MUST READ BEFORE FRAMING

IMPORTANT INFORMATION

EST. 2004

ontario hearth ltd.

Regency City Series San Francisco Bay 72

CB72EPV-NG / CB72EPV-LP

FRAMING

DIMENSIONS

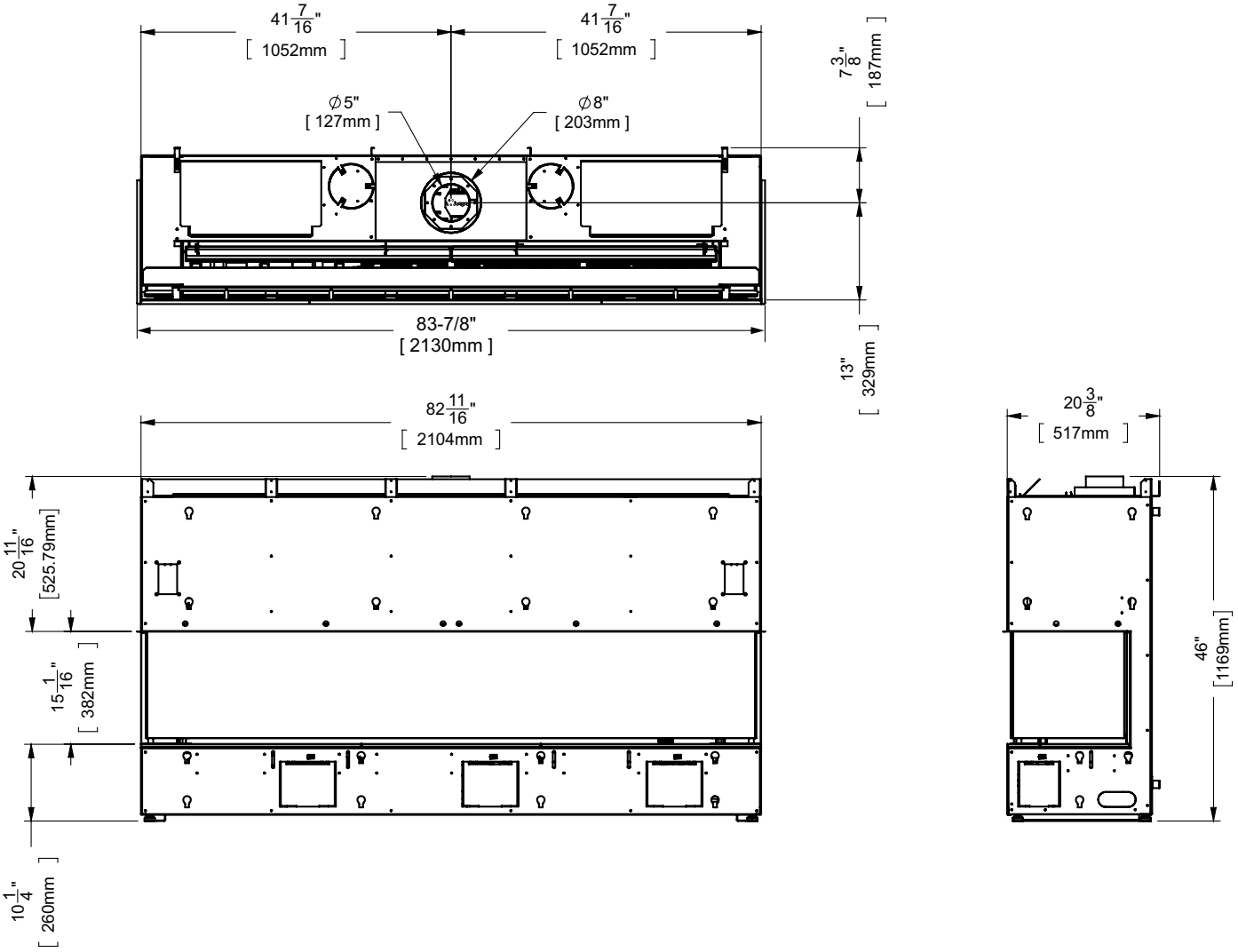
SPECIFICATIONS

HEAT RELEASE REQUIREMENTS

QR LINK FOR
PDF DIGITAL COPY
OF SPECIFICATIONS:

dimensions

Dimensions - Bay Install



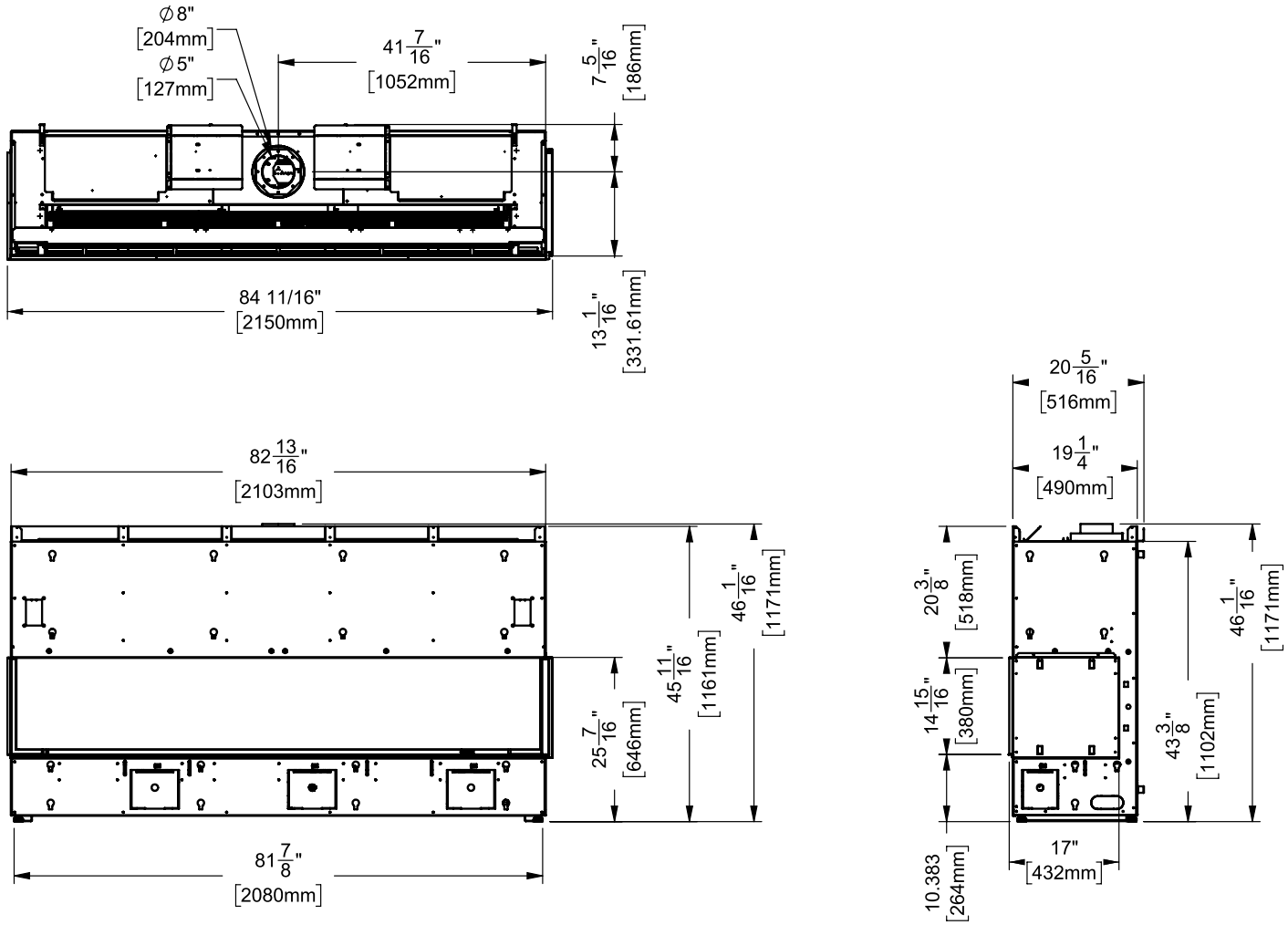
Note: Height Dimension is taken with leveling legs fully inserted and may vary depending on the height of the leveling legs, when unscrewed or extended.

Dimensions will appear as (inches)" / (metric) mm throughout this manual. The inches are rounded to the nearest 1/16" when converted, when greater accuracy is required, use the metric dimensions.

Note: These units are non-load bearing.

ALL PICTURES / DIAGRAMS SHOWN THROUGHOUT THIS MANUAL ARE FOR ILLUSTRATION PURPOSES ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENTS.

Dimensions - Corner Install



Note: Height Dimension is taken with leveling legs fully inserted and may vary depending on the height of the leveling legs, when unscrewed or extended.

Dimensions will appear as (inches)" / (metric) mm throughout this manual. The inches are rounded to the nearest 1/16" when converted, when greater accuracy is required, use the metric dimensions.

Note: These units are non-load bearing.

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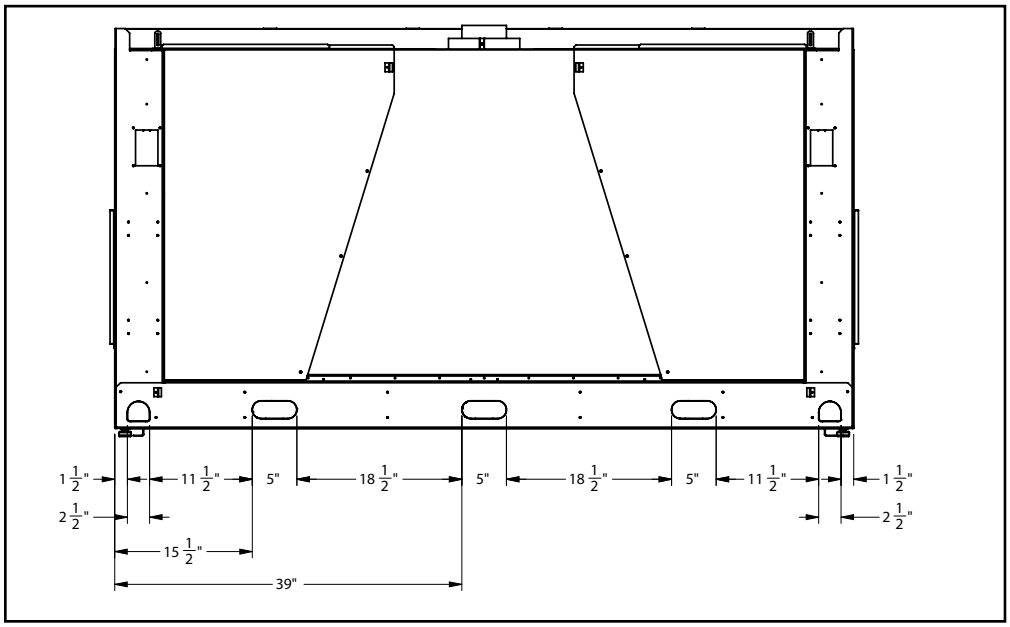
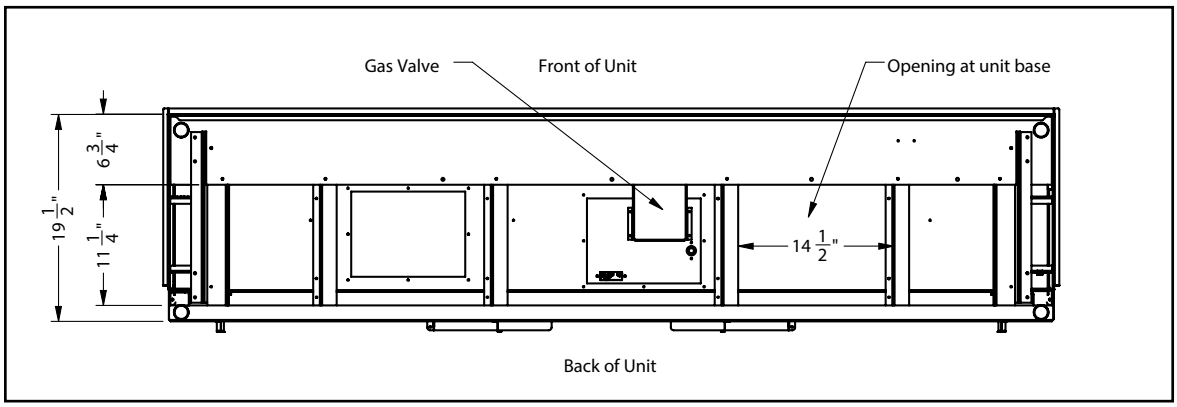
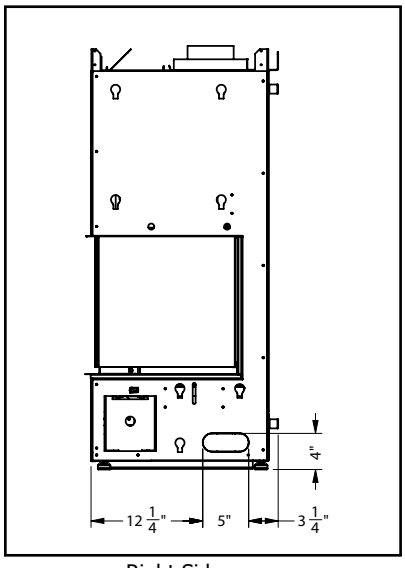
Gas Connection - Back of Unit



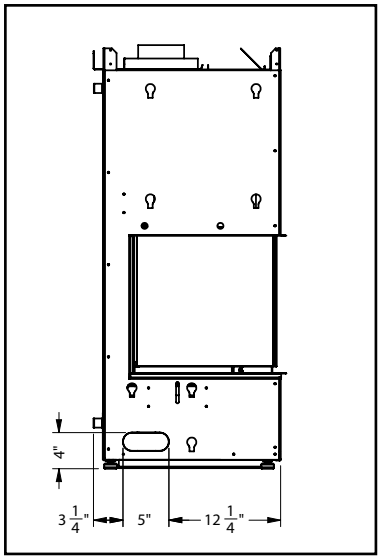
Gas Connection - Bottom of Unit



Gas Connection - Side of Unit

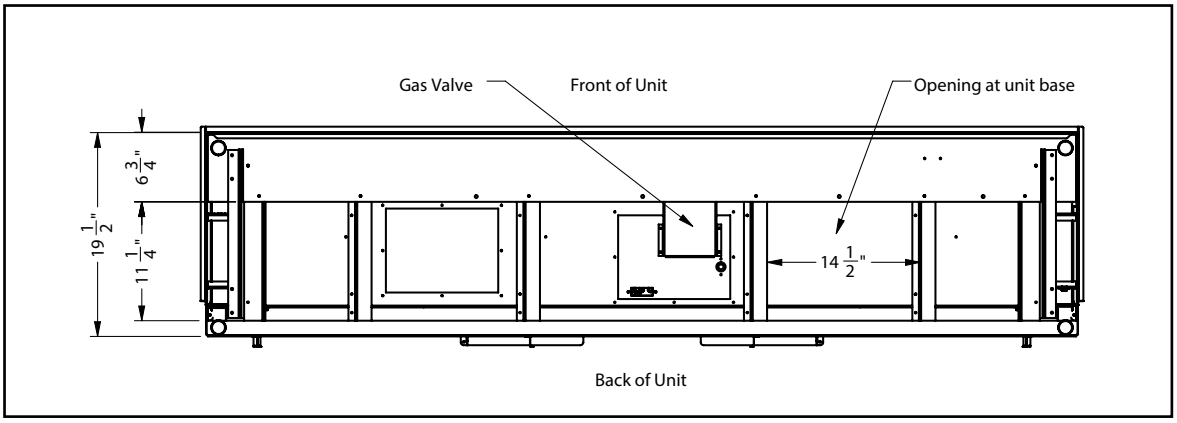


Right Side

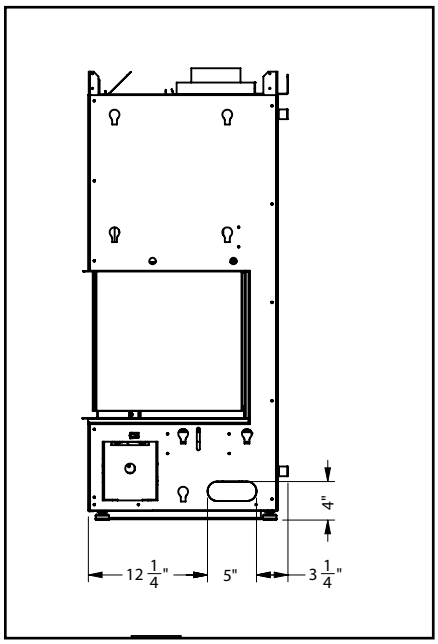


Left Side

Electrical Connection - Bottom of Unit



Electrical Connection - Side of Unit



Ventilation Openings (Three-sided/Bay Installation)

NOTE
- For right/left two-sided corner, see next page.

Regency's patented Cool Wall system releases warmth at ceiling level. This system reduces excessive radiant heat in front of the fireplace so you can enjoy your fireplace more often.

- Design your own chase vent solution to suit your home
- Use optional front or left & right side chase vent grills
- Release warmth into the room discreetly

Ventilation Opening Locations

The following are examples of how the ventilation openings may be placed above the fireplace.

The air travelling through the heat exchanger is heated by the fireplace and then directed out the back of the fireplace. The combined warmed air is then vented back into the room.

If using the optional heat wave kit, this does not reduce the size of the ventilation opening. The ventilation opening(s) must be a minimum 288 square inches regardless.

Front Exit

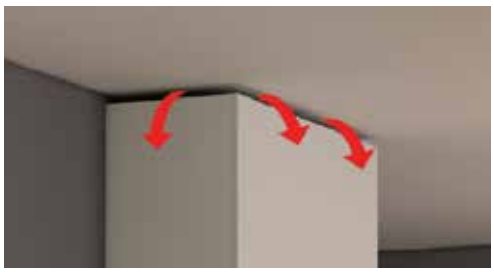
The ventilation opening may be placed in front ensuring it meets the 288 square inch opening & is located 0-2" (51mm) from the enclosure ceiling.

SIde Exit (Left/Right)

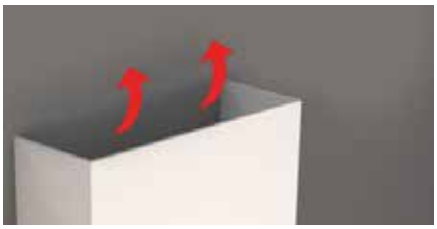
Ventilation openings, when placed on both sides, must be of the same size. They must be have an equal split (50/50) free air opening to balance air flow. A ventilation opening may never be on one side only.
The ventilation openings cannot be any smaller than 6" (152mm) wide to equal the total area of 288 square inches of free open area.
Example: 6" (152mm) wide x 24" (610mm) High = 144 square inches per side of free open area. A second ventilation grill is installed on the other side to =100%.
The ventilation openings must be located 0-2" (51mm) from the enclosure ceiling.

Top Exit

The ventilation opening may be short of the ceiling as shown below. Minimum opening height must be 2-1/2" (64mm) measured from top of enclosure to the ceiling and must be in open in front and both sides to meet the minimum 288 square inches free open air requirement.



The ventilation opening may be fully open at the top of the enclosure. This type of ventilation opening would be used when the top of the enclosure is not visible from above and where the ceiling within the room is higher than normal. When creating this type of ventilation opening, measures should be into place to avoid having objects of any type falling or be thrown into the ventilation opening. Mesh screen or other preventative measures should be put into place.



The ventilation opening may be placed on top ensuring it meets the 288 square inch opening. This type of ventilation opening would be used when the top of the enclosure is visible from above and where the ceiling within the room is higher than normal.

Ventilation Openings (Right/Left Corner)

Regency's patented Cool Wall system releases warmth at ceiling level. This system reduces excessive radiant heat in front of the fireplace so you can enjoy your fireplace more often.

- Design your own chase vent solution to suit your home
- Use optional front or left & right side chase vent grills
- Release warmth into the room discreetly

Ventilation Opening Locations

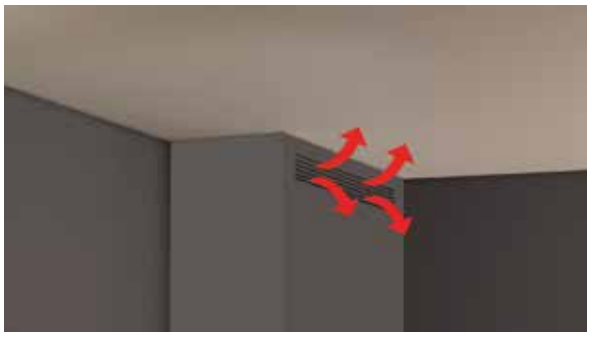
The following are examples of how the ventilation openings may be placed above the fireplace.

The air travelling through the heat exchanger is heated by the fireplace and then directed out the back of the fireplace. The combined warmed air is then vented back into the room.

If using the optional heat wave kit, this does not reduce the size of the ventilation opening. The ventilation opening(s) must be a minimum 288 square inches regardless.

Front Exit

The ventilation opening may be placed in front ensuring it meets the 288 square inch opening & is located 0-2" (51 mm) from the enclosure ceiling.



Side/Front Exit

Ventilation openings, when placed on the side, must also have the same size ventilation opening in front. They must be have an equal split (50/50) free air opening to balance air flow. A ventilation opening may never be on one side only.

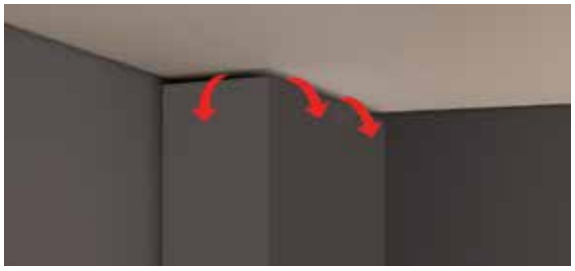
The side ventilation opening cannot be any smaller than 6" (152mm) wide to equal the total area of 288 square inches of free open area.

Example: 6" (152mm) wide x 24" (610mm) High = 144 square inches of free open area. A second ventilation grill is installed in front to =100%.

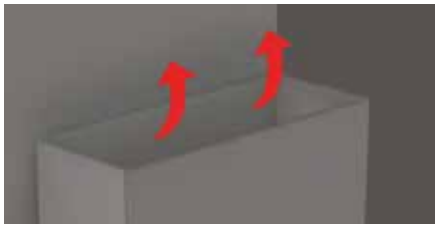
The ventilation openings must be located 0-2" (51 mm) from the enclosure ceiling.

Top Exit

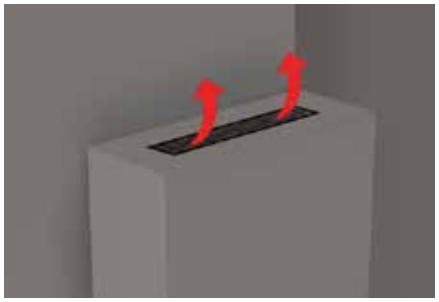
The ventilation opening may be short of the ceiling as shown below. Minimum width/depth of chase x height measured from top of enclosure to the ceiling and must be in open in front and side to meet the minimum 288 square inches free open air requirement.



The ventilation opening may be fully open at the top of the enclosure. This type of ventilation opening would be used when the top of the enclosure is not visible from above and where the ceiling within the room is higher than normal. When creating this type of ventilation opening, measures should be into place to avoid having objects of any type falling or be thrown into the ventilation opening. Mesh screen or other preventative measures should be put into place.



The ventilation opening may be placed on top ensuring it meets the 288 square inch opening. This type of ventilation opening would be used when the top of the enclosure is visible from above and where the ceiling within the room is higher than normal.



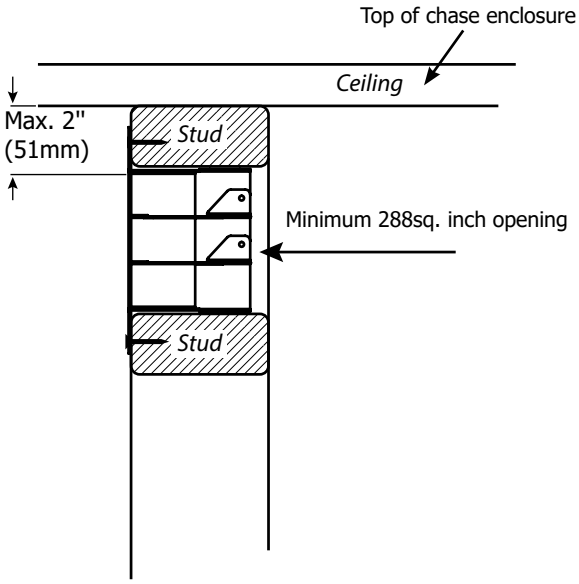
Chase Enclosure

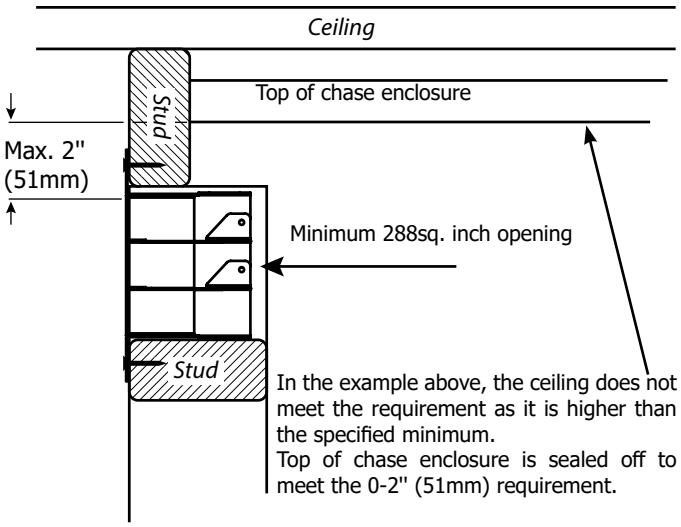
When choosing to install the ventilation openings from the front or both sides, The top of the ventilation opening cannot be any lower than 0-2" (51mm) from the top of the chase enclosure for all installations.
Minimum height of enclosure from base of appliance is 87" (2210mm).
A minimum 288in^2 opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including the examples shown in this manual.

IMPORTANT:
Exterior wall/Alcove enclosure: When installing into an exterior cavity or alcove enclosure (ceiling, back and sides), regardless of where appliance is placed within the home, requires the use of either drywall or other means such as plywood, wood studs, etc. to prevent heat from escaping anywhere above /through the enclosure other than the required grill / ventilation opening.
Internal chase: When installing as an internal chase framing installation ,regardless of where appliance is placed within the home, requires the use of either drywall or other means such as plywood, on the rear wall of the chase to eliminate heat escaping into the rear wall cavity. If the chase is extended to the ceiling ,the ceiling will also need to be finished in a manner to prevent heat escaping into floor joist/attic space.

One of the following methods must be used to prevent the heat from escaping.
a. If choosing drywall, ensure that the drywall is butt up tight with no gaps.
b. Plywood, wood studs, etc. installed tightly with no gaps.

As this appliance has been designed with all hot air escaping through the chase enclosure ventilation/grill openings only, if hot air is trapped as a result of the hot air escaping through joints, crevasses, open studs, or other openings within the enclosure above, this will change the clearances within the enclosure causing the enclosure to overheat. It is vital that all the hot air from within the enclosure exits through the ventilation openings only.
Ensure that the ventilation openings are made as such to prevent debris, objects from falling into the enclosure.
Warning: DO NOT cover or place objects in front of the ventilation opening air outlet(s).





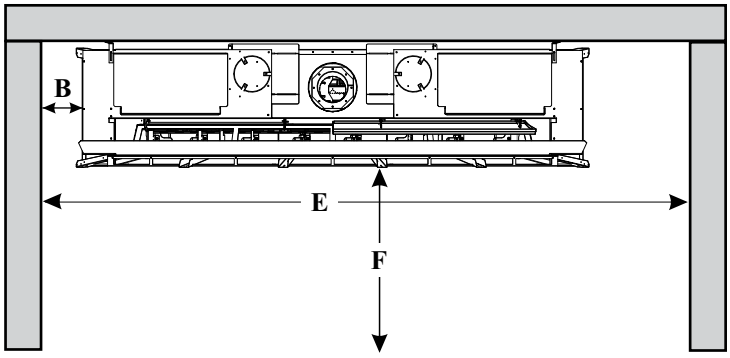
Clearances - Bay Install

The clearances listed below are minimum distances unless otherwise stated.
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

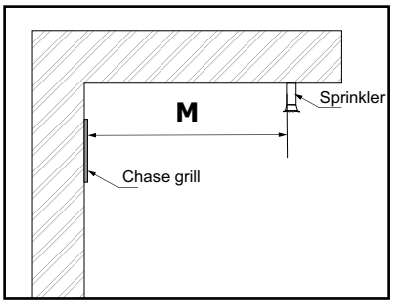
Clearance: single sided	Dimension	Measured From:
A1: Mantel Height (min.)	**	Top of Fireplace Opening
A: From Floor	min. 0"	Bottom of Fireplace Opening
B: Sidewall (on one side) Min.	8" (203mm)	Side of Fireplace Opening
C: Enclosure Width (min.)	82-11/16" (2100mm)	Minimum inside dimensions
D: Mantel Depth (max.)	**	
E: Alcove Width	120" (3048mm)	Sidewall to Sidewall (Minimum)
F: Alcove Depth	36" (914mm)	Front to Unit (Maximum)
G: Convection Air Outlet Opening Offset*	*0-2" (0-51mm)	Max. offset from top of chase enclosure
H: Convection Air Outlet	*288 square inches	
I Enclosure Depth (min.)	20-3/8" (517mm)	Minimum inside dimensions
J: Opening Height	15-1/16" (383mm)	Bottom/Top of Fireplace Opening
K: To Ceiling (Min.) all 3 sides	2-1/2" (64mm)	To Top of Ceiling
L: Chase Enclosure (Min.)	87" (2210mm)	From base of unit/floor to top of enclosure
M:Clearance to Sprinkler Head (Min.)	36" (914mm)	Perpendicular from chase grill
Hearth	0"	No hearth required

*Also see page 35 for alternate ventilation opening locations.
** See mantel clearances chart in this manual.

Flue Clearances to Combustibles	
Horizontal - Top	3"
Horizontal - Side	2"
Horizontal - Bottom	2"
Vertical	2"
Passing through wall/ floor/ceiling - when firestop is used.	1-1/2"
Note: This appliance uses 4" x 6-5/8" venting	



Alcove



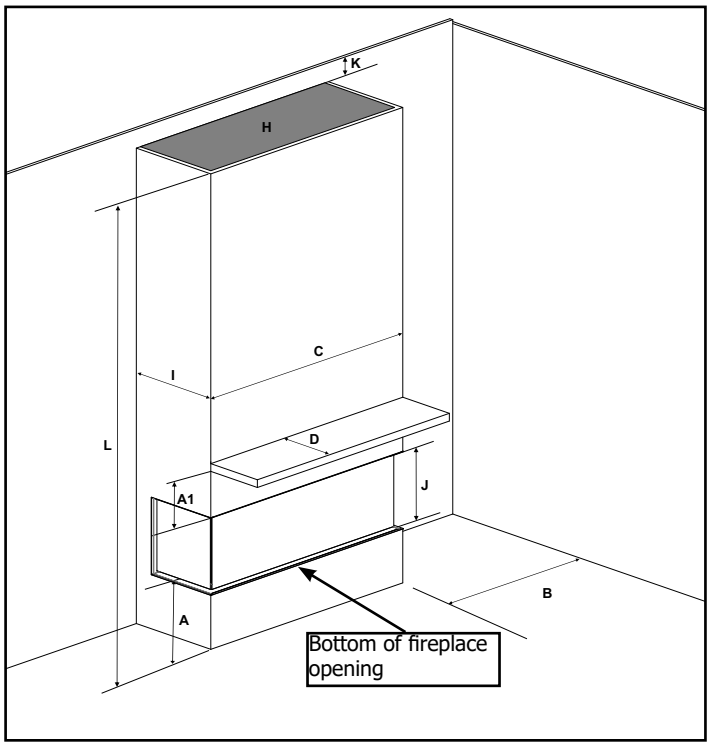
Side view

The ***HeatWave*** Duct Kit has different clearance and framing requirements, check the ***HeatWave*** manual for details.

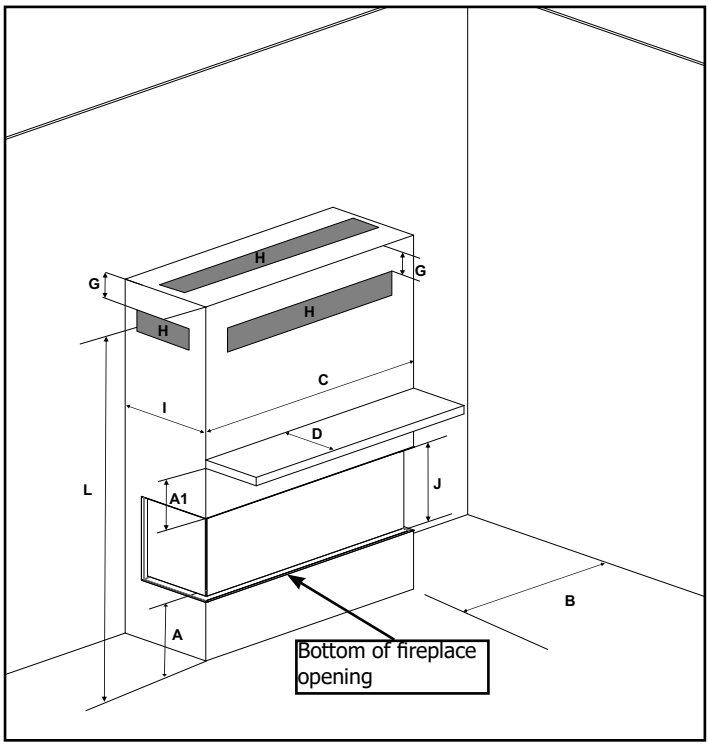
Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING
Fire hazard is an extreme risk
if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

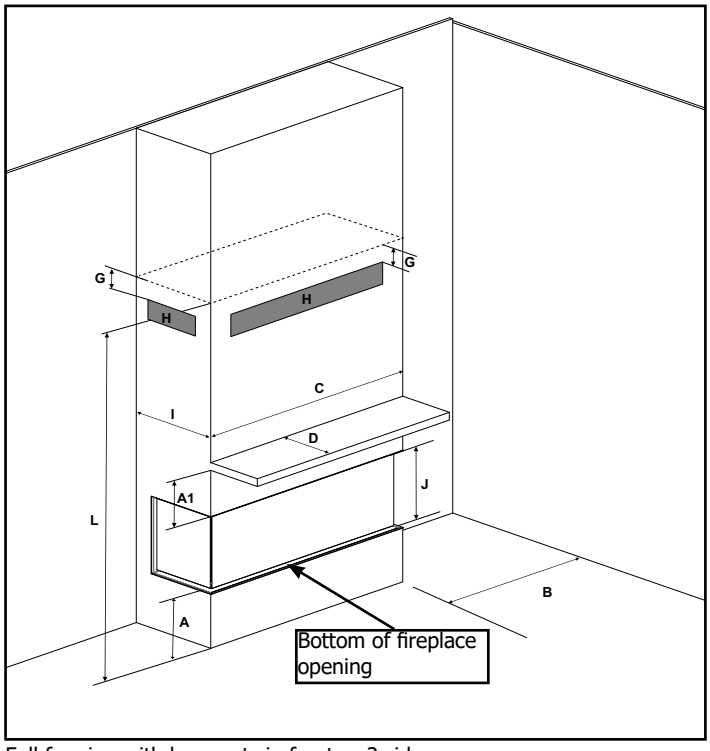
Clearances - Bay Install



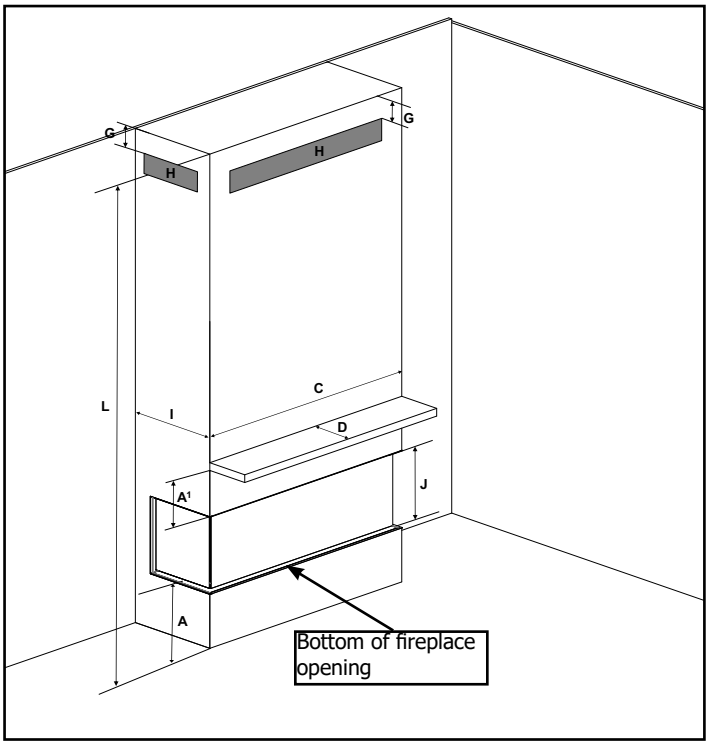
Floor to ceiling with top opening



Low framing with vents in front/2 sides or top



Full framing with low vents in front or 2 sides



Full framing with vents in front or 2 sides

Clearances - Corner Install

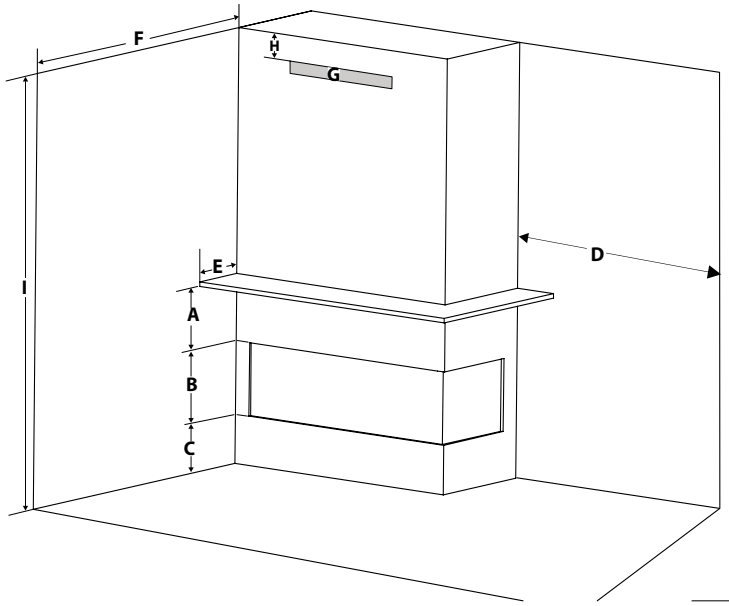
The clearances listed below are minimum distances unless otherwise stated.
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

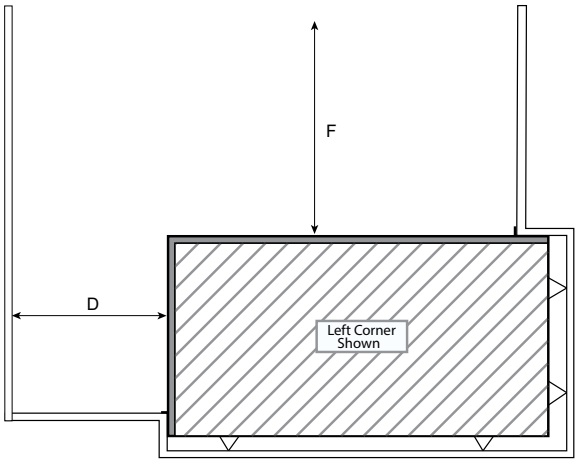
Note: Left handed corner shown in illustration. Clearances will be the same for the right hand side.

Clearance: single sided	Dimension	Measured From:
A: Mantel Height (min.)	**	Top of Fireplace Opening
B: Opening Height	15-1/16" (383mm)	Bottom/Top of Fireplace Opening
C: From Floor	Min. 0"	Bottom of Fireplace Opening
D: Sidewall (on one side)	Min. 26" (660mm)	Side of Fireplace Opening
E: Mantel Depth (Max.)	**	Front of Fireplace Opening
F: Alcove Depth	Min. 36" (914mm)	Front of Fireplace Opening
G: Convection Air Outlet*	288 square inches	
H: Convection Air Outlet Opening Offset	0-2" (51mm)	Max. offset from top of chase enclosure
I: Chase Enclosure (Min.)	87" (2210mm)	From Base of Unit/Floor to top of enclosure
Hearth	0"	No hearth required

*Also see page 36 for alternate ventilation opening locations.
** See mantel clearances chart in this manual.

Flue Clearances to Combustibles	
Horizontal - Top	3"
Horizontal - Side	2"
Horizontal - Bottom	2"
Vertical	2"
Passing through wall/ floor/ceiling - when firestop is used.	1-1/2"





Top View Alcove

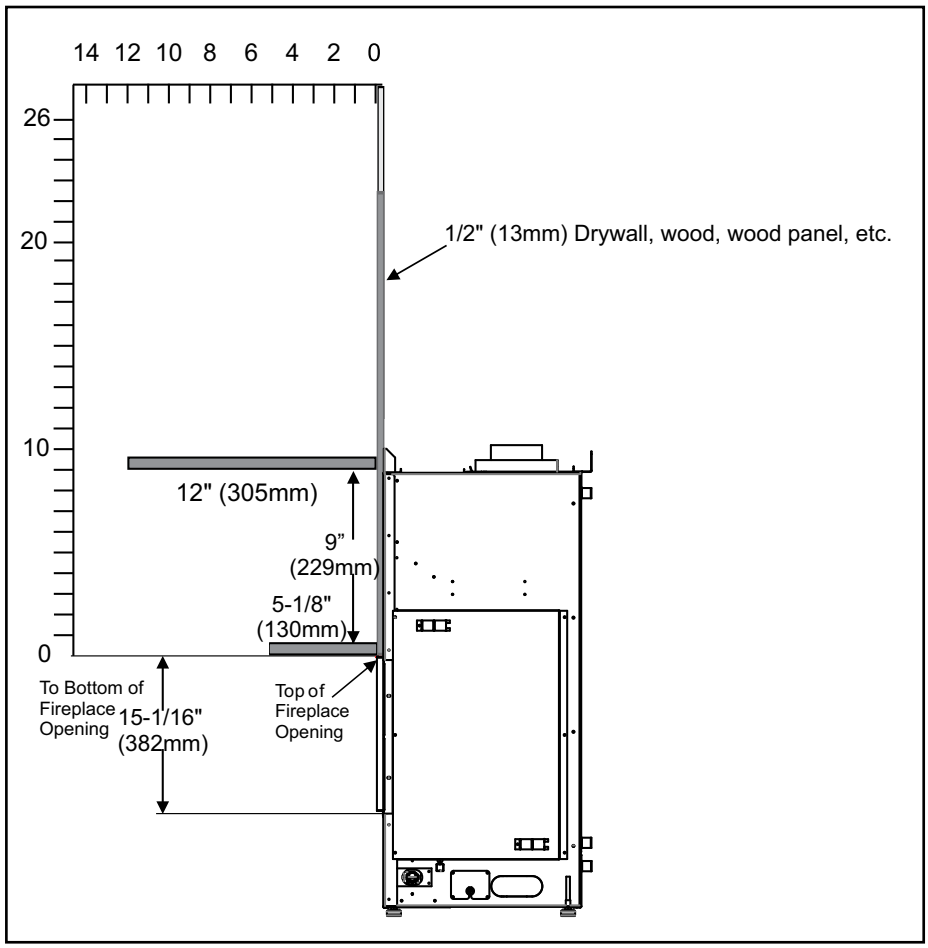
The ***HeatWave*** Duct Kit has different clearance and framing requirements, check the ***HeatWave*** manual for details.

Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING
Fire hazard is an extreme risk
if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

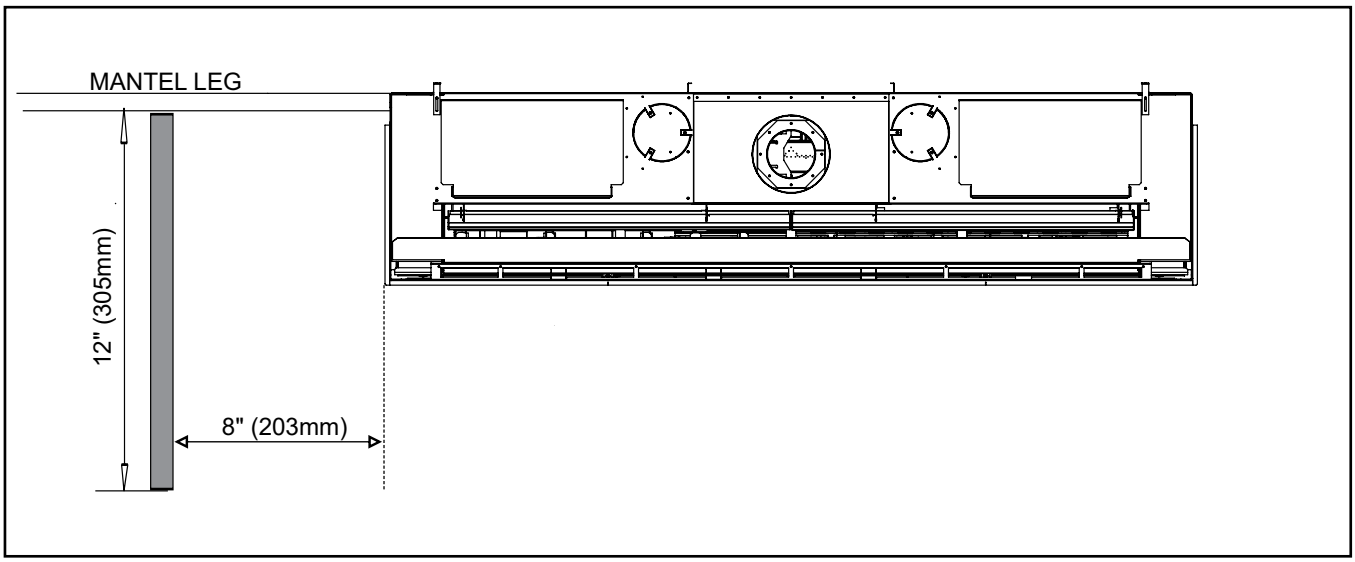
Mantel Clearances

Combustible mantel clearances from top of front facing are shown in the diagram on the right.



Mantel Leg Clearances

Combustible mantel leg clearances as per diagram:



Framing Dimensions - Bay Install

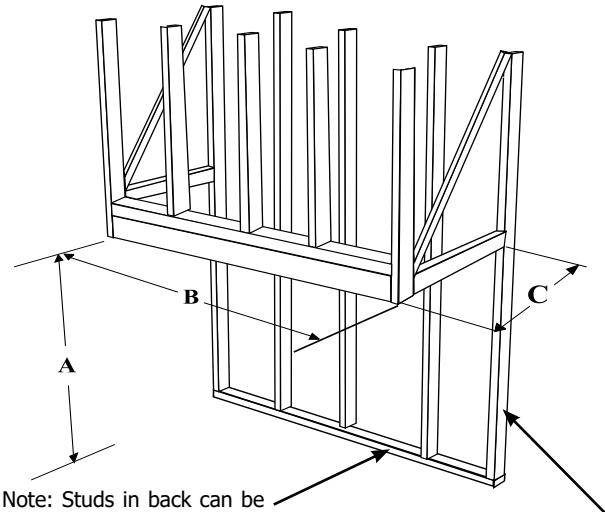
NOTE: Framing may be constructed of combustible material (ie. 2 x 4) and does not require steel studs.

Framing Dimensions	Description	CB72EPV
A	Framing Height	51" (1295mm)
B	Framing Width	82-11/16" (2100mm)
C*	Framing Depth	20-5/8" (524mm)
D	Minimum Height to Combustibles	87"(2210mm)
G***	Vent Centerline Height (Flex)	55-1/4" (1403mm)
G***	Vent Centerline Height (Rigid)	59-1/4" (1505mm)
**	Gas Connection Opening Height	See gas connection location in this manual
**	Gas Connection Height	See gas connection location in this manual
**	Gas Connection Inset-Centre Opening	See gas connection location in this manual

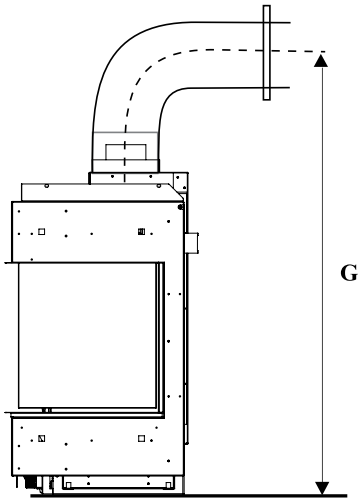
* Not shown in diagram below
** See manual for alternate Gas/ Electrical connection options
*** **Important:** Minimum overall vent run must be 4 feet. Even though centerline is 55 1/4 (flex) & 59 1/4" (rigid), if appliance is framed at minimum depth, the 4 feet of vent run could not be obtained. Center line will need to be increased in height in order to achieve a minimum vent run of 4 feet.

Ensure that the wood base that the appliance will sit on is strong enough to support the full weight of this appliance. The overall weight of this appliance is 582 pounds (shipping weight).

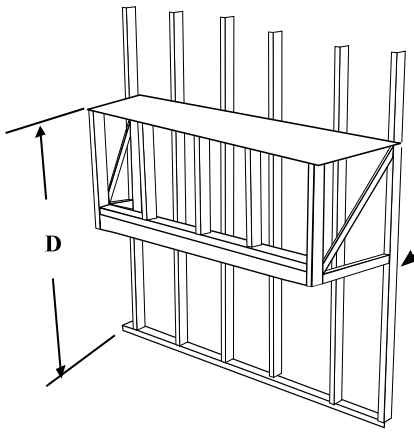
Note: A combined minimum of 288 square inches of open area is required for the convection air outlet to cool the enclosure. Ensure clearances for Convection Air Outlets are met. See clearances CB72EPV in this manual as there are different methods as to how this can be achieved.



Note: Studs in back can be either wood 2" x 4" or 2" x 6".



Note: This appliance must be installed on a solid surface such as a plywood floor which must be the full width and depth of the appliance.



Note: Unit must be installed onto a solid backwall - do not install directly onto studs.

***C**
Note : The framing depth does not take into account drywall/wood or similar materials against the back wall. The framing depth will need to change based on the thickness of the material (example: 20 5/8 framing depth + 1/2 drywall = 21 1/8")

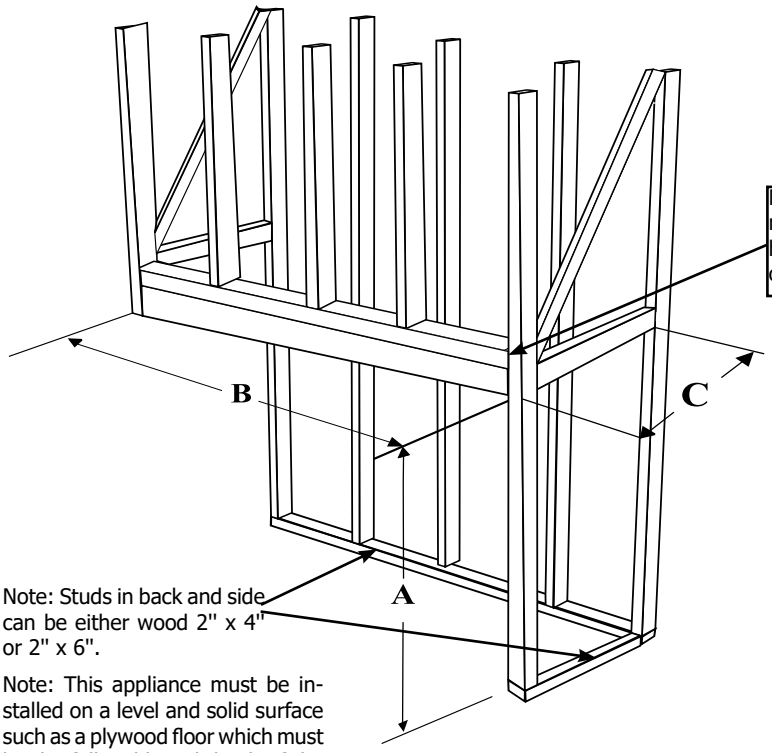
Framing Dimensions Corner Kit - Corner Install (Right Corner)

NOTE: Framing may be constructed of combustible material (ie. 2 x 4) and does not require steel studs.

Framing Dimensions	Description	Corner Kit
A	Framing Height	51" (1295mm)
B	Framing Width	84" (2134mm)
C	Framing Depth	20-5/8" (524mm)
D	Unit Base to Top Enclosure (Min.)	87"(2210mm)
G***	Vent Centerline Height (Flex)	55-1/4" (1403mm)
G***	Vent Centerline Height (Rigid)	59-1/4" (1505mm)
*** **Important:** Minimum overall vent run must be 4 feet. Even though centerline is 55 1/4" (flex) & 59 1/4" (rigid), if appliance is framed at minimum depth, the 4 feet of vent run could not be obtained. Center line will need to be increased in height in order to achieve a minimum vent run of 4 feet.		

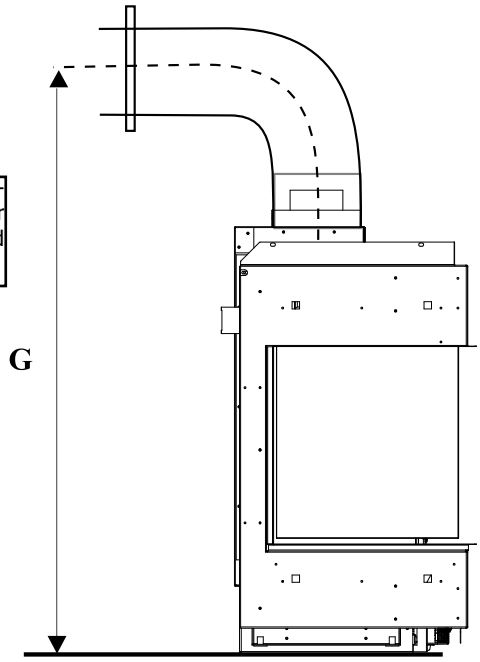
Note: A combined minimum of 288 square inches of open area is required for the convection air outlet to cool the enclosure.
Ensure clearances for Convection Air Outlets are met.
See clearances CB72EPV in this manual as there are different methods as to how this can be achieved.

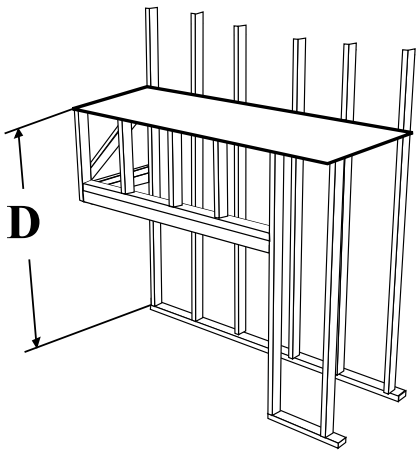
NOTE: Unit cannot be load-bearing. All finishing materials must be supported by the framing.



Note: Studs in back and side can be either wood 2" x 4" or 2" x 6".

Note: This appliance must be installed on a level and solid surface such as a plywood floor which must be the full width and depth of the appliance.





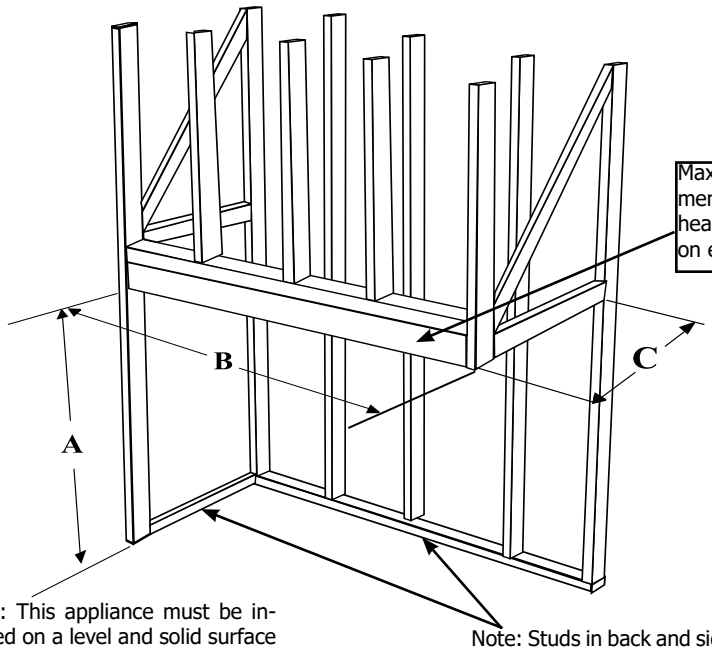
Framing Dimensions Corner Kit - Corner Install (Left Corner)

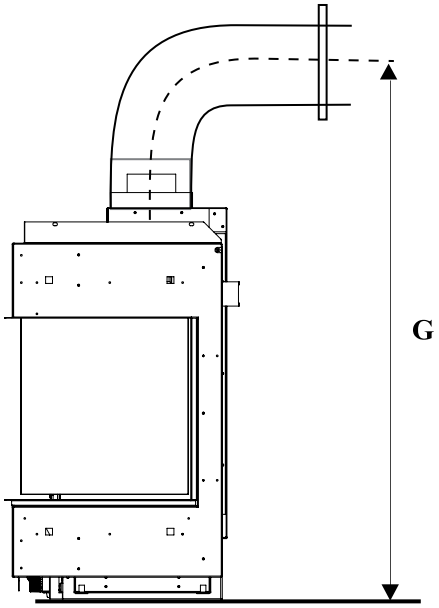
NOTE: Framing may be constructed of combustible material (ie. 2 x 4) and does not require steel studs.

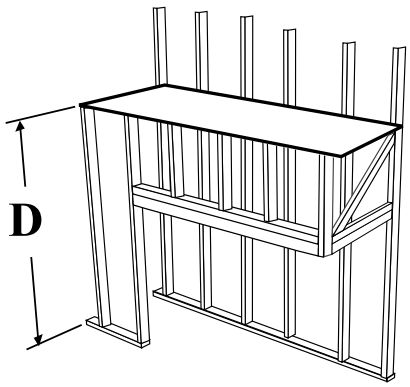
Framing Dimensions	Description	Corner Kit
A	Framing Height	51" (1295mm)
B	Framing Width	84" (2134mm)
C	Framing Depth	20-5/8" (524mm)
D	Unit Base to Top Enclosure (Min.)	87"(2210mm)
G***	Vent Centerline Height (Flex)	55-1/4" (1403mm)
G***	Vent Centerline Height (Rigid)	59-1/4" (1505mm)
*** **Important:** Minimum overall vent run must be 4 feet. Even though centerline is 55 1/4 (flex) & 59 1/4" (rigid), if appliance is framed at minimum depth, the 4 feet of vent run could not be obtained. Center line will need to be increased in height in order to achieve a minimum vent run of 4 feet.		

Note: A combined minimum of 120 square inches of open area is required for the convection air outlet to cool the enclosure. Ensure clearances for Convection Air Outlets are met.
See clearances CB72EPV in this manual as there are different methods as to how this can be achieved.

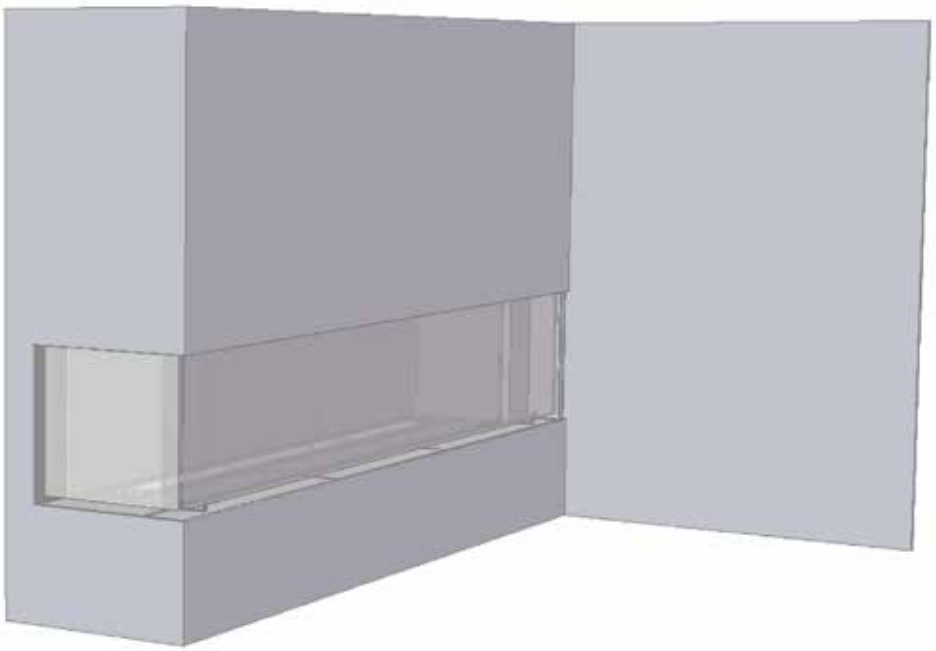
NOTE: Unit cannot be load-bearing. All finishing materials must be supported by the framing.





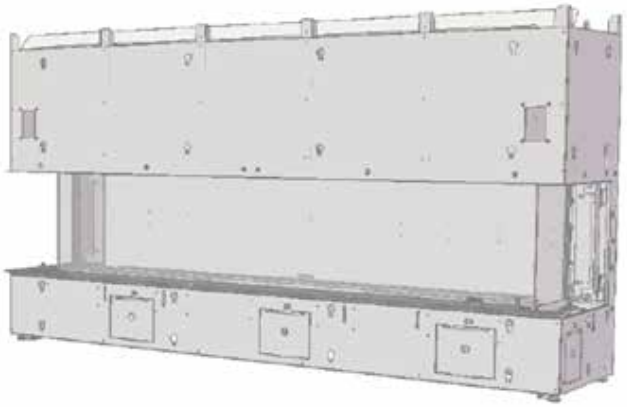


Corner Conversion - Assembly Steps

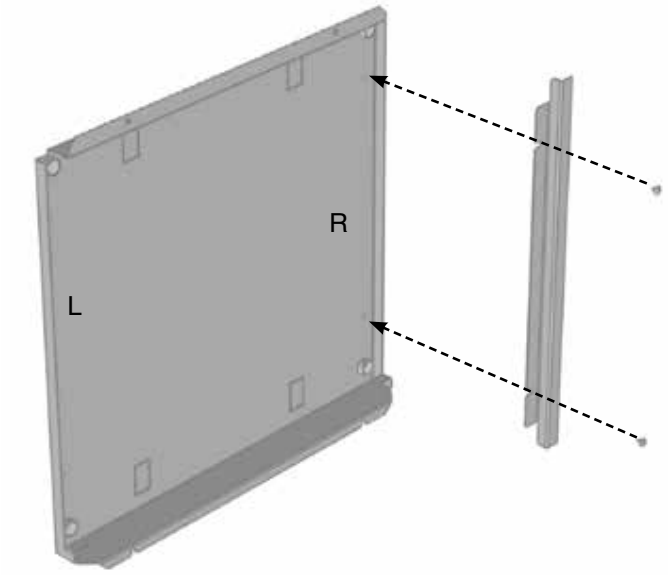


1. Decide on Left or Right install - Install outer panel of corner conversion before placing unit in framing.

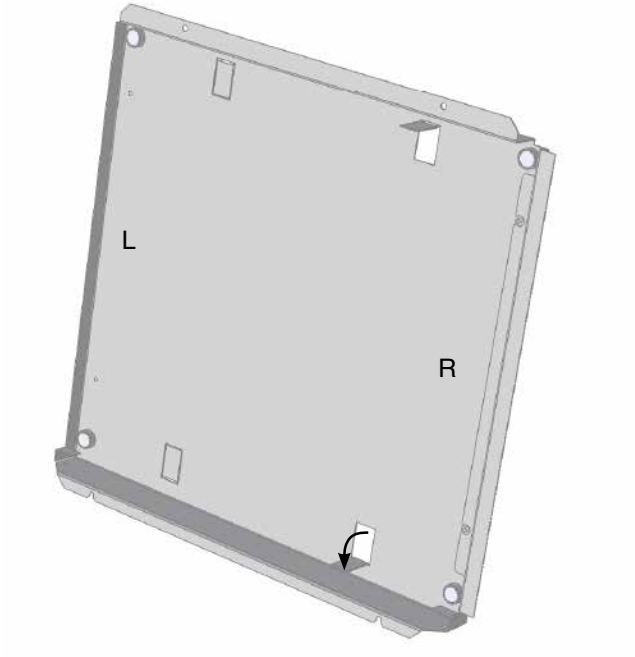
LEFT RIGHT



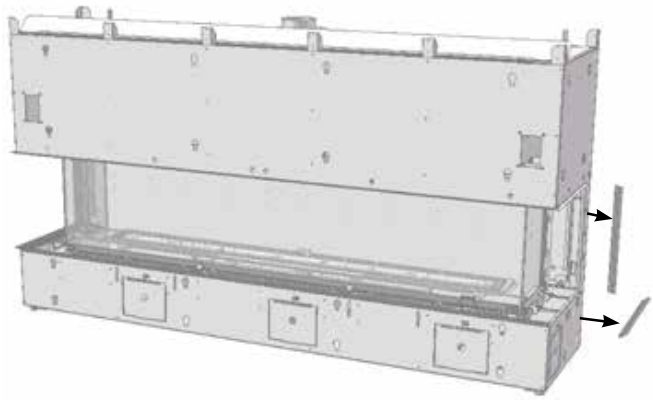
2. Install trim guide for left or right install to the outer side panel.



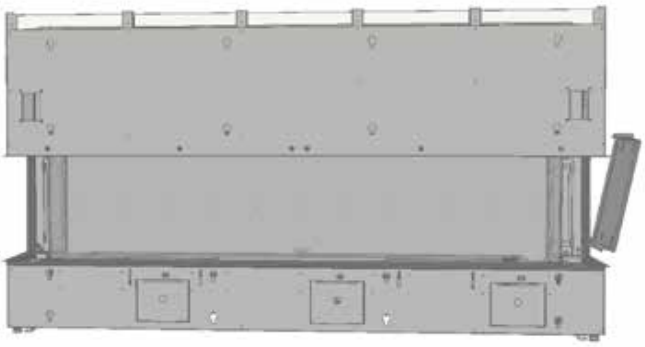
3. Bend tabs closest to the finishing trim inwards 90 degrees on the outer side panel.



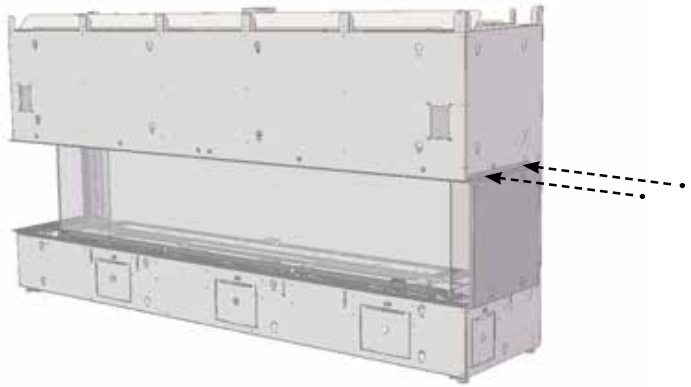
4. Loosen screws using offset screwdriver and remove trim guides from side of unit and recycle them.



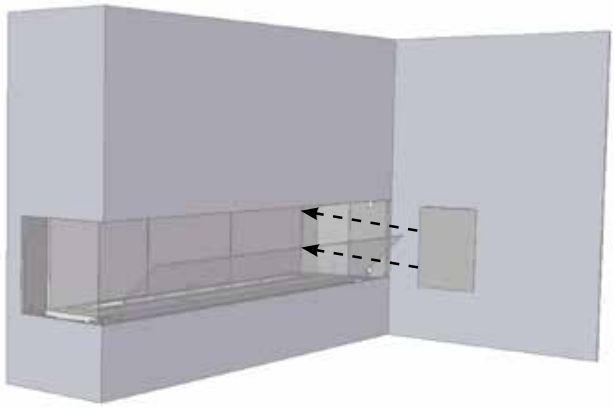
5. Slide outer side panel down onto screws that remain from removable trim. Tighten screws with offset screwdriver.



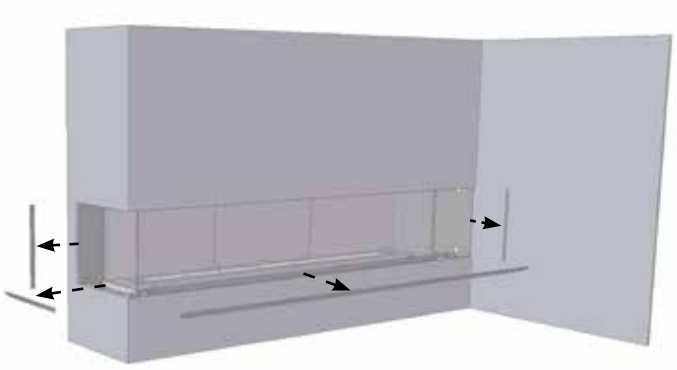
6. Screw in the two self-tapping screws to the top of the outer side panel. Unit can be placed in framing at this point.



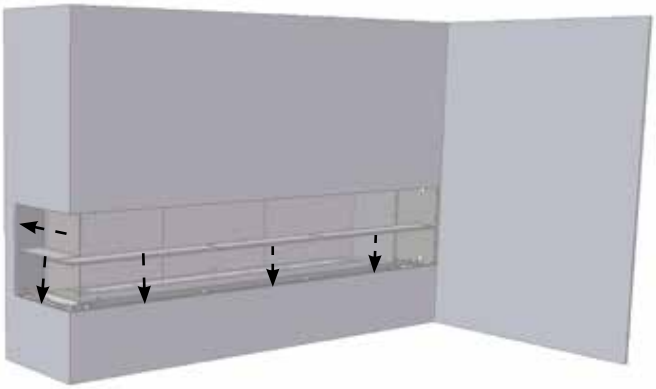
7. See inner panel install section. Once firebox panels are installed, then install corner conversion liner panel inside of side barrier glass. Note: Gasket side of panel sits against the glass and the flange sits at top.



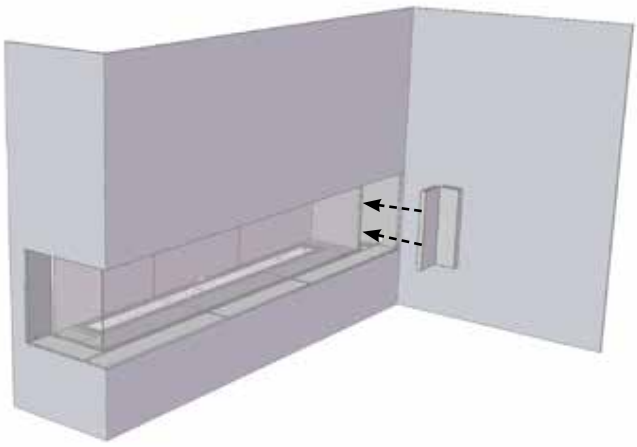
8. Once all framing and wall finishing is complete, use offset screwdriver and remove finishing trim guides.



9. Install outer liner panels and then recycle unused side and back panel.

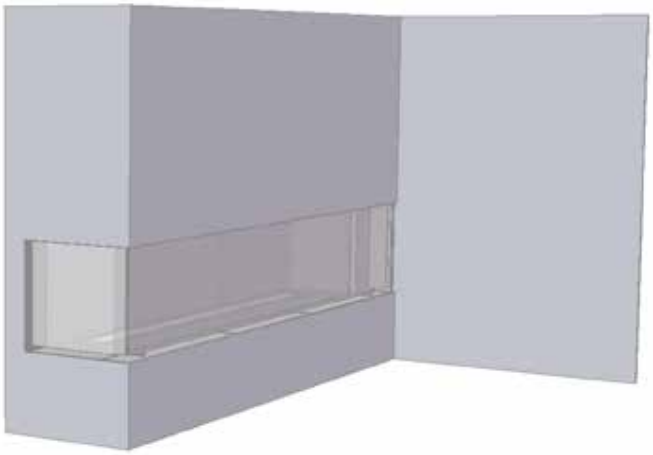


10. Slide corner piece in right up to firebox glass.



11. Slide corner piece up to outer side panel until contact with magnet is made.

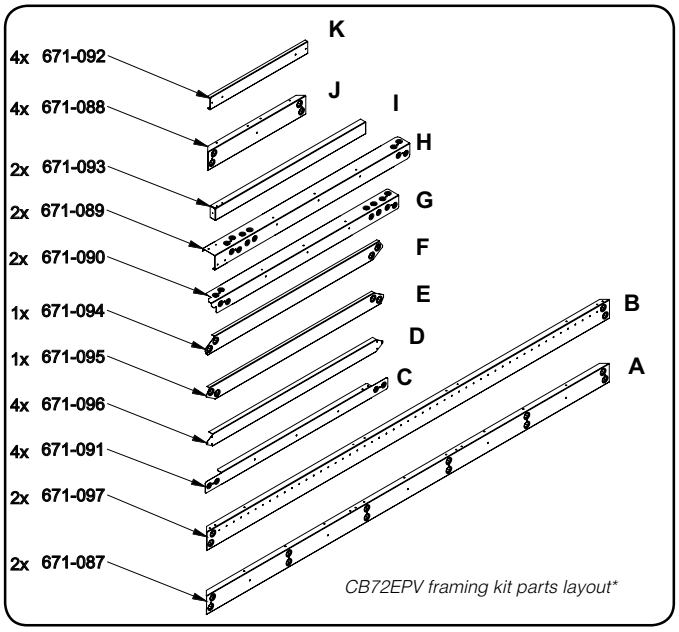
12. Once corner conversion is installed, continue regular install of barrier glass. Discard unused side glass barrier.



Optional Framing Kit

Tools/hardware required:
- Level
- Stud finder
- Cordless screwdriver
- Phillips bit
- 5/16 inch hex head bit
- 2" to 3" wood screws (minimum 16)
- Flashlight

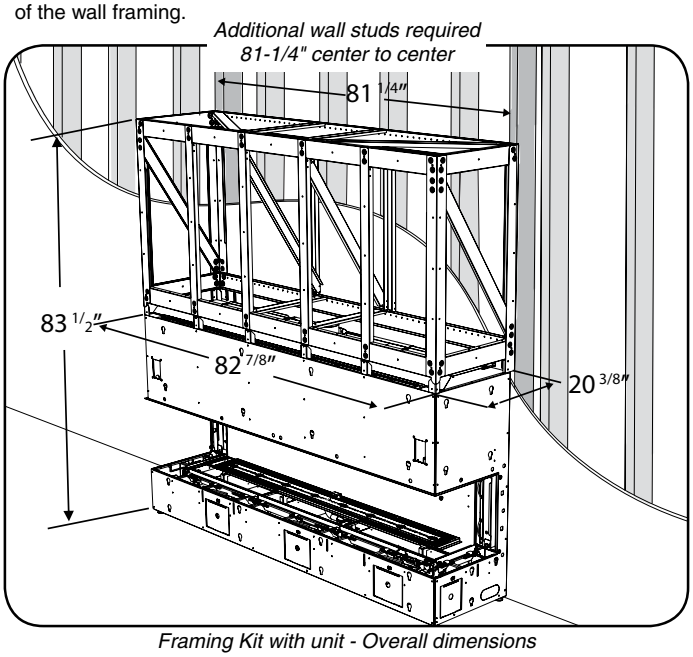
Note: Extra screws are provided to assemble this kit.



*CB72EPV framing kit parts layout**

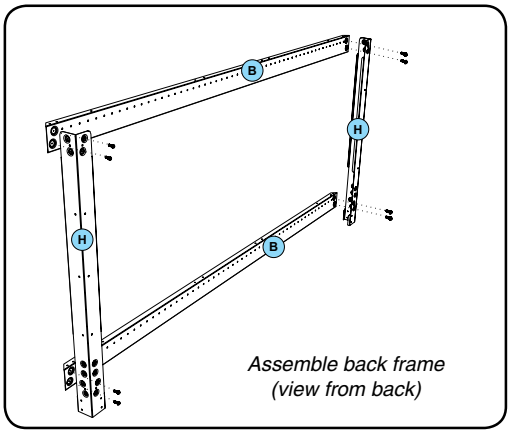
**See last page of these instructions for assembled overview.*

Before starting the installation, ensure the wall framing contains 2 additional studs spaced 81-1/4" (2064mm) apart from center to center. The framing will need to be secured to these studs as well as secured to the original studs of the wall framing.



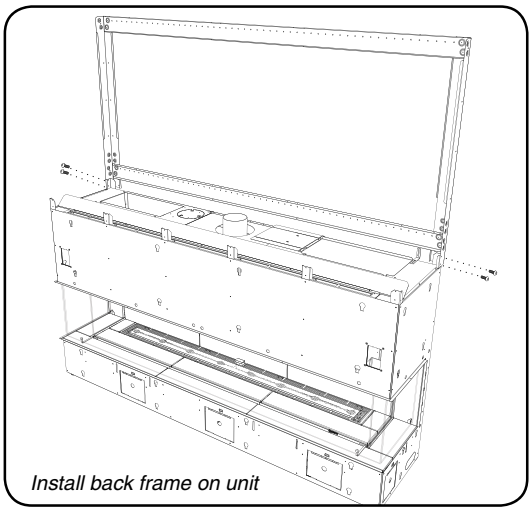
Framing Kit with unit - Overall dimensions

1. Assemble the back frame as shown below by assembling 2x Part B with 2x Part H with 8 screws installed from back of frame.



Assemble back frame (view from back)

2. Install the frame assembled in Step 1, onto the back of the unit as shown with 2 screws on each side.

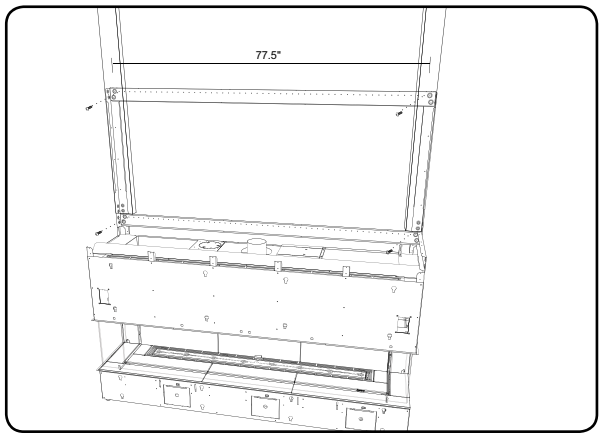


Install back frame on unit

3. Place unit against wall in desired location. Level the unit by adjusting 4 leveling bolts on unit.

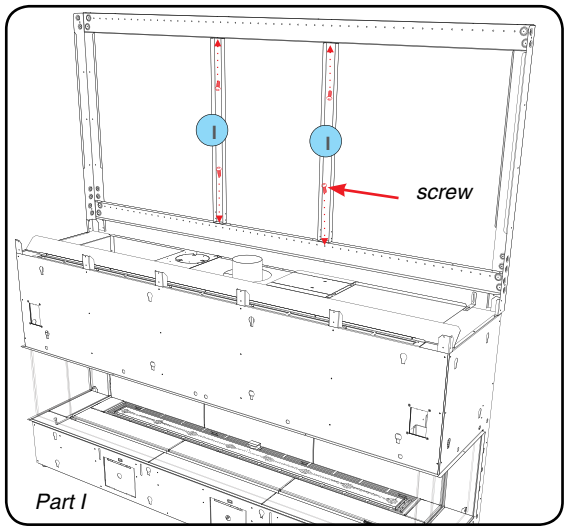
4. Install venting before proceeding further with framing kit construction. Refer to manual for venting instructions.

5. Secure the unit with framing to the wall studs with 2-1/2"-3" wood screws (not supplied). Use 8 screws and secure to 4 studs minimum. Ensure the frame is also secured to the 2 additional studs spaced 77.5" apart, using the last hole on the upper and lower Part B framing part as shown below.

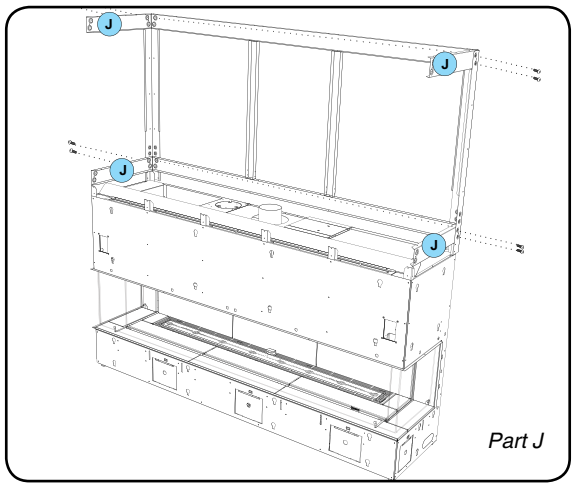


Secure framing to wall
Note: only 2 additional studs shown (regular framing not shown)

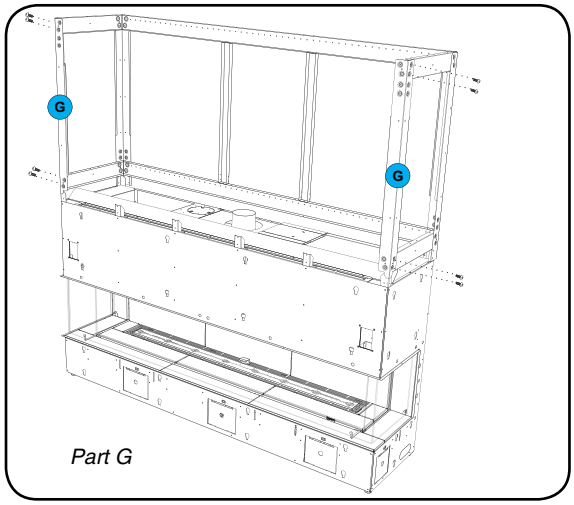
6. Attach the 2 center supports (Part I) to upper and lower Part B of the back frame with 2 screws each as shown.



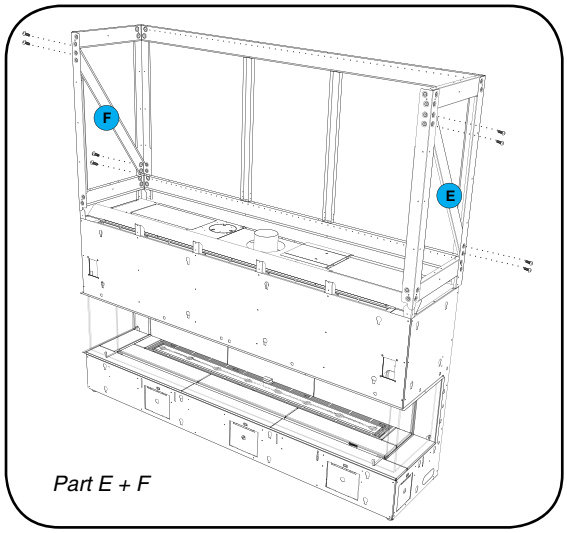
7. Attach the 4 x end pieces (Part J) to the upper and lower Part B of the back frame with two screws each.



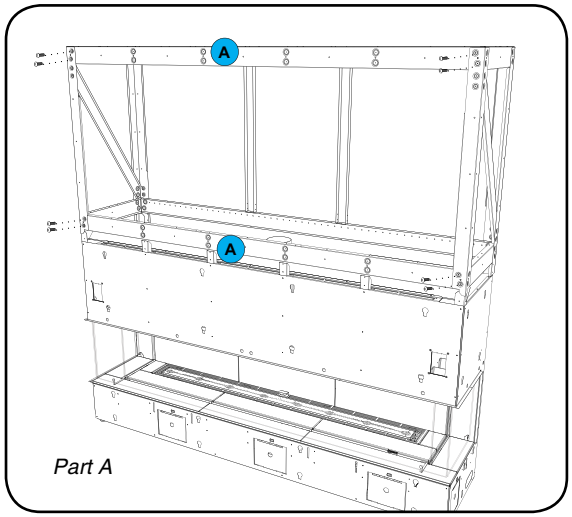
8. Attach 2 x Part G to the previously installed Part J parts with 2 screws at each end.



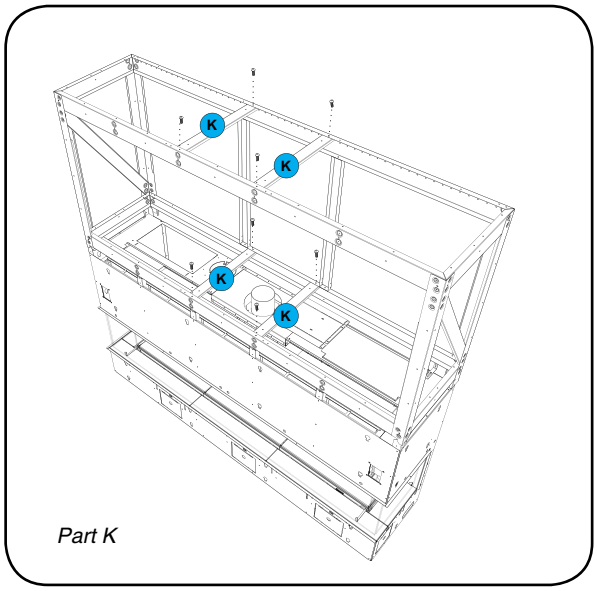
9. Attach end cross braces (Parts E + F) with 2 screws at each end as shown below.



10. Install Part A (x2) to Part G on each side with 2 screws on each end.

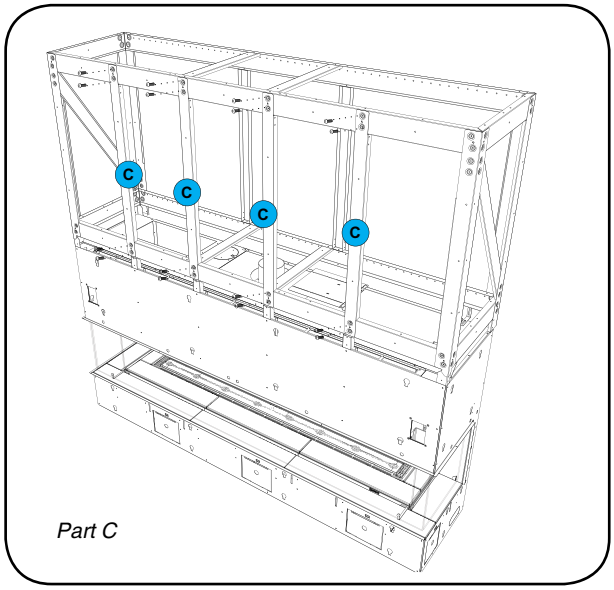


11. Install 4 horizontal mid braces (Part K) with one screw on each end (installed from the top).



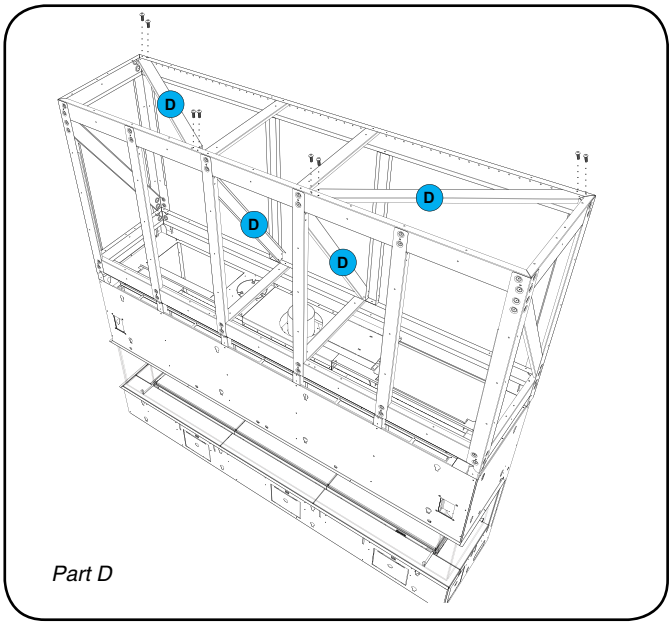
Part K

12. Install 4 front supports (Part C) to upper and lower Part A with 2 screws on each end.

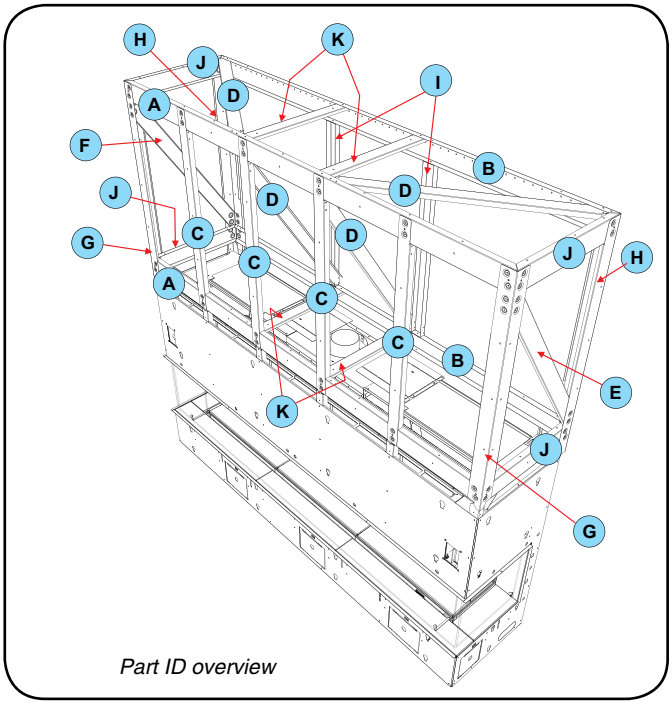


Part C

13. Install 2 top and 2 inner diagonal supports (Part D) with 2 screws at each end.



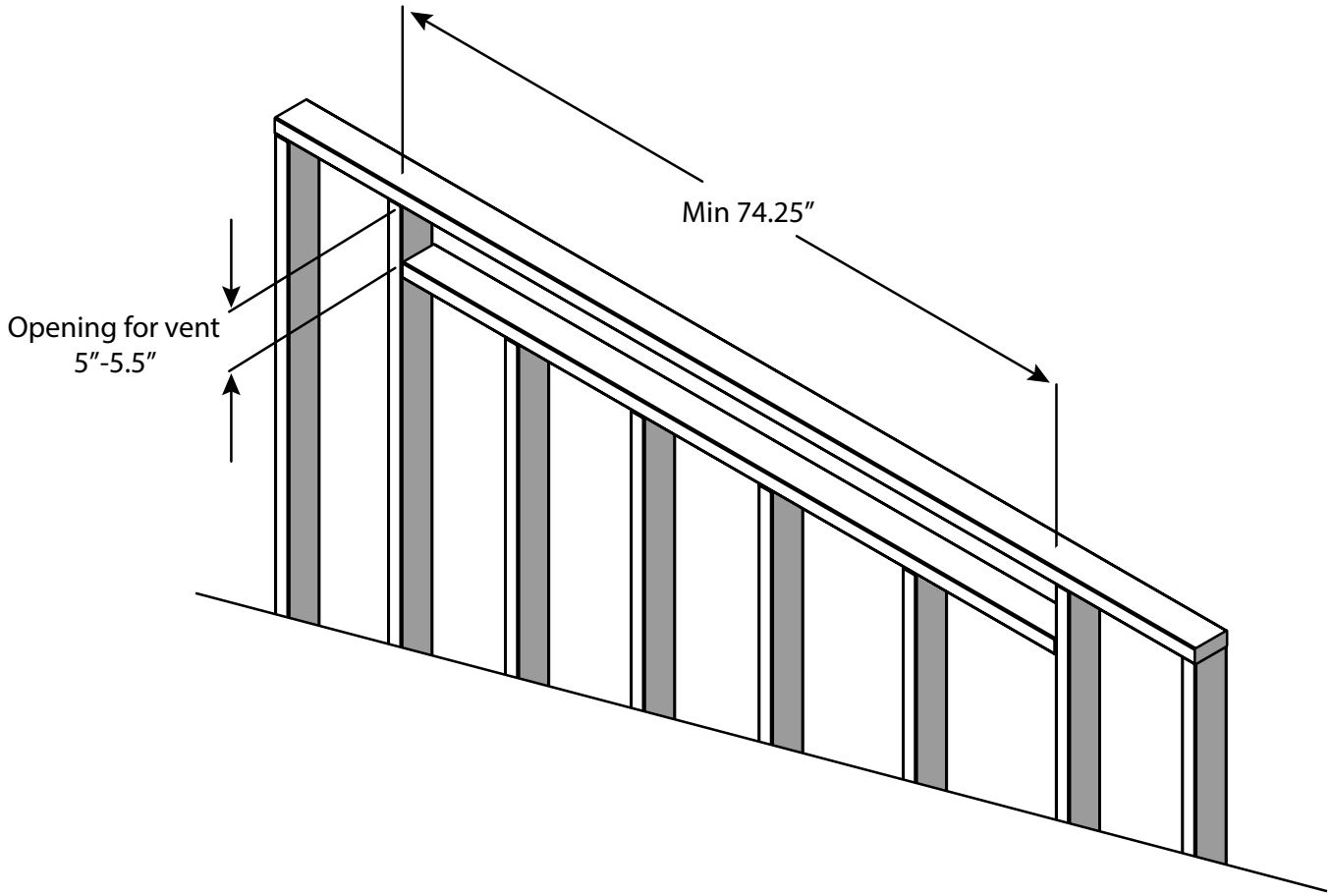
Part D

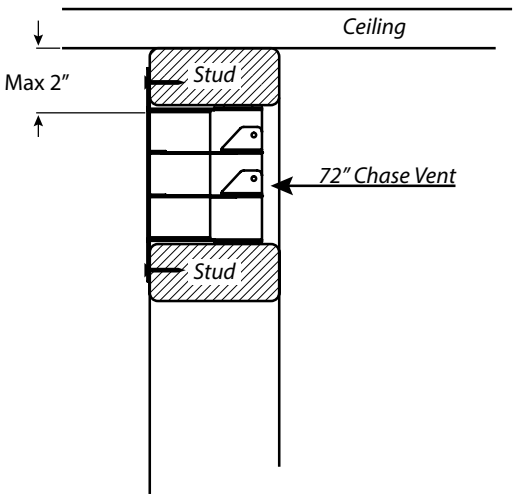


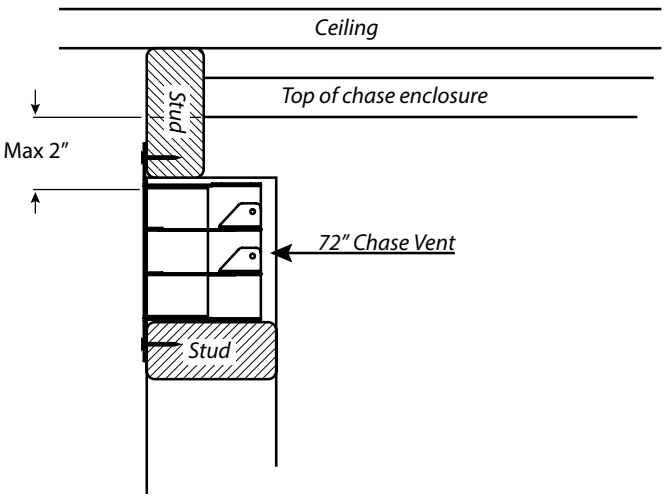
Part ID overview

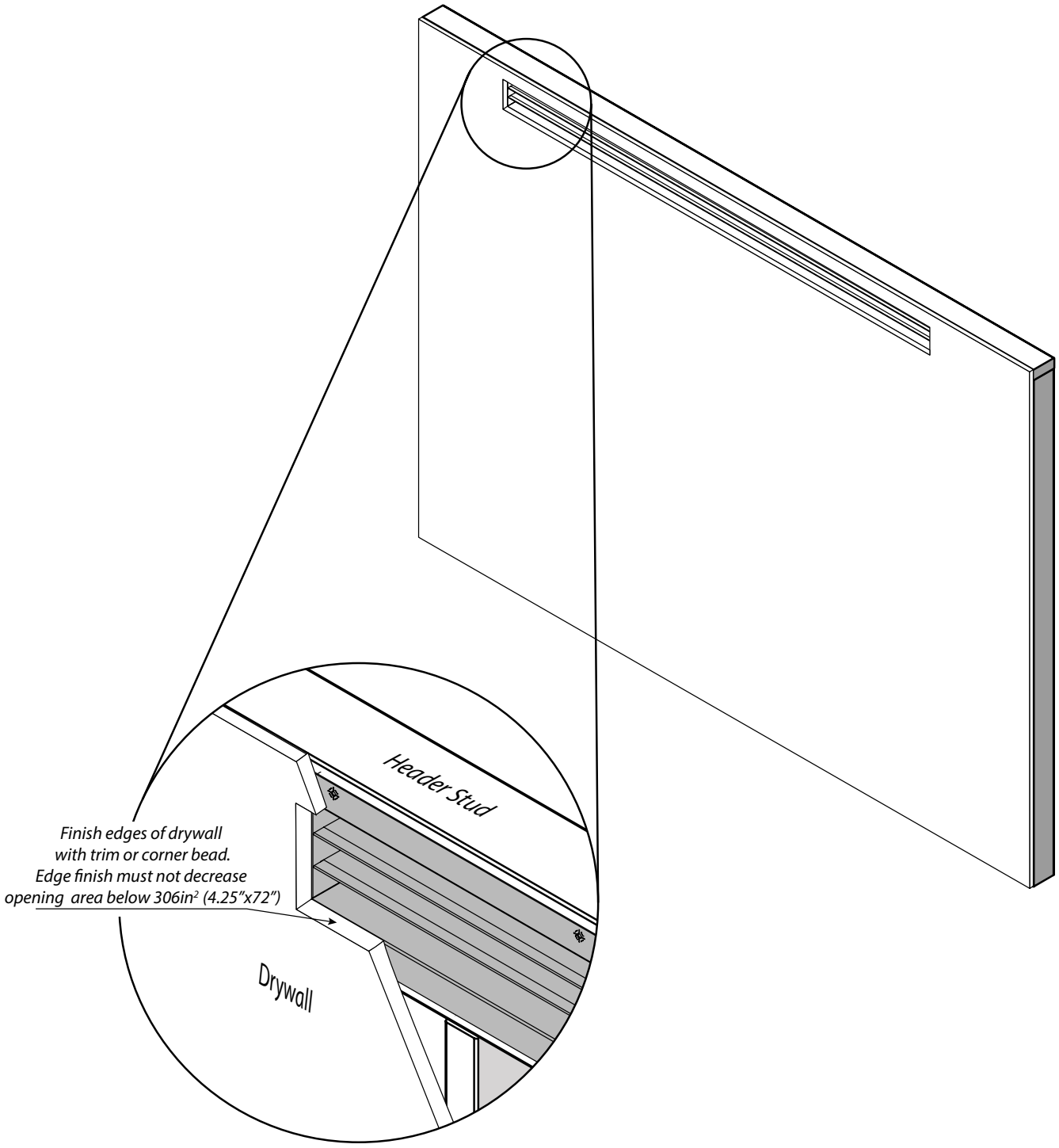
Chase Vent Installation

Framed Opening must be between 5″ and 5.5″ tall, and at least 74.25″ wide to accomodate the Chase vent.
The top of the chase vent opening must be 2″ or less from the top of the chase enclosure.

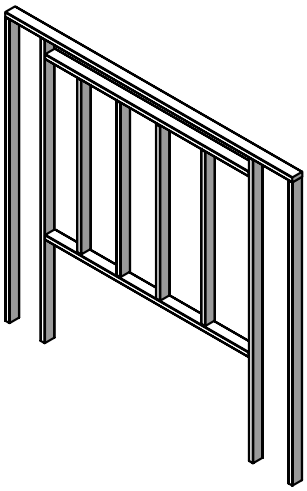






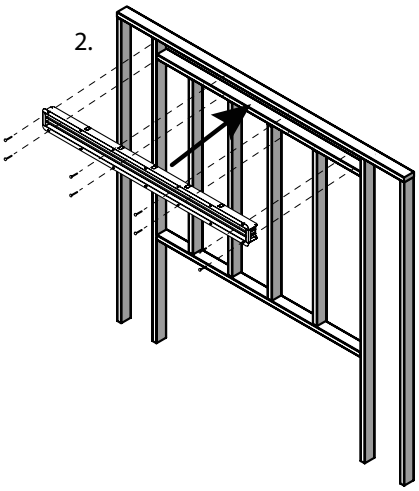

Header Stud
Finish edges of drywall
with trim or corner bead.
Edge finish must not decrease
opening area below 306in² (4.25"x72")
Drywall

1.



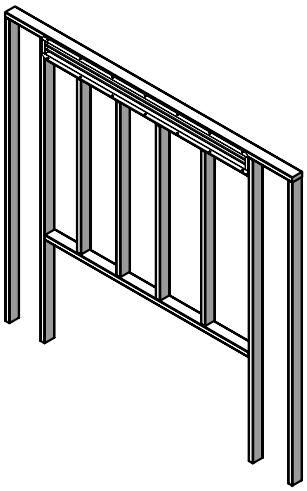
Frame opening for vent
(See Vent Framing Clearances Page)

2.



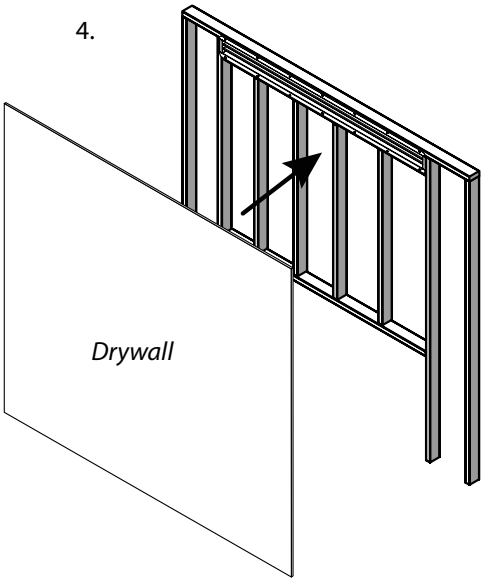
Screw Chase vent to Framing

3.



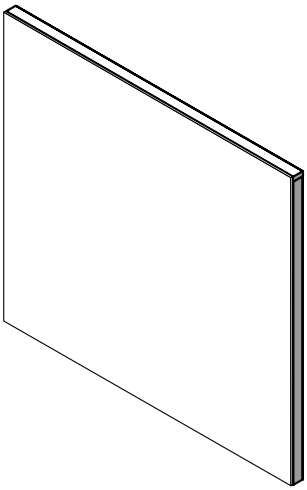
Use at least 4 sets of screws
to keep the vent flat against framing

4.



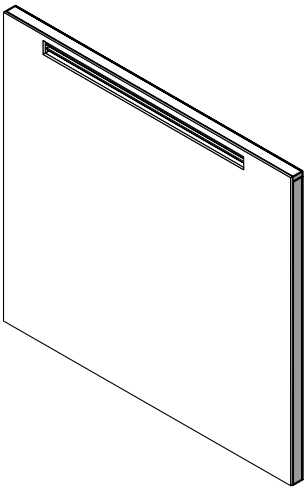
Frame wall with finishing material

5.



If necessary, mark where the
chase vent is located before
fixing drywall in place

6.



Cut hole in finishing material
around inside of chase vent.
Finish edges around opening

Wall Board/Drywall Installation

WARNING! Risk of Fire! Comply with all minimum clearances to combustibles as specified.

Finishing Instructions
It is important to follow the framing and finishing instructions to ensure proper placement of fireplace into the surrounding framing/finishing materials. Wall board materials 1/2 in. thick are specified in this installation manual to properly align with the optional finishing methods offered with this appliance. The CB72EPV may be finished to the appliance opening with 1/2 inch thick drywall.

• Ensure that the back and side clearances are maintained.

WARNING! Risk of Fire! Maintain specified air space clearances to combustibles. Inadequate air space could cause overheating and fire.

DO NOT use screws more than 1/2 inch in length on the lower access cover panel. Longer screws may penetrate gas line or damage valve or electrical components.
Note: It is acceptable to use a high temperature silicone sealant to adhere drywall to lower access cover panel.

The appliance is designed to be used with a minimum 1/2 in. wall sheathing materials such as drywall, plywood, wood composites, or non-combustible materials. Thicker materials may be used. Refer to facing and finishing details in this manual.

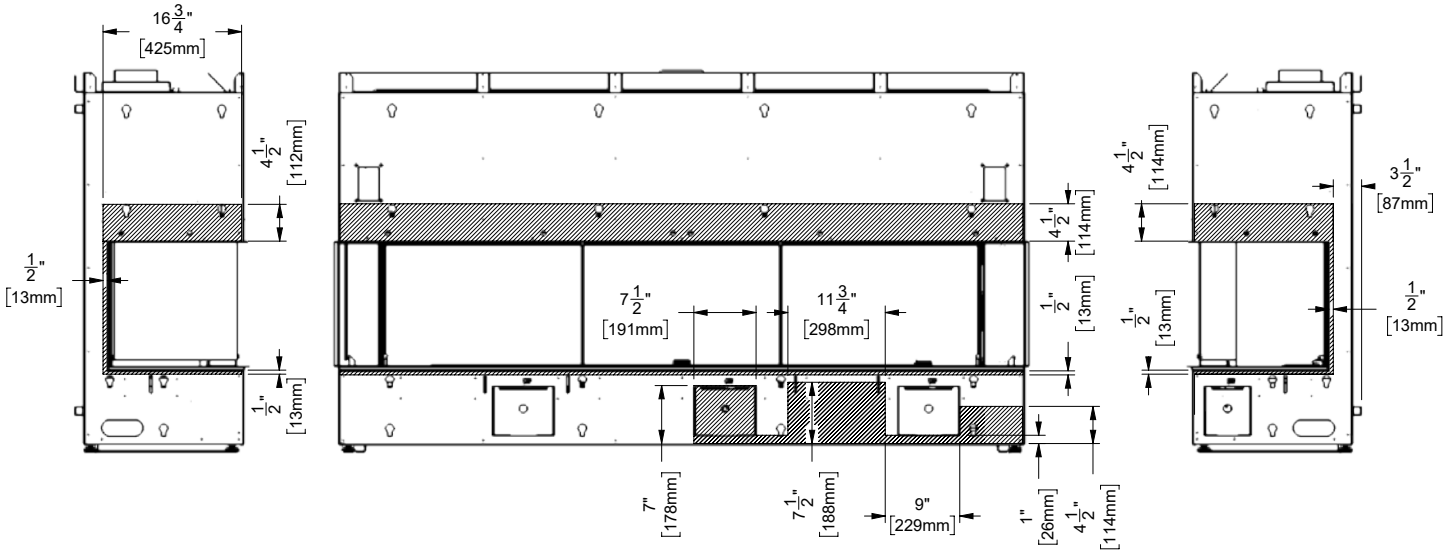
Facing Material
• Facing and/or finishing materials must never overhang into the glass opening. See finishing details in this manual.
• Facing materials may be combustible or non-combustible

WARNING! Risk of Fire! DO NOT apply combustible materials beyond the minimum clearances. Comply with all minimum clearances to combustibles as specified in this manual. Overlapping materials could ignite and will interfere with proper operation.

PAINTING
If desired finishing includes a painted wall, 100% acrylic latex, oil-based or standard acrylic paints may be used.
Follow paint manufacturer's instructions for paint and primer application.

No Screw Zones

No screw zones (in shaded areas) as shown below must be adhered to.



Framing and Finishing Inset Installations

1. Frame in the enclosure for the unit with framing material

Note: When constructing the framed opening ensure there is access to install the gas lines,electrical. Also the wiring harness must be wall mounted using the receptacle provided with the appliance. The wiring harness will be located on the right hand side of the appliance if facing the unit from the front. This must be done prior to any finishing.

2. For exterior walls, insulate the enclosure to the same degree as the rest of the house, apply vapour barrier and drywall, as per local installation codes. (Do not insulate the fireplace itself.)

WARNING: Failure to insulate and add vapor barriers to the inside of the exterior wall will result in operational and performance problems including, but not limited to: excessive condensation on glass doors, poor flame package, carbon, blue flames etc. These are not product related issues.

3. **IMPORTANT: Exterior wall/Alcove enclosure:** When installing into an exterior cavity or alcove enclosure (ceiling, back and sides), regardless of where appliance is placed within the home, requires the use of either drywall or other means such as plywood, wood studs, etc. to prevent heat from escaping anywhere above /though the enclosure other than the required grill/ventilation openings.
   • **Internal chase:** When installing as an internal chase framing installation, regardless of where appliance is placed within the home, requires the use of either drywall or other means such as plywood, on the rear wall of the chase to eliminate heat escaping into the rear wall cavity. If the chase is extended to the ceiling, the ceiling will also need to be finished in a manner to prevent heat escaping into floor joist/attic space. One of the following methods must be used to prevent the heat from escaping :
   a. If choosing drywall, ensure that the drywall is butt up tight with no gaps.
   b. Plywood, wood studs, etc. installed tightly with no gaps.
   • As this appliance has been designed with all hot air escaping through the chase enclosure ventilation/grill openings only, if hot air is trapped as a result of the hot air escaping through joints, crevasses, open studs, or other openings within the enclosure above, this will change the clearances within the enclosure causing the enclosure to overheat. It is vital that all the hot air from within the enclosure exits through the ventilation openings only. Ensure that the ventilation openings are made as such to prevent debris, objects from falling into the enclosure.

Note that in all applications while there is a zero clearance to combustibles to the unit, all clearances to combustibles from the venting inside the chase still applies. Please see venting clearances in the specific product manual.

4. Combustible material (drywall,wood,wood panels, etc.) may be brought up to the appliance (top,bottom and sides)

5. Ensure that the material being used does not encroach anywhere in the area of the glass. This would cause dangerous operating conditions.

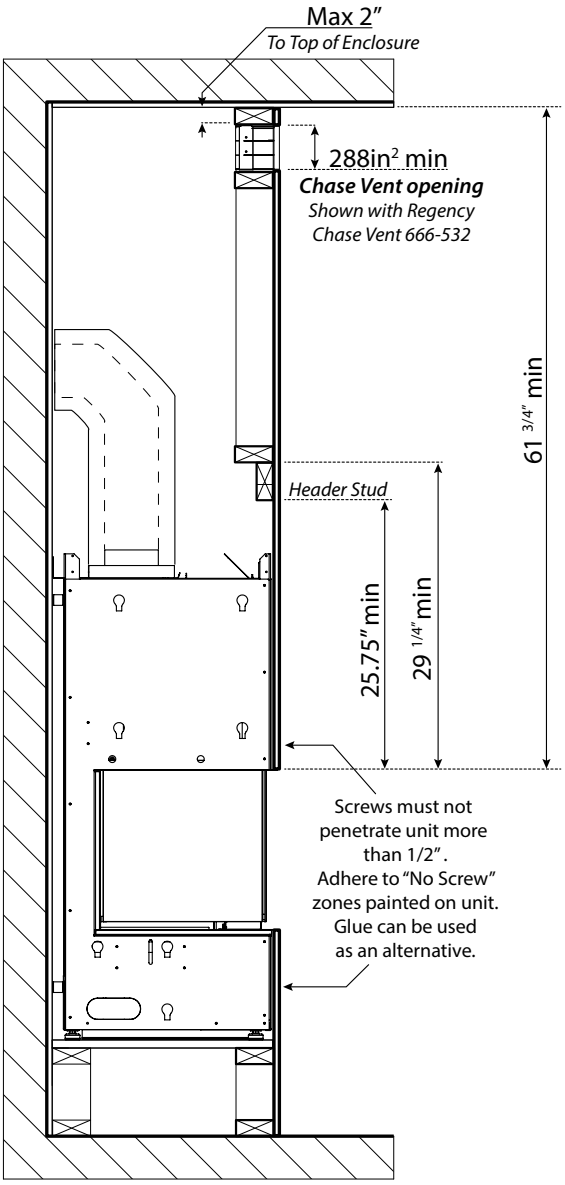
6. This appliance comes with a 1/2" lip at top and bottom to hide the ends of the drywall. The 1/2" side and bottom lip supplied with the appliance can alternatively be removed (see Diagram 1) and replaced with J Style Trim or Metal Corner Bead purchased at your local hardware store to cover cut/ exposed edges of the combustible facing material or any other finishing materials being used. 6 screws secure the bottom lip — see Diagram 1. These will be hidden so the outer panels will need to be removed to access the screws. See outer panel removal in this manual.

7. This appliance can also be recessed (using combustible materials) with a hearth in front of the appliance. This can also extend to the top. See manual for details.

Note : Combustible material may extend a minimum of 1/2" and to a maximum of 5-1/8" (130mm) from the front top (with larger glass). See mantle clearance chart for details. The base and side (with smaller glass) have no limit regarding how far the combustible material may extend from the appliance. Ensure that no material encroaches anywhere in the area of the glass as it is defined by the finishing lip surrounding the appliance.

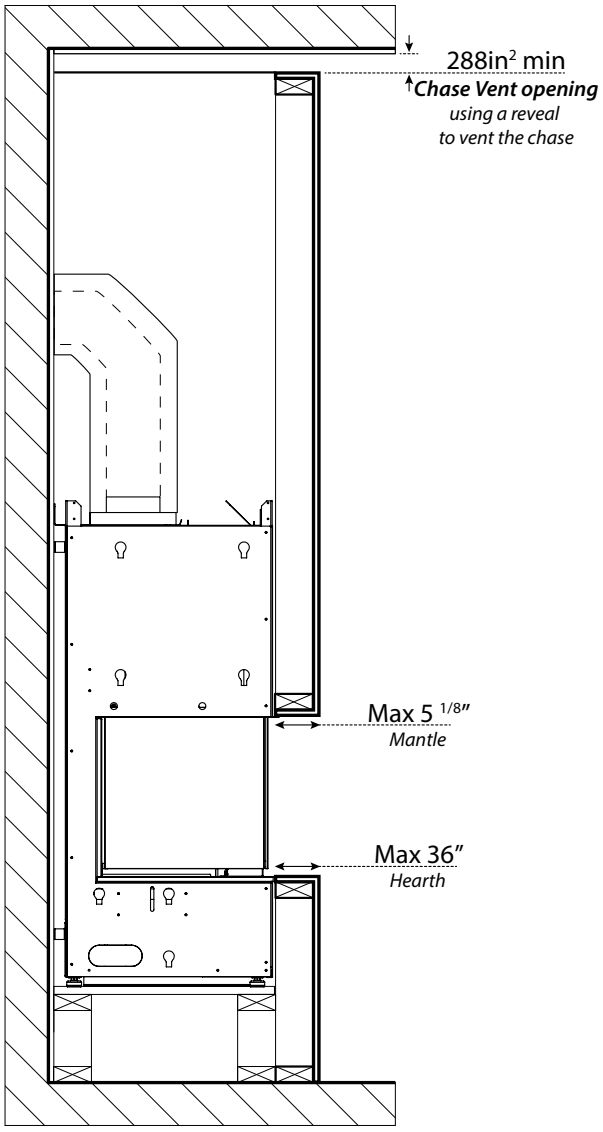
Typical Installations

Flush Install



1/2″ drywall directly onto unit.

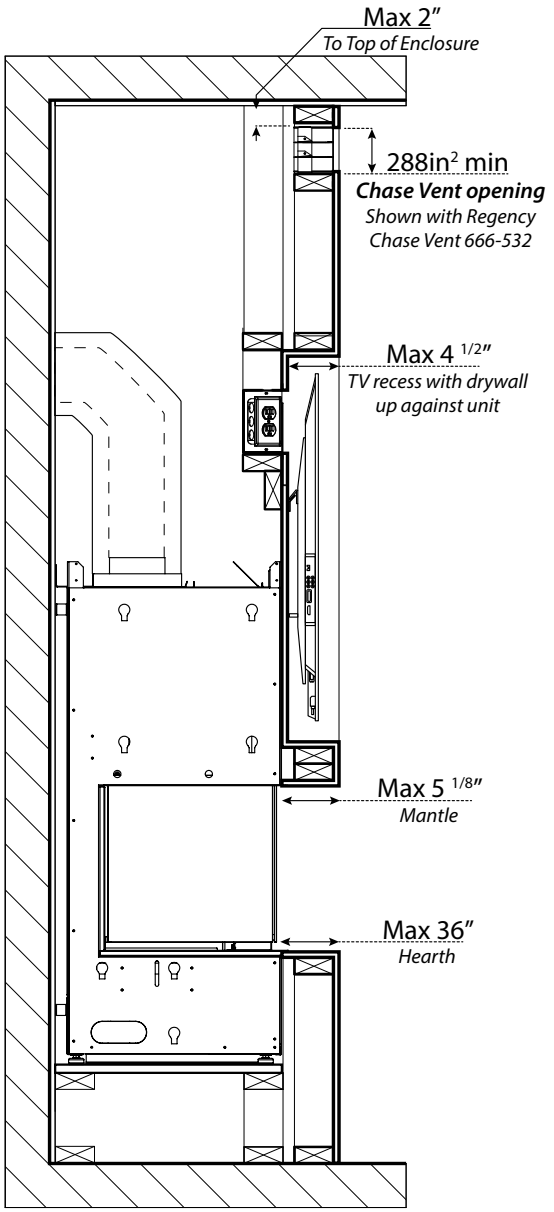
Recessed Install



3 1/2″ framing in front of unit plus finishing material.

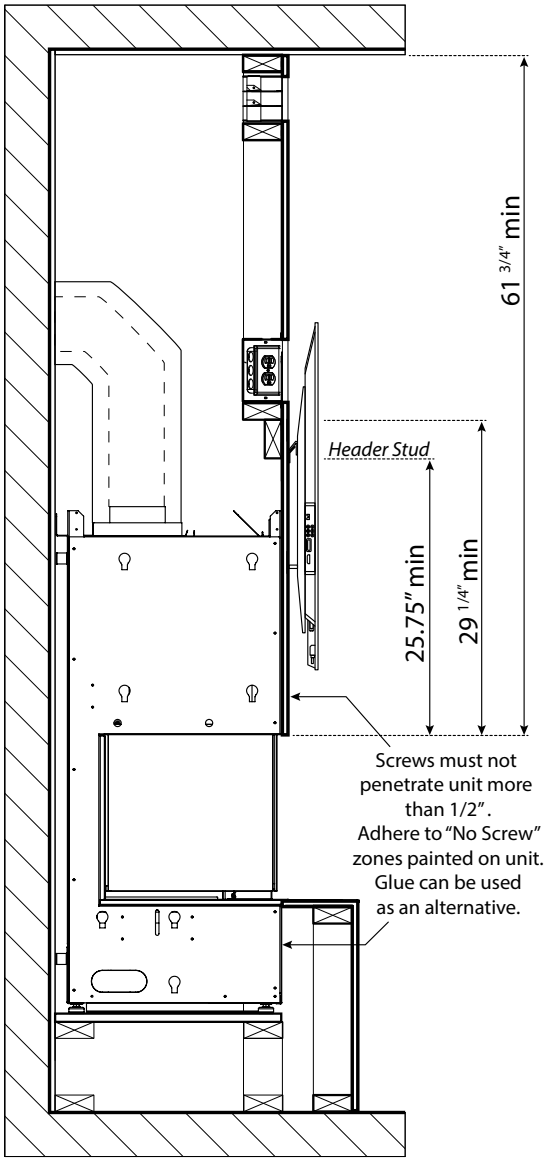
Typical Installations

Maximum TV Recess



4 5/8″ maximum TV recess using 1/2″ drywall

Flush TV with Hearth

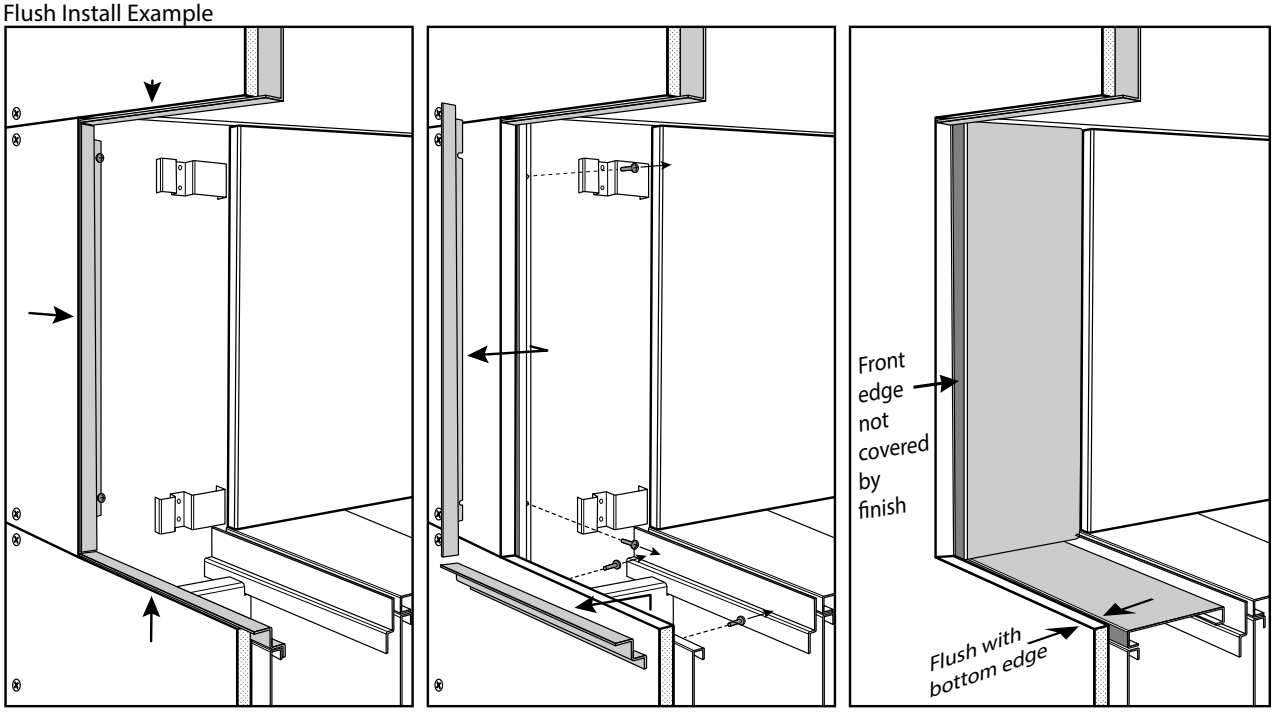


Flush wall TV install using 1/2" (13 mm) drywall.

Note: The TV mounting bracket can not be secured directly to the appliance. It must be secured to framing. The TV depicted in the picture may need to be higher depending on the style of TV mounting bracket used. The mounting bracket shown is a simple single strip TV secured to framing.

Finishing

Flush Install Example



- Finish up to trim on all 4 sides

- Loosen screws using supplied Offset Screwdriver and remove bottom and side trim pieces

- Front edge of side liner panels must not be covered by finishing material or removal of the Firebox Glass will not be possible
- Bottom edge should be flush with top surface of Inner Liner Panel

Recess Install Example