



## Solar Domestic Water Heating Standard Plan for One- and Two-Family Dwellings

SCOPE: Use this plan ONLY for solar domestic water heating systems not exceeding a thermal output rating of 30 kWth on the roof of a one- or two-family dwelling or accessory structure and used for domestic water heating. Systems must be in compliance with current California Building Standards Code, Title 24 and local amendments of the authority having jurisdiction (AHJ). Other articles of the California Plumbing Code (CPC) or California Mechanical Code (CMC) or other California health and safety codes shall apply.

MANUFACTURER'S SPECIFICATION SHEETS MUST BE PROVIDED for proposed collector, controller, pump, storage tank/heat exchanger/heat transfer fluid (if applicable) and mounting systems. Equipment intended for use with SWH system shall be identified and listed for the application.

Job Address: \_\_\_\_\_ Permit #: \_\_\_\_\_

Contractor/Engineer Name: \_\_\_\_\_ License # and Class: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_

Total # of Collectors Installed \_\_\_\_\_ Total Area of Collectors \_\_\_\_\_

Collector Certification Number (include certifying agency) \_\_\_\_\_

System Certification Number (include certifying agency) \_\_\_\_\_

Max Height Above Roof \_\_\_\_\_ Height Above Ground \_\_\_\_\_

### Major Components (for SDWH systems)

Solar Tank Make/Model \_\_\_\_\_ Gallons \_\_\_\_\_ Insulation R- \_\_\_\_\_ Pressurized?

Heat Exchanger Make/Model \_\_\_\_\_ Number of Walls \_\_\_\_\_ Heat Exchange Fluid

Solar Control Make/Model \_\_\_\_\_

Solar Pump/Circulator Make/Model \_\_\_\_\_

Expansion Tank Make/Model \_\_\_\_\_ Appropriately Sized for Use? \_\_\_\_\_

Mounting Hardware Make/Model or Type \_\_\_\_\_

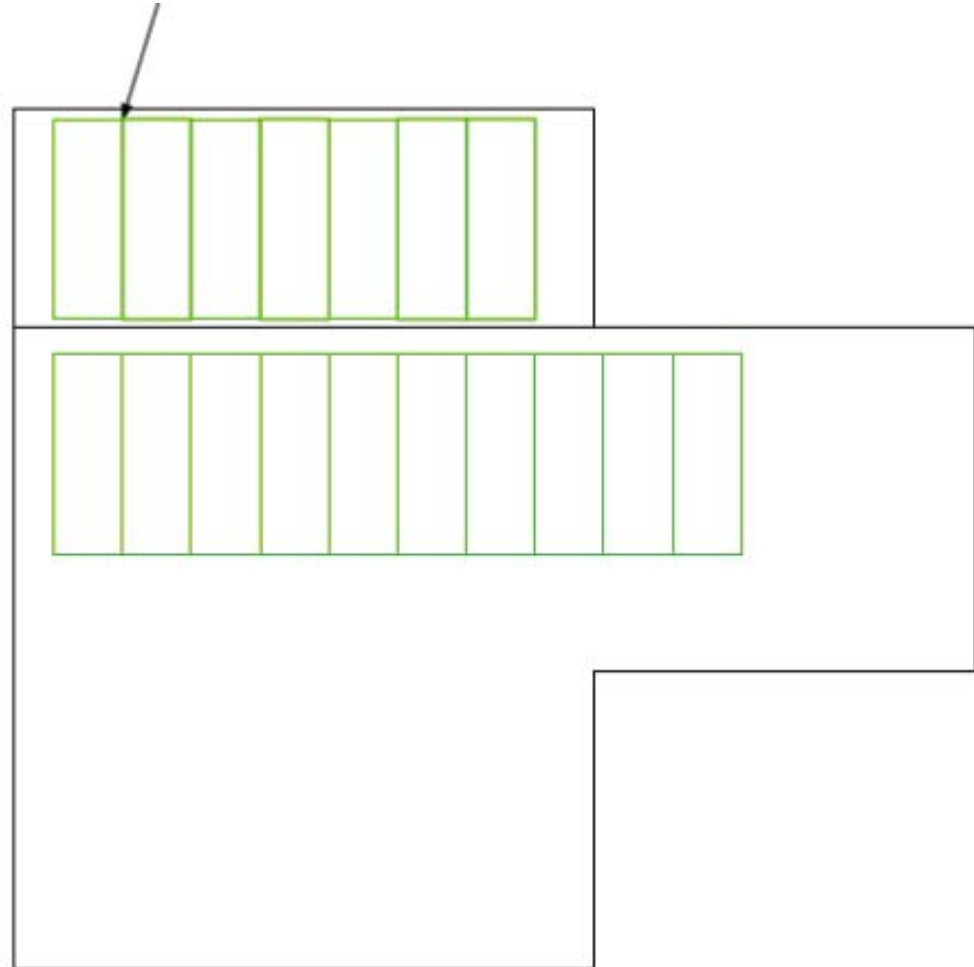
Do all the above data match substantially the data used for certification? \_\_\_\_\_

## SAMPLE ROOF PLAN for SDWH and SPH systems

- ROOF TYPE: STANDING SEAM
- ROOF HEIGHT (Elevation): MAX 15' (1 story)
- RAFTERS: 2" X 6" @ 24" OC



(18) 4'x12' XXX PANELS



# SAMPLE ONE LINE PLUMBING DIAGRAM

For SPH Systems

