

Daily Safety Test-Out Summary Sheet

Revised 5/16/06

Set Up

Heating appliance and water heater off?	9 Yes
Furnace filter clean or removed?	9 Yes
All exterior windows and doors closed?	9 Yes
Fireplace or wood stove dampers closed?	9 Yes 9 N/A
Clothes dryer and all other exhaust fans operating? (Do not operate whole house exhaust fans)	9 Yes 9 N/A
Interior doors closed? (Do not close doors to rooms that contain JUST an exhaust fan but no supply register)	9 Yes 9 N/A
Supply registers open? (Close supply registers in the CAZ)	9 Yes 9 N/A
Blower door used to simulate 300 CFM fireplace flow?	9 Yes 9 N/A

CAZ Test

Gauge set up to measure CAZ WRT outside?	9 Yes
Is there a door from the CAZ to the main body of the house?	9 Yes 9 No
Is there a forced air furnace?	9 Yes 9 No
CAZ door:	
	<u>Open</u> <u>Closed</u>
Furnace Fan Off:	_____ Pa _____ Pa
Furnace Fan On:	_____ Pa _____ Pa

Recreate conditions which caused the greatest negative pressure in the CAZ

Appliance Testing

Water Heater:	(Test the lowest Btu/hr input appliance first)	
Fire the water heater.		
Was initial flow established in the vent? (5 sec)	9 Yes 9 No	
Spillage? (Should disappear within 2 minutes)	9 Yes 9 No	
Draft pressure after 5 minutes:	_____ Pa or _____ In. W.C.	

Furnace/boiler/space heater:	(Test the lowest Btu/hr input appliance first)	
Fire the heating appliance.		
Was initial flow established in the vent? (5 sec)	9 Yes 9 No	
Spillage? (Should disappear within 2 minutes)	9 Yes 9 No	
Retest of smaller appliance: Spillage	9 Yes 9 No	Draft _____ Pa or _____ In. W.C.

Draft pressure after 5 minutes: _____ Pa or _____ In. W.C.

“Worst Case Depressurization” Draft Testing

Important

DO NOT BREATHE SPILLING FLUE PRODUCTS!

Be safe! If the appliance does not establish a flow in the vent almost immediately, abort the test and follow the “Response to Failure” procedures. Do not wait for 2 minutes to see if the spillage disappears if the flow in the vent is in the wrong direction and into the room.

Response to Failure:

- 1) Disable portions of “Worst Case” set-up until the furnace or water heater functions properly.
- 2) Inform the client of what to do/not do with the house until permanent corrective action can be taken.
- 3) Notify your Wx Auditor/Supervisor that action is needed to repair problems with the home.

Emergency condition

If “worst case” is completely undone and the appliances still do not function under “normal” operating conditions:

- **Do not operate the appliance until safety repairs are completed!**
- **Contact your supervisor.**

Specifications:

- A) Flow of flue products must be established to the exterior of the structure in the vent almost immediately.
- B) There should be no spillage after 2 minutes of operation.
- C) Operation of the furnace should not cause spillage or a reduction in draft pressure in any other appliance it shares combustion air with.
- C) Adequate draft pressure after 5 minutes is:

Outdoor Temperature	Minimum Draft Pressure	
	In. of Water Column	Pascals

Greater than 80 Degrees F.	.005" W.C.	1 Pa
Between 60 and 80 Degrees F.	.008" W.C.	2 Pa
Between 40 and 60 Degrees F.	.012" W.C.	3 Pa
Between 20 and 40 Degrees F.	.016" W.C.	4 Pa
Less than 20 Degrees F.	.02" W.C.	5 Pa