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## PARK CITY BUILDING INSPECTION DEPARTMENT

# Applicant Check List for Solar Hot Water Installations

### Requirements for Permit Submittal

- (a) Solar Installer Company \_\_\_\_\_
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- (b) Provide a roof plan and a framing cross-section showing roof slope, size, spacing, span and direction of existing rafters. **Note: If rafters are over-spanned, provide framing details for proposed rafter strengthening. A building permit is required for any new framing.**
- (c) Provide a manufacturer's specification sheets on all components including but not limited to size, weight and manufactures installation instructions.
- (d) Roof plan showing existing mechanical, plumbing, venting, intakes and proposed equipment.
- (e) Location of mechanical equipment and all storage tanks.
- (f) Site plan show location of existing structures and location of new panels and equipment.
- (g) Engineered details of the panel's attachment to existing roof. (Meets minimum roof and wind loads requirements.
- (h) Systems shall be equipped with means to limit the maximum water temperature of the system fluid entering or exchanging heat with any pressurized vessel inside the building to 180 degrees F (82C). This protection is in addition to the required temperature and pressure relief valves. Show required expansion tank sizing and location.
- (i) Collectors shall be listed and labeled to show the manufacturer's name, model number, serial number, collector weight, collector maximum allowable temperatures and pressures and the type of heat transfer fluids that are compatible with the collector. The label shall clarify that these specifications apply only to the collector.
- (j) Valves shall be installed to allow the solar collectors to be isolated from the remainder of the system. Each isolation valve shall be labeled with the open and closed position.

- (k) Where the weight of the equipment cannot be supported on the existing roof (paragraph b) or a tilt-up system is used, we require an engineer's letter certifying that the structure being used to anchor the solar array will endure the additional stressed created for live and dead loads and stress created by the tilt-up system catching wind (90 mph). **Minimum roof and wind loads requirements.**
- (l) The applicant will verify with the Park City Planning Department that the proposed complies with the zoning, planned development districts, historic districts and required HOA approvals or deed restrictions.

I \_\_\_\_\_ have read the above information and acknowledge that all the required documents have been provided.

Signature \_\_\_\_\_ Date \_\_\_\_\_

- Plumbing permit for application for flush mounted solar hot water panels and building and plumbing permits for tilt-up photovoltaic systems.
- Plumbing and mechanical vent termination is not allowed to remain under solar installations. Vent termination must be relocated (and possibly resized) or an air admittance valve may be utilized in accordance with the International Plumbing Code (IPC) and/or International Residential Code (IRC).