



City of Foster City

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

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

SCOPE: Use this plan ONLY for solar domestic water heating (SDWH) 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, 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 DHWS shall be identified and listed for the application.

Job Address: _____ Permit #: _____

Contractor/ Engineer Name: _____ License # and Class: _____

Signature: _____ Date: _____ Phone Number: _____

Max Height Above Roof: _____

Major Components (for SDWH systems)

Solar Tank Make/Model _____ Gallons _____ Insulation R- _____

Is The System Pressurized? Yes No

Heat Exchanger Make/Model _____ Number of Walls _____

Heat Exchange Fluid _____

Solar Control Make/Model _____

Solar Pump/Circulator Make/Model _____

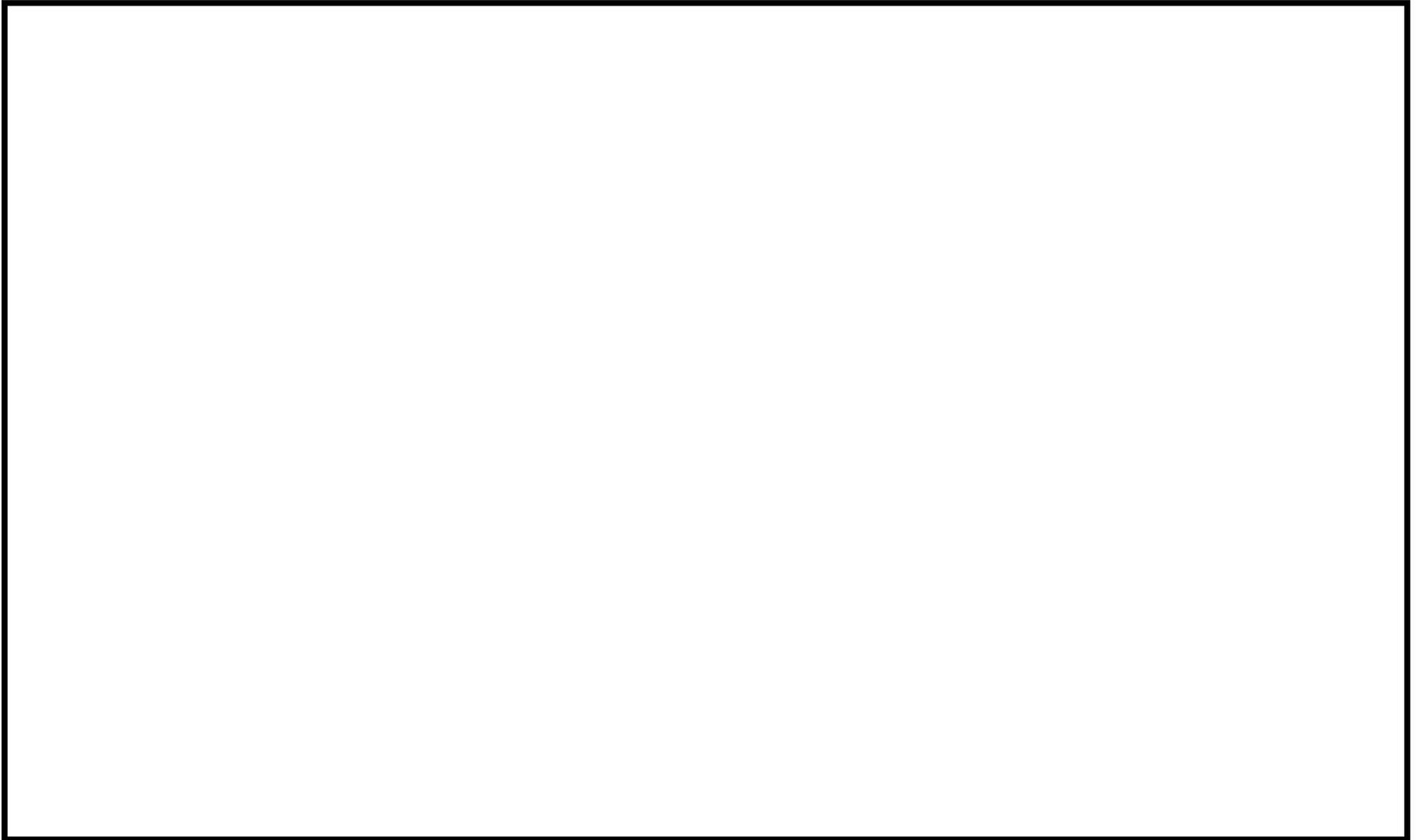
Expansion Tank Make/Model _____ Is the Expansion Tank Appropriately Sized for Use? Yes No

Mounting Hardware Make/Model or Type _____

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

SDWH 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.