CEC-CF3R-EXC-20-H

SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

CERTIFICATE OF VERIFICATION

Note: This table completed by ECC Registry	Note:	This	table	comp	leted	by	ECC	Registry	٧.
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Project Name:	CF1R-PRF Calculation Date/Time:
CF1R-PRF Calculation Description:	CF1R-PRF Input File Name:

A. General Information

01	Project Name		.0.7	
02	Calculation Description			
03	Project Location			
04	CA City	05	Standard Version	
06	Zip Code	07	Software Version	
08	Climate Zone	09	Front Orientation (deg/Cardinal)	
10	Total Building Volume (ft³)	11	Number of Dwelling Units	
12	Project Scope	13	Number of Bedrooms	
14	New Conditioned Floor Area(ft²)	15	Number of Stories	
16	Existing Conditioned Floor Area (ft²)	17	Fenestration Average U-factor	
18	Total Conditioned Floor Area (ft²)	19	Glazing Percentage (%)	
B1. B	uilding Envelope Leakage	VO. 40 CC.	,	

B1. Building Envelope Leakage

Zi zamamb zintereke zeamabe	
01 Date of Diagnostic Test for this Dwelling	
02 Test Procedure Used	
03 Manometer Make	
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	
12 Verification Status	quirements are met; or
☐ <u>Fail</u> - one or more app	icable requirements are not met. Enter reason for failure in corrections notes field below
13 Correction Notes:	
01 02 03 04 05 06 07 08 09 09 10 11	Date of Diagnostic Test for this Dwelling Test Procedure Used Manometer Make Manometer Model Manometer Serial Number Manometer Calibration Date Manometer Calibration Status Test Methodology Target Enclosure Air Leakage from CF1R (ACH50) Tested Pre-Retrofit CFM50 Tested Pre-Retrofit ACH50 Verification Verification Status Pass - all applicable rec

Registration Number:

Registration Date/Time:

ECC Provider:



CEC-CF3R-EXC-20-H

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D.	U	va	uι	ıe	ЭL	ина	res

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

C. Roofs

	01	02	03	04	05	06	07	08		
	Name Construction		Roof Rise	Roof Reflectance	Roof Emittance	Radiant Barrier	Cool Roof	Verification		
09	O9 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									
10	Correction Notes:									

D. Windows

	01	02	03	04	05	06	07	08
	Name	Azimuth	Multiplier	Area (ft²)	U-factor	SHGC	Exterior Shading	Verification
					_			
09	O9 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							
10	Correction Notes	:						

E. Doors

	01	02	03	04	05
	Name	Parent Surface	Area (ft²)	U-factor	Verification
06	Verification Status:		requirements are met; or oplicable requirements are not met. Ent	ter reason for failure in corrections note	s field below
07	Correction Notes:				

Registration Number:

Registration Date/Time:

ECC Provider:



CEC-CF3R-EXC-20-H

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F.	Oν	erh	angs	&	Fins
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0	1	02	03	04	05	06	07	08	09	10	11	12	13	14	15
		Overl			ng			Lef	Fin			Right	Fin		
		Overhang								Bottom			Dist	Bottom	Verificatio
Win	dow	Depth	Dist. Up	Left Ext.	Right Ext.	Flap Ht	Depth	Top Up	Dist (Left)	Up	Depth	Top Up	(Right)	Up	n
16	Pass - all applicable requirements are met; or														
10	Verification Status: Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below														
17	Correction Notes:														

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
10 Verification Status: Pass - all applicable requirements are met; o									
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
06	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			
07	Correction Notes:				

I. HVAC - Heating Systems

	0 1				
	01	02	03	04	
	Name	Туре	Efficiency	Verification	
05	Verification Status:	☐ Pass - all applicable requirements are r	met; or		
03	Verification Status.	 Fail - one or more applicable requirem 	Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below		
06	Correction Notes:				

Registration Number:

Registration Date/Time:

ECC Provider:



CEC-CF3R-EXC-20-H

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	01	02	03	04	05
	Name	System Type	EER/EER2/CEER	SEER/SEER2	Verification
		<u> </u>			
06	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 			
07	Correction Notes:			V	
. H\	/AC Distribution		60		
	01	02	03	04	05
	Name	Duct R-Value	Supply Duct Location	Return Duct Location	Verification
				5 ′ 6 •	
06	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 			
)7	Correction Notes:				
	door Air Quality (IAQ) Fan	ie.			
Inc	01	02	03	04	05
Inc			03 Airflow (CFM)	04 Fan Efficacy (W/CFM)	05 Verification
Inc	01	02			
Inc	01	02			
	01	O2 IAQ Fan Type Pass - all applicabl	Airflow (CFM) e requirements are met; or		Verification
06	01 Name	O2 IAQ Fan Type Pass - all applicabl	Airflow (CFM) e requirements are met; or	Fan Efficacy (W/CFM)	Verification
D6 D7	O1 Name Verification Status Correction Notes: etermination of ECC Veriforplicable sections of this d	O2 IAQ Fan Type Pass - all applicabl Fail - one or more	Airflow (CFM) e requirements are met; or applicable requirements are not met. En	Fan Efficacy (W/CFM)	Verification field below
06 07 /I. D	O1 Name Verification Status Correction Notes: etermination of ECC Veriforplicable sections of this d	O2 IAQ Fan Type Pass - all applicabl Fail - one or more Fication Compliance ocument shall indicate comp	Airflow (CFM) e requirements are met; or applicable requirements are not met. En	Fan Efficacy (W/CFM) ter reason for failure in corrections notes f	Verification field below

Registration Number:

Registration Date/Time:

ECC Provider:



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 Verification documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA/AEA/ECC Certification Identification (If applicable):
City/State/Zip:	Phone:
	YO'XV

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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 ECC Rater who performed the verification identified and reported on this Certificate of Verification (responsible rater).
- 3. I field inspected the existing building features, materials, components, manufactured devices, or system performance characteristics proposed for compliance credit for energy efficiency improvement identified on this Certificate of Verification and determined these existing building features, materials, components, manufactured devices, or system performance characteristics qualify for the proposed existing conditions compliance credit unless reported as not qualified in verification status and correction notes fields on this Certificate of Verification.
- 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 shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to fulfill this requirement.
- 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. I will take the necessary steps to fulfill this requirement.

ECC RATER INFORMATION

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

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

Registration Number: Registration Date/Time: ECC Provider:

(Page 1 of 2)

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

Existing Conditions for Residential Alterations (Page 2 of 2)

L. Indoor Air Quality (IAQ) Fans

All columns of this section should be verified.

M. Determination of ECC Verification Compliance

This field is filled out automatically based on all verification protocol requirements in this document showing compliance.

Documentation Declaration Statements

- 1. The person who prepared the CF3R will sign and complete the fields for their name, company (if applicable), address, phone number, certification information (if applicable), date and signature.
- 2. The person who is assuming responsibility for the project being built to comply with Title 24, Part 6, will complete the fields (if applicable) for their company, responsible builder or installer name, CSLB license number, sample group number, dwelling test status in sample group, ECC Rater company name, ECC Rater name, ECC Rater signature, ECC Rater certification number and date signed.