



**STANDARD PLAN**  
**SOLAR DOMESTIC WATER HEATING ROOFTOP INSTALLATIONS**  
**30 kWth OR LESS, ONE- AND TWO-FAMILY DWELLINGS**

CITY OF ENCINITAS DEVELOPMENT SERVICES DEPARTMENT  
505 SOUTH VULCAN AVENUE ENCINITAS CA 92024

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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.

**APPLICANT AND SITE INFORMATION**

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

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

Email: \_\_\_\_\_ Phone Number: \_\_\_\_\_

**COLLECTOR INFORMATION**

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

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

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

**SYSTEM MAJOR COMPONENTS INFORMATION**

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

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? Y  N

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

Do all the above data match substantially the data used for certification? Y  N

# SAMPLE ROOF PLAN FOR SDWH SYSTEMS

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

(18) 4'x12' XXX PANELS

