CONCRETE BOARD (non-combustible material) be tied in to the entire perimeter of the fireplace for durability.

Finishing Recommendations (Obtained from professional construction contractors and finishers):

- Frame unit with metal studs (minimum 20 gauge).**Wooden studs may be used, but may cause drywall screws to pop or pull due to wood studs drying out.**
- Minimum of 1/2" CONCRETE BOARD cement board (this **non-combustible** panel is ULC listed as a wall shield/floor protector) and fasten to the entire perimeter framing.
- Use fiberglass (mesh) tape for all joints in area of the fireplace.
- Use Yellow joint mud (contains high amounts of glue) – two coats, finishing with one coat of green topping mud, sand and prep for painting.
- If not using a surround, a metal "L" Trim may be used to finish perimeter of CONCRETE BOARD.
- OTHER NOTES:

-**A full single shee**t of non-combustible board (no joints) above the unit is recommended if possible.

-It is preferred to attach the non-combustible board to **framing only** and not directly to the unit to allow for expansion and contraction during normal operation.

-Lighter colored painted surfaces may discolor due to heat exposure.

ZCVRB72 Framing Your Gas Fireplace

This section is intended for qualified installers only. Before beginning, make note of where the gas and electrical accesses are located on the unit. This will streamline the construction process. Furthermore, familiarize yourself with the venting and clearance requirements (see Venting section) for this appliance. Failure to comply with those requirements can seriously compromise the safety and operation of the fireplace.

Specifications

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

Vertical Venting in Cold Climates

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

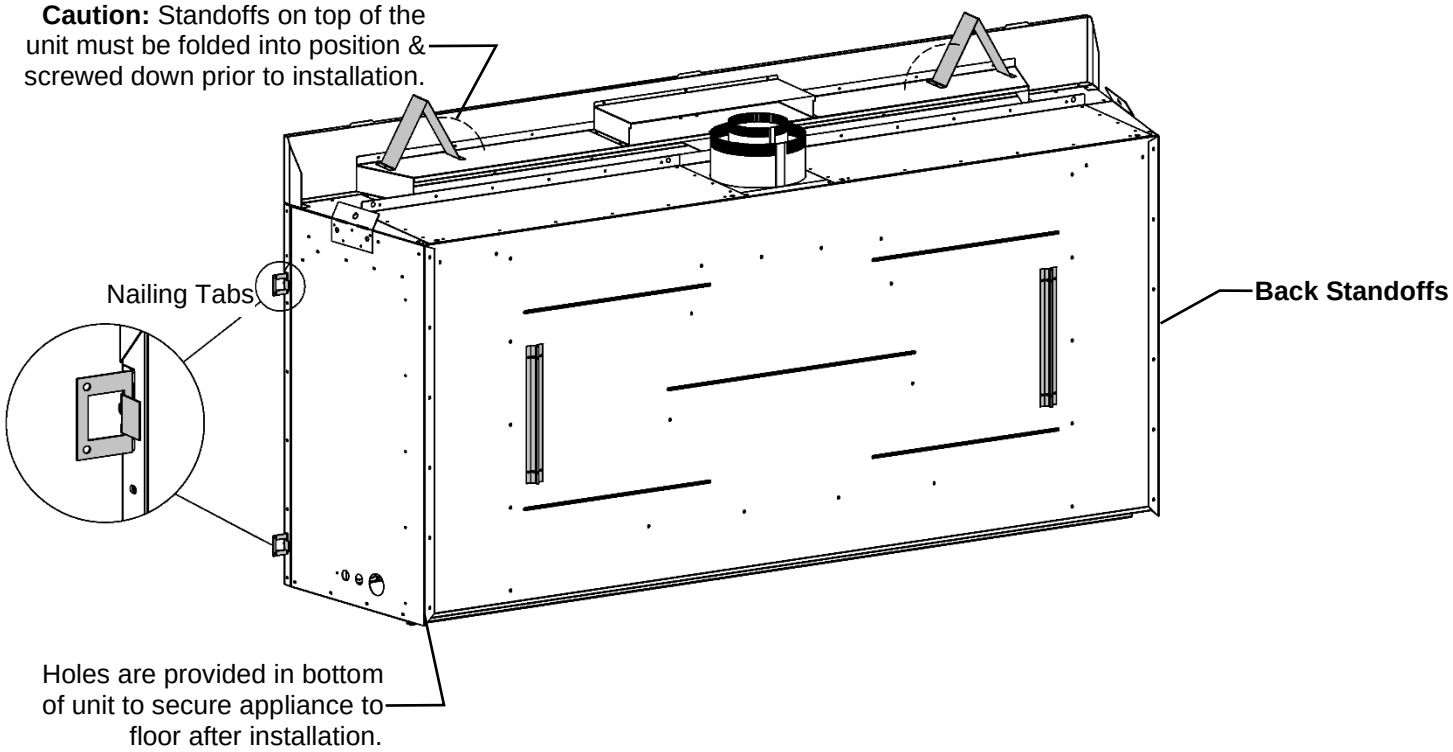
It is also important in vertical vented direct vent appliances that the appliance be operated daily during the winter months as this will help stop the termination from freezing up. We recommend using a thermostat set at room temperature to allow the unit to cycle.

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

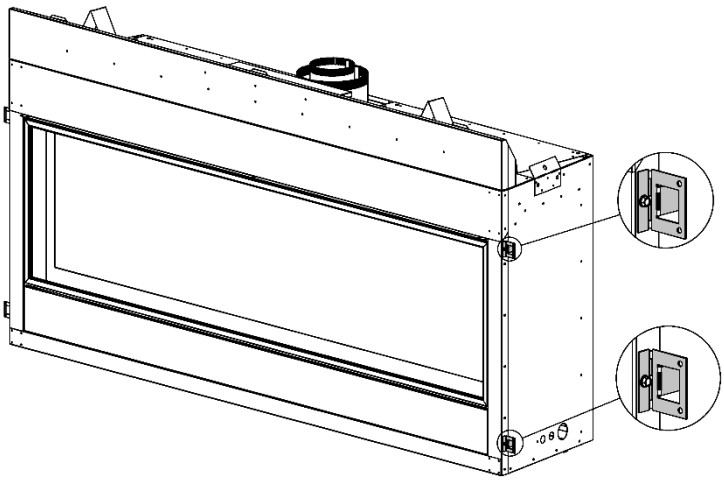
Certified for installation in a bedroom or bedsitting room. In Canada must be installed with listed millivolt thermostat. In USA see local codes.

Stand-off Locations

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



ZCVRB72 Nailing Tab Guide

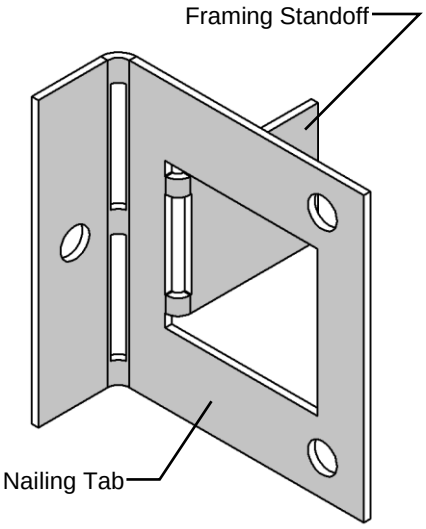


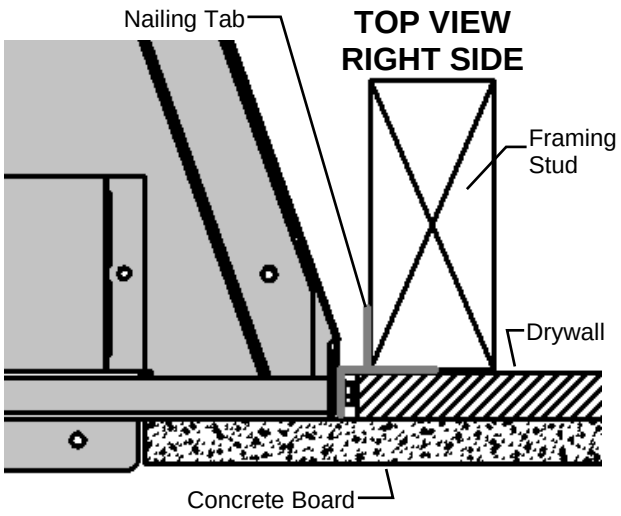
[Qty] 2 Nailing Tabs are located on each side of the fireplace front frame.

These Nailing Tabs can be used in two ways:

1/2” Drywall Flush with Face of Fireplace

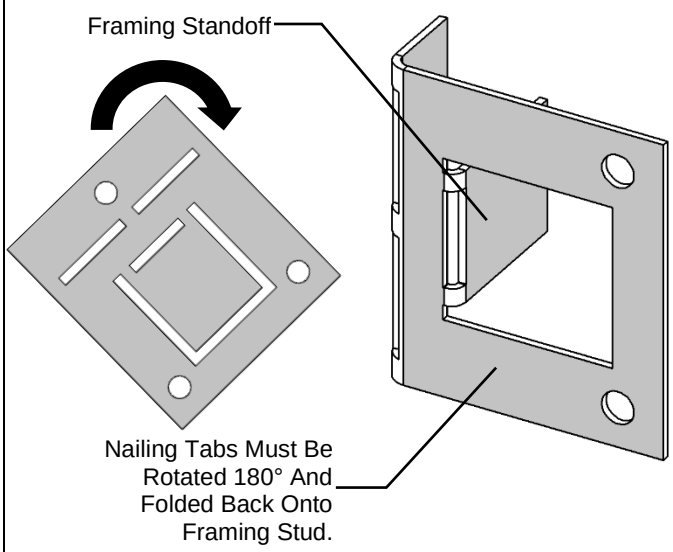
Fireplace and Combustible Wall to be covered with a surround and / or Non-Combustible Materials (e.g. Stone around Fireplace).

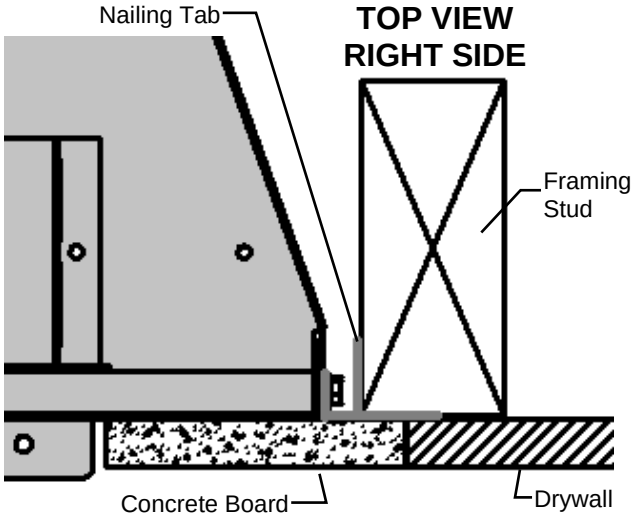




Framing Flush with Face of Fireplace

Fireplace to be covered with Non-Combustibles (e.g. Concrete Board) for **Flat Wall** appearance.

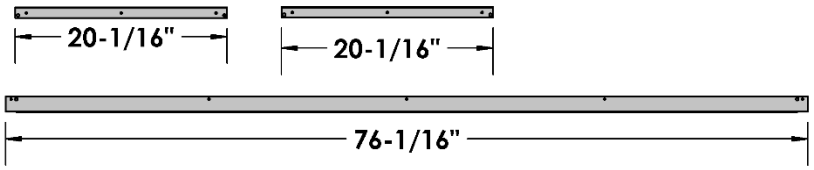


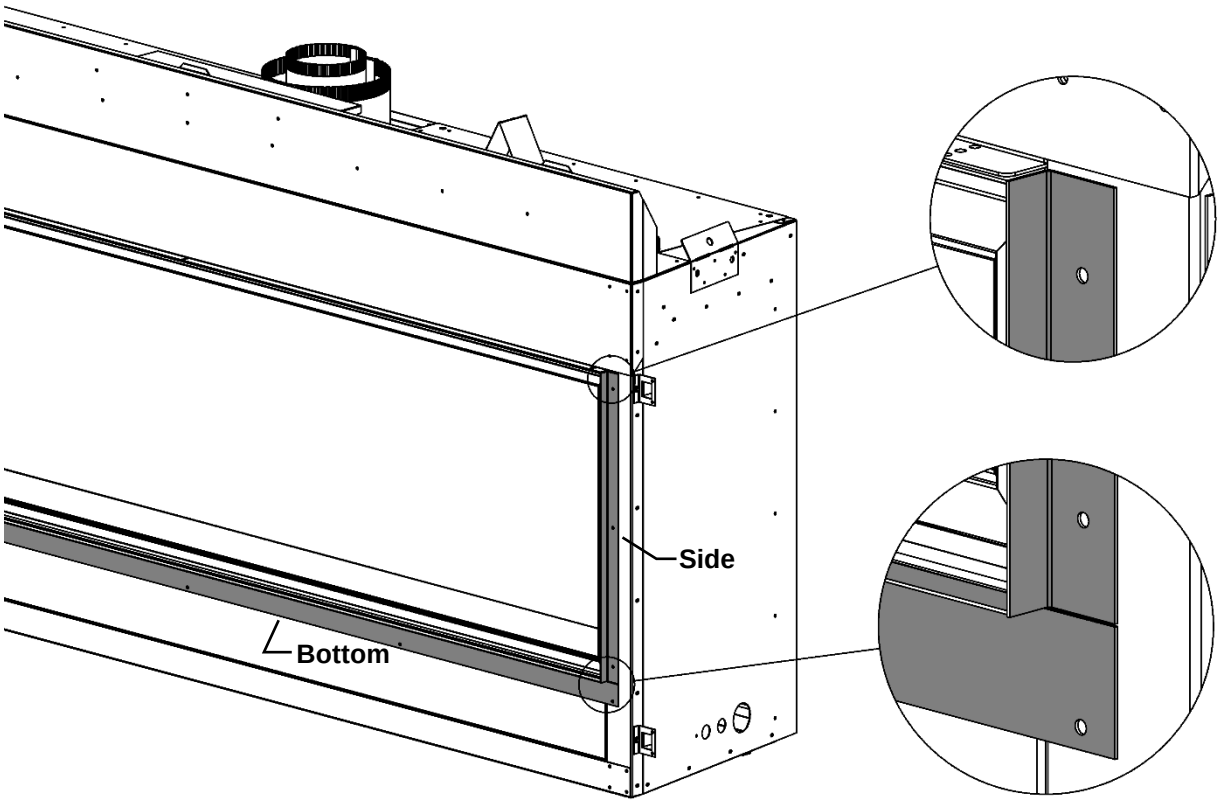


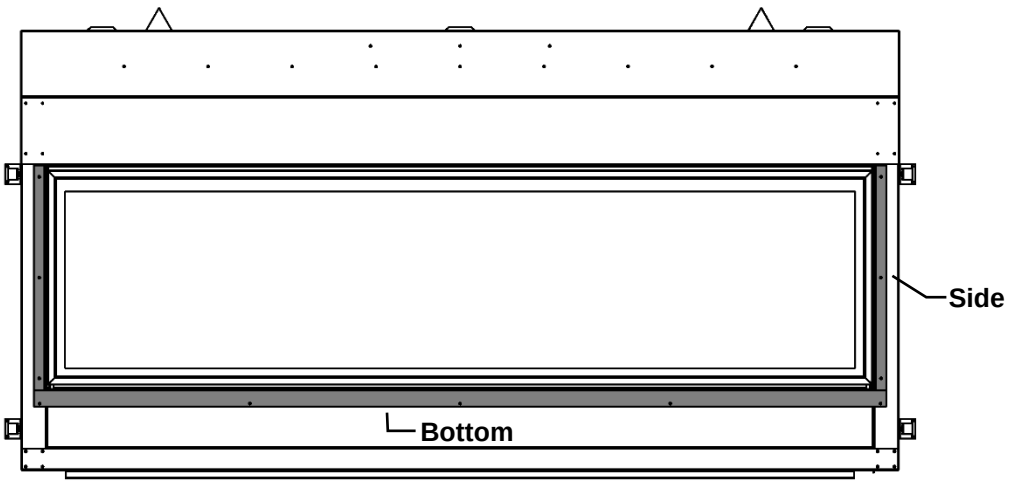
72ZRB-TLK ZCVRB72 Tile Lip Kit

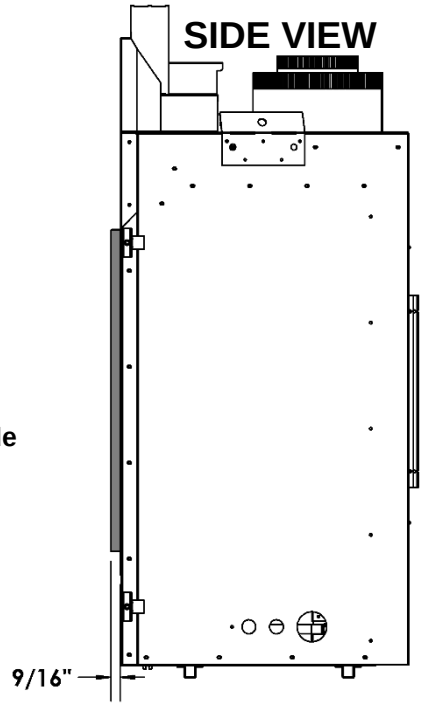
ZCVRB72 Tile Lip Kit (72ZRB-TLK):

-1 Bottom Piece
-2 Sides
- [Qty] 11 Pan Head DT Screws









ZCVRB72 –Unvented Chase VS Vented Chase- Choose Your Installation

Look at the following chart before you begin the installation.

	Lowest Enclosure	Wall Surface Temperature above front of fireplace	TV above Fireplace with Recessed Installation option	Mantel Height (From Bottom of Unit)	Heat can be directed to second room
UNVENTED CHASE	79”	Moderately Hot	Not Recommended	40-1/2”	No
VENTED CHASE	79”	**40% Cooler** than unvented chase	Yes (Recommended)	28”	Yes

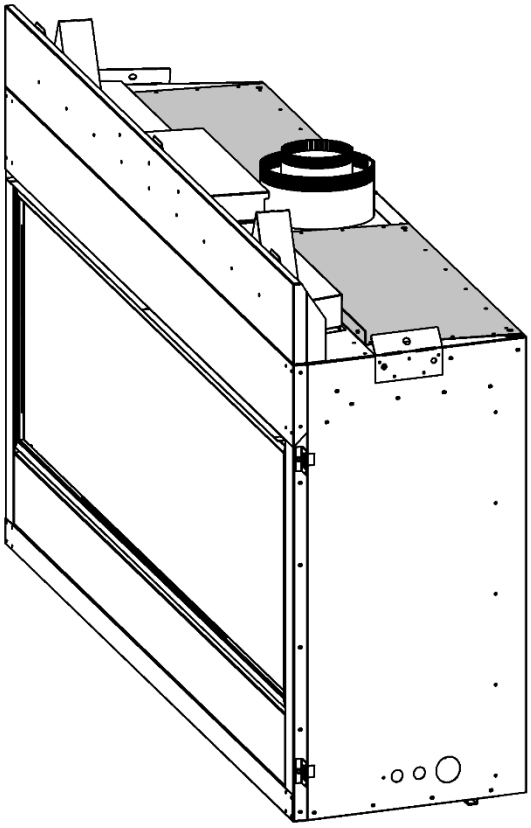
FRAMED AS

UNVENTED CHASE:

This is a traditional fireplace installation where the fireplace is built into an unvented chase.

- **Non-Combustible Materials Must be used on face of fireplace**
- Wall surface temperature will be moderately hot
- TV above Fireplace is not recommended
- Mantel height is higher

Fireplace will be installed with Ventilation Plates in place (as shipped).



See **“Chase Not Vented”** Framing Section

FRAMED AS

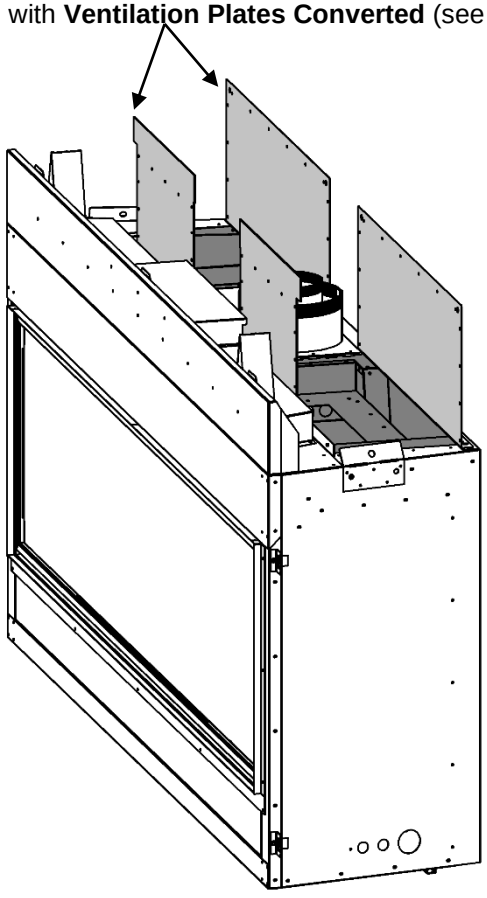
VENTED CHASE:

The fireplace is installed into a vented chase. There are many different styles of vented chase. See pages in manual for installation details and information.

- **Combustible Materials may be used on face of fireplace**
- Chase walls will be cool to the touch.
- A TV is allowed above the fireplace (recommended)
- Mantel height is lower

Fireplace will be installed with **Ventilation Plates Converted** (see instructions in manual).

- A minimum opening of **285** square inches of ventilation area is required.
- Kingsman **VL72EG or VL72EGS** Grills may be used.
- If a custom grill is used, free air opening must total **285** square inches with no sloping louvers.



See **“Vented Chase”** Framing Section

⚠ **CAUTION:** IF VENTILATION PLATES ARE CONVERTED, YOU **MUST** VENT THE CHASE!

ZCVRB72 Locating Your Appliance

LOCATION KEY:

A. Flat on Wall

B. Across the Corner

C. As an Island

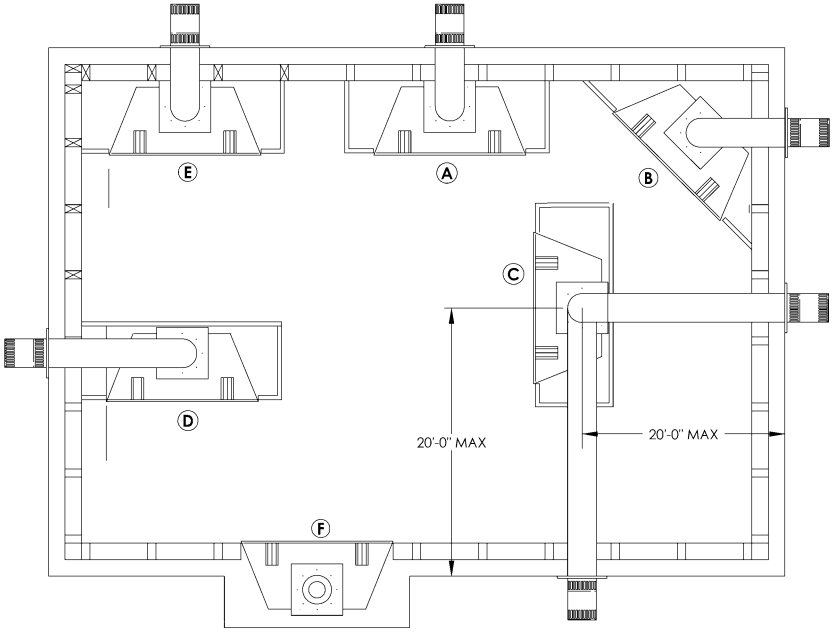
D. As a Room Divider

E. Flat on Wall Corner

F. Exterior Wall

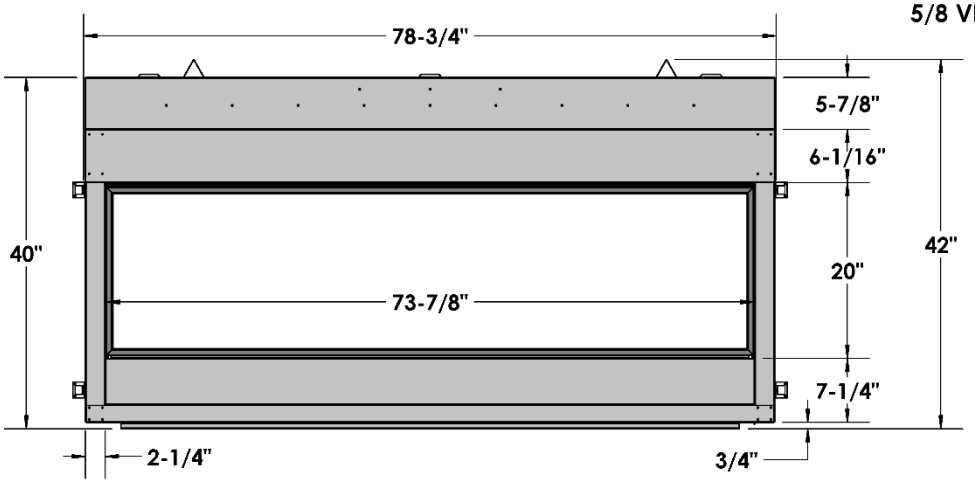
See Mantel Leg Clearances Instruction for the proper placement of fireplace.

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

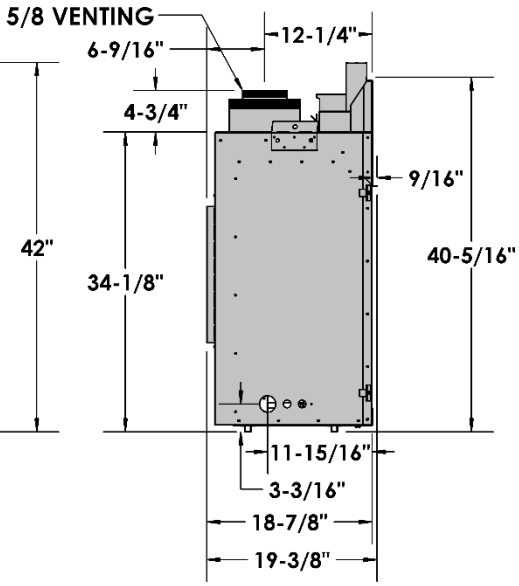


ZCVRB72 Fireplace Dimensions

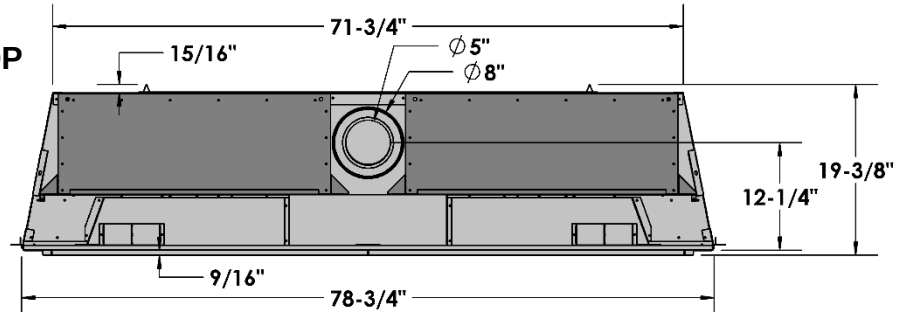
FRONT



LEFT SIDE



TOP



ZCVRB72 – Vented Chase – Style 1 – OPENING WITH NO GRILL

- **VENTILATION PLATES ON FIREPLACE MUST BE CONVERTED TO VERTICAL POSITION.**
- Minimum Enclosure Height is **79"** from the bottom of the appliance.
- Openings must be at the top of the chase.

MINIMUM CHASE OPENING IS 285 SQUARE INCHES FREE AIR.

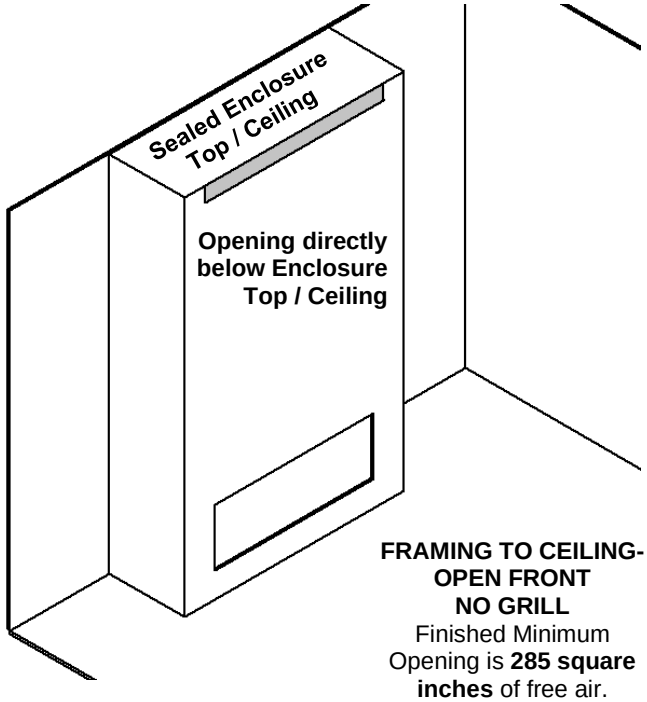
⚠ NOTE:

HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING. Heat must exit through the required vented chase opening near the ceiling.

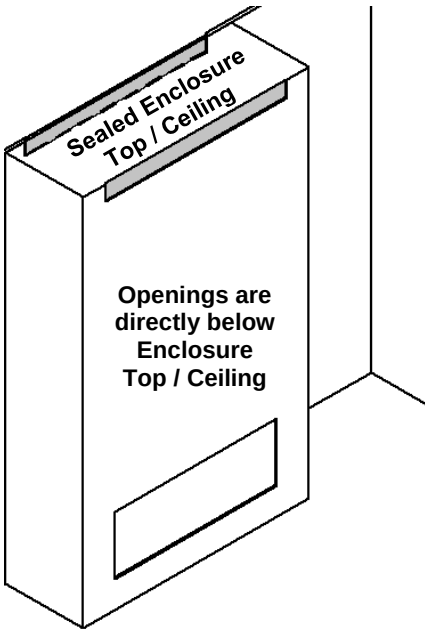
ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES ABOVE THE APPLIANCE.

Please follow the current CSA C22.1 Canadian Electrical Code or the National Electrical Code; ANSI/NFPA 70 when installed in the United States.

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



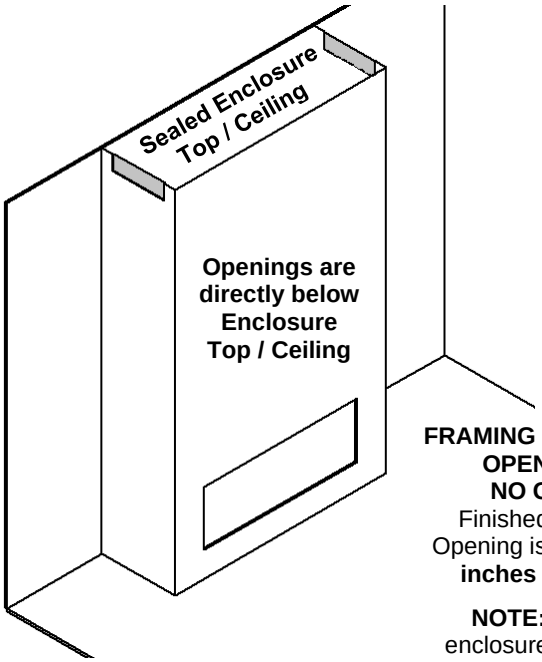
FRAMING TO CEILING- OPEN FRONT NO GRILL
Finished Minimum Opening is **285 square inches** of free air.



FRAMING TO CEILING- OPEN FRONT AND BACK NO GRILL

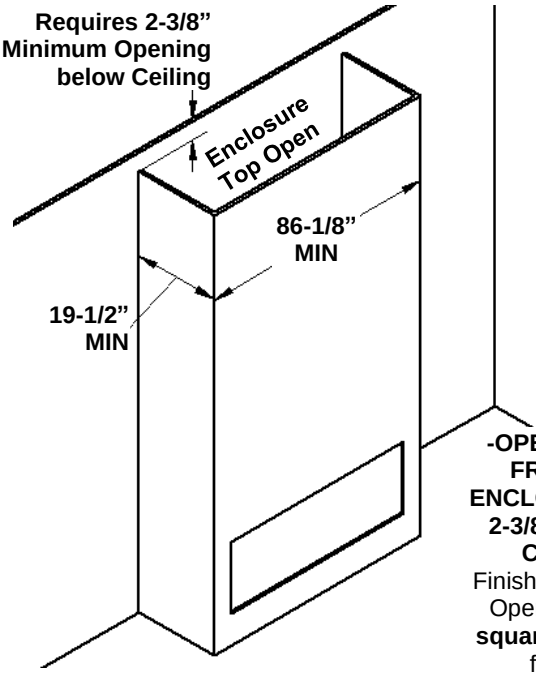
Each opening must be **285 square inches** of free air.

Both Chase Vent Openings Must be in the same Pressure Zone (Room / Area)



FRAMING TO CEILING- OPEN SIDES NO GRILLS
Finished Minimum Opening is **285 square inches** of free air.

NOTE: Sides of enclosure must have equal sized openings.



-OPEN CHASE FRAMING- ENCLOSURE MIN 2-3/8" BELOW CEILING
Finished Minimum Opening is **285 square inches** of free air.

ZCVRB72 – Vented Chase – Style 2 – OPENING WITH GRILL

- **VENTILATION PLATES ON FIREPLACE MUST BE CONVERTED TO VERTICAL POSITION.**
- Grill openings must be within 3/4" of enclosure top.
- Minimum Enclosure Height is **79"** from the bottom of the appliance.
- If **Kingsman VL72EG** Grill is used, ***rough opening required is 3-5/8" x 78-5/8".*** Any obstacles, such as vertical studs should be notched back 1-1/2" from finished face of wall.
- If **Kingsman VL72EGS** Side Grills are used, ***rough openings required are 9" x 15-1/4".*** Both sides of chase must be vented.

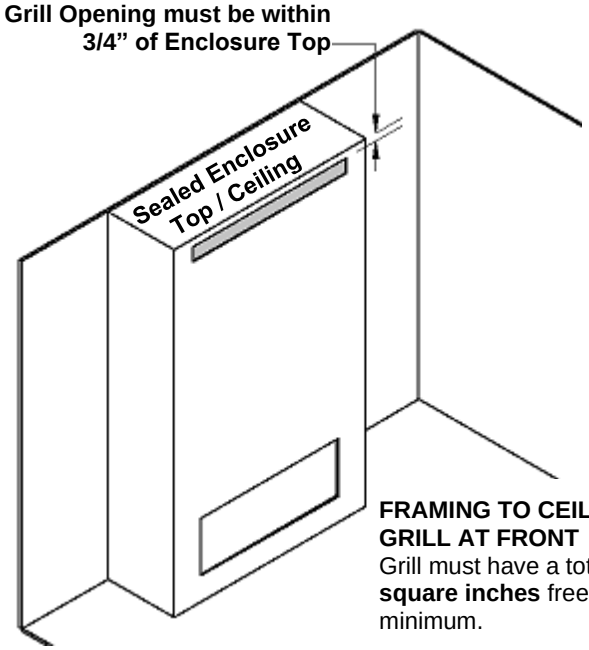
⚠ **NOTE: HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING.** Heat must exit through the required vented chase opening near the ceiling.

ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES ABOVE THE APPLIANCE.

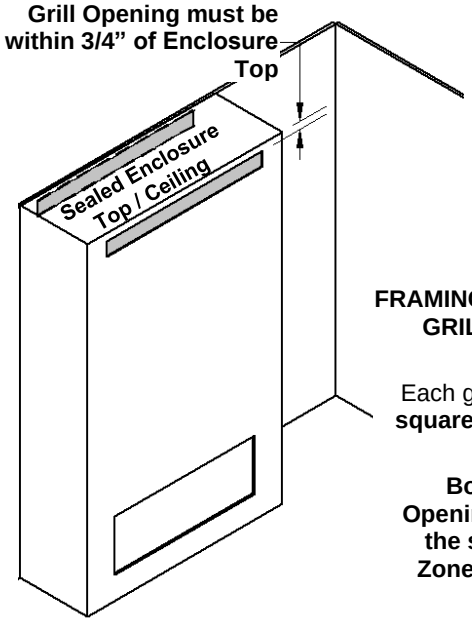
Please follow the current CSA C22.1 Canadian Electrical Code or the National Electrical Code; ANSI/NFPA 70 when installed in the United States.

⚠ **NOTE:** Outsourced grills must have ***285 square inches minimum free air opening and no sloping louvers***

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

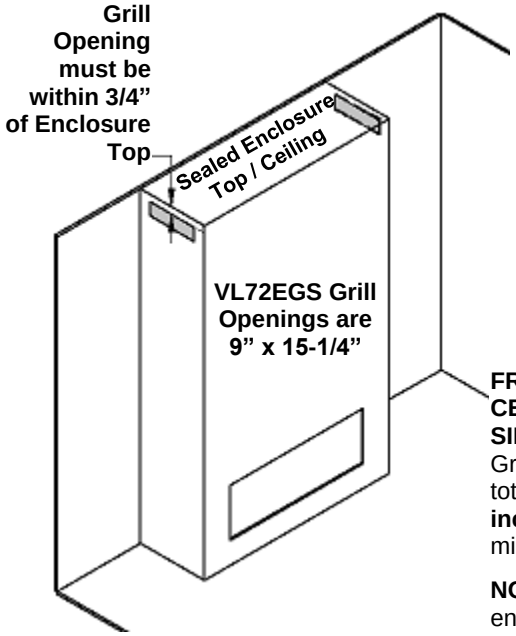


FRAMING TO CEILING- GRILL AT FRONT
Grill must have a total of **285 square inches** free air minimum.



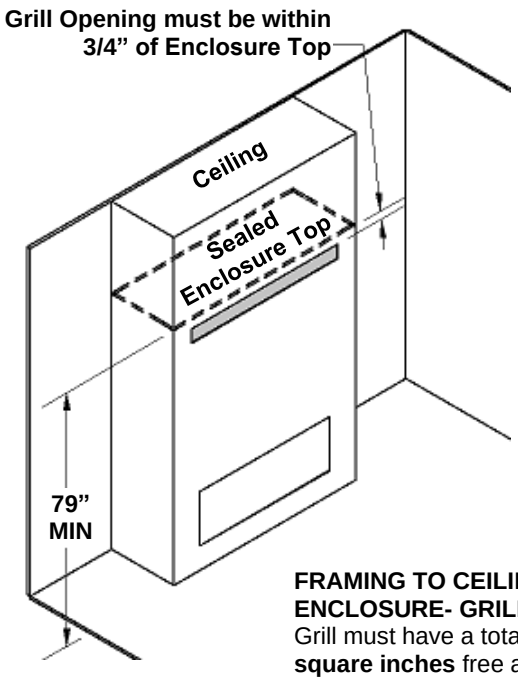
FRAMING TO CEILING- GRILLS AT FRONT AND BACK
Each grill must be **285 square inches** free air minimum.

Both Chase Vent Openings Must be in the same Pressure Zone (Room / Area)



FRAMING TO CEILING- SIDE GRILLS
Grills must have a total of **285 square inches** free air minimum.

NOTE: Sides of enclosure must have equal sized grills.

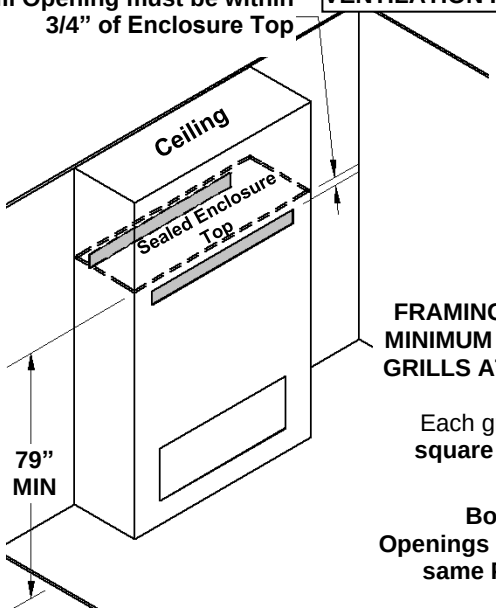


FRAMING TO CEILING- MINIMUM ENCLOSURE- GRILL AT FRONT
Grill must have a total of **285 square inches** free air minimum.

(Continued on next page)

ZCVRB72 – Vented Chase – Style 2 – OPENING WITH GRILL

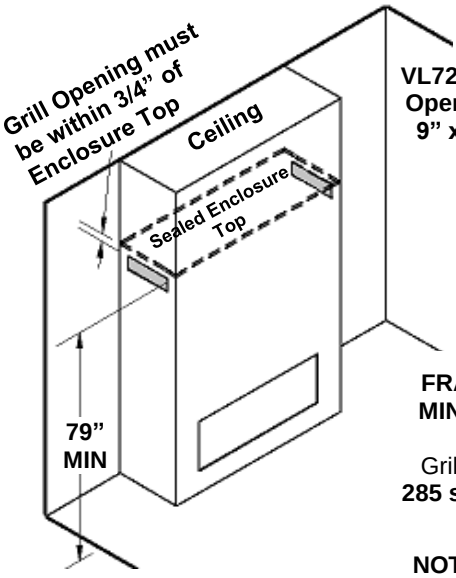
VENTILATION PLATES ON FIREPLACE MUST BE CONVERTED TO VERTICAL POSITION.



FRAMING TO CEILING- MINIMUM ENCLOSURE- GRILLS AT FRONT AND BACK

Each grill must be **285 square inches** free air minimum.

Both Chase Vent Openings Must be in the same Pressure Zone (Room / Area)

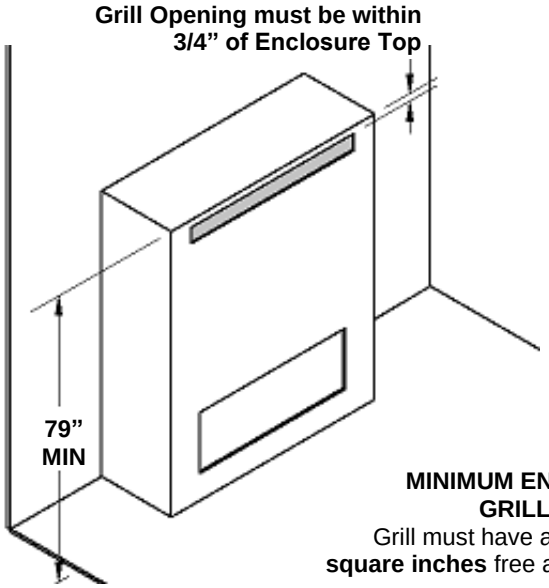


VL72EGS Grill Openings are 9" x 15-1/4"

FRAMING TO CEILING - MINIMUM ENCLOSURE- SIDE GRILLS

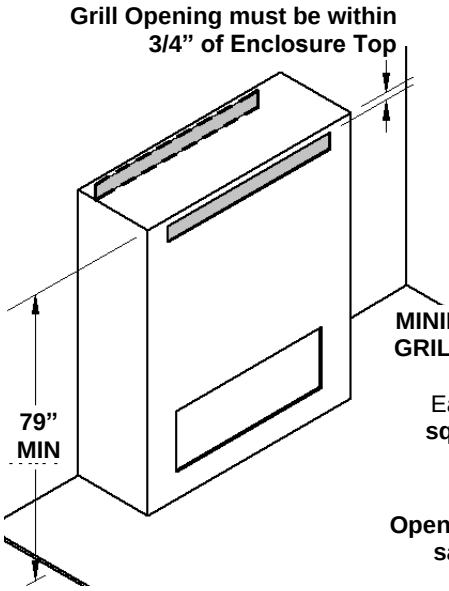
Grills must have a total of **285 square inches** free air minimum.

NOTE: Sides of enclosure must have equal sized grills.



MINIMUM ENCLOSURE- GRILL AT FRONT

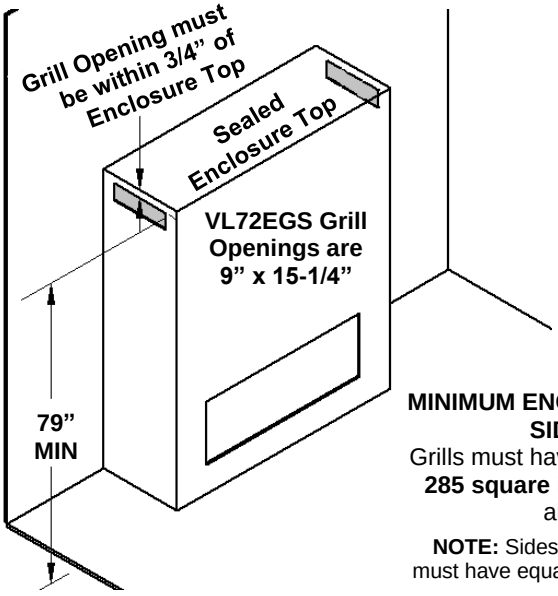
Grill must have a total of **285 square inches** free air minimum.



MINIMUM ENCLOSURE- GRILLS AT FRONT AND BACK

Each grill must be **285 square inches** free air minimum.

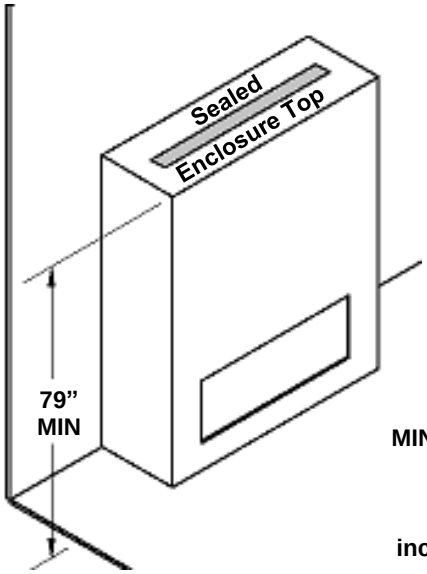
Both Chase Vent Openings Must be in the same Pressure Zone (Room / Area)



MINIMUM ENCLOSURE- SIDE GRILLS

Grills must have a total of **285 square inches** free air minimum.

NOTE: Sides of enclosure must have equal sized grills.

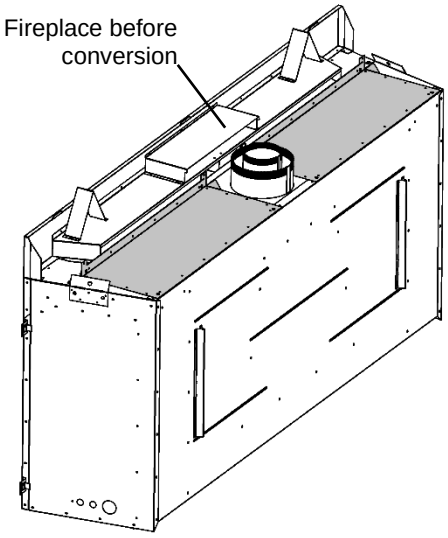


MINIMUM ENCLOSURE- GRILL AT TOP

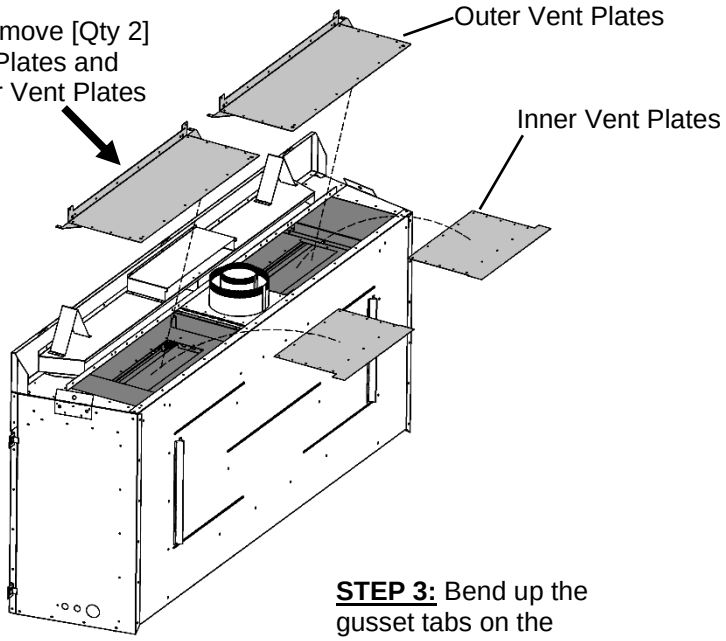
Grill area must have a total of **285 square inches** free air minimum.

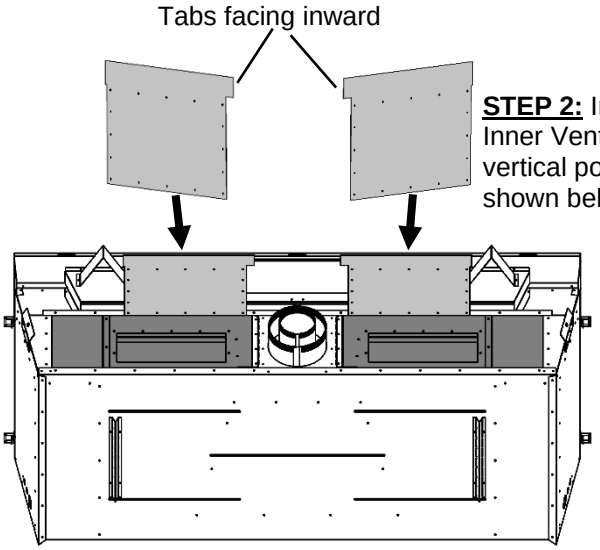
ZCVRB72 -Vented Chase –Conversion of Ventilation Plates-

⚠ CAUTION: Ventilation Plates must be converted to vertical position before ZCVRB72 is installed into a Vented Chase.



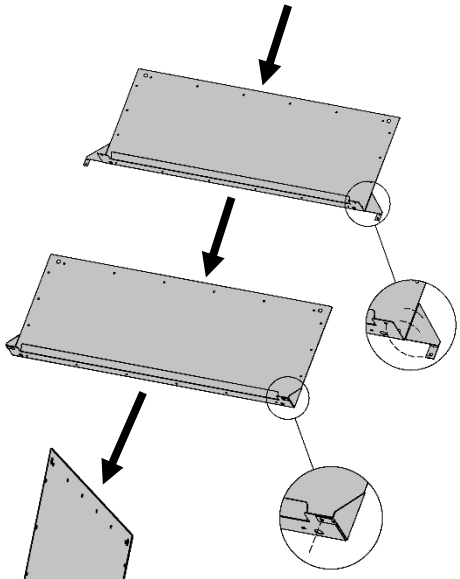
STEP 1: Remove [Qty 2] Outer Vent Plates and [Qty 2] Inner Vent Plates

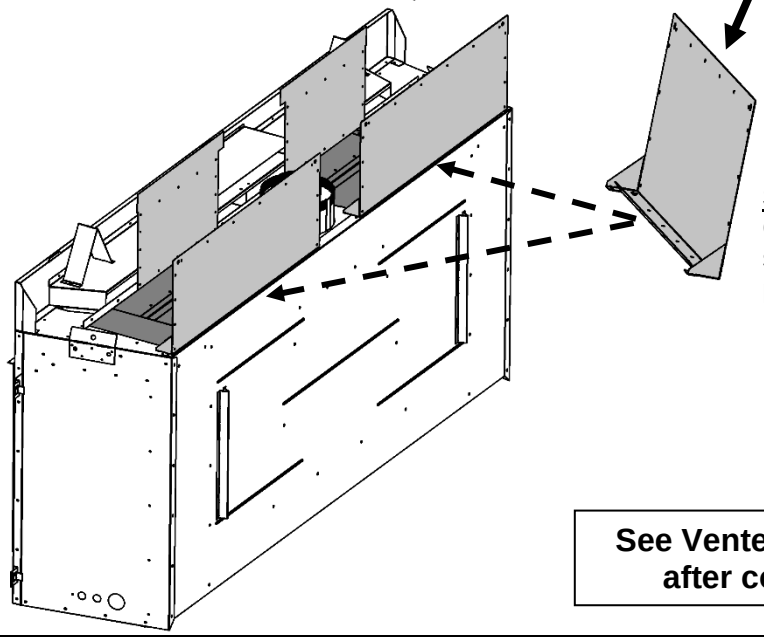




STEP 2: Install the Inner Vent Plates in a vertical position as shown below.

STEP 3: Bend up the gusset tabs on the Outer Vent Plates





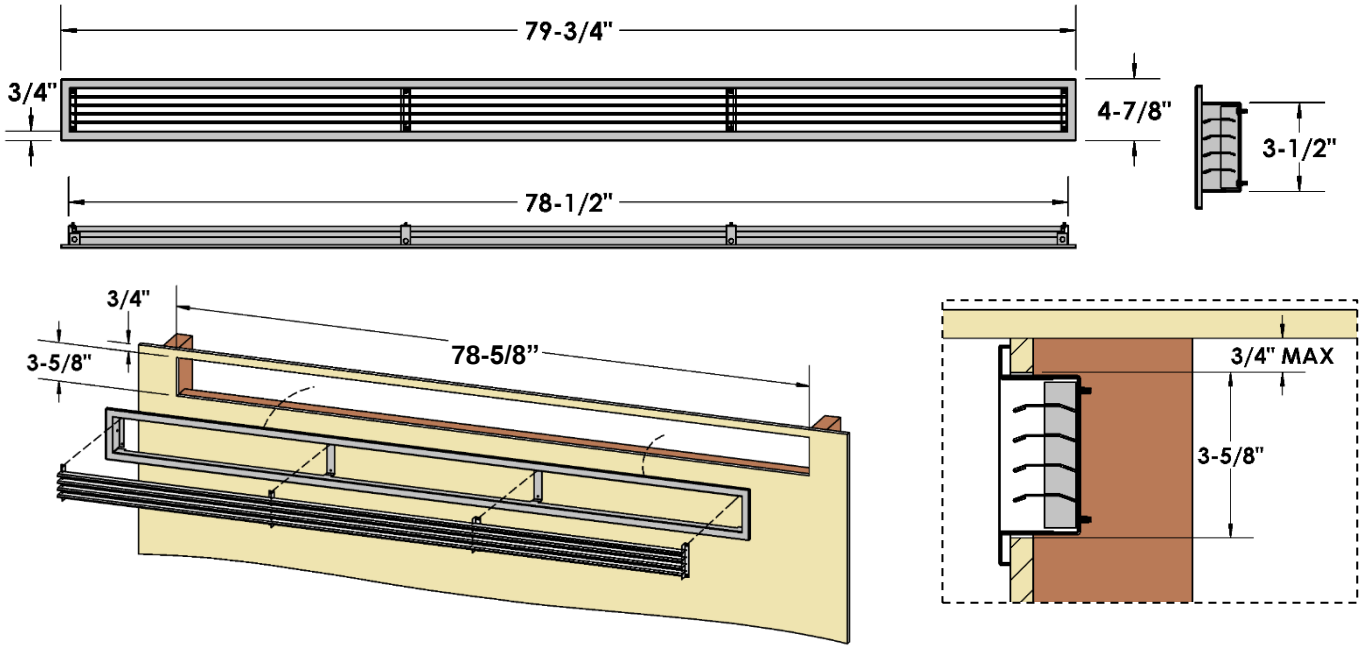
STEP 4: Install the Outer Vent Plates as shown in a vertical position.

See Vented Chase Framing Section after conversion is complete.

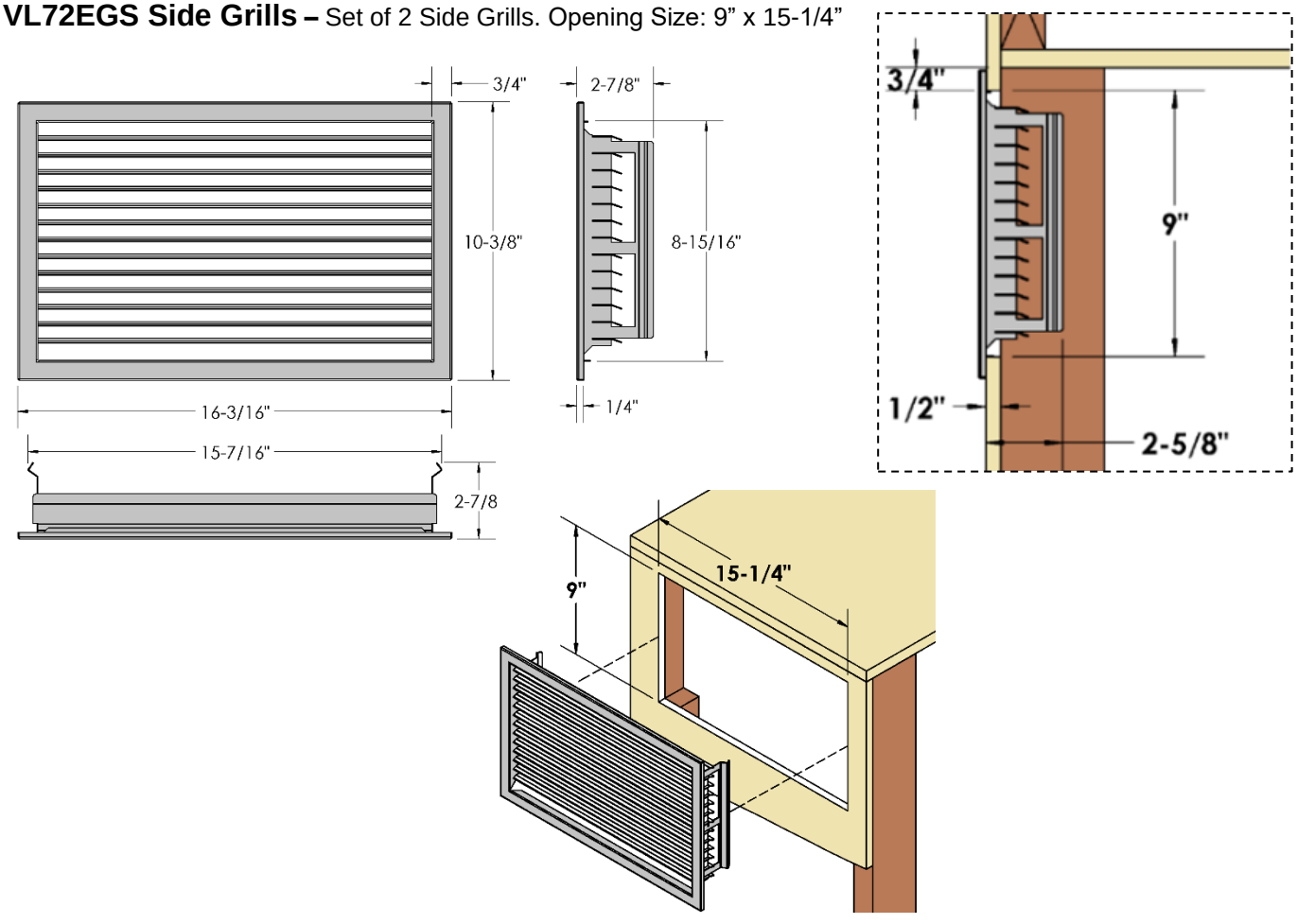
Approved Kingsman Grill Options for ZCVRB72 Vented Chase Installations - VL72EG Front Grill and VL72EGS Side Grills –

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

VL72EG Front Grill – Opening size: 3-5/8" x 78-5/8"



VL72EGS Side Grills – Set of 2 Side Grills. Opening Size: 9" x 15-1/4"



ZCVRB72 -Framing Dimensions –Vented Chase - VL72EG Grill – Ventilation Plates Must Be Converted to Vertical Position

Determine whether face of fireplace will be:

- Flush with finished wall (e.g., for surround, cultured stone, or other covering).
- Flush with framing (for a Flat Wall appearance).

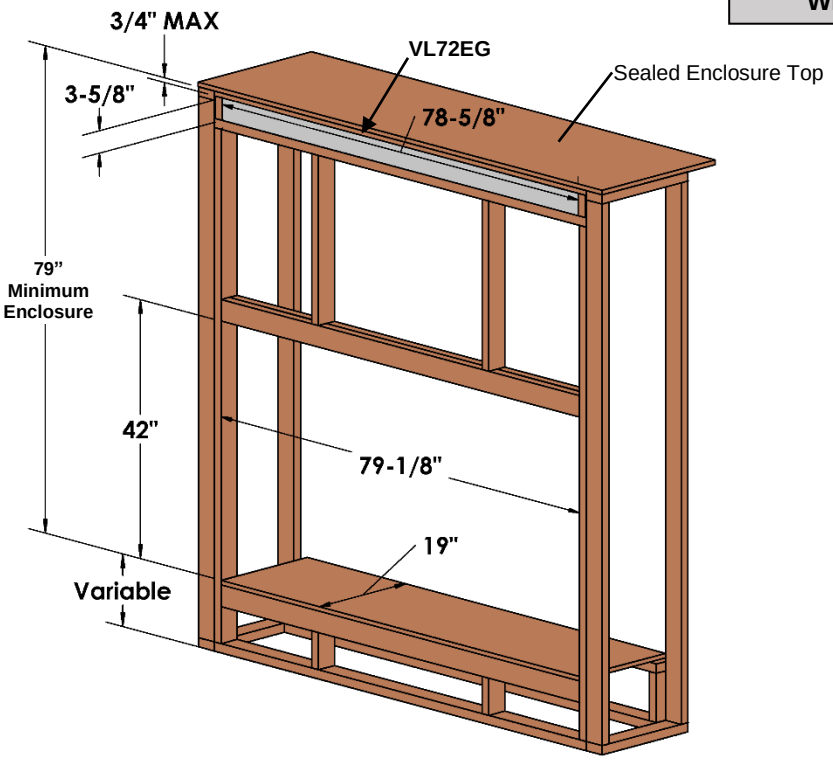
Refer to Nailing Tab Guide section also.

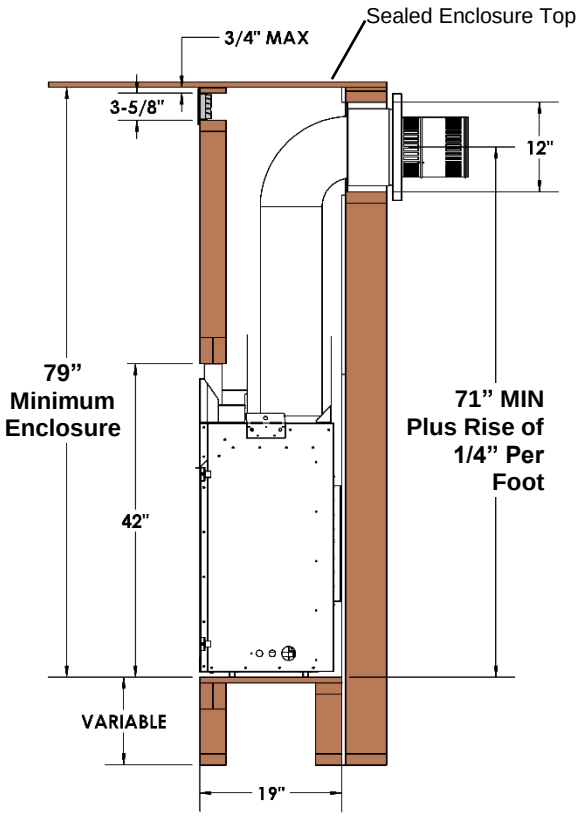
These structures are not load-bearing.

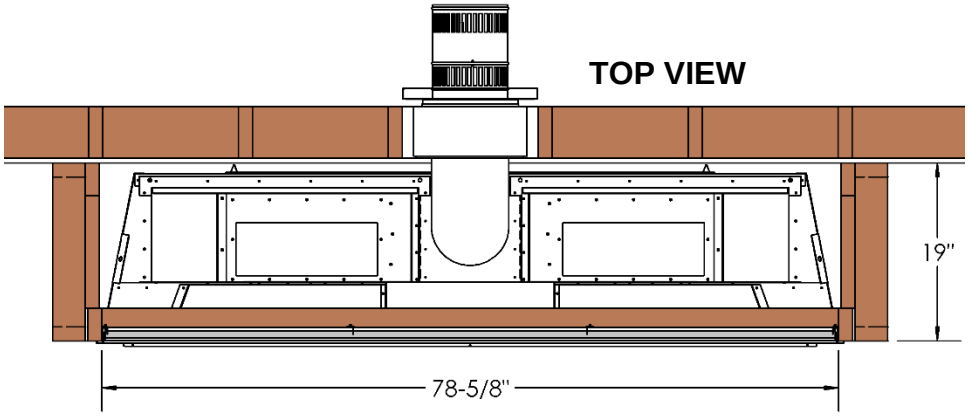
For VL72EG Grill: 78-5/8" x 3-5/8" Opening must be within 3/4" of Sealed Enclosure Top.

HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING. Heat must exit through the required vented chase opening near the ceiling. If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation. Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES DIRECTLY ABOVE THE APPLIANCE.

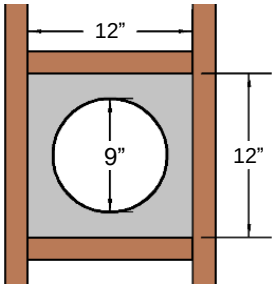






Vertical Venting MUST maintain 1" clearance to combustibles.

Framing for Vent Termination (See **Venting** Section)



ZCVRB72 -Framing Dimensions –Vented Chase - VL72EGS Side Grills – Ventilation Plates Must Be Converted to Vertical Position

Determine whether face of fireplace will be:

- Flush with finished wall (e.g., for surround, cultured stone, or other covering).
- Flush with framing (for a Flat Wall appearance).

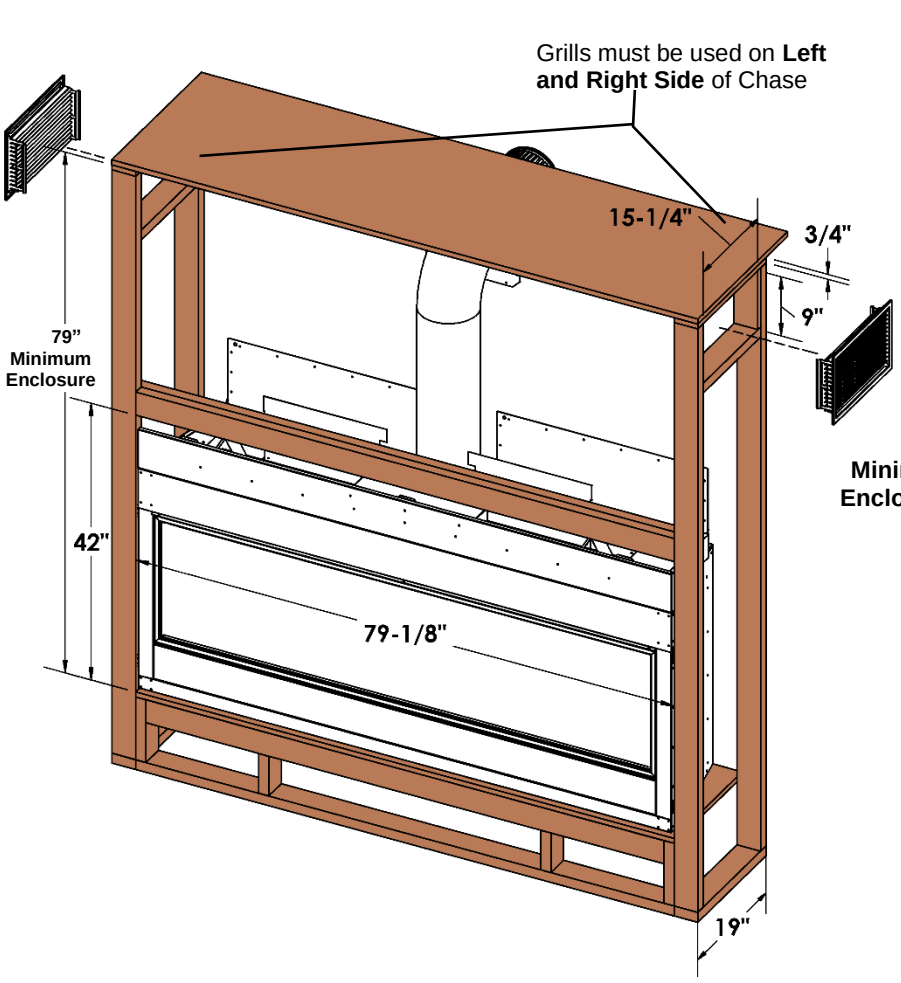
Refer to Nailing Tab Guide section also.

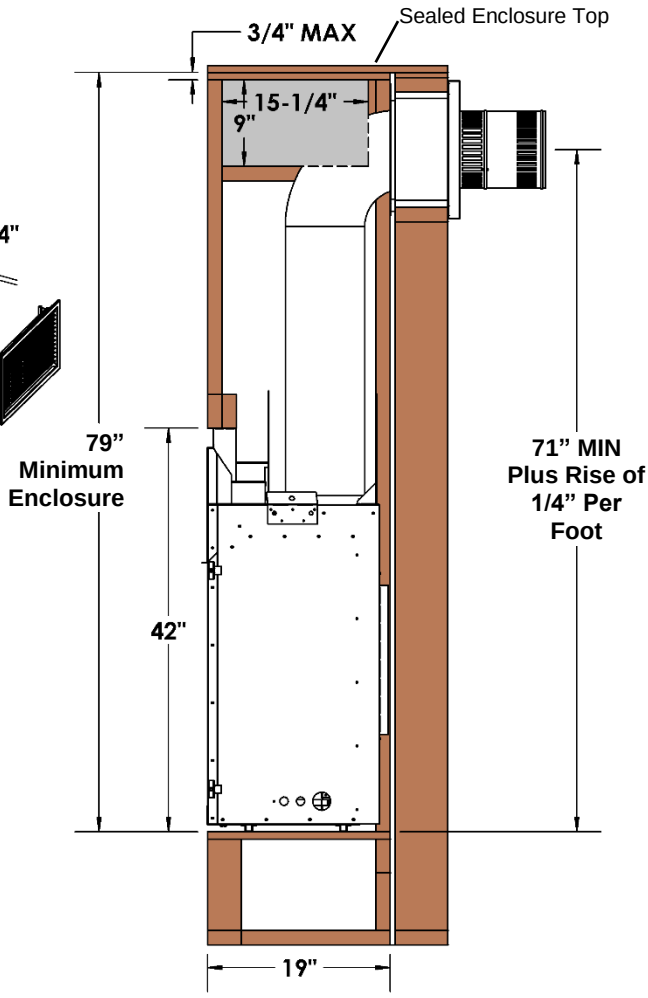
These structures are not load-bearing.

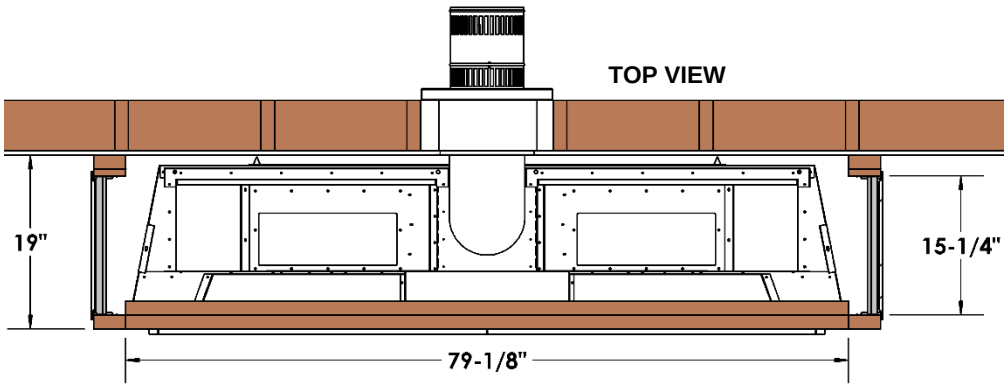
For VL72EGS Grills: [2] 9" x 15-1/4" Openings must be within 3/4" of Sealed Enclosure Top.

HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING. Heat must exit through the required vented chase opening near the ceiling. If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation. Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES DIRECTLY ABOVE THE APPLIANCE.

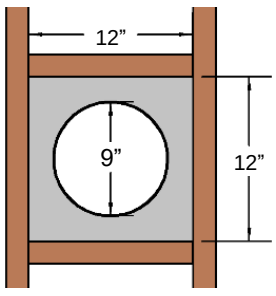






Vertical Venting MUST maintain 1" clearance to combustibles.

Framing for Vent Termination (See **Venting** Section)



ZCVRB72 -Framing Dimensions –Vented Chase – Open Top – Ventilation Plates Must Be Converted to Vertical Position

Determine whether face of fireplace will be:

- Flush with finished wall (e.g., for surround, cultured stone, or other covering).
- Flush with framing (for a Flat Wall appearance).

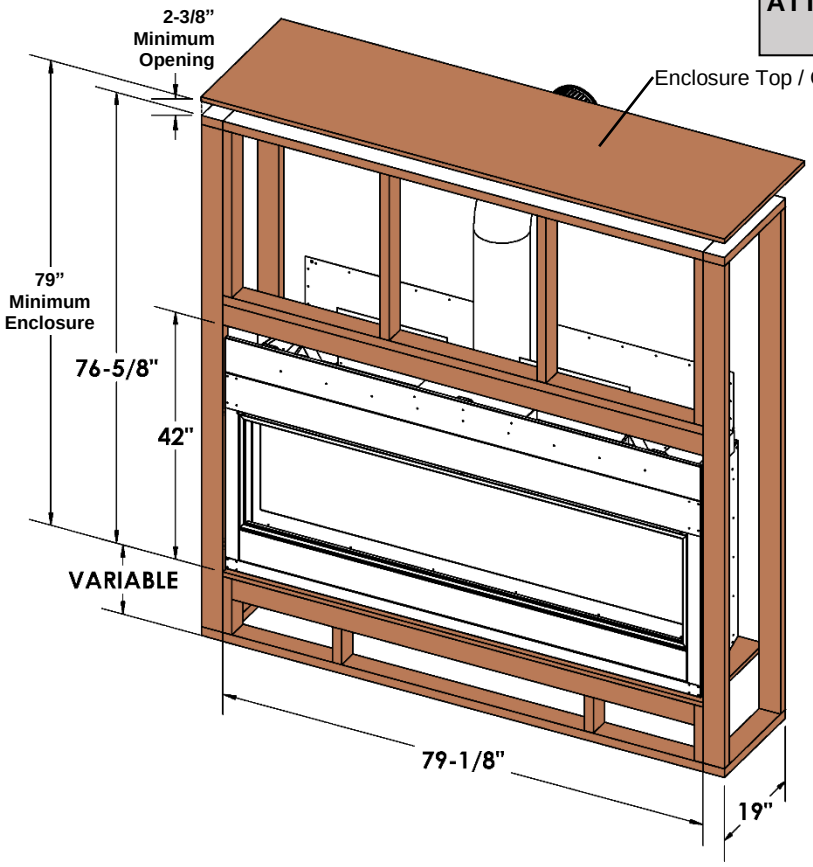
Refer to Nailing Tab Guide section also.

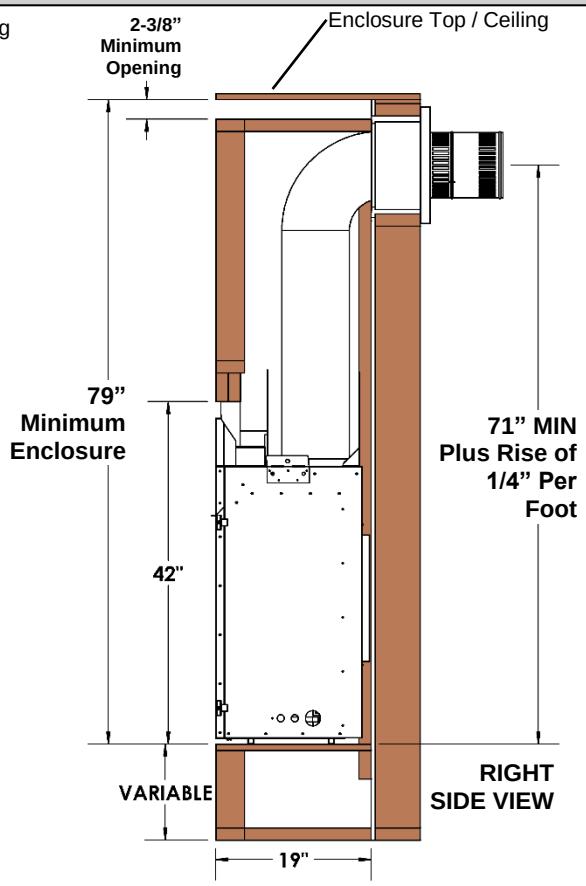
These structures are not load-bearing.

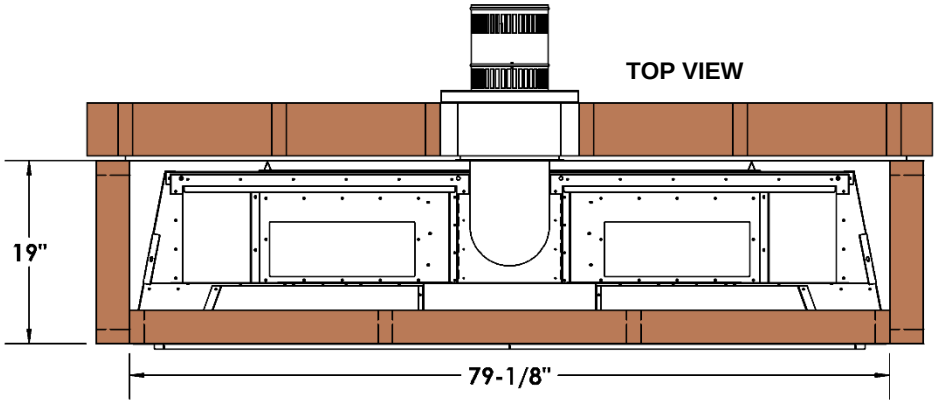
2-3/8" Opening must be on 3 sides of the top of the fireplace chase. MIN 285 Square inches

HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING. Heat must exit through the required vented chase opening near the ceiling. If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation. Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES DIRECTLY ABOVE THE APPLIANCE.

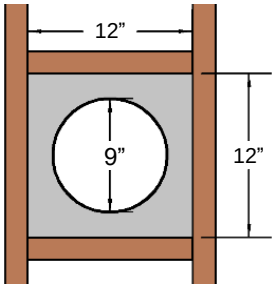






Vertical Venting MUST maintain 1" clearance to combustibles.

Framing for Vent Termination (See **Venting** Section)



ZCVRB72 – Vented Chase - Optional Recessed Cavity Dimensions
Ventilation Plates Must Be Converted to Vertical Position

- VL72EG Front Grill or 2-3/8” Open Chase Framing may be used.
- **<u>Do Not use VL72EGS Side Grills for Recessed Cavity Framing.</u>**
- Television should be minimum 1” away from opening of Vented Chase.
- Combustible over face of appliance is allowed.

HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING. Heat must exit through the required vented chase opening near the ceiling.

If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation.

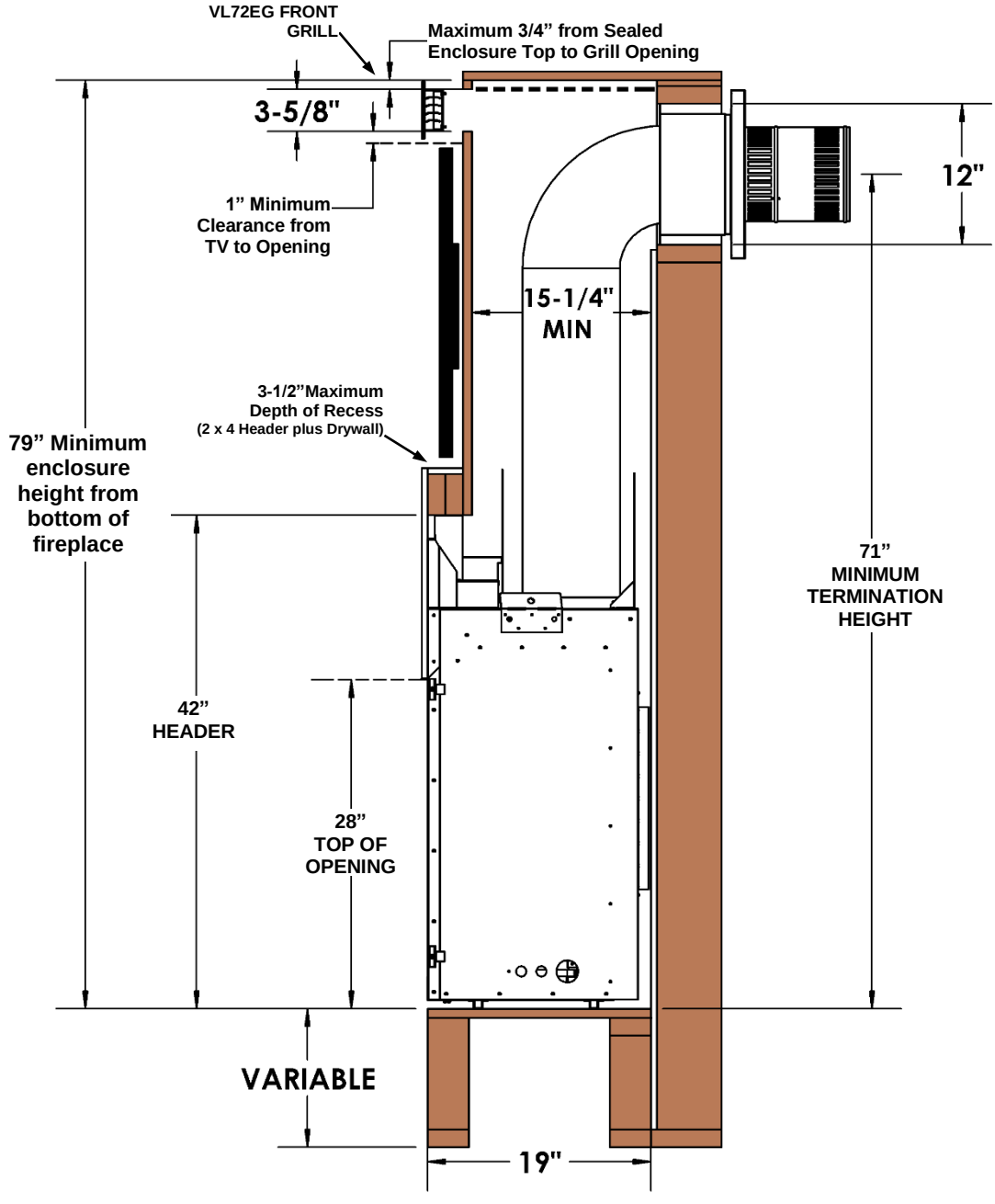
Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

<u>Notice:</u> Granite, tile, or other facing materials are not covered by the fireplace warranty. Natural stone, tile, and other facing materials may crack or discolor (i.e. yellowing of lighter colored materials).

NOTE: THESE ISSUES CAN BE AVOIDED IF THE CHASE IS VENTED.

Televisions are not covered by fireplace warranty.

Vented Enclosure - Materials covering the front of the fireplace may be combustible.



ZCVRB72 -Mantel Clearances –Vented Chase
Ventilation Plates Must Be Converted to Vertical Position

Before installing any mantels, it is important to determine the combustibility of its material(s). There are two types of mantels to consider: Combustible and Non-Combustible.

A **Combustible Mantel** is one that consists of material(s) that may discolor, combust, or lose its integrity in the presence of heat. These types of mantels must strictly conform to the dimensional requirements shown.

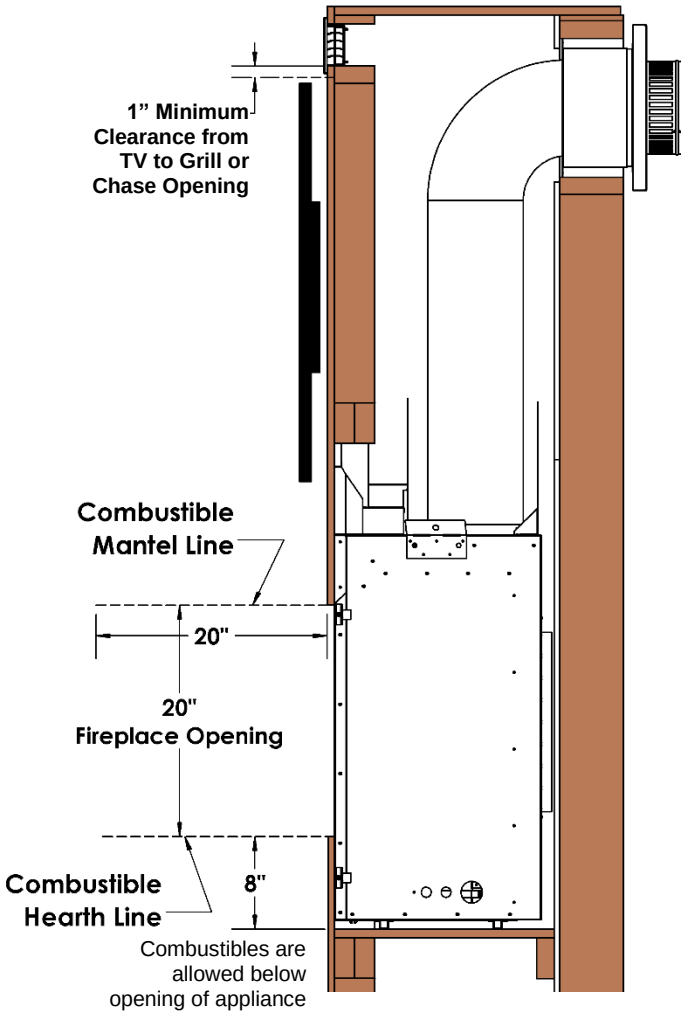
Conversely, a **Non-Combustible Mantel** is one that is constructed with material(s) that will not combust. Check your local codes and regulations to determine whether your mantel is Combustible or Non-Combustible.

The advantage to Non-Combustible Mantels is that it may extend right up to the tile lip of the fireplace. Combustible mantels must adhere to the dimensional restrictions shown.

⚠ **-Combustible Objects on Non- Combustible Mantel -Warning-**

Combustible objects must not be placed on a Non-combustible Mantel unless the mantel meets the dimensional requirements for a Combustible Mantel. Determine whether your mantel conforms to the requirements of a Combustible Mantel.

VENTED CHASE: COMBUSTIBLE OVER FACE OF APPLIANCE IS ALLOWED.

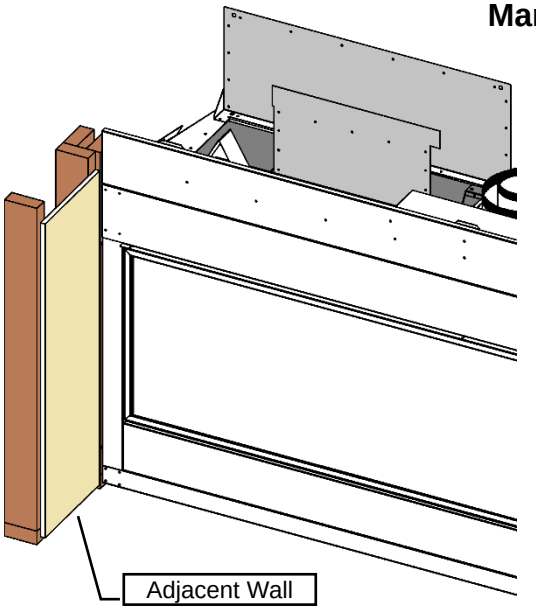


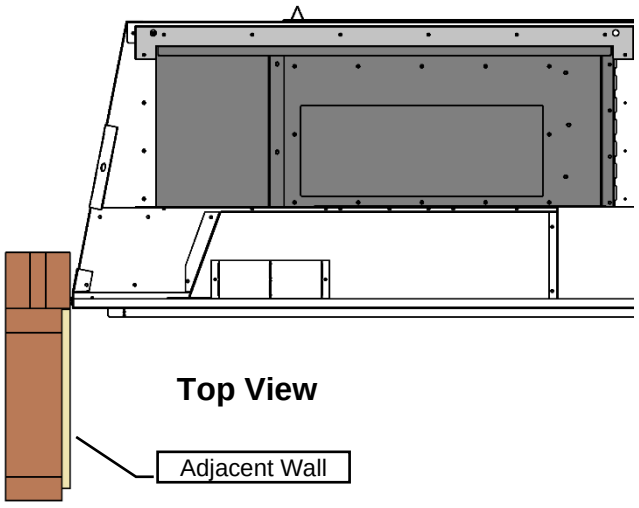
⚠ **NOTE:** If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation.

Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

⚠ **NOTE: HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING.** Heat must exit through the required vented chase opening near the ceiling.

Mantel Leg Clearances





ZCVRB72 -Clearance to Combustibles –Vented Chase
Ventilation Plates Must be Converted to Vertical Position

Clearance to Combustibles ZCVRB72 Vented Chase	
Front	36” [92cm]
Back (from Stand-offs)	0” [0cm]
Side (from Stand-offs)	0” [0cm]
Floor	0” [0cm]
Minimum Ceiling Height (from bottom of fireplace)	79” [201cm]
Top (from Stand-offs)	0” [0cm]
Top of 90° Bend in minimum Enclosure of 79”	4” [10.2cm]
Top of 90° Bend in Enclosure over 79”	4” [10.2cm]
VENTING SYSTEMS	
Top of Horizontal Pipe	2” [5cm]
Side & Bottom of Horizontal Pipe	1” [2.5cm] All Vent Systems
Vertical Vent Pipe	1” [2.5cm] All Vent Systems
Vented Enclosure: Materials covering the face of the fireplace may be combustible.	

ELECTRICAL WIRES IN CHASE MUST BE PROPERLY ATTACHED TO INSIDE WALL OF CHASE. DO NOT RUN WIRES DIRECTLY ABOVE THE APPLIANCE.

⚠ **NOTE:** If using insulation in vented chase (i.e. for outside wall), wall board / drywall is required to support all insulation.

Vented chase must be clean and free of all debris (i.e. loose insulation, pieces of wood, etc.).

⚠ **NOTE: HEAT CANNOT BE DISCHARGED INTO THE WALLS, FLOOR, OR CEILING.** Heat must exit through the required vented chase opening near the ceiling.