MUST READ BEFORE FRAMING

IMPORTANT INFORMATION

EST. 2004

ontario hearth ltd.

Regency City Series San Francisco Bay 40

CB40E-NG11 / CB40E-LP11

FRAMING

DIMENSIONS

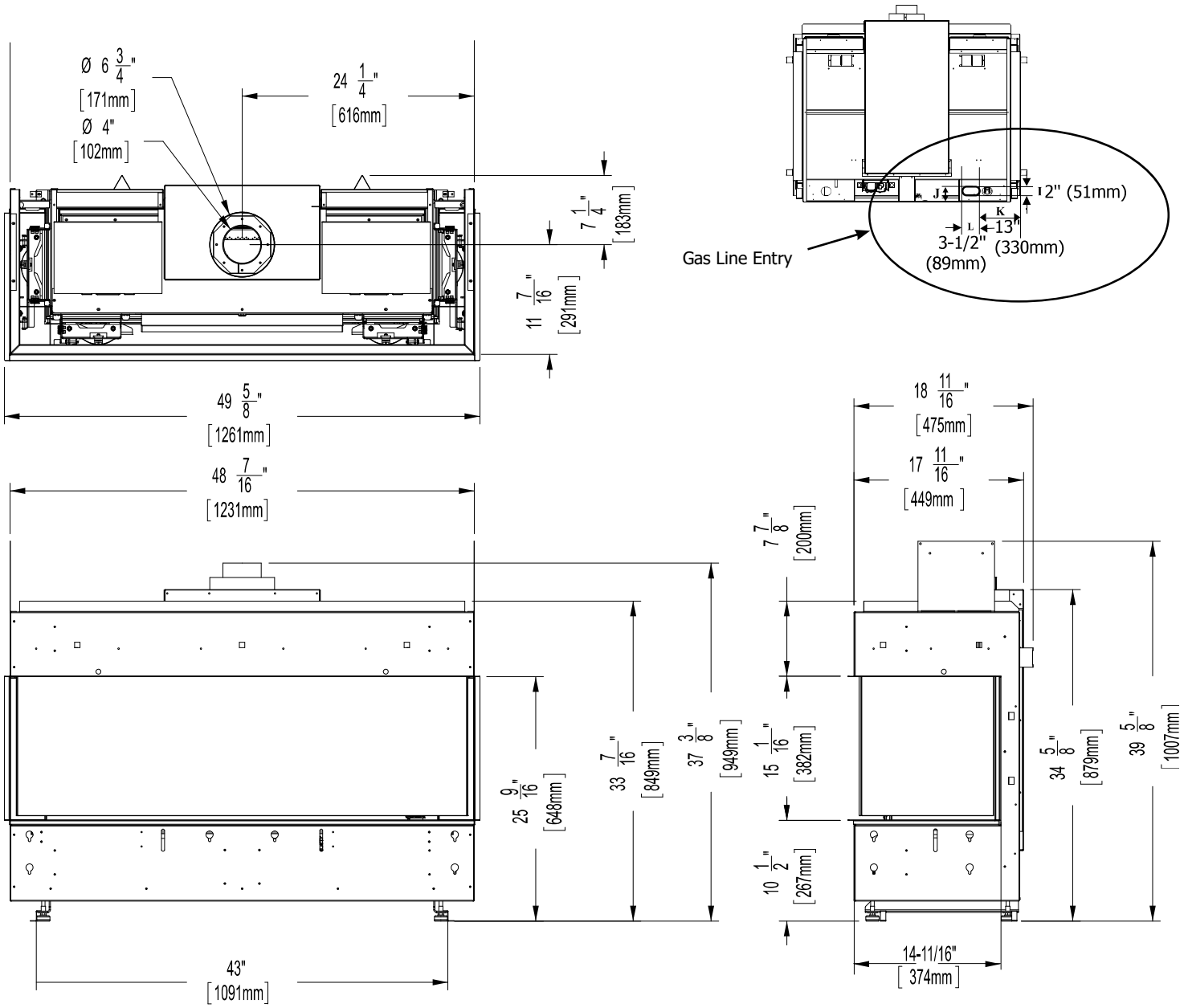
SPECIFICATIONS

HEAT RELEASE REQUIREMENTS

QR LINK FOR
PDF DIGITAL COPY
OF SPECIFICATIONS:

dimensions

Dimensions (3 sided)



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.

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 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 120 square inches of free open area.

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

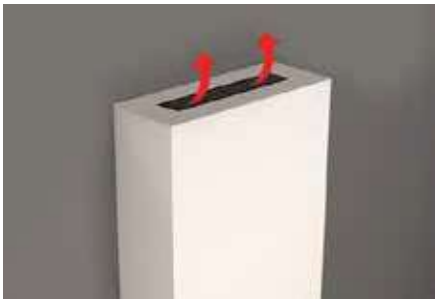
The ventilation openings must be located 0-3" from the enclosure ceiling.

Top Exit

The ventilation opening may be short of the ceiling as shown below. Minimum opening height must be 1-1/2" (38 mm) measured from top of enclosure to the ceiling and must be in open in front and both sides 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 120in^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 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:

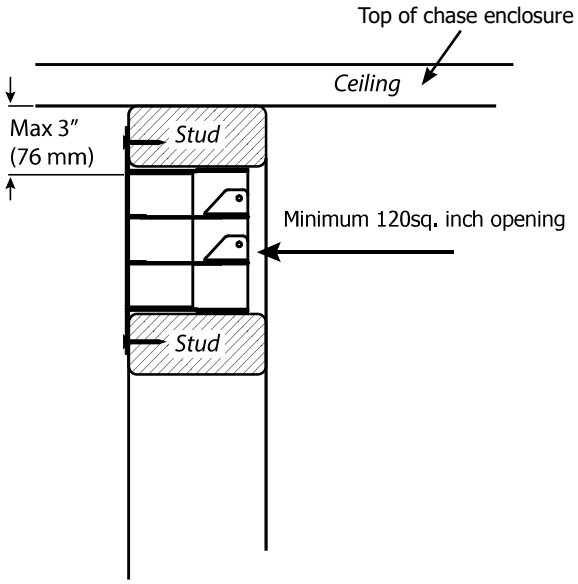
a. If choosing drywall, ensure that the drywall is butt up tight with no gaps.

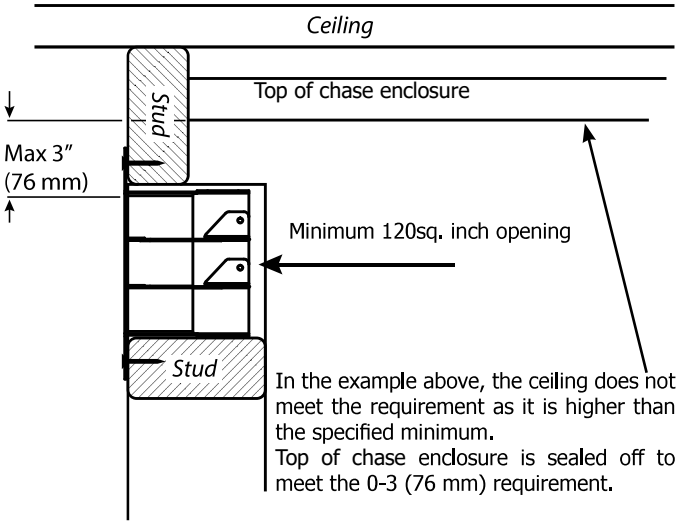
b. Plywood, wood studs, etc. installed tightly with no gaps.

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).





Locating Your Gas Fireplace

1. When selecting a location for your fireplace, ensure that the clearances are met.

2. The appliance must be installed on a flat, solid, continuous surface For example a wood, metal or concrete floor or in a raised (on the wall) application. The appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.

3. The CB40E Direct Vent Gas Fireplace can be installed framed out into the room as in D and E. See Diagram 1.

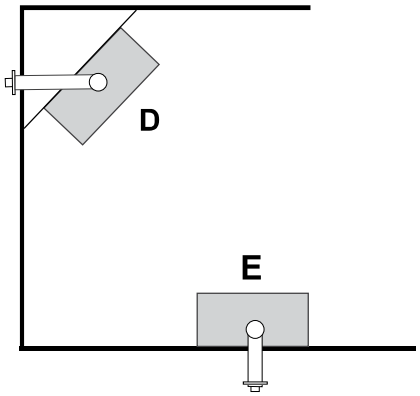


Diagram 1

D) 3 sided-CB40E (corner install)
E) 3 sided-CB40E

4. For bedroom installations, check with local codes before installation. This appliance is offered with a remote control.

5. The CB40E Direct Vent Gas Fireplace is approved for alcove installations, see "Clearances" section for details.

6. We recommend that you plan your installation on paper using exact measurements for clearances and floor protection before actually installing this appliance. Have an authorized inspector, dealer, or installer review your plans before installation.

Note: For vent terminations refer to "Exterior Vent Termination Locations" section.

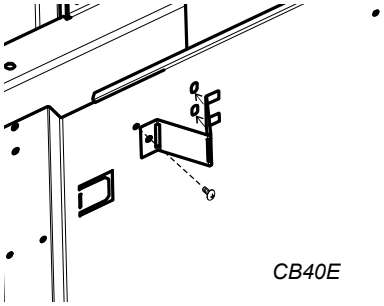
Unit Assembly Prior to Installation

Before you start

The CB40E has only 2 standoffs at the back that need assembly before installation.
WARNING! Risk of Fire! Comply with all minimum clearances.

Back Standoff Assembly CB40E

Take each standoff off the unit by removing one screw. Bend into the correct shape (see above). Slot the 2 tabs of the stand off into the slots in the unit and attach the other end with one screw.



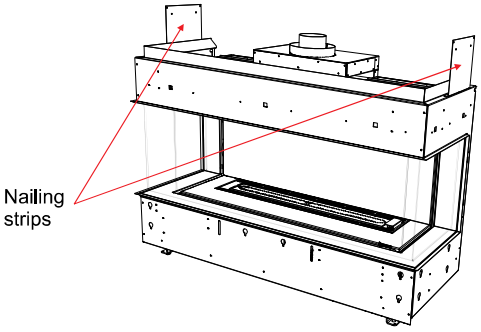
CB40E

Nailing Strips CB40E

Nailing strips are 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.

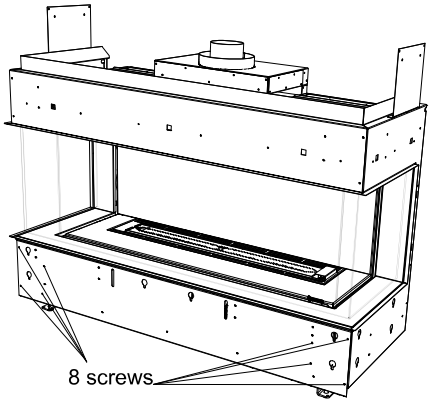
1. Secure nailing strip to appliance with 2 screws per side.

2. Secure nailing strips to framing using wood or metal screws.



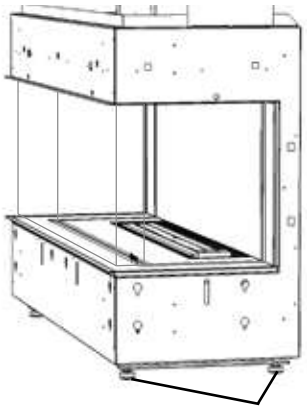
Access Panel Removal

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 CB40E has 8 screws to remove access cover. See locations in diagrams to the right.



Levelling Bolts

There are four levelling bolts - two on each side that can be adjusted if required.
These can be adjusted using the open end wrench provided with the manual package.



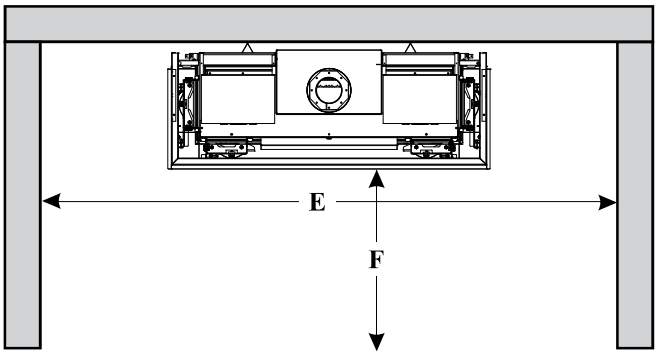
Levelling bolts

Clearances

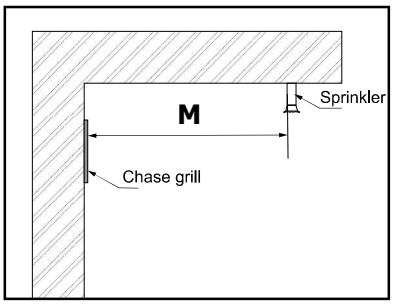
Clearance: 3 sided	Dimension	Measured From:
A: From Floor	Min. 0"	Bottom of Fireplace Opening
A1 : Mantel Height (min.)	**	Top of Fireplace Opening
B: Sidewall (on one side)	8-1/2" (216mm)	Side of Fireplace Opening
C: Enclosure Width (min.)	48-7/16" (1230mm)	Minimum inside dimensions
D: Mantel Depth (max.)	**	
E: Alcove Width	84" (2134mm)	Side wall to side wall (min.)
F: Alcove Depth	36" (914mm)	Front of Unit
G: To Enclosure Ceiling (min/max)	0-3" (0-76mm)	From top of enclosure
H: Convection Air outlet	120 sq. inches (min)	* Top/front or side of enclosure
I: Enclosure Depth (min.)	19" (483mm)	Minimum inside dimensions
J: Opening Height	15-1/16" (383mm)	Bottom/Top of Fireplace Opening
K: To Ceiling (min) All 3 sides	1-1/2" (38mm)	To Top of Ceiling
L: Chase Enclosure (min.)	63" (1600mm)	From base of unit/floor
M: 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" (76mm)
Horizontal - Side	2" (51mm)
Horizontal - Bottom	2" (51mm)
Vertical	2" (51mm)
Passing through wall/ floor/ceiling - when firestop is used.	1-1/2" (38mm)

** A minimum of 120 square inches of open area, not lower than 3" (76 mm) from top of enclosure, required for all installations — this can be achieved by having an open area in front, each side, and/or above as shown in the four diagrams on the next page.*



Alcove



Side view

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

Caution Requirements

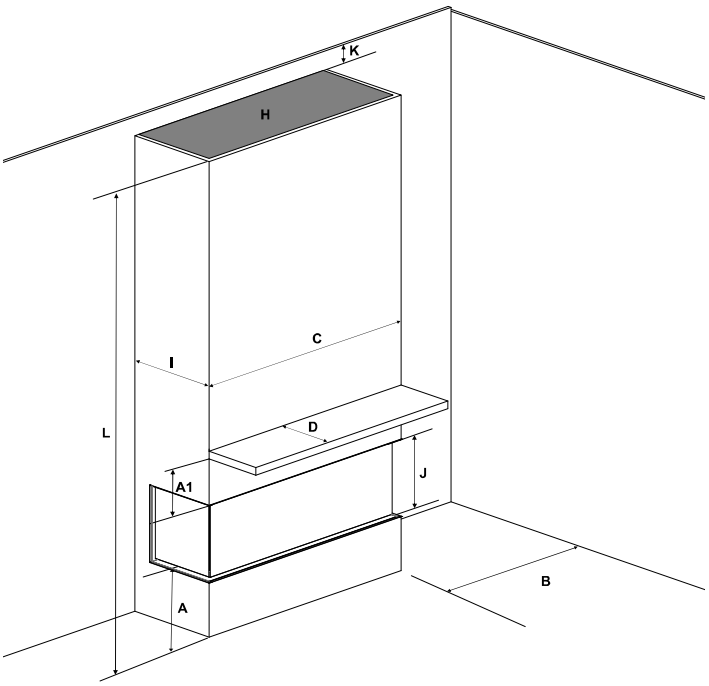
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING

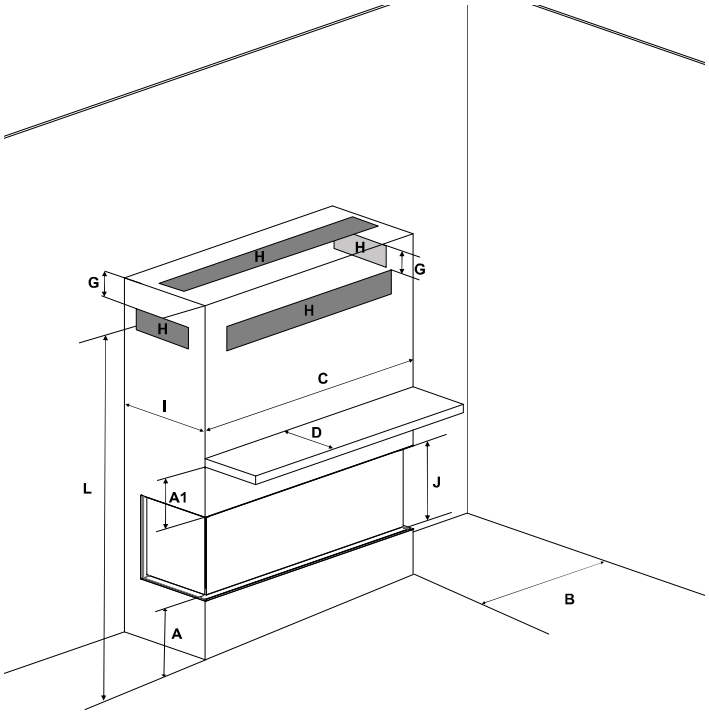
Fire hazard is an extreme risk

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.

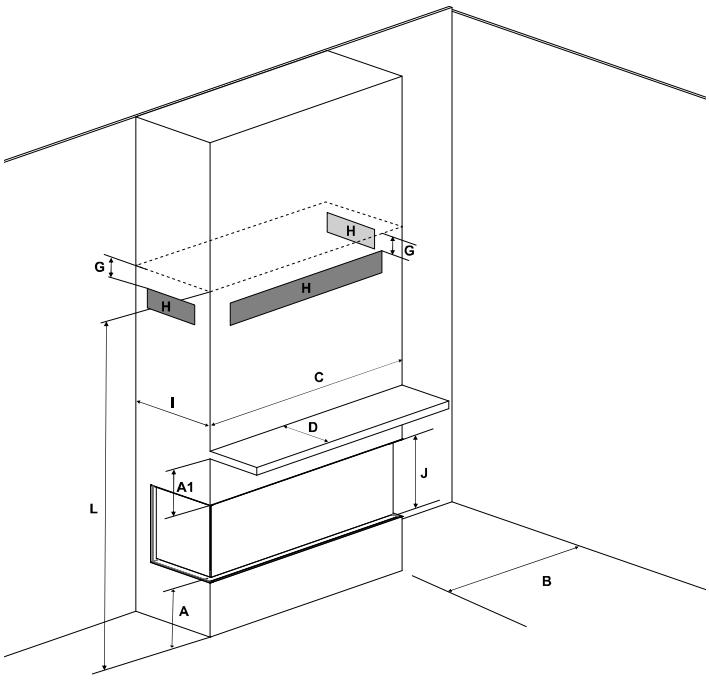
Clearances



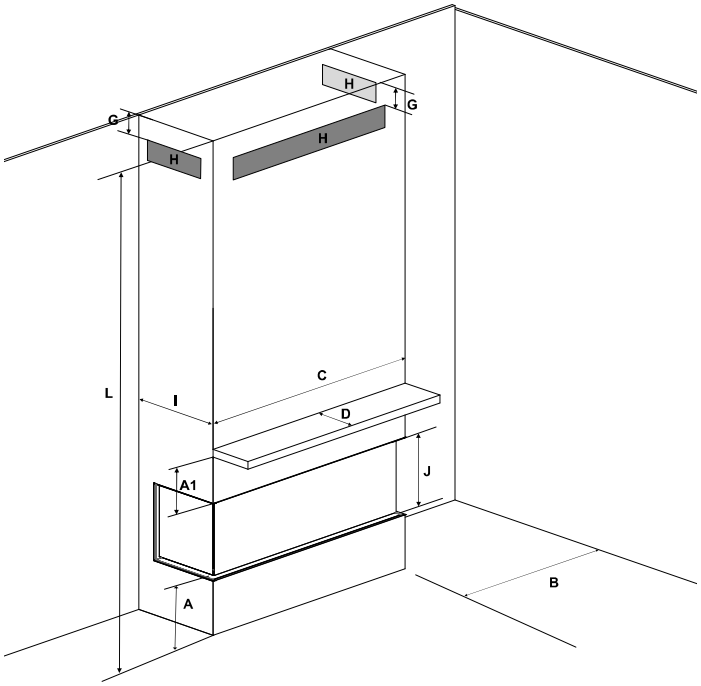
Floor to ceiling with top opening



Low framing with vents in front/2 sides or top



Full framing with low vents in front or 2 sides

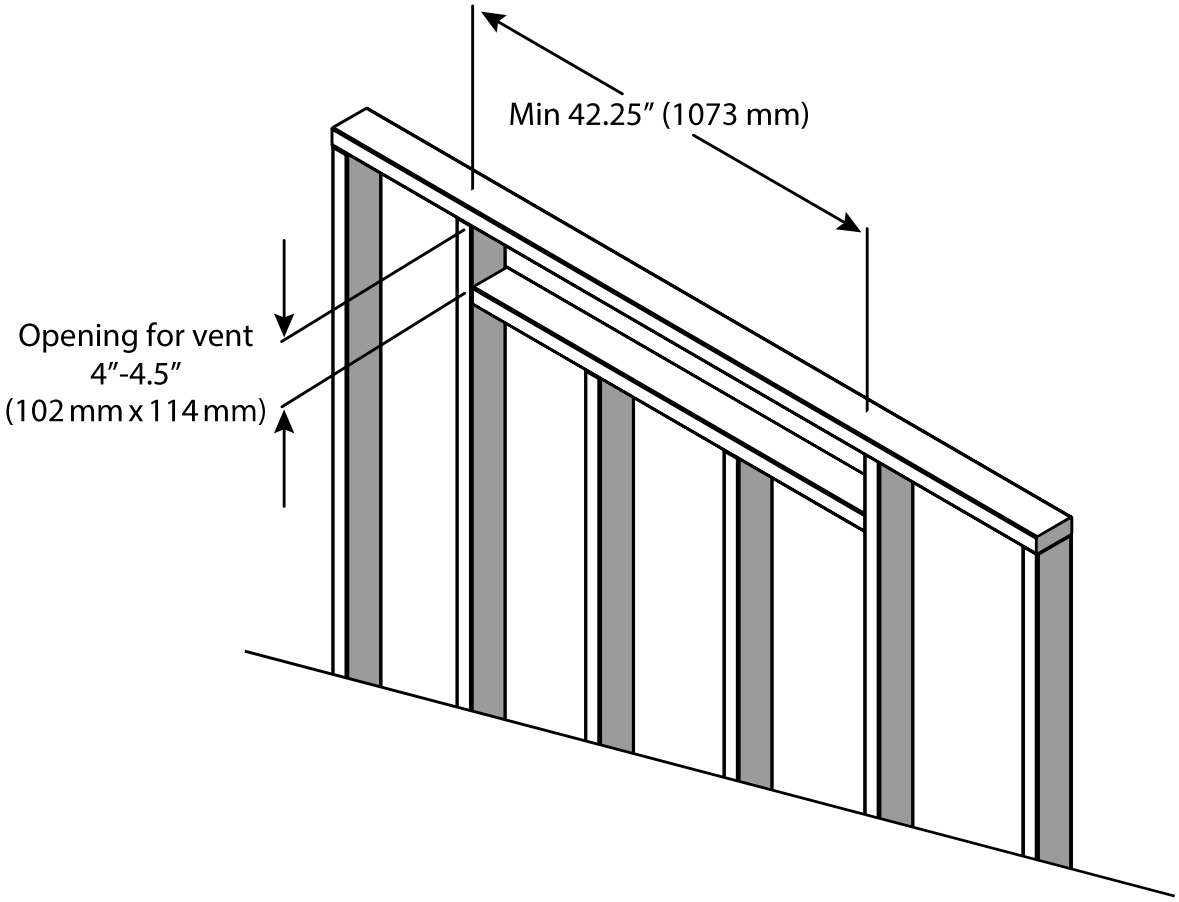


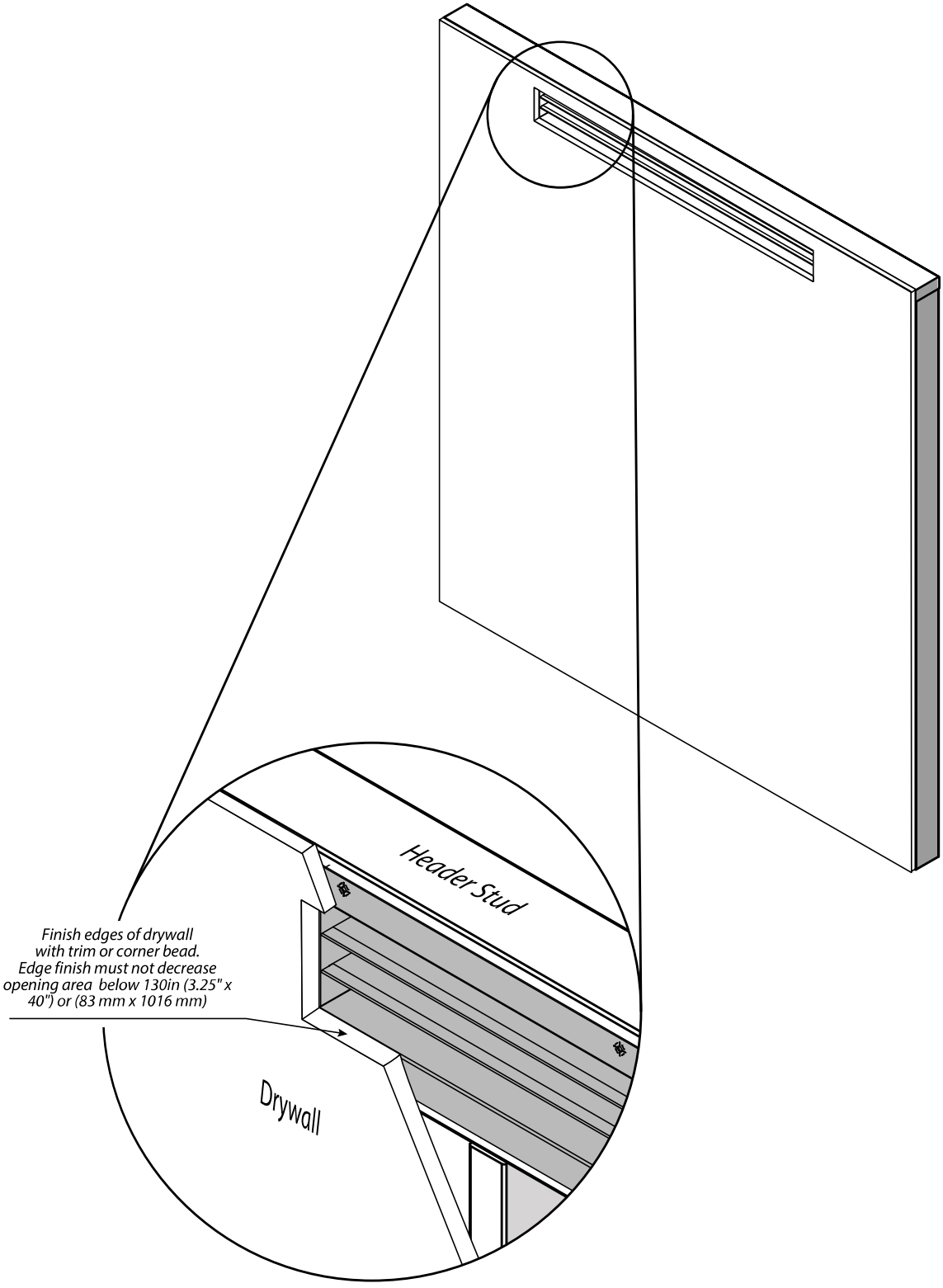
Full framing with vents in front or 2 sides

Note: The ventilation opening may only be placed above, on both sides and in front as shown above. Ventilation grills can never be placed behind the appliance.

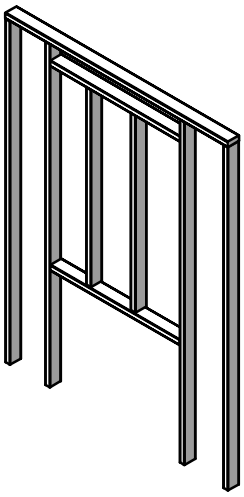
Optional Flush Chase Vent Installation - Part #657-991 (White)

Framed opening must be between 4″ (102 mm) and 4.5″ (114 mm) tall, and at least 42.25″(1073 mm) wide to accommodate the chase vent. The top of the chase vent opening must be 3″ or less from the top of the chase enclosure.



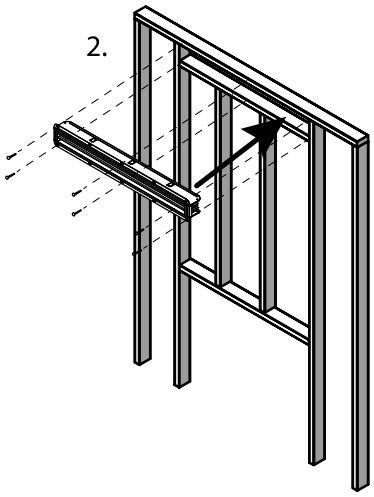

Header Stud
Finish edges of drywall
with trim or corner bead.
Edge finish must not decrease
opening area below 130in (3.25" x
40") or (83 mm x 1016 mm)
Drywall

1.



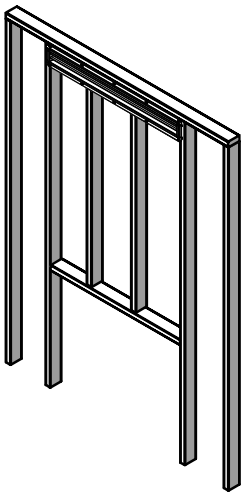
Frame opening for vent
(See Vent Framing Clearances Page)

2.



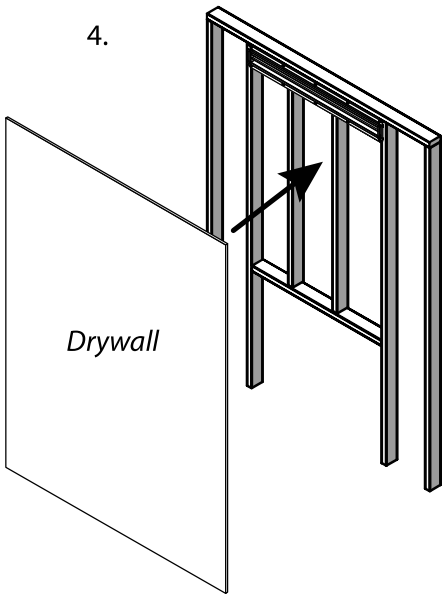
Screw Chase vent to Framing

3.



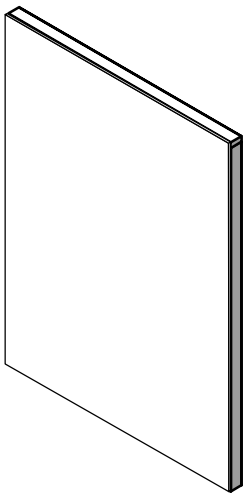
Use at least 3 sets of screws
to keep the vent flat against framing

4.



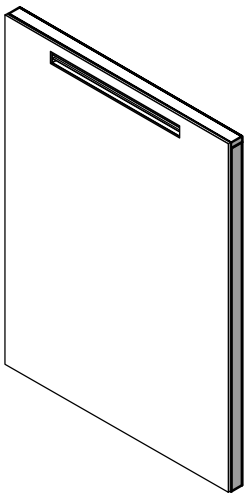
Frame wall with finishing material

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

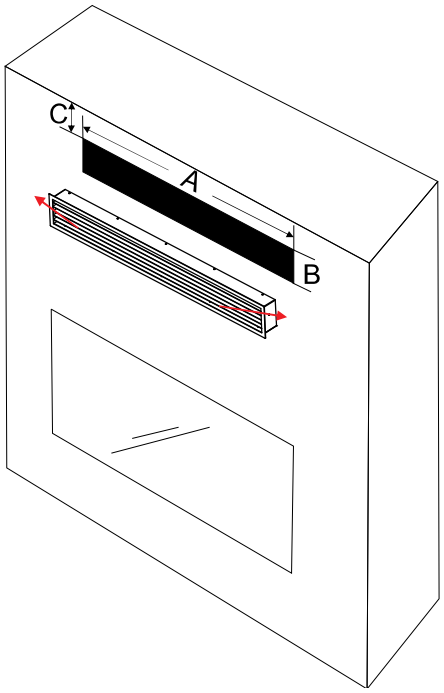
Optional Front Grill Installation - Part # 656-991 (Black)

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.

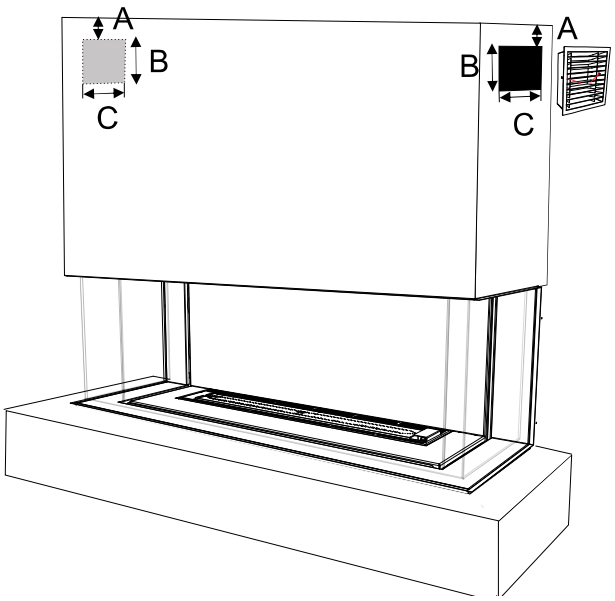


	DIMENSIONS
A	39-1/8" (994mm)
B	4-3/8" (111mm)
C	Maximum 3" (76mm) from top of enclosure.

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.



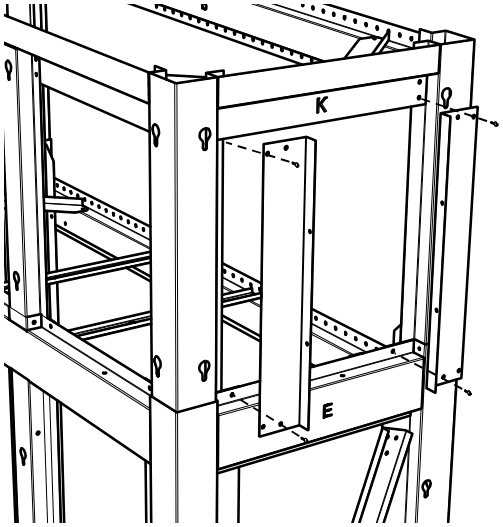
	DIMENSIONS
A	Maximum 3" (76mm) from top of enclosure.
B	8-5/16" (211mm)
C	8-5/16" (211mm)

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

Secure with screws through louvers to the sides.

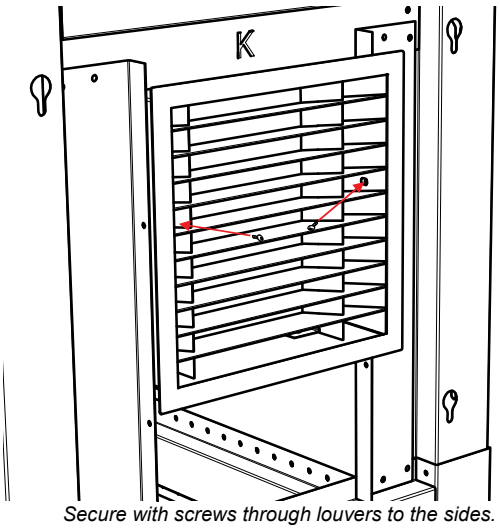
Optional Side Grill Installation Into Compact or Extended Framing Kit

1. Install the side vent framing onto the framing kit by affixing to Parts K + E .If the framing kit has already been assembled, remove the existing screws one side at a time and reuse to affix the side vent framing.



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

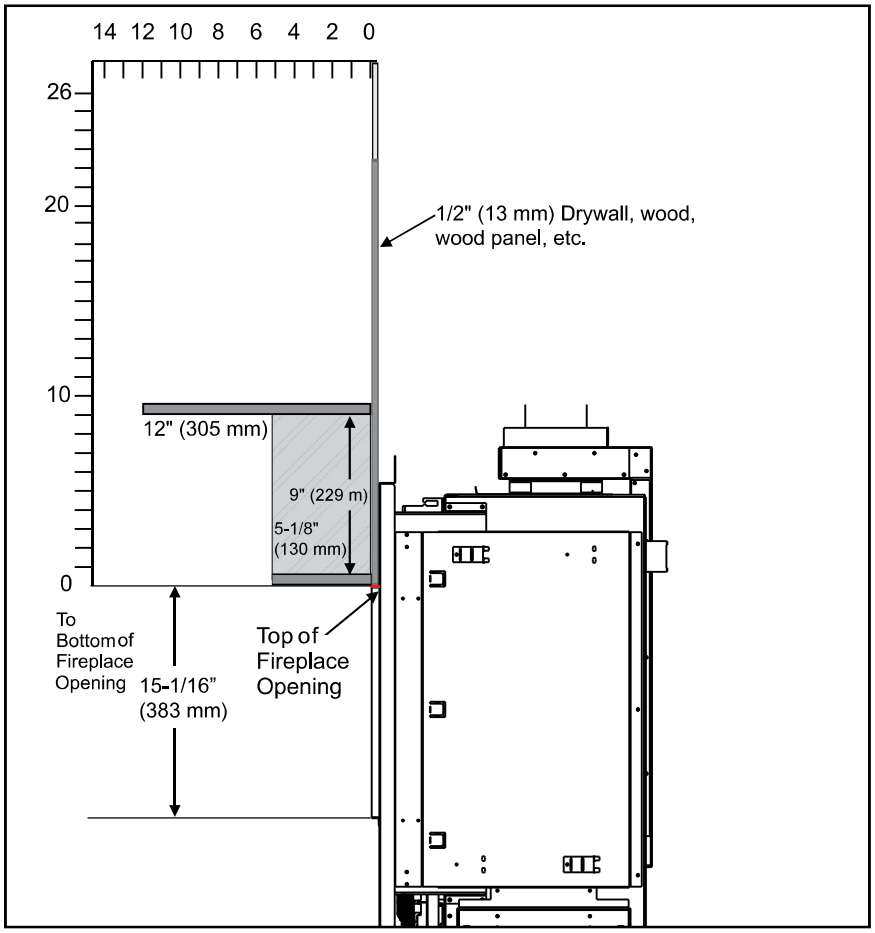
3. Install the vent with 2 screws from the front through the louvers as shown.



Secure with screws through louvers to the sides.

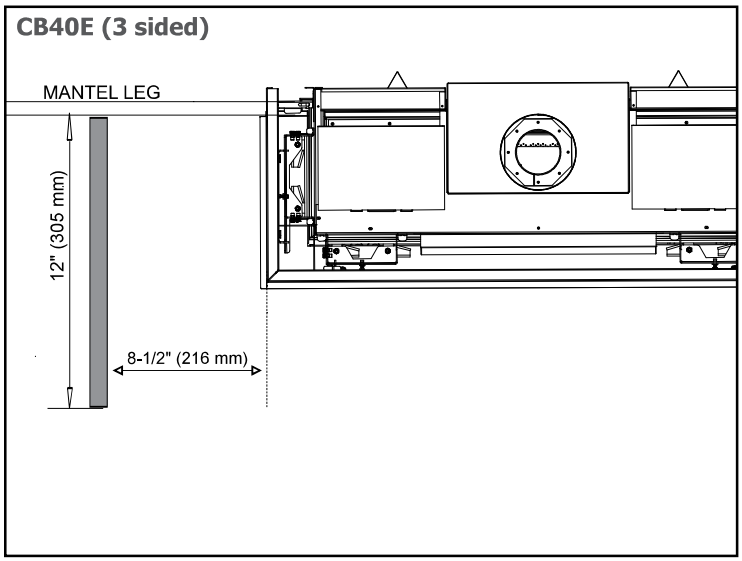
Mantel Clearances

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:

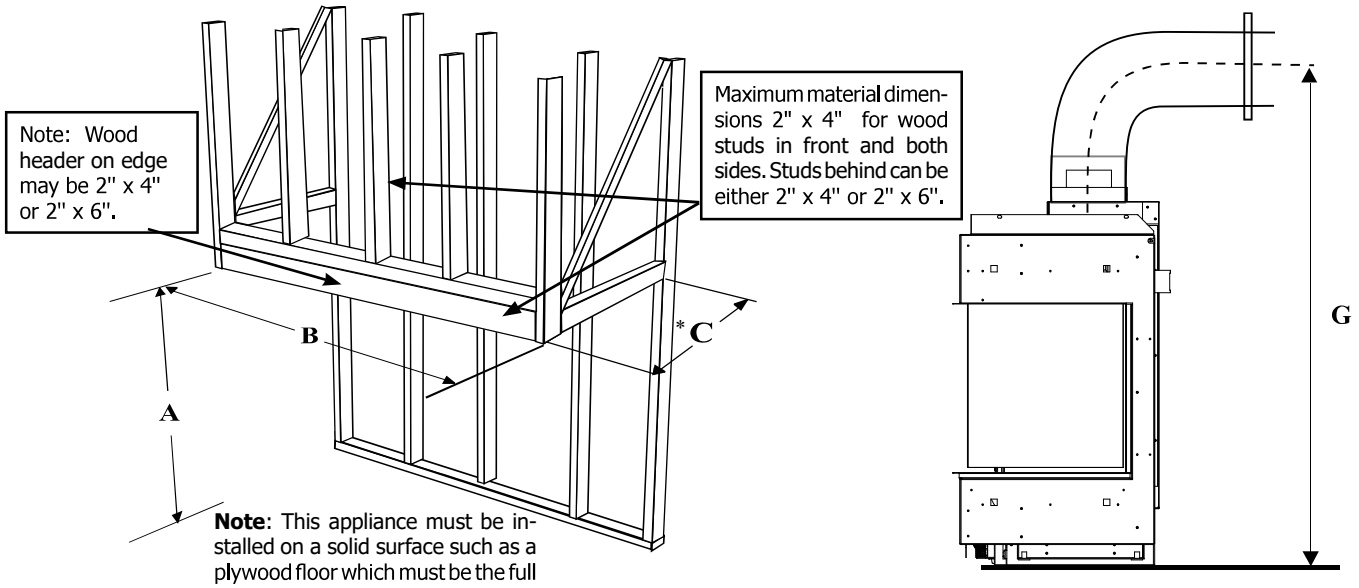


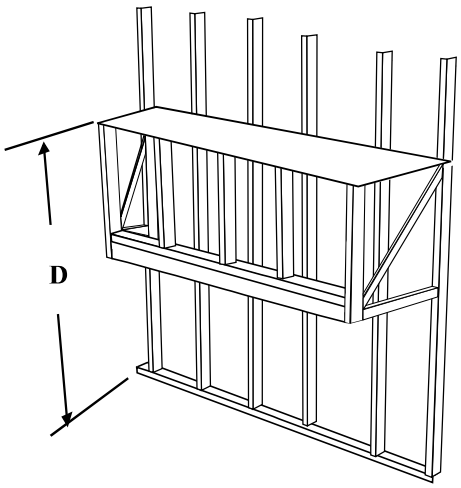
Framing Dimensions

NOTE: Framing may be constructed of combustible material (ie. 2x4) and does not require steel studs. Two (2) optional steel stud kits may also be purchased. These kits may be used in place of the conventional wood framing as shown below. It comes as a compact kit (flush to the appliance on all sides)or an extended kit. The extended kit protrudes beyond each side of the appliance as shown on the front cover of this manual. There is also an optional hearth kit which may be purchased as shown on the front cover of this manual. These kits are highly recommended as it was designed specifically for the product to facilitate ease of installation. See instructions in this manual for details.

Framing Dimensions	Description	CB40E
A	Framing Height	37-3/8" (949mm)
B	Framing Width	48-1/2" (1232mm)
*C	Framing Depth	19" (483mm)
D	Minimum Height to Combustibles	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 CB40E (3 sided) in this manual as there are different methods as to how this can be achieved.
Note: Only basic framing dimensions are shown. The framing may also extend beyond the appliance on either side and also extend out front if a hearth is desired. See clearance/finishing requirements for details.
Note: Unit is not load bearing. All finished materials must be supported by framing.





*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: 19" framing depth + 1/2" drywall = 19-1/2")

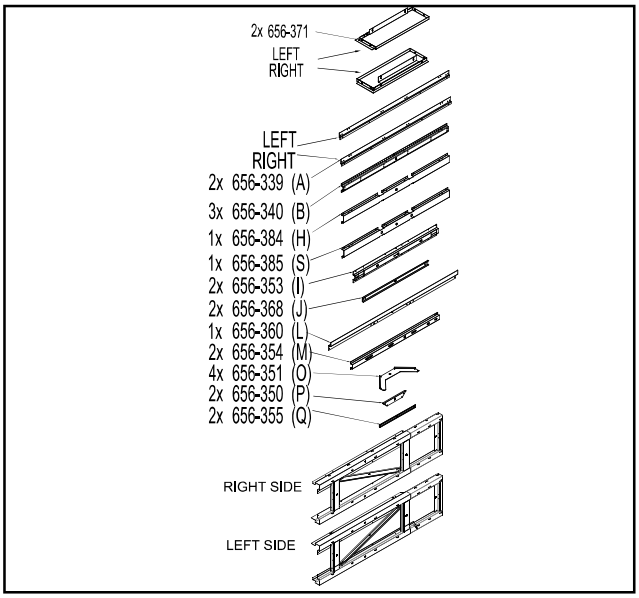
Optional Framing Kit Installation

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

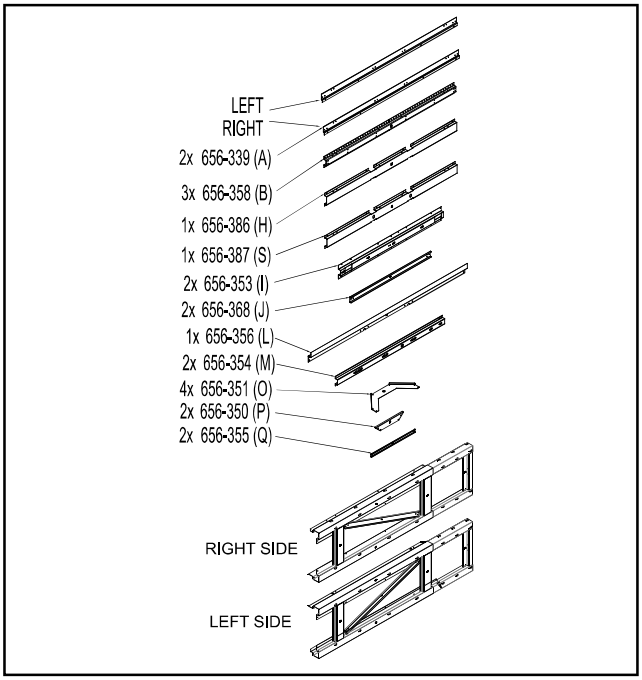
Tools/hardware needed are as follows:
- Level
- Stud finder
- Cordless screwdriver
- Phillips bit
- 5/16 inch (8 mm) hex head bit
- 2" (51 mm) to 3" (76 mm)wood screws (minimum 16)
- Self tapping screws
- Circuit/receptacle tester
- Flashlight

Framing Kit install video

Note: Extra screws are provided to assemble this kit. Wood/self-tapping screws to secure the framing kit to the studs are not provided by Regency.



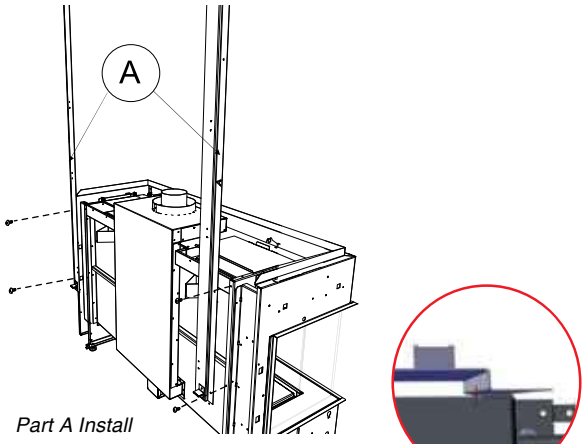
Extended Framing Kit (Part # 656-957) Contents Layout



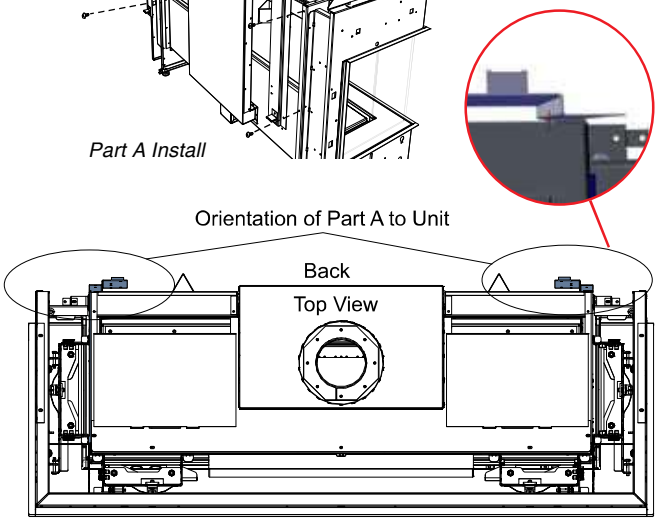
Compact Framing Kit (Part # 656-950) Contents Layout

The following procedure shows the assembly of the extended framing kit—the installation of the compact framing kit is identical except part 656-371 (Step 22) is not required. Note: Unit nailing strips are not required (and can be recycled) when using the framing kit.

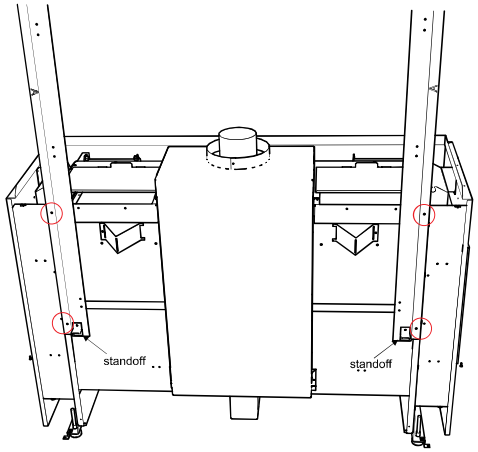
1. Start with the unit away from the wall, install Part A (x2) to the back of the unit with 2 screws on each side.
   Note the correct orientation of part A as there is a left and a right. See diagram below.



Part A Install

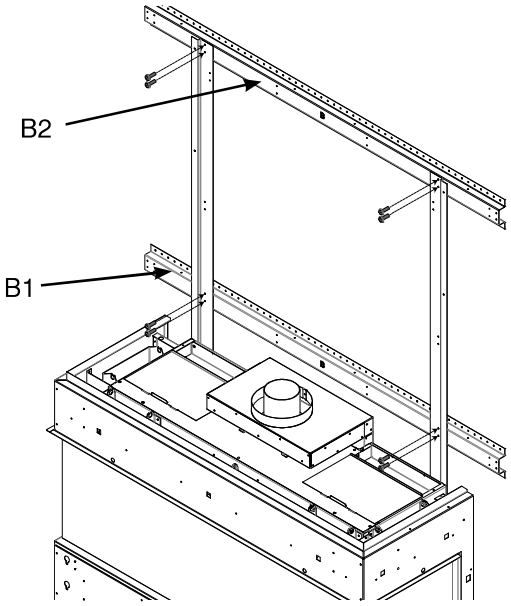


Orientation to Unit



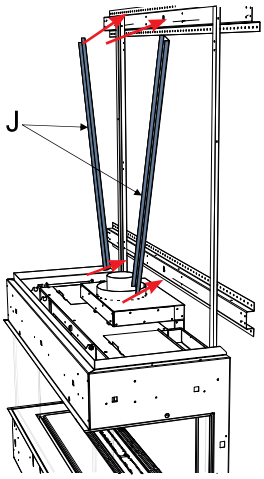
Screw Locations

2. Install Part B1 + B2 to Part A with 2 screws on each side from the front of the unit.

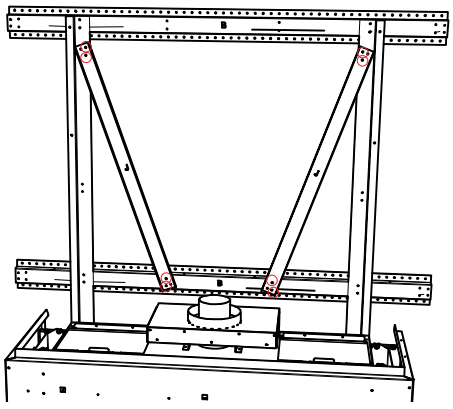


Part B1 to A - screws go in from front

3. Install Part J (x 2) to Parts B1 + B2 with 4 screws each (2 top - 2 bottom) - screw locations shown below.

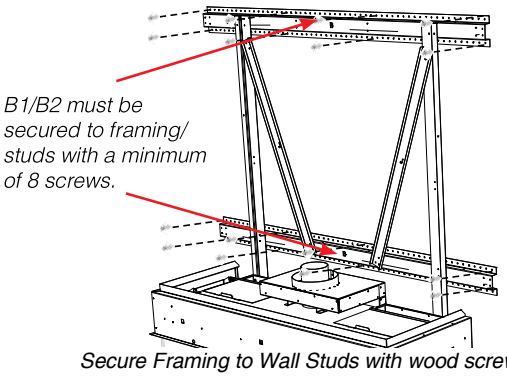


Part J install to Part B1 + B2



Part J screw locations

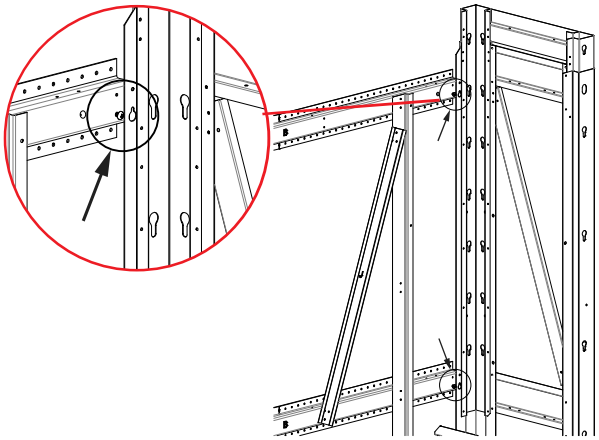
4. Slide unit into position. Check to ensure that the unit is level from front to back and side to side and Parts A + B are square. Secure the unit with framing to the wall studs with 2-1/2"-3" (64 mm - 76 mm) wood screws. Use 8 screws and secure to 4 studs minimum. **Install venting before proceeding further** with framing kit construction. Refer to manual for venting instructions.



Secure Framing to Wall Studs with wood screws

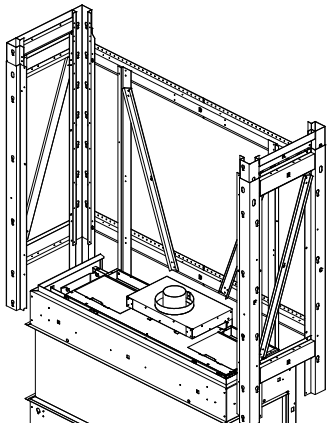
5. Install one screw (lower screw position) into B1 and B2. Hang the pre assembled RIGHT sidewall off the 2 screws using the keyhole opening on the sidewall.

6. When sidewall is in position - install the second screw in both B1 and B2 and tighten both screws to secure sidewall.



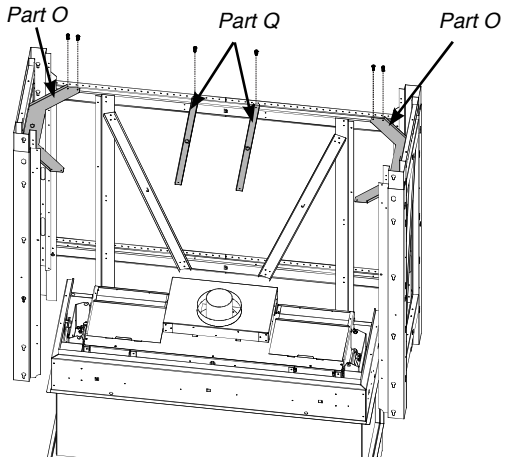
Install Pre Assembled Sidewall

7. Repeat Steps 5 & 6 on the left side to install opposite pre assembled sidewall.



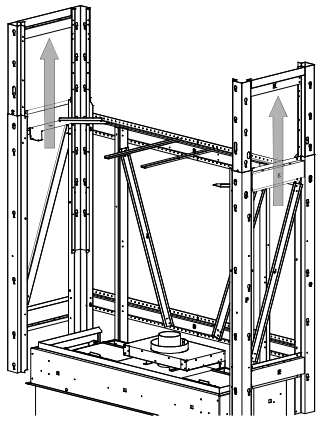
Install Pre Assembled Sidewall (opposite)

8. Attach O (x2) and Q (X2) to the top of Part B2 using screws in locations shown below.



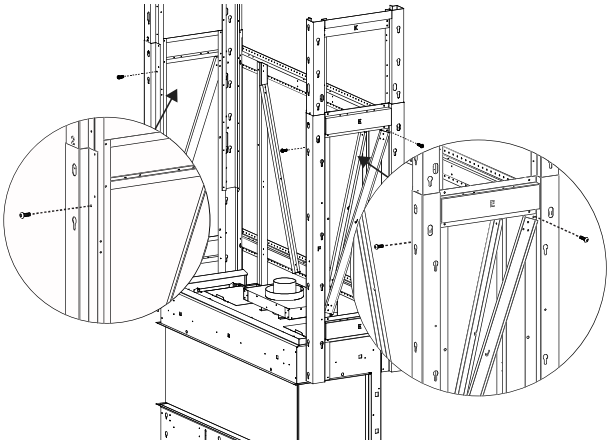
Attach Part O (x2) and Q (x2) to Part B2

9. Telescope LEFT + RIGHT sidewalls up to desired height. Fasten both sides once in place with self tapping screws.



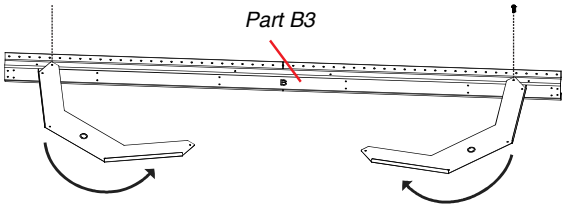
Telescope LEFT + RIGHT sidewalls to desired height

NOTE: If installing the optional finishing wood panel kit, place a screw in the framing kit in location shown in the diagram below. This will set the frame at the correct height for the panels.



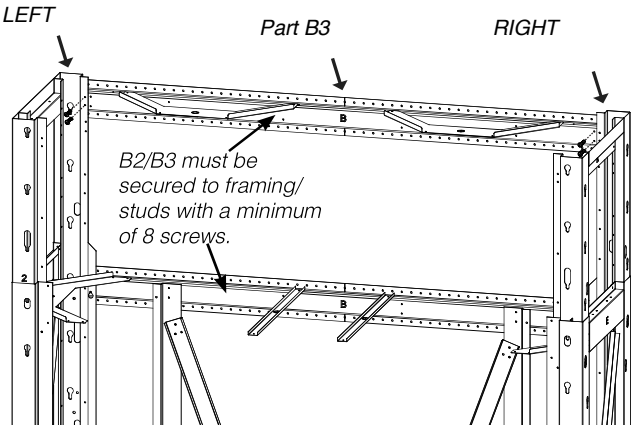
Install screw to set height for panel install
Set predetermined height when using wood panel kit

10. Attach O (x2) with one screw to B3 and swing Part O in as shown to keep out of the way until further in the installation.



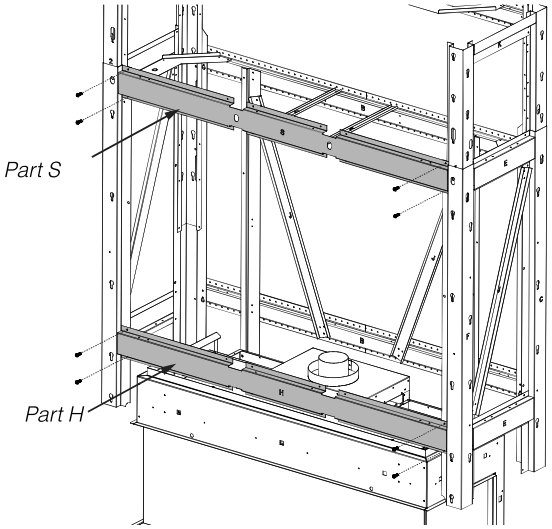
11. Attach Part B3 to extended LEFT and RIGHT sides with two screws on each side (from the front).

12. Secure B3 to the wall studs with 2-1/2"-3" (64 mm - 76 mm) wood screws. Use 8 screws and secure to 4 studs minimum.



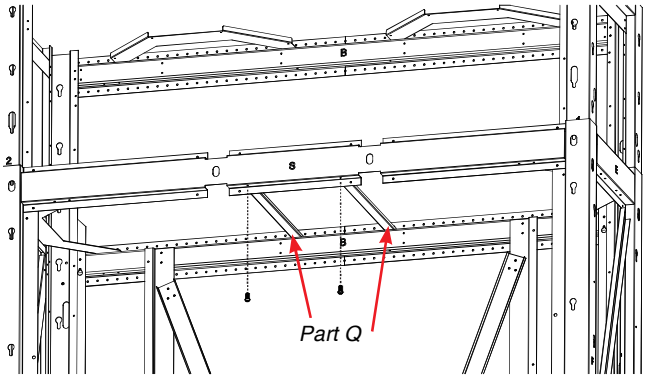
Attach Part O (x2) to Part B3

13. Attach Part S and Part H to the front of the LEFT and RIGHT sides with 2 screws on each side (4 screws total for each part).

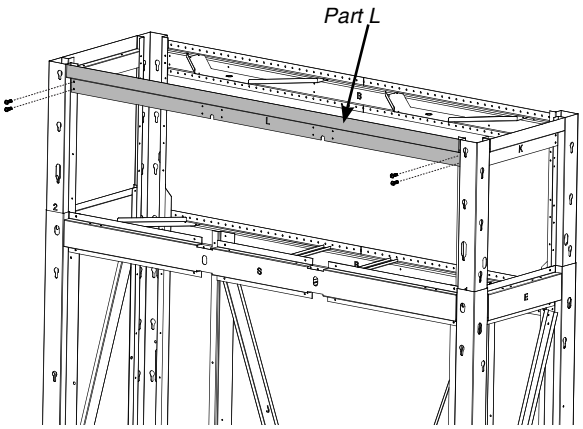


Attach Part S and Part H to Front of LEFT + RIGHT sides

14. Secure Part Q to top Part S with 1 screw each.

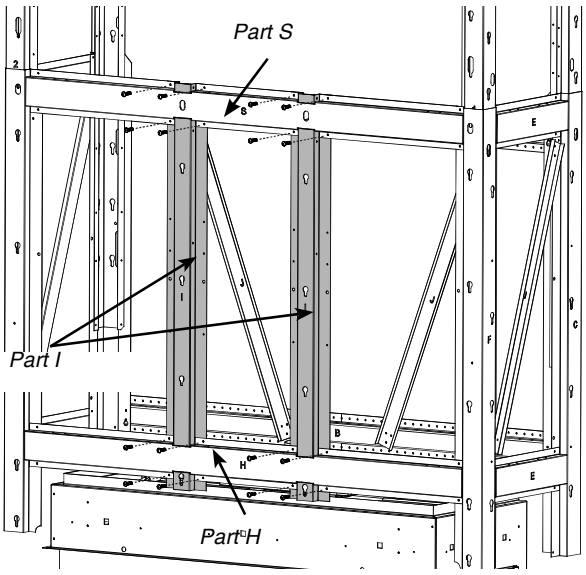


15. Attach Part L to the front of the LEFT and RIGHT sides with 2 screws on each side.



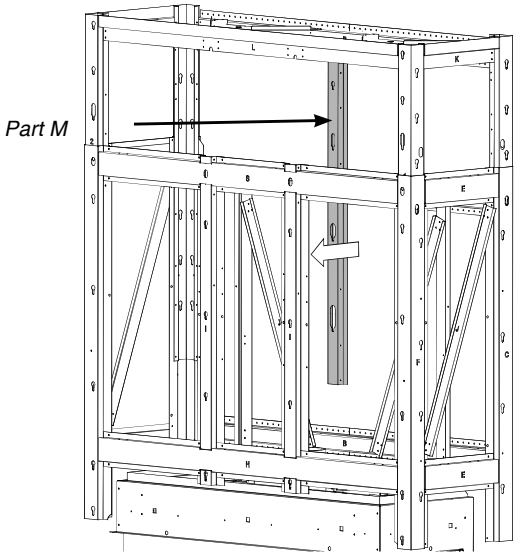
Attach Part L (x2) to LEFT and RIGHT sides

16. Position Part I (x2) to fit in the indent in Part S and Part H, secure each Part I with 8 screws each - 4 top/4 bottom.

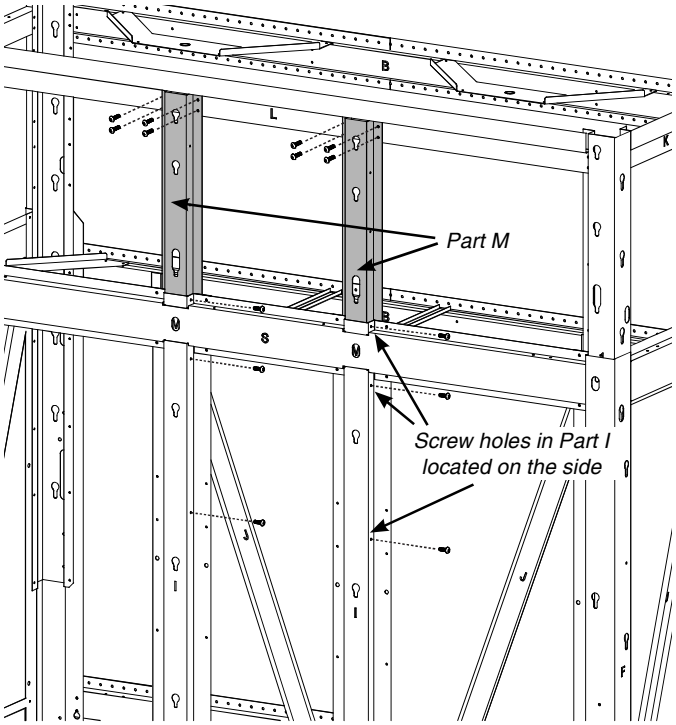


Attach Part I (x2) to Part S & H

17. Position Part M (x2) to nest in behind Part I (x2) and secure to Part I with 3 screws each and Part L with 4 screws each.
See 2 drawings shown below noting orientation of Part M.

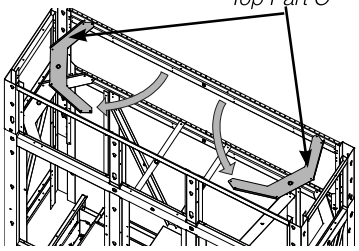


Attach Part M (x2) to Part L

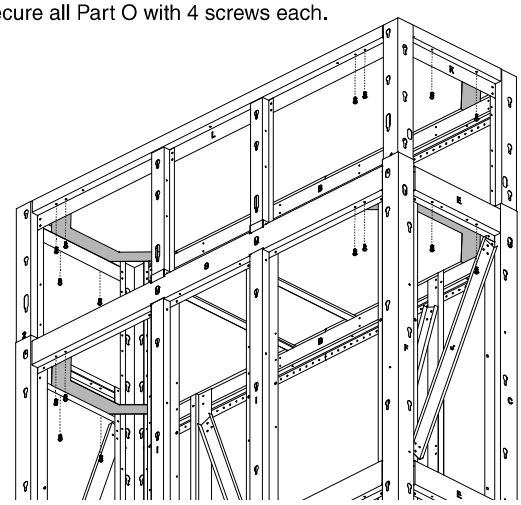


Part I screw holes located on the side

18. Swing Top Part O out from B3.

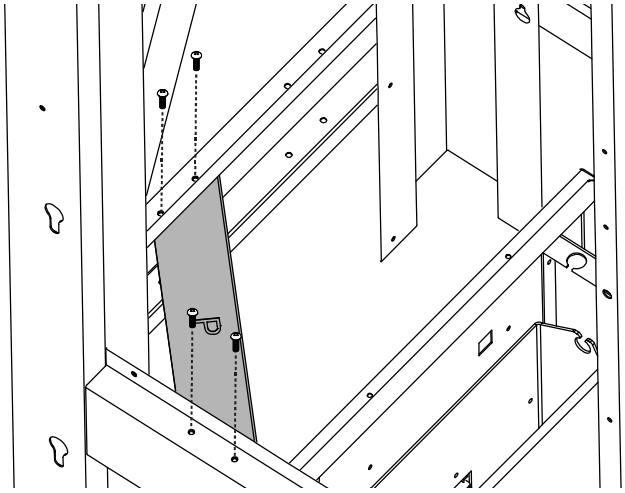


19. Secure all Part O with 4 screws each.



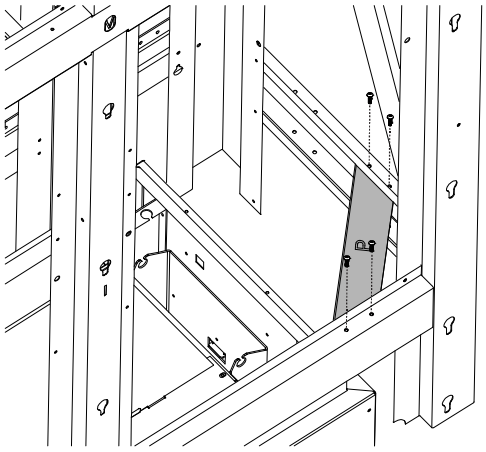
Swing Parts O out and attach

20. Attach corner brace Part P to the LEFT side and Part H with 4 screws from the top.



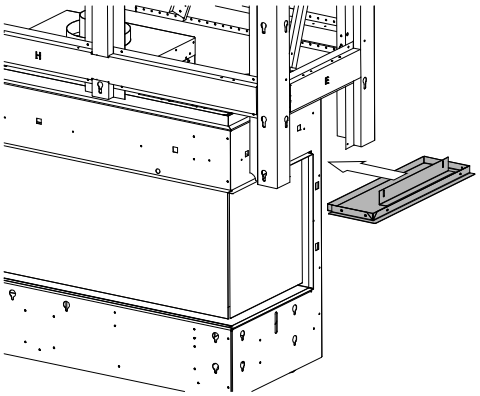
Attach Part P (Left) to the LEFT SIDE + H1

21. Attach the opposite corner brace Part P to the RIGHT side and Part H with 4 screws from the top.

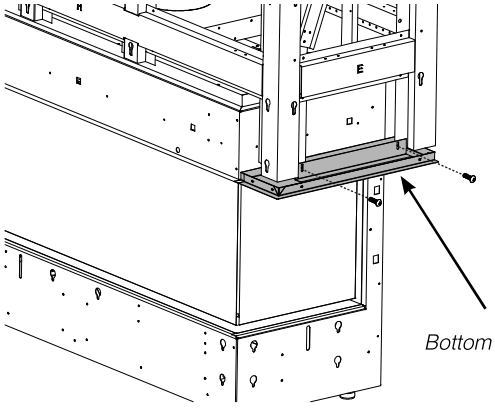


Attach Part P (Right) to the RIGHT SIDE + H1

22. **Extended framing kit only**: Install the left and right bottom cover (656-371 x 2). The left and right bottom covers are installed with 2 screws each.



Extended framing kit bottom cover install

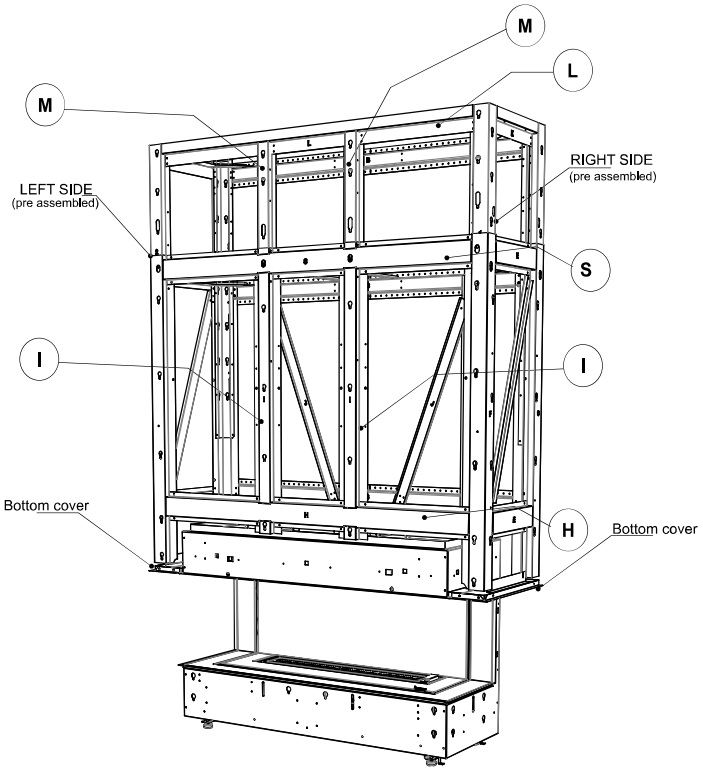


Extended framing kit bottom cover install

Extended Kit Overall Dimensions:
Width: 60-1/2" (1537 mm)
Depth: 18-11/16" (475 mm)
Height: min. 80" (2032 mm)
max. 10' (3.05 m)

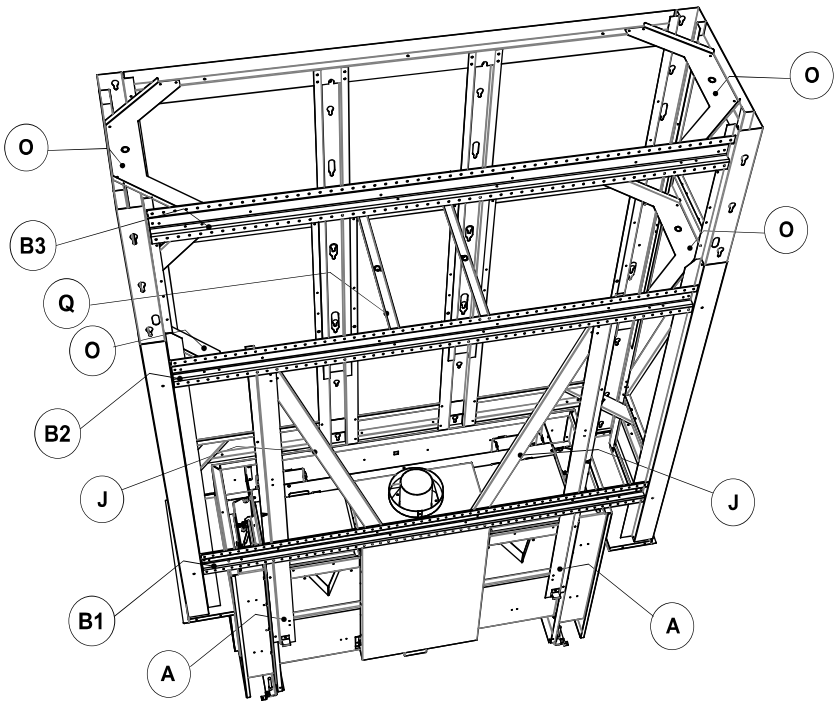
Compact Kit Overall Dimensions:
Width: 48-7/16" (1230 mm)
Depth: 18-11/16" (475 mm)
Height: min. 80" (2032 mm)
max. 10' (3.05 m)

Min/Max Height measured from base of appliance/ finished floor.



Front view Part ID - extended shown

Note: Bottom cover for extended framing kit only



Back view Part ID - extended shown

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 CB40E 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.

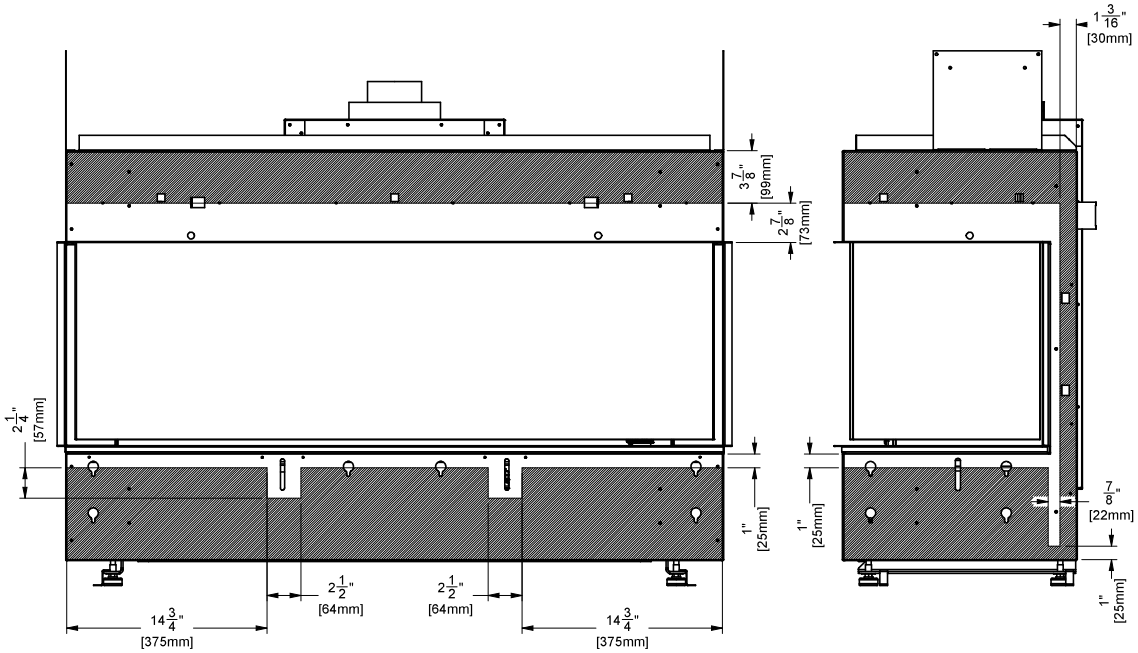
DO NOT use screws more than 3/4 inch in length on the lower access cover panel. Longer screws may penetrate gas line or damage valve or electrical components.
Note: It is acceptable to use a high temperature silicone sealant to adhere drywall to lower access cover panel.

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.



SCREWS ONLY IN SHADED AREA

Framing and Finishing Inset Installations

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

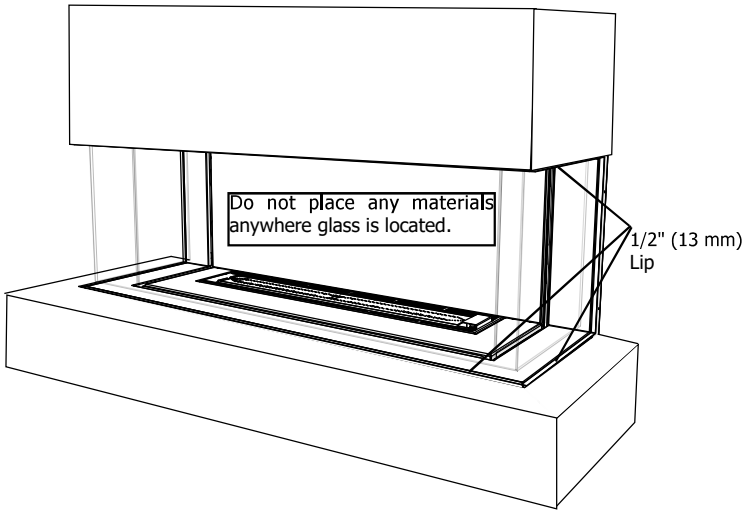
Note: When constructing the framed opening ensure there is access to install the gas lines,electrical. Also the wiring harness must be wall mounted using the receptacle provided with the appliance. The wiring harness will be located on the right hand side of the appliance if facing the unit from the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

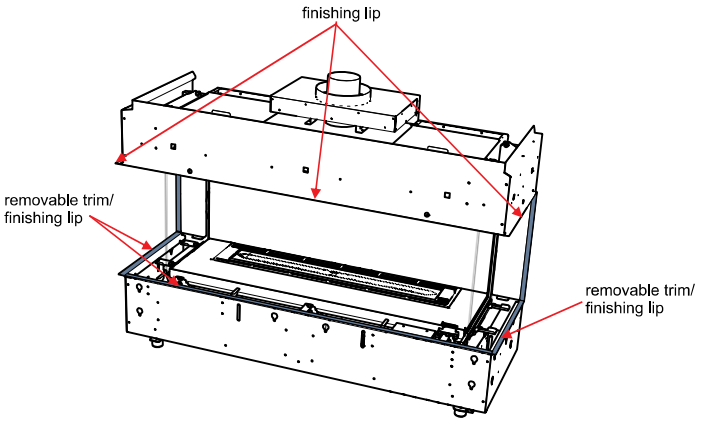
WARNING: Failure to insulate and add vapor barriers to the inside of the exterior wall will result in operational and performance problems including, but not limited to: excessive condensation on glass doors, poor flame package, carbon, blue flames etc. These are not product related issues.

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.

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).
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" (13 mm) lip at top, sides and bottom to hide the ends of the drywall. The 1/2" (13 mm) 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 each 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.



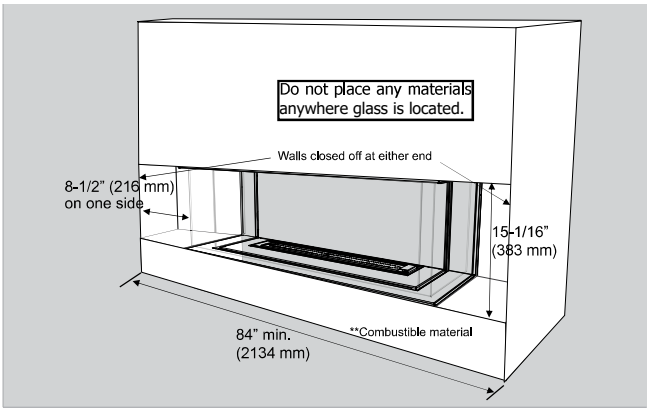
Note : an offset screwdriver is provided with the appliance for ease of removal/installation of the lip.



Extended Finish CB40E (Walls Closed Off at Either End)

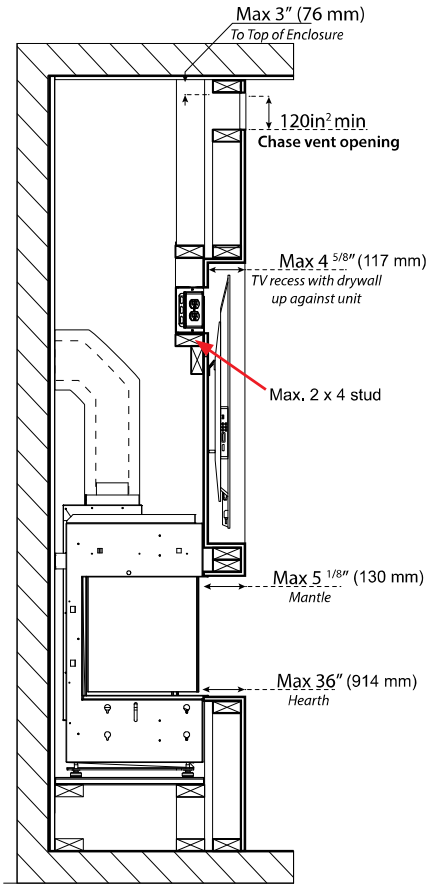
The sides can extend out as shown using combustible materials. The opening must be a minimum of 84 inches wide and have a minimum of 8-1/2 " (216 mm) on one side of the fireplace, if choosing to offset the installation

**Combustible material may extend a minimum of 1/2" (13 mm) and to a maximum of 5-1/8" (130 mm) 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.



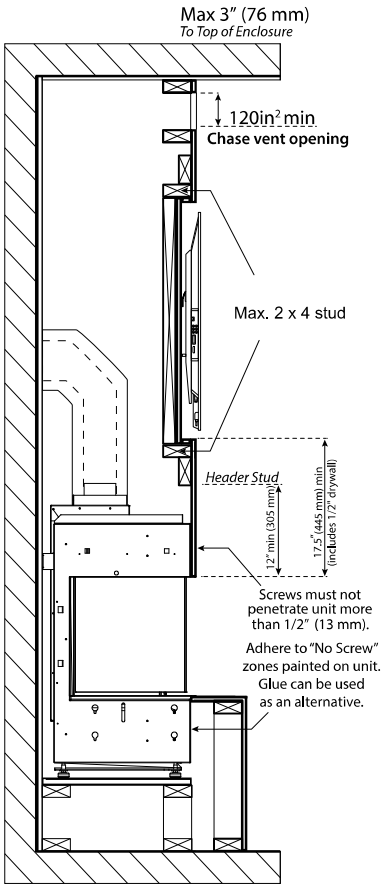
TV Recessed into Wall - Typical Installs

Maximum TV Recess



4 5/8" (117 mm) maximum TV recess using 1/2" (13 mm) drywall

TV Flush with Hearth



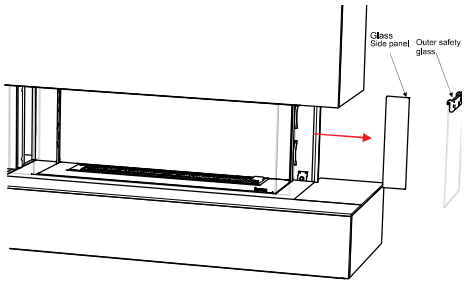
Flush wall TV recess using 1/2" (13 mm) drywall

Optional Glass Panel Installation (Parts # 656-921 and # 656-920)

To watch the glass corner installation video click here.

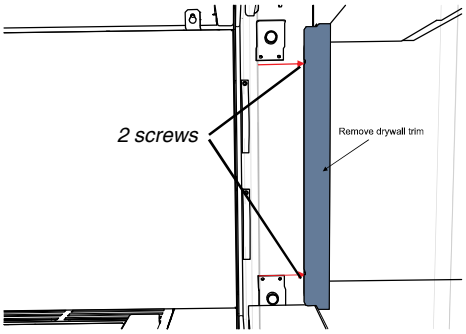
The compact side glass trim pieces (black glass) may be installed to complete the side of the appliance

1. To allow access for installation of the side glass trim piece, remove the outside safety barrier glass and side (glass) panels,if installed - see manual for instructions.



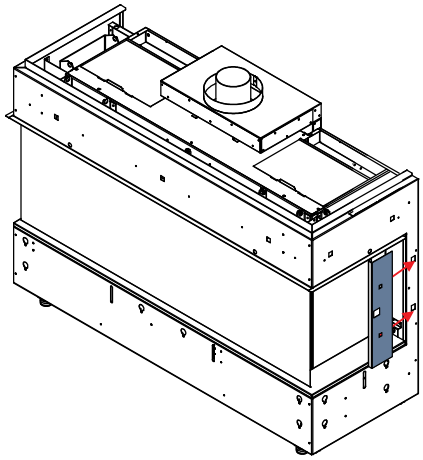
Remove side outer safety glass and side glass panel (if installed) CB40E shown

2. Remove drywall finishing trim by loosening 2 screws - recycle trim.



Glass Panel install video: http://bit.ly/2uqfndj

3. Carefully maneuver side trim piece into position—sliding it from the front until the tabs on the side of the trim click into place with the unit.

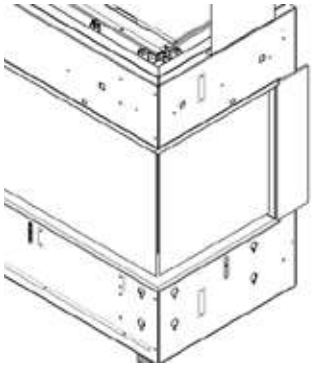


Tabs shown for illustration purposes - tabs are on the inside of the panel

4. Tighten screws loosened in Step 2 to secure side trim to unit.

5. Repeat steps 2-4 to install side trim piece on the opposite side.

6. Reinstall side panels and outside safety glass. (See manual)



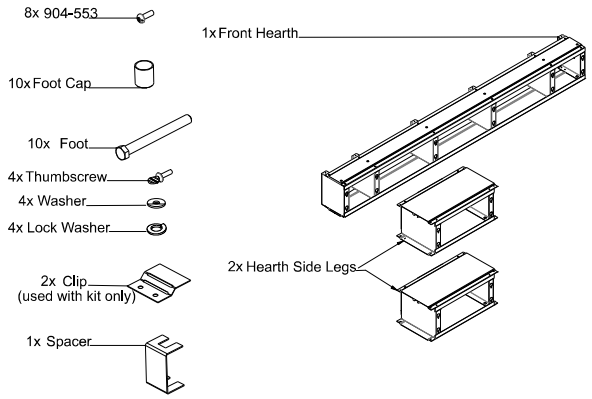
Completed glass trim

Optional Extended Hearth Kit Installation (Part # 656-952)

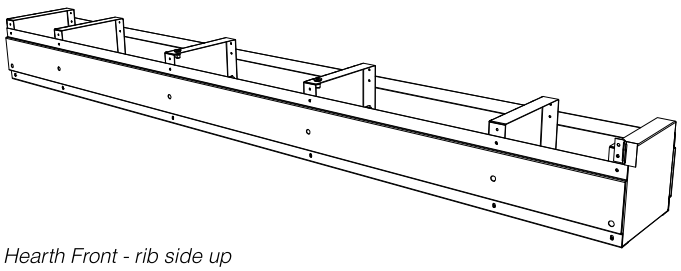
To watch the hearth framing kit installation video click here.

NOTE: Prior to installing the extended hearth kit, both the gas/electrical should be installed.
This optional Extended hearth kit is 8- 1/2 inches (216 mm) high (without leveling legs attached) and may be adjusted up to a maximum of 11-1/2 inches (292 mm) high using the leveling feet provided. Overall depth is 24-7/16" (621mm) and overall width is 68-7/16" (1739mm)

Lay out and identify the parts for the extended hearth kit.

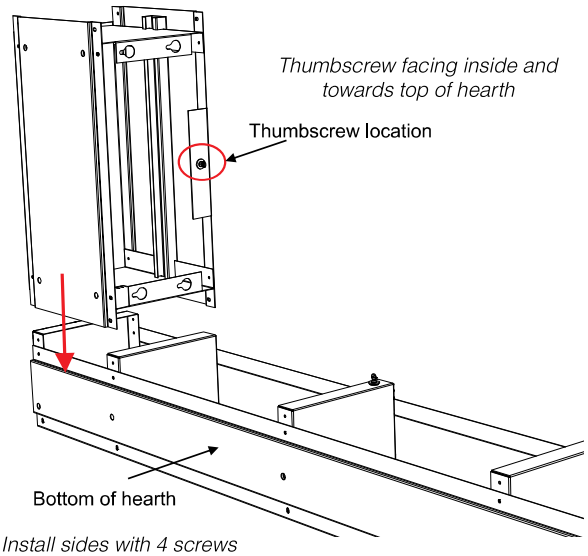


1. Start with the front hearth — flip it 90º (rib side up) to ease the installation of the left and right legs.



Hearth Front - rib side up

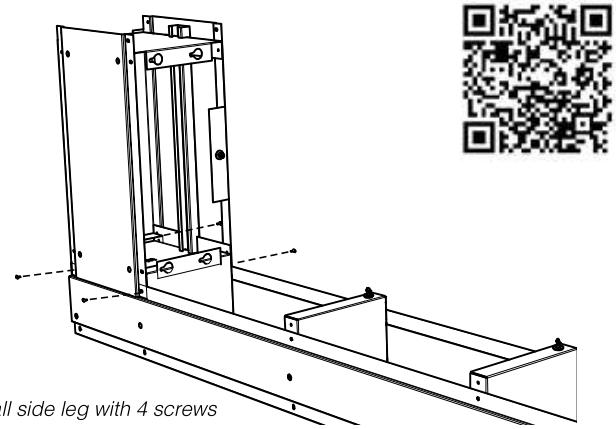
2. Line up one of the hearth legs with the front hearth section. Ensure the thumb screw is located facing the inside of the hearth and towards the top the hearth.



Install sides with 4 screws

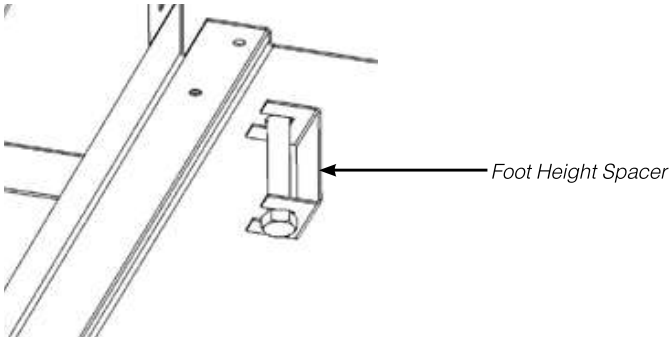
3. Secure the leg with 2 screws on each side—4 screws total.

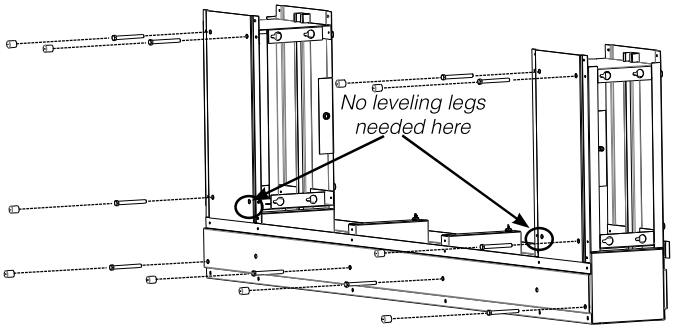
4. Repeat on other side.



Install side leg with 4 screws

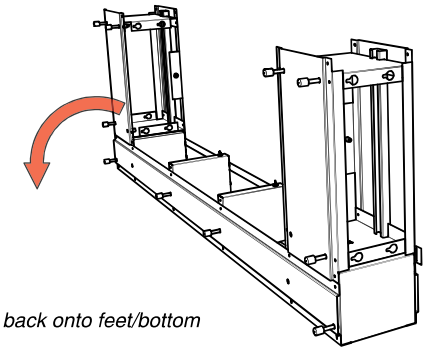
5. 10 leveling legs must be installed to the hearth. See diagram below.
Min. hearth height (w/o feet) = 8-1/2" (216 mm)
Max. hearth height = 11-1/2" (292 mm)
Install the leveling legs/feet using the spacer to ensure all of them are at the same height.
Once the 10 leveling legs/feet are spaced out, use the foot caps which are designed to protect the floor surface when sliding the completed hearth into position. These simply slide over the leveling legs/feet.





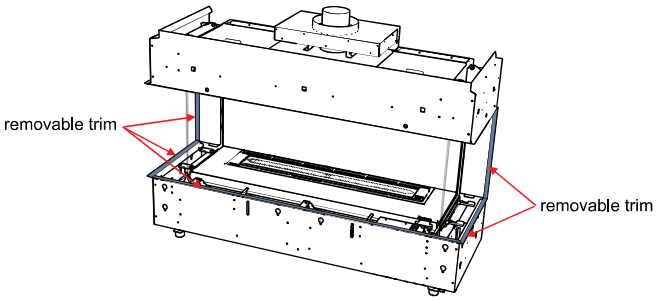
Install leveling legs/feet + foot caps

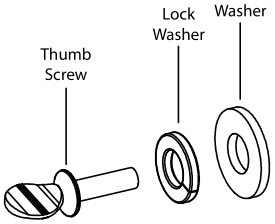
6. After installing supplied feet tilt assembled hearth over 90º.



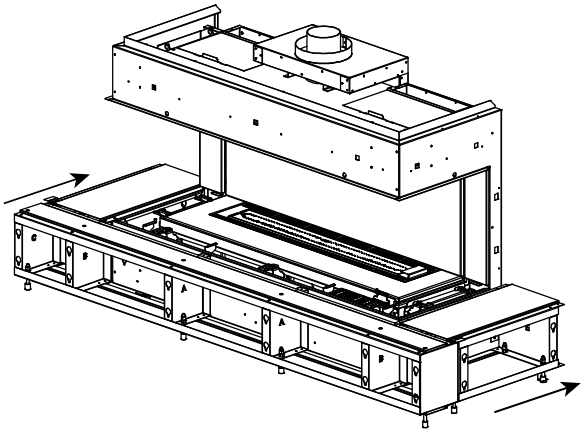
Tip hearth back onto feet/bottom

7. If using hearth panel kit/glass hearth top, remove removable trim (5 pieces) from the unit prior to sliding hearth into position. Loosen screws from inside the unit to remove trim.

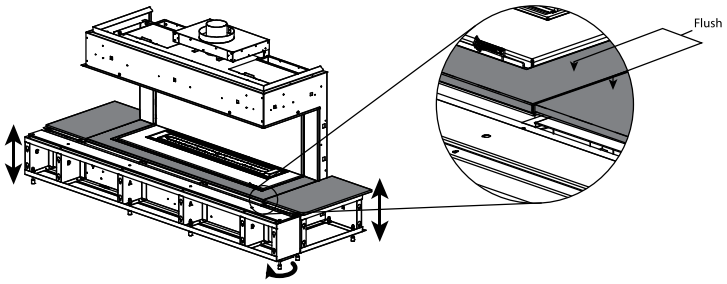




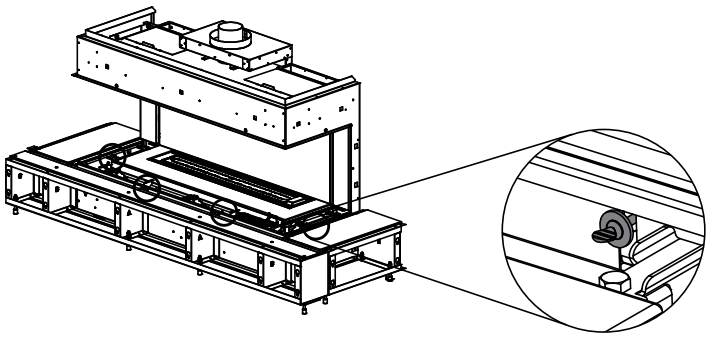
8. Slide assembled hearth into position around unit.



9. Temporarily place the hearth top finishing materials on top of the hearth and adjust height of the hearth by adjusting the leveling legs to ensure that the hearth top finishing materials line up with the outer base panels on the appliance or the removable trim if left in place (see step 7). This must be level at front and both sides.



10. Remove outer base panels from unit, then secure hearth to unit with 4 thumbscrews with lock washers + washers (installed from inside the unit) in locations shown in above diagram.



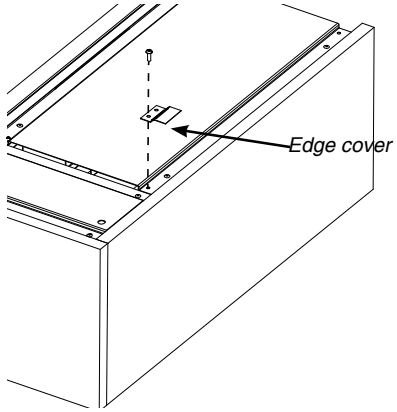
Extended Hearth Glass Top Installation (Part # 656-922)

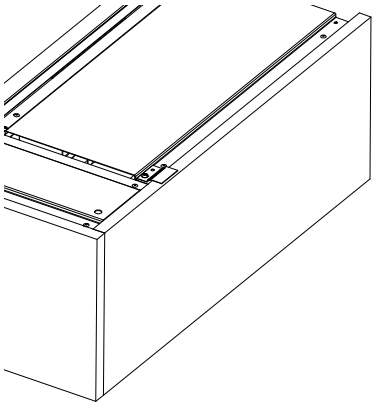
To watch the glass hearth top installation video click here.

The extended hearth glass top is used in conjunction with the extended hearth framing kit. Install the extended hearth framing kit before installing the glass top.

1. Remove the outer safety barrier glass (if already installed) See manual for detail instructions.

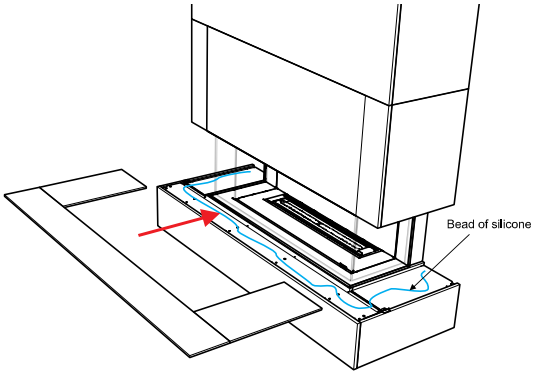
2 Remove screw from hearth and retain, install edge cover securing with screw previously removed from hearth.





3. Repeat Step 2 on opposite side.

4. Install the glass hearth top (3 pieces in total)—apply a bead of silicone to the top of the hearth framing before placing the three pieces of glass in place. Handle glass carefully.



Install glass hearth top (3 pieces)