

Fireplace and Venting Specifications

for
architects
&
designers

IMPORTANT

This booklet is intended as a basic specification guide for architects, designers and builders. Please refer to the Instruction Manual supplied with the fireplace for detailed information regarding installation and operation. Product installation manuals can also be viewed at:
www.townandcountryfireplaces.com



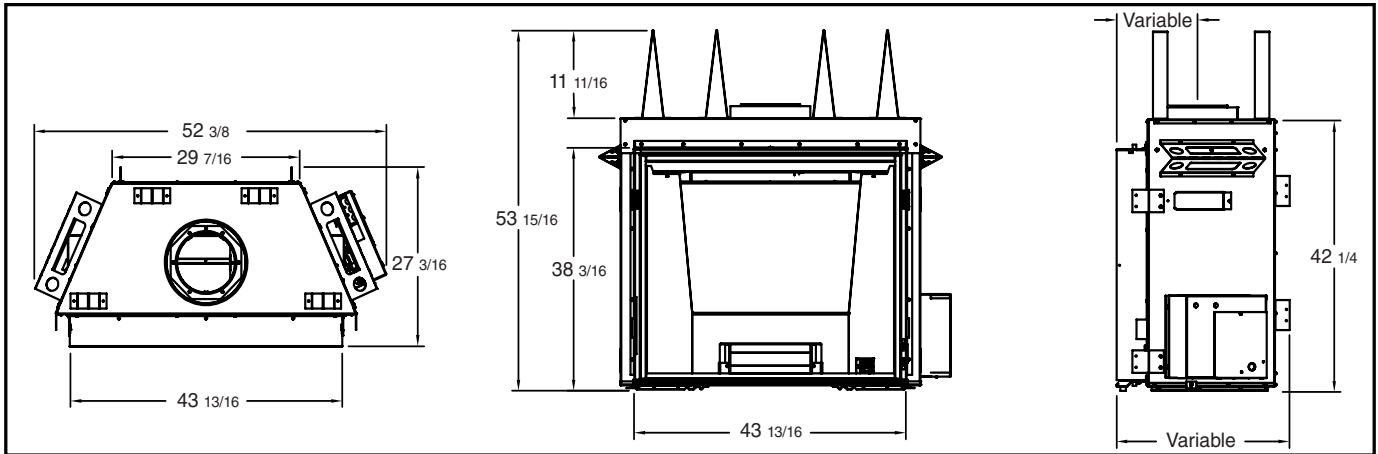
TOWN & COUNTRY
LUXURY FIREPLACES™

TC42 Outdoor Series C



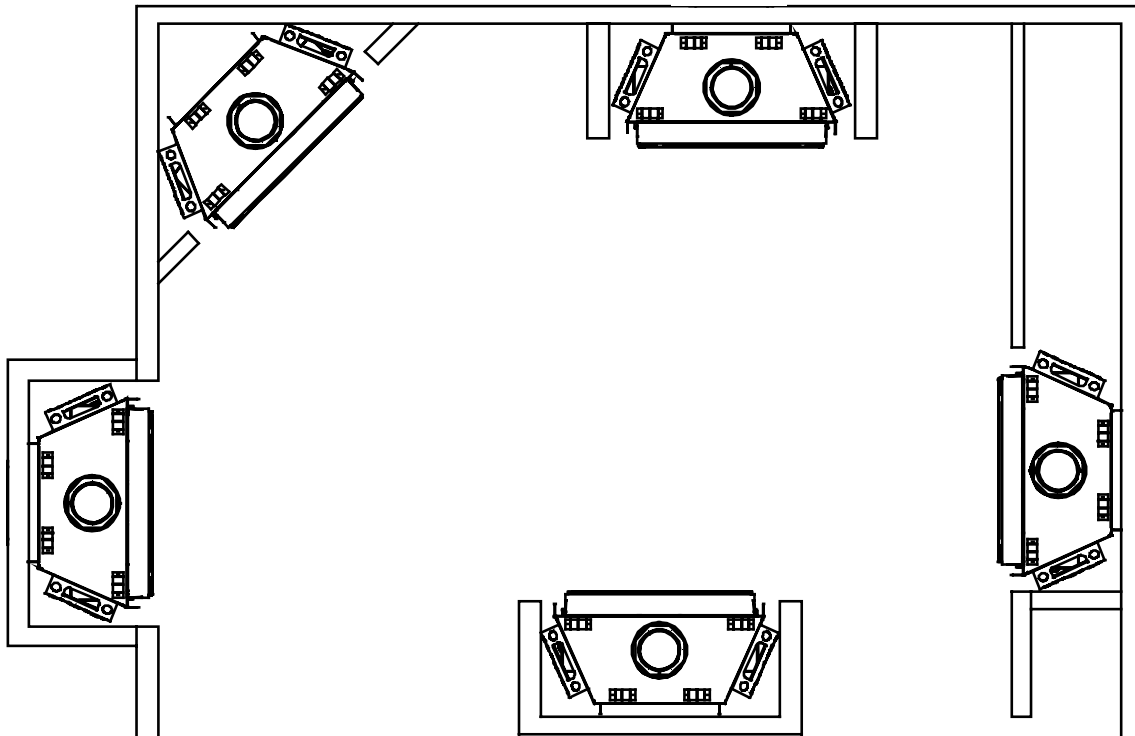
Model TC42 Outdoor Series C

Fireplace Dimensions



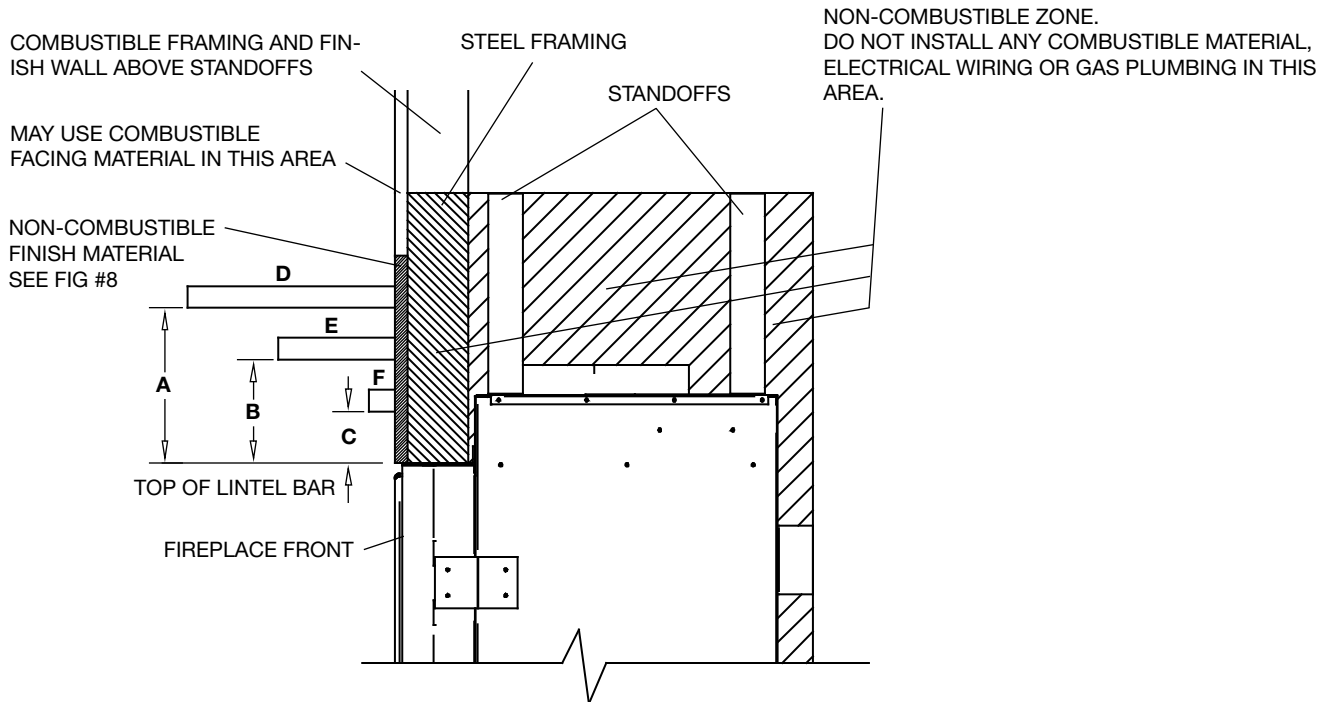
TC42.CODE Cad Drawing
Available at
www.townandcountryfireplaces.com

Examples of Common Locations



For reference only. Consult Manual before installation

Mantel Clearance Chart

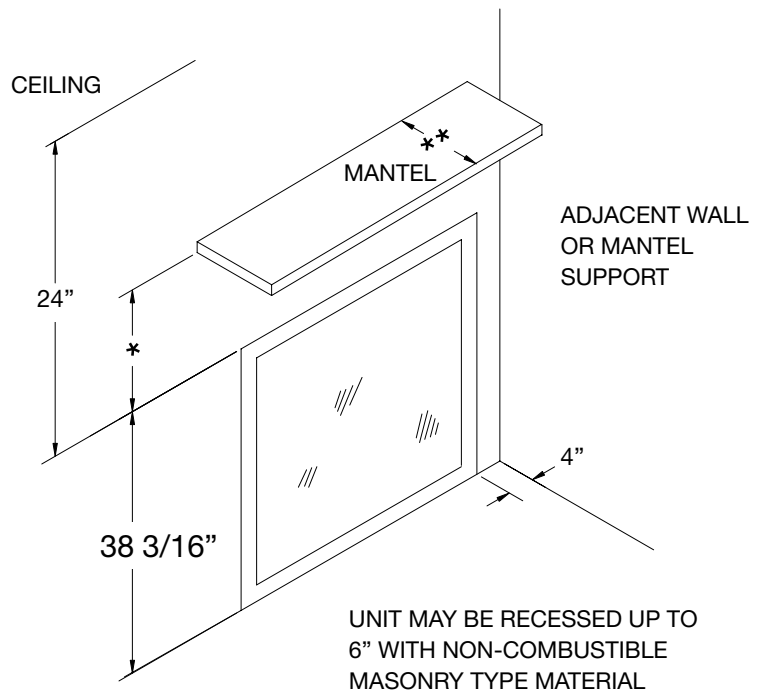


REF.	MANTLE CLEARANCE	REF.	MANTLE EXTENSION
A	9"	D	12"
B	6"	E	6 3/4"
C	3"	F	1 1/2"

Minimum Clearances to Combustibles

Minimum Clearances:

Side standoffs.....	0 in.	(0 mm)
Back standoffs.....	0 in.	(0 mm)
Top standoffs.....	0 in.	(0 mm)
Bottom of appliance.....	0 in.	(0 mm)
Adjacent side wall.....	4 in.	(102 mm)
Ceiling to appliance.....	24 in.	(610 mm)
*Mantel to appliance.....		See Figure #2
**Maximum Mantel extension.....		See Figure #2
Mantel support.....	4 in.	(102 mm)
Vertical vent pipe.....	1 3/4 in.	(45 mm)
Horizontal Vent pipe (Top, sides and bottom).....	1 3/4 in.	(45 mm)

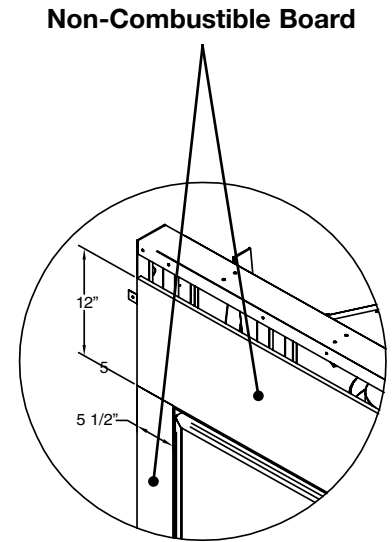
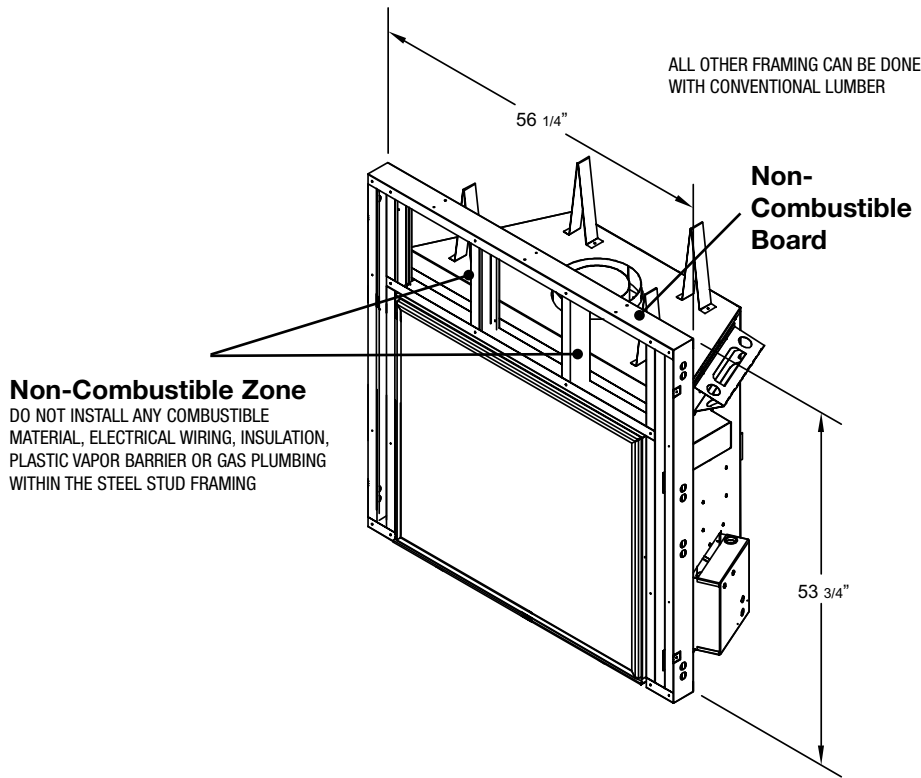


For reference only. Consult Manual before installation

Steel Stud Framing Kit Dimensions

Kit supplied with unit

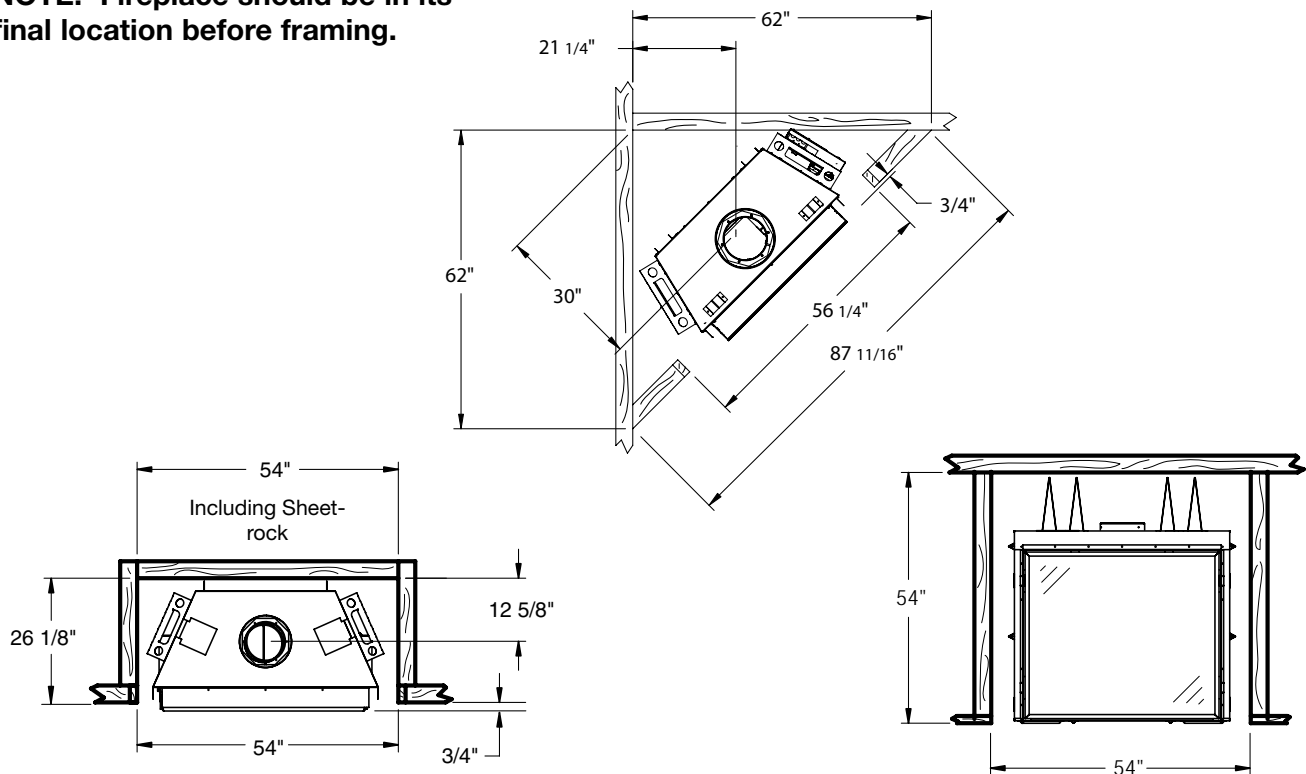
Non-combustible Board Detail



Non-combustible materials must extend 12" above and 5 1/2" to the sides of the framing edges.

Minimum Combustible Framing Dimensions

NOTE: Fireplace should be in its final location before framing.

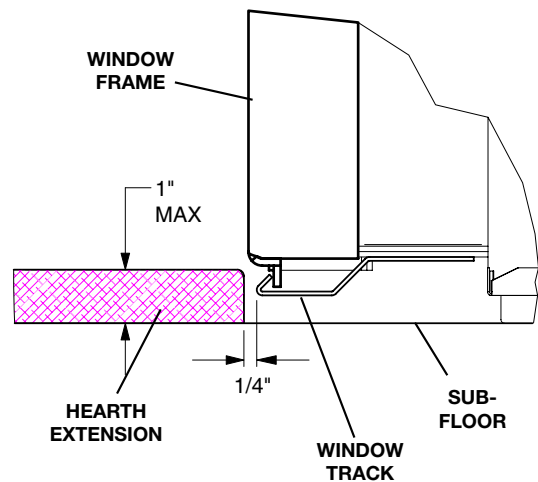


For reference only. Consult Manual before installation

Hearth Extension

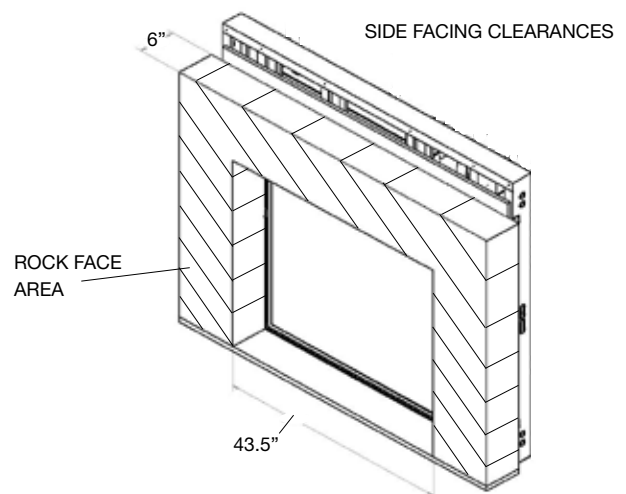
Caution: While a hearth extension is not required and combustible flooring materials may be brought directly up to the fireplace, many materials (such as wood flooring) may not tolerate the radiant heat from this fireplace, resulting in discoloration, shrinking and cracking. For this reason, we suggest a non-combustible hearth that is no more than 1" above the bottom of the fireplace. If thicker, fireplaced must be raised accordingly.

Caution: Hearth extensions thicker than 1" will interfere with the window frame.



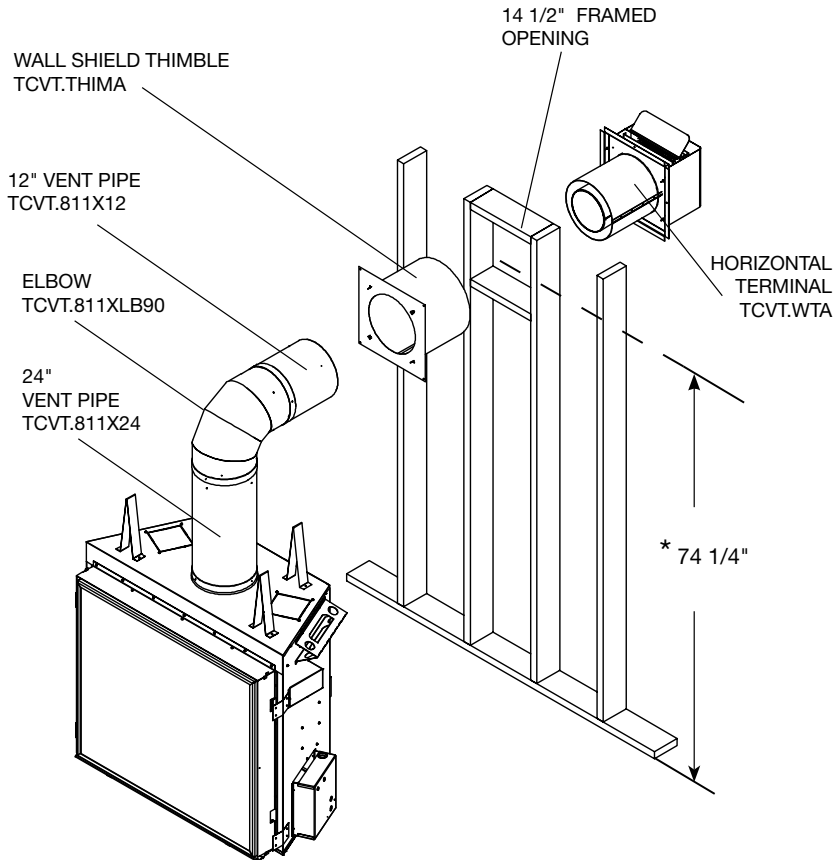
Side Facing Clearances

This fireplace may be recessed up to a maximum depth of 6". This recess must be constructed from non combustible material. The space between the outside lintels and the firebox must be completely free of any debris and the window with trim fitted must be able to move freely. No building material is permitted to protrude past the lintel bars attached to the fireplace under ANY circumstance.



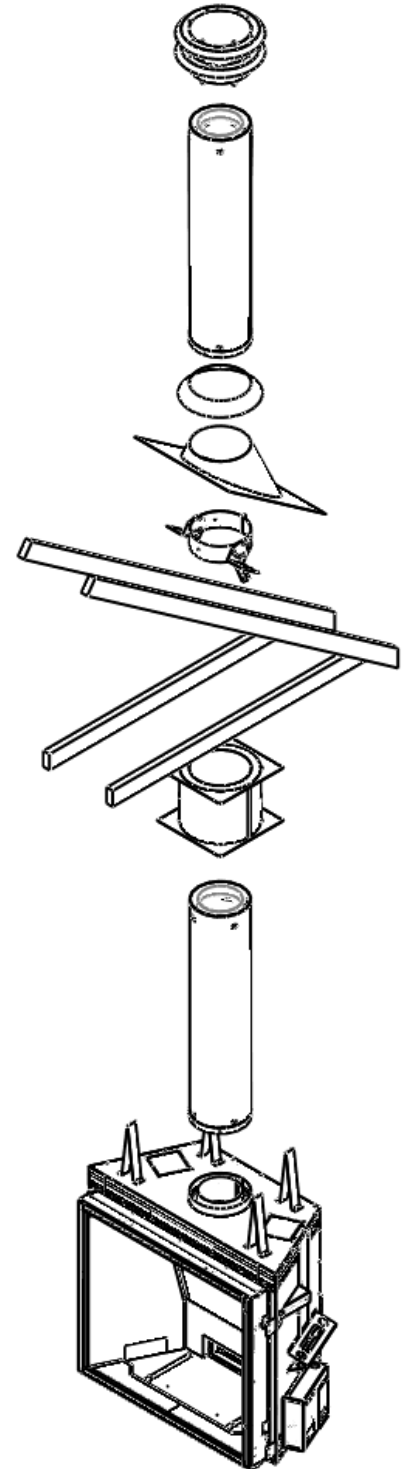
For reference only. Consult Manual before installation

Direct Vent Wall Installation



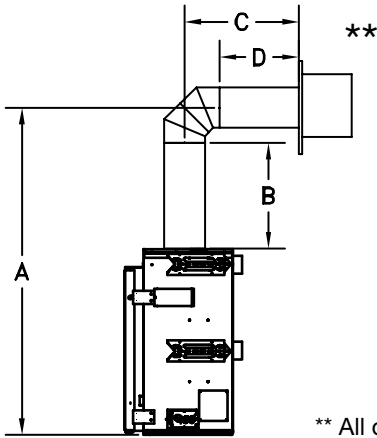
* Minimum height from the floor to center of the opening with a maximum horizontal run of 18" from the center of the flue outlet to the outside face of the outer wall. The height will need to be increased if a longer horizontal pipe is required.

Direct Vent Roof Installation



For reference only. Consult Manual before installation

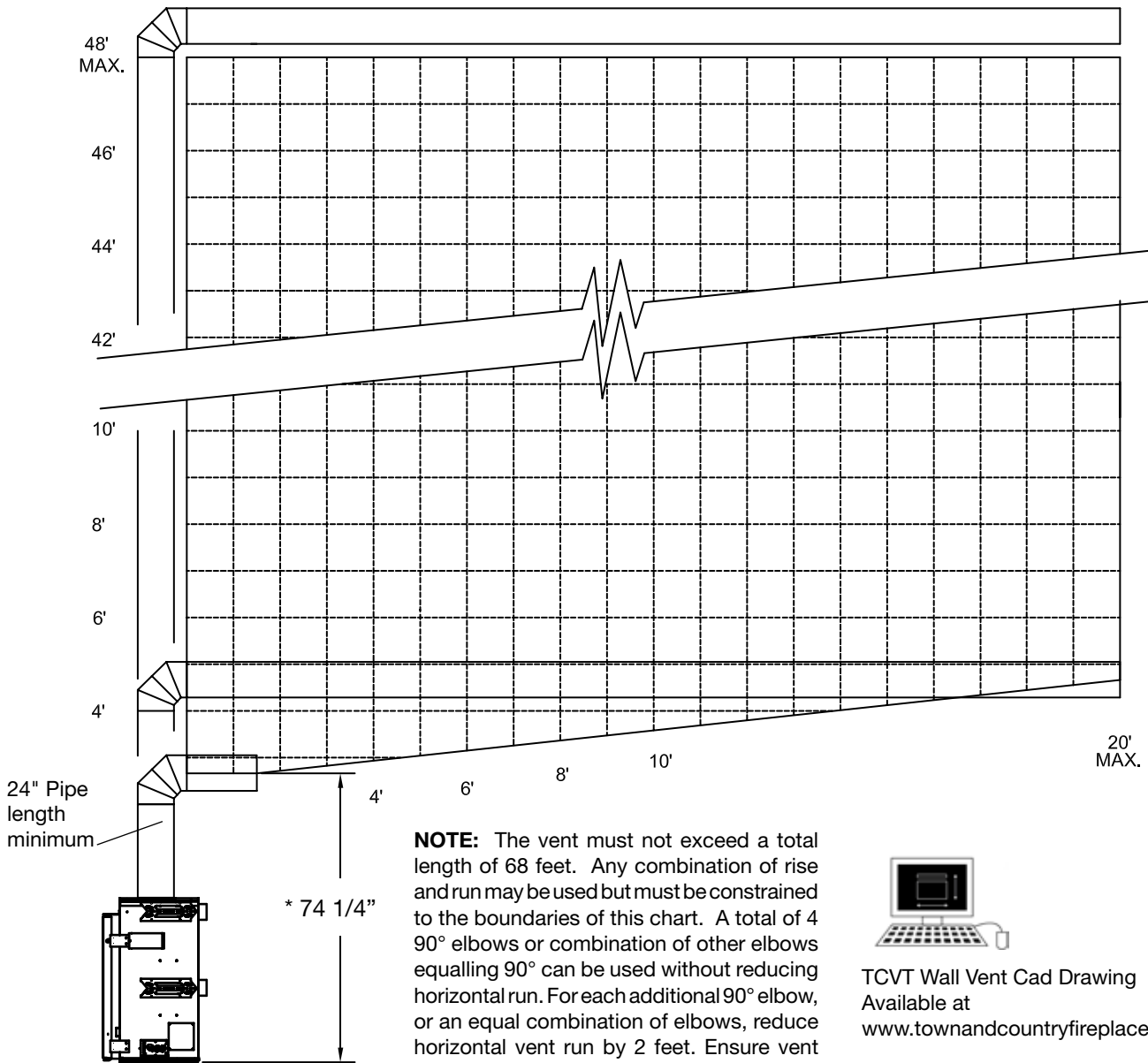
Wall Termination Venting Charts



A Minimum rise	B Pipe length	C Maximum run	D Pipe length Max.
74 1/4"	1-24"	18"	1-12"
78 1/2"	1-12" 1-18"	75 3/4"	1-48" 1-12"
84 1/2"	1-24" 1-12"	11' 2"	2-48" 1-24"
90 1/2"	1-24" 1-18"	15' 10 1/2"	3-48" 1-24" 1-12"
98 1/4"	1-48"	20' 10 1/2"	5-48"

For other rise/run combinations see chart below

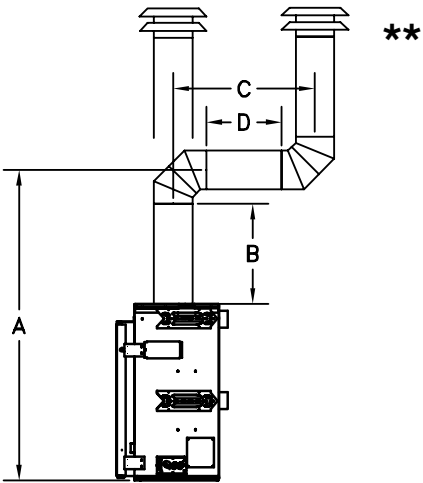
** All dimensions are approximate. Both rise and run may vary with different combinations of pipe.



TCVT Wall Vent Cad Drawing
Available at
www.townandcountryfireplaces.com

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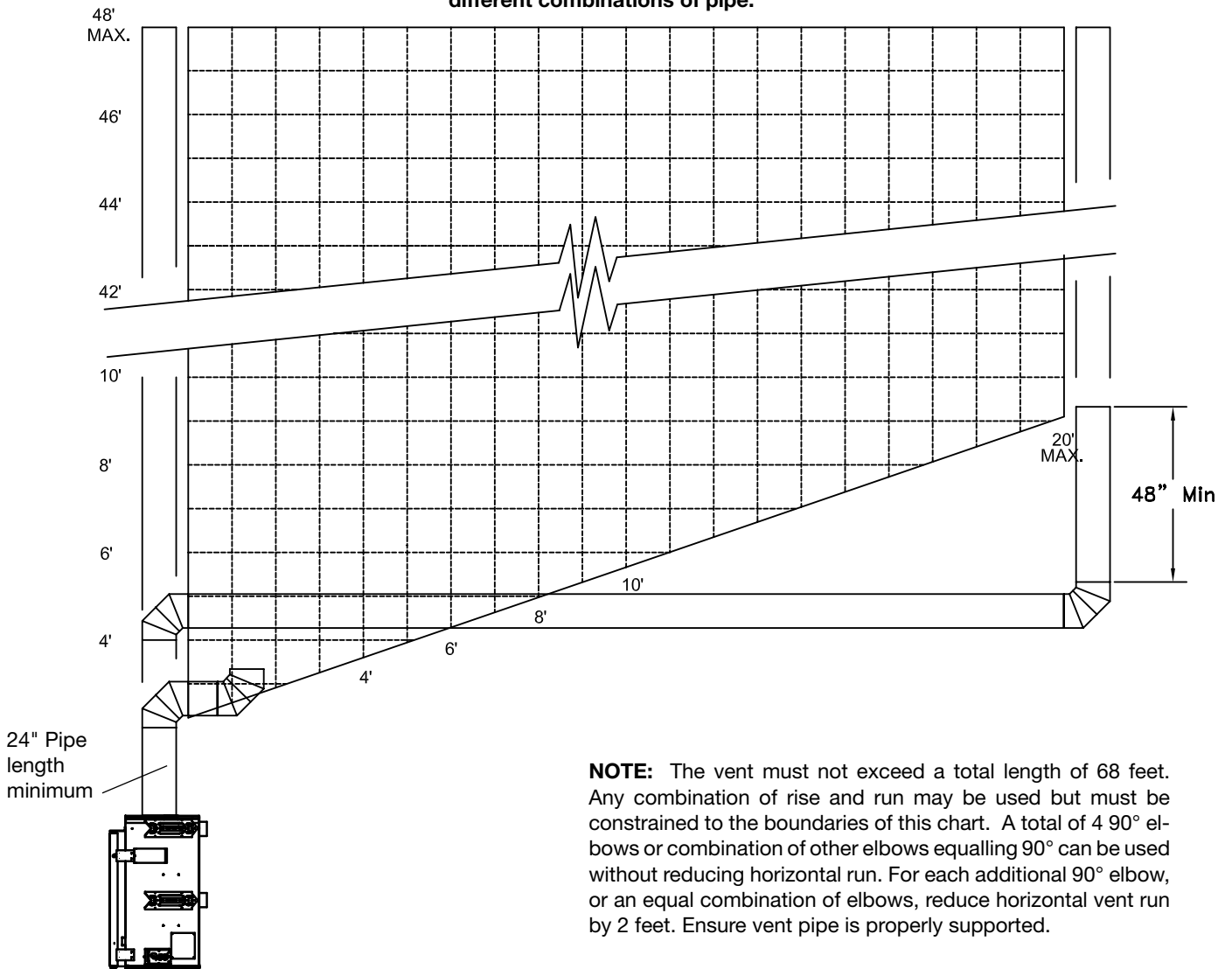
Roof Termination Venting Charts



A Minimum rise	B Pipe length	C Maximum run	D Pipe length Maximum
74 1/4"	1-24"	29"	1-12"
78 1/2"	1-12" 1-18"	77 1/4"	1-48" 1-12"
84 1/2"	1-24" 1-12"	11' 1 1/2"	2-48" 1-24"
90 1/2"	1-24" 1-18"	15' 10"	3-48" 1-24" 1-12"
98 1/4"	1-48"	20' 10"	5-48"

For other rise/run combinations see chart below

**** All dimensions are approximate. Both rise and run may vary with different combinations of pipe.**



NOTE: The vent must not exceed a total length of 68 feet. Any combination of rise and run may be used but must be constrained to the boundaries of this chart. A total of 4 90° elbows or combination of other elbows equalling 90° can be used without reducing horizontal run. For each additional 90° elbow, or an equal combination of elbows, reduce horizontal vent run by 2 feet. Ensure vent pipe is properly supported.

For reference only. Consult Manual before installation

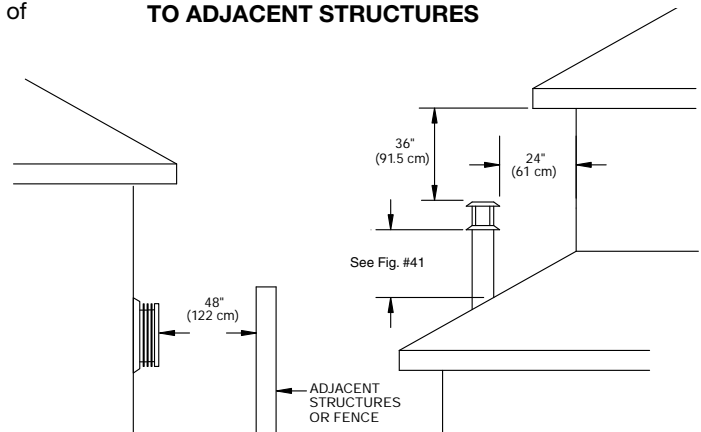
Vent Terminal Clearance

Minimum clearances to the vent terminal must be maintained as shown in figure #40 & 42. Measure clearances to the nearest edge of termination hood.

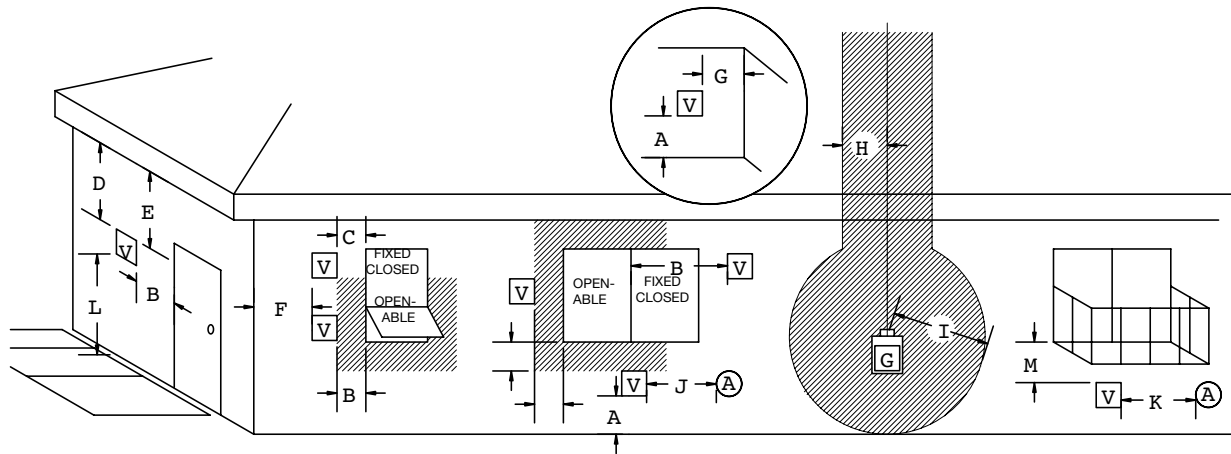
NOTE: Vent terminal must not be recessed
NOTE: LOCAL CODES OR REGULATIONS MAY REQUIRE DIFFERENT CLEARANCES.

Roof Pitch Table	(minimum)	
	ft	m
Flat to 6/12	1.00	0.30
Over 6/12 to 7/12	1.25	0.38
Over 7/12 to 8/12	1.50	0.46
Over 8/12 to 9/12	2.00	0.61
Over 9/12 to 10/12	2.50	0.76
Over 10/12 to 11/12	3.25	0.99
Over 11/12 to 12/12	4.00	1.22

VENT TERMINAL MINIMUM CLEARANCES TO ADJACENT STRUCTURES



Vent Terminal Minimum Clearances



V VENT TERMINAL

A AIR SUPPLY INLET

AREA WHERE TERMINAL IS NOT PERMITTED

G GAS METER

A=	*12 inches (30 cm) min.	Clearances above grade, veranda, porch, deck, or balcony
B=	*12 inches (30 cm) min.	Clearance to window or door that may be opened
C=	12 inches (30 cm) min.	Clearance to permanently closed window recommended to prevent condensation on window
D=	30 inches (76 cm) min. the	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from edge of the terminal
E=	30 inches (76 cm) min.	Clearance to unventilated soffit
F=	6 inches (15 cm) min.	Clearance to outside corner
G=	6 inches (15 cm) min.	Clearance to inside corner
H=	3 feet (90 cm) min.	*Not to be installed above a meter/regulator assembly within 3 feet (90 cm) horizontally from the center-line of the regulator
I=	*6 feet (1.8 m) min.	Clearance to service regulator vent outlet
J=	*12 inches (30 cm) min.	Clearance to non mechanical air supply inlet to building or the combustion air inlet to any other appliance
K=	*6 feet (1.8 m) min.	Clearance to a mechanical air supply inlet
L=	*7 feet (2.1 m) min.	^ Clearance above paved side-walk or a paved driveway located on public property
M=	**30 inches (76 cm) min	Clearance under veranda, porch, deck, or balcony

^ a vent shall not terminate directly above a side-walk or paved driveway which is located between two single family dwellings and serves both dwellings*

** only permitted if veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the floor*

* as specified in CGA B149 Installation Codes, Note: local Codes or Regulation may require different clearances

* for U.S.A. Installations follow the current National Fuel Gas Code, ANSI Z223.1

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Direct Vent Terminals

**Standard Venting
Roof Termination**



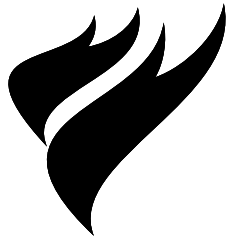
**Standard Venting
Wall Termination**



**Stainless Steel Standard Venting
Termination for Condo Installation**



Cad Drawings available at www.townandcountryfireplaces.com



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L U X U R Y F I R E P L A C E S

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