Prescriptive Method -

CF-4R-ALT

Project Tit	tle:		Date:	© 2005 CalCERTS		
				Enforcement Agency Use Only		
Project Address:			Climate Zone:	Building Permit #		
Installing Contractor:			Telephone:	Plan Check Date		
CalCERTS Rater Name:			Telephone:	Field Check Date		
Rater's Co	ompany Nar	ne:		CalCERTS Rater ID #:		
Use Do not	one form fo t release CF	r each system being altered. This -4Rs for a sample group until all ve Copies to: Homeowner, Ir	is system # of erification and testing in	the group is completed and passed.		
Hers Rate	er Compliand	ce Statement:				
complies v	with the diag	oviding diagnostic testing and field nostic testing compliance requirem and procedures as required by the	ients as checked \checkmark on t	his form. I also certify that I have		
Sampling	□ First test	□ Re-test (attach previous CF-4R-ALT)				
	This house is NOT part of a sample group.					
		This house passes all necessary tests. (R	ater to sign HERS rater comp	bliance statement above).		
	This house did NOT pass the necessary tests. Retest required. See notes below and next page.					
This house is part of a sample group Other houses in the group include (max 6):						
		Home owner's last name/Street address/C	ity			
	1)					
	2)					
	3)					
	4)					
	5)					
	6)					
		This house passes all necessary tests. (R				
		All homes in sample group will be issued (
		This house did NOT pass the necessary te		the above homes for second test).		
		□ This is the second house to rai	3	,		
Notes:			3			

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Certificate of Field Verification and Diagnostic Testing

Prescriptive Method -HVAC-only Alteration



		Siny Alteration					
Project ⁻	Title:	Date:	© 2005 CalCERTS				
	TANT: This CF-4R-ALT form is only for use w ne form for each system being altered. This is	system # of	systems altered in this house.				
<u> </u>	Copies to: Homeowner, Ins						
Rater	r to verify only results of test that passed on CI						
Stop 1 - P	Results must be uploaded to CalCERTS Reg Pre-test: Leakage of the system before any alterations. (0						
1	Pre-test leakage : CFM25	From Line 1 of CF-6R -ALT					
2		x 0.4 =	target for 60% reduction				
Step 2 - D	Determine Total System Fan Flow: Use any of these meth						
3	Cooling: Condenser tonnage: tons x 400	CFM/ton =	CFM				
4	leating: Furnace output: Btuh x .0217 CFM/Btuh =		CFM				
5	Measured: (refer to ACM Manual Appendix RE, section	CFM					
6	Measurement method: flow hood		-				
7	Total system fan flow value to be used:		may use highest of lines 3, 4, or 5.				
8a - D	Determine Targets: (Only if lines 26 or 28 are checked on Total System fan flow (line 7 from above) x 0.06 =		leakage target				
8b	Total System fan flow (line 7 from above) x 0.00 =		% leakage target				
9	Total System fan flow (line 7 from above) x 0.10 =		% leakage to outside target				
	Iterations: Must be consistent with the CF-1R form.	0111120 = 10					
10 🗆	Verify that all new connections are sealed with approved	d materials.					
11 🗆	No newly constructed portions of the system can have u	inducted building cavities to	convey system air.				
12	Duct insulation to be checked by local code enforcement	t agency.					
	otal Leakage (Only if lines 26 or 27 are checked on CF-6	R-ALT form)					
13		ACM appendix RC, Sections					
	If line 13 is less than line 8a, house passes the 6% lo						
14b □ 15 □	If line 13 is less than line 8b, house passes the 15%						
	If line 13 is less than line 2, house passes the 60% rules house does not yet pass the necessary tests. Rete						
17 🗆							
Step 6 - L	eakage to Outside: (Only if line 28 is checked on CF-6R						
18	leakage = CFM25 refer to 2005 ACM appendix RC, Sections RC 4.3.3						
	If line 18 is less than line 9, house passes the 10% leakage to outside requirement.						
20 🗆	This house does not yet pass the necessary tests. Retest required. Attach new CF-4R-ALT. See notes, below.						
· _`	(If line 29 is checked on the CF-6R-ALT form.)						
21 🗆 22 🗆							
~ -	Install required label per ACM Appendix RC, Sections R House can NOT be part of a sample.	0.4.3.3.					
	This house does not yet pass the necessary tests. Rete	st required. Attach new CF-	4R-ALT. See notes, below.				
	moke Test and Visual Verification (Only if lines 27 or 29						
	Perform smoke test per ACM Appendix RC, Sections RC						
25 🗆	Perform Visual Inspection and verify repair of excessive	, , ,	••				
	Verify that register boots are sealed to surrounding mate	erial per ACM Appendix RC,	Sections RC 4.3.7.				
	TXV(RCA)						
	If TXV is required by the CF-1R form (line 23 on CF-1R-ALT form), it has been installed and access has been provided for visual verification by HERS rater.						
2/0 []	If "Refrigerant Charge and Airlfow" (see ACM pages 3 of 8 and 4 of 8 from the CEC's CF-4		te in lieu of 1XV, attach completed				
Step 10	- Upgraded Equipment Efficiencies						
	If upgrade equipment efficiencies are required	d (line 24 of CF-1R-AL	() Hers rater to verify necessary				
	make and model number of equipment. Instato verify efficiencies.						
Notes: r	efer to line numbers above						

Version 03-10-06 This form can only be used on projects being verified by CalCERTS certified raters.