Worst Case CAZ Depressurization & Draft Test						
Client Name:				Job Number:		
Technicia	n Name:			Date of Test	:	
draft v Put d' Ensur Close Chec Chec Set u	Venting System by vent(s) to cool to rewelling in winter to re all interior doors any operable ver k furnace/air hand k and Clean dryer p DG 700 to meas	oom-temperature. VE me condition, IE: all ex s are open hts to the outdoors ler filterIt must be cle	NTING SYSTEM MUS  Atterior doors & wind  ean  ce to outdoors on ch	ST BE COLD BEFO	Off position, and allow ORE STARTING THIS TEST!	
So S	Orphaned natur Natural draft wa Natural draft wa Stand alone por Direct-vent seal this venting type mine Minimum Ac Outdoor temp is Ber Outdoor temp is Ber	ween 10°F and 90°F Use	ented with natural drented with a Category 1 applices. If all appliance and complete	raft furnace or bo ry 1 appliance pliances es are direct-ven	iler t select	
IT		Outdoor mperature	40) -2.7		Minimum Acceptable Draft	

Example:  $(33^{\circ}\text{F} \div 40 = .825)$  - 2.75 = -1.93 PA, or -2 PA if you round up. Rounding final number up is acceptable. Rounding down (making the pressure less negative) is not acceptable.

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CAZ	<b>Test</b>
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1.	Starting Pressure: Record current CAZ pressure (channel A)	PA
2.	Exhaust Fans: Turn on ALL exhaust fans ÁFÁO ÁsÁA ^. Record CAZ pressure (channel A)  If no exhaust fans exist mark n/a in box	PA
3.	<b>Dryers:</b> Turn on ALL dryers. Record CAZ pressure (channel <b>A</b> )	PA
4.	<b>Air Handler:</b> Turn on furnace/air handler fan. Record CAZ pressure (channel <b>A</b> )	PA
5.	<b>Fireplace:</b> If dwelling has a fireplace that uses inside air for combustion air, use blower door to simulate 300 CFM exhaust flow. Record CAZ pressure (channel <b>A</b> )	PA
6.	CAZ Doors: Close CAZ doors. Record CAZ pressure (channel A)	PA
7.	<b>Other Doors:</b> Close any other doors that influence CAZ pressure, record CAZ (channel <b>A</b> ) If no other doors in the home influence the CAZ pressure mark n/a in box	PA
8.	<b>Worst Case:</b> Find the condition that creates the most negative or "Worst Case" CAZ depressurization. Turn off any exhaust fans, dryers or air handlers that cause the CAZ pressure to move less negative or towards a positive reading. Place All Doors in the position that causes the CAZ	PA

## **Worst Case Draft Test**

- 9. Worst Case: Place CAZ in the most negative or "Worst Case" Condition
- **10. Starting Vent Pressure:** Measure vent pressure of cold vent (channel **B**). Record results below. Vent must be Cold (room-temperature) between testing of each appliance
- 11. Fire Appliance(s): Starting with the smallest BTUH appliance, fire the appliance and start a 60 second timer.
- 12. Vent Pressure After 60 Seconds: Measure vent pressure after 60 seconds (channel B). Record results below.
- 13. Acceptable Draft: Copy the Minimum Acceptable Draft Pressure calculated on page 1 to the field below. Compare the draft pressure after 60 seconds to the Minimum Acceptable Draft to determine if draft is acceptable. Record results below.

Pass = Draft is equal to or more negative than the minimum acceptable draft Fail = Draft is less negative than the minimum acceptable draft

14. Test ALL Appliances: Repeat steps 9 thru 14 to test each natural draft appliance in the CAZ. Record results below.

	N	linumum Acceptable Draft: (copy from page 1)		PA	
	Appliance Description	Starting Vent Pressure (Cold)	Pressure after 60 Seconds		Acceptable Draft
Appliance 1		PA		PA	Pass Fail
Appliance 2		PA		PA	Pass Fail
Appliance 3		PA		PA	Pass Fail
Appliance 4		PA		PA	Pass Fail

If every appliance passed with an acceptable draft, stop test here and complete conclusion on last page. If any appliance fails a draft test under "Worst Case" conditions MUST also be tested under natural/normal conditions, to determine extent of problem.

## **Natural/Normal Draft Test**

- 1. Natural/Normal Conditions: Place CAZ into natural/normal conditions
- 2. Starting Vent Pressure: Measure vent pressure of cold vent (channel B). Record results below.

  Vent must be Cold (room-temperature) between testing of each appliance
- 3. Fire Appliance(s): Starting with the smallest BTUH appliance, fire the appliance and start a 60 second timer.
- 4. Vent Pressure After 60 Seconds: Measure vent pressure after 60 seconds (channel B). Record results below.
- Acceptable Draft: Copy the Minimum Acceptable Draft Pressure calculated on page 1 to the field below. Compare
  the draft pressure after 60 seconds to the Minimum Acceptable Draft to determine if draft is acceptable. Record
  results below.

Pass = Draft is equal to or more negative than the minimum acceptable draft Fail = Draft is less negative than the minimum acceptable draft

6. Test ALL Appliances: Repeat steps 1 thru 5 to test each natural draft appliance that failed the Worst Case Draft Test. Record results below.

Any appliance that fails a draft test under natural/normal conditions MUST be taken out of service until the problem can be corrected. If an appliance is left in service after failing the Worst Case Draft, but passing the natural/draft test, technician MUST explain their reasoning and describe plan to remedy the problem in the conclusion section below.

	Minumum Acceptable Draft: (copy from page 1)	PA		
Appliance Description	Starting Vent Pressure (Cold)	Pressure after 60 Seconds	Acceptable Draft	
Appliance 1	PA	PA	Pass Fail	
Appliance 2	PA	PA	Pass Fail	
Appliance 3	PA	PA	Pass Fail	
ConclusionSelect appropriate results to the	ne Worst Case Draft test:			
All combustion appliances are	direct-vented, no further testing	is required		
All combustion appliances pass	sed the worst-case draft test, ar	nd are venting safe	ly	
One or more combustion applia	ances failed the worst case draf	t test. See correcti	ive action plan below:	
Corrective Action Plan:				
The	has been	Disabled CLe	eft in Service, for the	
name of appliance(s		) Disabled Cle	ent in Service, for the	
following reasons:				
Weatherization Agency will:				
The Client will:				
agree to follow any instructions	ormed of the results of this test, and listed in the corrective action plan.	<b>X</b>		
Note: Client Signoff	is required when one or more appliance	es fail the worst case dr	aft test	
Technician Signature:		Date:		

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