CALIFORNIA ENERGY COMMISSION

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

### **CERTIFICATE OF VERIFICATION**

**Note:** This table completed by HERS Registry.

Project Name:	CF1R-PRF Calculation Date/Time:
CF1R-PRF Calculation Description:	CF1R-PRF Input File Name:

### A. General Information

01	Project Name		6.	and the	
02	Calculation Description		2	CO LON	
03	Project Location		_		
04	CA City		05	Standard Version	
06	Zip Code	A 11-	07	Software Version	
08	Climate Zone	0.	09	Front Orientation (deg/Cardinal)	
10	Total Building Volume (ft <sup>3</sup> )	0_1	11	Number of Dwelling Units	
12	Project Scope	10° 1	13	Number of Bedrooms	
14	New Conditioned Floor Area(ft <sup>2</sup> )	- KI	15	Number of Stories	
16	Existing Conditioned Floor Area (ft <sup>2</sup> )	3 . V	17	Fenestration Average U-factor	
18	Total Conditioned Floor Area (ft <sup>2</sup> )	N . A T	19	Glazing Percentage (%)	





# CEC-CF3R-EXC-20-H

# SAMPLE FORM - NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

B1. E	Building Envelope Leakage	
01	Date of Diagnostic Test for this Dwelling	
02	Test Procedure Used	
03	Manometer Make	0
04	Manometer Model	
05	Manometer Serial Number	
06	Manometer Calibration Date	
07	Manometer Calibration Status	
08	Test Methodology	
09	Target Enclosure Air Leakage from CF1R (ACH50)	
09	Tested Pre-Retrofit CFM50	
10	Tested Pre-Retrofit ACH50	
11	Verification	AV OV
12	Verification Status	Pass - all applicable requirements are met; or
		Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below
13	Correction Notes:	

#### **B.** Opaque Surfaces

3. O	paque Surfaces			) X	N	:0-		
	01	02	03	04	05	06	07	08
	Name	Zone	Existing Conditions	Surface Type	Azimuth	Orientation	Total Cavity R-value	Verification
			A	0	-01-			
09       Verification Status:       Pass - all applicable requirements are met; or         5       Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below								
10	Correction Notes:	XU	10	- 14-				

# C. Roofs



# SAMPLE FORM - NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

	01	02	03	04	05	06	07	08			
Name		Construction	Roof Rise	Roof Reflectance	tance Roof Emittance Radia		Cool Roof	Verification			
						110	11	1. The second			
						01	10				
00	Verification Sta	tuc	Pass - all applicable requirements are met; or								
09	verification status.		Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below								
10	Correction Not	es:					0				
					X C	r0					
					N AY	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
D. W	/indows				20	~ C.`					
	01	02	03	04	05	06	07	08			

### **D.** Windows

	01	02	03	04	05	06	07	08
	Name	Azimuth Multiplier	Multiplier	plier Area (ft <sup>2</sup> )	U-factor	SHGC	Exterior Shading	Verification
					V (	<u>)</u>		
				<u></u>	0.	0 1		
09	Verification Stat	tus:	<ul> <li>Pass - all applicable requirements are met; or</li> <li>Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below</li> </ul>					
10	Correction Note	es:		11	15.	. 04		
E. Doors			~ zic	<i>.</i>	<u>.</u>	110.		

#### E. Doors

01		02	03	04	05			
	Name	Parent Surface	Area (ft <sup>2</sup> )	U-factor	Verification			
		11. 11.	C X					
	6.6		07:					
06	Verification Status:	<ul> <li>Pass - all applicable requirements are met; or</li> <li>Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below</li> </ul>						
07	Correction Notes:		XV					

# F. Overhangs & Fins



# CEC-CF3R-EXC-20-H

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

02	03	04	05	06	07	08	09	10	11	12	13	14	15
		Overhang				Left	Fin		1	Righ	t Fin 💊 🐭	10	
Overha	ng		Right				Dist	Bottom		6	Dist	Botto	
ow Dept	n Dist. Up	Left Ext.	Ext.	Flap Ht	Depth	Тор Uр	(Left)	Up	Depth	Тор Uр	(Right)	m Up	Verificatio
								1		- 040 <sup>- 1</sup>	4		
								5		A	-		
Verification S	atus		Pass -	all applicable	requirement	s are met; or		$\Delta$		20			
vermeation 5			Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below										
Correction Notes:													
	Overha ow Depth Verification St	Overhang ow Depth Dist. Up Verification Status:	Overhang     Overhang       ow     Depth     Dist. Up       Left Ext.       Verification Status:	Overhang     Overhang       ow     Depth     Dist. Up     Left Ext.     Ext.       Verification Status:     Pass -	Overhang       ow     Overhang       Depth     Dist. Up       Left Ext.     Ext.       Flap Ht       Pass - all applicable       Fail - one or more a	Overhang         Overhang       Right         ow       Depth       Dist. Up       Left Ext.       Ext.       Flap Ht       Depth         ow       Depth       Dist. Up       Left Ext.       Ext.       Flap Ht       Depth         Verification Status:       Pass - all applicable requirement	Overhang       Left         Overhang       Right         Overhang       Left Ext.         Pass - all applicable requirements are met; or         Fail - one or more applicable requirements are	Overhang       Left Fin         Overhang       Right       Dist         ow       Depth       Dist. Up       Left Ext.       Ext.       Flap Ht       Depth       Top Up       (Left)         Verification Status:       Pass - all applicable requirements are met; or       Pail - one or more applicable requirements are not met. En	Overhang       Left Fin         Overhang       Right       Dist. Up         Depth       Dist. Up       Left Ext.         Flap Ht       Depth       Top Up         Verification Status:       Pass - all applicable requirements are met; or	Overhang       Left Fin         Overhang       Right         Owerhang       Dist. Up         Left Ext.       Ext.         Flap Ht       Depth         Dist. Up       Left Ext.         Ext.       Flap Ht         Depth       Dist. Up         Depth       Depth         Depth       Dist. Up         Depth       Depth         Depth       Depth         Depth       Depth         Depth       Dist. Up         Depth       Depth         Depth	Overhang ow       Overhang Depth       Right Left Ext.       Right Ext.       Flap Ht       Depth       Top Up       Dist (Left)       Bottom Up       Depth       Top Up         Verification Status:       Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for failure in corrections not	Overhang ow       Overhang Depth       Right Left Ext.       Right Ext.       Right Flap Ht       Depth       Dist Top Up       Bottom (Left)       Dist Up       Dist Depth       Dist Top Up       Dist (Left)       Dist Up       Dist Depth       Dist Top Up       Dist (Right)         Verification Status:       Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below	Overhang ow       Overhang Depth       Right Dist. Up       Right Left Ext.       Right Ext.       Flap Ht       Depth       Dist Top Up       Bottom Up       Dist Up       Bottom Depth       Dist Top Up       Dist (Right)       Botto m Up         Verification Status:       Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below

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# CEC-CF3R-EXC-20-H

# SAMPLE FORM - NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

#### G. Water Heaters

01	02	03	04	05	06	07	08	09
Name	Heater Element Type	Tank Type	Tank Volume (gal)	Energy Factor or Efficiency	Input Rating	Tank Exterior Insulation R-value	Standby Loss (Fraction)	Verification
						~U	b.	
10       Verification Status: <ul> <li>Pass - all applicable requirements are met; or</li> <li>Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below</li> </ul>								
Correction Notes:								
	Name Verification St	Name Heater Element Type Verification Status:	Name     Heater Element Type     Tank Type       Verification Status:        □       Pass - □       Fail - o	Name       Heater Element Type       Tank Type       Tank Volume (gal)         Verification Status: <ul> <li>Pass - all applicable requirer</li> <li>Fail - one or more applicable</li> </ul>	Name       Heater Element Type       Tank Type       Tank Volume (gal)       Energy Factor or Efficiency         Verification Status:       Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not	Name     Heater Element Type     Tank Type     Tank Volume (gal)     Energy Factor or Efficiency     Input Rating       Verification Status:     Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for	Name       Heater Element Type       Tank Type       Tank Volume (gal)       Energy Factor or Efficiency       Input Rating       Tank Exterior Insulation R-value         Verification Status:       Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for failure in corrections	Name       Heater Element Type       Tank Type       Tank Volume (gal)       Energy Factor or Efficiency       Input Rating       Tank Exterior Insulation R-value       Standby Loss (Fraction)         Verification Status:       Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below

### H. Water Heating

01		02	03	04	05			
	Name	Distribution Type	Number of Heaters	Solar Savings Fraction	Verification			
		1		10.				
			Also A	. 0				
06	Verification Status:	<ul> <li>Pass - all applicable requirements are met; or</li> <li>Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below</li> </ul>						
07	Correction Notes:	~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				

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### I. HVAC – Heating Systems

	01	02 03	04
	Name	Type Efficiency	Verification
	10.		
	4 15		
05	Verification Status:	Pass - all applicable requirements are met; or Fail - one or more applicable requirements are not met. Enter reason for failure	e in corrections notes field below
06	Correction Notes:		



# CEC-CF3R-EXC-20-H

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

#### J. HVAC – Cooling Systems 02 03 01 04 05 EER/EER2/CEER SEER/SEER2 Verification Name System Type Pass - all applicable requirements are met; or 06 Verification Status: Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below 07 **Correction Notes:**

#### **K. HVAC Distribution**

01		02	03	04	05				
	Name	Duct R-Value	Supply Duct Location	Return Duct Location	Verification				
			0.	5 5					
06	Verification Status:		<ul> <li>Pass - all applicable requirements are met; or</li> <li>Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below</li> </ul>						
07	Correction Notes:		S. S.	10					

### L. Indoor Air Quality (IAQ) Fans

	01	02	03	04	05
	Name	IAQ Fan Type	Airflow (CFM)	Fan Efficacy (W/CFM)	Verification
	6	$\alpha$	07		
06	Verification Status		requirements are met; or pplicable requirements are not met. Ent	er reason for failure in corrections note	es field below
07	Correction Notes:	10-	<u> </u>		

22° . 11' .

#### **M.** Determination of HERS Verification Compliance

All applicable sections of this document shall indicate compliance with the specified verification protocol requirements in order for this Certificate of Verification as a whole to be determined to be in compliance.

**Registration Number:** 

Registration Date/Time:

**HERS Provider:** 

CA Building Energy Efficiency Standards - 2022 Residential Compliance

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SAMPLE FORM - NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

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CALIFORNIA ENERGY COMMISSION

# CEC-CF3R-EXC-20-H

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

### DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

,	
Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

#### **RESPONSIBLE PERSON'S DECLARATION STATEMENT**

- 2. I certify the following under penalty of perjury, under the laws of the State of California:
  - 1. The information provided on this Certificate of Verification is true and correct.
  - 2. I am the certified HERS Rater who performed the verification identified and reported on this Certificate of Verification (responsible rater).
  - 3. The installed features, materials, components, manufactured devices, or system performance diagnostic results that require HERS verification identified on this Certificate of Verification comply with the applicable requirements in Reference Appendices RA2, RA3, and the requirements specified on the Certificate of Compliance for the building approved by the enforcement agency.
  - 4. I understand that a registered copy of this Certificate of Verification shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to ensure this requirement is accomplished.
  - 5. I understand that a registered copy of this Certificate of Verification is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to ensure this requirement is accomplished.

### BUILDER OR INSTALLER INFORMATION AS SHOWN ON THE CERTIFICATE OF INSTALLATION

Company Name (Installing Subcontractor, General Contractor, or Builder/Owner):	
Responsible Builder or Installer Name:	CSLB License:

### HERS PROVIDER DATA REGISTRY INFORMATION

Sample Group Number (if applicable):	Dwelling Test Status in Sample Group (if applicable):

### HERS RATER INFORMATION



# CEC-CF3R-EXC-20-H

# SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

HERS Rater Company Name:	1000
Responsible Rater Name:	Responsible Rater Signature:
Responsible Rater Certification Number w/ this HERS Provider:	Date Signed:

e d

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-330

#### CF3R-EXC-20-H User Instructions

#### A. General Information

Rater should verify this information to the best of their ability. Any questions or deviations should be indicated in the Verification Status row.

#### **B1. Building Envelope Leakage**

Existing (pre-retrofit) building envelope leakage should be verified in accordance with the procedures outlined in the Reference Appendices, Residential Appendix, RA3.8.

#### **B. Opaque Surfaces**

Existing roof type, R-value above deck, and R-value below deck should all be verified.

#### C. Roofs

Existing dwelling unit, frame type, area, U-factor, and R-values should all be verified.

#### D. Windows

Existing dwelling unit, surface type, frame type, area, u-factor, and R-values should all be verified

#### E. Doors

Existing wall type, frame type, area, U-factor, and R-values should all be verified.

#### F. Overhangs & Fins

All columns of this section should be verified.

#### G. Water Heaters

All columns of this section should be verified.

#### H. Water Heating

All columns of this section should be verified.

#### I. HVAC – Heating Systems All columns of this section should be verified.

J. HVAC – Cooling Systems All columns of this section should be verified.

#### **K. HVAC Distribution** All columns of this section should be verified

L. Indoor Air Quality (IAQ) Fans All columns of this section should be verified.

#### **M. Determination of HERS Verification Compliance** This field is filled out automatically based on all verification protocol requirements in this document showing compliance.

A. Gene	eral Information			16	28.1
01	Project Name:	<pull cf1r="" from=""></pull>		21	11-
02	Calculation Description:	<pull cf1r="" from=""></pull>		0.	20
03	Project Location:	<pull cf1r="" from=""></pull>			
04	CA City:	<pull cf1r="" from=""></pull>	05	Standards Version:	<pull cf1r="" from=""></pull>
06	Zip Code:	<pull cf1r="" from=""></pull>	07	Software Version:	<pull cf1r="" from=""></pull>
08	Climate Zone:	<pull cf1r="" from=""></pull>	09	Front Orientation (deg/cardinal):	<pull cf1r="" from=""></pull>
10	Total Building Volume (ft <sup>3</sup> ):	<pull cf1r="" from=""></pull>	11	Number of Dwelling Units:	<pull cf1r="" from=""></pull>
12	Project Scope:	<pull cf1r="" from=""></pull>	13	Number of Bedrooms:	<pull cf1r="" from=""></pull>
14	New Conditioned Floor Area(ft <sup>2</sup> ):	<pull cf1r="" from=""></pull>	15	Number of Stories:	<pull cf1r="" from=""></pull>
16	Existing Conditioned Floor Area (ft <sup>2</sup> ):	<pull cf1r="" from=""></pull>	17	Fenestration Average U-factor:	<pull cf1r="" from=""></pull>
18	Total Conditioned Floor Area (ft <sup>2</sup> ):	<pull cf1r="" from=""></pull>	19	Glazing Percentage (%):	<pull cf1r="" from=""></pull>

B1. I	Building Envelope Leakage	
< <if< th=""><th>existing data does not appear in CF1R, then display</th><th>the "Section Does Not Apply" message&gt;&gt;</th></if<>	existing data does not appear in CF1R, then display	the "Section Does Not Apply" message>>
01	Date of Diagnostic Test for this Dwelling	< <ul><li>&lt;<ul><li>user input: date&gt;&gt;</li></ul></li></ul>
02	Test Procedure Used	< <ul> <li><euser from="" li="" list:<="" select=""> </euser></li></ul>
		*Single-Point Test with Manual Meter; or
	(0)	*Single-Point Test with Automatic Meter>>
03	Manometer Make	< <ul><li>&lt;<ul><li>user input: text&gt;&gt;</li></ul></li></ul>
04	Manometer Model	< <ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<ul><li>&lt;<u< td=""></u<></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul>
05	Manometer Serial Number	< <ul><li>&lt;<ul><li>user input: text&gt;&gt;</li></ul></li></ul>
06	Manometer Calibration Date	< <user date="" input:="">&gt;</user>
07	Manometer Calibration Status	<calculated 12="" b1-06="" b1-<="" calibration="" date="" diagnostic="" field:="" if="" in="" is="" manometer="" months="" of="" td="" test="" the="" within=""></calculated>
	20. 23	01, then display message: Manometer Calibration is valid"; else display message: "WARNING - Manometer
	Y-	Calibration is expired. A manometer with current calibration is required in order to comply with this Enclosure
		Air Leakage Diagnostic test">>
08	Test Methodology	< <ul><li>&lt;<ul><li>user select from list:</li></ul></li></ul>
	10	*Pressurization; or
	- ( ) · · ·	*Depressurization>>
09	Target Enclosure Air Leakage from CF1R (ACH50)	< <pre>&lt;<pre>classical control control</pre></pre>

#### CERTIFICATE OF VERIFICATION – DATA FIELD DEFINITIONS AND CALCULATIONS

Existing Conditions for Residential Alterations

CF3R-EXC-20-H

(Page 3 of 6)

10	Tested Pre-Retrofit CFM50	< <ul> <li><user input:="" number="">&gt;</user></li> </ul>
11	Tested Pre-Retrofit ACH50	< <ul><li><user input:="" number="">&gt;</user></li></ul>
12	Verification	< <ul><li>&lt;<ul><li>user input: Pass or Fail&gt;&gt;</li></ul></li></ul>
13	Verification Status	Pass - all applicable requirements are met; or
		Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below
14	Correction Notes:	

B. O	paque Surfaces					$\sim$	A	
< <if< th=""><th>existing data doe</th><th>es not appear in CF1R,</th><th>then display the "Section</th><th>on Does Not Apply" me</th><th>essage&gt;&gt;</th><th>-</th><th>C.</th><th></th></if<>	existing data doe	es not appear in CF1R,	then display the "Section	on Does Not Apply" me	essage>>	-	C.	
	01	02	03	04	05	06	07	08
	Name	Zone	Existing Conditions	Surface Type	Azimuth	Orientation	Total Cavity R-value	Verification
<р	ull from CF1R>	<pull cf1r="" from=""></pull>	User input: Pass or Fail					
<р	ull from CF1R>	<pull cf1r="" from=""></pull>	User input: Pass or Fail					
09       Verification Status:       Pass – all existing conditions have been verified; or         Fail – one or more of the existing conditions not present. Enter reason for failur						e in correction notes fiel	d below	
10	Correction Note	es:		~ ~	11	se		

<if data="" do<="" existing="" th=""><th>es not appear in CF1R, th</th><th>en display the "Section</th><th>n Does Not Apply" mes</th><th>sage&gt;&gt;</th><th>-</th><th></th><th></th></if>	es not appear in CF1R, th	en display the "Section	n Does Not Apply" mes	sage>>	-		
01	02	03	04	05	06	07	08
Name	Construction	Roof Rise	Roof Reflectance	Roof Emittance	Radiant Barrier	Cool Roof	Verification
<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
9 Verification Sta	ntus:	the second se	tisting conditions have l r more of the existing c		Enter reason for failure	e in correction notes fie	ld below

D. Windows	10									
< <if "section="" appear="" apply"="" cf1r,="" data="" display="" does="" existing="" in="" message="" not="" the="" then="">&gt;</if>										
01	02	03	04	05	06	07	08			
Name	Azimuth	Multiplier	Area (ft <sup>2</sup> )	U-factor	SHGC	Exterior Shading	Verification			
<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull from<="" td=""><td><pull cf1r="" from=""></pull></td><td>User input:</td></pull>	<pull cf1r="" from=""></pull>	User input:			
0					CF1R>		Pass or Fail			
0										

CERTIFICATE OF VERIFICATION – DATA FIELD DEFINITIONS AND CALCULATIONS		CF3R-EXC-20-H
Existing Conditions for Residential Alterations	2	(Page 4 of 6)

<p< th=""><th>oull from CF1R&gt;</th><th><pull cf1r="" from=""></pull></th><th><pull cf1r="" from=""></pull></th><th><pull cf1r="" from=""></pull></th><th><pull cf1r="" from=""></pull></th><th><pull from<="" th=""><th><pull cf1r="" from=""></pull></th><th>User input:</th></pull></th></p<>	oull from CF1R>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull from<="" th=""><th><pull cf1r="" from=""></pull></th><th>User input:</th></pull>	<pull cf1r="" from=""></pull>	User input:
						CF1R>	N.	Pass or Fail
00	Varification State	16:	Pass – all ex	isting conditions have	been verified; or	. 1	SV	2
09	09 Verification Status:		🗆 🛛 Fail – one o	r more of the existing	conditions not present	. Enter reason for fa	ilure in correction note	s field below
10	Correction Notes	:				-11		w
							10.	

E. D	oors			(× \	~		
< <if< td=""><td>existing data does not appea</td><td>ar in CF1R, then display the "Sect</td><td>ion Does Not Apply" message&gt;&gt;</td><td><math>\sim</math> <math>\sim</math></td><td></td></if<>	existing data does not appea	ar in CF1R, then display the "Sect	ion Does Not Apply" message>>	$\sim$ $\sim$			
	01	02	03	04	05		
	Name	Parent Surface	Area (ft <sup>2</sup> )	U-factor	Verification		
	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail		
	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail		
06 Verification Status:		Pass – all existin	g conditions have been verified; or				
06	verification status.	🗆 🛛 Fail – one or mo	Fail – one or more of the existing conditions not present. Enter reason for failure in correction notes field below				
07	Correction Notes:						

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F. Overha	angs & Fins					0	6	14	6	01				
< <if exist<="" td=""><td>ing data does ı</td><td>not appear i</td><td>in CF1R, then</td><td>display the</td><td>"Section Do</td><td>es Not Apply</td><td>/" message&gt;</td><td>»&gt;</td><td><math>\sim A</math></td><td>V</td><td></td><td></td><td></td><td></td></if>	ing data does ı	not appear i	in CF1R, then	display the	"Section Do	es Not Apply	/" message>	»>	$\sim A$	V				
01	02	03	04	05 🗼	06	07	08	09	10	11	12	13	14	15
			Overhang				Left	Fin	11-	Right Fin				
	Overhang		Left	Right	200	1	1	Dist	Bottom			Dist	Bottom	
Window	Depth	Dist. Up	Extended	Extended	Flap Ht	Depth	Тор Uр	(Left)	Up	Depth	Тор Uр	(Right)	Up	Verification
<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<>	<pull< td=""><td>User input:</td></pull<>	User input:
from	from	from	from	from	from	from	from	from	from	from	from	from	from	Pass or Fail
CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	Fass of Fall
<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<></td></pull<>	<pull< td=""><td><pull< td=""><td>User input:</td></pull<></td></pull<>	<pull< td=""><td>User input:</td></pull<>	User input:
from	from	from	from	from	from	from	from	from	from	from	from	from	from	Pass or Fail
CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	CF1R>	Fass of Fall
		11.	· · · · ·	Pass	– all existin	ng conditions	s have been	verified; or						
16 Verification Status:		- N C	🗌 🗌 Fail -	– one or mo	ore of the ex	isting condit	ions not pre	sent. Enter	reason for f	ailure in co	rrection no	tes field be	low	
17 Cor	rection Notes:		1012											
	10		1											

6. Water Heaters								
< <if "section="" appear="" apply"="" cf1r,="" data="" display="" does="" existing="" in="" message="" not="" the="" then="">&gt;</if>								
01	02	03	04	05	06	07	08	09
	Heater Element		Tank Volume	Energy Factor		Tank Exterior	Standby Loss	
Name	Туре	Tank Type	(gal)	or Efficiency	Input Rating	Insulation	(Fraction)	Verification

#### CERTIFICATE OF VERIFICATION – DATA FIELD DEFINITIONS AND CALCULATIONS

Existing Conditions for Residential Alterations

# CF3R-EXC-20-H

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									· 0'	
								R-value	2/2	~
<pu< td=""><td>ll from CF1R&gt;</td><td><pull from<br="">CF1R&gt;</pull></td><td></td><td>ll from <sup>-</sup>1R&gt;</td><td><pull from<br="">CF1R&gt;</pull></td><td><pull from<br="">CF1R&gt;</pull></td><td><pull from<br="">CF1R&gt;</pull></td><td><pull cf1r="" from=""></pull></td><td><pull from<br="">CF1R, allow N/A&gt;</pull></td><td>User input: Pass or Fail</td></pu<>	ll from CF1R>	<pull from<br="">CF1R&gt;</pull>		ll from <sup>-</sup> 1R>	<pull from<br="">CF1R&gt;</pull>	<pull from<br="">CF1R&gt;</pull>	<pull from<br="">CF1R&gt;</pull>	<pull cf1r="" from=""></pull>	<pull from<br="">CF1R, allow N/A&gt;</pull>	User input: Pass or Fail
<pu< td=""><td>ll from CF1R&gt;</td><td><pull from<br="">CF1R&gt;</pull></td><td></td><td>ll from <sup>-</sup>1R&gt;</td><td><pull from<br="">CF1R&gt;</pull></td><td><pull from<br="">CF1R&gt;</pull></td><td><pull from<br="">CF1R&gt;</pull></td><td><pull cf1r="" from=""></pull></td><td><pull from<br="">CF1R, allow N/A&gt;</pull></td><td>User input: Pass or Fail</td></pu<>	ll from CF1R>	<pull from<br="">CF1R&gt;</pull>		ll from <sup>-</sup> 1R>	<pull from<br="">CF1R&gt;</pull>	<pull from<br="">CF1R&gt;</pull>	<pull from<br="">CF1R&gt;</pull>	<pull cf1r="" from=""></pull>	<pull from<br="">CF1R, allow N/A&gt;</pull>	User input: Pass or Fail
10	IU I Verification Status:			Pass – all existing conditions have been verified; or Fail – one or more of the existing conditions not present. Enter reason for failure in correction notes field below					otes field below	
11	Correction No	otes:					X O	0		

H. V	Vater Heating		~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
< <if< th=""><th>existing data does not appear</th><th>in CF1R, then display the "Section D</th><th>oes Not Apply" message&gt;&gt;</th><th></th><th></th></if<>	existing data does not appear	in CF1R, then display the "Section D	oes Not Apply" message>>		
	01	02	03	04	05
	Name	Distribution Type	Number of Heaters	Solar Savings Fraction	Verification
	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
00	Marifiantian Chatan	Pass – all exist	ing conditions have been verified; c	or 💦	
06	Verification Status:	Fail – one or m	nore of the existing conditions not p	present. Enter reason for failure in co	prrection notes field below
07	Correction Notes:		1	10.	
	•	81-		S. 1 .	

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< <if appear="" cf<="" data="" does="" existing="" in="" not="" th=""><th>1R, then display the "Section Does Not Apply" m</th><th>essage&gt;&gt;</th><th></th></if>	1R, then display the "Section Does Not Apply" m	essage>>	
01	02	03	04
Name	Туре	Efficiency	Verification
<pull cf1r="" from=""></pull>	<pre><pull cf1r="" from=""></pull></pre>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
05 Verification Status:	<ul> <li>Pass – all existing conditions hav</li> <li>Fail – one or more of the existing</li> </ul>	e been verified; or g conditions not present. Enter reason for f	ailure in correction notes field below
06 Correction Notes:	0- 11		

HVAC – Cooling Systems	CE1P then display the "Section	Doos Not Apply" massagess					
< <if "section="" appear="" apply"="" cf1r,="" data="" display="" does="" existing="" in="" message="" not="" the="" then="">&gt;</if>							
01	02	03	04	05			
Name	System Type	EER/EER2/CEER	SEER/SEER2	Verification			
<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail			
<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail			

CERTIFICATE OF	VERIFICATION - D	OATA FIELD DEFINIT	IONS AND CALCULATIONS
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Existing Conditions for Residential Alterations

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6.

06	Verification Status:	Pass – all existing conditions have been verified; or	~~~	0
00	Verification Status.	Fail – one or more of the existing conditions not present. Enter reason for fa	ailure in correction no	tes field below
07	Correction Notes:		- U	NA -

К. Н	VAC Distribution				110.
< <if< td=""><td>existing data does not appear</td><td>r in CF1R, then display the "Section D</td><td>oes Not Apply" message&gt;&gt;</td><td>0</td><td>01.</td></if<>	existing data does not appear	r in CF1R, then display the "Section D	oes Not Apply" message>>	0	01.
	01	02	03	04	05
	Name	Duct R-Value	Supply Duct Location	Return Duct Location	Verification
	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	<pull cf1r="" from=""></pull>	User input: Pass or Fail
Ub   Verification Status:			ing conditions have been verified; o nore of the existing conditions not p	r resent. Enter reason for failure in corr	ection notes field below
07	Correction Notes:		AN		

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	01	02	03	04	05	
	Name	IAQ Fan Type	Airflow (CFM)	Fan Efficacy (W/CFM)	Verification	
	< <pull cf1r="" from="">&gt;</pull>	< <pull cf1r="" from="">&gt;</pull>	< <pull cf1r="" from="">&gt;</pull>	< <pull cf1r="" from="">&gt;</pull>	< <user fail="" input:="" or="" pass="">&gt;</user>	
		Pass - all applicable	e requirements are met; or	<u> </u>		
06	Verification Status	Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below				
07	Correction Notes:	0, $0$ , $0$ , $0$ , $0$ , $0$ , $0$ , $0$ ,				

M. [	Determination of HERS Verification Compliance
	applicable sections of this document shall indicate compliance with the specified verification protocol requirements in order for this Certificate of Verification as a whole to determined to be in compliance.
01	< <if "complies:="" "does="" a="" all="" and="" are="" b,="" b1,="" c,="" comply:="" d,="" display="" document="" e,="" else="" equal="" f,="" fail="" fail.="" for="" g,="" h,="" i,="" in="" is="" j,="" k,="" l="" met".="" met".<="" more="" not="" on="" one="" or="" pass="" pass.="" protocol="" requirements="" result="" result,="" results,="" sections="" specified="" status="" text:="" th="" then="" this="" verification=""></if>
	anti