

THERMOSIPHON SYSTEM INSPECTION

PAGE 1 OF 3

INSPECTOR:

RESIDENT NAME:

FSEC SYSTEM APPROVAL #:

SITE ADDRESS:

DATE OF INSPECTION:

COLLECTOR

ITEM TO INSPECT	YES	NO	N/A	REMARKS
Components listed on FSEC System Approval form and schematic are included in installation				
Certification label is affixed to collector				
Manufacturer and model of collector (See Remarks)				Manufacturer: Model:
Collector location (See remarks)				- Roof - Ground - Other (Describe):
Collector is in an unshaded location				
Collector orientation (See Remarks) (Must be with 45° west or east of south)				- South or nearly south - Southeast or southwest - East or west
Collector Azimuth Angle (Include if compass reading is available-See Remarks)				____ ° East of south ____ ° West of south
Collector Tilt (From Horizontal-See Remarks)(Must be mounted at an angle plus or minus 15° from latitude)				____ °
Clearance under collector (See Remarks)				____ "
Distance from collector to tank (See Remarks)				____ Horizontal (Feet) ____ Vertical (Feet)
Collector is firmly attached to roof structure				
Roof piping penetrations are sealed				
Roof wiring penetrations are sealed				
Exterior piping is insulated (See remarks)				Type of insulation:
Thickness of exterior pipe insulation. (See Remarks)				____ "
Exterior pipe insulation protected from UV degradation				
Protective coating for exterior pipe insulation (See remarks)				Protective method:
Piping insulation joints well sealed				
Air vent is installed in vertical position at highest point				
Temperature and Pressure (TP) Relief Valve or Pressure (P) Relief valve is installed				
Vacuum breaker installed (if required – see system approval)				

**THERMOSIPHON SYSTEM INSPECTION
PAGE 2 OF 3**

THERMOSIPHON STORAGE TANK

ITEM TO INSPECT	YES	NO	N/A	REMARKS
Solar storage tank properly installed				
Storage tank valves installed as per schematic				

ELECTRIC STORAGE TANK

ITEM TO INSPECT	YES	NO	N/A	REMARKS
Tank Location (See Remarks)				- Garage - Carport - Closet - Outside - Kitchen - Other _____
Tank Manufacturer (See Remarks)				Mfg:
Tank Model (See Remarks)				Model:
Tank capacity (See Remarks)				Gallons _____
R-value of tank insulation (See Remarks)				R-value _____
Insulation blanket				
Type of insulation in blanket (See Remarks)				Type:
Thickness of insulation in blanket (See Remarks)				_____ inches
Number of heating elements (See Remarks)				_1 _2
Upper heating element wattage and set point (See Remarks)				_____ Wattage _____ ° F
Lower heating element wattage and set point (See Remarks)				_____ Wattage _____ ° F
Pressure-Temperature Relief Valve installed				
Hot and cold service piping insulated				
Conventional tank properly converted to solar				

**THERMOSIPHON SYSTEM INSPECTION
PAGE 3 OF 3**

BALANCE OF SYSTEM

ITEM TO INSPECT	YES	NO	N/A	REMARKS
Components indicated on FSEC System Approval schematic are installed in their proper locations				
Collector feed and return line piping material (See Remarks)				Q Copper Q Other _____
Collector feed and return piping insulated				
Collector feed and return line piping is drainable				
Check valve installed				Q Spring Q Swing
Isolation valves in collector feed and return lines				
Drain valves in collector feed and return lines				
Insulation (Rated at R-2.4) or greater installed on all interconnecting hot and cold water piping installed in attics, unconditioned garages, other unconditioned indoor spaces, as well as all conditioned spaces.				
Owner's manual provided				
System warranty provided				