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

SCOPE: Use this plan ONLY for solar pool 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 residential solar pool 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 health and safety codes shall apply.

MANUFACTURER’S SPECIFICATION SHEETS MUST BE PROVIDED for proposed collector, controller, solar pump (if applicable), heat exchanger/heat transfer fluid (if applicable), diverting valve (if applicable) and mounting systems. 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 # and Class: ______________
Signature: ________________________ Date: ________ Phone Number: ____________________
Email: ________________________________
Total # of Collectors Installed _________ Total Collector Area _________
Collector Certification Number (include certifying agency) ________________________
Collector Material ________________________
Max Height Above Roof _____ Height Above Ground ________

Major components
Solar Control Make/Model ______________________
Solar Pump Make/Model (if applicable) _________________
Diverting Valve Make/Model ________________________
Mounting Hardware Make/Model or Type _______________
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