

**CERTIFICATE OF INSTALLATION**

Note: This table completed by HERS Registry.

Project Details

Field Name	Data Entry	Field Name	Data Entry
Project Name		Enforcement Agency	
Dwelling Address		Permit Number	
City and Zip Code		Permit Application Date	

A. Design Solar Water Heating Systems Information

Field	Field Name	Entry 1	Entry 2	Entry 3
01	System Name			
02	Collector Manufacturer			
03	Collector Brand			
04	Collector Model			
05	# of Collectors			
06	Azimuth from North			
07	Tilt from Horizontal			
08	Tank Volume (gal)			
09	SRCC/IAPMO Number			
10	Solar Savings Fraction			

**B. Installed Solar Water Heating Systems Information**

Field	Field Name	Entry 1	Entry 2	Entry 3
01	System Name			
02	Collector Manufacturer			
03	Collector Brand			
04	Collector Model			
05	# of Collectors			
06	Azimuth from North			
07	Tilt from Horizontal			
08	Tank Volume (gal)			
09	SRCC/IAPMO Number			
10	Solar Savings Fraction			

C. Mandatory Measures for Solar Water Heating Systems

Field	Field Description
01	Backup storage tanks for solar water-heating systems have R-3.5 external insulation, or R-16 internal insulation where the internal insulation R-value indicated on the exterior of the tank. (§150.0(j)1).
02	All domestic hot water piping (including solar) shall be insulated (§150.0(j)2A).
03	The collectors are located in a position that is not shaded by adjacent buildings or trees.
04	OG-300 System only - The collectors shall face within 35° of south and be tilted at a slope of at least 3:12.

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

**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:
Company:	Signature Date:
Address:	CEA/ HERS 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 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 Installation 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.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip:	Phone:

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

CERTIFICATE OF INSTALLATION - DATA FIELD DEFINITIONS AND CALCULATIONS	CF2R-STH-01-E
Solar Water Heating Systems	(Page 1 of 1)

CF2R-STH-01-H User Instructions

Section A. Design Solar Water Heating Systems Information

This table reports the water heating system features that were specified on the registered CF1R compliance document for this project.

Section B. Installed Solar Water Heating Systems Information

This table reports the water heating system information that is being installed. Require one column for each installed water heater. For OG-100 systems, the installed system must match the designed in Table A.

1. System Name - Reference information from Table A.
2. Collector Manufacturer – User input for OG-300 systems.
3. Collector Brand – User input for OG-300 systems.
4. Collector Model – User input for OG-300 systems.
5. # of Collectors – User input for OG-300 systems.
6. Azimuth from North - User input for OG-300 systems. Must be between 145 to 215 degrees from North
7. Tilt from Horizontal - User input for OG-300 systems. Must be between 14 to 90 degrees from horizontal
8. Tank Volume – User input for OG-300 systems.
9. SRCC/IAPMO Number - User input for OG-300 systems.
10. Solar Savings Fraction - User input for OG-300 systems. Must be equal or better than the solar savings fraction in Table A

Section C. Mandatory Measures for Solar Water Heating Systems

1. Verify that all storage tanks that are part of the solar system are insulated with either R-3.5 external insulation or labeled that they have at least R-19 internal insulation.
2. Verify that all piping in the solar system meets minimal insulation levels per §150.0(j)2A.
3. The collectors shall be located in a position that is not shaded by adjacent buildings or trees between 9:00 AM and 3:00 PM. Inspect site to determine if any structural component of the building, adjacent structures, or tree may shade the collector area.
4. OG-300 System only - Collector System orientation shall be within 35° from true south Declination from true north for the site should be calculated and included in this measurement.