SAMPLE FORM – NOT VALID FOR SUBMISSION TO BUILDING DEPARTMENTS

CERTIFICATE OF INSTALLATION

Note: This table completed by ECC Registry.

Project Name:	Enforcement Agency:
Dwelling Address:	Permit Number:
City and Zip Code:	Permit Application Date:

Note: This Certificate of Installation document is only applicable if a PV system is in the proposed design or PV Exceptions are selected in the CF1R-PRF-01 or CF1R-NCB-01.

A. General Information

01	Project Location (City)		02	Building Type	
03	Climate Zone		04	Method of Compliance:	
05	Qualifying Exceptions		06	Community Solar	

B. Design Photovoltaic Systems Information

01	02	03	04	05	06	07	08	09	10	11	12	13
PV Array ID or Name	Adjusted Minimum PV Size (kW)	Adjusted Minimum PV Size from qualified exception requirement	Module Type	CFI (Yes/No)	Azimuth (deg)	Tilt Input (Deg/Pitch)	Angle/ Tilt	Annual Solar Access (%)	Inverter Efficiency (%)	Shading Requirement Compliance Path	Array Type	Module Level Power Electronics
14	Total DC System Size (kW)											

C. Installed Photovoltaic Systems Information

If the installer certifies that the installed PV system matches or exceeds the design PV system, the building complies with the PV system requirement, otherwise it does not comply.

01	02	03	04	05	06	07	08	09	10
PV Array ID or Name	DC System Size (kW)	Module Type	Azimuth (deg)	Tilt Input (Deg/Pitch)	Angle/Tilt	Annual Solar Access (%)	Inverter Efficiency (%)	Array Type	Module Level Power Electronics
11	Total DC System Size (kW)								

D. Solar Access Verification

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

01	The installer shall provide documentation that demonstrates the shading condition of the actual installation of the PV module is consistent with the annual solar access % in Table B. The verification must be done by measurements from an approved solar assessment tool or other CEC approved alternative methods. The satellite, drone or other digital image of the obstructions that cast shadows on the PV array must be created and dated after the installation of the photovoltaic system. If the image is dated before the installation, then additional on-site pictures must be attached to clearly show that the installed system matches the system modeled in the solar assessment report.

E. System Monitoring Requirements

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

All installed PV system must have a working web based portal and a mobile device application provide access to the following information

01	Nominal kW rating of the PV system
02	Number of PV modules and nominal watt rating of each module
03	Hourly (or 15 min), daily, monthly and annual kWh production in numeric and graphic format
04	Running total of daily kWh production
05	Daily kW peak power production
06	Current kW production of the entire PV system

F. Qualifying Exception Requirement

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

Limited Solar Access
The installer shall provide documentation of the solar access roof area (SARA) limitations that justify the exception. Documentation may include roof plans, aerial photos, satellite images, 3D model, or other documentation that clearly shows the available solar access roof areas that meet the definition of SARA in 150.1(c)14
Declared emergency area
If a building is damaged or destroyed in a declared emergency area prior to 1/1/2020 (AB-178), it must comply with PV requirement applicable on originally constructed permit date. Eligibility to this exception, such as income or insurance requirements, shall be confirmed by the enforcement agency.
Snow Load
The installer shall provide roof design, PV system design, and/or ASCE Standard 7-22, Chapter 7, Snow Loads calculation to the enforcement authority. The enforcement authority must determine that it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof, to meet ASCE Standard 7-22, Chapter 7, Snow Loads. **10-109(k) PV Requirement Determination**
Only buildings within the jurisdiction of Trinity Public Utility District qualify for this exception.

G. SMUD Solar Share Program

The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.

01	Required kW	
02	Standard Design kW (CFI1 orientation and 98% solar access)	
03	Attach a copy of SMUD Attestation of Premise Registration in Neighborhood SolarShares (Attestation).	

H. Compliance Statement

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Installation 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:

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 Installation is true and correct.
2. I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person's behalf.
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency.
4. I understand that a registered copy of this Certificate of Installation 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 Installation 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.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:
Third Party Quality Control Program (TPQCP) Status:	Name of TPQCP (if applicable):	

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

CF2R-PVB-01-E User Instructions

A. General Information

1. For information only and requires no user input.
2. For information only and requires no user input.
3. User choose from list of qualifying exceptions to the PV requirements. If no exception applicable, choose N/A
4. For information only and requires no user input.
5. For information only and requires no user input.
6. For information only and requires no user input.

B. Design Photovoltaic Systems Information

This table reports the PV system features that were specified on the registered CF1R compliance document for this project. For information only and requires no user input.

C. Installed Photovoltaic Systems Information

1. PV Array ID or Name - Reference information from CF1R.
2. DC System Size – Enter the kWdc of the array. Must be equal or greater the adjusted design system size for this array.
3. Module Type – If the array meets the California Flexible Installation criteria, then enter the Module Type. Different module types are Standard and Premium.
4. Azimuth - If the array meets the California Flexible Installation criteria, then enter the azimuth of the array in degrees from North.
5. Tilt Input - Different Tilt input are Degree and Pitch.
6. Angle/Tilt - Enter the value of the angle or tilt.
7. Annual Solar access – Enter the percent of solar access
8. Inverter Efficiency – Enter the inverter efficiency in percent. Must be equal or greater the design inverter efficiency for this array.
9. Array Type – Choose from: fixed (open rack), tracking (one axis), tracking (two axis)
10. Module Level Power Electronics – Choose from: microinverters or DC power optimizers

D. Solar Access Verification

Installer must ensure all the requirements on this table are met.

E. System Monitoring Requirements

Installer must ensure all the requirements on this table are met.

F. Qualifying Exception Verification

Installer must ensure all the requirements on this table are met.

G. SMUD Solar Share Program

Installer must ensure all the requirements on this table are met.

Documentation Declaration Statements

1. The person who prepared the CF2R 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 for their name, company (if applicable), address, phone number, license number (if applicable), date and signature.