



Chandler · Arizona
Where Values Make The Difference

Solar Checklist Residential Solar Water Heater System

Submittal Requirements:

- A. One Building Permit Application.
- B. Two copies of plans to include:
 - Roof and site plan with location of solar installation
 - Roof plan and site plan showing location of house in relation to street and property lines.
 - Plan indicating location of major equipment.
 - Panel configuration shown on roof plan.
 - Mounting details for solar panel installation
 - Weight of panels with water.
 - Attachment method indicated.
 - If building is less than 30 years old and array weight is less than 5 lbs/sq ft, structural engineering is not required. If either or both of these points are exceeded provide sealed structural engineering.
 - Installation diagram
 - Piping size and type from water heater to solar collector.
 - Isolation valves (labeled with open and closed position).
 - Pressure and temperature relief valve.
 - Expansion tank, controller, heat exchanger, pump, etc.
 - Any new electrical connections require a wiring diagram including the circuit size, conductor size and type, conduit size and type.
 - Protection from vehicle impact. Elevation of ignition source if gas. Pan if located in residence.
 - Manufacturer's cut sheets for all components
 - Cut sheets for solar panels.
 - Cut sheets for solar water heater.
 - Cut sheets for mounting system.
 - Cut sheets for other equipment as applicable, expansion tank, controller, heat exchanger, pump, etc.
 - Please do not submit installation manuals. This information shall be available for the inspector at the jobsite.