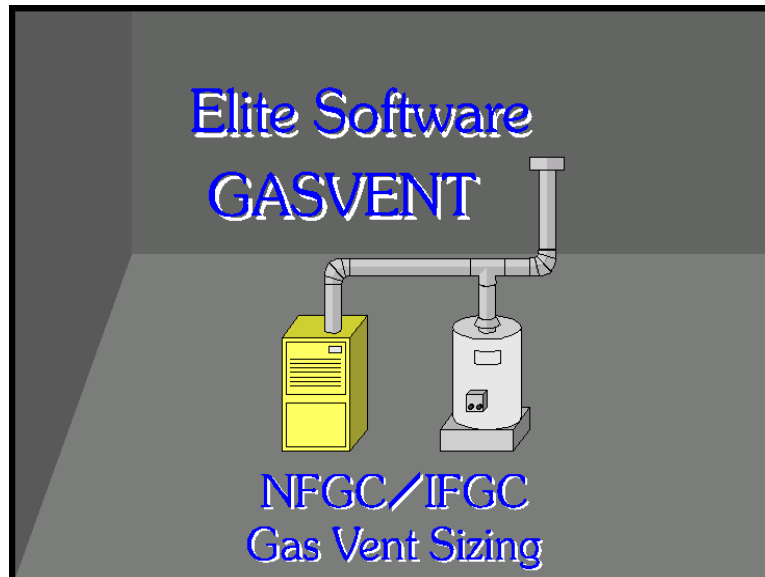


GAS VENTING ANALYSIS

for

Carolyn Nimmo
9219 Wyandotte
Kansas City, MO



Prepared By:

Don West Cooling & Heating

5445 Westgate St

Shawnee, KS 66216-1441

913-631-4526 913-631-4538 Fax

General Project Data

Client and Company Data

Client:	Carolyn Nimmo	Company:	Don West Cooling & Heating, Inc.
Address:	9219 Wyandotte	Representative:	Don West
City:	Kansas City, MO	Address:	5445 Westgate
Phone:		City:	Shawnee, KS 66216
Fax:		Phone:	913-631-4526
		Fax:	913-631-4538

Project Data

Project Name:	9219 Wyandotte
Comment:	Furnace and water heater lack sufficient combustion air. Water heater has the wrong size vent connector.
Designed By:	Don West
Altitude:	800 Feet above sea-level



Single Story / Multiple Appliance

Appliance and Connector Vent Data

Appliance No. & Description	Min Input (MBH)	Appliance Type	Rise (ft)
	Max Input (MBH)	Appliance Function	Lateral (ft)
	45° Elbows	Corrugated Connector	Outlet (in)
	90° Elbows	Vent Damper	Connector Type
1. Water heater	0.0	Natural	1
	30.0	Other	6.0
	0	No	3
2. Furnace	3	No	SW
	None	Natural	2
	120.0	Space Heating	1.0
	2	No	5
	0	No	SW

Common Vent Data

	Common Vent Height (ft)	Common Vent has Manifold Attached
	Common Vent Type	45° Elbows
	Common Vent Offset (ft)	90° Elbows
	15.0	No
Type B Double-Wall		0
	1.0	2

Manifold Data

No manifolds referenced by active appliances

Connector Vent Sizes

Appliance No. & Description	Minimum Diameter (in)	Maximum Diameter (in)
1. Water heater	4	5
2. Furnace	6	7

Common Vent Size

Minimum Vent Diameter (in)	Maximum Vent Diameter (in)
6	7

Notes

Calculations based on the National Fuel Gas Code and International Fuel Gas Code gas venting tables published by NFPA and ICC.

The vent diameters/chimney sizes and manifolds shown are based on the minimum connector diameter and minimum vent diameter. The NFGC recommends using the smallest diameter permissible to minimize heat loss.

Ventilation and Combustion Air Requirements

Appliance Input Rating:	150.0 MBH
Required Room Volume, Unconfined Space:	7500 cu. ft.
Source of Combustion Air for Confined Space:	Indoor Air Only
Required Air Opening Area for Confined Space:	150 sq. in.

Gas Vent Termination

Roof Pitch:	Flat to 6/12 in./in.
Minimum Termination Height:	1.0 ft.