



**City of Foster City**  
**Community Development Department, Building Division**  
**610 Foster City Blvd., Foster City, CA 94404**

**Solar Pool Water Heating Standard Plan for  
One- and Two-Family Dwellings**

SCOPE: Use this plan ONLY for solar pool heating (SPH) systems not exceeding a thermal output rating of 30kWth on the roof of a one- or two-family dwelling or accessory structure used for residential solar pool heating. Systems must be in compliance with current California Building Standards Codes and local amendments of the City of Foster City, the California Mechanical Code (CMC), Electrical Code (CEC), California Plumbing Code (CPC), and California Building Code (CBC), or other California health and safety Codes as applicable.

MANUFACTURER'S SPECIFICATION SHEETS MUST BE PROVIDED for the proposed collectors, controller, pumps, storage tanks/heat exchanger, heat transfer fluid details, diverting valve, and mounting systems. Installation instructions for all equipment shall be provided. Listed and labeled equipment shall be installed and used in accordance with any instructions included in the listing or labeling. Equipment intended for use with a solar pool heating system shall be identified and listed for the application.

Job Address: \_\_\_\_\_

Permit #: \_\_\_\_\_

Contractor/ Engineer Name: \_\_\_\_\_

License #: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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

Total # of Collectors Installed: \_\_\_\_\_

Total Collector Area: \_\_\_\_\_

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

Max Height Above Roof: \_\_\_\_\_

**Major Components (for SPH systems)**

Solar Controller Make/Model: \_\_\_\_\_

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

Diverting Valve Make/Model: \_\_\_\_\_

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

Does All data, Listed Above, Match Those Data Used For Certification?    Yes    No

# **SPH STANDARD PLAN**

**Roof Layout Diagram for One- and Two-Family Dwellings**



**Items required: roof layout of all collectors, components, clear access pathways, and roof access points. All other equipment to be effectively screened to the satisfaction of the Community Development Director.**