

ICS SYSTEM INSPECTION FORM

LOCAL AGENCY:
 RESIDENT NAME:
 SITE ADDRESS:

INSPECTOR:
 FSEC SYSTEM APPROVAL #:
 DATE OF INSPECTION:

ITEM TO INSPECT	YES	NO	N/A	REMARKS
Components listed on FSEC System Approval form and schematic are included in installation				
Collector 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 within 45° west or east of south or on west facing roof.)				__ 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 flush mounted to roof or at an angle ± 15° from local latitude. If on flat roof, ± 15° from local latitude.)				____ °
Collector tilted for proper drainage				
Distance from collector to tank (See Remarks)				____ Horizontal (Feet) ____ Vertical (Feet)
Collector is firmly attached to roof structure				
Clearance under collector (See Remarks)				"
Pipe roof penetrations are sealed				
Exterior piping is insulated				Type of insulation:
Thickness of exterior pipe insulation (See Remarks)				"
Exterior piping is protected from UV degradation				
Protective coating for exterior pipe insulation (See Remarks)				Protective method:
Piping insulation joints well sealed				
Pressure relief valve is installed				
If used, freeze valve installed correctly				
If used, freeze valve has uninsulated stub				
If used, vacuum breaker is installed properly				

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ELECTRIC STORAGE TANK

ITEM TO INSPECT	YES	NO	NA	REMARKS
Tank Location (See Remarks)				<input type="checkbox"/> Garage <input type="checkbox"/> Carport <input type="checkbox"/> Closet <input type="checkbox"/> Outside <input type="checkbox"/> Kitchen <input type="checkbox"/> 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 (If used)				
Type of insulation in blanket (See Remarks)				Type:
Thickness of insulation in blanket (See Remarks)				_____ "
Tank element/thermostat doors accessible				
Number of heating elements (See Remarks)				<input type="checkbox"/> 1 <input type="checkbox"/> 2
Upper heating element wattage (See Remarks)				_____ Wattage
Lower heating element wattage (See Remarks)				_____ Wattage
Upper thermostat set point				_____ ° F
Lower thermostat set point				_____ ° F
Pressure-Temperature Relief Valve installed				
Pressure-Temperature Relief Valve exhaust routed to proper location as per local codes				
Hot and cold water service piping insulated				
Conventional tank properly converted to solar				
Freeze prevention information label attached to tank or other conspicuous location				

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BALANCE OF SYSTEM

ITEM TO INSPECT	YES	NO	N/A	REMARKS
Components indicated on FSEC System Approval form and schematic are installed in their proper locations				
Collector feed and return line piping material (See Remarks)				__ Copper __ Other
Collector feed and return piping insulated				
Collector feed and return line piping is drainable				
Diverter valve installed for collector feed/auxiliary routing.				
Diverter valve (solar/auxiliary tank) turned to "solar" feed				
Isolation valve in collector return line installed				
Isolation valve turned to solar position				
Drain valves in collector feed and return lines				
Insulation (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				