



# COUNTY OF RIVERSIDE DEPARTMENT OF BUILDING AND SAFETY

## **RESIDENTIAL SOLAR SYSTEM CHECK LIST**

### Solar Comfort Heating System

1. A primary system capable of providing the required heating as set forth in the current edition of the California Building Code.
2. The secondary solar system must include but is not limited to the following items:
  - a. Two (2) complete sets of drawings must be submitted showing the entire heating system.
  - b. The system must be signed for by an engineer or architect registered in the State of California or signed by a State of California licensed contractor for this type of work.
  - c. Calculations on roof-mounted solar collector panels and other solar equipment must be provided to prove the roof's ability to support the dead load. If only panels are installed on the roof and the total wet weight does not exceed 6 lbs. per square foot, calculations will not be required.
  - d. Protection of the potable water must be by an approved method acceptable to the administrative authority. Identify piping material used in the system.
  - e. Each water heater shall be provided with a listed properly sized temperature and pressure relief valve in addition to meeting the requirements of the current edition of the California Plumbing Code.

### **Solar Heating of Potable Water**

1. Two (2) complete sets of drawings must be submitted showing the complete system.
2. Provide listing on solar collector panels and heat exchanger.
3. Each water heater shall be provided with a listed properly sized temperature and pressure relief valve in addition to meeting the requirements of the current edition of the California Plumbing Code.
4. Identify piping material used in the system.
5. Calculations on roof-mounted solar collector panels and other solar equipment must be provided to prove the roof's ability to support the dead load. If only panels are installed on the roof and the total wet weight does not exceed 6 lbs. per square foot, calculations will not be required.