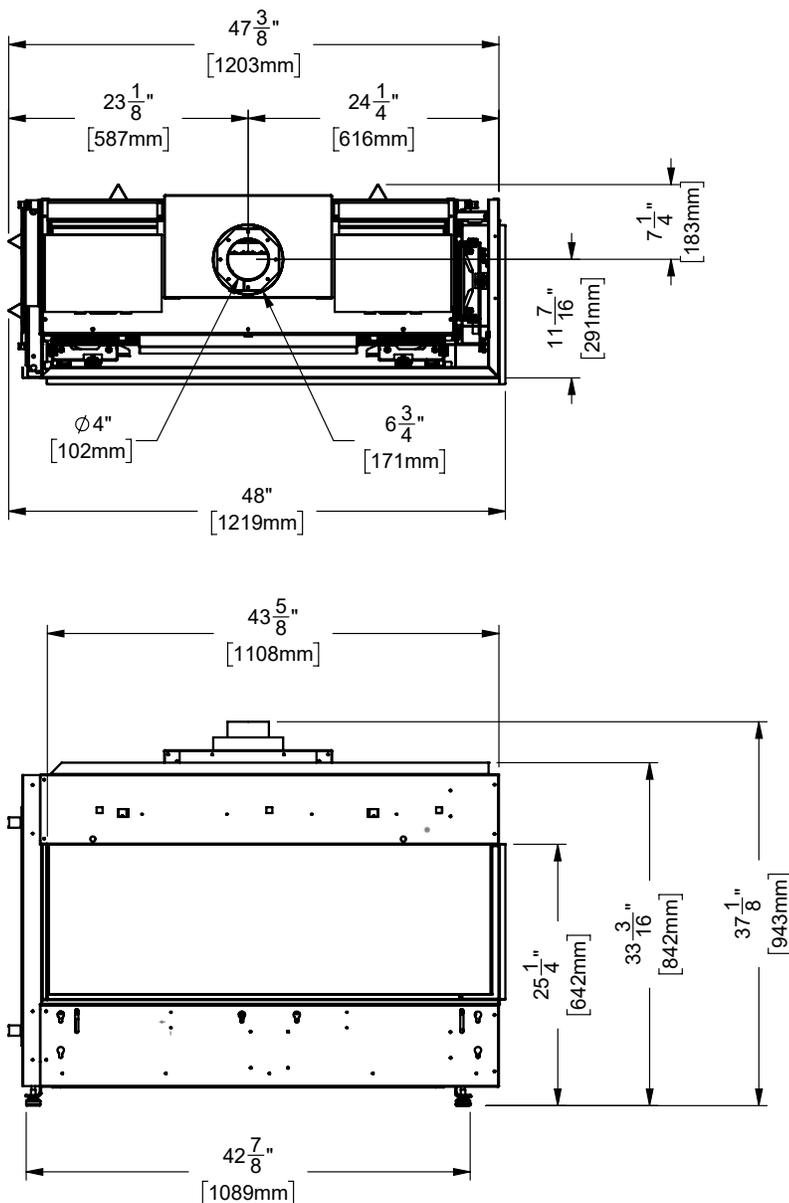


## City Series CC40RE Gas Fireplace

Model	CC40RE-NG	CC40RE-LP
Fuel Type	Natural Gas	Propane
Minimum Supply Pressure	5" W.C. (1.25 kPa)	11" W.C. (2.73 kPa)
Manifold Pressure - High	3.8" W.C. (0.94 kPa)	10.5" W.C. (2.62 kPa)
Manifold Pressure - Low	1.1" W.C. (0.27 kPa)	2.9" W.C. (0.72 kPa)
Orifice Size -Altitude 0-4500 ft.	#42 DMS	#53 DMS
Minimum Input Altitude 0-4500 ft. (0-1372m)	15,500 BTU/h (4.54 kW)	15,500 BTU/h (4.54 kW)
Maximum Input Altitude 0-4500 ft. (0-1372m)	28,500 BTU/h (8.33 kW)	28,500 BTU/h (8.33 kW)
Vent Sizing	4" Inner / 6-5/8" Outer	4" Inner / 6-5/8" Outer



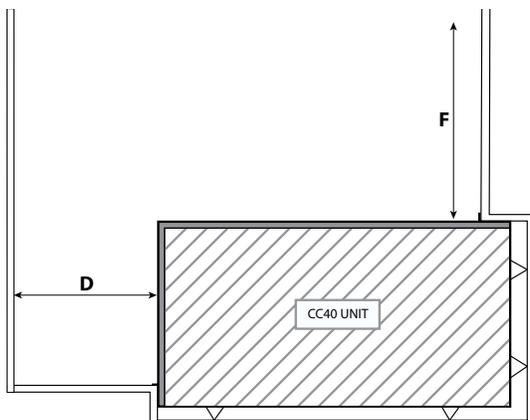
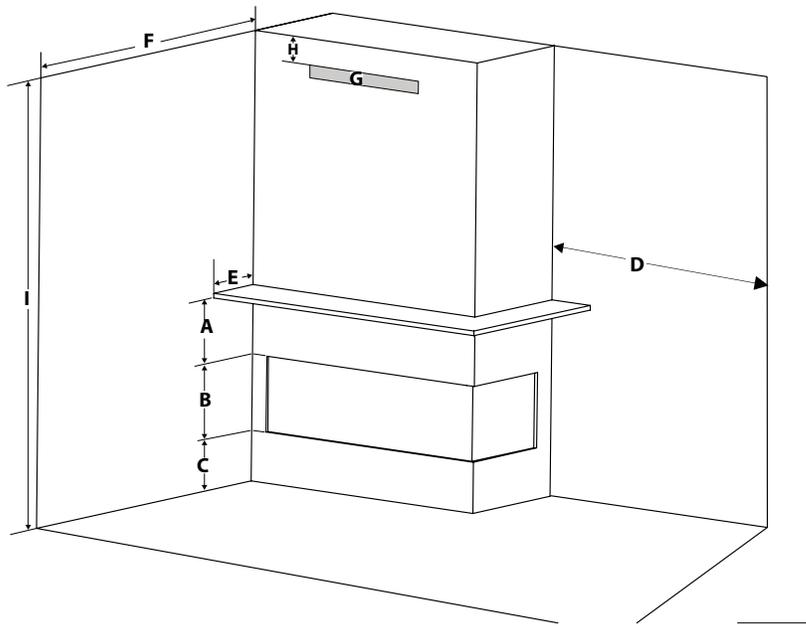
## CLEARANCES CC40RE

Clearance: single sided	Dimension	Measured From:
<b>A: Mantel Height (min.)</b>	**	Top of Fireplace Opening
<b>B: Opening Height</b>	15-1/16" (382mm)	Bottom/Top of Fireplace Opening
<b>C: From Floor</b>	Min. 0"	Bottom of Fireplace Opening
<b>D: Sidewall (on one side)</b>	Min. 36" (914mm)	Side of Fireplace Opening
<b>E: Mantel Depth (Max.)</b>	**	Front of Fireplace Opening
<b>F: Alcove Depth</b>	Min. 36" (914mm)	Front of Fireplace Opening
<b>G: Convection Air Outlet</b>	*	Top of Enclosure
<b>H: Convection Air Outlet Opening Offset</b>	0-3" (76mm)	Max. offset from top of chase enclosure
<b>I: Chase Enclosure (Min.)</b>	63" (1600mm)	From Base of Unit
<b>Hearth</b>	0"	No hearth required

\*\* 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"

\*A minimum of 120 square inches of open area, not lower than 3" from top of enclosure, required for all installations.



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

**Caution Requirements**

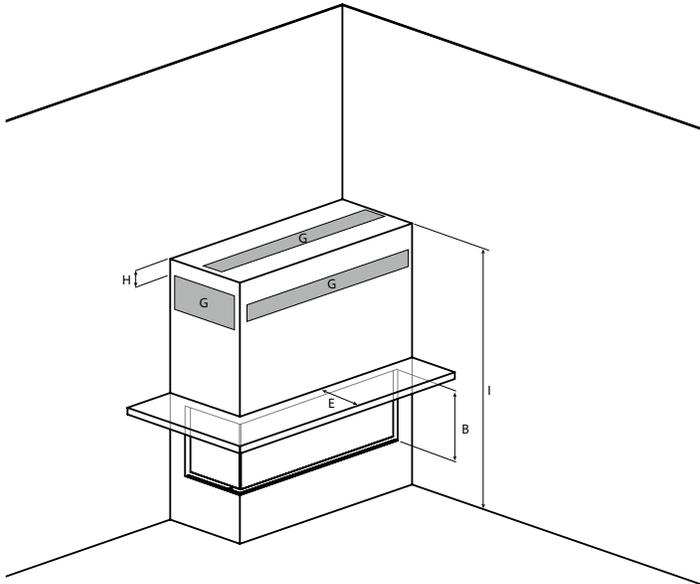
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

**WARNING**

**Fire hazard is an extreme risk**

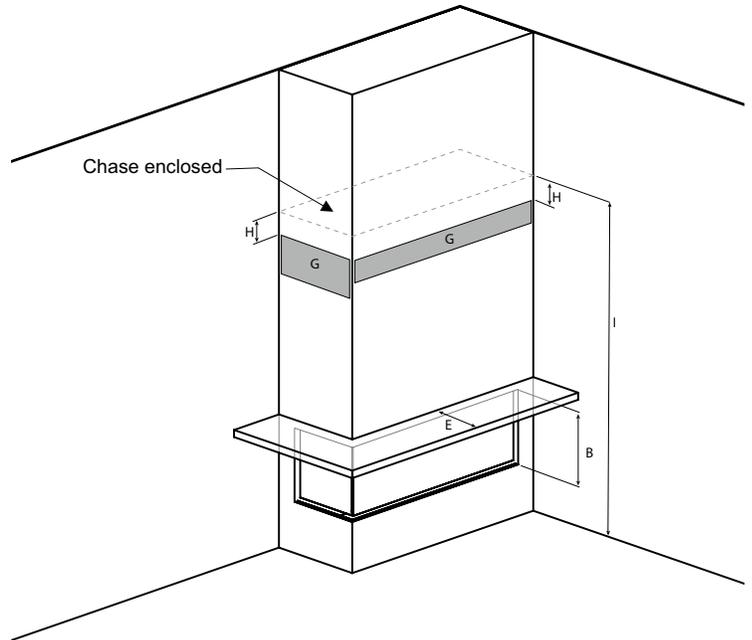
if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

**CLEARANCES CC40RE**



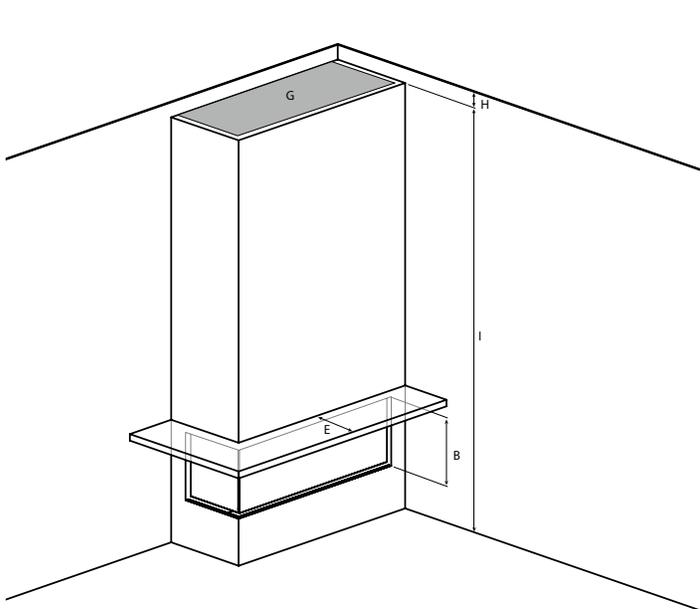
CC40LE shown

Low framing with vents in front/sides or top



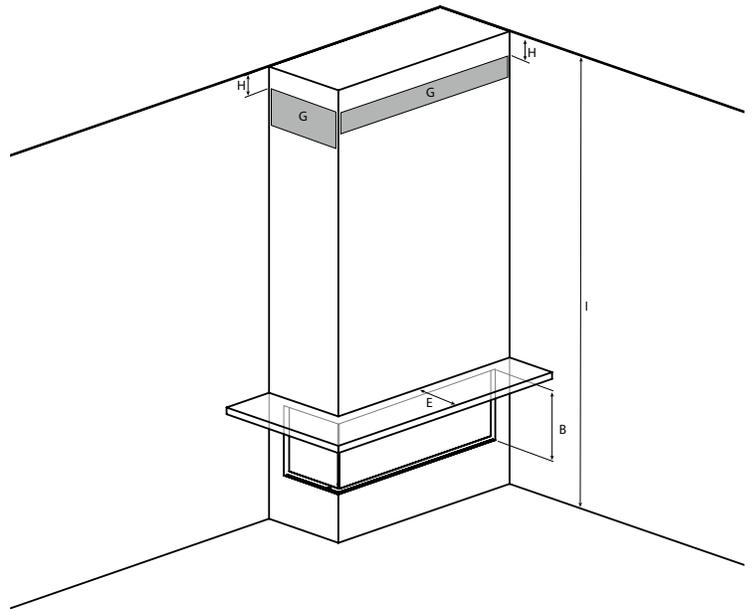
CC40LE shown

Full framing with low vents in front or sides



CC40LE shown

Floor to ceiling with top opening



CC40LE shown

Full framing with vents in front or sides

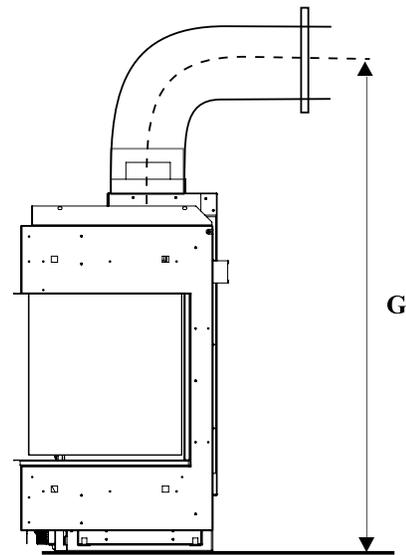
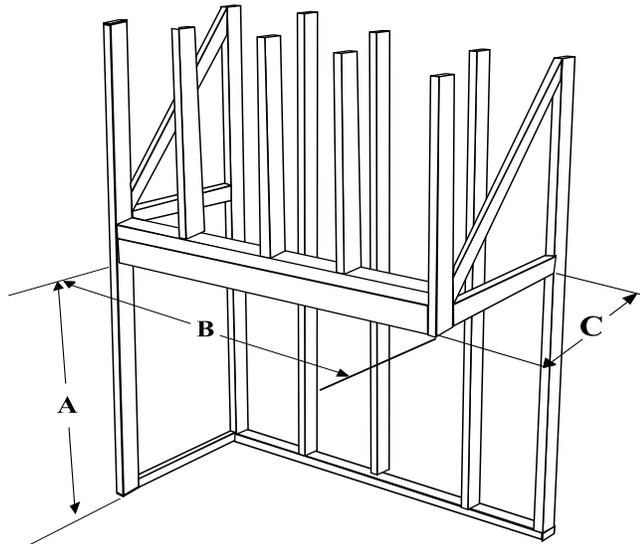
## FRAMING DIMENSIONS CC40RE

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

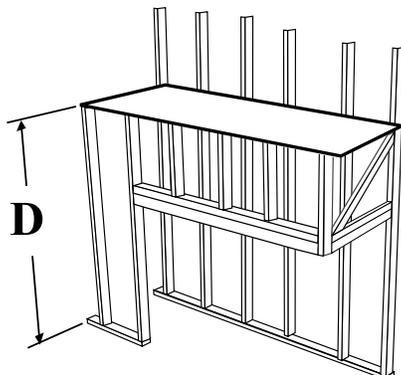
Framing Dimensions	Description	CC40RE
A	Framing Height	37-3/8" (949mm)
B	Framing Width	48-1/4" (1226mm)
C	Framing Depth	19" (483mm)
D	Unit Base to Top Enclosure (Min.)	63" (1600mm)
G	Vent Centerline Height	56-1/4" (1429mm)

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 CC40RE (in the 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.

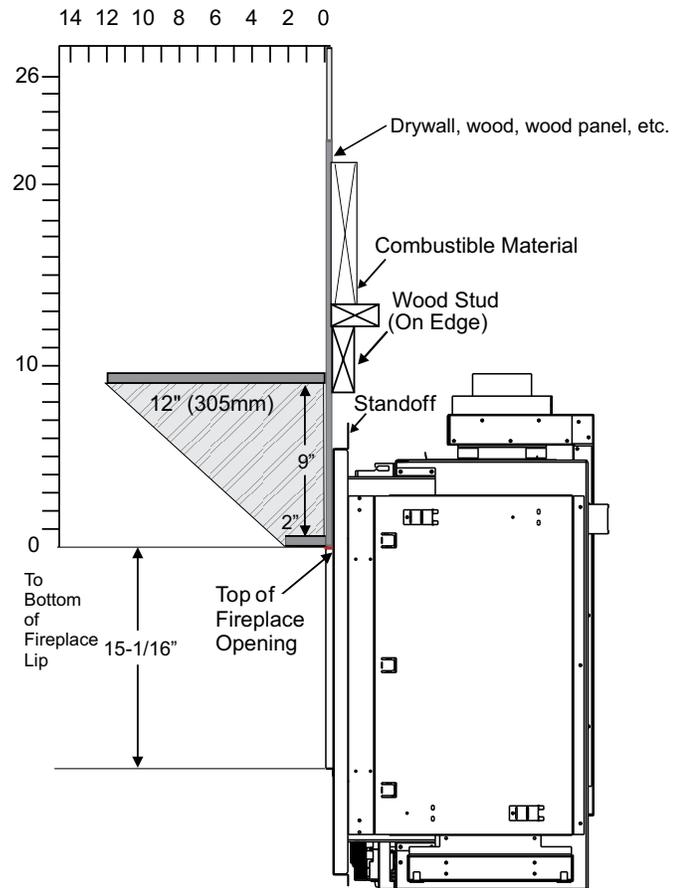


Note: This appliance must be installed on a level and solid surface such as a plywood floor which must be the full width and depth of the appliance.



## MANTEL CLEARANCES CC40RE

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



## WALL BOARD/DRYWALL INSTALLATION CC40LE

**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 CC40LE/CC40RE 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 3/4 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 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.
- 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.

## FRAMING AND FINISHING INSET INSTALLATIONS CC40RE

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

Note: When constructing the framed opening ensure there is sufficient 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. The unit does not have to be completely enclosed in a chase. You must maintain clearances from the vent to combustible materials: See "Clearances" section. Combustible materials can be laid against the side and back standoffs and the stove base.

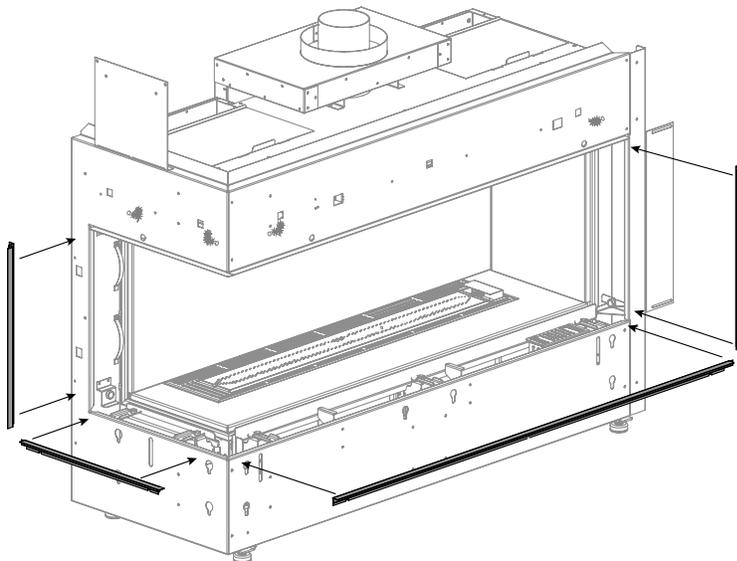
4. Combustible material (drywall, wood, wood panels, etc.) may be brought up to this appliance (top, bottom and sides)

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, sides and bottom to hide the ends of the drywall. The 1/2" side and bottom, front and bottom side lips supplied with the appliance can alternatively be removed 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. Six (6) screws secure the bottom front lip. Two (2) secure the bottom side lips and 2 secure the side if deciding to remove these. These will be hidden so the outer panels (if installed) 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 below for details.

8. The wall behind the unit must be closed off.



Note: an offset screwdriver is provided with the appliance for ease of removal/installation.

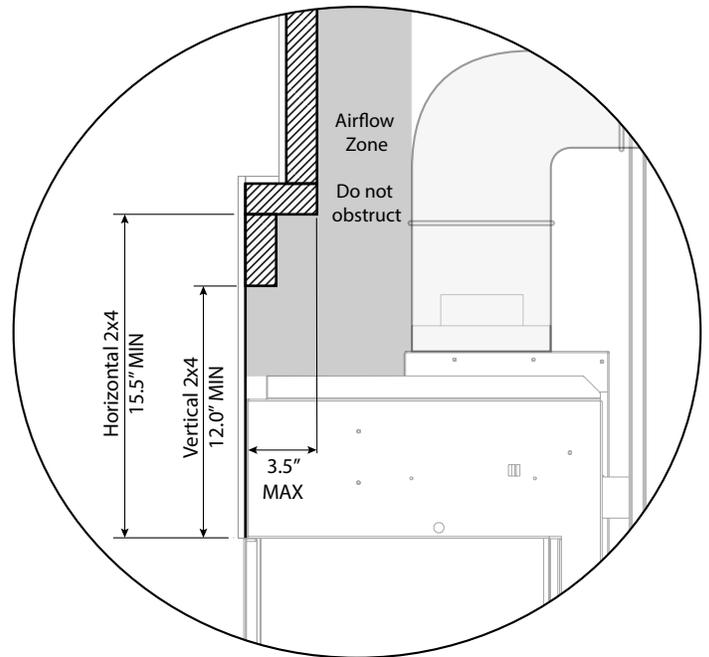
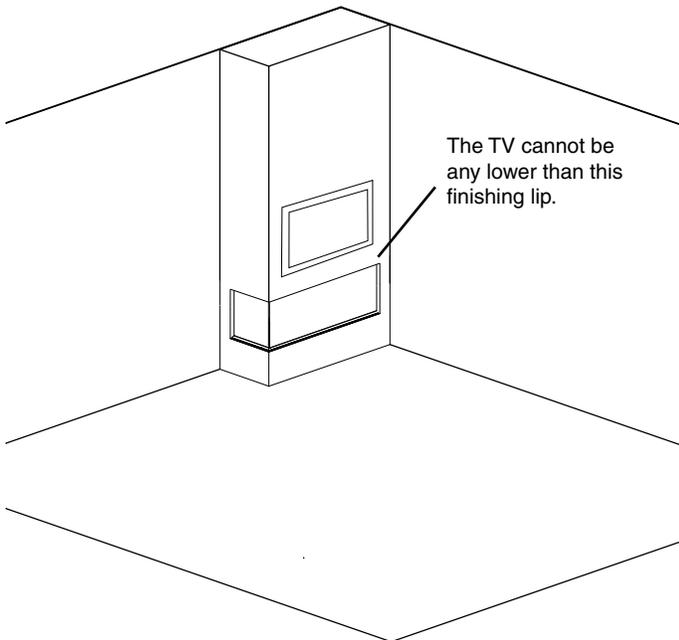
## GUIDELINES FOR INSTALLING A TV/ARTWORK ABOVE THE UNIT

Note: All wiring should stay free and clear of the vent system to avoid damage due to heat. We recommend using a metal receptacle box and BX cable (120 volt wire protected by metal sheathing) if located directly in front of the vent system. Ensure wiring is secured without any sag.

**ZERO CLEARANCE TO TV:** While most consumers prefer to centrally locate a wall mounted TV, the "Cool-Touch Wall Technology" means that the bottom edge of the TV can be installed flush with the bottom edge of the ventilated fireplace chase opening.

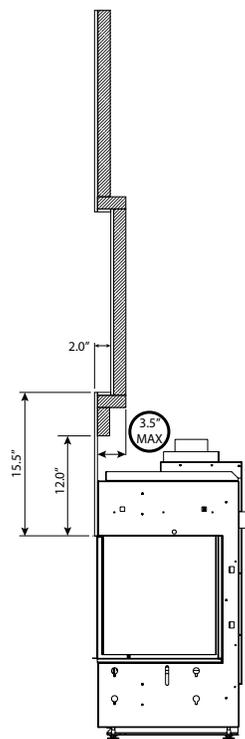
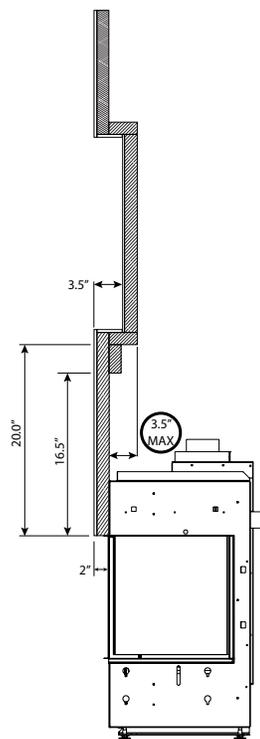
### TV RECESSED INTO WALL

The TV may be recessed into a wall as shown below. This can only recess into the chase opening a maximum of 3-1/2 inches and must be a minimum of 12 inches from the fireplace lip to the first stud. To achieve a maximum of 3-1/2" recess, the wall must be of a maximum of 2" as shown.



Sample Install 1

Sample Install 2



## VENTING INTRODUCTION

The CC40LE uses the "balanced flue" technology Co-Axial system. The inner liner vents products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber thereby eliminating the need to use heated room air for combustion and losing warm room air up the chimney.

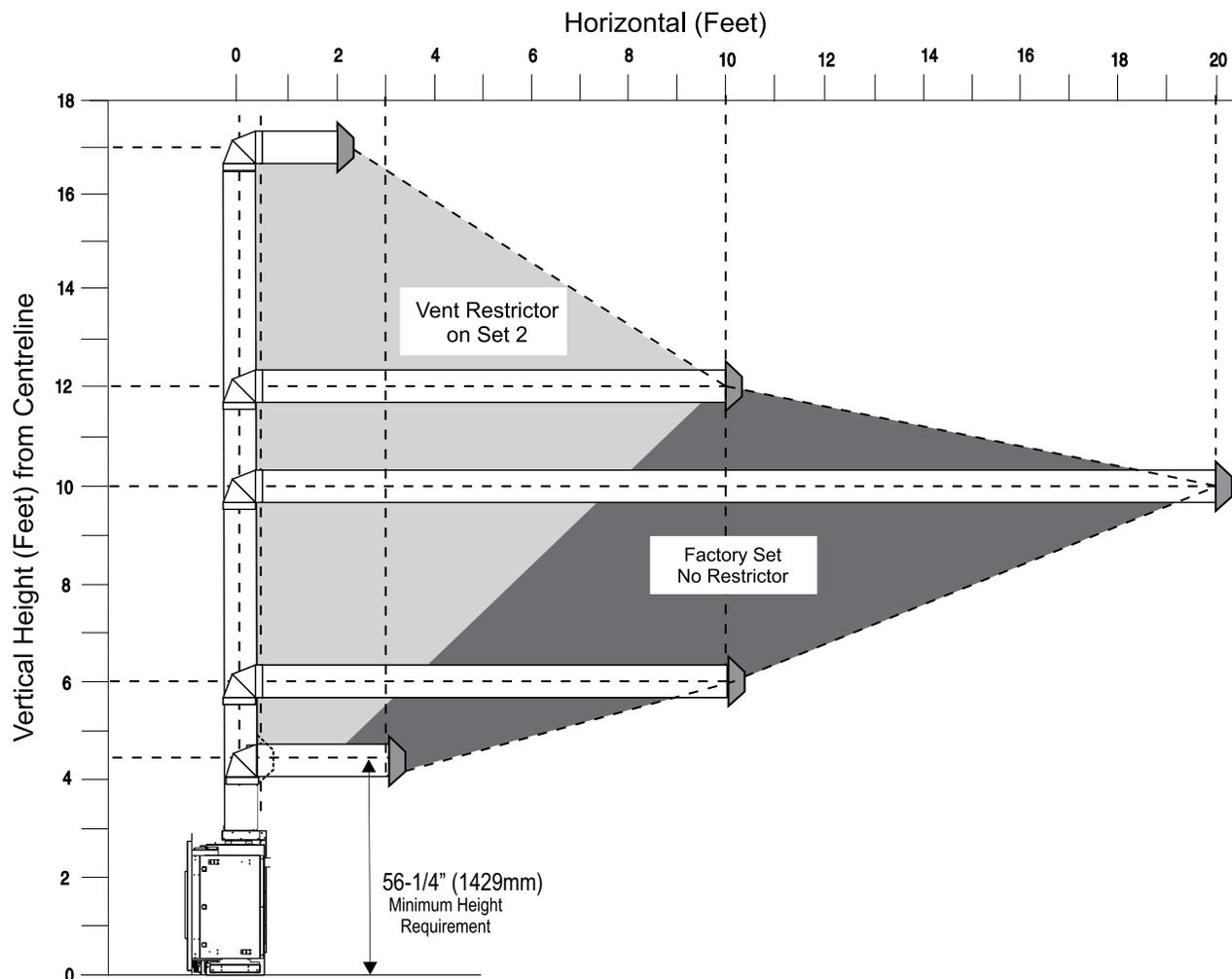
**Note:** These flue pipes must not be connected to any other appliance.

The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas burning appliance. Each direct vent gas appliance must use it's own separate vent system. Common vent systems are prohibited.

## VENTING ARRANGEMENT FOR HORIZONTAL TERMINATIONS

The diagram shows all allowable combinations of vertical runs with horizontal terminations, using one 90° (two 45° elbows equal one 90° elbow).

**Note:** When using rigid vent pie systems, the rigid pipe adapter (Part# 510-994) must be used in all applications.



### VENT RESTRICTOR SETTING:

**Vent restrictor factory set at Set 0.**

Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting of Set 0 to Set 2 if required.

**NOTE:** A minimum of 1' (305mm) vertical off the top of the unit is required before any horizontal runs can start.

**Note:** For horizontal terminations the Regency Direct Vent Flex System may be used for installations with a maximum continuous vent length of up to 10 feet. If longer runs are required, rigid pipe must be used.

- Maintain clearances to combustibles as listed in "Clearances" section
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.
- A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.
- Flex system can only be used up to 10 feet - otherwise rigid venting must be used.

## HORIZONTAL TERMINATIONS RIGID PIPE 4" X 6-5/8"

The diagrams below show examples of horizontal termination arrangements using one, two, or three 90° elbows (two 45° elbows equal one 90° elbow)

1. A maximum of three 90° elbows are permitted.

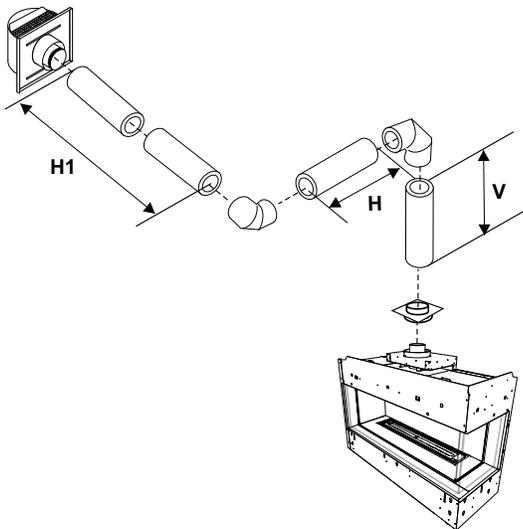
2. Minimum distance between elbows is 1 ft. (305mm).

- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (Part# 510-994) when using rigid pipe vent systems.
- A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.
- Flex system can only be used up to 10 feet - otherwise rigid venting must be used.

### HORIZONTAL VENTING WITH TWO (2) 90° ELBOWS

*One 90° elbow = Two 45° elbows.*

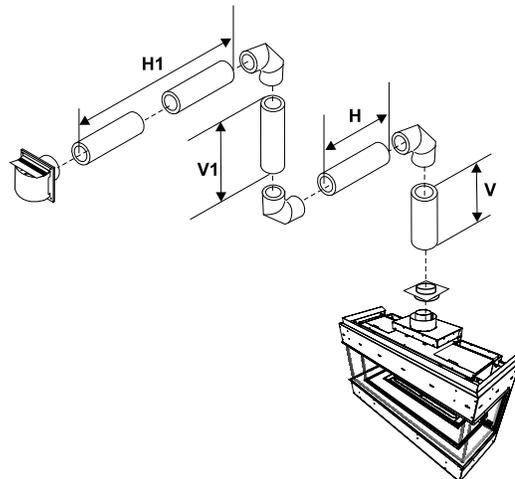
Option	V	H + H1	With these options, maximum total pipe length is 30 feet with minimum of 6 feet total vertical and maximum 8 feet total horizontal.  <b>Please note minimum 1 foot between 90° elbows is required.</b>
A)	1' Min.	2' Max.	
B)	2' Min.	4' Max.	
C)	3' Min.	5' Max.	
D)	4' Min.	6' Max.	
E)	5' Min.	7' Max.	
F)	6' Min.	8' Max.	
Restrictor Set 0 - Factory Setting			



### HORIZONTAL VENTING WITH THREE (3) 90° ELBOWS

*One 90° elbow = Two 45° elbows.*

Option	V	H	V + V1	H + H1	With these options, max. total pipe length is 30 feet with min. of 12 feet total vertical and max. 9 feet total horizontal.  <b>Please note min. 1 foot between 90° elbows is required.</b>
A)	1' Min.	1' Max.	2' Min.	2' Max.	
B)	1' Min.	2' Max.	3' Min.	3' Max.	
C)	2' Min.	2' Max.	5' Min.	4' Max.	
D)	3' Min.	2' Max.	7' Min.	5' Max.	
E)	4' Min.	3' Max.	9' Min.	6' Max.	
F)	5' Min.	4' Max.	10' Min.	7' Max.	
G)	6' Min.	5' Max.	11' Min.	8' Max.	
H)	7' Min.	6' Max.	12' Min.	9' Max.	
Restrictor Set 0 - Factory Setting					



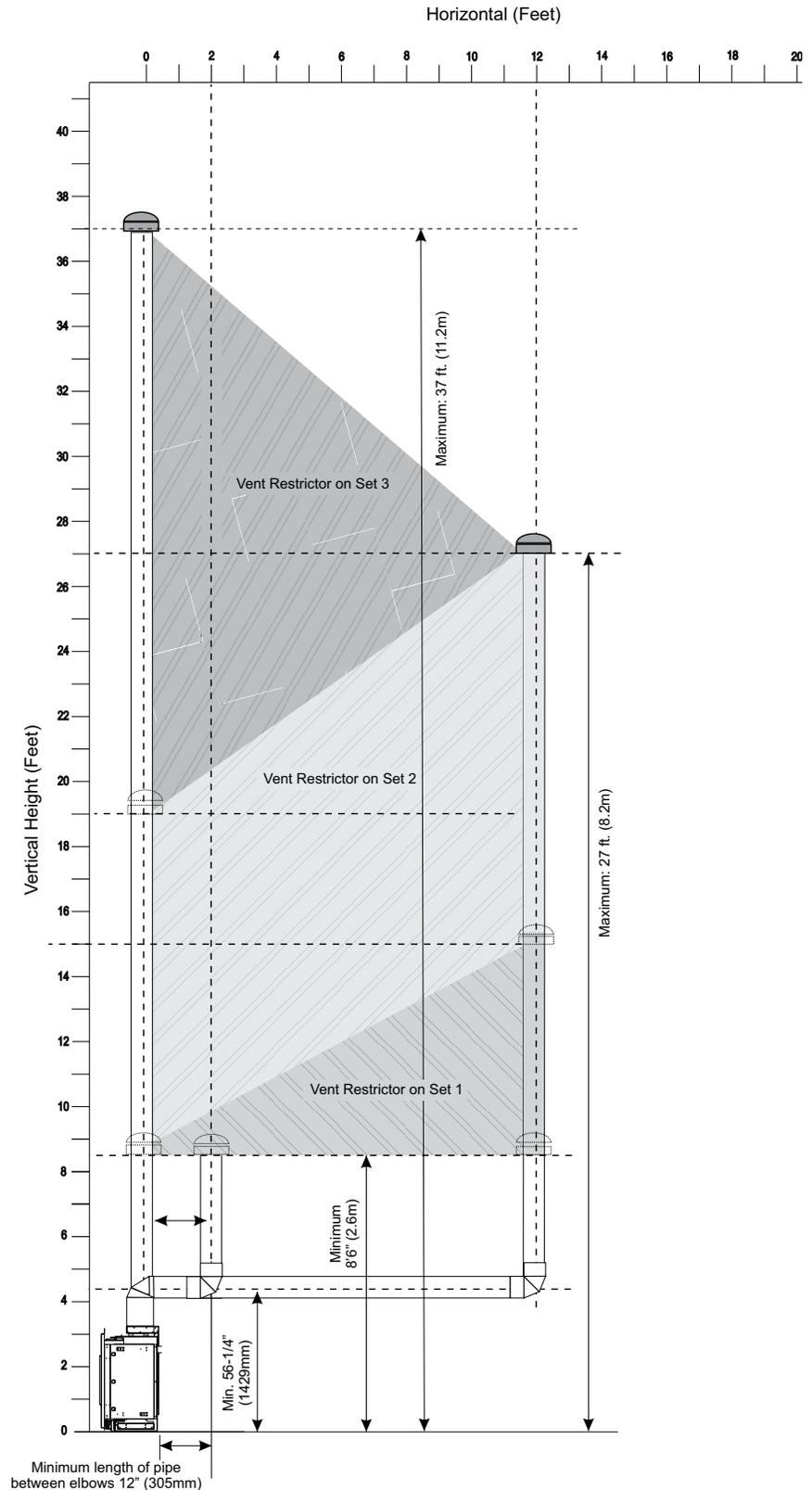
## VENTING ARRANGEMENT FOR VERTICAL TERMINATIONS

### Vertical Venting with straight Vertical venting and or with a max. of two (2) 90° Elbows (1 - 90° = 2 - 45°)

The shaded area in the diagram shows all allowable combinations of straight vertical and offset to vertical terminations, using two 90° elbows, with **Rigid Pipe Venting Systems**.

Two 45° elbows equal to one 90° elbow.

- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (305mm).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (Part# 510-994) when using rigid pipe vent systems.
- Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting of Set 0 through to Set 3 if required.



## VERTICAL TERMINATIONS RIGID PIPE 4" X 6-5/8"

- Two 45° elbows equal to one 90° elbow. Maximum of six 45° elbows allowed.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (305mm).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (Part# 510-994) when using rigid pipe vent systems.

### Vertical Venting with Three (3) 90° Elbows

One 90° elbow = Two 45° elbows.

Option	V	H + H1	V + V1	
A)	1' Min.	2' Max	3' Min.	With these options, max. total pipe length is 30 feet with min. of 10 feet total vertical and max. 8 feet total horizontal.  <b>Please note min. 1 foot between 90° elbows is required.</b>
B)	2' Min.	3' Max	4' Min.	
C)	3' Min.	4' Max	6' Min.	
D)	4' Min.	5' Max	7' Min.	
E)	5' Min.	6' Max	8' Min.	
F)	6' Min.	7' Max	9' Min.	
G)	7' Min.	8' Max	10' Min.	
Lengths do not include elbow indicated				

