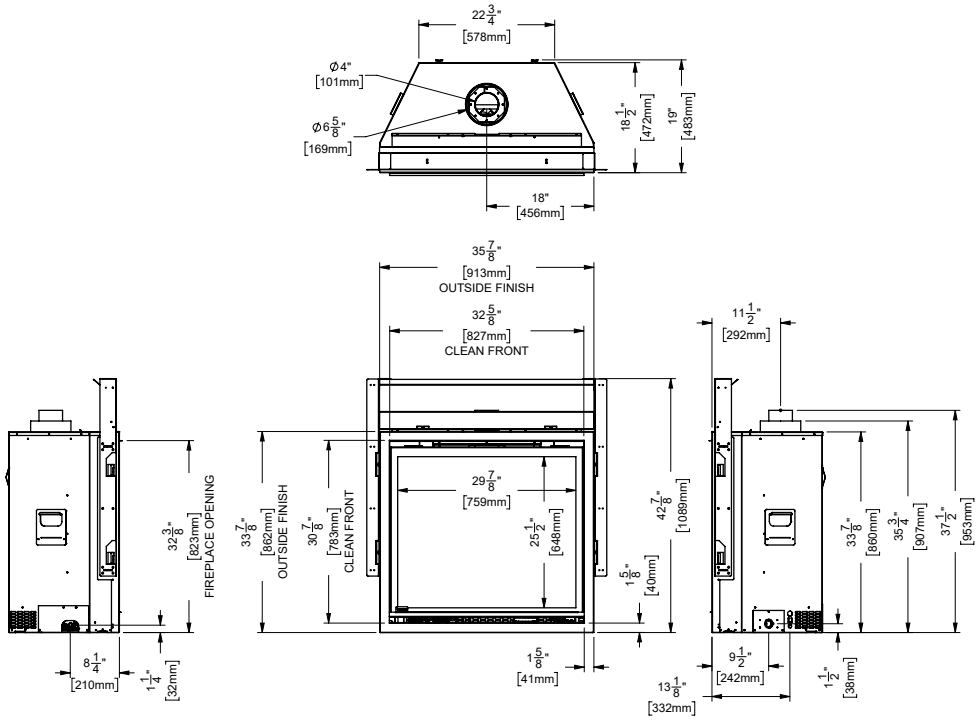
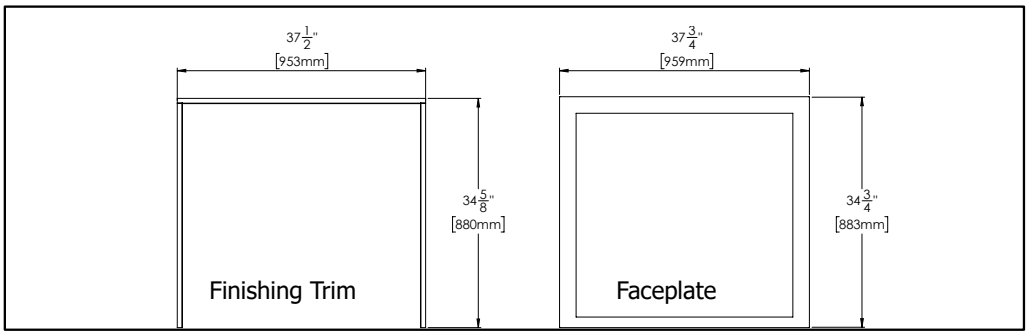
GRANDVIEW G800P Gas Fireplace

MODEL	G800P-NG	G800P-LP
Fuel Type	Natural Gas	Propane
Min. Supply Pressure	5" W.C. (1.25 kPa)	11" W.C. (2.74 kPa)
Manifold Pressure - High	3.8" W.C. (0.94 kPa)	10" W.C. (2.49 kPa)
Manifold Pressure - Low	1.1" W.C. (0.27 kPa)	6.4" W.C. (1.60 kPa)
Orifice Size - Altitude 0-4500 ft	#35 DMS	#51 DMS
Minimum Input Altitude 0-4500 ft. (0-1372m)	19,500 Btu/h (5.71 kW)	27,000 Btu/h (7.91 kW)
Maximum Input Altitude 0-4500 ft. (0-1372m)	36,000 Btu/h (10.55 kW)	34,000 Btu/h (9.96 kW)
CSA P.4.1 Fireplace Efficiency (FE)	57.11%	58.89%

UNIT DIMENSIONS



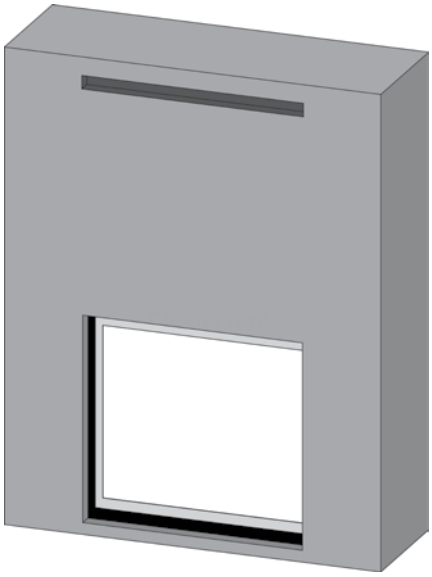
MINIMUM FIREPLACE DIMENSIONS



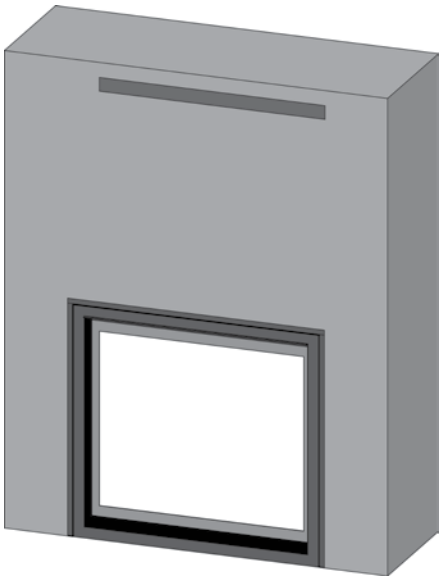
Note: Gas connection is from the left hand side of the appliance & electrical connection on right hand side of the appliance. A metal receptacle box is supplied/installed with the appliance to make all 120 volt electrical connections.

COOL WALL INSTALLATION (COMBUSTIBLE FINISHING)

Cool Wall Install:
- Vented Chase
- Combustible material can be used all around the fireplace
- Combustible Framing



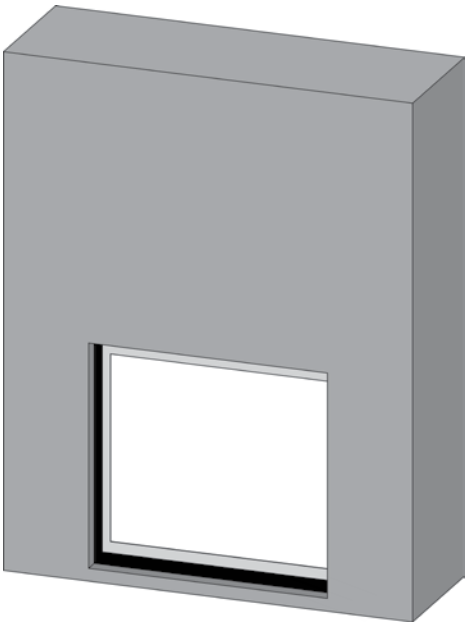
Clean Front



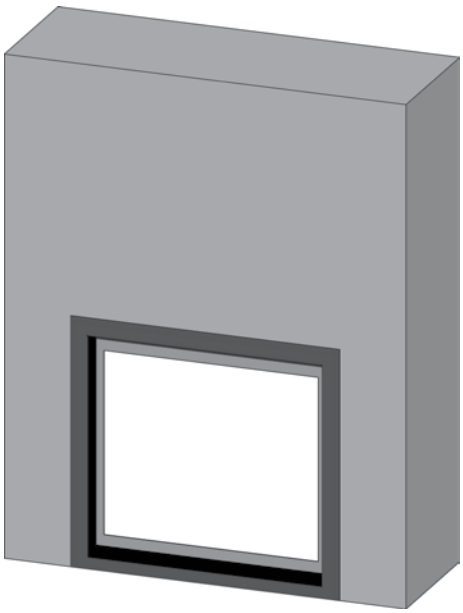
Outside Finish w/ Finishing Trim

NON COOL WALL INSTALLATION (NON COMBUSTIBLE FINISHING)

Non Cool Install:
- Non Vented Chase
- Non Combustible Board required
- Combustible Framing



Clean Front



Outside Finish w/ Faceplate

COOL WALL 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.

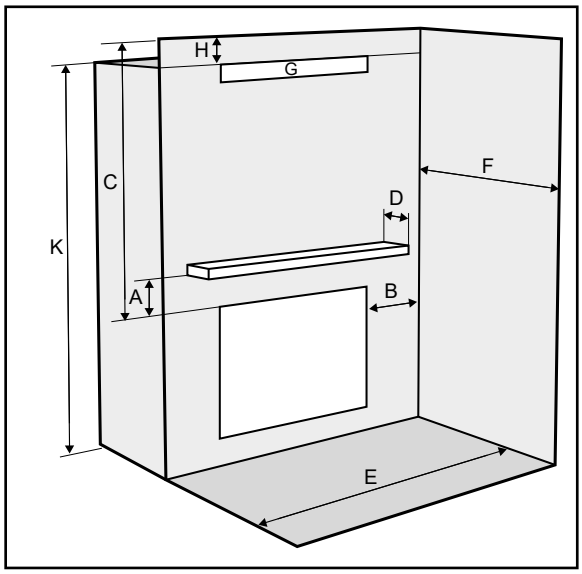
Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

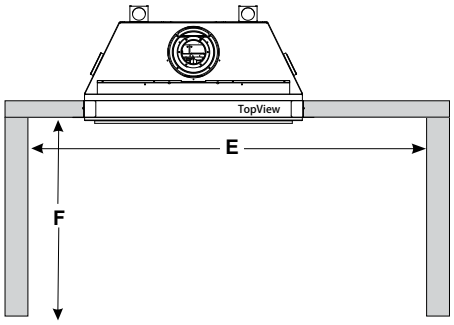
WARNING
Fire hazard is an extreme risk
If these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

G800P Clearance Requirements—Cool Wall Installations

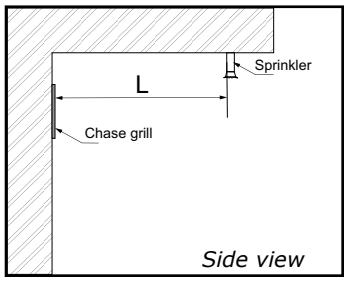
Clearance:	Cool Wall - Clean Front/ Outside Finish	Measured From:
A: Mantel Height (Min.)	3" (76 mm) (Clean Front)	Top of Fireplace Opening
A: Mantel Height (Min.)	1-1/2" (38 mm) (Outside Finish)	Top of Fireplace
B: Sidewall	6" (152 mm)	Side of Fireplace Opening
C: Ceiling	41-1/2" (1054 mm)	Top of Fireplace Opening
D: Mantel Depth (Max.)	15" (381 mm)	Front of Fireplace Opening
E: Alcove Width	72" (1829 mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914 mm)	Front to Back Wall (Maximum)
G: Convection Air Outlet	107" sq (690 cm^2)	Top/Front of Enclosure
H: Convection Air Outlet Opening Ceiling Offset	Min. 2"	Top of Chase Vent Opening
K: Chase Enclosure Ceiling (Min.)	*72" (1823 mm)	From Base of Appliance Floor
L: Clearance to Sprinkler Head (Min.)	36" (914 mm)	Perpendicular From Chase Grill
Notes:	0"	No Hearth Required

IMPORTANT - *A minimum of 107 square inches of open area. Chase enclosure ceiling must be flush with ventilation opening required for all cool wall installations — this can be achieved by having an open area in front. See manual for details.





Alcove

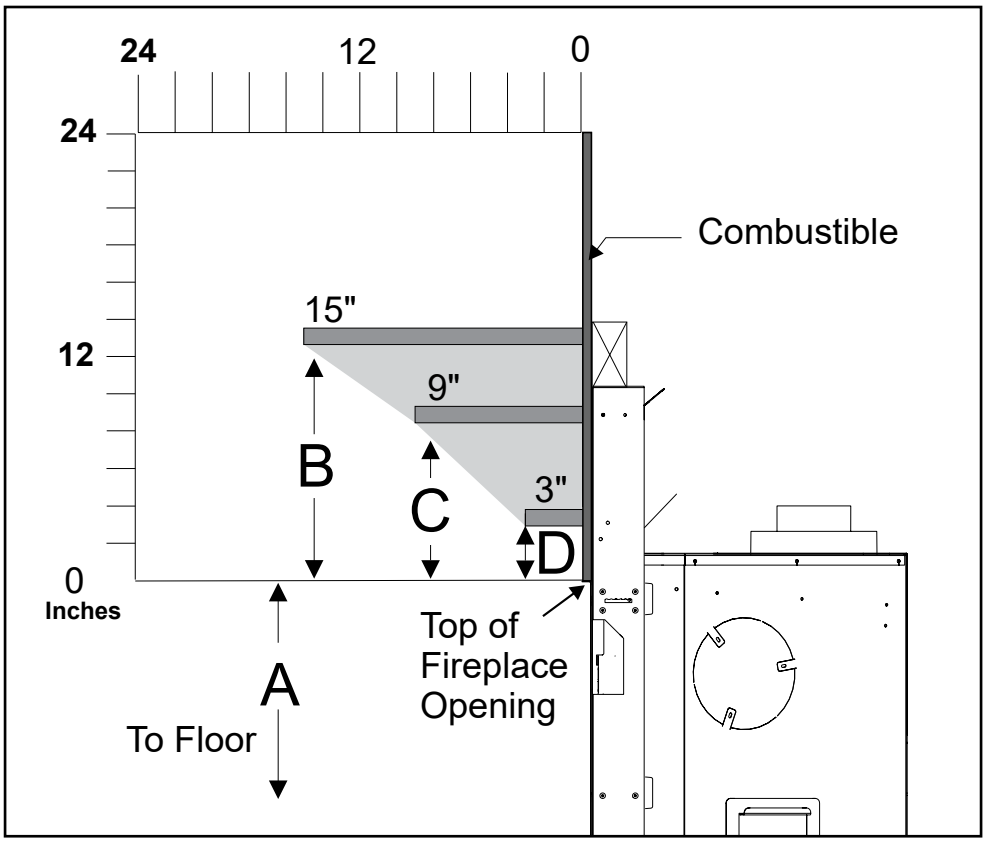


Minimum Vent Clearances to Combustibles

Horizontal Top	2" (51mm)
Horizontal Side	1-1/2 " (38mm)
Horizontal Bottom	1-1/2" (38mm)
Vertical Vent	1-1/2" (38mm)

COOL WALL MANTEL CLEARANCES (CLEAN FRONT FINISH) - COMBUSTIBLE MANTEL

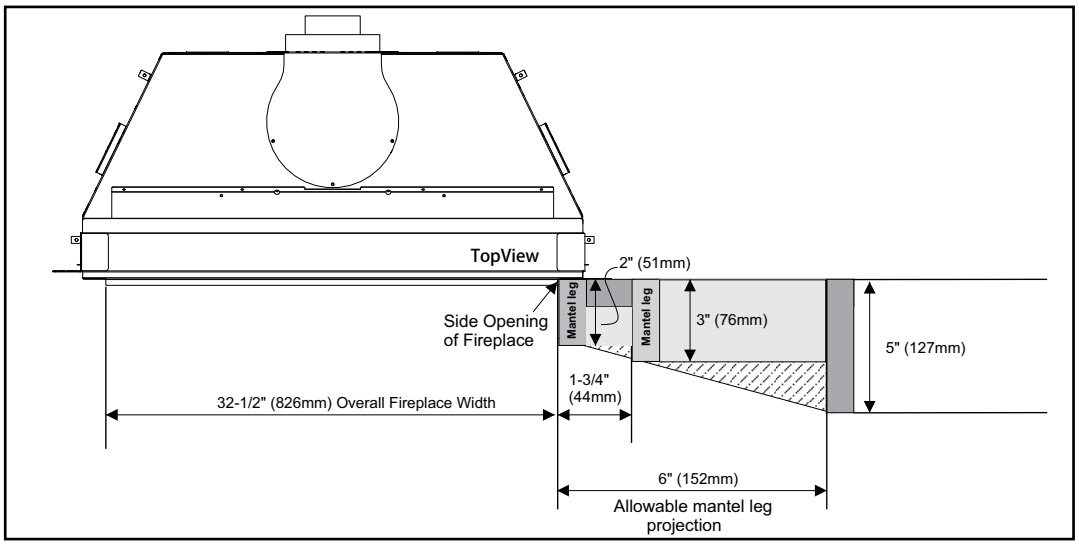
Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the diagram below.



Mantel Clearances G800P	A	B	C	D
From Top of Fireplace Opening	32-1/2" (826 mm)	12" (305 mm)	7-1/2" (191 mm)	3" (76 mm)

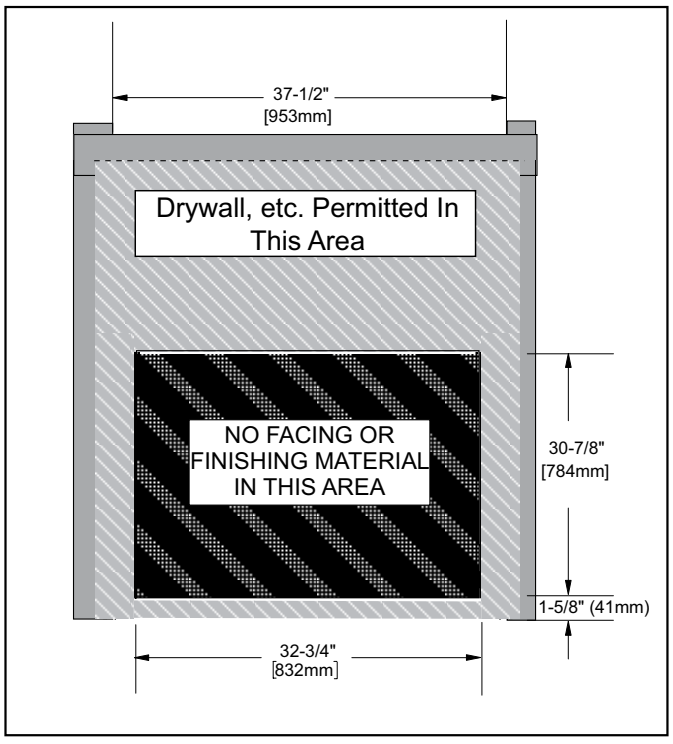
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

COOL WALL MANTEL LEG CLEARANCES (CLEAN FRONT FINISH)



See framing dimensions.

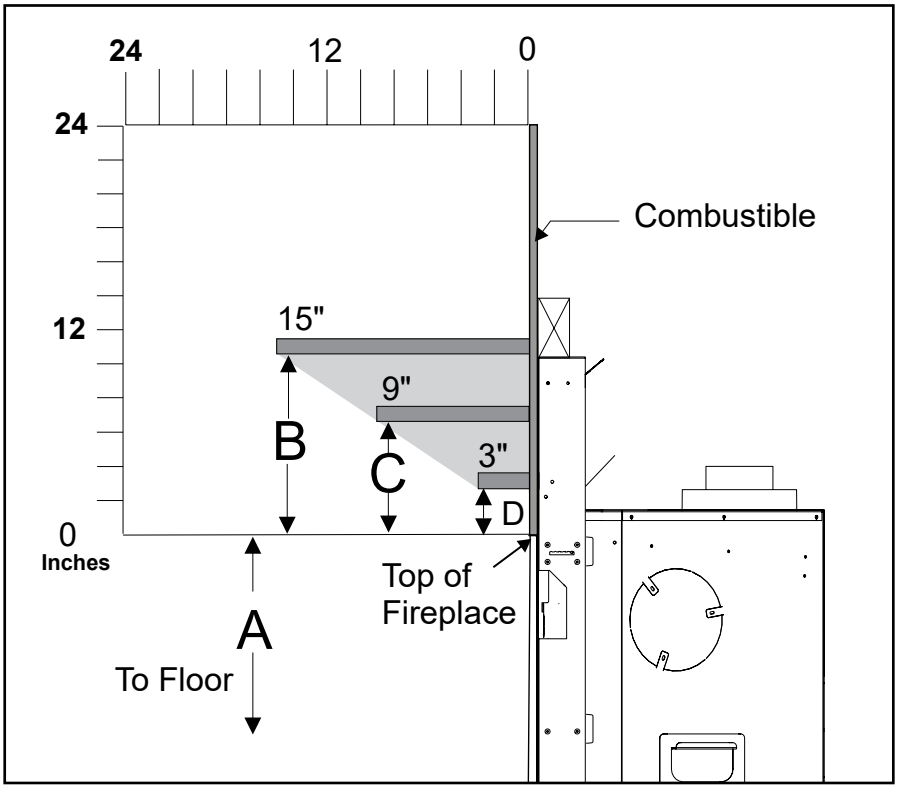
CLEAN FRONT INSTALLATION (COOL WALL)



Note: Drywall permitted around perimeter of fireplace.

COOL WALL MANTEL CLEARANCES (OUTSIDE FINISH) - COMBUSTIBLE MANTEL

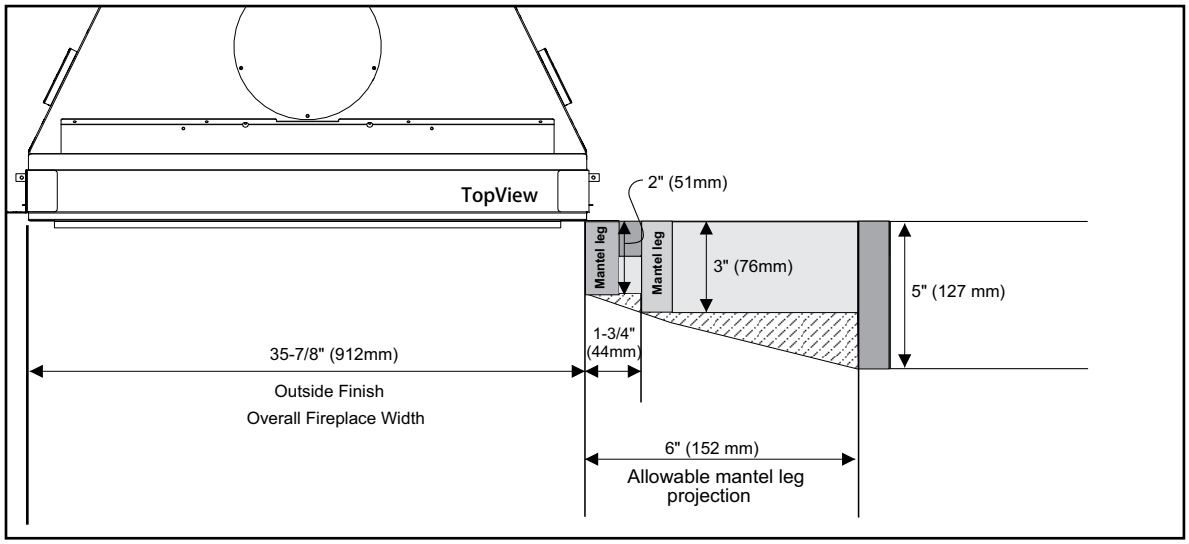
Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the diagram below.



Mantel Clearances G800P	A	B	C	D
From Top of Fireplace	34" (864 mm)	10-1/2" (267 mm)	6" (153 mm)	1-1/2" (38 mm)

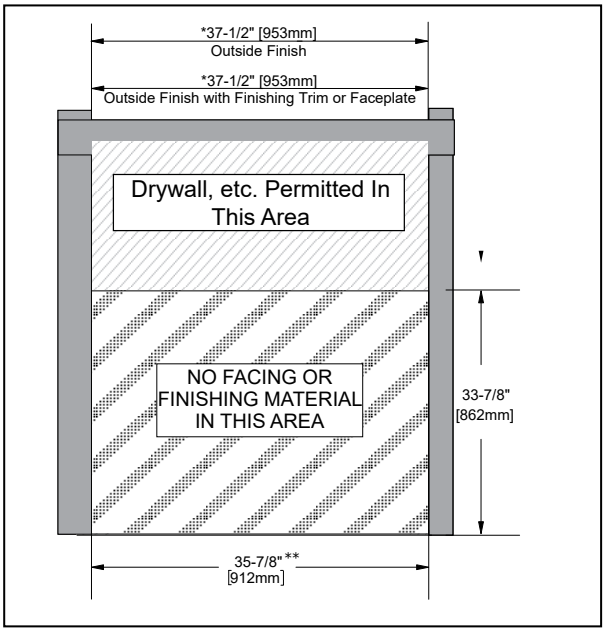
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

COOL WALL MANTEL LEG CLEARANCES (OUTSIDE FINISH)



See framing dimensions.

OUTSIDE FINISH INSTALLATION (COOL WALL)



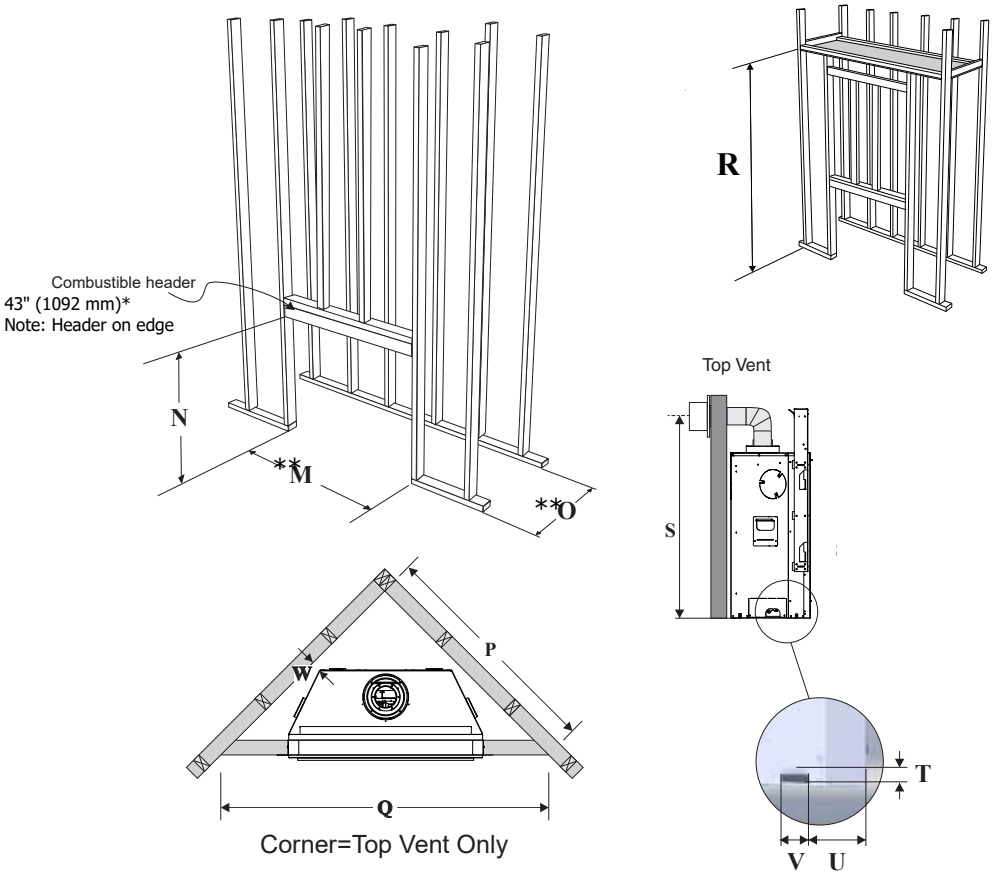
** IMPORTANT: If using either a faceplate or finishing trim option, A 1/2”(13 mm) gap must be maintained on the sides of the fireplace to allow the Finishing trim or Faceplate to be installed and removed.
See **Faceplate Finishing in this manual** for guidelines if you're installing the optional faceplate.

COOL WALL INSTALLATION - FRAMING

Framing Dimensions	Description	Cool Wall	Cool Wall with Finishing Trim or Faceplate
M	Framing Width	37-1/2" (953 mm)	37-1/2" (953 mm)
N*	Framing Height	43" (1092 mm)	
O	Framing Depth	19" (483 mm)	
P	Corner Facing Wall Width	43" (1092 mm)	
Q	Corner Facing Wall Width	60-7/8" (1546 mm)	
R	Framed Chase Ceiling Enclosure	72" (1823 mm)	
S	Vent Centerline Height	44-1/2" (1130 mm)	
T	Gas Connection Height	1-1/2" (38 mm)	
U	Gas Connection Inset	6-3/8" (162 mm)	
V	Gas Connection Width	3" (76 mm)	
W	Clearance to Corner of Unit	1/2" (13 mm)	

*** Important: Framing height requires consideration of the hearth height. Dimension N = N + the thickness of the installed hearth.**

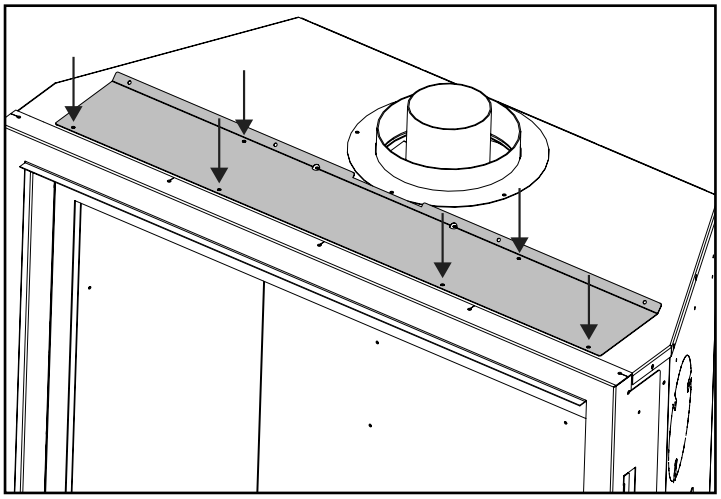
Note: The 2 standoffs at the rear of the appliance may be removed as these are not required in this application. Ensure that any screws that are removed are reinstalled. The 2 standoffs can be recycled/discarded.



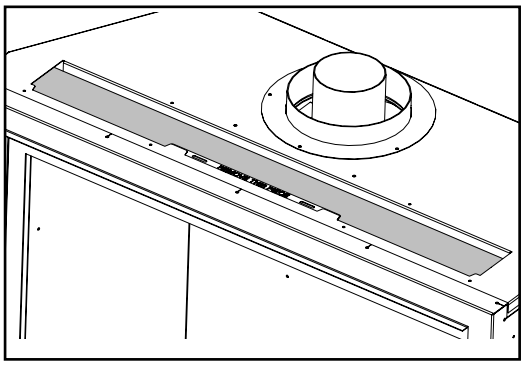
**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 37-1/2" framing width + 1/2" drywall = 38")
(example: M Outside finish with finishing trim/faceplate - 37-1/2" framing width + 1/2" drywall = 38")
(example: O - 19" framing depth + 1/2" drywall = 19-1/2")

COOL WALL INSTALLATION - COOL WALL CONVERSION

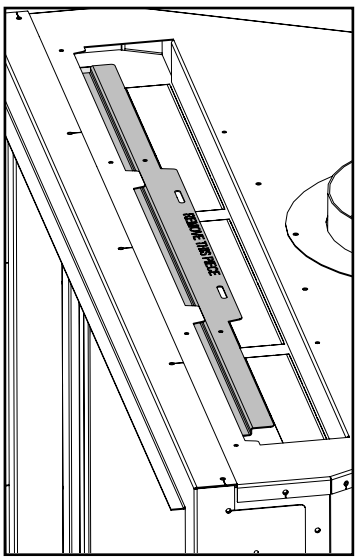
1. Remove six (6) screws to remove top panel.

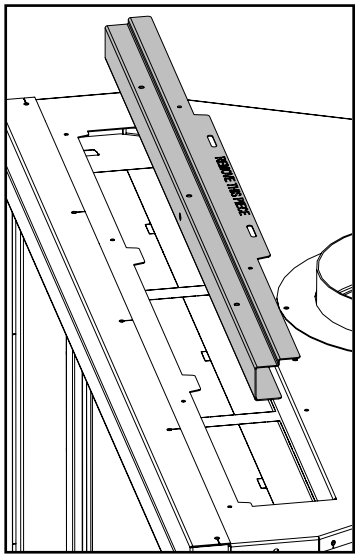


2. Remove insulation from top of unit and discard.

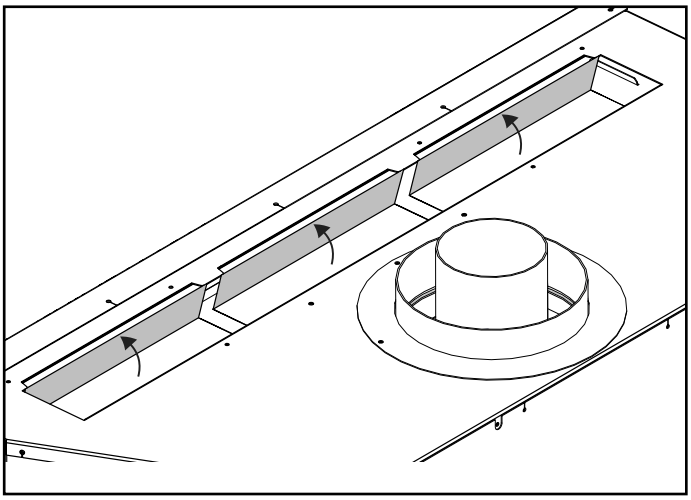


3. Slide out tab as shown to remove—recycle part.

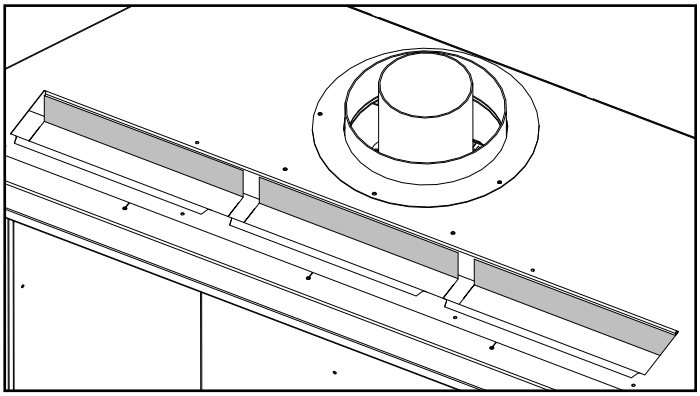




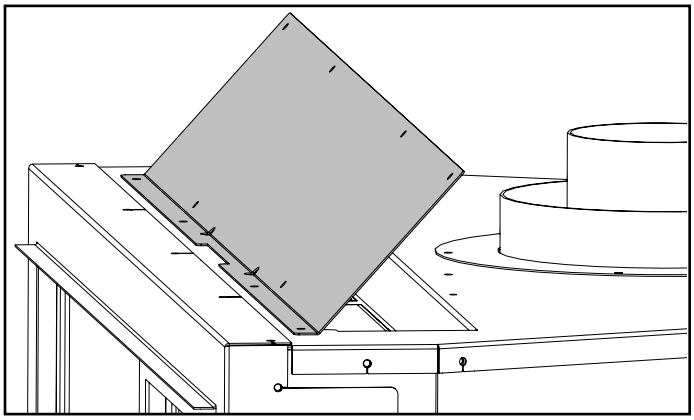
4. Insert a large slotted screwdriver into the slot in between front and back tabs—bend the three (3) tabs up 90° towards the front.
DO NOT REMOVE TABS



5 . Bend the rear three (3) tabs up 90° towards the back of the unit.



6. Flip top panel 180° and reinstall to top of unit with four(4) screws in locations shown below.



CHASE VENTING (COOL WALL)

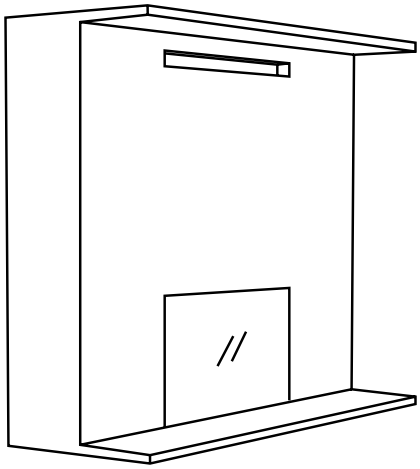
When choosing to install the ventilation openings from the front, the top of the ventilation opening must be flush with the top of the chase enclosure for all installations.
Minimum height of enclosure from base of appliance is 72" (1823mm).
A minimum 107in^2 opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including the examples shown in this manual.

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

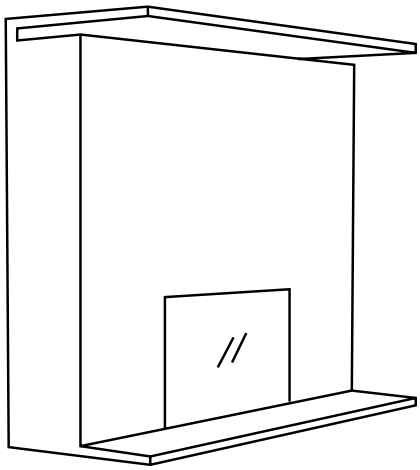
One of the following methods must be used to prevent the heat from escaping.
a. If choosing drywall, ensure that the drywall is butt up tight with no gaps.
b. Plywood, wood studs, etc. installed tightly with no gaps.

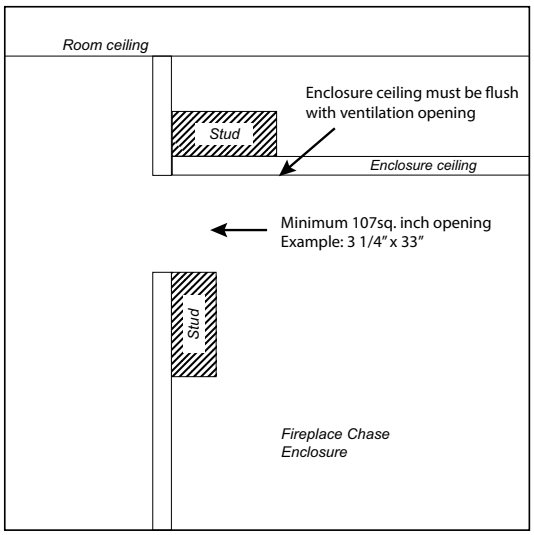
As this appliance has been designed with all hot air escaping through the chase enclosure ventilation/grill openings only, if hot air is trapped as a result of the hot air escaping through joints, crevasses, open studs, or other openings within the enclosure above, this will change the clearances within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

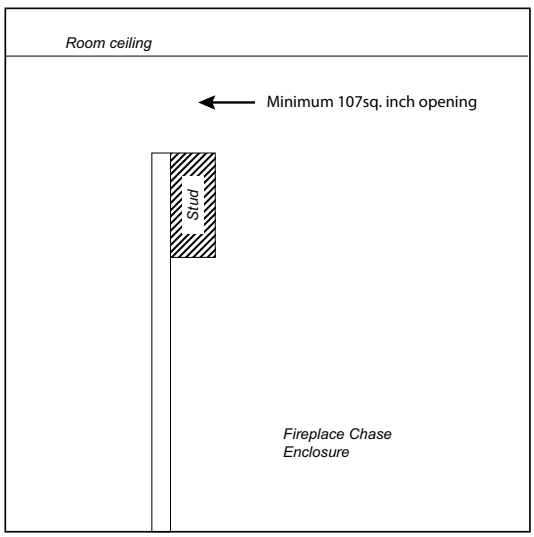
Example 1: Ventilation opening in chase wall, lower than room ceiling



Example 2: Ventilation opening reveal at room ceiling



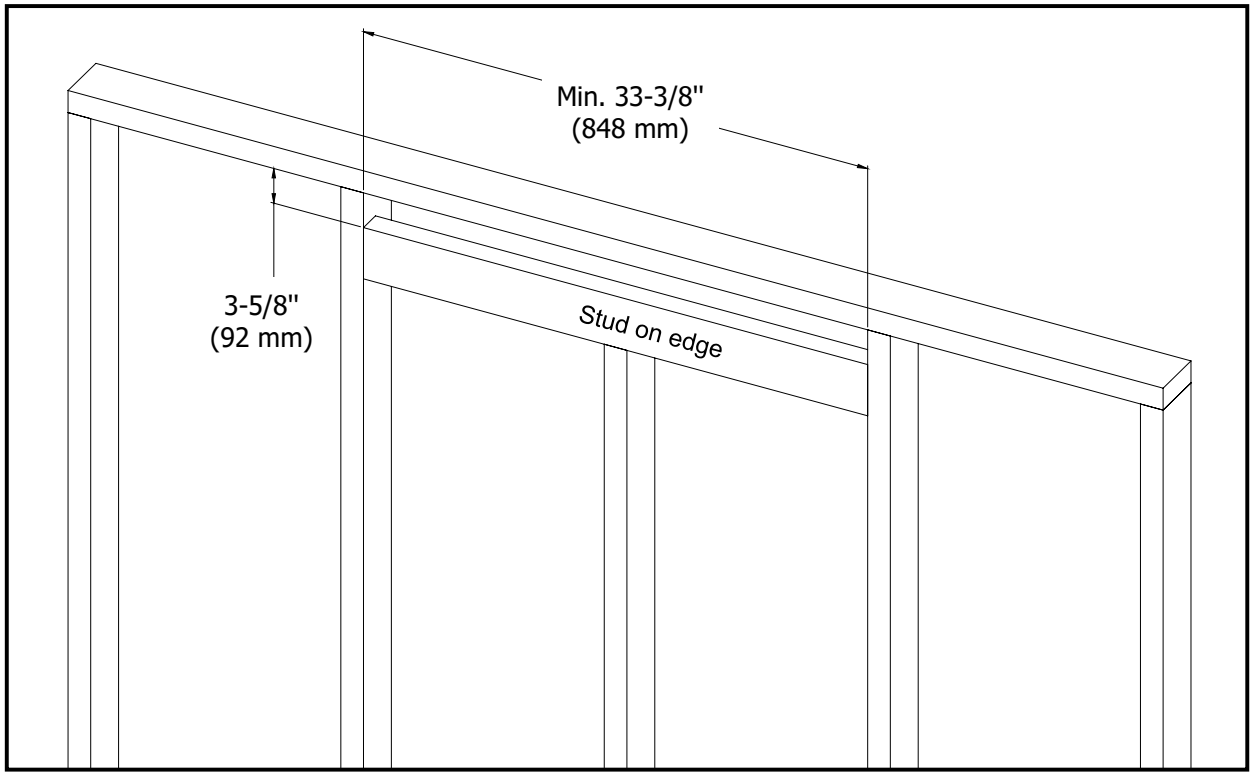


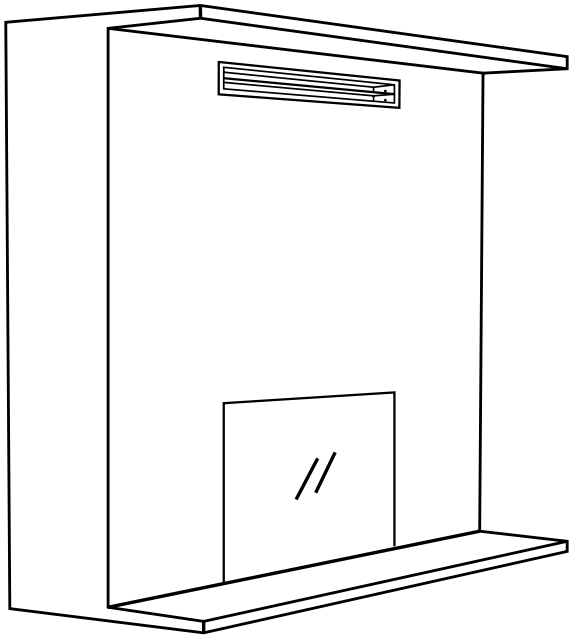


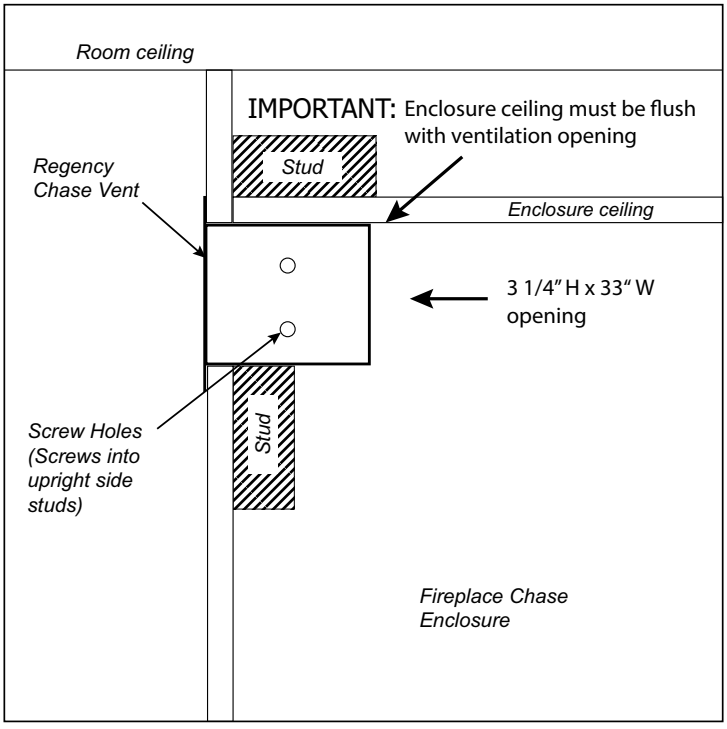
CHASE VENT ENCLOSURE (COOL WALL)

Framed opening must be at least 3-5/8" (92mm) tall, and at least 33-3/8" (848mm) wide to accomodate the Chase vent. The top of the Chase vent opening must be flush with the top of the chase enclosure. Fasten the Chase vent with screws and construction adhesive.

If the chase vent is not being used, a minimum 107in^2 (690cm^2) opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including a reveal at the top of the chase.







CLEAN FRONT INSTALLATION (NON COOL WALL) - CLEARANCES

The clearances listed below are minimum distances unless otherwise stated:

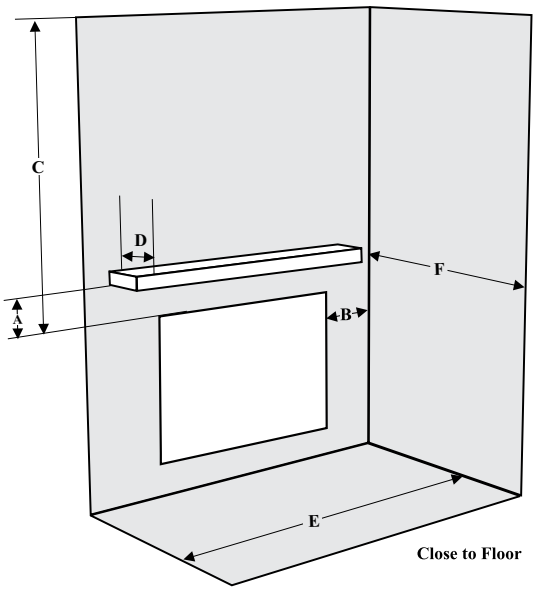
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

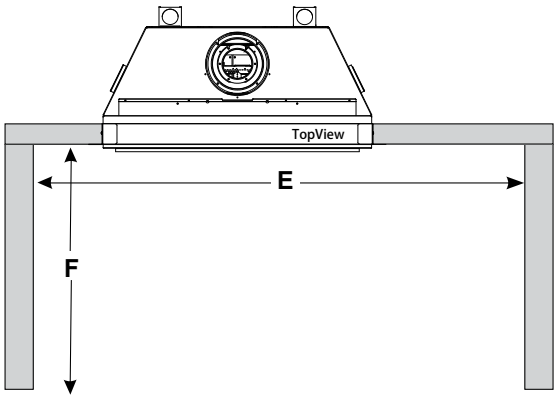
Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

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.

G800P Clearance Requirements		
Clearance:	**Dimension**	**Measured From:**
A: Mantel Height (min.)	21" (533 mm)	Top of Fireplace Opening
B: Sidewall	22" (559 mm)	Side of Fireplace Opening
C: Ceiling	36-1/2" (927 mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	15" (381 mm)	Front of Fireplace Opening
E: Alcove Width	84" (2134 mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914 mm)	Front to Back Wall (Maximum)
Notes:	0"	No Hearth Required

See mantle chart on next page.





Alcove

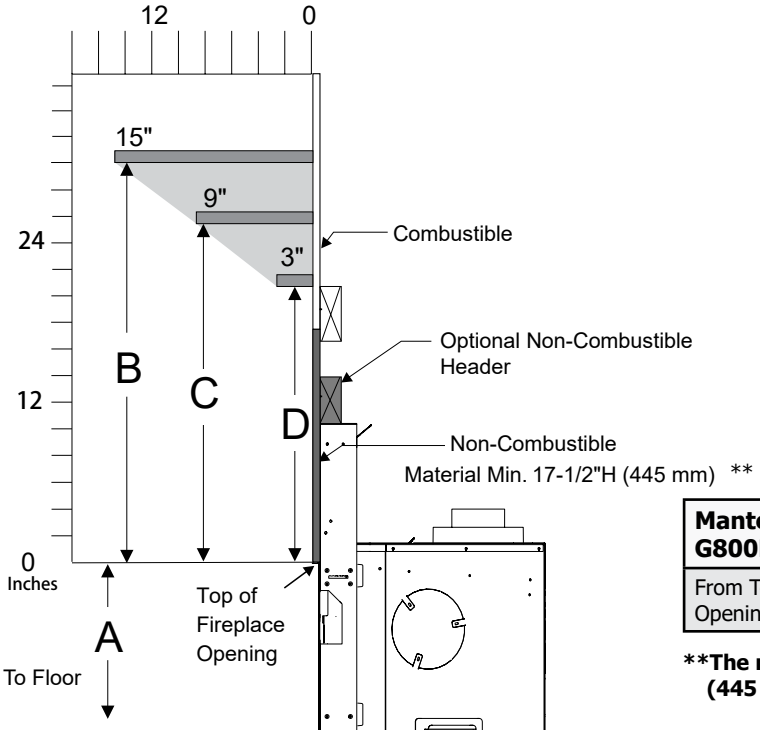
Minimum Vent Clearances to Combustibles

Horizontal Top	2" (51mm)
Horizontal Side	1-1/2 " (38mm)
Horizontal Bottom	1-1/2" (38mm)
Vertical Vent	1-1/2" (38mm)

CLEAN FRONT INSTALLATION (NON COOL WALL) - COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the Diagram on the right.

Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

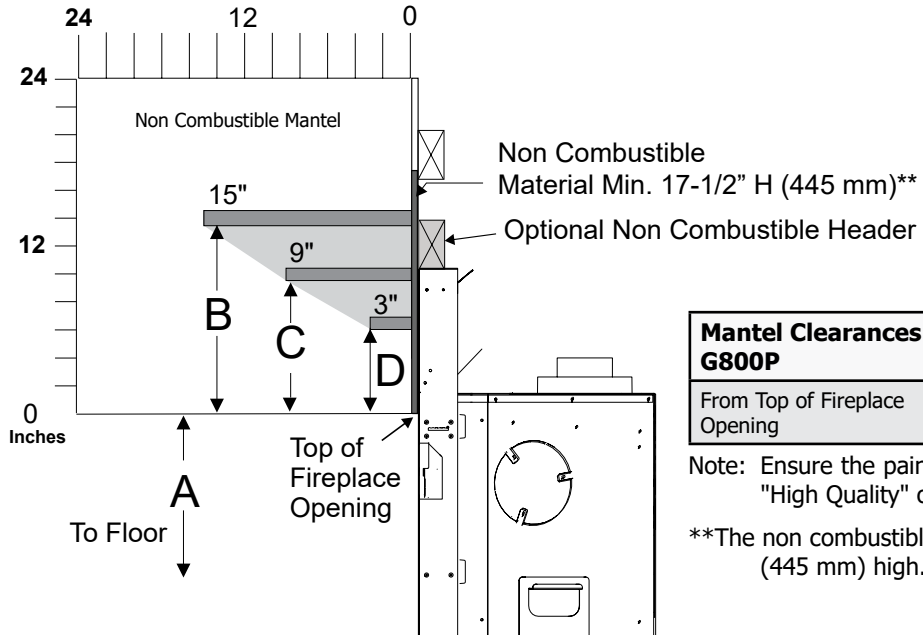


Mantel Clearances G800P	A	B	C	D
From Top of Fireplace Opening	32-1/2" (826 mm)	30" (762 mm)	25-1/2" (648 mm)	21" (533 mm)

****The non combustible board supplied with the appliance is 17-1/2" (445 mm) high.**

CLEAN FRONT INSTALLATION (NON COOL WALL) - NON COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Non combustible mantel clearances from top of front facing are shown in the diagram below.

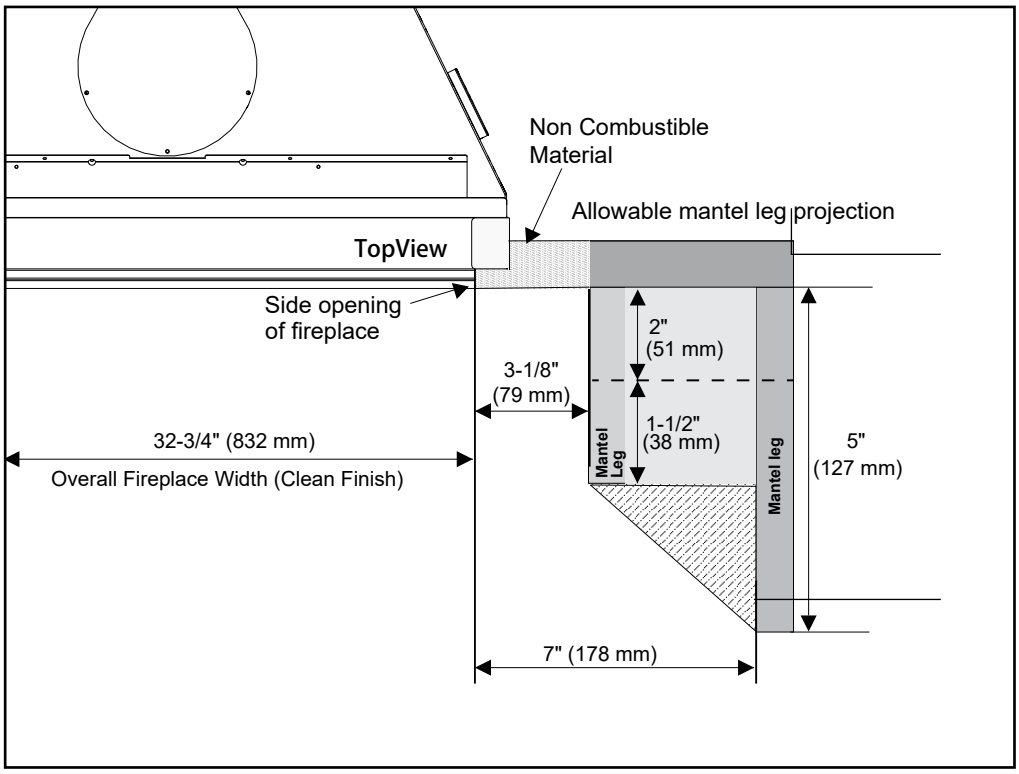


Mantel Clearances G800P	A	B	C	D
From Top of Fireplace Opening	32-1/2" (826 mm)	13-1/2" (343 mm)	9" (229 mm)	6" (152 mm)

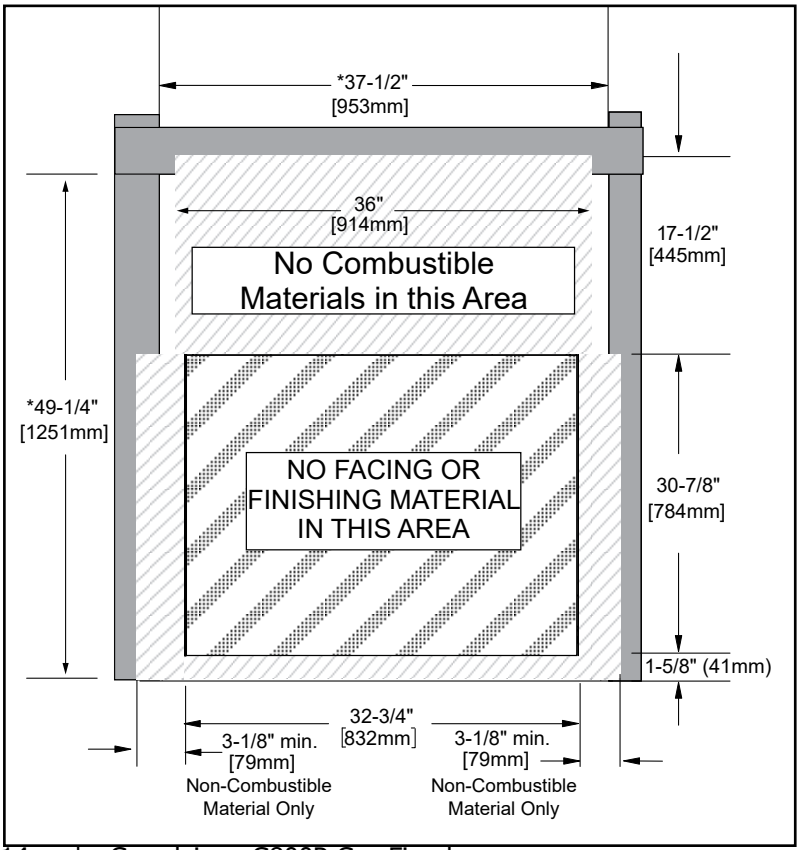
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

**The non combustible board supplied with the appliance is 17-1/2" (445 mm) high.

CLEAN FRONT INSTALLATION (NON COOL WALL) - MANTEL LEG CLEARANCES



CLEAN FRONT INSTALLATION (NON COOL WALL) - NON-COMBUSTIBLE REQUIREMENTS

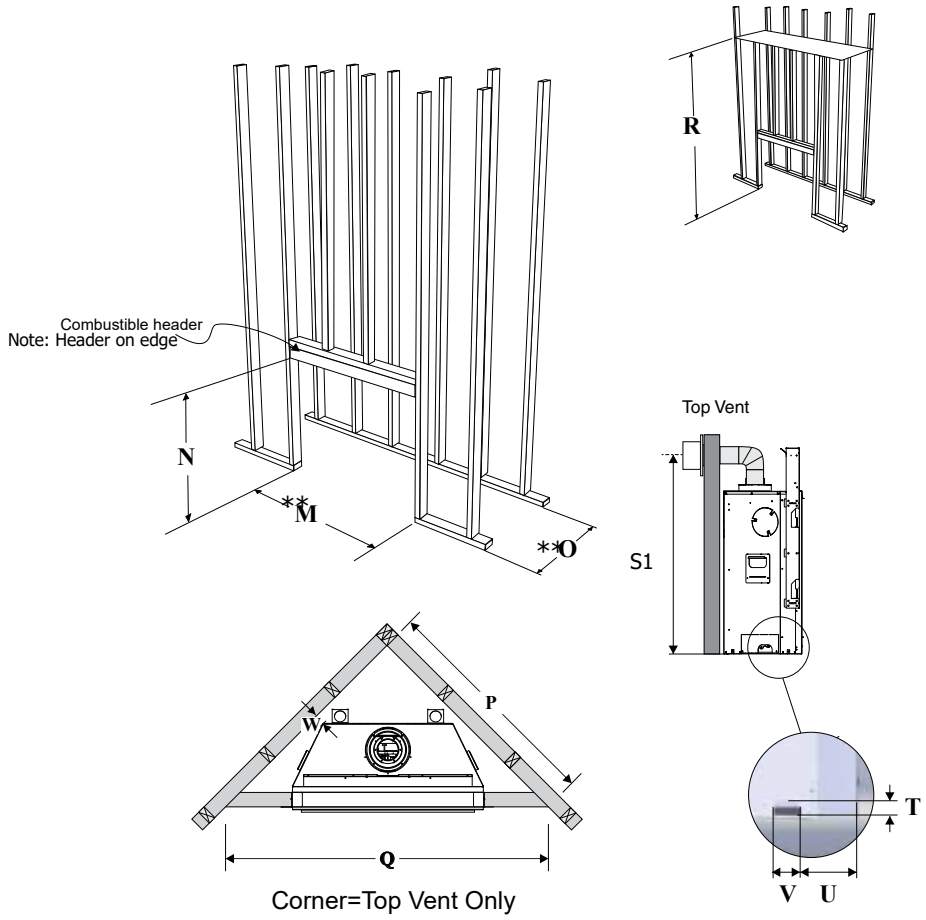


See framing dimensions in this manual.

NON COOL WALL INSTALLATION - FRAMING

Framing Dimensions	Description	Clean Front	Outside Finish
M	Framing Width	37-1/2" (953 mm)	37-1/2" (953 mm)
N*	Framing Height	49-1/4" (1251 mm)	
O	Framing Depth	20" (508 mm)	
P	Corner Facing Wall Width	44-3/8" (1127 mm)	
Q	Corner Facing Wall Width	62-7/8" (1597 mm)	
R	Framed Chase Ceiling	62" (1575 mm)	
S1	Vent Centerline Height	44-1/2" (1130 mm)	
T	Gas Connection Height	1-1/2" (38 mm)	
U	Gas Connection Inset	6-3/8" (162 mm)	
V	Gas Connection Width	3" (76 mm)	
W	Clearance to Corner of Unit	1"(25 mm)	
	Non-combustible Height	17-1/2" (445 mm)	16" (406 mm)

* Important: Framing height requires consideration of the hearth height. Dimension N = N + the thickness of the installed hearth.



Corner=Top Vent Only

**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 36-1/2" framing width + 1/2" drywall = 37")
(example: M Outside finish with finishing trim/faceplate - 37-1/2" framing width + 1/2" drywall = 38")
(example: O - 20" framing depth + 1/2" drywall = 20-1/2")

OUTSIDE FINISH INSTALLATION (NON COOL WALL) - CLEARANCES

The clearances listed below are minimum distances unless otherwise stated:

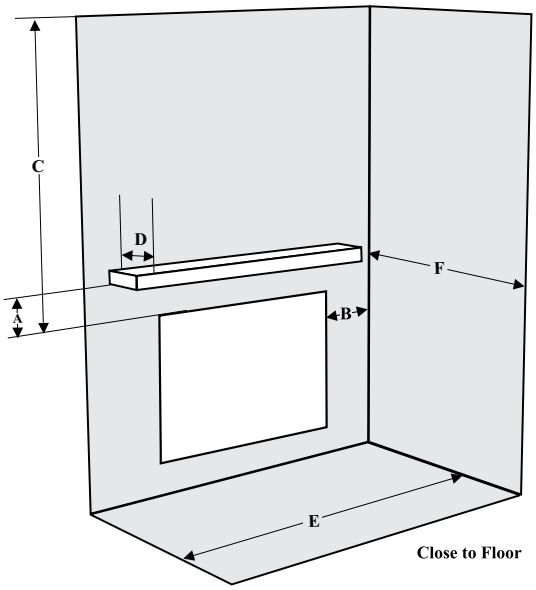
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

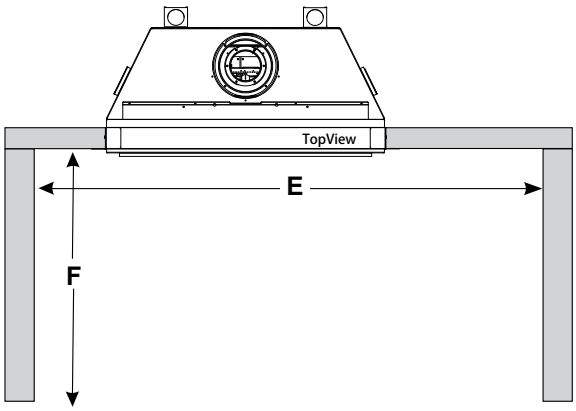
Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

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.

G800P Outside Finish Clearance Requirements		
Clearance:	**Dimension**	**Measured From:**
A: Mantel Height (min.)	19-1/2" (495 mm)	Top of Fireplace
B: Sidewall	22" (559 mm) one side only	Side of Fireplace Opening
C: Ceiling	36-1/2" (927 mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	15" (381 mm)	Front of Fireplace Opening
E: Alcove Width	84" (2134 mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914 mm)	Front to Back Wall (Maximum)
Notes:	0"	No Hearth Required

See mantle chart on next page.





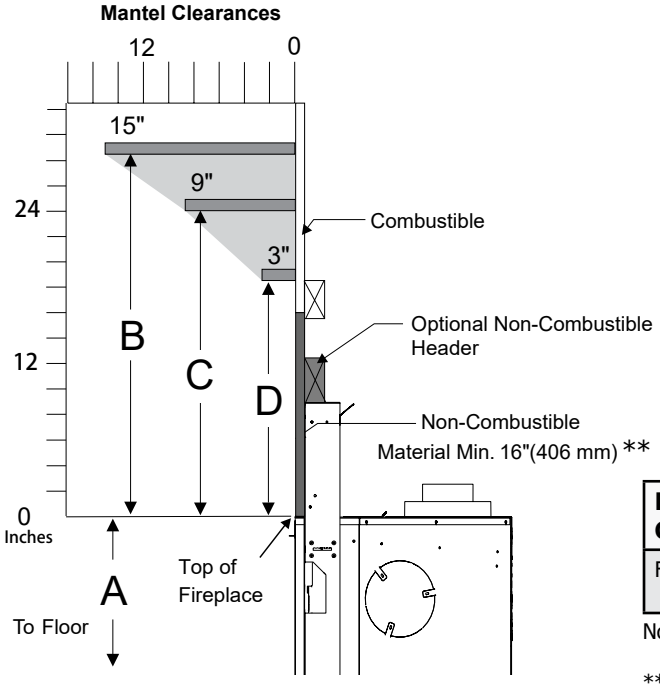
Alcove

Minimum Vent Clearances to Combustibles

Horizontal Top	2" (51mm)
Horizontal Side	1-1/2 " (38mm)
Horizontal Bottom	1-1/2" (38mm)
Vertical Vent	1-1/2" (38mm)

OUTSIDE FINISH INSTALLATION (NON COOL WALL) - COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the Diagram below.



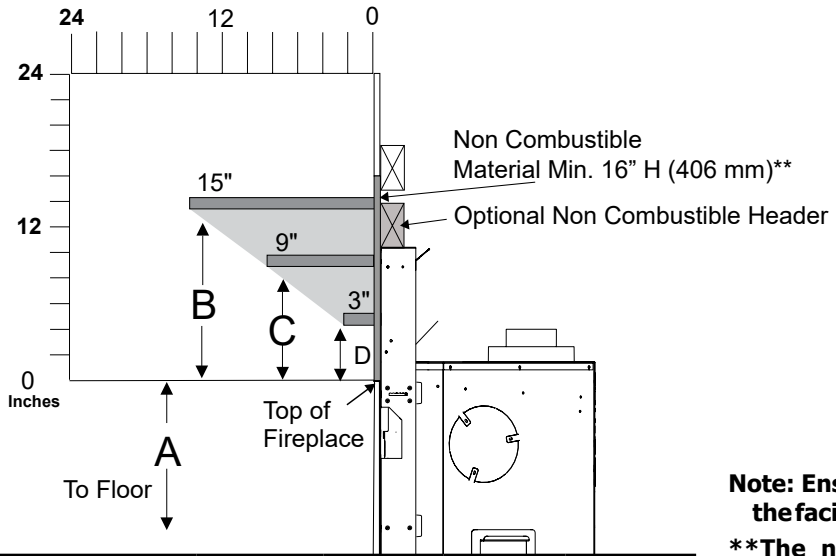
Mantel Clearances G800P	A	B	C	D
From Top of Fireplace	34" (864 mm)	28-1/2" (724 mm)	24" (610 mm)	19-1/2" (495 mm)

Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

**The non combustible board supplied with the appliance is 17-1/2" (445 mm) high. This may be cut to size if desired.

OUTSIDE FINISH INSTALLATION (NON COOL WALL) - NON COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Non Combustible mantel clearances from top of front facing are shown in the Diagram below.

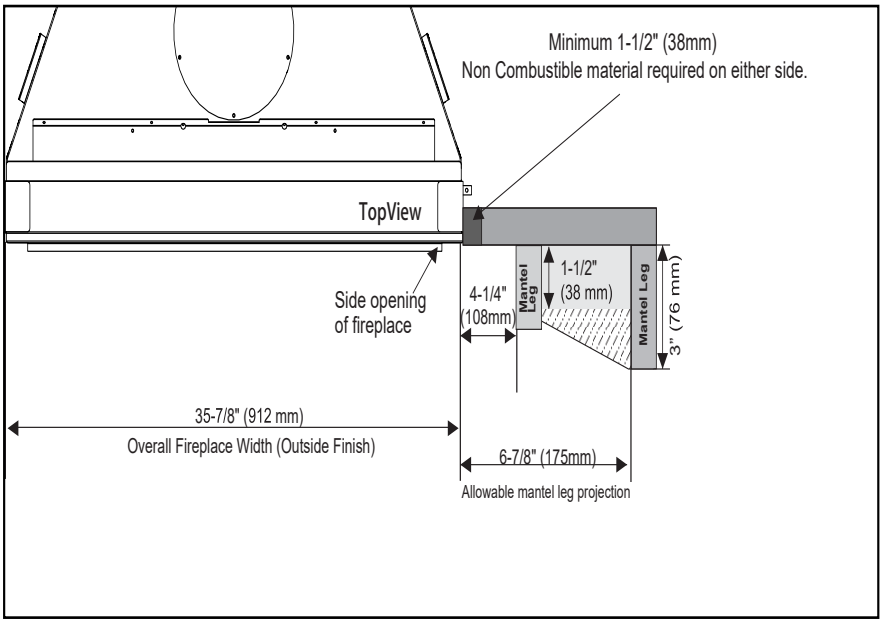


Mantel Clearances G800P	A	B	C	D
From Top of Fireplace	34" (864 mm)	13-1/2" (343 mm)	9" (229 mm)	4-1/2" (114 mm)

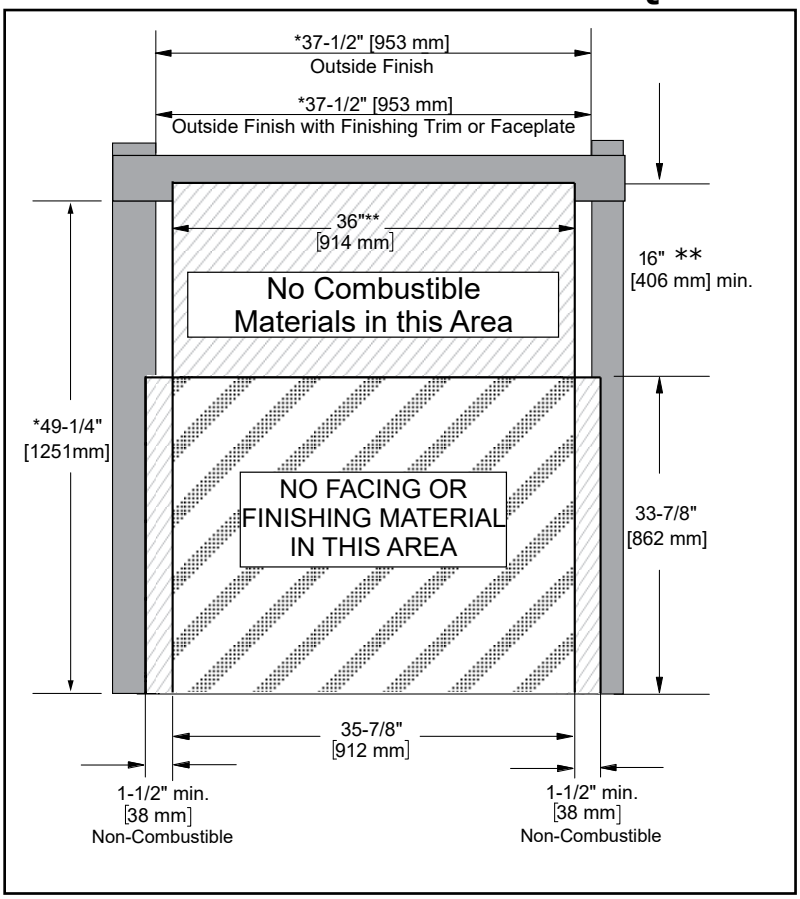
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

****The non combustible board supplied with the appliance is 17-1/2" (445 mm) high. This may be cut to size if desired.**

OUTSIDE FINISH INSTALLATION (NON COOL WALL) - MANTEL LEG CLEARANCES



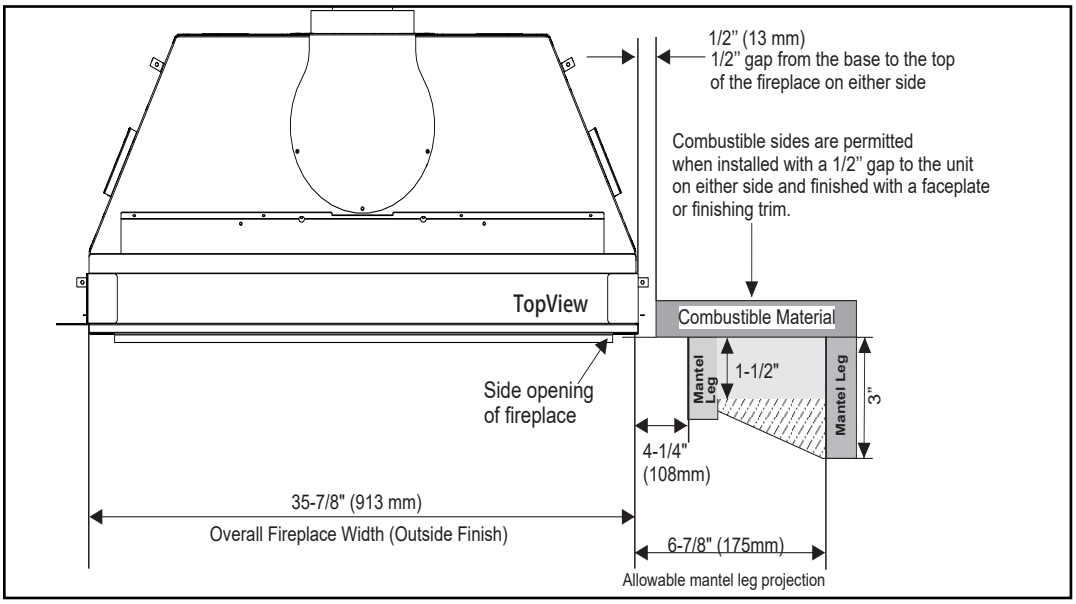
OUTSIDE FINISH INSTALLATION (NON COOL WALL) - NON-COMBUSTIBLE REQUIREMENTS



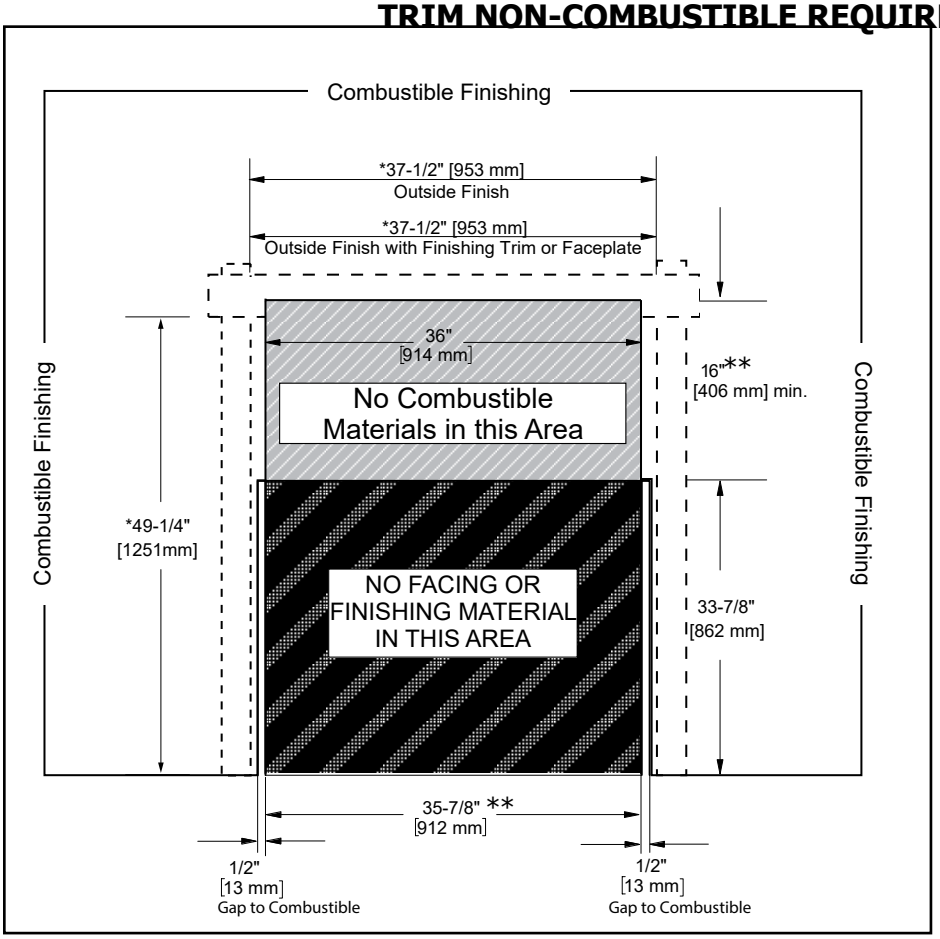
*See framing dimensions in this manual.

****The non combustible board supplied with the appliance is 36" (508 mm) wide to satisfy the requirement for above.**
****The non combustible board supplied with the appliance is 17-1/2" (445 mm) high. This may be cut to size if desired.**

OUTSIDE FINISH INSTALLATION (NON COOL WALL) WITH FACEPLATE OR FINISHING TRIM MANTEL LEG CLEARANCES



OUTSIDE FINISH INSTALLATION (NON COOL WALL) WITH FACEPLATE OR FINISHING TRIM NON-COMBUSTIBLE REQUIREMENTS



*See framing dimensions in this manual.

**The non combustible board supplied with the appliance is 36" (508 mm) wide to satisfy the requirement for above.
**The non combustible board supplied with the appliance is 17-1/2" (445 mm) high. This may be cut to size if desired.

WALL BOARD/DRYWALL INSTALLATION G800P

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 G800P may be finished to the appliance opening with 1/2 inch thick drywall or non combustible material depending on the application and requirements. The nailing flanges allow for adjustments up to 1-1/4" thickness of material.

• Ensure that the back and side clearances are maintained.

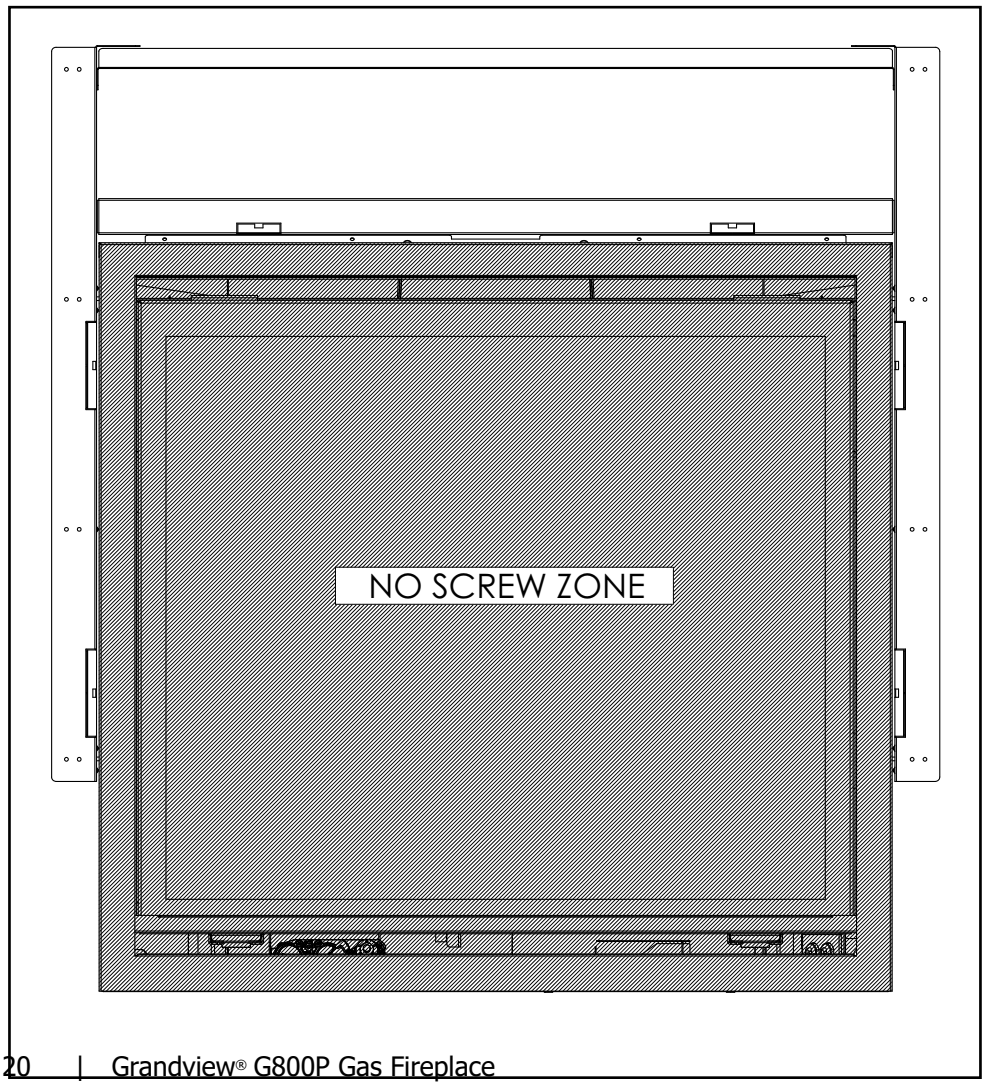
WARNING! Risk of Fire! Maintain specified air space clearances to combustibles. Inadequate air space could cause overheating and fire.

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.

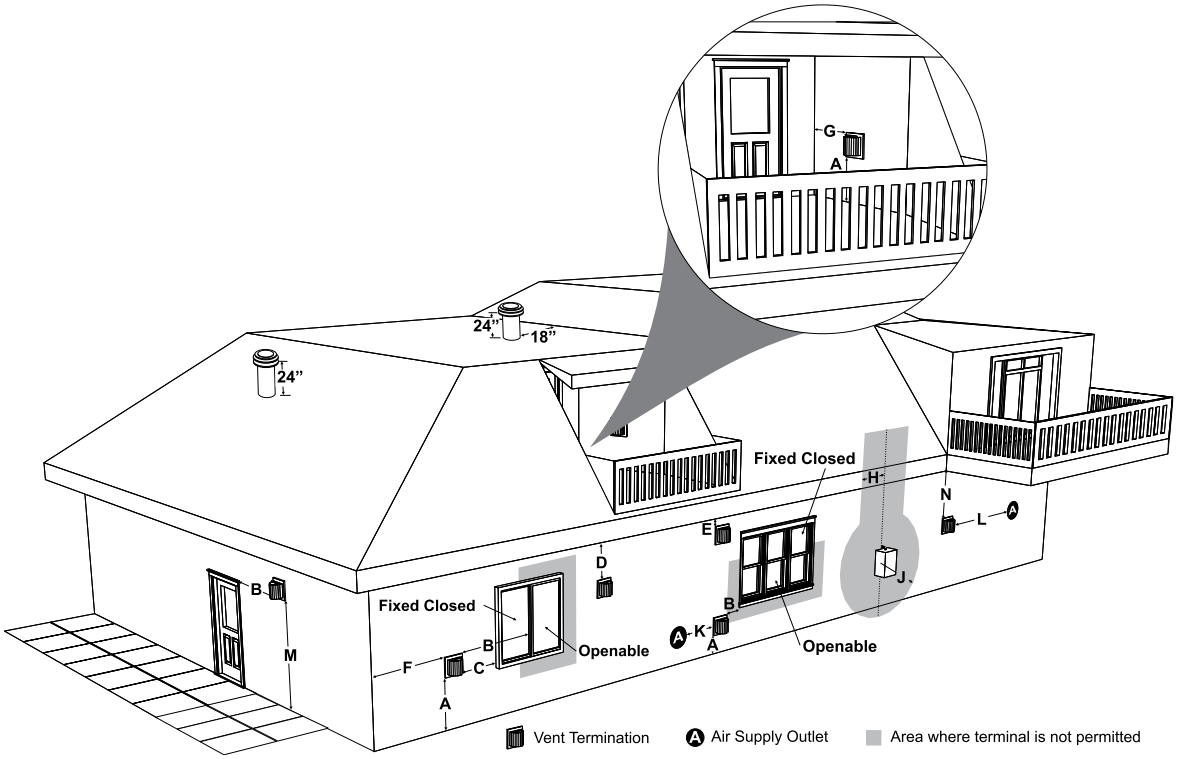
Facing Material
• Facing and/or finishing materials must never overhang into the glass opening.
• Facing materials may be combustible or non-combustible

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.



EXTERIOR VENT TERMINATION REQUIREMENTS (NON POWER VENT)



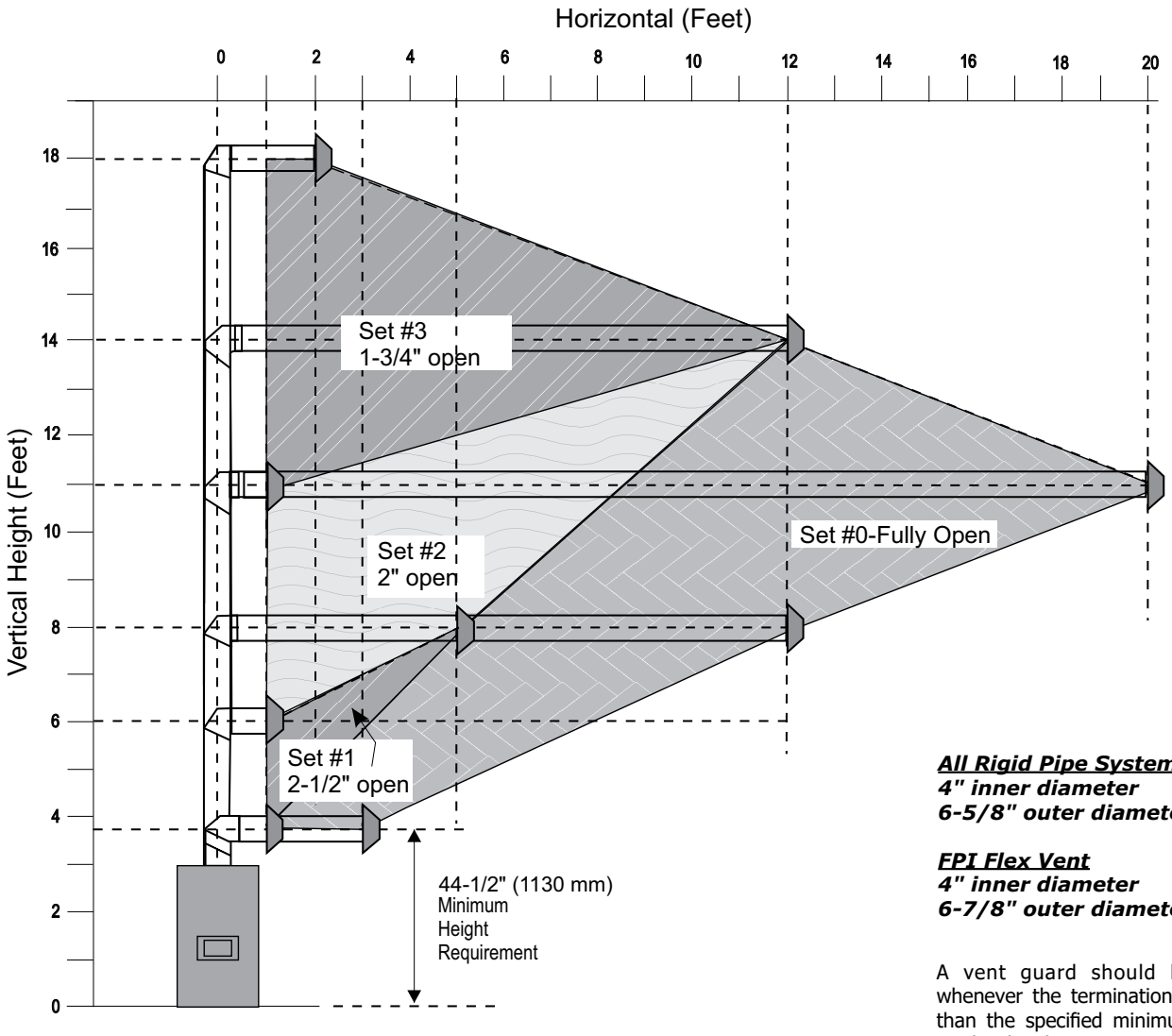
	Minimum Clearance Requirements	Canada[1]	USA[2]
A	Clearance above grade, veranda, porch, deck, or balcony	12" (30cm)	12" (30cm)
B	Clearance to window or door that may be opened	12" (30cm)	9" (23cm)
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61cm) from the center line of the terminal (check with the local code)	24" (60cm)	24" (60cm)
E	Clearance to unventilated soffit - AstroCap - 18" Clearance to unventilated soffit - Duravent - 15"	18" (46cm) 15" (38cm)	18" (46cm) 15" (38cm)
F	Clearance to outside corner: with ***AstroCap*** Termination Cap.	8" (20cm)	8" (20cm)
	Clearance to outside corner: with all other approved Termination Caps.	13" (33cm)	13" (33cm)
G	Clearance to inside corner: with ***AstroCap*** Termination Cap	8" (20cm)	8" (20cm)
	Clearance to inside corner: with all other approved Termination Caps.	11" (28cm)	11" (28cm)
H	Clearance to each side of center line extended above meter/regulator assembly	36" (90cm)[a]	*
J	Clearance to service regulator vent outlet	36" (90cm)	*
K	Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance	12" (30cm)	9" (23cm)
L	Clearance to a mechanical air supply inlet #3' (91cm) above if within 10' (3m) horizontally.	72" (1.8m)	36" (90cm)[b]
M	Clearance above paved sidewalk or a paved driveway located on public property†	84" (2.1m)†	*
N	Clearance under veranda, porch, deck, or balcony‡	12" (30cm)‡	*

[1] In accordance with current CSA B149.1, *Natural Gas and Propane Installation Code*
[2] In accordance with the current *ANSI Z223.1/NFPA 54, National Fuel Gas Code*
† A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings
‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor
* Clearance in accordance with local installation codes and the requirements of the gas supplier
[a] 3 feet (91cm) within a height of 15 feet (4.5m) above the meter / regulator assembly
[b] 3 feet (91cm) above - if within 10 feet (3m) horizontally

VENTING ARRANGEMENTS - HORIZONTAL TERMINATION - RIGID PIPE AND DIRECT VENT SYSTEM (FLEX) (NON POWER VENT)

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

Note: Must use optional rigid pipe adaptor (Part # 510-994) when using Rigid Pipe venting systems.



All Rigid Pipe Systems
4" inner diameter
6-5/8" outer diameter

FPI Flex Vent
4" inner diameter
6-7/8" outer diameter

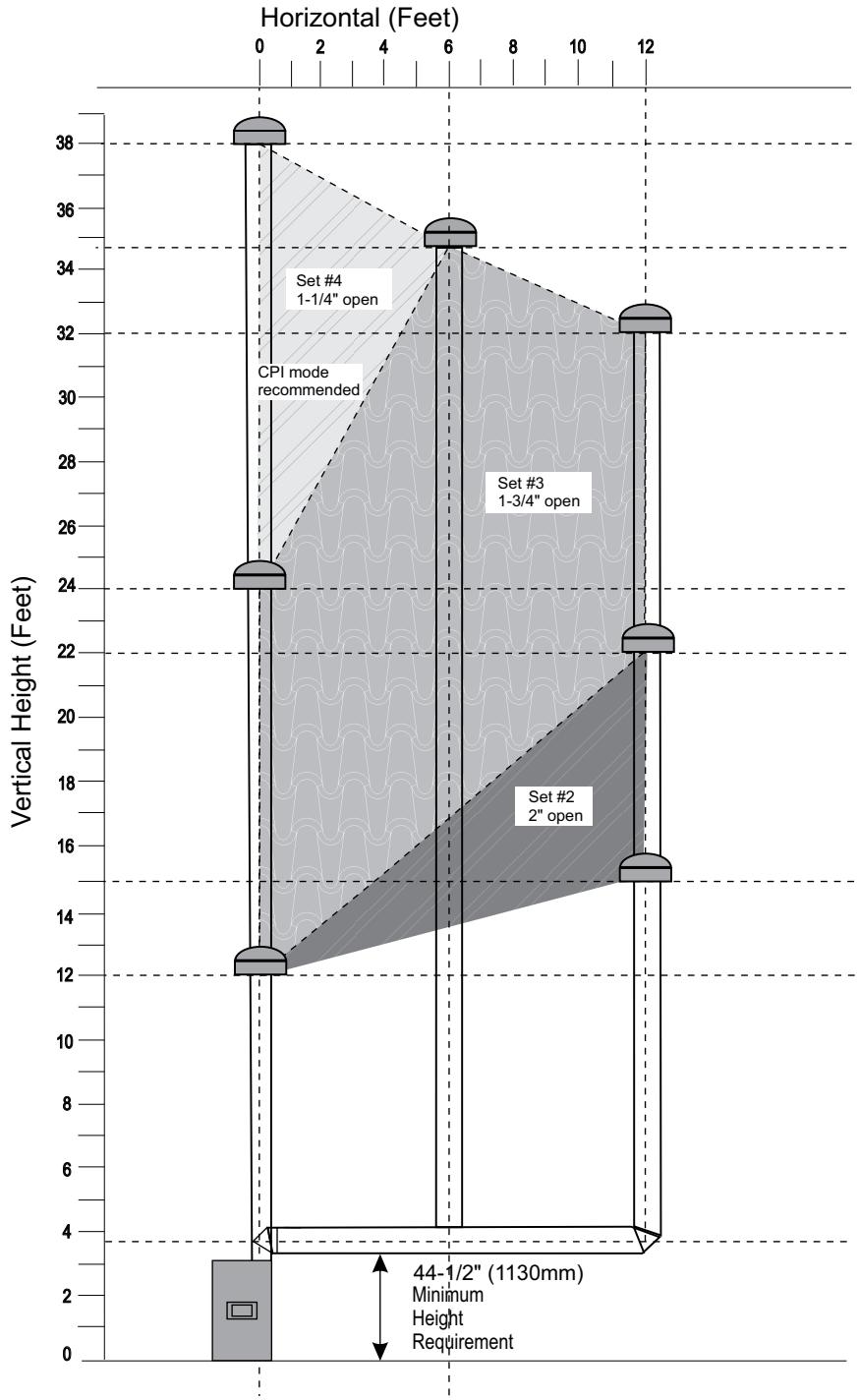
A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.

- Maintain clearances to combustibles.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.

Note: FPI Direct Vent Flex System Part #: 946-515 (4 foot) and 946-516 (10 foot) are only approved for horizontal terminations.
For vent runs longer than 10 ft, only rigid pipe systems may be used.

VENTING ARRANGEMENTS VERTICAL TERMINATION - RIGID PIPE SYSTEM AND VERTICAL FLEX KIT TO SAME LIMITATIONS (NON POWER VENT)

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 vent systems for Propane and Natural Gas.

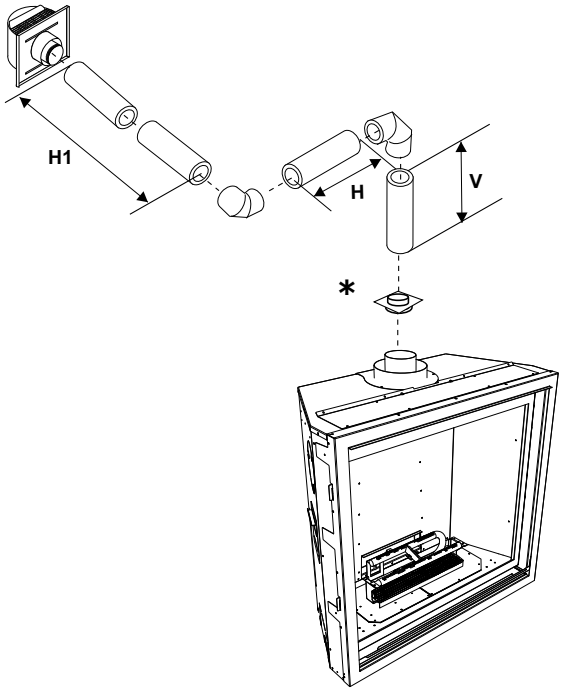


- Vent must be supported at offsets.
- Firestops are required at each floor level and whenever passing through a wall.
- Maintain clearances to combustibles.

Note: Must use optional rigid pipe adaptor when using rigid vent systems (Part # 510-994).

HORIZONTAL TERMINATIONS - TWO 90° ELBOWS - RIGID PIPE AND DIRECT VENT SYSTEM (FLEX) (NON POWER VENT) (PROPANE & NATURAL GAS)

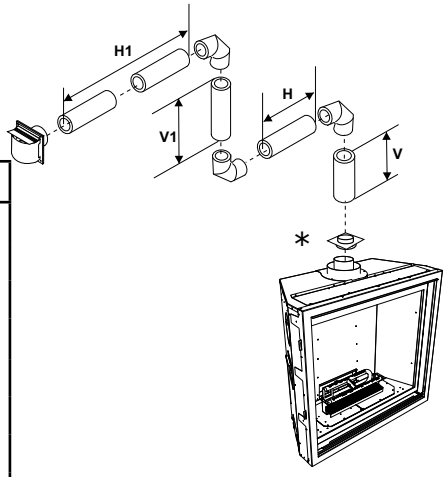
Flex venting limited to a maximum of 10 ft. For vent runs longer than 10 ft, only rigid pipe systems may be used.



One 90° elbow = Two 45° elbows.			
Option	**V**	**H + H1**	With these options, maximum total pipe length is 30 feet (9.14 m) with minimum of 6 feet (1.82 m) total vertical and maximum 8 feet (2.44 m) total horizontal. Please note minimum 1 foot (0.3 m) between 90° elbows is required.
A)	1' (0.3 m) Min.	2' (0.61 m) Max.	
B)	1' (0.3 m) Min.	3' (0.91 m) Max.	
C)	2' (0.61 m) Min.	4' (1.22 m) Max.	
D)	3' (0.91 mm) Min.	5' (1.52 m) Max.	
E)	4' (1.22 m) Min.	6' (1.82 m) Max.	
F)	5' (1.52 m) Min.	7' (2.13 m) Max.	
G)	6' (1.82 m) Min.	8' (2.44 m) Max	
Restrictor Set 0 fully open. Lengths do not include elbows indicated. *Required when using rigid venting.			

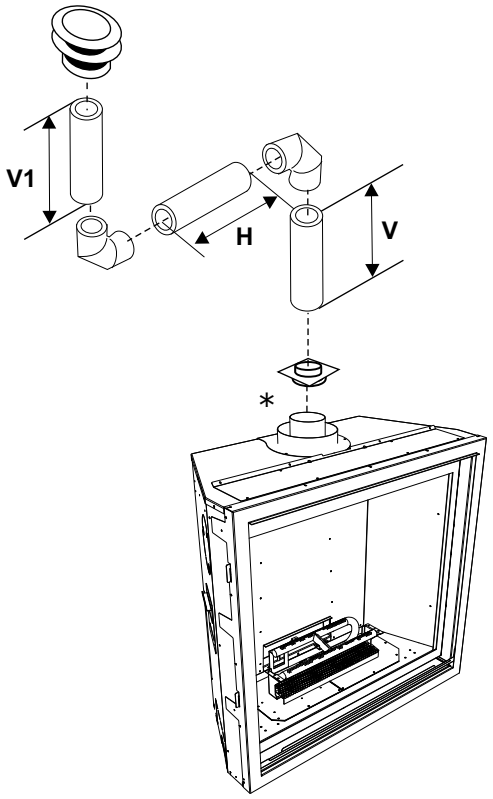
HORIZONTAL TERMINATIONS - THREE 90° ELBOWS - RIGID PIPE AND DIRECT VENT SYSTEM (FLEX) (NON POWER VENT) (PROPANE & NATURAL GAS)

Flex venting limited to a maximum of 10 ft. For vent runs longer than 10 ft, only rigid pipe systems may be used.



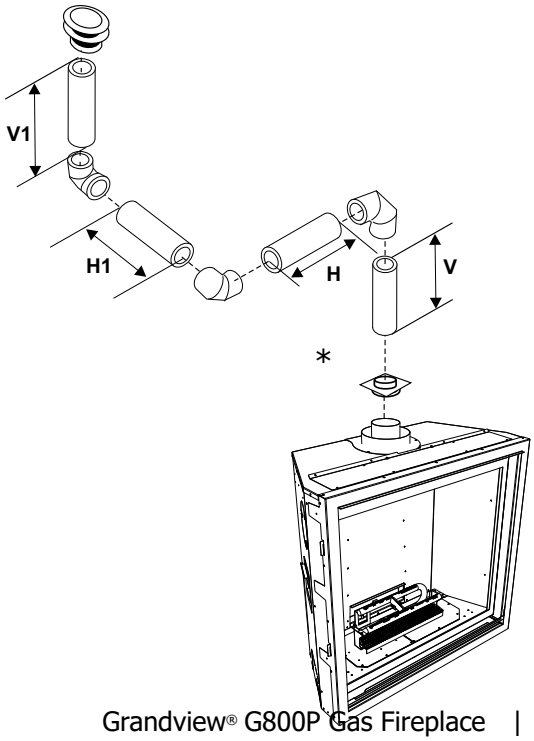
One 90° elbow = Two 45° elbows.					
Option	**V**	**H**	**V + V1**	**H + H1**	With these options, max. total pipe length is 30 feet (9.14 m) with min. of 12 feet (3.66 m) total vertical and max. 9 feet (2.79 m) total horizontal. Please note min. 1 foot (0,3 m) between 90° elbows is required.
A)	1' (0.3 m) Min.	1' (0.3 m) Max.	2' (0.61 m) Min.	2' (0.61 m) Max.	
B)	1' (0.3 m) Min.	2' (0.61 m) Max.	3' (0.91 m) Min.	3' (0.91 m) Max.	
C)	2' (0.61 m) Min.	2' (0.61 m) Max.	5' (1.52 m) Min.	4' (1.22 m) Max.	
D)	3' (0.91 m) Min.	2' (0.61 m) Max.	7' (2.13 m) Min.	5' (1.52 m) Max.	
E)	4' (1.22 m) Min.	3 (0.91 m) Max.	9' (2.74 m) Min.	6' (1.82 m) Max.	
F)	5' (1.52 m) Min.	4' (1.22 m) Max.	10' (3.04 m) Min.	7' (2.13 m) Max.	
G)	6' (1.82 m) Min.	5' (152 m) Max.	11' (3.35 m) Min.	8' (2.44 m) Max.	
H)	7' (2.13 m) Min.	6' (1.82 m) Max.	12' (3.66 m) Min.	9' (2.74 m) Max.	
Restrictor Set 0 fully open. Lengths do not include elbows included. *Required when using rigid venting					

VERTICAL TERMINATIONS - VERTICAL VENTING WITH TWO 90° ELBOWS (NON POWER VENT) (PROPANE & NATURAL GAS) RIGID PIPE SYSTEM AND VERTICAL FLEX KIT TO SAME LIMITATIONS



One 90° elbow = Two 45° elbows.				
Option	**V**	**H**	**V + V1**	With these options, maximum total pipe length is 30 feet with minimum of 7 feet total vertical and maximum 8 feet total horizontal. ***Please note minimum 1 foot between 90° elbows is required.***
A)	0' Min.	2' Max.	1' Min.	
B)	1' Min.	4' Max.	3' Min.	
C)	2' Min.	5' Max.	4' Min.	
D)	3' Min.	6' Max.	5' Min.	
E)	4' Min.	7' Max.	6' Min.	
F)	5' Min.	8' Max.	7' Min.	
Restrictor Set 0 fully open. Lengths do not include elbows included. ***Required when using rigid venting**				

VERTICAL VENTING WITH THREE 90° ELBOWS (NON POWER VENT) (PROPANE & NATURAL GAS) RIGID PIPE SYSTEM AND VERTICAL FLEX KIT TO SAME LIMITATIONS



One 90° elbow = Two 45° elbows.				
Option	**V**	**H + H1**	**V + V1**	With these options, maximum total pipe length is 30 feet with minimum of 10 feet total vertical and maximum 8 feet total horizontal. ***Please note minimum 1 foot between 90° elbows is required.***
A)	0' Min.	2' Max.	2' Min.	
B)	1' Min.	2' Max.	3' Min.	
C)	2' Min.	3' Max.	4' Min.	
D)	3' Min.	4' Max.	6' Min.	
E)	4' Min.	5' Max.	7' Min.	
F)	5' Min.	6' Max.	8' Min.	
G)	6' Min.	7' Max.	9' Min.	
H)	7' Min.	8' Max.	10' Min.	
Restrictor Set 0 fully open. Lengths do not include elbows included. ***Required when using rigid venting**				

VENTING ARRANGEMENTS WITH CO-LINEAR FLEX SYSTEM INTO A MASONRY CHIMNEY (NON POWER VENT) (PROPANE & NATURAL GAS)

THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

This appliance is designed to be attached to two 3" (76mm) co-linear aluminium flex running the full length of the chimney. See the Venting Arrangements on next page for minimum and maximum heights.

Required Parts:

Part #	Description
946-529	Co-linear DV Vertical Termination Cap
948-305	3" Flex - 35 ft.
946-563	Co-Axial to Co-Linear Adapter Kit which contains the following: Co-linear Flex Adapter Outer Pipe Inner Pipe Adapter
510-994	Rigid Pipe Adapter

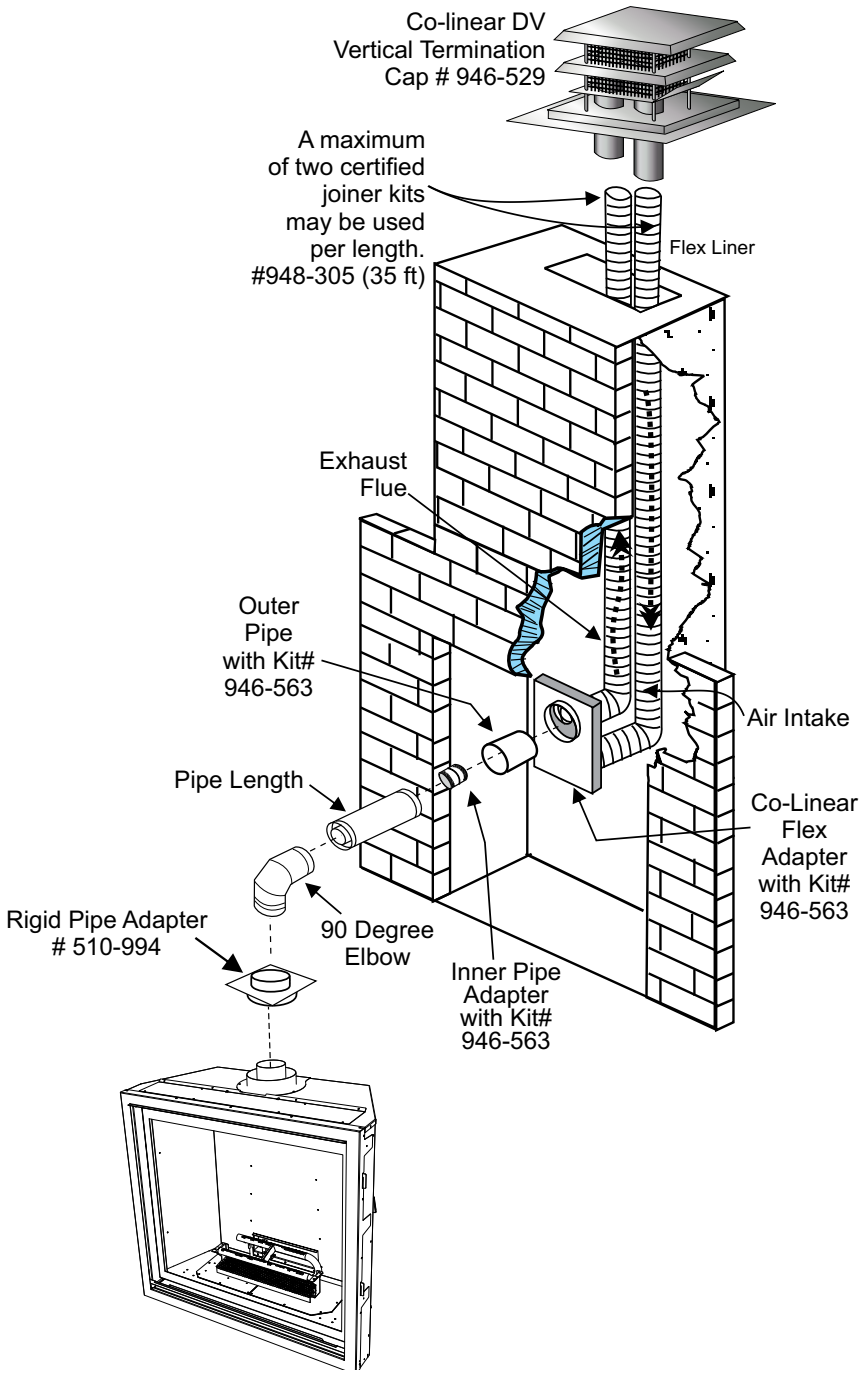
Alternate Approved Caps

46dva-VC	Vertical Termination Cap
46dva-VCH	High Wind Cap
46dva-GK	3" Co-linear Adapter with flashing

NOTE:
See detailed venting arrangements, vertical terminations, co-linear flex system into masonry fireplaces in this manual.

Masonry chimneys may take various contours which the flexible liner will accommodate. However, **keep the flexible liner as straight as possible**, avoid unnecessary bending.

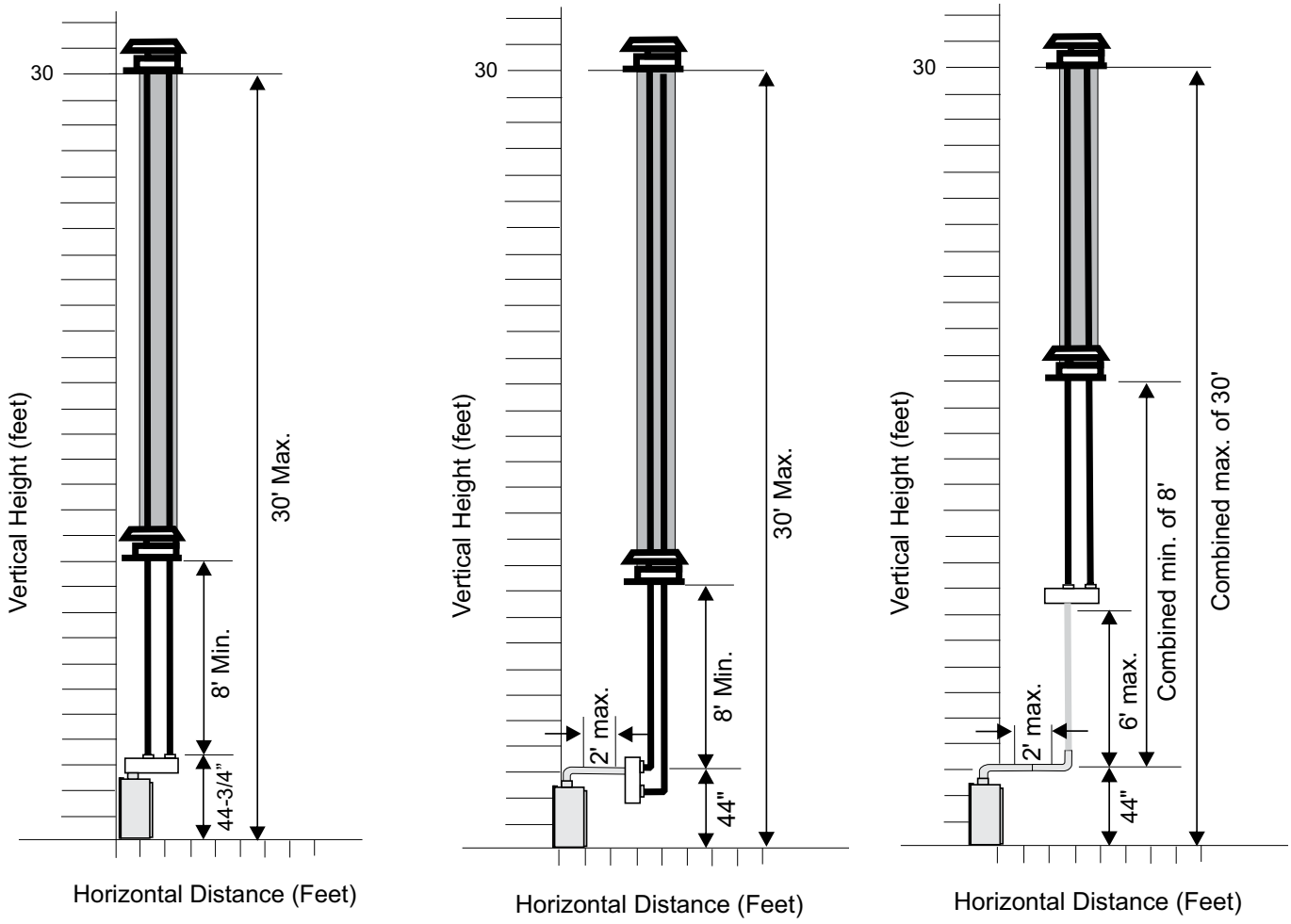
The Air Intake pipe must be attached to the inlet air collar of the termination cap.



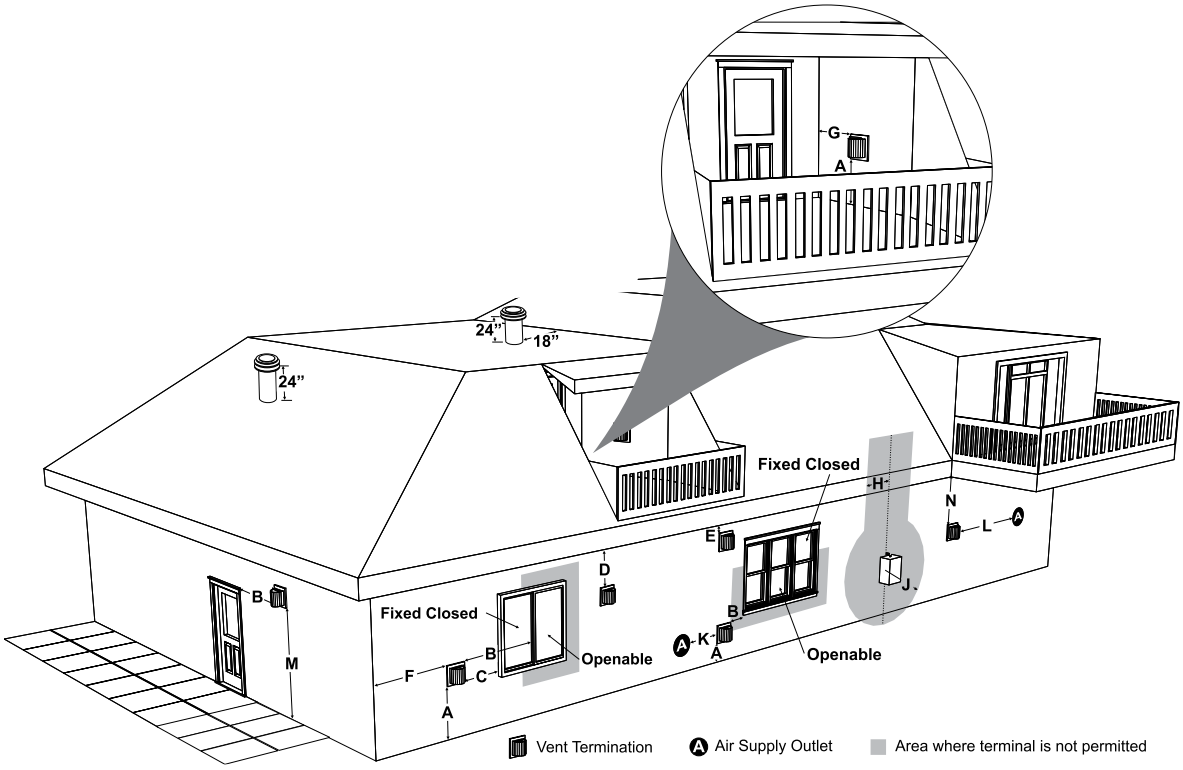
VENTING ARRANGEMENT - VERTICAL TERMINATIONS - CO-LINEAR FLEX SYSTEM INTO MASONRY FIREPLACES (NON POWER VENT) (PROPANE & NATURAL GAS)

FOR BOTH RESIDENTIAL & MANUFACTURED HOMES

Restrictor at Set 2 (2" Open)



EXTERIOR VENT TERMINATION LOCATIONS (POWER VENT)



	Minimum Clearance Requirements	Canada[1]	USA[2]
A	Clearance above grade, veranda, porch, deck, or balcony	12" (30cm)	12" (30cm)
B	Clearance to window or door that may be opened	12" (30cm)	9" (23cm)
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61cm) from the center line of the terminal (check with the local code)	29" (74cm)	29" (74cm)
E	Clearance to unventilated soffit	29" (74cm)	29" (74cm)
F	Clearance to outside corner: with ***PowerVent*** Termination Cap (End of line) Clearance to outside corner: with AstroCap Termination Cap (Inline)	7" (18cm)	7" (18cm)
G	Clearance to inside corner: with ***PowerVent*** Termination Cap (End of line) Clearance to inside corner: with Astro Cap Termination Cap (Inline)	7" (18cm)	7" (18cm)
H	Clearance to each side of center line extended above meter/regulator assembly	36" (90cm)[a]	*
J	Clearance to service regulator vent outlet	36" (90cm)	*
K	Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance	12" (30cm)	9" (23cm)
L	Clearance to a mechanical air supply inlet #3' (91cm) above if within 10' (3m) horizontally	72" (1.8m)	36" (90cm)[b]
M	Clearance above paved sidewalk or a paved driveway located on public property†	84" (2.1m)†	*
N	Clearance under veranda, porch, deck, or balcony‡	12" (30cm)‡	*

[1] In accordance with current CSA B149.1, *Natural Gas and Propane Installation Code*
[2] In accordance with the current *ANSI Z223.1/NFPA 54, National Fuel Gas Code*
† A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings
‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor
* Clearance in accordance with local installation codes and the requirements of the gas supplier
[a] 3 feet (91cm) within a height of 15 feet (4.5m) above the meter / regulator assembly
[b] 3 feet (91cm) above - if within 10 feet (3m) horizontally

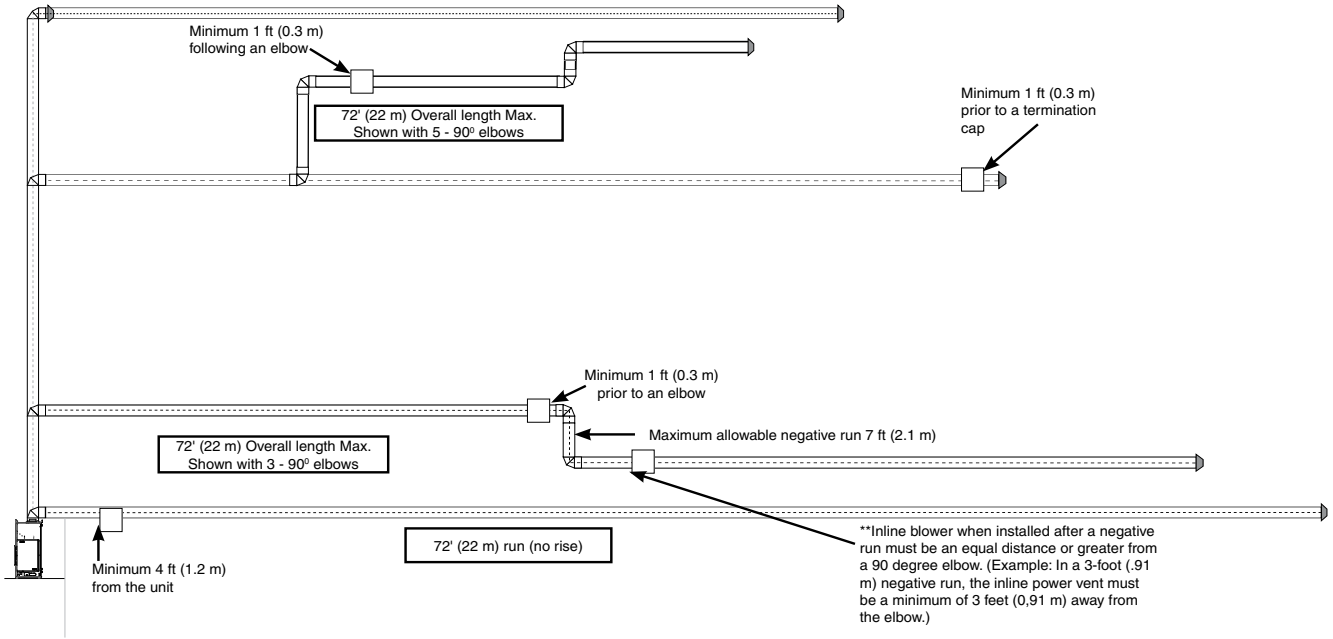
VENT CHART FOR POWER VENT ONLY
HORIZONTAL TERMINATIONS - INLINE HORIZONTAL VENT CHART

This section is for the Power Vent System installation. For a detailed installation information, refer Power Vent System installation instructions that comes with the Power Vent Kit. When you install the Power vented fireplace, you need one of the following Power Vent System Kit depending your venting layout. For the complete Power Vent installation, refer the Power Vent System installation instruction in Power vent system Kit.
In line Power Vent Kit **# 666-945**

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR (PART # 510-994).

NOTES
- Rigid pipe is approved for up to 72 feet (21.95 m).
- Flex pipe is approved for up to 40 feet (12.19 m) using 2 X 20 foot (6.10 m) flex kits (part #946-756).

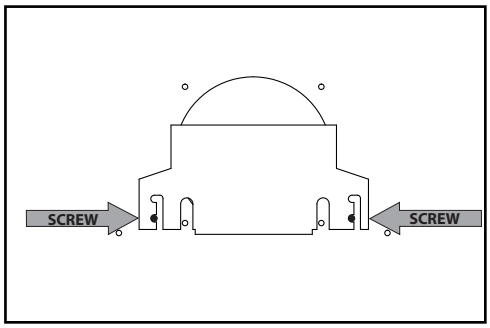
The gas power vent system is designed to allow the installation of a gas appliance when typical vent configurations (shown in this manual) are not possible.



IMPORTANT
- **Maximum total vent length (based on overall length of combined chimney components) = 72' (22 m)**
- **Maximum total negative vent length = 7' (2.1 m).**
- **Do not run positive venting after a negative run.**
- **Maximum of six - 90° elbows permitted.**
- **One 90° elbow = two 45° elbows.**
- **Minimum 4' (1.2 m) from the unit prior to terminating.**

Inline power vent location restrictions:
Minimum 4 ft (1.2 m) from the unit
Minimum 1 ft (0.3 m) prior to an elbow.
Minimum 1 ft (0.3 m) following an elbow.
Minimum 1 ft (0.3 m) prior to a termination cap.
When the inline blower is installed after a negative run, for every foot of negative run the inline blower must be an equal distance or greater from the 90-degree elbow. See example above.

VENT RESTRICTOR POSITION (IN LINE)



Set 4
1-1/4" open

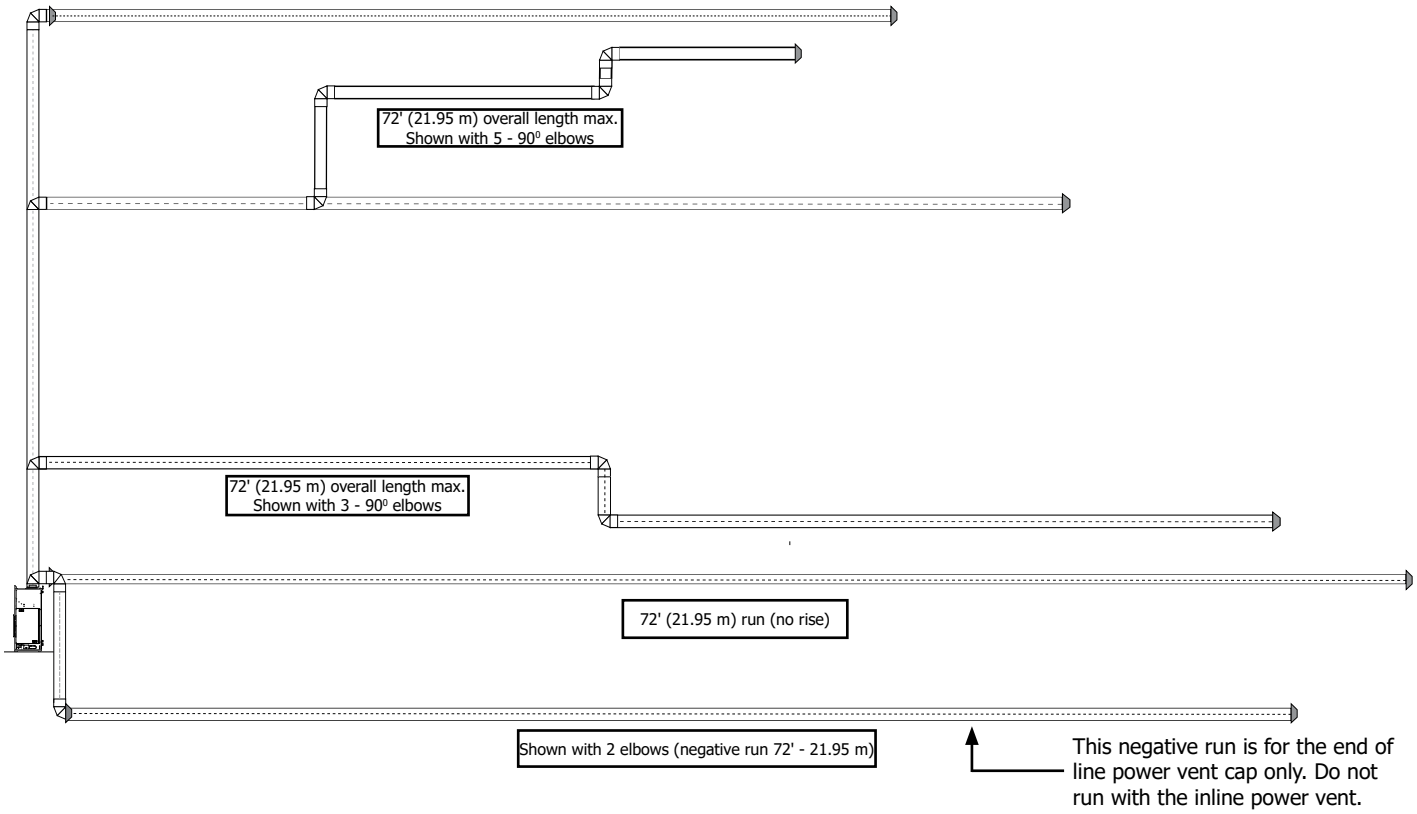
VENT CHART FOR POWER VENT ONLY
HORIZONTAL TERMINATIONS - END OF LINE HORIZONTAL VENT CHART

For the complete Power Vent installation, refer the Power Vent System installation instruction in Power vent system Kit
End Line Power Vent Kit **# 946-535**

RIGID PIPE: MUST USE RIGID PIPE ADAPTOR (PART # 510-994).

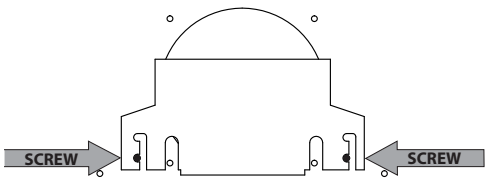
NOTES
- **Rigid pipe is approved for up to 72 feet (22 m).**
- **Flex pipe is approved for up to 40 feet (12.2 m) using two 20 foot (6.1 m) flex kits (part # 946-756).**

The gas power vent system is designed to allow the installation of a gas appliance when typical vent configurations (shown in this manual) are not possible.



IMPORTANT
- **Maximum total vent length (based on overall length of combined chimney components) = 72' (21.95 m)**
- **Maximum total negative vent length = 7' (2.1 m).**
- **Do not run positive venting after a negative run.**
- **Maximum of six - 90° elbows permitted.**
- **One 90° elbow = two 45° elbows.**
- **Minimum 4' (1.2 m) from the unit prior to terminating.**

VENT RESTRICTOR POSITION (END OF LINE)



Set 4
1-1/4" open

VENT CHART FOR POWER VENT ONLY
VENTING ARRANGEMENT FOR VERTICAL TERMINATIONS
IN LINE POWER VENT RIGID/FLEX
IN LINE POWER VENT KIT # 666-945

Vertical venting with straight vertical venting and or with a max. of six (6) 90° Elbows (1 - 90° = 2 - 45°)

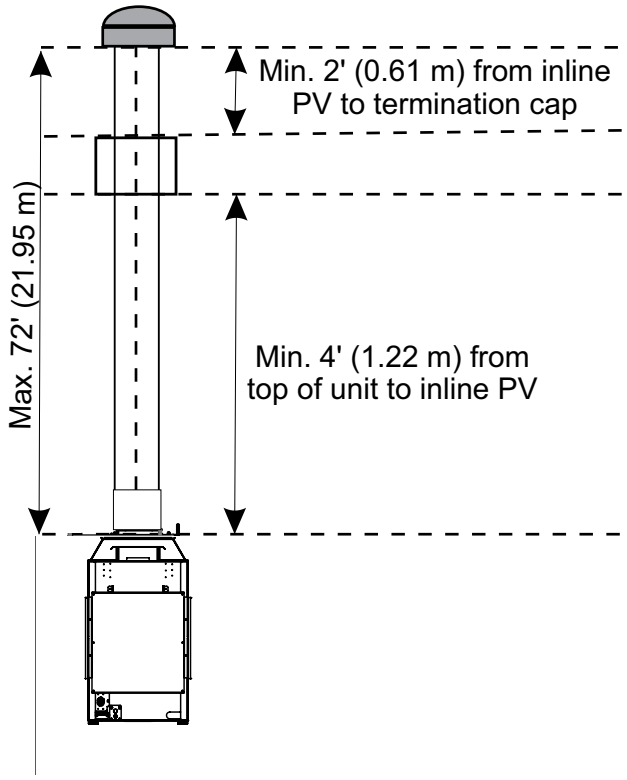
NOTES
- Rigid pipe is approved for up to 72 feet (22 m).
- Flex pipe is approved for up to 40 feet (12.2 m) using one 20 foot (6.1m) 20 foot Vertical Flex kit (part # 946-755) & one 20 foot (6.1 m) extension flex kit (part # 946-756).

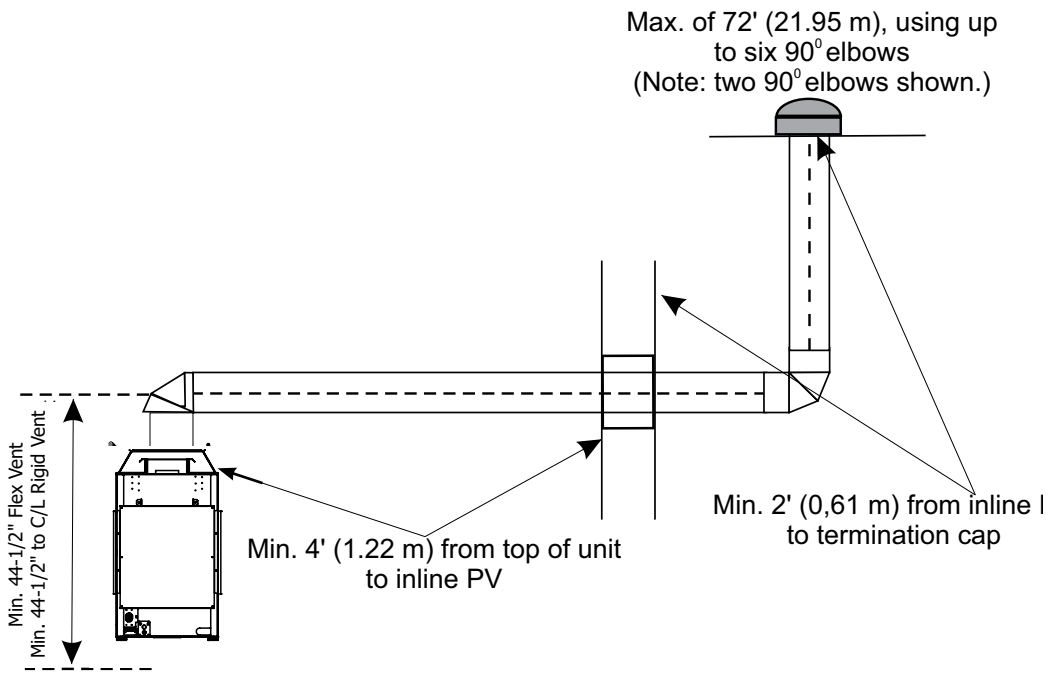
- Two 45° elbows equal to one 90° elbow.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (0.3 m).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.91 m).
- Firestops are required at each floor level and whenever passing through a wall.

Restrictor at Set 4 (1-1/4" open) regardless of vent run.

Inline power vent location restrictions:
- Minimum 4 ft (1.2 m) from the unit.
- Minimum 1 ft (0.3 m) prior to an elbow.
- Minimum 1 ft (0.3 m) following an elbow.
- Minimum 2 ft (0.6 m) prior to a termination cap.
- Minimum 2 ft. from inline PV to termination cap.
- Minimum 4' from top of unit to inline PV.
- Max. of 72' (22 m), using up to six 90° elbows
- (Example shows two 90° elbows).
- No negative runs.

NOTE
- **The inline power vent must be installed within the confines of the home/structure.**

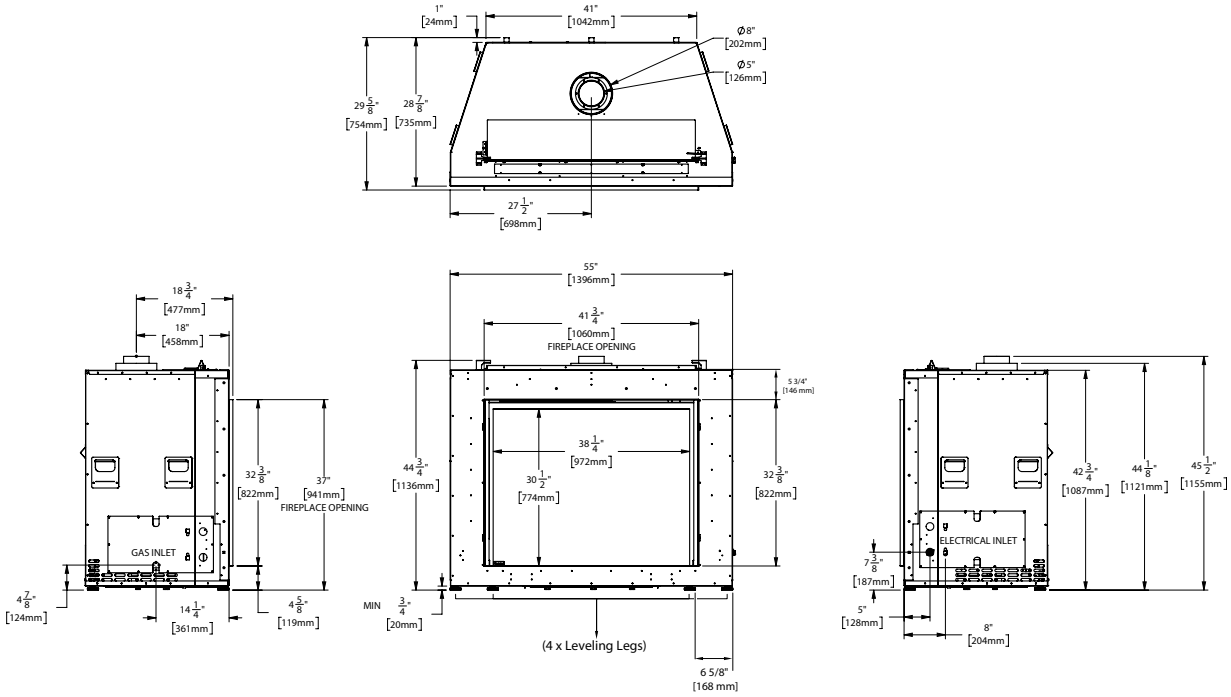




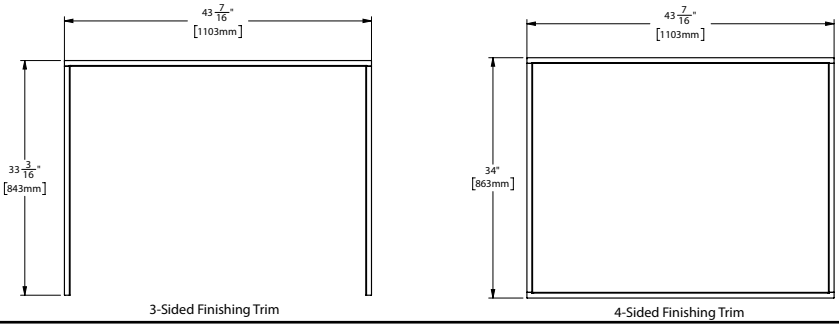
GRANDVIEW G1200P Gas Fireplace

MODEL	G1200P-NG	G1200P-LP
Fuel Type	Natural Gas	Propane
Min. Supply Pressure	5" W.C. (1.25 kPa)	11" W.C. (2.74 kPa)
Manifold Pressure - High	3.5" W.C. (0.87 kPa)	10" W.C. (2.49 kPa)
Manifold Pressure - Low	1.6" W.C. (0.39 kPa)	6.4" W.C. (1.60 kPa)
Orifice Size - Altitude 0-4500 ft	Left #46 DMS Middle #45 DMS Right #45 DMS	Left #56 DMS Middle #56 DMS Right #55 DMS
Minimum Input Altitude 0-4500 ft. (0-1372m)	13,500 Btu/h (3.96 kW)	13,500 Btu/h (3.96 kW)
Maximum Input Altitude 0-4500 ft. (0-1372m)	53,000 Btu/h (15.53 kW)	53,000 Btu/h (15.53 kW)
CSA P.4.1 Fireplace Efficiency (FE)	66.58%	67.96%

UNIT DIMENSIONS



MINIMUM FIREPLACE DIMENSIONS

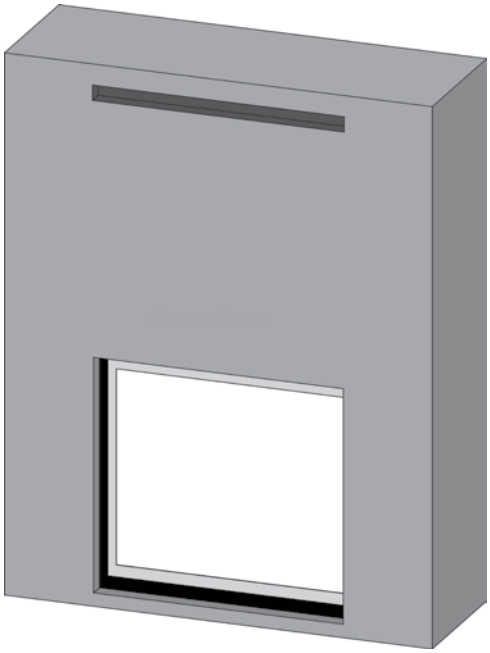


Note: Gas connection is from the left hand side of the appliance & electrical connection on right hand side of the appliance. A metal receptacle box is supplied/ installed with the appliance to make all 120 volt electrical connections.

COOL WALL INSTALLATION (COMBUSTIBLE FINISHING)

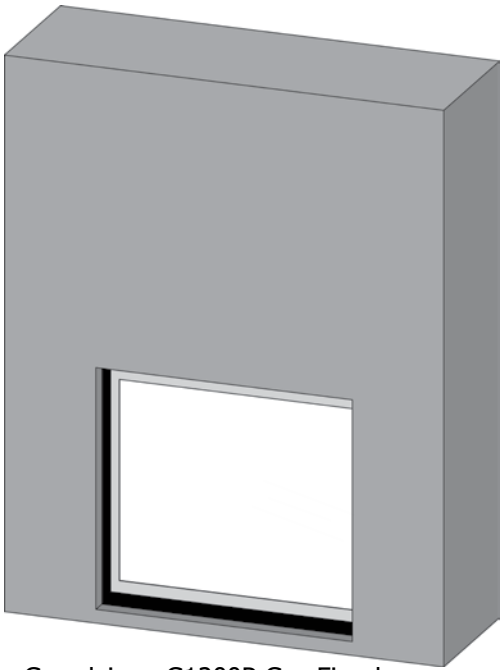
Cool Wall Install:
- Vented chase required
- Combustible material can be used all around the fireplace
- Combustible framing

Note: Fan option is not permitted with Cool Wall Installation.



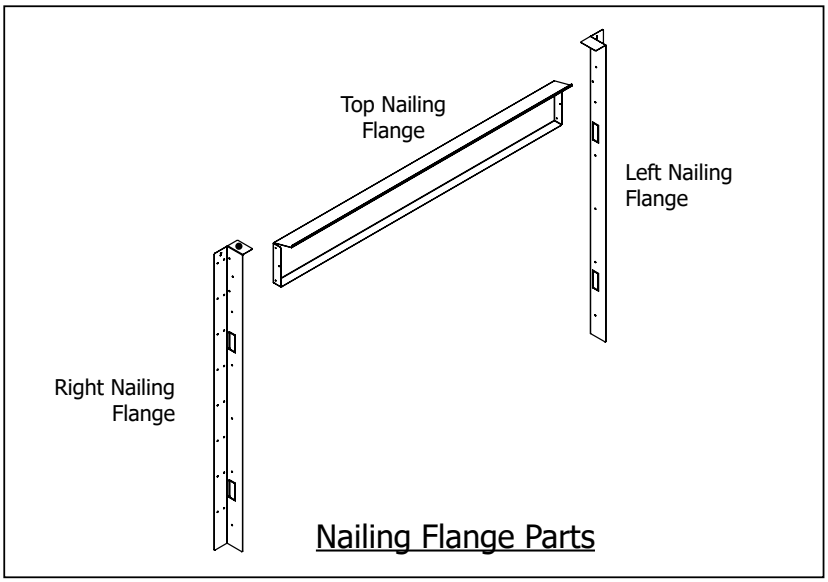
NON COOL WALL INSTALLATION (NON COMBUSTIBLE FINISHING)

Install:
- No vent chase required
- Non-combustible board required
- Combustible framing



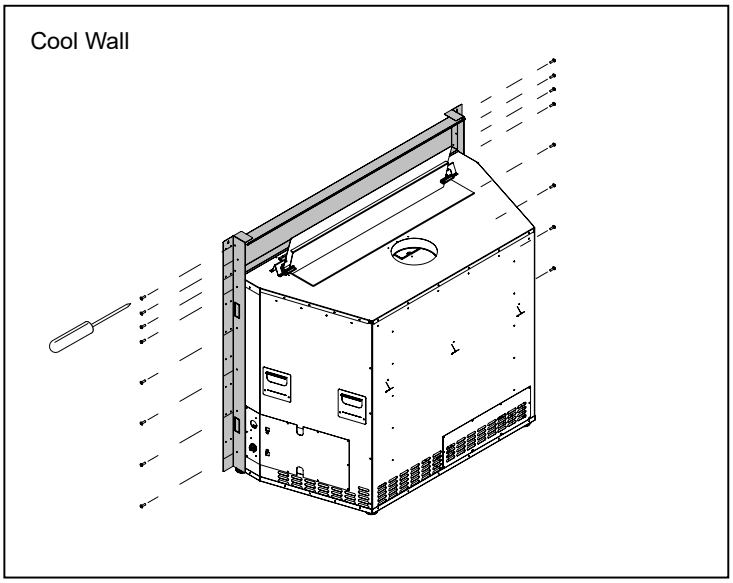
UNIT ASSEMBLY PRIOR TO INSTALLATION (NAILING FLANGE INSTALLATION) - COOL WALL/NON COOL WALL

IMPORTANT: The installation of the nailing flanges differ depending if this will be a cool wall or non cool wall installation. See following nailing flange installation instructions for both cool wall/non cool wall.



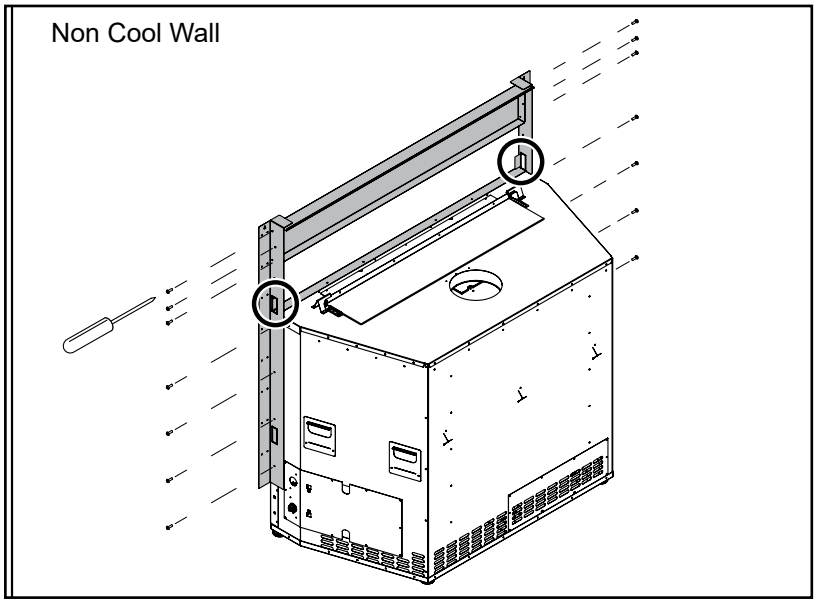
COOL WALL NAILING FLANGE INSTALLATION

1. Attach top and side nailing flanges using 6 screws provided in manual package.
2. Rest top nailing flange on unit and attach sides to unit using 5 screws each.
3. Bend tabs outwards from nailing flanges to provide 1" spacing off unit for framing.

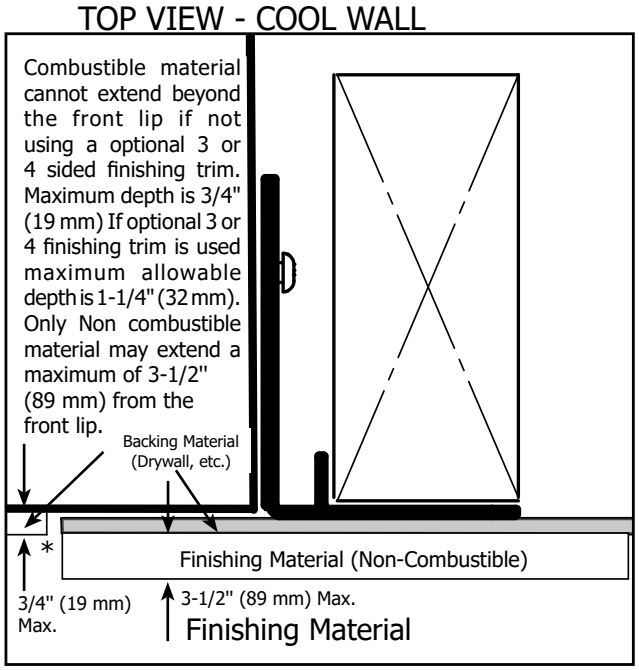


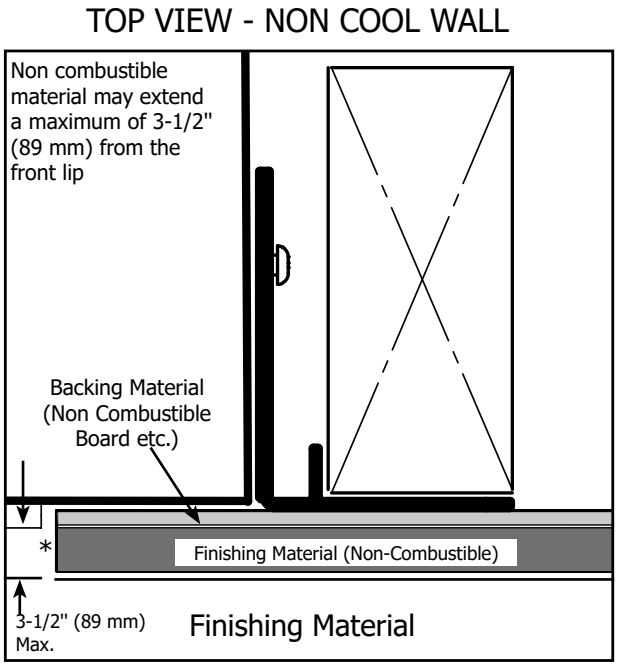
NON COOL WALL NAILING FLANGE INSTALLATION

1. Attach top and side nailing flanges using 6 screws provided in manual package.
2. Bend upper tabs inwards and rest these on unit top to set height. Attach sides to unit using 4 screws each.
3. Bend lower tabs outwards from nailing flanges to provide 1" spacing off unit for framing.



Facing and Finishing Details Cool Wall/Non Cool Wall





*If using a finishing trim, a 1/4" (6 mm) gap must be maintained on both sides of the fireplace to allow the optional 3 or 4-sided finishing trim to be installed and removed. If a finishing trim is not being used, do not leave any gap.

The optional finishing trim can be adjusted from 1/2" (13 mm) minimum to 1-1/4" (32 mm) maximum depending on finishing depth. This finishing trim will not work with materials thicker than 1-1/4" (32 mm)

IMPORTANT: For details on finishing around this appliance, Also see finishing material installation cool wall/non cool wall & Wall board/drywall/non combustible board installation cool wall/non cool wall which can be found in this manual.

COOL WALL CLEARANCES

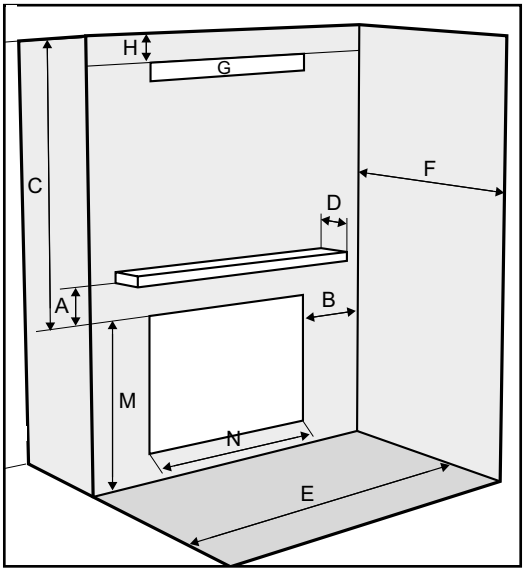
The clearances listed below are minimum distances unless otherwise stated.

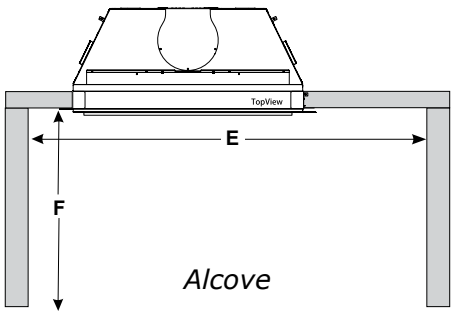
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

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.

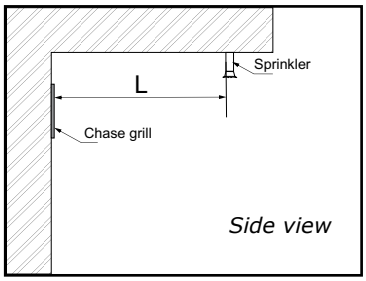
WARNING
Fire hazard is an extreme risk
If these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

G1200P Clearance Requirements—Cool Wall Installations		
Clearance:	**Cool Wall**	**Measured From:**
A: Mantel Height (Min.)	6" (152 mm)	Top of Fireplace Opening
B: Sidewall	18" (457 mm)	Side of Fireplace Opening
C: Ceiling	53" (1346 mm)	Top of Fireplace Opening
D: Mantel Depth (Max.)	12" (305 mm)	Front of Fireplace Opening
E: Alcove Width	84" (2134 mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914 mm)	Front to Back Wall (Maximum)
G: Convection Air Outlet	180 sq. in	Top/Front of Enclosure
H: Convection Air Outlet Opening Ceiling Offset	1-1/2" (38 mm)	Top of Chase Vent Opening See this manual for full details
L: Clearance to Sprinkler Head (Min.)	36" (914 mm)	Perpendicular From Chase Grill
M : Reference Dimension Only	37" (940 mm)	From Fireplace Base To Top Of Fireplace Opening/Lip
N : Reference Dimension Only	41-3/4" (1060 mm)	From Fireplace Opening/Lip
Notes: No Hearth Required	0"	From below leveling legs.
IMPORTANT - *A minimum of 180 square inches of open area. Chase enclosure ceiling must be flush with ventilation opening required for all cool wall installations — this can be achieved by having an open area in front. See manual for details.		
Note: If installing a hearth in front of the appliance see Hearth installation section in this manual for full details.		





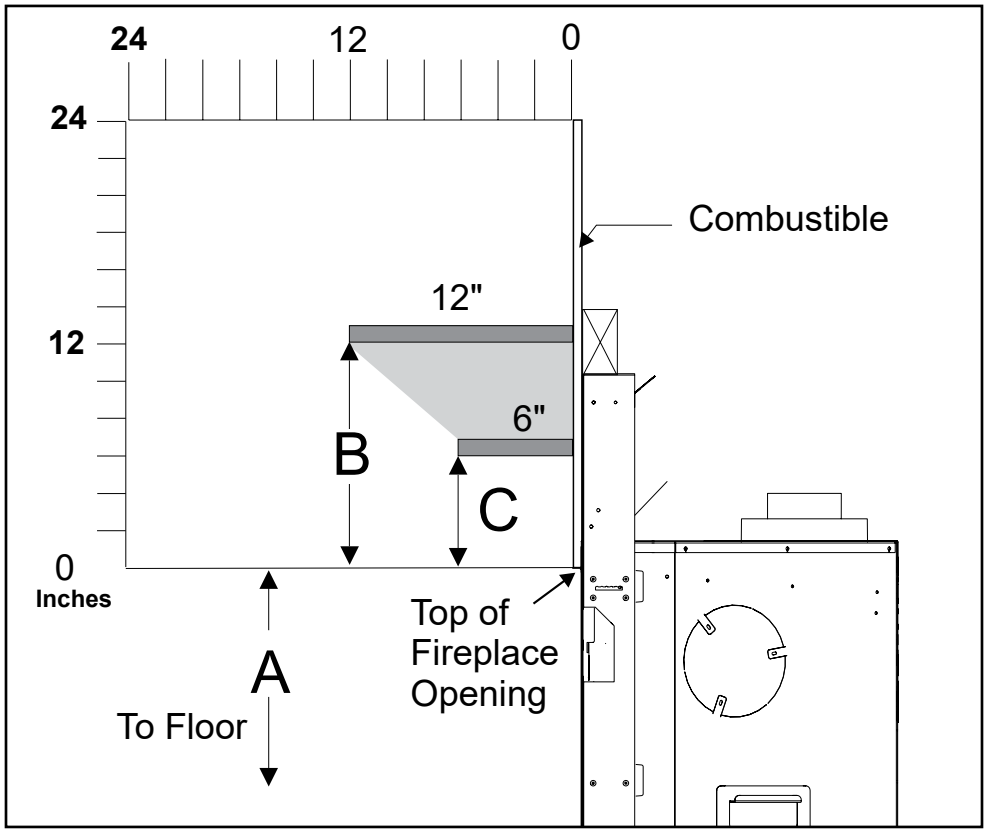
Alcove



Side view

COOL WALL MANTEL CLEARANCES (BOTH COMBUSTIBLE/NON-COMBUSTIBLE MANTELS)

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the diagram below.

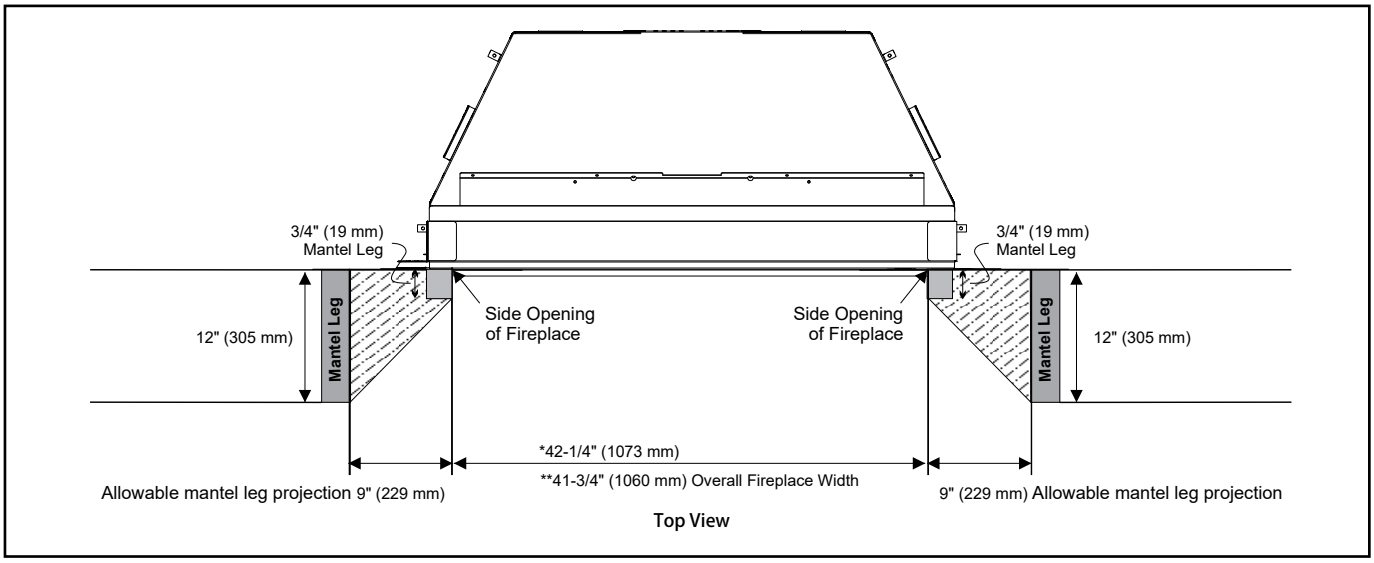


Mantel Clearances G1200P	*A	B	C
From Top of Fireplace Opening	37" (940 mm)	12" (305 mm)	6" (152 mm)

Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

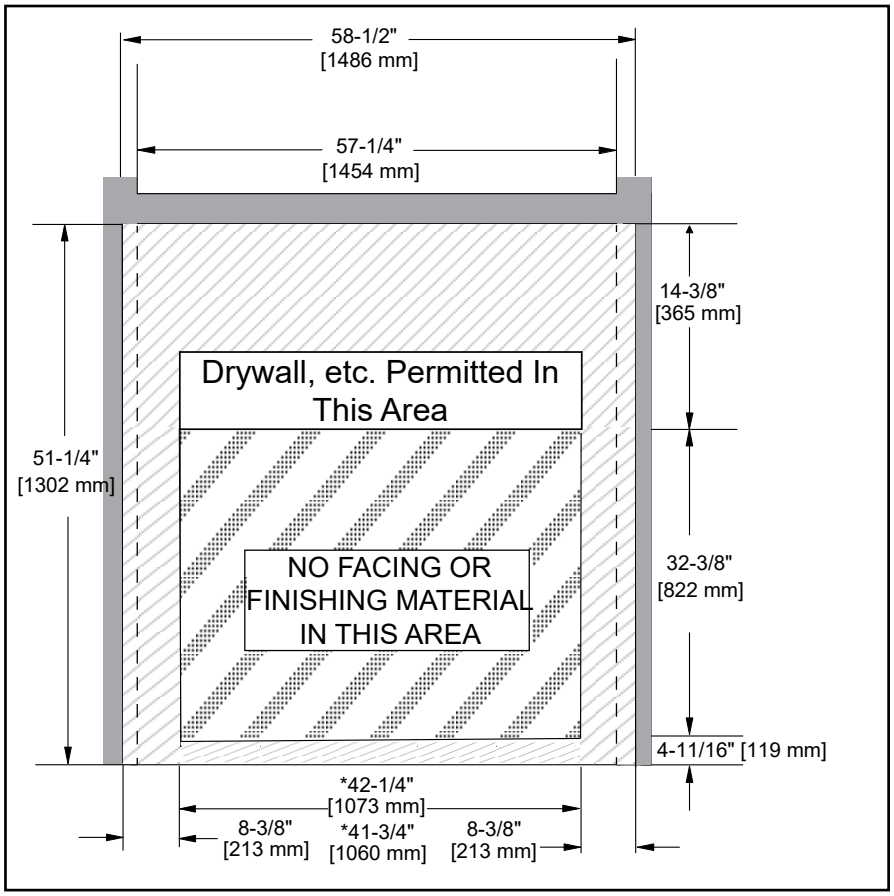
*Measurement taken is from base of fireplace to top of fireplace opening/lip.

COOL WALL MANTEL LEG CLEARANCES



See framing dimensions on next page.

COOL WALL INSTALLATION (COOL WALL) - COMBUSTIBLE MATERIALS



See framing dimensions on next page.

*A 1/4" (6 mm) gap must be maintained on both sides of the fireplace to allow the optional 3 or 4-sided finishing trim to be installed and removed.

**If not using the optional 3/4 sided finishing trim.

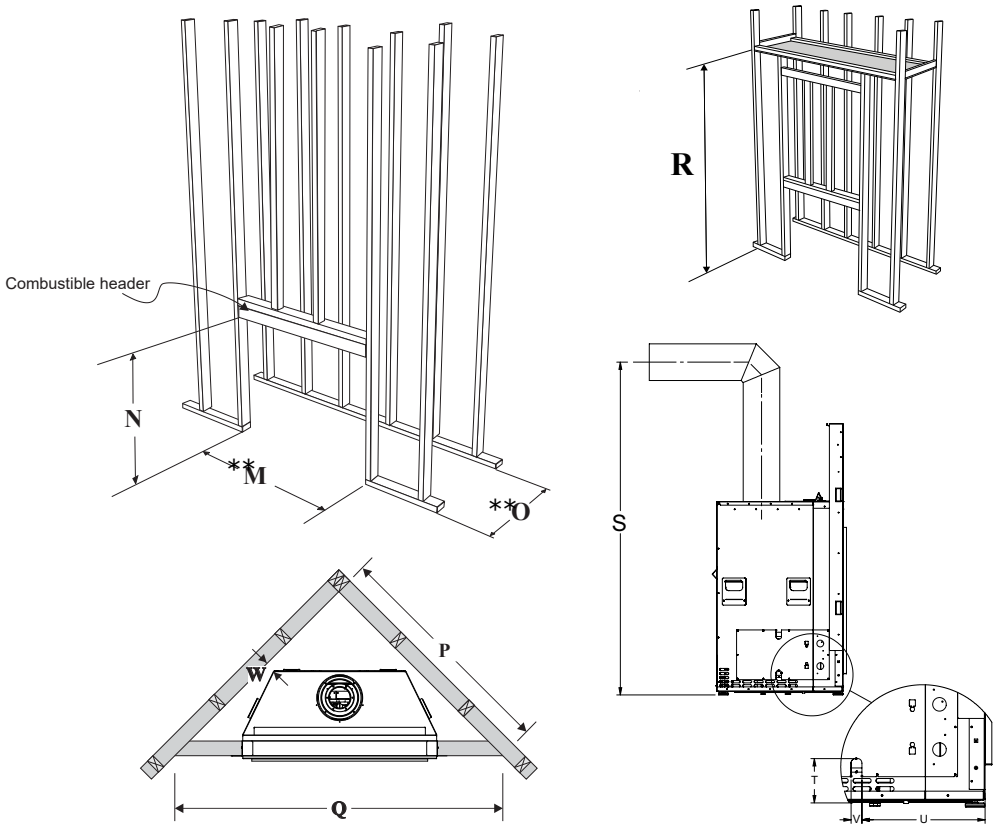
COOL WALL INSTALLATION 2 X 4 OR 2 X 6 - FRAMING

NOTE: Framing may be constructed of combustible material (i.e. 2 x 4/2 x 6) and does not require steel studs.

Framing Dimensions	Description	Cool Wall
M	Framing Width	57-1/4" (1454 mm)
N*	Framing Height	51-1/4" (1302 mm)
O	Framing Depth	29" (737 mm)
P	Corner Facing Wall Width	70-1/2" (1791 mm)
Q	Corner Facing Wall Width	99-3/4" (2534 mm)
R	Framed Chase Ceiling Enclosure	*88" (2235 mm)
S	Vent Centerline Height	75-1/2" (1918 mm)
T	Gas Connection Height	4 7/8" (124 mm)
U	Gas Connection Inset	13 3/4" (349 mm)
V	Gas Connection Width	1 1/4" (32 mm)
W	Clearance to Corner of Unit	1" (25 mm)

*** Important: Framing height requires consideration of the hearth height. Dimension N = N + the thickness of the installed hearth.**

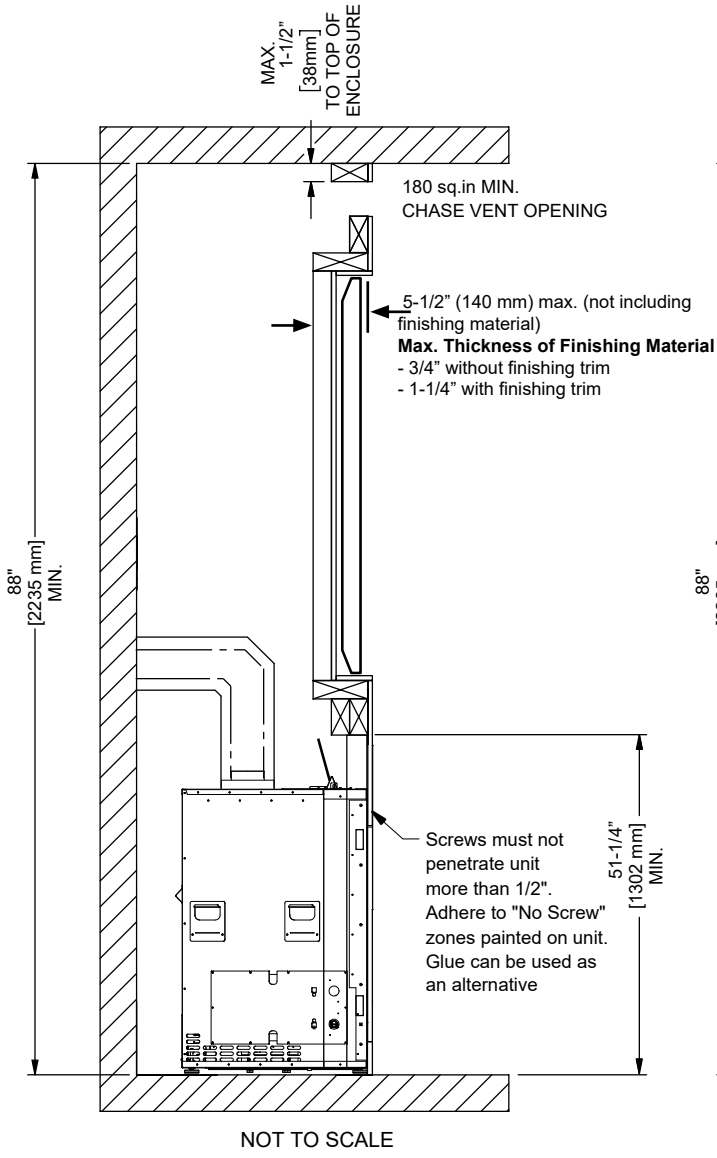
Note: Standoffs required in all installations.



**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 57-1/4"/1454 mm framing width + 1/2" drywall x 2 Both Sides = 58-1/4"/1479 mm)
(example: O - 29"/737 mm framing depth + 1/2" drywall = 29-1/2"/749 mm)

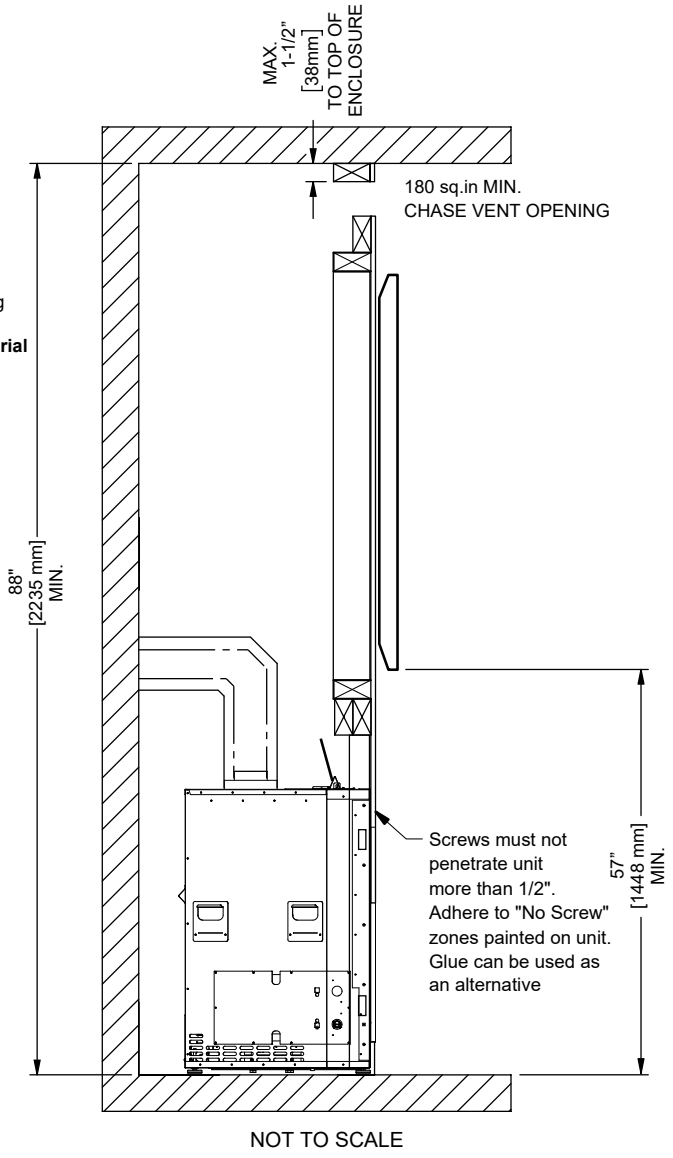
COOL WALL TV RECESS

Maximum TV Recess



NOT TO SCALE

Flush TV with Hearth/Finished Floor



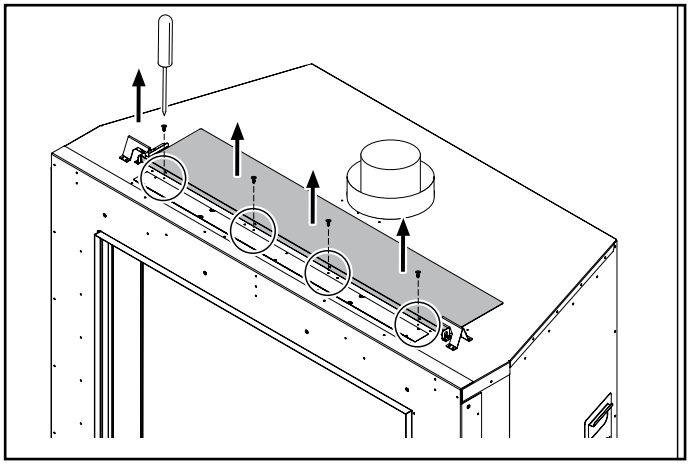
NOT TO SCALE

Note: The TV mounting bracket cannot be secured directly to the appliance. It must be secured to the framing.

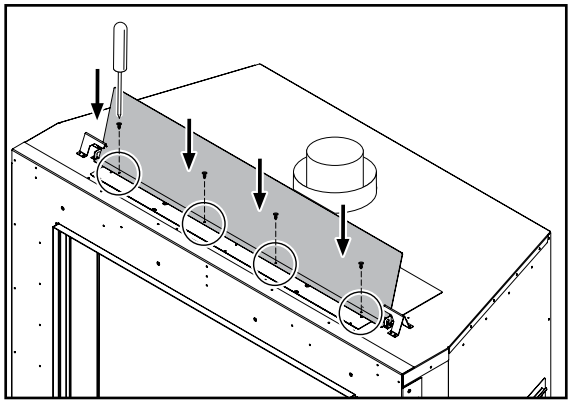
- The clearances noted are recommendations only and not a guarantee of compliance with all TV manufacturer's maximum allowable operating temperatures.
- It is the responsibility of the user to check the TV installation instructions to ensure that the location of the TV in relation to the fireplace is suitable.
- Most television manufacturers instruct the user to not place the television above any heat source. Doing so may negatively affect the longevity of the television and may negate the warranty.
- If you do place a television above the fireplace, please be aware of the amount of heat the fireplace generates. Regency in no way guarantees or takes responsibility for the suitability of the above installation for all homes, or any negative impacts from placing a TV above the fireplace, including damage to the TV.

COOL WALL INSTALLATION - COOL WALL CONVERSION

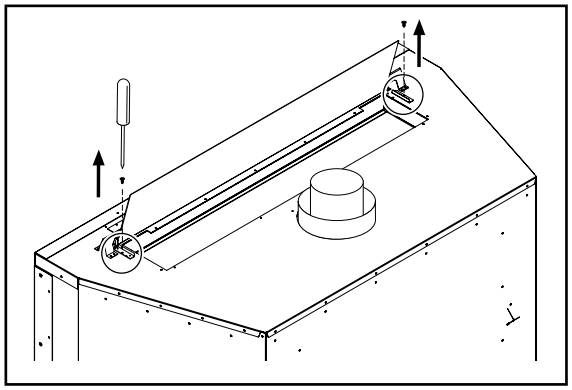
1. Remove four (4) screws shown.



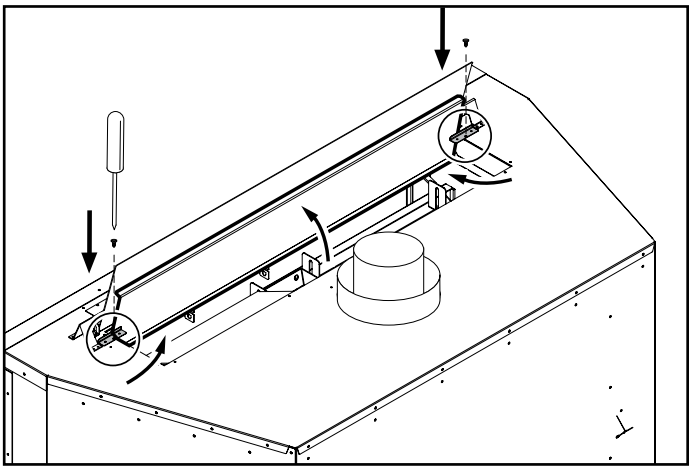
2. Lift outer cover and secure with the 4 screws removed in step 1.



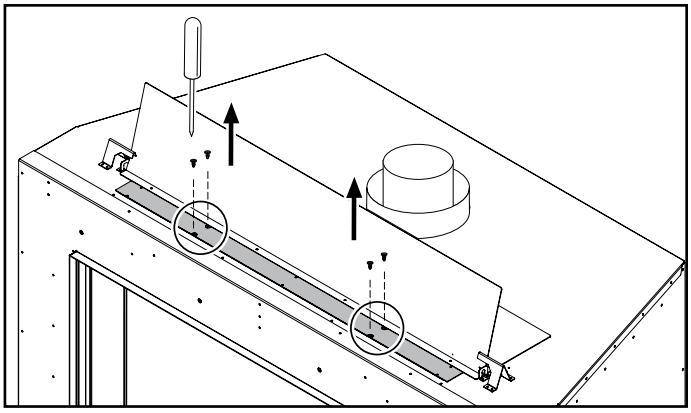
3. Remove two (2) screws shown.



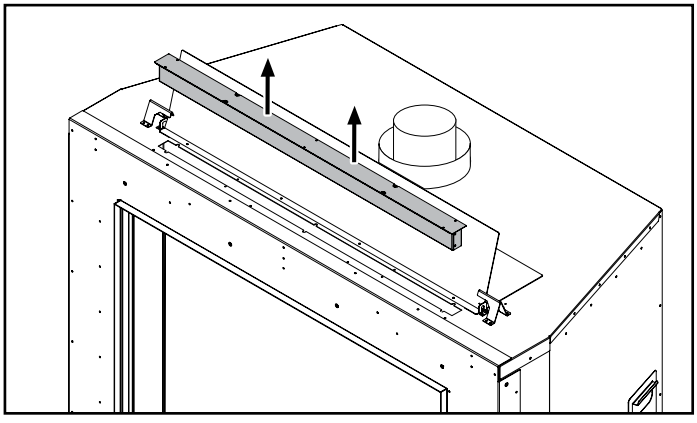
4. Lift inner door and rotate tabs to lock it in place. Secure with the two (2) screws removed in step 3.



5 . Remove four (4) screws shown.



6. Remove insulation tray and discard.

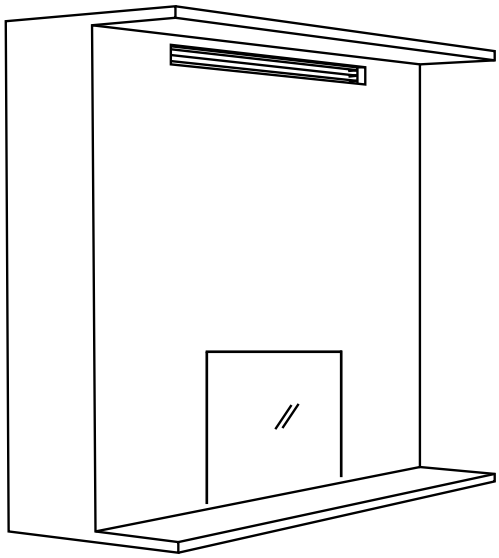


CHASE VENTING (COOL WALL)

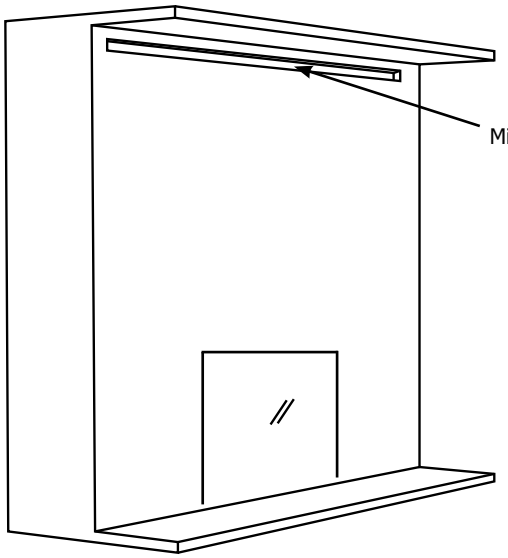
Note: The enclosure opening cannot be any lower than 1-1/2" from the top of the enclosure for all installations. Minimum height of enclosure from base of appliance is 88" (2235 mm). See details on next page.

A minimum 180 sq. in opening in the enclosure is required to maintain safe operating temperatures.
This can be achieved in a number of ways including the examples shown below.

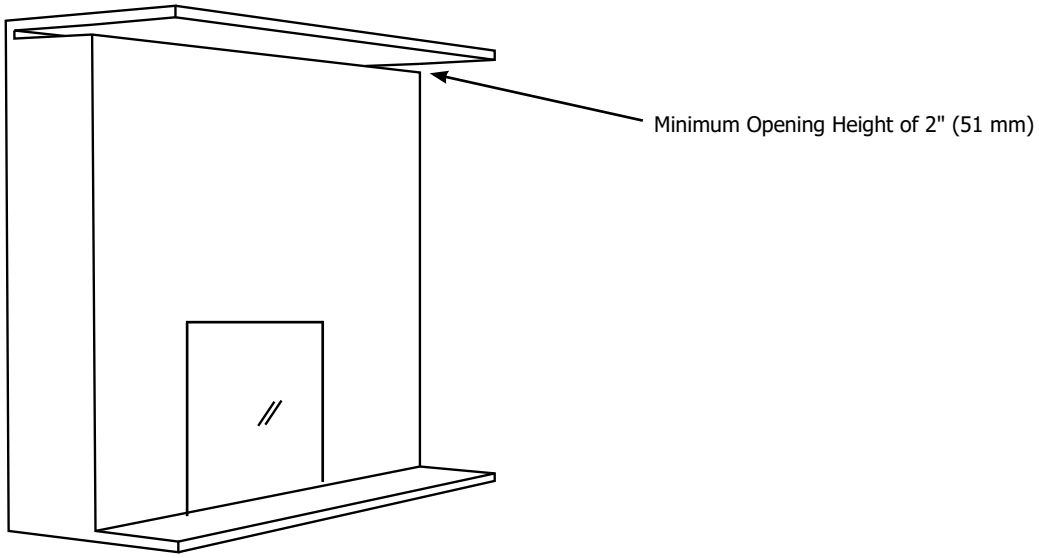
Warning: DO NOT cover or place objects in front of the air outlet(s).



Regency Chase Vent



Custom chase vent



Reveal at the chase top

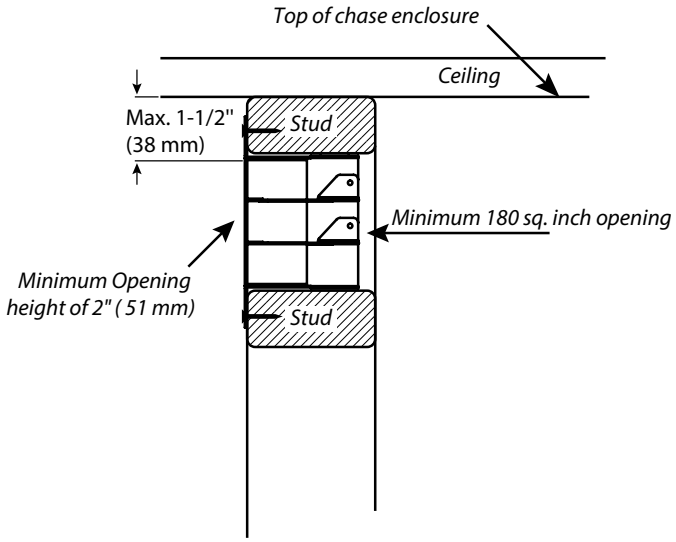
CHASE ENCLOSURE (COOL WALL)

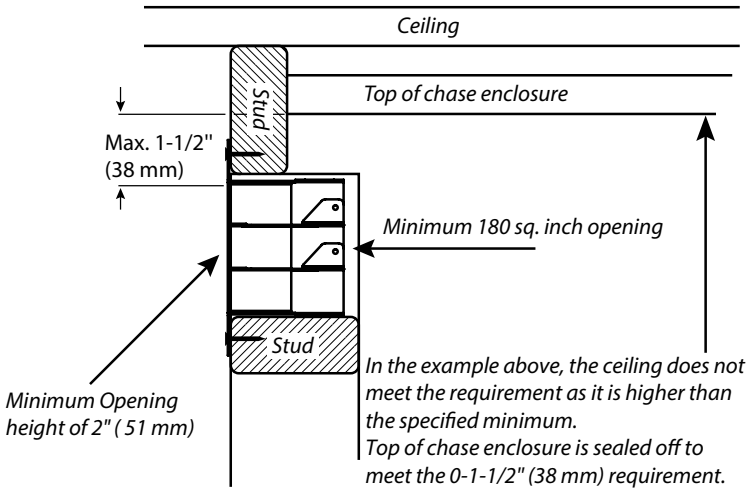
When choosing to install the ventilation openings from the front, the top of the ventilation opening cannot be any lower than 1-1/2" (38mm) from the top of the chase enclosure for all installations.
Minimum height of enclosure from base of appliance is 88" (2235 mm).
A minimum 180 sq. in opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including the examples shown in this manual.

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

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

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

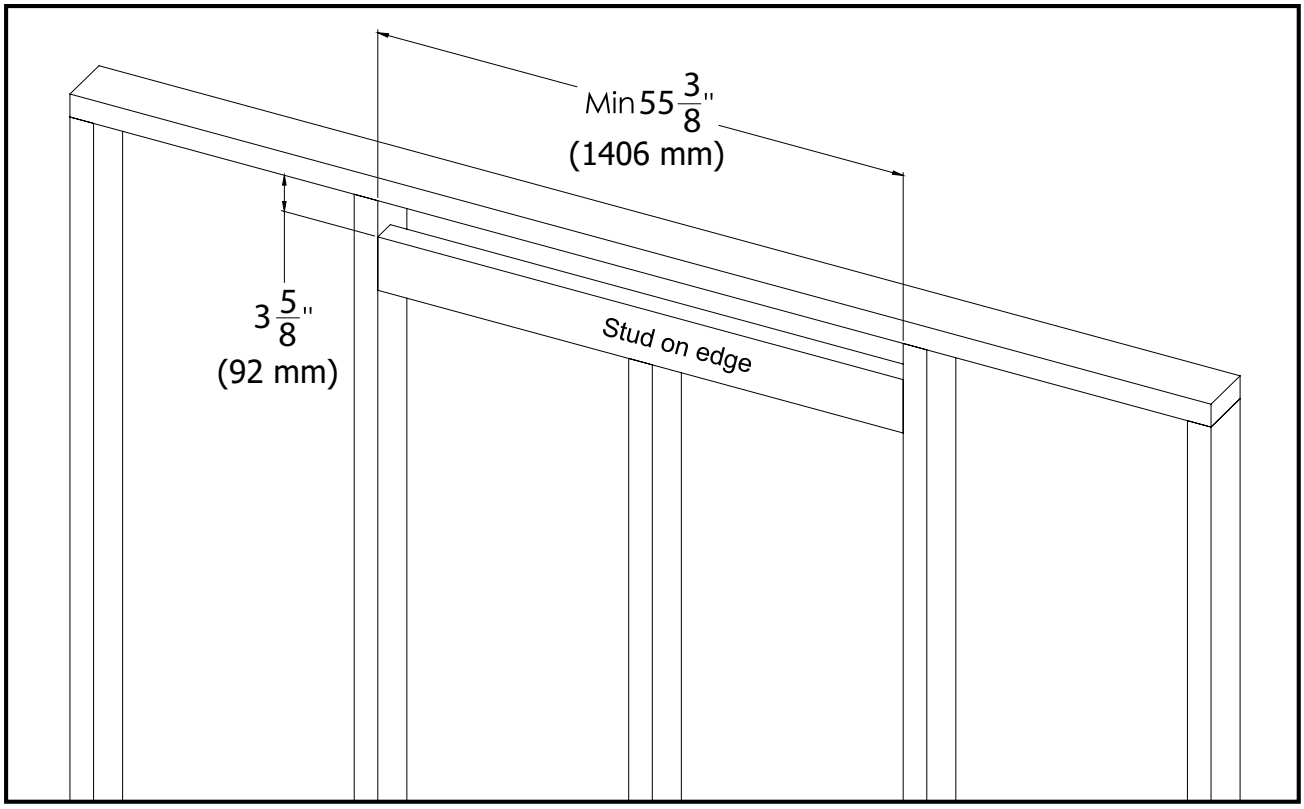




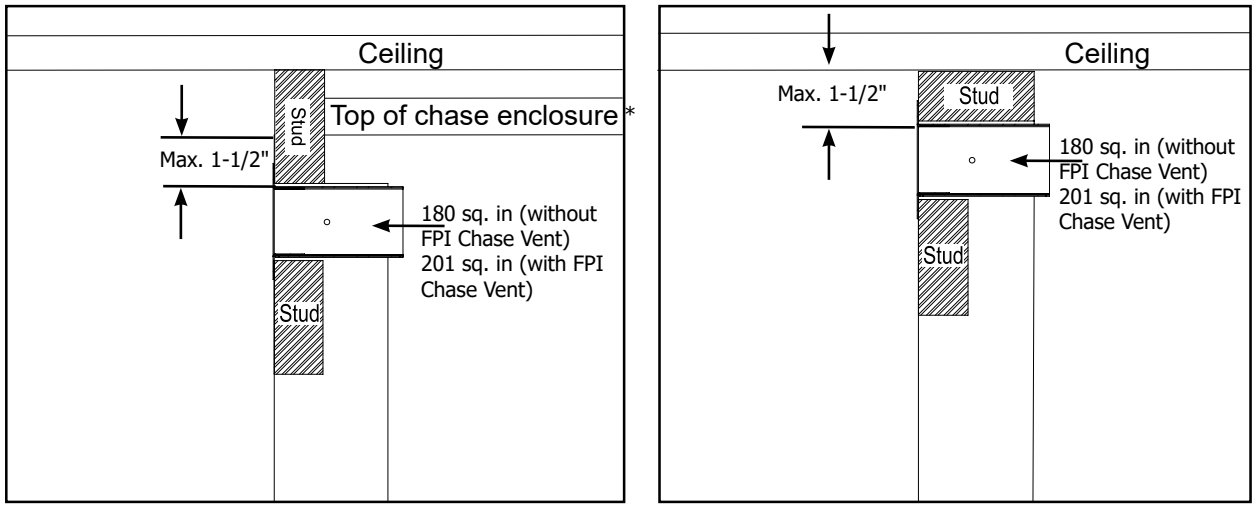
CHASE VENT INSTALLATION—COOL WALL (PART # 796 -991 CHASE VENT WHITE)

Framed Opening must be at least 3-5/8" tall, and at least 55-3/8" wide to accomodate the Chase vent. The top of the Chase vent opening must be 1-1/2" or less from the top of the chase enclosure. Fasten the Chase vent with screws and construction adhesive.

If the chase vent is not being used, a minimum 180 sq. inch opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including a reveal at the top of the chase.



Side View



* In the example above, the ceiling does not meet the requirement as it is higher than the specified minimum. Top of chase enclosure is sealed off to meet the 1-1/2" requirement.

NON COOL WALL - CLEARANCES

Non Cool Wall installation: Non-combustible required when installing materials right to the fireplace opening & no chase vent with this option.

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.

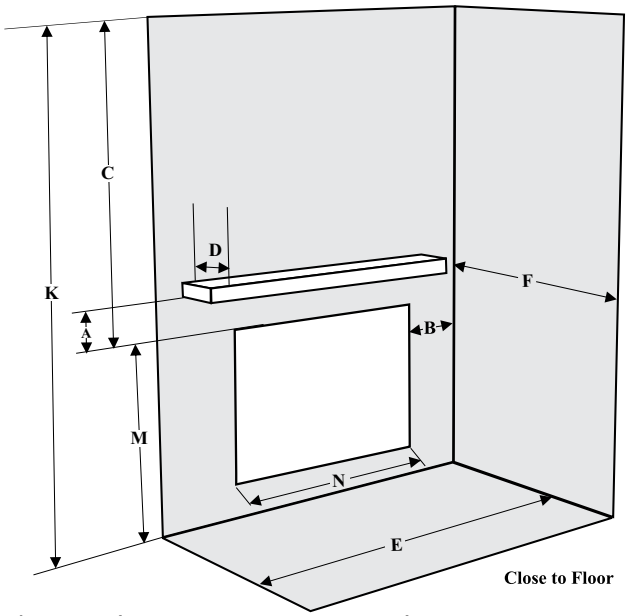
Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

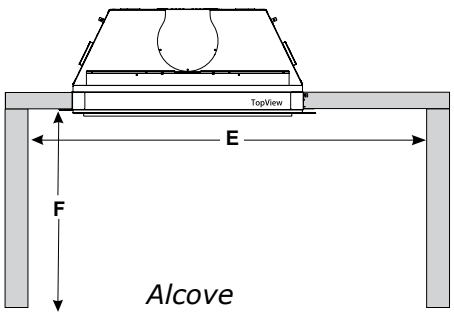
WARNING
Fire hazard is an extreme risk if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

G1200P Clearance Requirements		
Clearance:	**Dimension**	**Measured From:**
A: Mantel Height (min.)	25" (635 mm)	Top of Fireplace Opening
B: Sidewall	18" (457 mm)	Side of Fireplace Opening
C: Ceiling	53" (1346 mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	12" (305 mm)	Front of Fireplace Opening
E: Alcove Width	84" (2134 mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914 mm)	Front to Back Wall (Maximum)
K: Chase Enclosure Ceiling (Min.)	96" (2438 mm)	From Base of Appliance Floor
M: Reference Dimension Only	37" (940 mm)	From Fireplace Base To Top Of Fireplace Opening/Lip
N: Reference Dimension Only	41-3/4" (1060 mm)	From Fireplace Opening/Lip
Notes: No Hearth Required	0"	From below leveling legs.

IMPORTANT: The clearances noted are greater than for the cool wall so pay close attention.

Note: If installing a hearth in front of the appliance see Hearth installation section in this manual for full details.
Note : If a TV is installed above the appliance with the non cool wall option, the TV must be protected by either a mantle or heat deflector. The mantle or heat deflector must overhang the front and both sides of the TV by a minimum of 2" (51 mm). Follow mantle clearance chart for proper installation height of TV & TV mounting bracket. If installing a heat deflector, follow the same clearance requirements as the mantle.



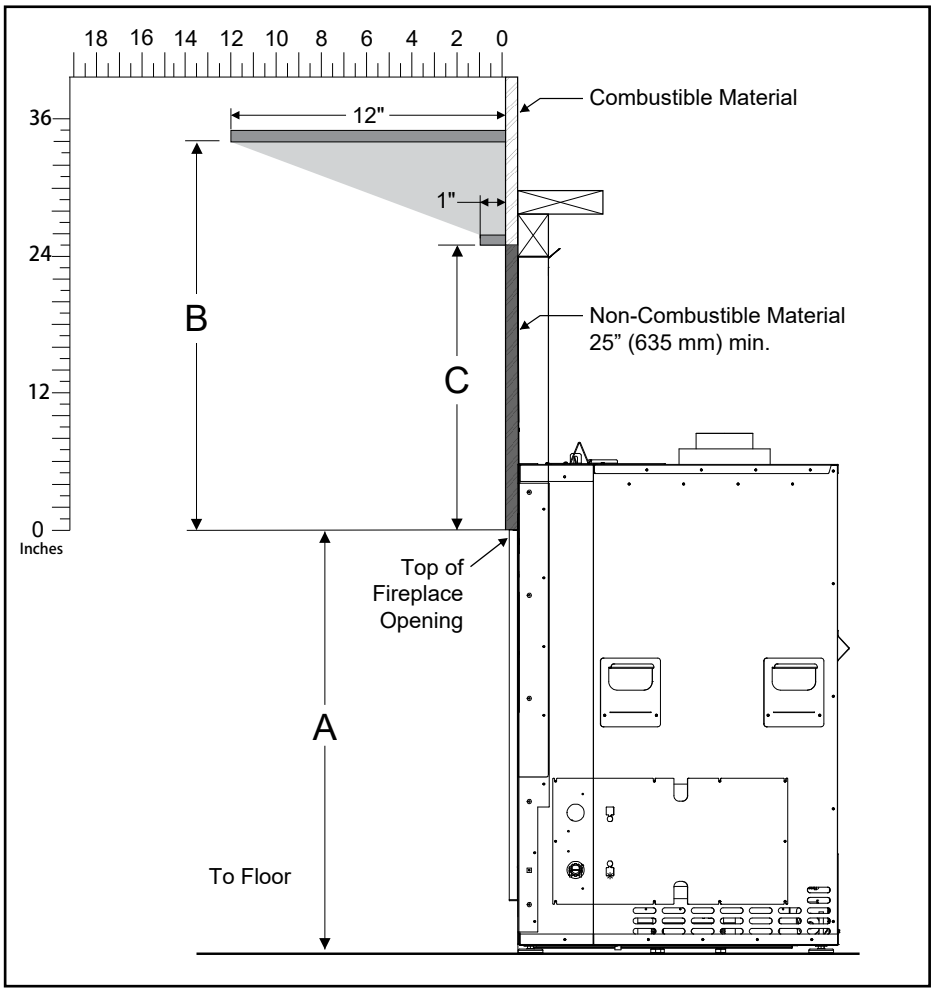


Alcove

NON COOL WALL - MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the Diagram on the right.

Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

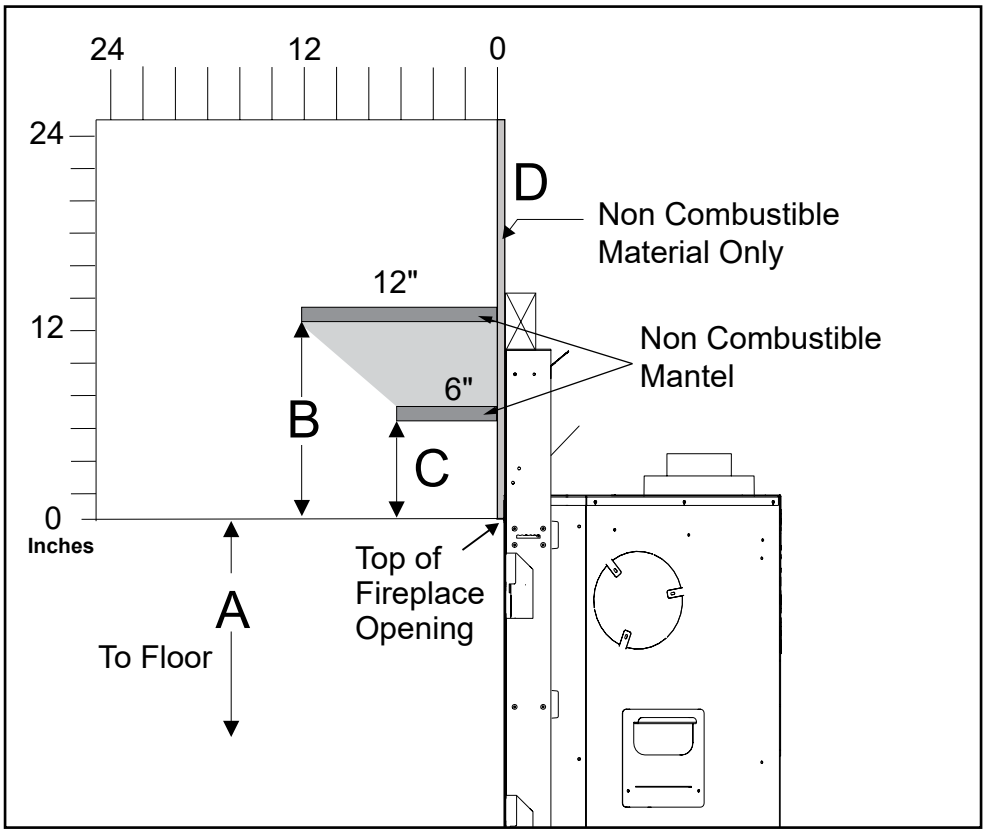


Mantel Clearances G1200P	*A	B	C
From Top of Fireplace Opening	37" (940 mm)	34" (864 mm)	25" (635 mm)

*Measurement is taken from base of fireplace to top of fireplace opening/lip.

NON COOL WALL - NON-COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Non combustible mantel clearances from top of front facing are shown in the diagram below.
The non-combustible mantle when installed at a lower overall height may not be lower than 6 inches from the top of the fireplace opening. See chart below.

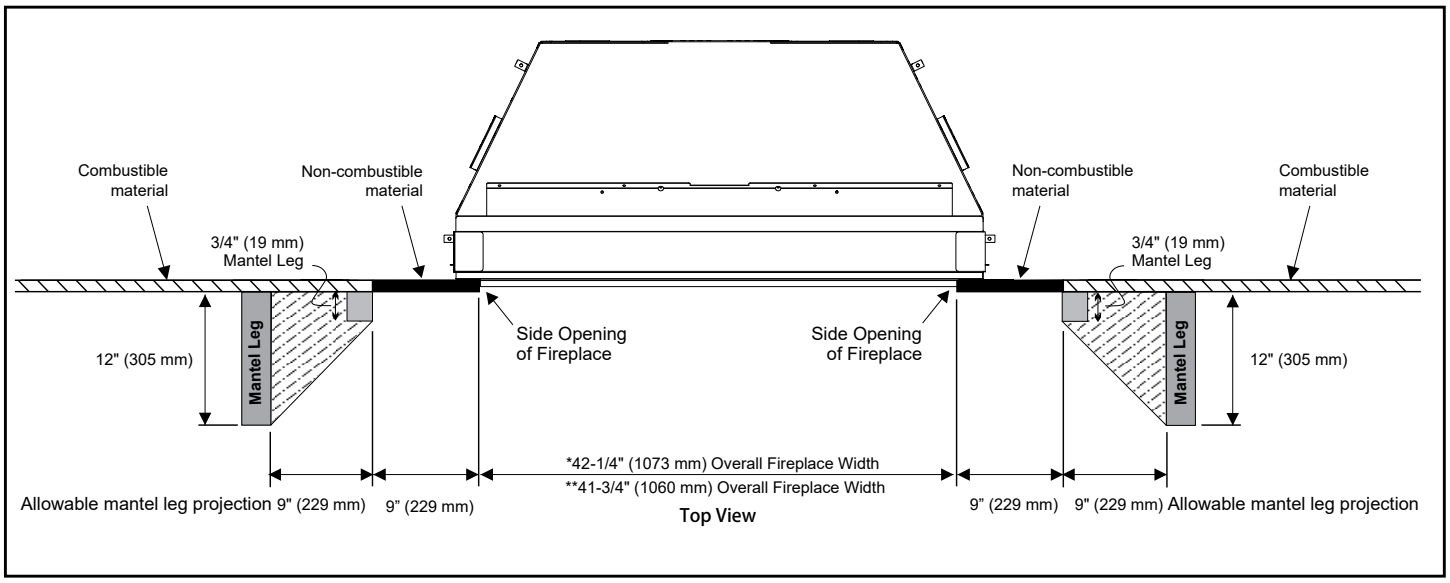


Mantel Clearances G1200P	*A	B	C	D
From Top of Fireplace Opening	37" (940 mm)	12" (305 mm)	6" (152 mm)	25" (635 mm) Min.

Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

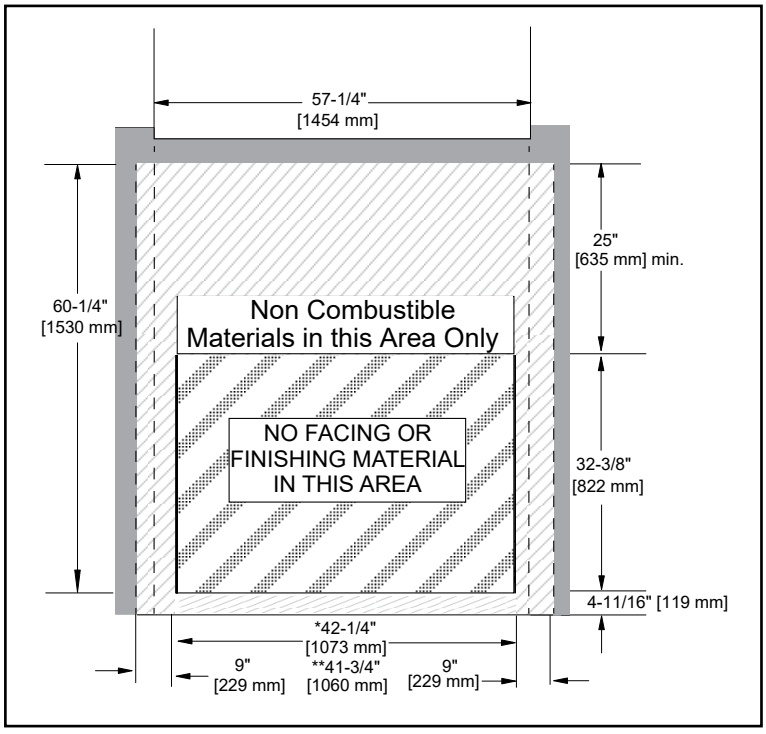
*Measurement taken is from base of fireplace to top of fireplace opening/lip.

NON COOL WALL - MANTEL LEG CLEARANCES



See framing dimensions on next page.

NON COOL WALL - NON-COMBUSTIBLE REQUIREMENTS



See framing dimensions on next page.

IMPORTANT

Regency Fireplace Products are designed, produced, tested and certified to the highest industry standards.

The finishing of the walls surrounding your Regency Grandview Fireplace is as critical as the installation itself.

The temperatures around this gas fireplaces are typically higher than would be acceptable for combustible materials. Your Regency Grandview Fireplace is no exception to this rule.

Therefore, the units are specified with non-combustible required materials to specific dimensions above and around the units. This is due to these areas reaching higher temperature levels than required/acceptable for a combustible material. To obtain the best, most durable finish around your fireplace, this calls for a high level of care and attention to the preparation and finish around this appliance, using only the highest quality materials, able to withstand the temperatures produced.

By following the installation instructions in the manual exactly, you will increase your chances of a damage free finish.

While every precaution is taken in providing the recommendations on preparation and finish, given the variations in paint quality, with temperature limits and workmanship in application, Regency is unable to guarantee the life of the joint compounds, paint or any other finish materials or workmanship applied to or used in any application surrounding the fireplace. This includes framing as well as finishing.

Over time natural convection from any fireplace can cause discoloration in the area directly above the appliance. Lower quality paints, under-prepared finishes, poor applications, and any framing discrepancies or in the installation can cause this discoloration process to be expedited.

Discoloration is not the responsibility of Regency Fireplace Products. This is out of the control of Regency Fireplace Products Ltd., therefore not covered under any part of the warranty policy. While discoloration is not the responsibility of Regency Fireplace Products, we believe careful attention to the recommendations provided here will result in an aesthetically pleasing result free of issues outlined above.

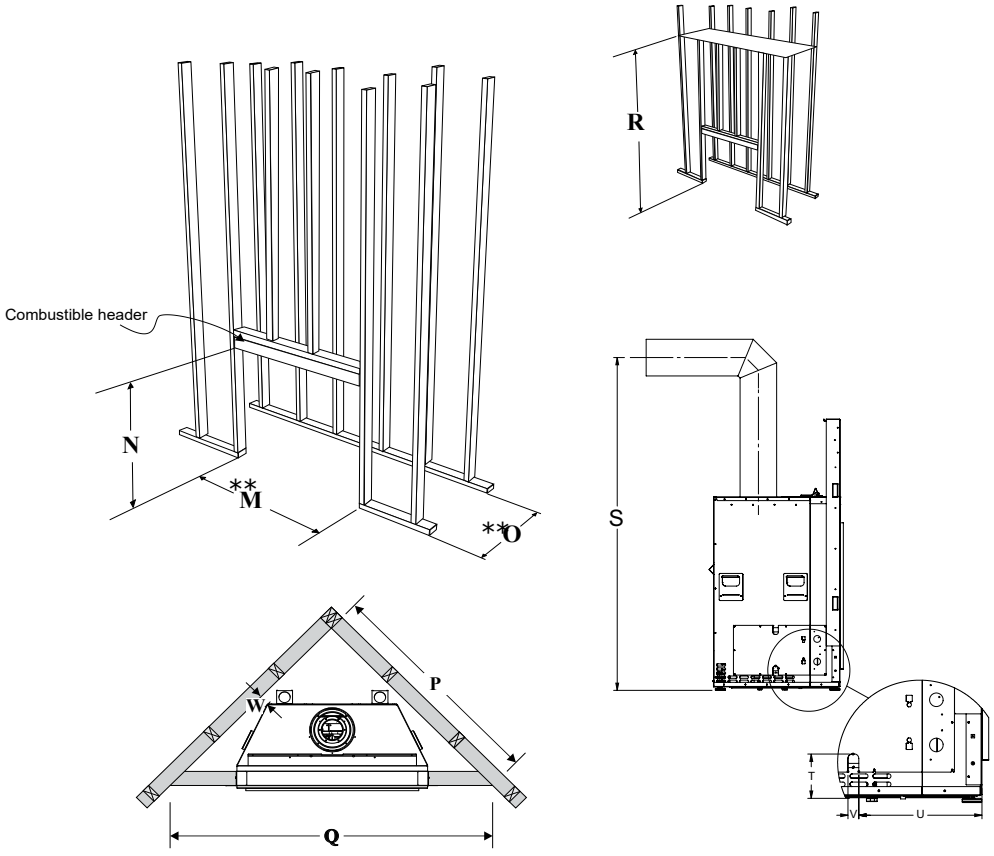
*A 1/4" (6 mm) gap must be maintained on both sides of the fireplace to allow the optional 3 or 4-sided finishing trim to be installed and removed.
**If not using the optional 3/4 sided finishing trim.

FRAMING (NON COOL WALL)

NOTE: Framing may be constructed of combustible material (i.e. 2 x 4/2 x 6) and does not require steel studs.

Framing Dimensions	Description	G1200P - Non Cool Wall
M	Framing Width	57-1/4" (1454 mm)
N*	Framing Height	60-1/4" (1530 mm)
O	Framing Depth	29" (737 mm)
P	Corner Facing Wall Width	70-1/2" (1791 mm)
Q	Corner Facing Wall Width	99-3/4" (2534 mm)
R	Framed Chase Ceiling	96" (2438 mm)
S	Vent Centerline Height	75-1/2" (1918 mm)
T	Gas Connection Height	4-7/8" (124 mm)
U	Gas Connection Inset	13 3/4" (349 mm)
V	Gas Connection Width	1-1/4" (32 mm)
W	Clearance to corner of unit	1" (25 mm)

*** Important: Framing height requires consideration of the hearth height. Dimension N = Height taken from bottom of leveling legs.**
Note: Standoffs required in all installations.



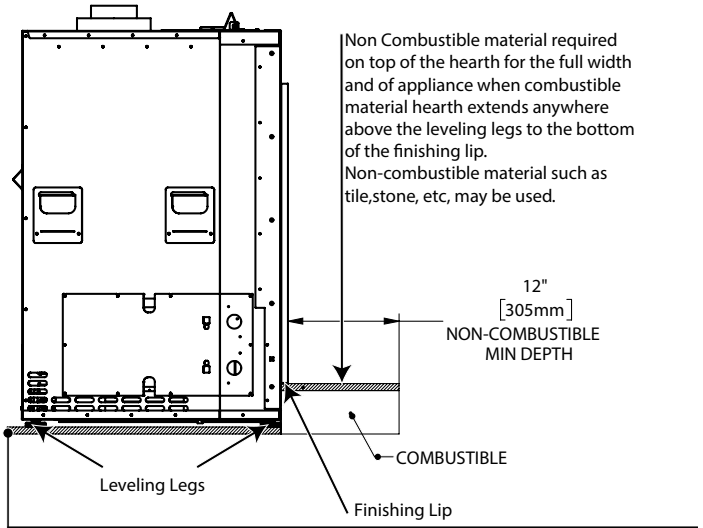
**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 57-1/4"/1454 mm framing width + 1/2" drywall x 2 Both Sides = 58-1/4"/1479 mm)
(example: O - 29"/737 mm framing depth + 1/2" drywall = 29-1/2"/749 mm)

HEARTH INSTALLATION (COOL WALL/NON COOL WALL)

Raised Hearth: If any combustible material extends above the bottom of the leveling legs, non combustible material such as tile, stone etc. must be used to act as a barrier. Combustible material cannot be exposed for the full width & depth of the hearth. See diagrams 1 & 3

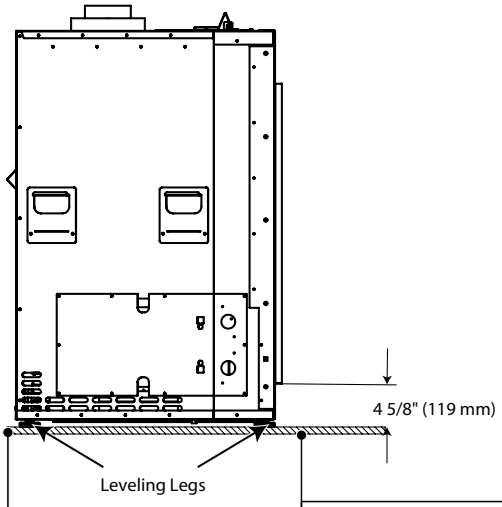
Flush hearth /Finished Floor: Combustible Materials such material such as wood/vinyl flooring,linoleum, etc. may be used. Materials must be below leveling legs as shown in diagram 2.

Side View
RAISED HEARTH
(Diagram 1)



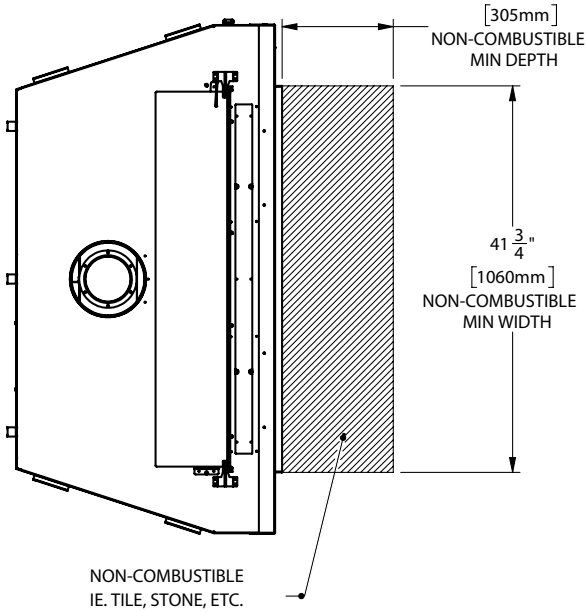
NON COMBUSTIBLE
material required underneath which must extend the full width/depth of the appliance.
Non combustible material such as Concrete board, hardy backer etc. may be used.

Side View
FLUSH HEARTH
(Diagram 2)



COMBUSTIBLE
material such as wood/vinyl flooring,linoleum, etc may be used.

Must be installed on a flat solid surface underneath which must extend the full width/depth of the appliance. Combustible materials such as plywood, etc. may be used.



FINISHING MATERIAL INSTALLATION - COOL WALL/NON COOL WALL

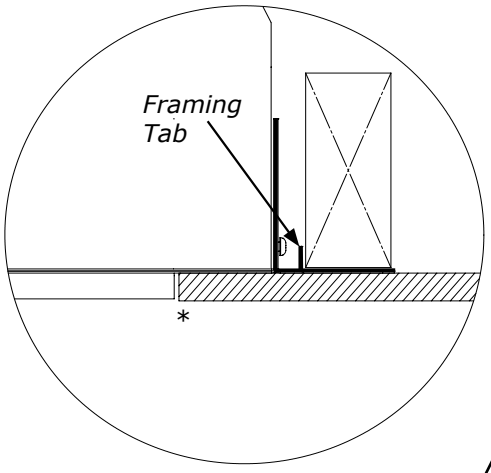
The finishing material can be brought to the edge of the fireplace opening.

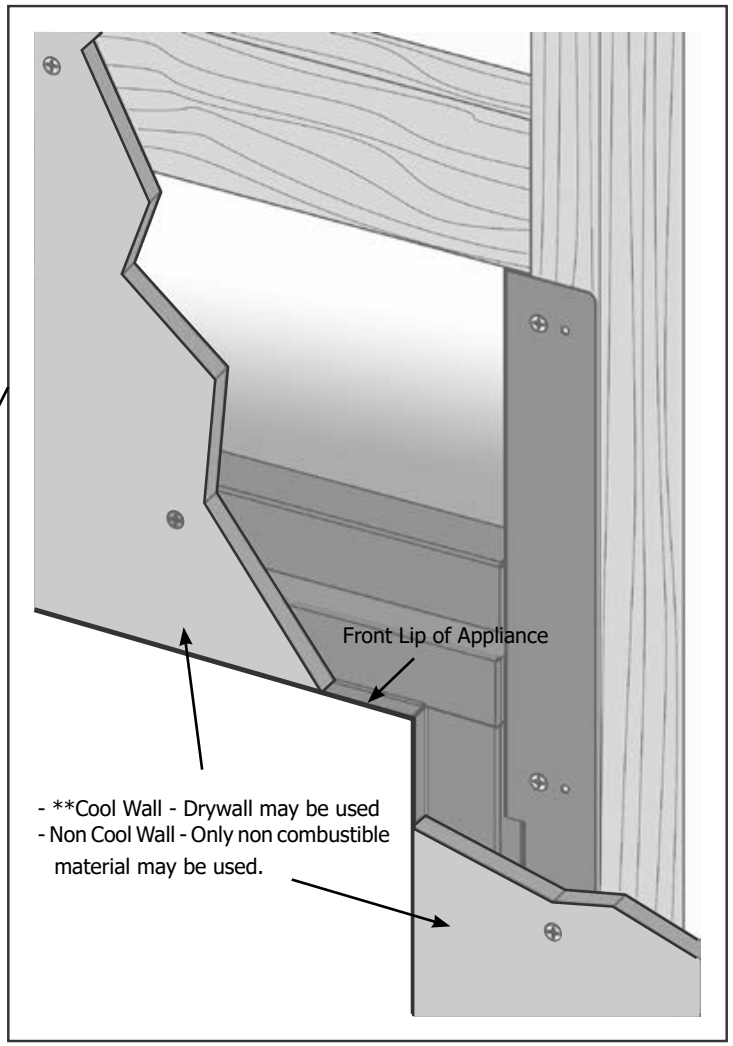
Do NOT finish beyond the opening, doing so will prevent the screen or glass front from being attached and removed.

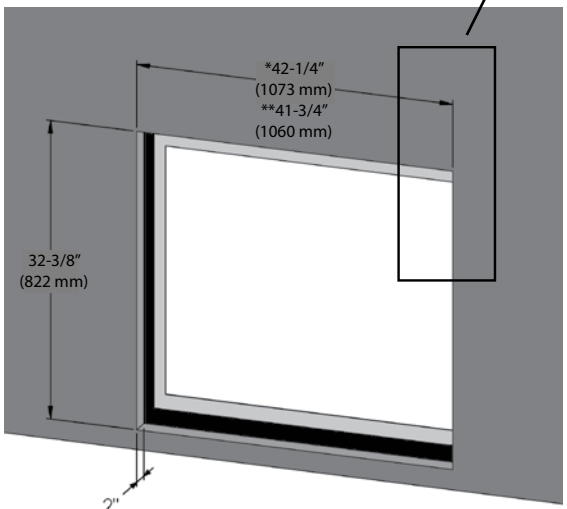
IMPORTANT: Ensure that if this is a non cool wall application, only non combustible material is used. See manual for details.

NAILING FLANGE INSTRUCTIONS

1. Bend framing tabs 90° backward to create the framing standoff.







See this manual for optional 3 or 4 sided Finishing Trim Installation.

****Max. Thickness of Combustible Finishing Material**

Combustible Cool Wall
- 3/4" (19 mm) without finishing trim
- 1-1/4" (32 mm) with finishing trim

Note : If finishing material must extend beyond the front lip of appliance, only non combustible material may be used to a maximum of 3 1/2" (89 mm)

Non-Cool Wall
- 3-1/2" (89 mm) from the front lip of appliance (maximum)

*A 1/4" (6 mm) gap must be maintained on both sides of the fireplace to allow the optional 3 or 4-sided finishing trim to be installed and removed.
**If not using the optional 3/4 sided finishing trim.

WALL BOARD/DRYWALL/NON COMBUSTIBLE BOARD INSTALLATION G1200P (COOL WALL/NON COOL WALL)

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 G1200P may be finished to the appliance opening with 1/2 inch thick drywall or non combustible material depending on the application and requirements (Cool Wall / Non Cool Wall).

• Ensure that the back and side clearances are maintained.

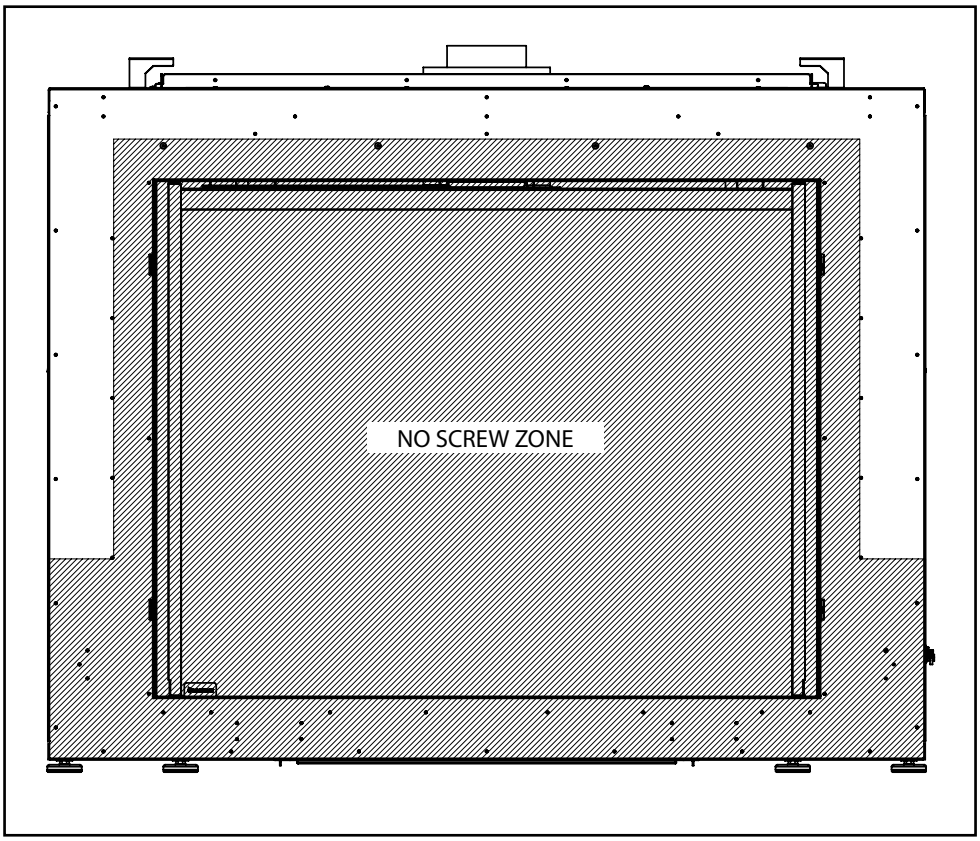
WARNING! Risk of Fire! Maintain specified air space clearances to combustibles. Inadequate air space could cause overheating and fire.

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 (Cool Wall applications only) or non-combustible (Cool Wall or Non Cool Wall applications).

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.



IMPORTANT : No screw zones (in shaded areas) as shown above must be adhered to.
Screws should only penetrate the metal front a maximum 1/2" (13 mm) where screws are permitted.

COOL WALL - NON COOL WALL VENT PIPE CLEARANCES - OUTSIDE/INSIDE OF CHASE ENCLOSURE (NON POWER VENT)

This page notes all vent pipe clearances for both outside and inside of the chase enclosure. The clearances are different for both outside and inside of the chase enclosure and must be adhered to and is critical.

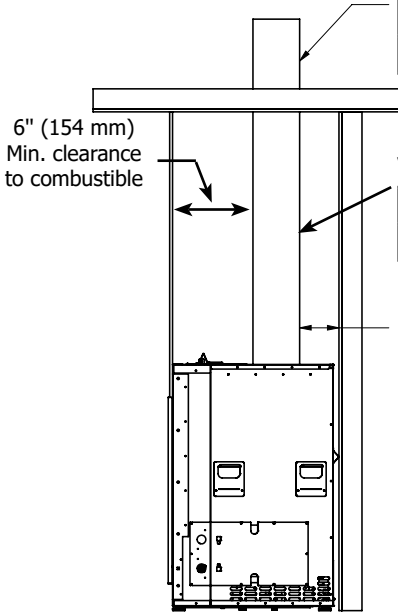
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

Clearances noted below must be maintained; except when passing through a wall, ceiling or at the termination where the use of a firestop or wall thimble reduces clearance to 1-1/2" (38mm).

MINIMUM VENT PIPE CLEARANCES TO COMBUSTIBLE WITH VENT PIPE EXITING VERTICALLY

Vent Pipe Outside of Chase Enclosure

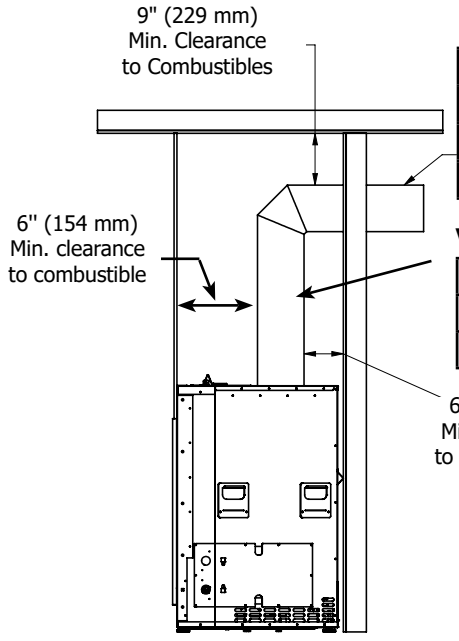
Horizontal Top	2" (51 mm)
Horizontal Side	1-1/2 " (38 mm)
Horizontal Bottom	1-1/2" (38 mm)
Vertical Vent Sides	1-1/2" (38 mm)



Vent Pipe Inside of Chase Enclosure

Horizontal Sides	6" (154 mm)
Vertical Vent Sides	6" (154 mm)

Minimum Vent Clearances to Combustible With Vent Pipe Exiting Horizontally



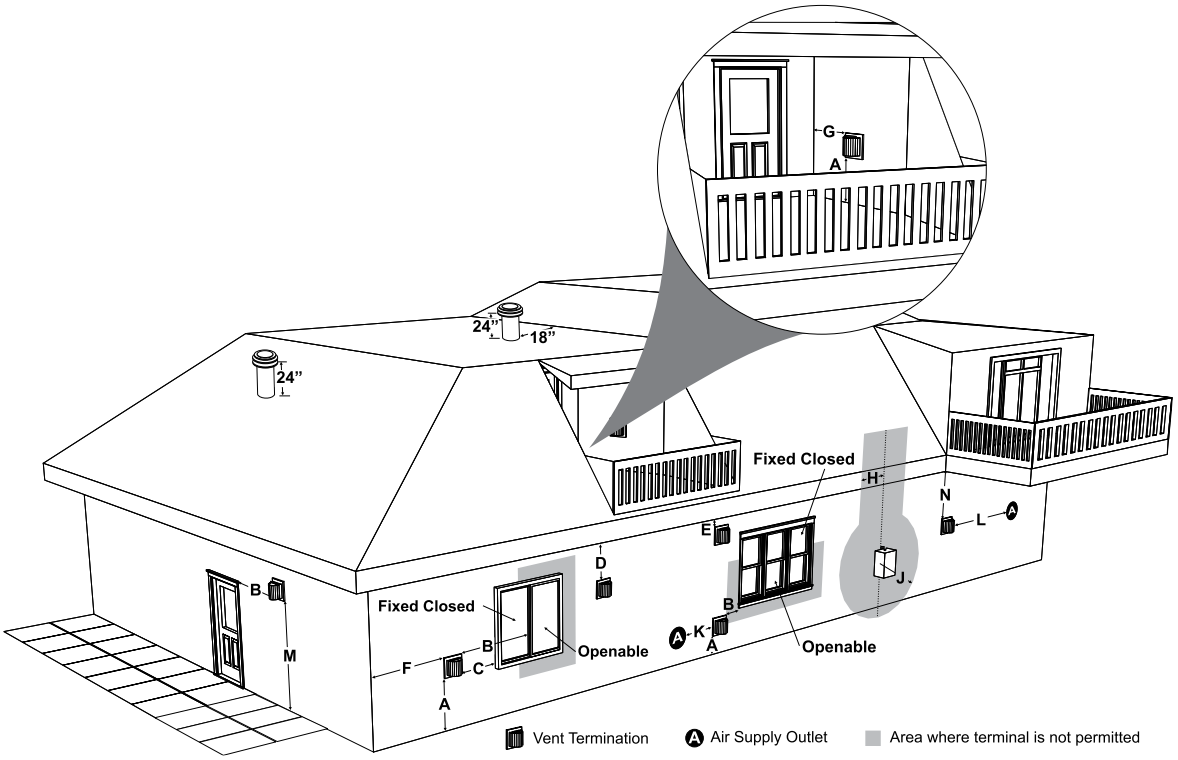
Vent Pipe Outside of Chase Enclosure

Horizontal Top	2" (51 mm)
Horizontal Side	1-1/2" (38 mm)
Horizontal Bottom	1-1/2" (38 mm)
Vertical Vent	1-1/2" (38 mm)

Vent Pipe Inside of Chase Enclosure

Horizontal Sides	6" (154 mm)
Horizontal Top	9" (229 mm)
Vertical Vent Sides	6" (154 mm)

Exterior Vent Termination Requirements



	Minimum Clearance Requirements	Canada[1]	USA[2]
A	Clearance above grade, veranda, porch, deck, or balcony	12"(30cm)	12"(30cm)
B	Clearance to window or door that may be opened	12"(30cm)	9" (23cm)
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61cm) from the center line of the terminal (check with the local code)	29"(74cm) AstroCap/All Other Approved Termination Caps 24"(60cm) DuraVent Only	29"(74cm) AstroCap/All Other Approved Termination Caps 24"(60cm) DuraVent Only
E	Clearance to unventilated soffit	29"(74cm) AstroCap/All Other Approved Termination Caps 24"(60cm) DuraVent Only	29"(74cm) AstroCap/All Other Approved Termination Caps 24"(60cm) DuraVent Only
F	Clearance to outside corner: with ***AstroCap*** Termination Cap.	13"(33cm)	13"(33cm)
	Clearance to outside corner: with all other approved Termination Caps.	13"(33cm)	13"(33cm)
G	Clearance to inside corner: with ***AstroCap*** Termination Cap	11"(28cm)	11"(28cm)
	Clearance to inside corner: with all other approved Termination Caps.	11"(28cm)	11"(28cm)
H	Clearance to each side of center line extended above meter/regulator assembly	36"(90cm)[a]	*
J	Clearance to service regulator vent outlet	36"(90cm)	*
K	Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance	12"(30cm)	9" (23cm)
L	Clearance to a mechanical air supply inlet #3' (91cm) above if within 10' (3m) horizontally.	72"(1.8m)	36"(90cm)[b]
M	Clearance above paved sidewalk or a paved driveway located on public property	84"(2.1m)†	*
N	Clearance under veranda, porch, deck, or balcony	12"(30cm)‡	*

1 In accordance with current CSA B149.1, *Natural Gas and Propane Installation Code*
2 In accordance with the current *ANSI Z223.1/NFPA 54, National Fuel Gas Code*
† A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings
‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor
* Clearance in accordance with local installation codes and the requirements of the gas supplier
a 3 feet (91cm) within a height of 15 feet (4.5m) above the meter / regulator assembly
b 3 feet (91cm) above - if within 10 feet (3m) horizontally

RIGID PIPE VENTING SYSTEMS-BASIC HORIZONTAL & VERTICAL TERMINATIONS (NON POWER VENT)

Rigid Pipe Vent Systems offer a complete line of component parts for installation of both horizontal and vertical installations. Many items are offered in decorative black, as well as galvanized finish.

The minimum components required for a basic <u>Horizontal Termination</u> are:

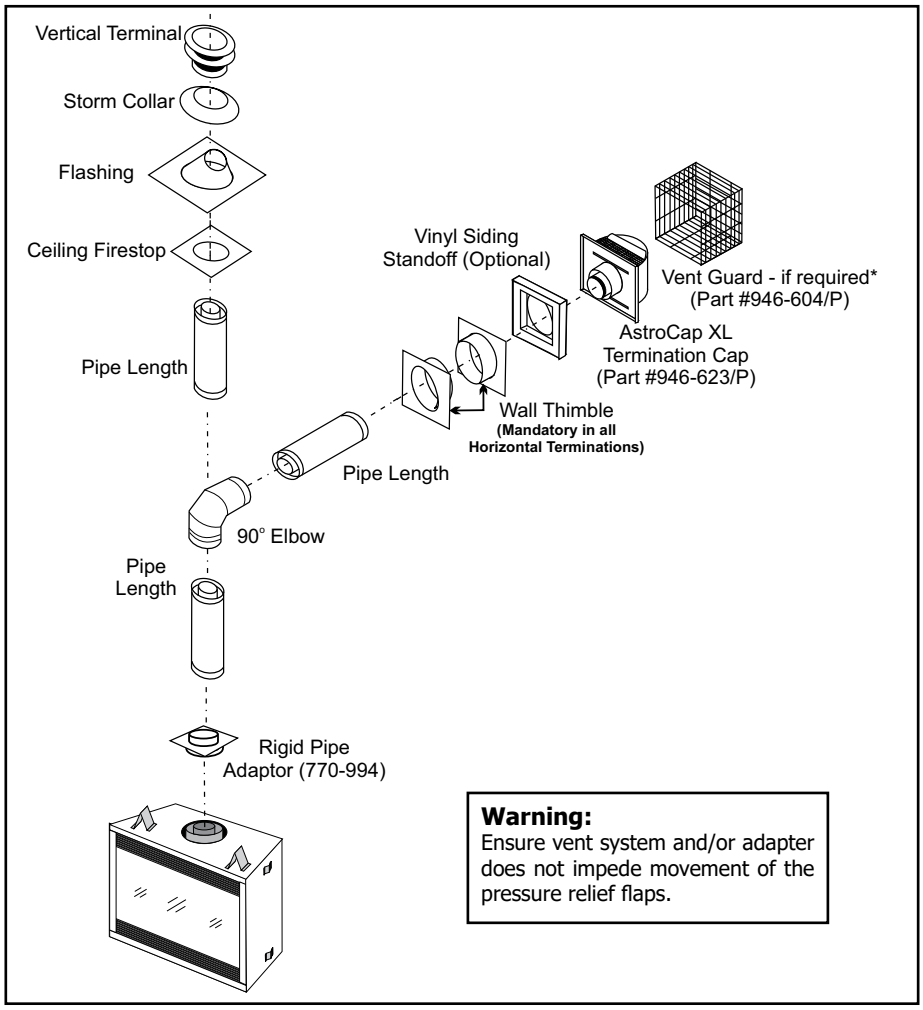
1 AstroCap XL Termination Cap
1 Vertical Pipe Length
1 90° Elbow
1 Rigid Pipe Adaptor
1 Wall Thimble
1 Length of rigid pipe to suit wall thickness

The minimum components required for a basic <u>Vertical Termination</u> are:

1 Vertical Termination Cap
1 Rigid Pipe Adaptor
1 Lengths of pipe to adequately penetrate roof
1 Ceiling Firestop
1 Flashing
1 Storm Collar

Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. For siding other than vinyl, furring strips may be used, instead of a vinyl siding standoff, to create a level surface to mount the vent terminal. The Terminal must not be recessed into siding. Measure the wall thickness including furring strips.

If a Vinyl Siding Standoff is required (it must be used with vinyl siding), measure to outside surface of wall without siding and add 2 inches.



Warning:
Ensure vent system and/or adapter does not impede movement of the pressure relief flaps.

When using Rigid Vent other than Simpson Dura-Vent, 3 screws must be used to secure rigid pipe to adaptor.

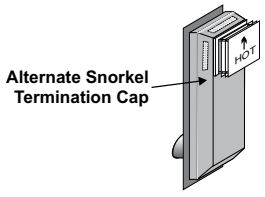
<u>WARNING:</u>

Do not combine venting components from different venting systems.

Exception: However, use of the the AstroCap XL™ is acceptable with all systems.

This product has been evaluated by Intertek when using a rigid pipe adaptor and use of any of the specific chimney systems listed in this manual. Use of these systems with the rigid pipe adaptor is deemed acceptable and does not affect the Intertek WHI listing of these components.

Alternate Horizontal Termination Caps



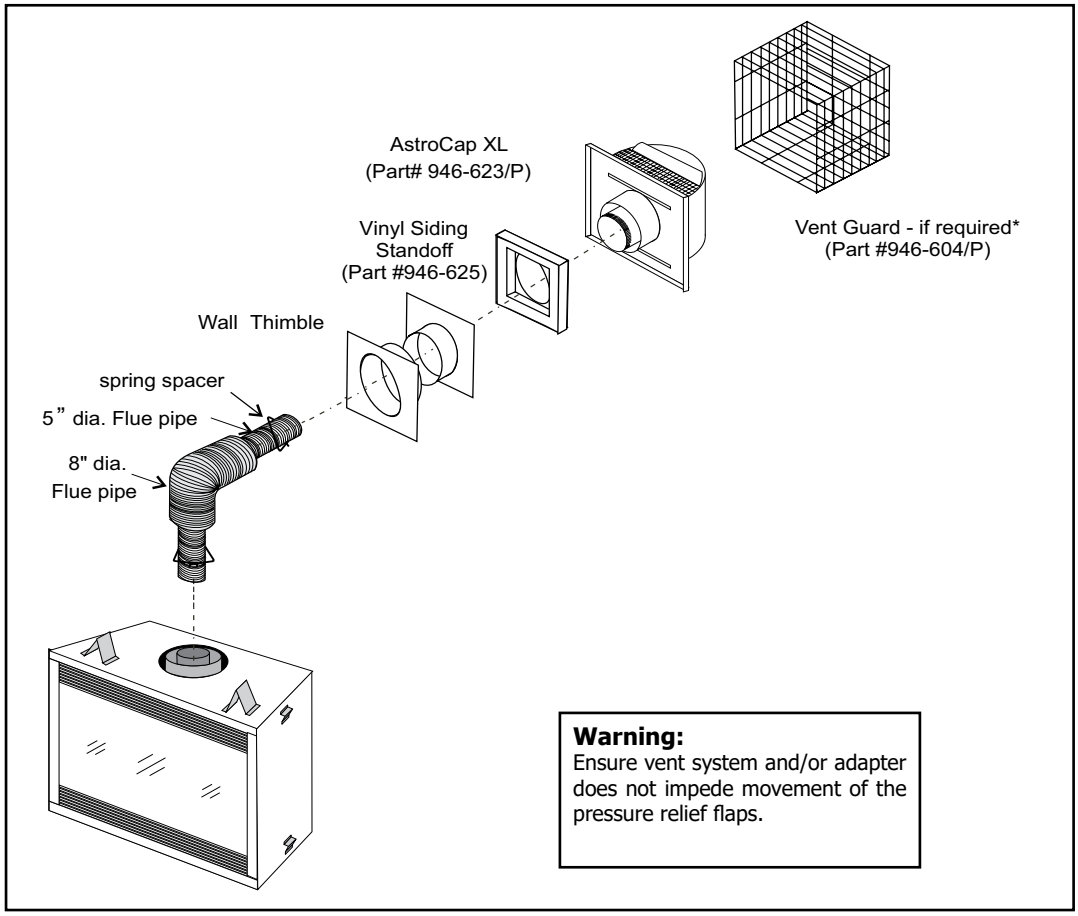
The Regency AstroCap™ is certified for installations using Regency venting systems as well as any specific chimney systems listed in this manual. AstroCap™ is a proprietary trademark of Regency Fireplace Products.

HORIZONTAL TERMINATIONS - FLEX VENT 5" X 8" (NON POWER VENT)

These venting systems, in combination with the G1200P Direct Vent Gas Fireplace, has been tested and listed as a direct vent heater system by Warnock Hersey. The location of the termination cap must conform to the requirements in the Vent Terminal Locations diagram in "Exterior Vent Termination Locations" section.

Regency® Direct Vent (Flex) System 4 foot Termination Kit (Part# 946-615), 6 foot Termination Kit (Part# 946-618) or 10 foot Termination Kit (Part# 946-616) includes all the parts needed to install the G1200P.

FPI Kit #	Length	Contains:
#946-615	4 Feet	**1)** 8" flexible liner (Kit length) **2)** 5" flexible liner (Kit length) **3)** spring spacers **4)** thimble **5)** ***AstroCap XL*** termination cap **6)** screws **7)** tube of Mill Pac **8)** plated screws **9)** S.S. screws #8 x 1-1/2" drill point **10)** vinyl siding standoff
#946-618	6 Feet	
#946-616	10 Feet	



Notes:

1) **Liner sections should be continuous without any joints or seams.**
2) **Only Flex pipe purchased from Regency may be used for Flex installations.**
3) **Regency® Direct Vent System (Flex) is only approved for horizontal terminations.**
4) **Horizontal vent must be supported every 3 feet.**
5) **Flex system can only be used up to a maximum continuous vent length of up to 10 feet. If longer runs are required, rigid pipe must be used.**

HORIZONTAL TERMINATIONS - RIGID PIPE 5" X 8" (NON POWER VENT)

The minimum components required for a basic horizontal termination are:

1 Horizontal Termination Cap
1 Rigid Pipe Adaptor (770-994)
1 Wall Thimble
1 Length of pipe to suit wall thickness (see chart)

Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. For siding other than vinyl furring strips may be used, instead of the vinyl siding standoff, to create a level surface to mount the vent terminal. The Terminal must not be recessed into siding. Measure the wall thickness including furring strips.

If a Vinyl Siding Standoff is required (it must be used with vinyl siding), measure to outside surface of wall without siding and add 2 inches.

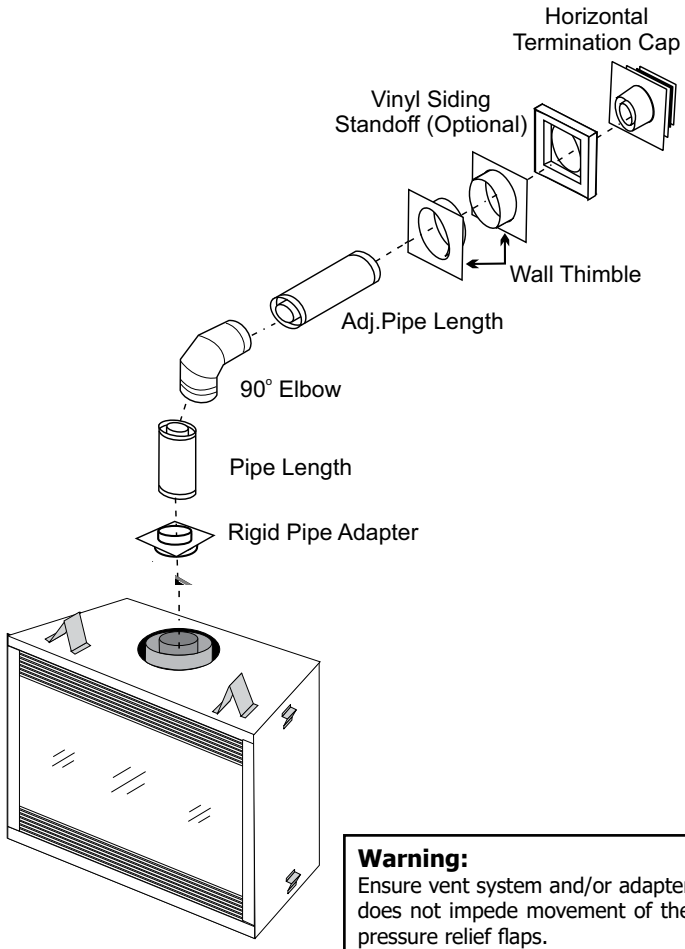
Flat Wall Installation	
Wall Thickness (inches)	Vent Length Required (inches)
4" - 5-1/2"	6"
7" - 8-1/2"	9"
10" - 11-1/2"	12"
9" - 14-1/2'	11" - 14-5/8" Adj. Pipe
15" - 23-1/2"	17" - 24" Adj. Pipe

WARNING:

Do not combine venting components from different venting systems.

However use of the the AstroCap™ and FPI Riser is acceptable with all systems.

This product has been evaluated by Intertek for using a Rigid Pipe Adaptor in conjunction with Duravent Direct-Vent, Selkirk Direct-Temp, Metal-Fab Sure Seal, ICC Excel Direct and Olympia Ventis DV systems. Use of these systems with the Rigid Pipe adaptor is deemed acceptable and does not affect the Intertek WHI listing of components.



***Unit is not exactly as shown.**

Warning:
Ensure vent system and/or adapter does not impede movement of the pressure relief flaps.

When using Rigid Vent other than Simpson Dura-Vent, 3 screws must be used to secure rigid pipe to adaptor.

The FPI AstroCap™ is certified for installations using FPI venting systems as well as Simpson Dura-Vent® Direct Vent, metal-Fab Sure Seal, ICC Excel, Olympia Ventis DV, Selkirk Direct-Temp. AstroCap™ is a proprietary trademark of FPI Fireplace Products International Ltd. Dura-Vent® and Direct Vent are registered and/or proprietary trademarks of Simpson Dura-Vent Co. Inc.

VENTING INTRODUCTION HORIZONTAL TERMINATIONS (NON POWER VENT)

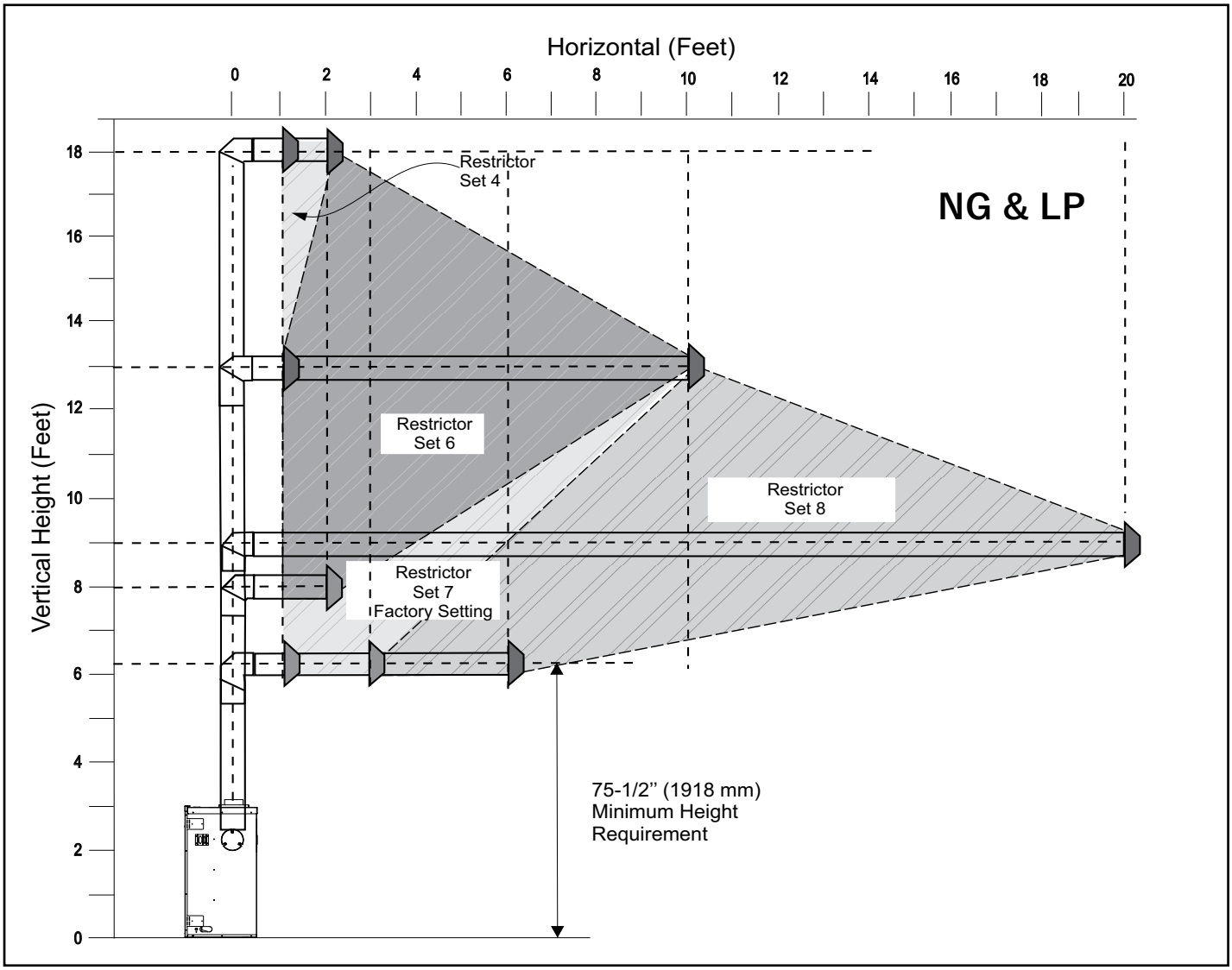
The G1200P uses the "balanced flue" technology co-axial system. The inner liner vents products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber, thereby eliminating the need to use heated room air for combustion and losing warm room air up the chimney. 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.

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

VENTING ARRANGEMENTS FOR HORIZONTAL TERMINATIONS (RIGID AND FLEX) FOR BOTH NATURAL GAS/PROPANE

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

Note : • Must use optional rigid pipe adapter (part# 770-994) when using rigid pipe venting systems.
• 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.



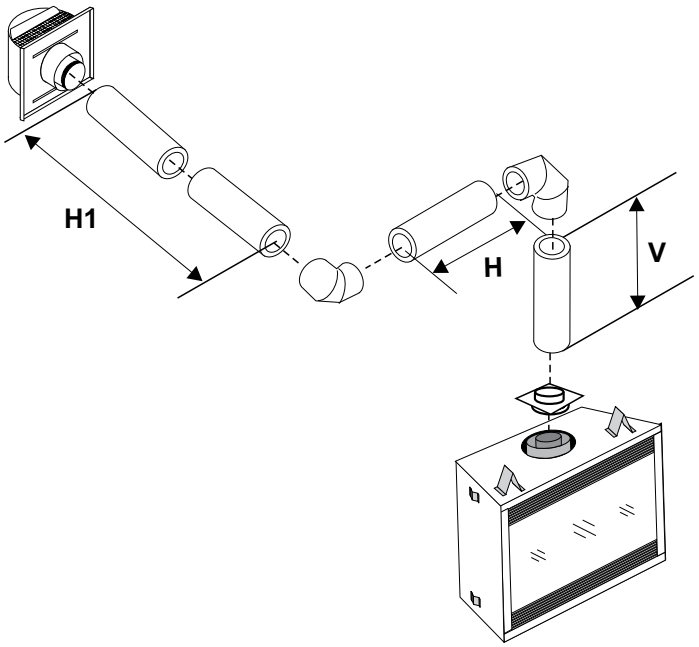
VENT RESTRICTOR SETTING:

Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting of Set 7 - 3 1/2" (89 mm) open - if required.

- 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.

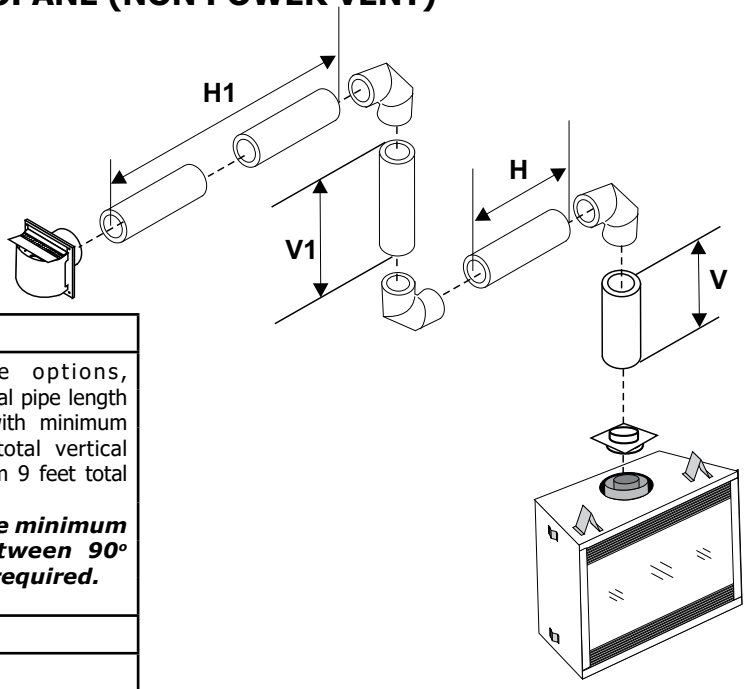
HORIZONTAL TERMINATIONS - TWO 90° ELBOWS (RIGID/FLEX PIPE 5" X 8") FOR BOTH NATURAL GAS/PROPANE (NON POWER VENT)

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. ***Please note minimum 1 foot between 90° elbows is required.***
A)	2' Min.	4' Max.	
B)	3' Min.	5' Max.	
C)	4' Min.	6' Max.	
D)	5' Min.	7' Max.	
E)	6' Min.	8' Max.	
Vent Restrictor Set 8			
Lengths do not include elbow indicated.			
Must use rigid pipe adaptor #770-994 when using rigid venting.			



Note: For horizontal terminations the Regency Direct Vent Flex System may be used for installations up to a maximum **continuous** vent length of 10ft (3.0 m).

HORIZONTAL TERMINATIONS - THREE 90° ELBOWS (RIGID/FLEX PIPE 5" X 8") FOR BOTH NATURAL GAS/PROPANE (NON POWER VENT)



One 90° elbow = Two 45° elbows.					
Option	**V**	**H**	**V + V1**	**H + H1**	With these options, maximum total pipe length is 30 feet with minimum of 12 feet total vertical and maximum 9 feet total horizontal. ***Please note minimum 1 foot between 90° elbows is required.***
A)	2' Min.	2' Max.	5' Min.	4' Max.	
B)	3' Min.	2' Max.	7' Min.	5' Max.	
C)	4' Min.	3' Max.	9' Min.	6' Max.	
D)	5' Min.	4' Max.	10' Min.	7' Max.	
E)	6' Min.	5' Max.	11' Min.	8' Max.	
F)	7' Min.	6" Max.	12' Min.	9' Max.	
Vent Restrictor Set 8					
Lengths do not include elbow indicated.					
Must use rigid pipe adaptor #770-994 when using rigid venting.					

Note: For horizontal terminations the Regency Direct Vent Flex System may be used for installations up to a maximum **continuous** vent length of 10ft (3.0m).

VENTING INTRODUCTION VERTICAL TERMINATIONS (NON POWER VENT)

The G1200P 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. 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 its own separate vent system. Common vent systems are prohibited.

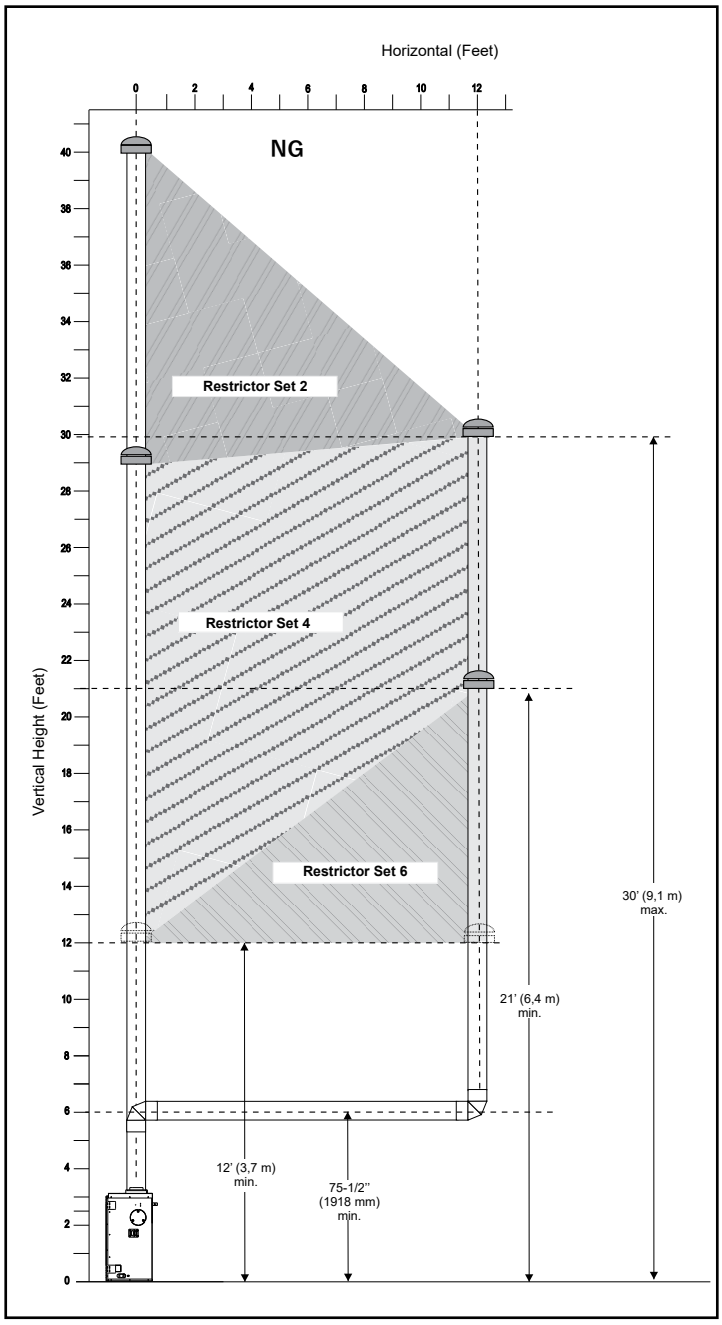
Note: These flue pipes must not be connected to any other appliance.

VENTING ARRANGEMENTS FOR VERTICAL TERMINATIONS - 5" X 8" (127 MM X 203 MM) RIGID AND FLEX PIPE (NATURAL GAS)

The shaded area in the diagram shows all allowable combinations of straight vertical and offset-to-vertical terminations, using two 90° elbows with rigid/flex pipe venting systems.

- Two 45° elbows equal to one 90° elbow.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (305 mm).
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Horizontal vent must be supported every 3 feet (0.9 m).
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (Part# 770-994) 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 7 - 3 1/2" (89 mm) if required.

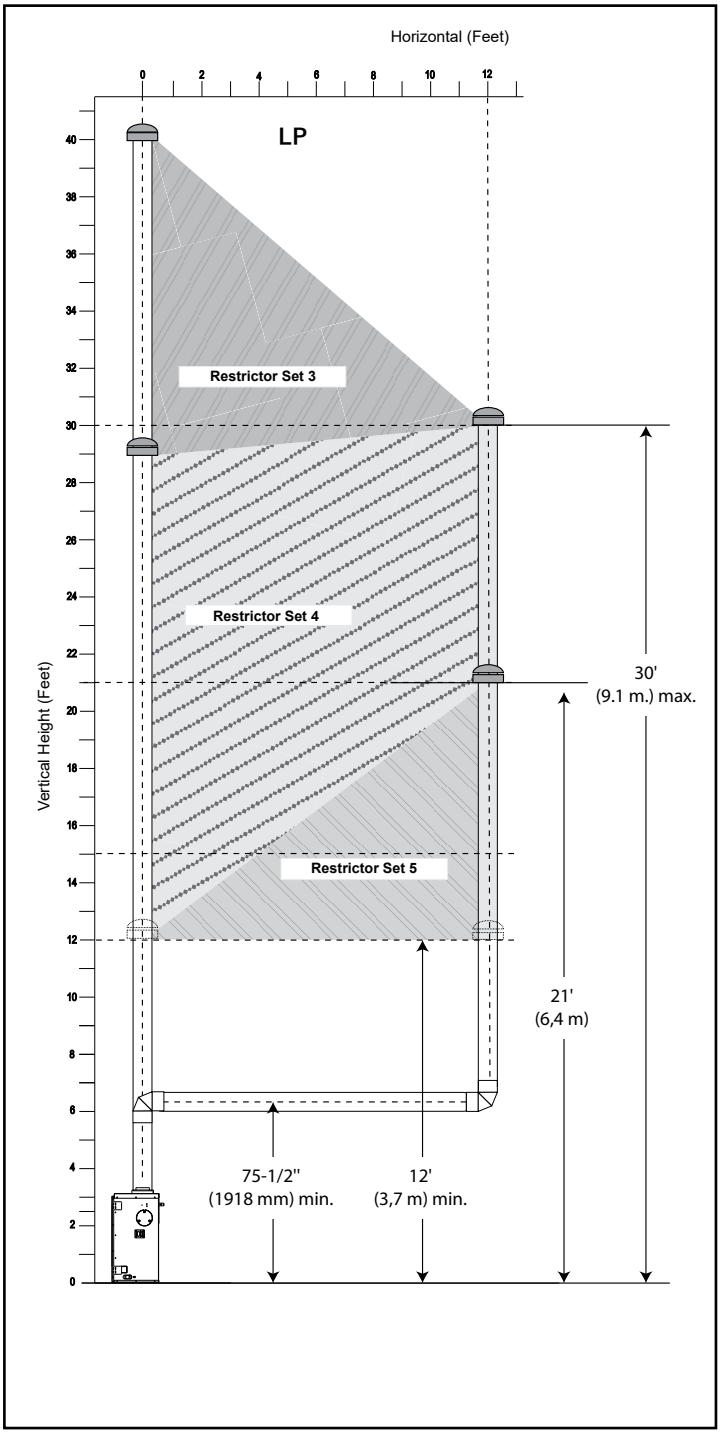
For vertical terminations, the Regency Direct Vent Flex System may be used for installations with a maximum vent length of up to 40 feet including offsets. If longer runs are required, rigid pipe must be used. If no offsets are used, the maximum run is per the chart on this page



VENTING ARRANGEMENTS FOR VERTICAL TERMINATIONS - 5" X 8" (127 MM X 203 MM) RIGID AND FLEX PIPE (PROPANE) (NON POWER VENT)

The shaded area in the diagram shows all allowable combinations
If straight vertical and offset-to-vertical terminations, using two 90° elbows with rigid/flex pipe venting systems.
- Two 45° elbows equal to one 90° elbow.
- Vent must be supported at offsets.
- Minimum distance between elbows is 1 ft. (305 mm).
- Maintain clearances to combustibles as listed in the Clearances" section.
- Horizontal vent must be supported every 3 feet (0.9 m).
- Firestops are required at each floor level and whenever passing through a wall.
- Must use optional rigid pipe adaptor (Part# 770-994) 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 (Set 7: 3-1/2" / 89 mm open).

If required for vertical terminations, the Regency Direct Vent Flex System may be used for installations with a maximum vent length of up to 40 feet including offsets. If longer runs are required, rigid pipe must be used. If no offsets are used, the maximum run is per the chart on this page.



VERTICAL TERMINATIONS - THREE 90° ELBOWS (RIGID/FLEX PIPE 5" X 8") FOR BOTH NATURAL GAS/PROPANE (NON POWER VENT)

One 90° elbow = Two 45° elbows.				
Option	**V**	**V + V1**	**H + H1**	With these options, maximum total pipe length is 30 feet with minimum of 10 feet total vertical and maximum 8 feet total horizontal. ***Please note minimum 1 foot between 90° elbows is required.***
A)	2' Min.	6' Min.	3' Max.	
B)	3' Min.	6' Min.	4' Max.	
C)	4' Min.	7' Min.	5' Max.	
D)	5' Min.	8' Min.	6' Max.	
E)	6' Min.	9' Min.	7' Max.	
F)	7' Min	10' Min.	8' Max.	
Vent Restrictor Set 8 **Lengths do not include elbow indicated.** Must use rigid pipe adaptor #770-994 when using rigid venting.