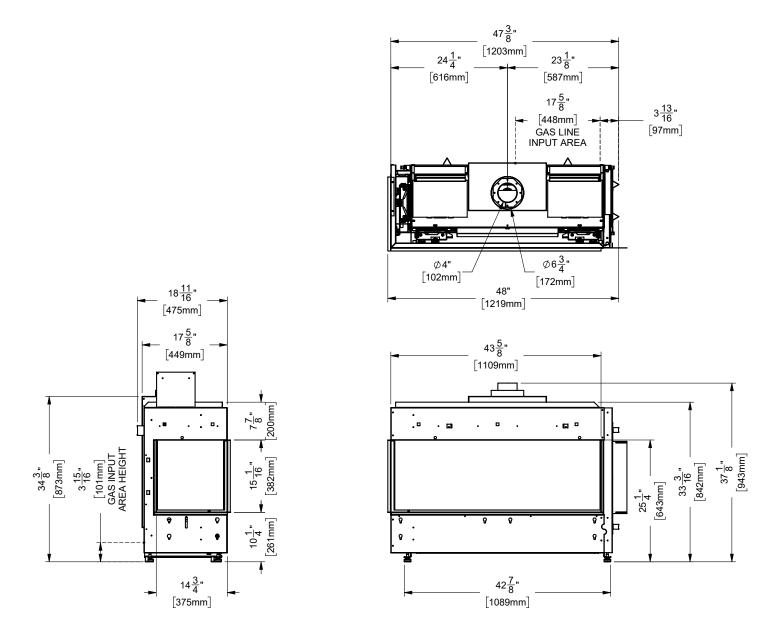


dimensions

Dimensions (Left Corner)



Note: Electrical connection on left hand side of the appliance. A metal receptacle box is supplied/installed with the appliance to make all 120 volt electrical connections.

Note: Height Dimension may vary depending on the height of the leveling legs.

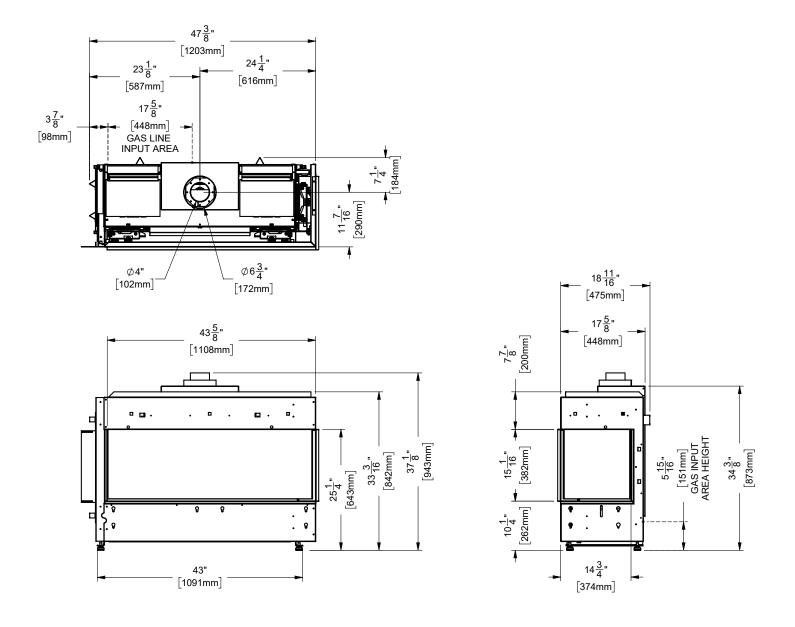
Dimensions will appear as (inches)" / (metric)mm throughout this manual. The inches are rounded to the nearest 1/16" when converted, when greater accuracy is required, use the metric dimensions.

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

Dimensions (Right Corner)



Note: Height Dimension may vary depending on the height of the leveling legs.

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.

installer's information

Installation Checklist

- 1. Locate appliance. Refer to the following sections:
 - a) Locating Your Fireplace
 - b) Clearances
 - c) Combustible Mantel Clearances
 - d) Framing & Finishing
 - e) Venting. See the "Venting Introduction" to "Venting Arrangements" sections.
- 2. Assemble Standoffs. Refer to the "Unit Assembly Prior to Installation" section. (NOTE: must be done before installing unit into fireplace.)
- Install vent. See the "Horizontal Installations" to "Installation Procedures" sections.
- 4. Wire 120 volt AC power to the supplied receptacle box located on lower left hand side of appliance. The Duplex receptacle and receptacle cover are also included and will be located in the manual package. Note: This heater does not require 120 volt AC supply for operation of the burner but is highly recommended as a primary power source to eliminate the need for 4 AA batteries. Batteries should only be used as a secondary power source when power is lost within the home. 120 Volt AC power is also required for operation of the lights.

Note: The wire harness (marked receiver) is located near the gas valve and will need to be routed to the exterior of the fireplace from either the left or right hand side of the appliance prior finishing.

- Install junction box supplied with appliance. Install remote battery box inside of junction box. Hook battery box to wire marked receiver. This will enable operation of the burner. If 120 Volt AC power was brought to appliance, batteries are not required.
- Make gas connections. Test the pilot. Must be as per diagram. Refer to the "Gas Line Installation" & "Pilot Adjustment" sections.
- 7. Install standard and optional features. Refer to the following sections where applicable:
 - a. Safety Glass
 - b. Firebox (inner) glass
 - c. Log Set
 - d. Fireglass
 - e. Ceramic stones or other approved media f. Painted, enamel or glass panels (panels
 - required)
 - g. Optional Framing Kit
 - h. HeatWave Kit
- 8. Plug 3 prong plug for the lights into the receptacle. The 3 prong plug will be located near the gas valve on the appliance.
- 9. Final check.

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and operation fully explained to customer.

This includes:

- Clocking the appliance to ensure the correct firing rate (rate noted on label 28,500 Btu/h NG/ LP) after burning appliance for 15 minutes.
- 2. If required, adjusting the primary air to ensure that the flame does not carbon. First allow the unit to burn for 15-20 min. to stabilize.

CAUTION: Any alteration to the product that causes sooting or carboning that results in damage is not the responsibility of the manufacturer.



HeatWave Duct System Optional Kit

The *HeatWave* Air Duct Kit increases the effectiveness of your fireplace by dispersing warm air from the fireplace to remote locations in the same room or other rooms in your home.

Up to two kits may be installed on the fireplace.

Please Note: One adaptor kit #656-995 must be used with each 946-556.

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

Note: If using the optional Heatwave kit, this does not reduce the size of the ventilation opening The ventilation opening must be a minimum 120 square inches regardless.

Nailing Strips

Nailing strips are shipped folded flat against the unit. Fold nailing strips out 90° before installing unit. Secure nailing strips to framing using wood or metal screws.

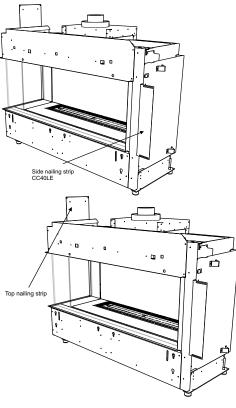
Top Nailing Strip

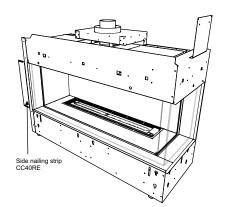
Nailing strip is shipped with the appliance and will need to be attached. Note that the nailing strips are not required if using the optional chase or extended framing kit and may be recycled.

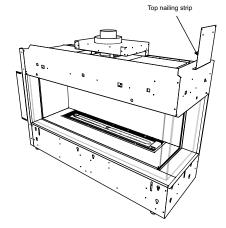
- 1. Secure nailing strip to appliance with 2 screws.
- 2. Secure nailing strips to framing using wood or metal screws.

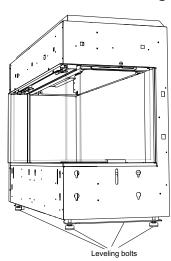
Levelling Bolts

There are four levelling bolts - two on each side that can be adjusted if required.





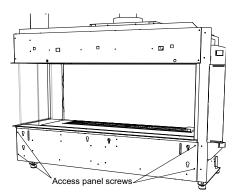




Access Panel Removal

The front access panel may be removed for ease of hooking up gas and electrical. Once complete ensure that the access panel is reinstalled prior to any finishing.

The CC40LE/CC40RE has 4 screws to remove access cover. See locations in diagram to the right.



installer's information

Ventilation Openings

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 120 square inches regardless.

Front Exit

The ventilation opening may be placed in front ensuring it meets the 120 square inch opening & is located 0-3" (76mm) 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 120 square inches of free open area.

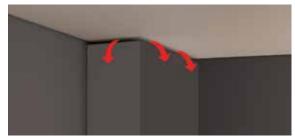
Example: 6" (152mm) wide x 10" (254 mm) High = 60 square inches of free open area. A second ventilation grill is installed in front to =100%.

The ventilation openings must be located 0-3" from the enclosure ceiling.



Top Exit

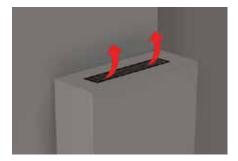
The ventilation opening may be short of the ceiling as shown below. Minimum width/depth of chase x height is measured from top of enclosure to the ceiling and must be in open in front and side to meet the minimum 120 square inches free open air requirement.



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 120 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 0-3" from the top of the chase enclosure for all installations.

Minimum height of enclosure from base of appliance is 63".

A minimum 120in² 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 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:

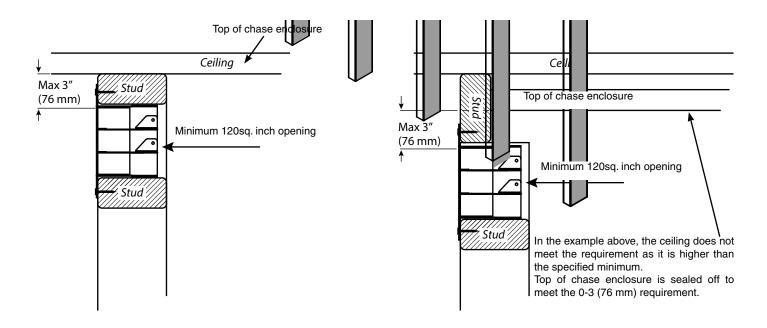
a. If choosing drywall, ensure that the drywall is butt up tight with no gaps.

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.

Warning: DO NOT cover or place objects in front of the ventilation opening air outlet(s).



Clearances

The clearances listed below are minimum distances unless otherwise stated:

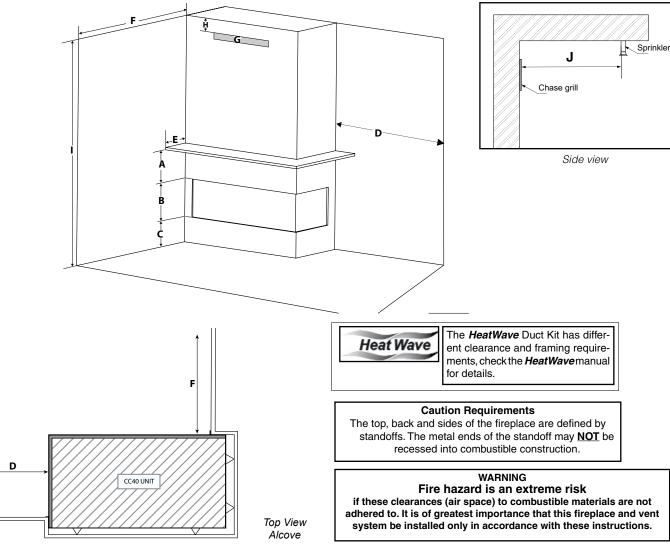
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

Note: CC40LE shown in illustration. Clearances will be the same for the CC40RE.

Clearance: single sided	Dimension	Measured From:
A: Mantel Height (min.)	**	Top of Fireplace Opening
B: Opening Height	15-1/16" (382mm)	Bottom/Top of Fireplace Opening
C: From Floor	Min. 0"	Bottom of Fireplace Opening
D: Sidewall (on one side)	Min. 36" (914mm)	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	*	Top of Enclosure
H: Convection Air Outlet Opening Offset	0-3" (76mm)	Max. offset from top of chase enclosure
I: Chase Enclosure (Min.)	63" (1600mm)	From Base of Unit
J: Clearance to sprinkler head (Min.)	36" (914mm)	Perpendicular from chase grill
Hearth	0"	No hearth required
** See mantel clearances chart in this manual.		

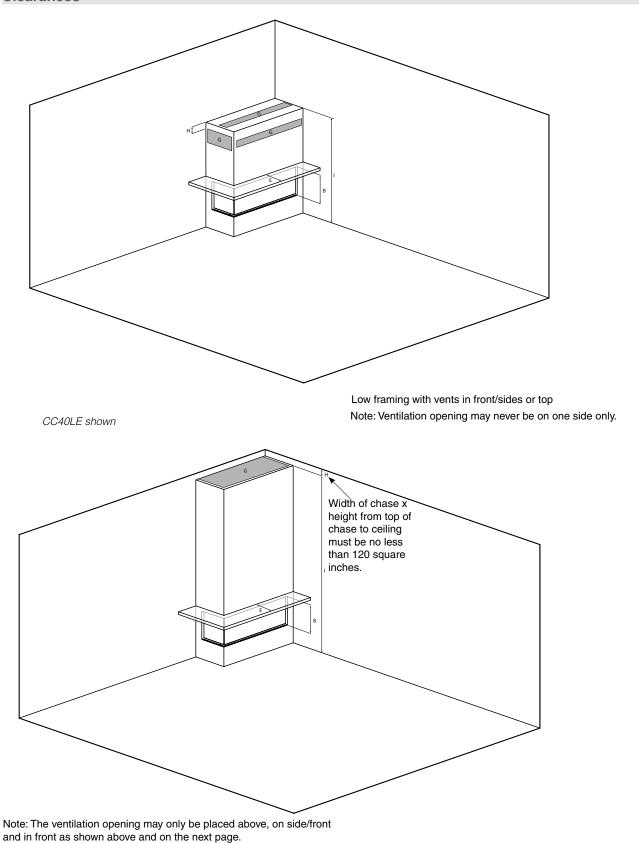
Flue Clearances to Combustibles	
Horizontal - Top	3"
Horizontal - Side	2"
Horizontal - Bottom	2"
Vertical	2"
Passing through wall/ floor/ceiling - when firestop is used.	1-1/2"

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



30 I City Series CC40E-11

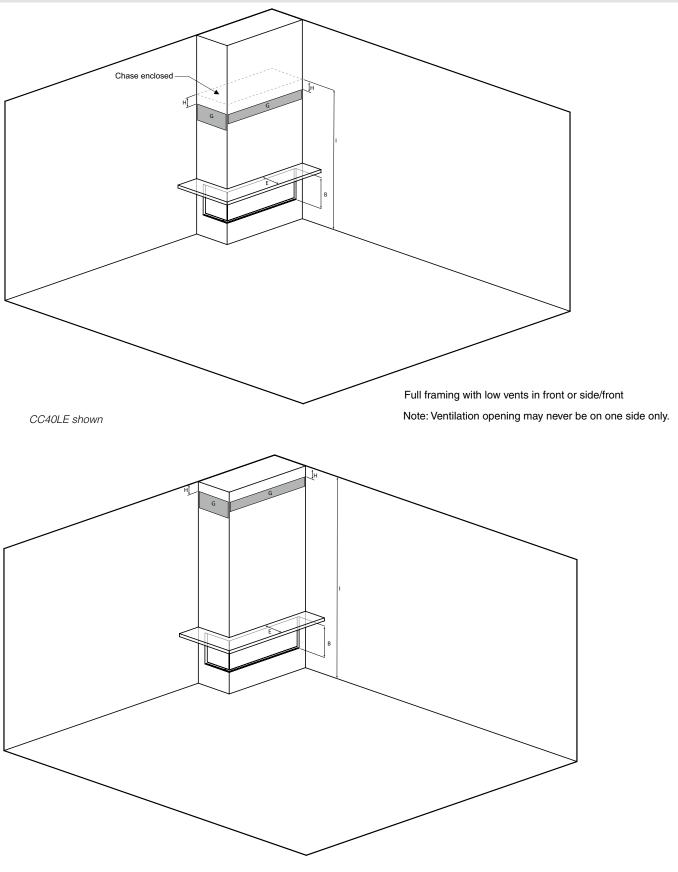




Ventilation grills can never be placed behind the appliance.

Floor to ceiling with top opening

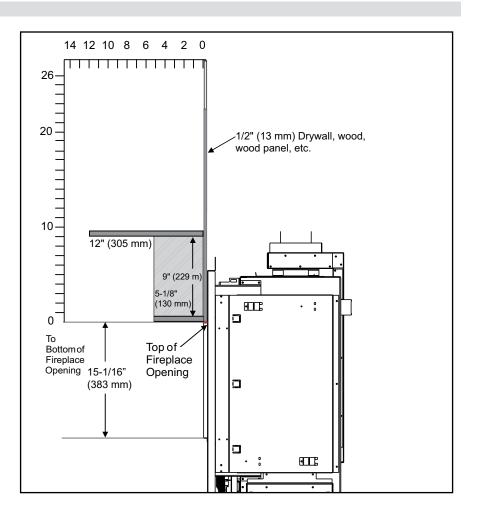
Clearances



CC40LE shown

Mantel Clearances

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



Framing Dimensions (Left Corner)

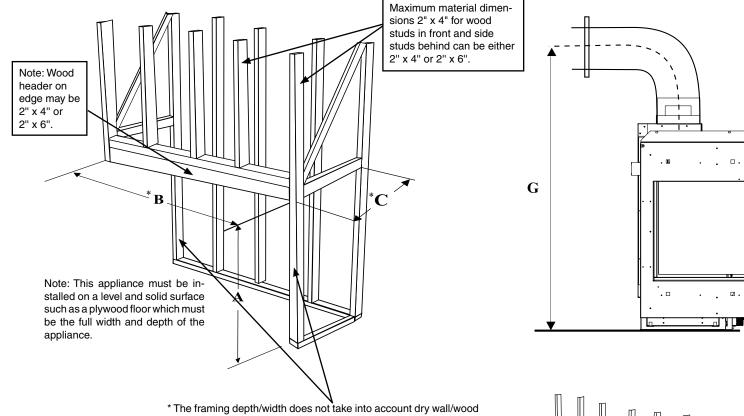
NOTE: Framing may be constructed of combustible material (ie. 2 x 4)and does not require steel studs.

Framing Dimensions	Description	CC40LE	
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)	

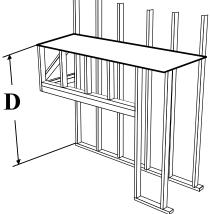
Note: A combined minimum of 20 square inches of open area s required for the convection air putlet to cool the enclosure. Ensure clearances for Convection Air Dutlets are met.

See clearances CC40LE/CC40RE (single sided) 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.



or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material (example: B - 48 1/4" framing width +1/2" drywall = 48 3/4") (example: C - 19" framing depth +1/2" drywall = 19 1/2")



Framing Dimensions (Right Corner)

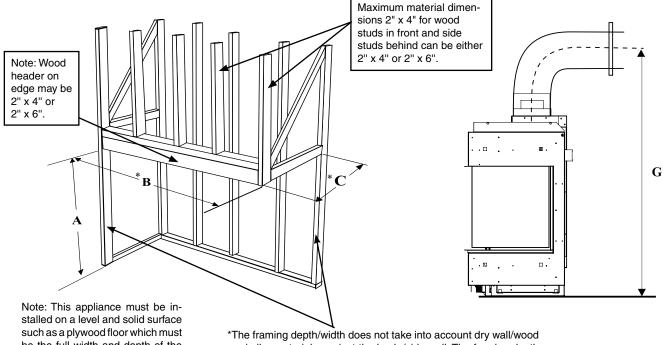
NOTE: Framing may be constructed of combustible material (ie. 2 x 4)and does not require steel studs.

Framing Dimensions	Description	CC40RE
А	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.

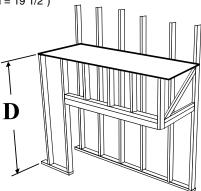
See clearances CC40RE (in this manual) as there are different methods as to how this can be achieved.

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



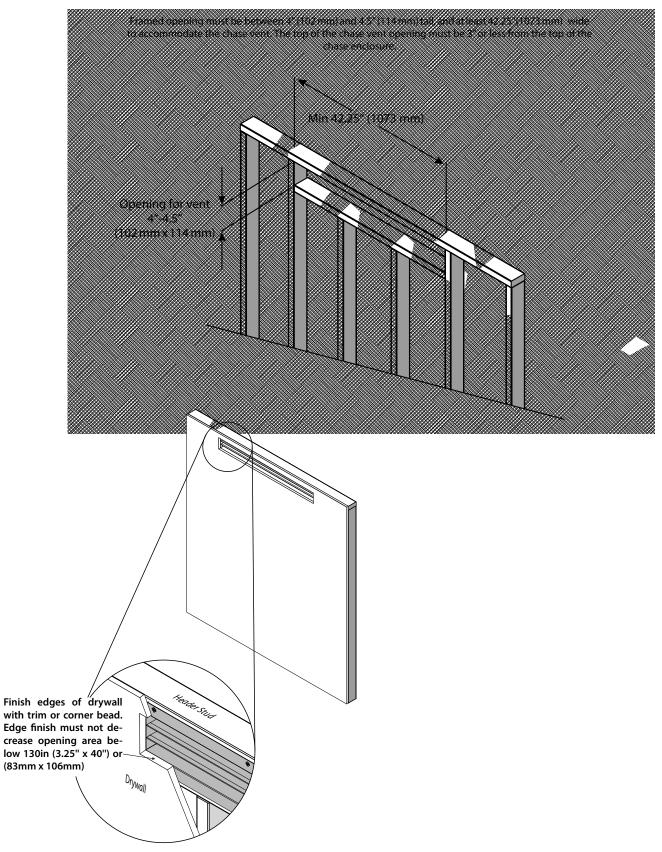
be the full width and depth of the appliance.

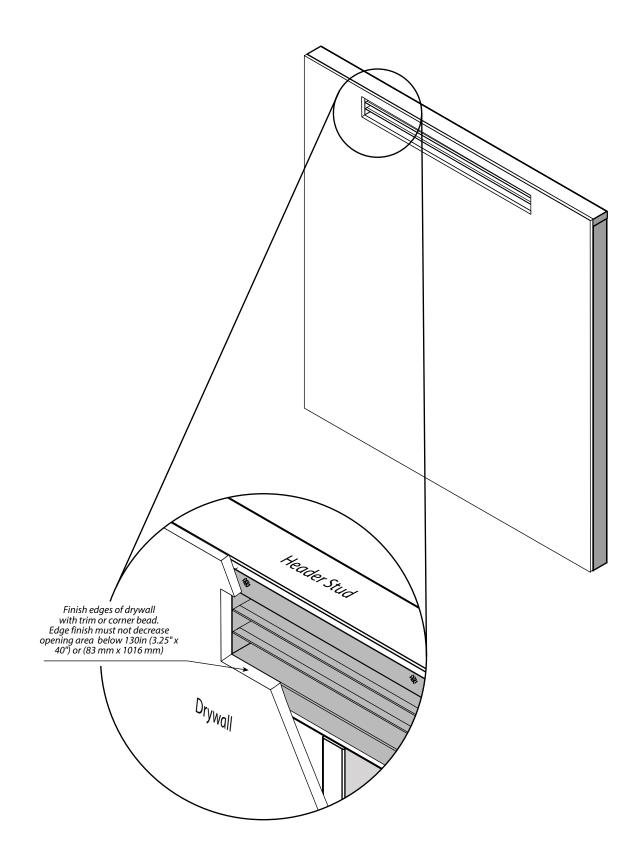
or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material (example: B - 48 1/4" framing width +1/2" drywall = 48 3/4") (example: C - 19" framing depth +1/2" drywall = 19 1/2")

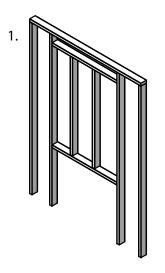


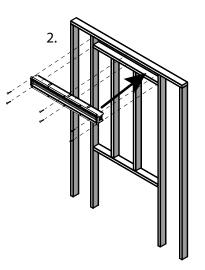
Optional Flush Front Chase Vent Installation - Part #657-991 (White)

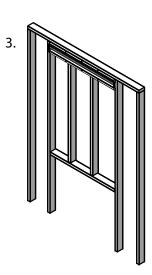
This optional flush front chase vent grill is designed so that only the grills are exposed. The 4 flanges in front which secure the chase vent grill to the stud work are covered by the drywall to give a seamless look.







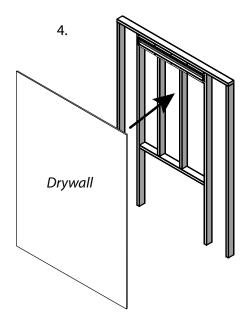


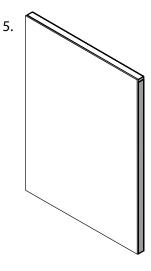


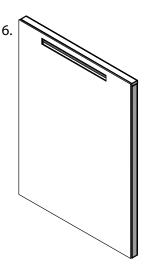
Frame opening for vent (See Vent Framing Clearances Page)

Screw Chase vent to Framing

Use at least 3 sets of screws to keep the vent flat against framing







Frame wall with finishing material

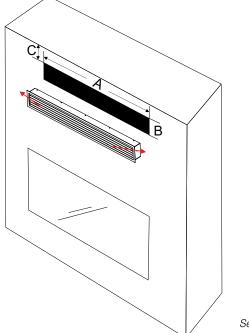
If necessary, mark where the chase vent is located before fixing drywall in place Cut hole in finishing material around inside of chase vent. Finish edges around opening

Optional Front Grill Installation - Part #656-991 (Black)

This optional grill meets the requirement of the 120 square inches required for the enclosure in all installations and is designed to keep the enclosure cool. In this application, both the flange and screws to secure the grills are exposed as this grill is designed to be installed after the finished facing has been placed on the wall.

To install the front grill - frame an opening of 4-3/8" H x 39-1/8" W (111mmm H x 994mm W).

The finished facing material should be attached and be the same size as the framed opening to eliminate gaps. Install the grill and secure in place with one screw on either side, installed from the front.



	DIMENSIONS
А	39-1/8" (994mm)
В	4-3/8" (111mm)
С	Maximum 3" (76mm) from top of enclosure.

Secure with screws from the front through the sides.

Optional Side Grill Installation - Part # 656-992 (Set of 2/Black)

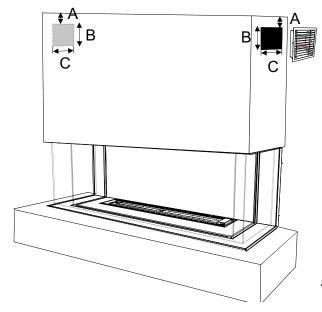
These optional grills meet the requirement of the 120 square inches required for the enclosure in all installations and are designed to keep the enclosure cool. In this application, both the flange and screws to secure the grills are exposed as this grill is designed to be installed after the finished facing has been placed on the wall.

To install the side grills - frame an opening of 8-5/16" H x 8-5/16" W (211mm H x 211mm W).

The finished facing material should be attached and be the same size as the framed opening to eliminate gaps.

Install the grill and secure in place with one screw on either side, installed from the front through the louvers.

Repeat steps to install the second grill to the other side of the chase.



	DIMENSIONS
А	Maximum 3" (76mm) from top of enclosure.
В	8-5/16" (211mm)
С	8-5/16" (211mm)

Unit may not be exactly as shown, but the drawing dipicts the process.

Secure with screws through louvers to the sides.

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 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.

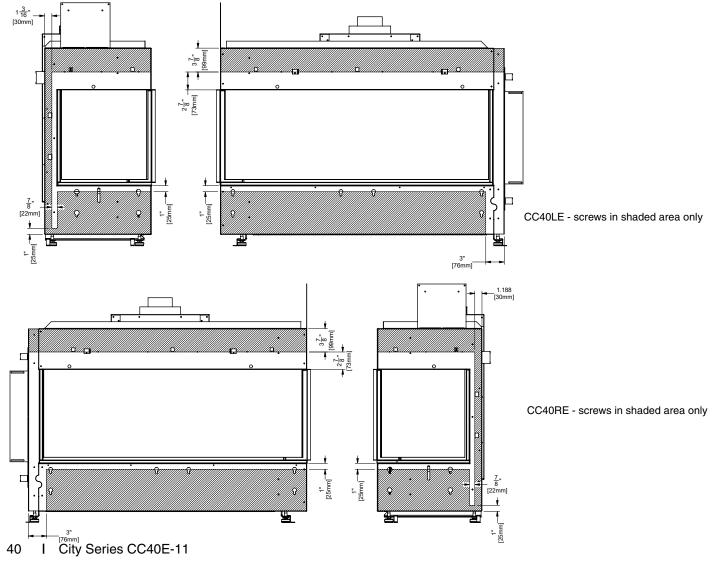
• Facing materials may be combustible or non-combustible

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

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.

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/through 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.

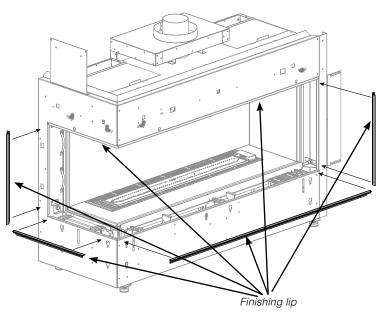
As this appliance has been designed with all hot air escaping through the chase enclosure ventilation / grill openings only, if hot air is trapped as a result of the hot air escaping through joints, crevasses, open studs, or other openings within the enclosure above, this will change the clearances within 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.

Warning: DO NOT cover or place objects in front of the ventilation opening air outlet(s).

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



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

**Combustible material may extend a minimum of 1/2" and to a maximum of 5-1/8" (130mm) from the Front top. See mantle clearance chart for details. The base and side (with smaller glass) have no limit when it comes to how far the combustible material may extend out from the appliance. Ensure that no material encroaches anywhere in the area of the glass as these are defined by the finishing lip above, below and to the sides of this appliance.

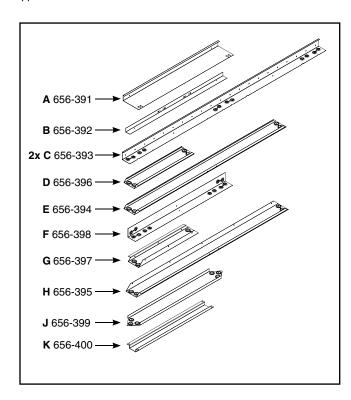
Optional Framing Kit Installation (Part # 656-953)

To watch the framing kit installation video click here http://bit.ly/2qvHlsE

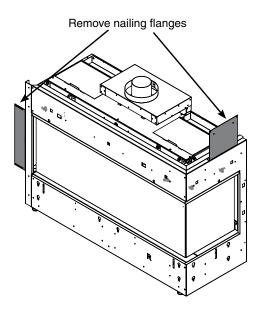
This framing kit is for the CC40LE/CC40RE. The parts are adaptable so the same kit can be installed on either the right or left side units.

NOTE: CC40RE SHOWN IN DIAGRAMS

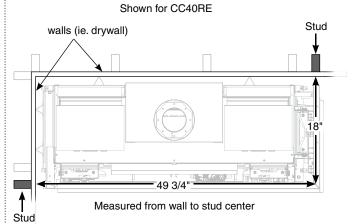
Installation is the same for CC40LE, please note that images will appear flipped.



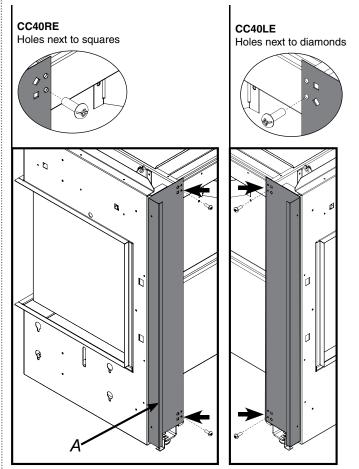
Unit nailing strips are not required and can be recycled when using the framing kit.



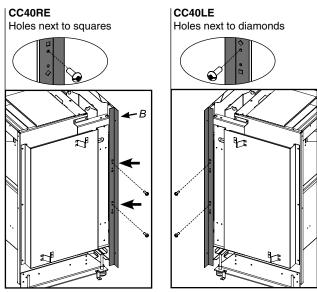
1. This framing kit requires the installation of two studs at locations shown below. Be sure to install studs and walls to enclose chase (see Unit Manual) prior to moving the unit into position.



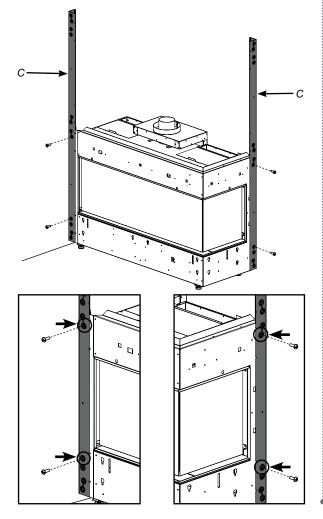
2. Begin with the unit away from the wall. Install part A to the back of the unit using holes next to appropriate shape (diamond or square depending on which unit you have) using the diagrams below. Attach to the back of the unit using 2 screws in locations shown below.



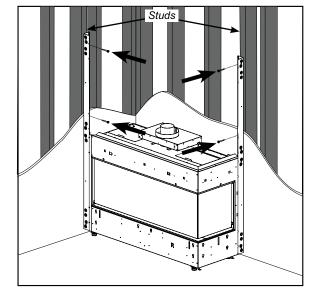
NOTE: CC40LE use holes corresponding with diamond shape. CC40RE use holes corresponding with square shape. **3**. Install B to the side of the unit, use the holes corresponding with the appropriate shape (diamond or square depending on which unit you have) using the diagrams below. Attach B to the side of the unit and install 2 screws in locations shown below.



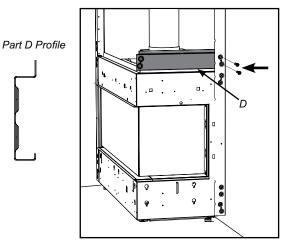
4. Install 2 x part C's onto parts A & B respectively, identify the holes to be used, attach to the unit with 2 screws each.



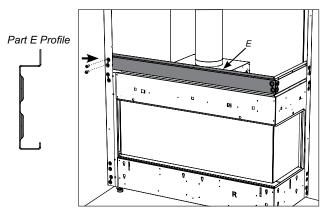
5. Slide unit against wall and line up part C's with studs in the wall. Attach both part C's to studs with at least two screws each; one at the top, and one near the unit (as seen below).



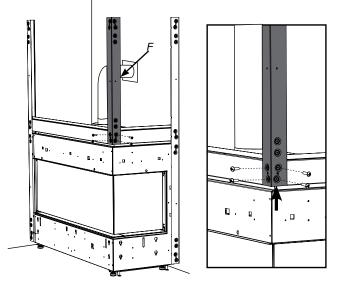
- **6.** Install venting before proceeding further with framing kit construction. Refer to manual for venting instructions.
- 7. Identify D, attach to back corner C with 2 screws as shown below.



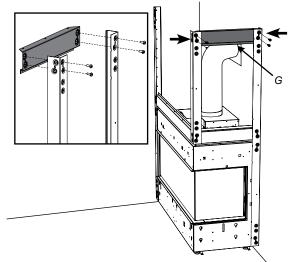
8. Identify E (see diagram below), attach E to front corner C with 2 screws as shown below.



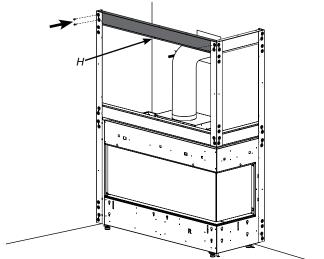
9. Identify F and attach to both E and D with 2 screws on each side.



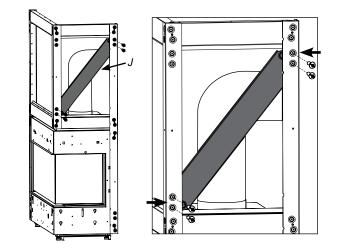
10. Identify G and attach to back corner C and front corner F with 2 screws on each side.



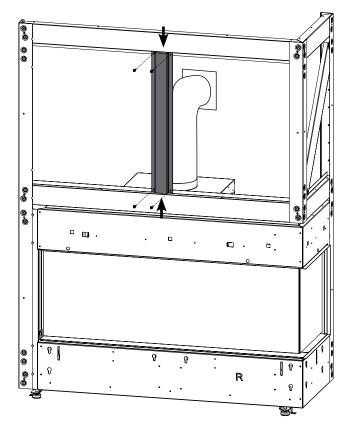
11. Identify H and attach to both front corners C and F with 2 screws on each side.



12. Identify J (diagonal support) and attach to back corners C and front corner F with 2 screws on each side.



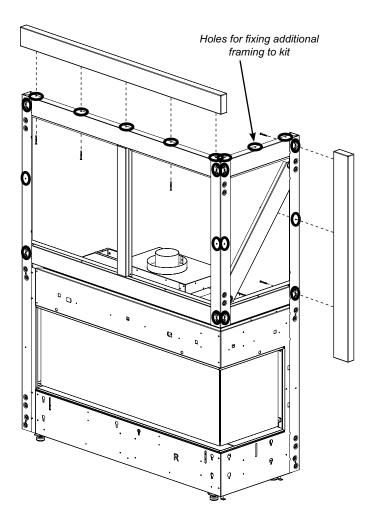
13. Attach K (center support) to E and H with 2 screws each.

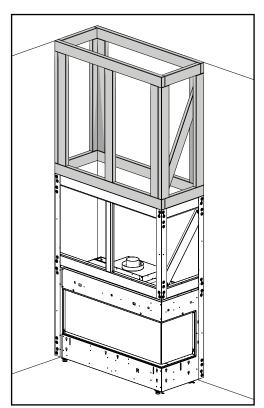


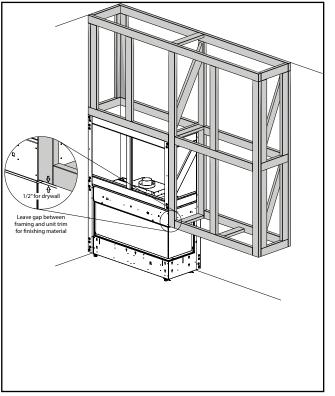
Building Additional Framing Off of the Framing Kit

This framing kit is designed as a base in which to build additional framing. Studs can be affixed to all outer faces using the holes identified below. This will provide a stable surface that is flush with the front of the fireplace, ready for drywall or other finishing material.

The framing must be strong enough to support the weight of all finishing material and must not put any weight on the fireplace.



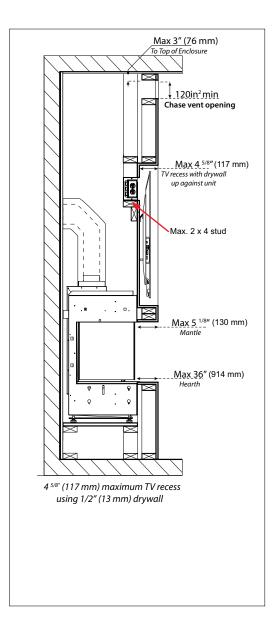




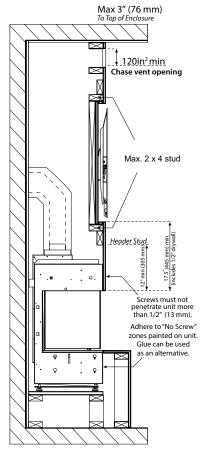
Potential Wood Framing installs

TV Recessed into Wall-Typical Installs

Maximum TV Recess



TV Flush with Hearth



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