

B36XTE Gas Fireplace

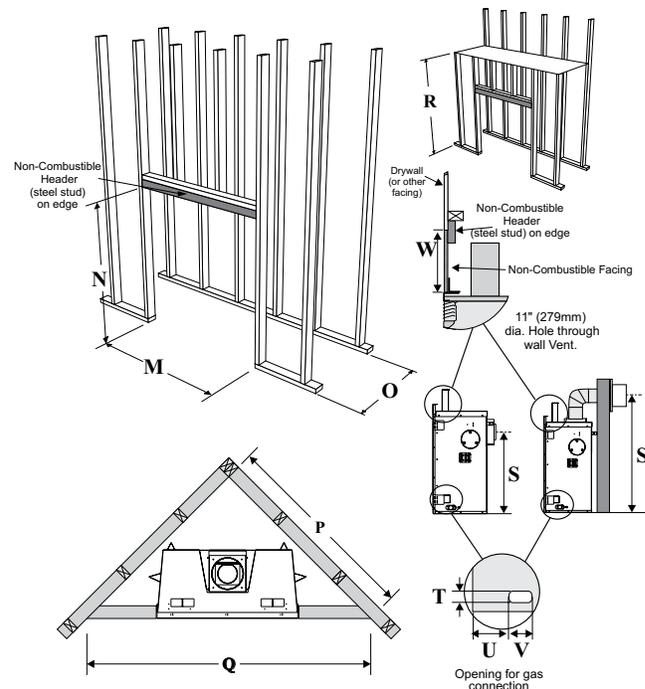
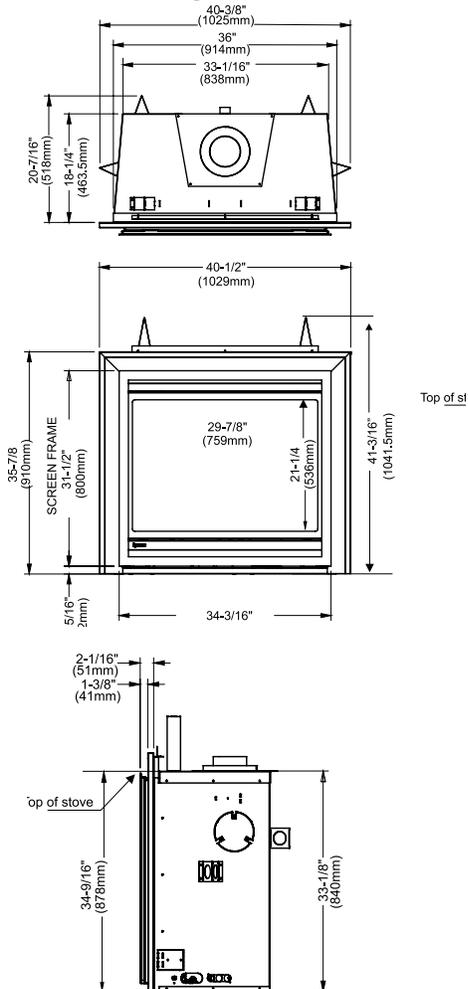
Model	B36XTE-NG10	B36XTE-LP10
Fuel Type	Natural Gas	Propane
Minimum Supply Pressure	5" W.C. (1.25 kPa)	11" W.C. (2.74 kPa)
Manifold Pressure - High	3.5" W.C. (0.87 kPa)	10" W.C. (2.49 kPa)
Manifold Pressure - Low	1.6" W.C. (0.40 kPa)	6.4" W.C. (1.60 kPa)
Orifice Size	#35 DMS	#51 DMS
Minimum Input	21,500 BTU/h (6.3 kW)	25,000 BTU/h (7.33 kW)
Maximum Input	31,000 BTU/h (9.09 kW)	31,000 BTU/h (9.09 kW)
Vent Sizing (Rear Vent)	5" Inner / 8" Outer	5" Inner / 8" Outer
Vent Sizing (Top Vent)*	5" Inner / 8" Outer	5" Inner / 8" Outer
*Optional Reducer Available. See Price Pages & Manual for more details		



Approved Venting Systems	
Flex Vent Systems:	FPI AstroCap™ Flex Vent
Rigid Pipe Vent Systems:	Simpson Direct Vent Pro® Selkirk Direct-Temp™ Metal-Fab® Sure Seal American Metal Products® ICC Excel Direct

Framing Dimensions	Description	B36XTE
M	Framing Width	40-5/8" (1032mm)
N	Framing Height	42" (1067mm)
O (Rear Vent)	Framing Depth - Rear Vent	20-3/4" (527mm)
O (Top Vent)	Framing Depth - Top Vent	20-1/2" (521 mm)
P (Top Vent)	Corner Facing Wall Width	48 - 5/8" (1235mm)
P (Rear Vent)	Corner Facing Wall Width	53" (1346mm) AstroCapXL 61-1/2" (1562mm) - other approved caps
Q (Top Vent)	Corner Facing Wall Width	68-3/4" (1746mm)
Q (Rear Vent)	Corner Facing Wall Width	75" (1905mm) AstroCapXL 87" (2209mm) - other approved caps
R (Rear Vent)	Framed Chase Ceiling - Rear	42" (1067mm)
R (Top Vent)	Framed Chase Ceiling - Top	50-1/2" (1283mm)
S (Rear Vent)	Vent Centerline Height - Rear	26-1/2" (673mm)
S (Top Vent) (5" x 8")	Vent Centerline Height - Top	42-1/8" (1070mm) Flex 44-1/4" (1123mm) Rigid
S (Top Vent) (4" x 6-5/8")	Vent Centerline Height - Top	- 49" (1245mm) Rigid
T	Gas Connection Height	1-1/2" (38mm)
U	Gas Connection Inset	4-1/8" (105mm)
V	Gas Connection Width	3-1/4" (82mm)
W	Non-combustible Height	8-3/4" (222mm)

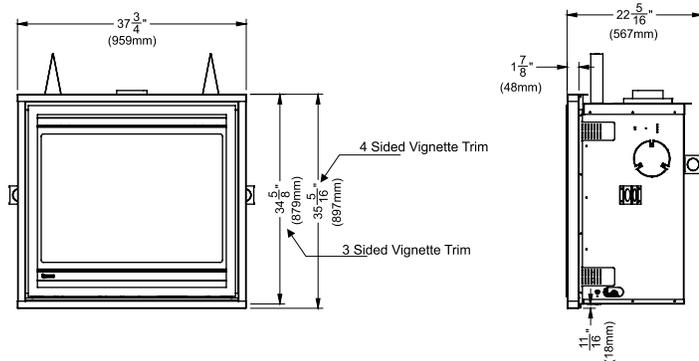
Unit Dimensions with Vignette:



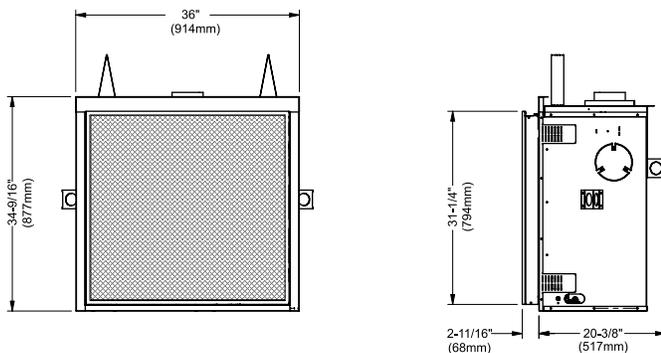
Framing with Vignette (no trim) or with Flush Panels and Safety Screen

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UNIT DIMENSIONS WITH VIGNETTE AND VIGNETTE FINISHING TRIM



UNIT DIMENSIONS WITH OPTIONAL FLUSH PANELS AND SAFETY SCREEN



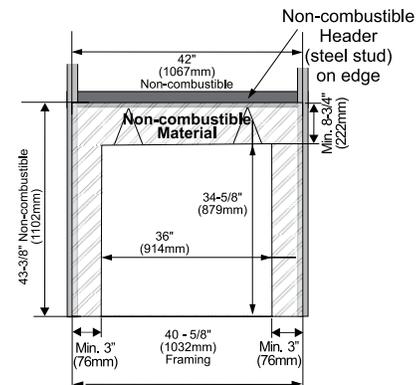
FRAMING WITH VIGNETTE AND VIGNETTE TRIM FINISHED FLUSH

Framing Dimensions	Description	B36XTE
M	Framing Width	42-1/4" (1073mm)
N*	Framing Height	42" (1067mm)
O (Rear Vent)	Framing Depth - Rear Vent	22-1/8" (559mm)
O (Top Vent)	Framing Depth - Top Vent	21-7/8" (553 mm)
P (Top Vent)	Corner Facing Wall Width	51 - 5/16" (1303mm)
P (Rear Vent)	Corner Facing Wall Width	55-11/16" (1414mm) AstroCapXL 64-3/16" (1630mm) - other approved caps
Q (Top Vent)	Corner Facing Wall Width	72-1/2" (1842mm)
Q (Rear Vent)	Corner Facing Wall Width	78-3/4" (2000mm) AstroCapXL 90-3/4" (2305mm) - other approved caps
R (Rear Vent)	Framed Chase Ceiling - Rear	42" (1067mm)
R (Top Vent)	Framed Chase Ceiling - Top	50-1/2" (1283mm)
S (Rear Vent)	Vent Centerline Height - Rear	26-1/2" (673mm)
S (Top Vent) (5" x 8")	Vent Centerline Height - Top	42-1/8" (1070mm) Flex 44-1/4" (1123mm) Rigid
S (Top Vent) (4" x 6-5/8")	Vent Centerline Height - Top	- 49" (1245mm) Rigid
T	Gas Connection Height	1-1/2" (38mm)
U	Gas Connection Inset	4-1/8" (105mm)
V	Gas Connection Width	3-1/4" (82mm)
W	Non-combustible Height	8-3/4" (222mm)

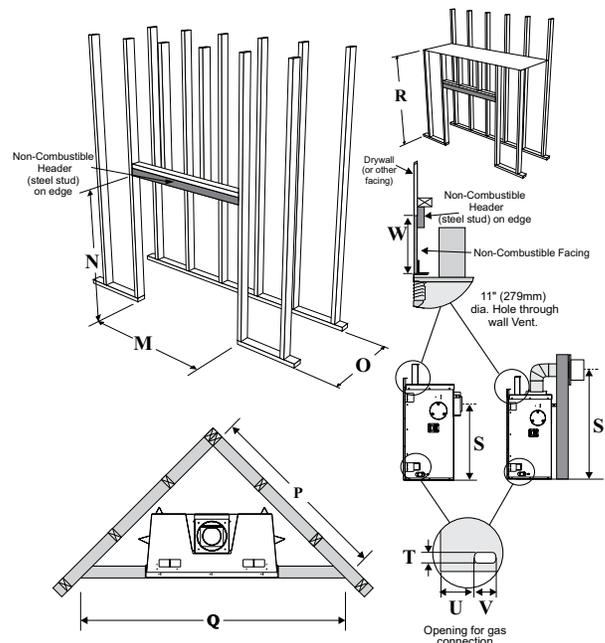
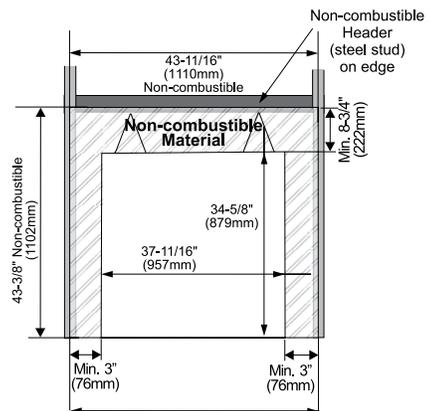
*NOTE: When using the optional Vignette finishing trim, this can be installed as a 3-sided or 4-sided finish trim. If choosing to use this as a 4-sided finish trim the framing would need to be increased by 11/16" inches minimum in order for this to fit. This must be to the finished floor. (Eg :42" framing height + 11/16" to bottom of 4-sided finishing trim +1/2" thick finished floor = 43 3/16

NON-COMBUSTIBLE REQUIREMENTS

Vignette (no Finishing Trim) or with Flush Panels and Safety Screen

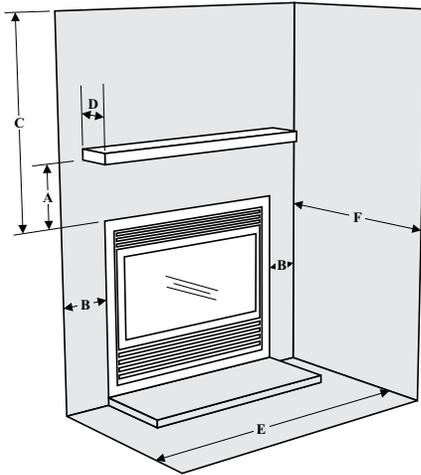


Vignette + Vignette Finishing Trim Flush Finished

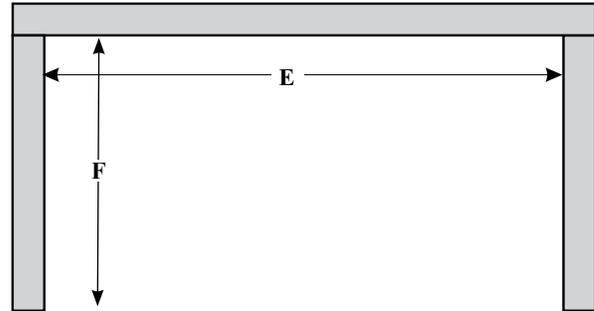


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CLEARANCE REQUIREMENTS



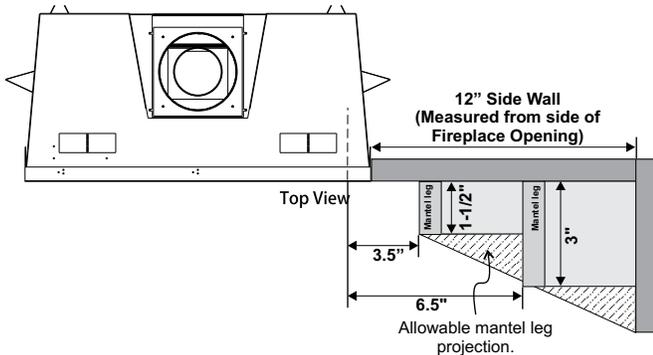
E: Alcove Width	84" (2134mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914mm)	Front to Back Wall (Maximum)
Notes:	0"	No Hearth Required



Clearance:	Dimension	Measured From:
A: Mantel Height	13" (min)	Top of Fireplace Opening
B: Sidewall	12" (one side only)	Side of Front Firebox
C: Ceiling	36-3/4"	Top of Fireplace Opening
D: Mantel Depth	12" (max)	Top of Fireplace Opening

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)

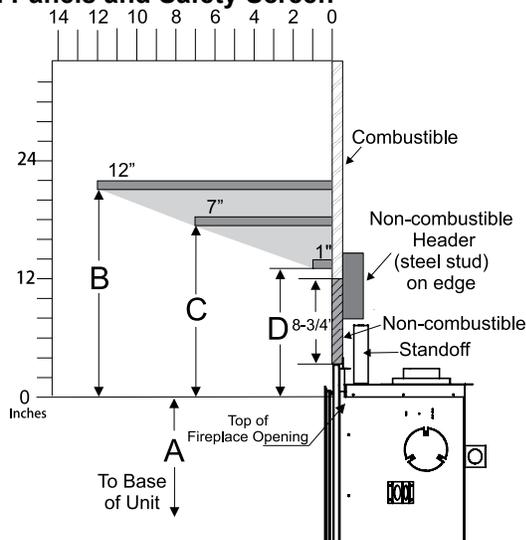


MANTEL CLEARANCES

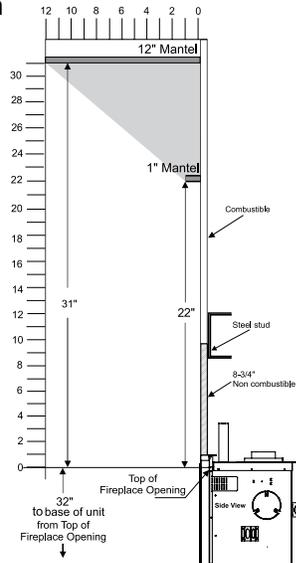
Mantel Clearances B36XTE	A	B	C	D
From Top of Fireplace Opening	32" (813mm)	22" (559mm)	17-1/2" (445mm)	13" (330mm)

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

Mantel Clearance with Vignette (No Vignette Trim) and Flush Panels and Safety Screen



Mantel Clearance with Vignette and Vignette Finishing Trim



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FINISHING

IMPORTANT FINISHING DETAIL NOTE:

Before placing unit into final position - it is important to know the total thickness / height of finished hearth (tile, carpet, etc.) The base of the fireplace should be level or higher than the finished hearth height.

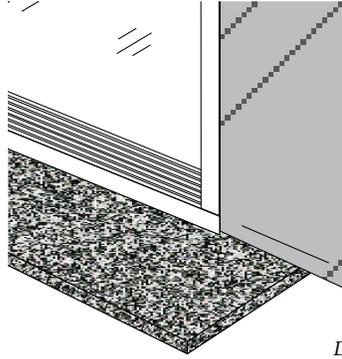


Diagram 1

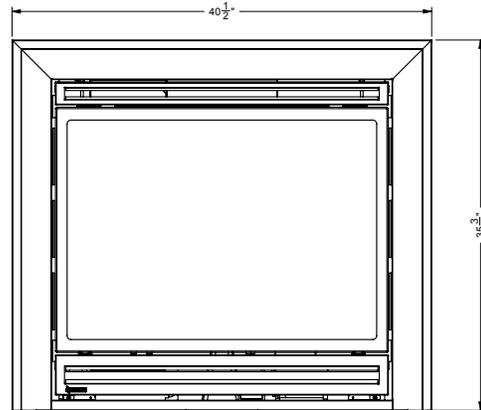


Diagram 3 Shown with optional finishing trim

Note: All non-combustible facing material should butt up cleanly to the flanges around the firebox opening.

Rough edges will be visible from the front view with the flush louvers or flush panels - if not using the optional finishing trim.

To maintain a clean finished edge - it is recommended to install the non-combustible facing material with the finished edge against the fireplace / nailing strips.

Alternatively, you can use J Style Trim or Metal Corner Bead to cover cut edges of the non-combustible facing material.

Important:

Finishing materials such as tile, river rock, etc. **must not** protrude beyond the front facing flanges the sides and top of the firebox opening.

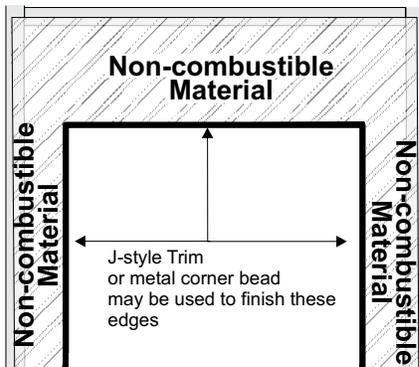


Diagram 2

B36XTE Gas Fireplace

Rear Vent with Horizontal Termination

(see Diagram 1)

- Can only use 5" x 8" venting
- Use either 5" x 8" AstroCap™ Flex Vent or approved Rigid Vent System with Rigid Pipe Adaptor (770-994).
- Horizontal vent must be supported every 3 feet

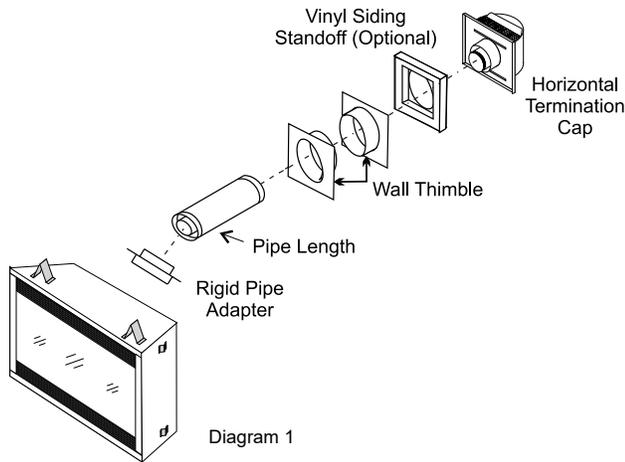


Diagram 1

Top Vent with Horizontal Termination

- Top Vent [5" x 8"]
- For use with Top Vent, Rigid Venting applications only.
- Horizontal vent must be supported every 3 feet

Top Vent - No Vertical Rise (see Diagram 3).

- When venting with a 90° elbow directly off the unit, must use 5" x 8" AstroCap™ Flex Vent or approved Rigid Vent System

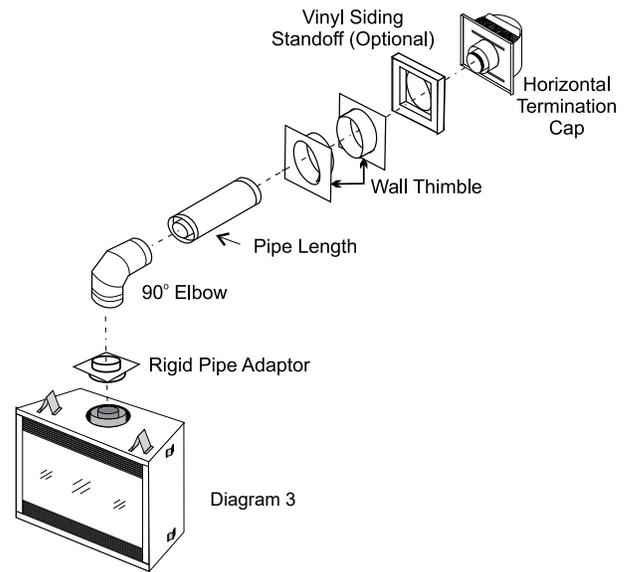


Diagram 3

Top Vent with Vertical Termination

(see Diagram 2).

- All vent configurations use 4" x 6-5/8" (reducer required 946-606. approved Rigid Vent System.
- Must use Rigid Pipe Adaptor (770-994. for all applications.
- Maximum 40 ft. vent run

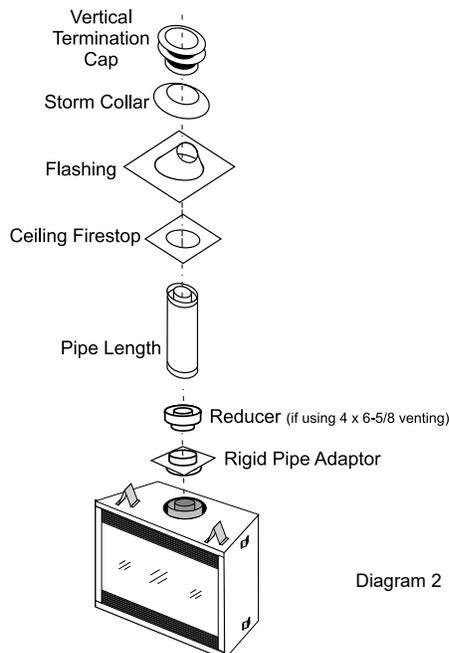


Diagram 2

Top Vent - With Vertical Rise (see Diagram 4).

- All vent configurations use either 4" x 6-5/8" (reducer required 946-606. approved Rigid Vent System.

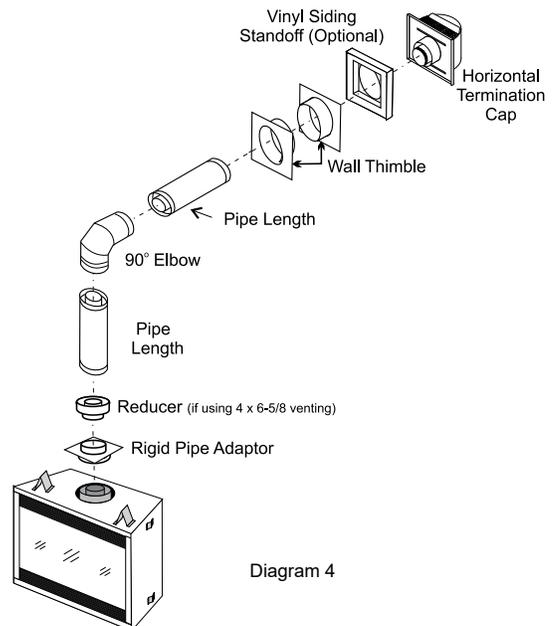


Diagram 4

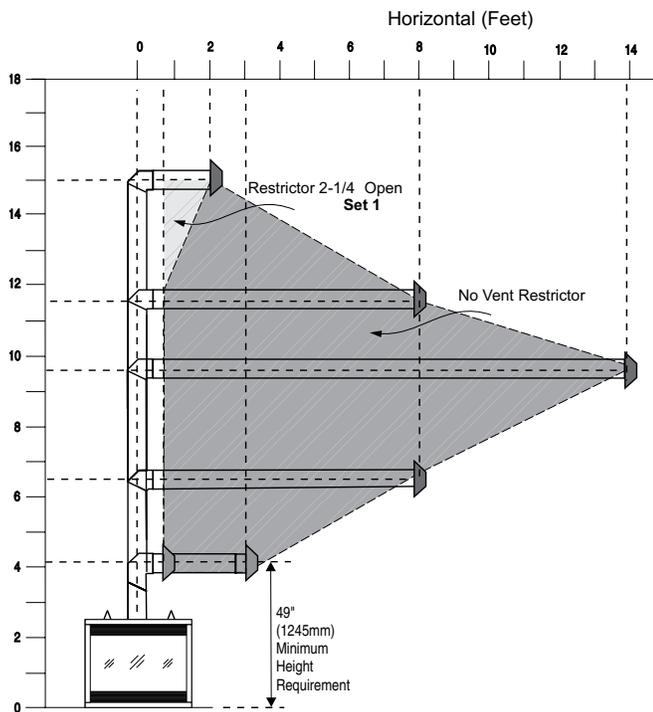
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VENTING ARRANGEMENTS FOR HORIZONTAL TERMINATIONS

RIGID PIPE 4" X 6-5/8"

(MUST USE REDUCER PART # 946-606 & 770-994 RIGID PIPE ADAPTOR)

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



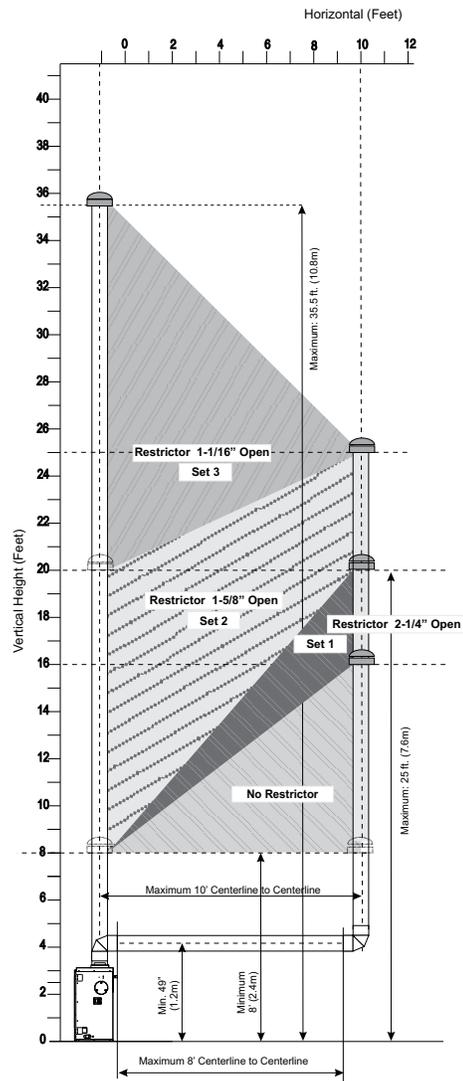
- Maintain clearances to combustibles as listed in "Clearances" section
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.
- A wall thimble is mandatory for all horizontal terminations due to high temperatures.

VENTING ARRANGEMENTS FOR VERTICAL TERMINATIONS

RIGID PIPE 4" X 6-5/8"

(MUST USE REDUCER PART # 946-606 & 770-994 RIGID PIPE ADAPTOR)

The shaded area in the diagram shows all allowable combinations of straight vertical and offset to vertical terminations, using two 90° elbows, with Rigid Pipe Venting Systems for Propane and Natural Gas. Two 45° elbows equal to one 90° elbow. Maximum of four 45° elbows allowed.



- Vent must be supported at offsets.
- Firestops are required at each floor level and whenever passing through a wall.
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting to 2-1/4" opening, 1-5/8" opening and to 1-1/16" opening.

Note: Must use optional flue adapter when using Rigid Pipe (Part # 770-994)