



**CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
RESIDENTIAL PHOTO VOLTAIC (PV) PLAN TEMPLATE**

The attached Plan Template was developed to guide you in preparing residential solar PV plans. Plans prepared in accordance with the attached documents, qualify to be reviewed over-the-counter by appointment, in lieu of being submitted. This template shall be used only for a residential PV project when installed on a sloped roof with the panel weight of 5 pounds per square foot or less. Refer to Information Bulletin 301 for additional submittal requirements, number of plans and fees. For Plan review appointments, call (619) 446-5300.

Plans shall include the following:

Plans shall include the general information about the project including a roof plan with the site plan. The location of the PV system on the building or structure shall be shown on the roof plan (attached PV-1).

Mounting details shall include framing plans showing the supporting structure for arrays and the attachment of the panels to the roof. If using manufactured racking systems provide the manufacturer's installation specifications (attached PV-2).

The single line diagram shall include a diagram showing the number of photovoltaic modules with voltage and ampacity output. Show all disconnects, combiners, inverters with input and output ratings, the ampere rating of the main electrical panel bus, the size of the main service disconnect, PV circuit breaker in amperes, in addition to the size and the type of all raceways and conductors (attached PV-3).

Manufacturer's specifications for the proposed PV modules and the proposed PV inverter(s) with all electrical information shall be attached to the plans.

Plans shall be signed and stamped by one of the following individuals:

- California Registered Electrical Engineer
- Electrical Contractor, C-10 License
- Solar Contractor, C-46 License
- General Contractor with B License (for the new residential construction or if the PV panels are to be located in new addition area only).

NOTE: This plan template may be used as a general guideline to prepare residential solar PV plans. Plans shall be modified to reflect the actual project-specific details.