



CITY OF RANCHO MIRAGE

DEVELOPMENT SERVICES

BUILDING & SAFETY DIVISION

69-825 Highway 111, Rancho Mirage, CA 92270

General: 760.202.9253 Inspections: 760.202.9852

Photovoltaic Solar Plan Submittal Requirements

2022 California Electrical Code

CHECKLIST

PLANNING DEPARTMENT APPROVAL STAMP AT TIME OF SUBMITTAL

- Three complete sets of signed plans shall be submitted if in person. One if digital.
- Include cut sheets for all equipment (panels, inverters, disconnect, etc.)
- The permit fee is due at submittal; average fee is approx. \$434.00
- Service Panel upgrades shall be an additional \$122.00.
- The approved method of flashing all penetrations CRC 903.2, 905.2.8.1, 905.3.8
- Approved method of support with engineering calculations for 110 mph, exposure "C."

Provide complete Single Line Drawing and detail the following:

- Details of fire access pathways on roof, as required by CRC R 324.6.1.
- Main service size in amps, list size of any sub-panels used.
- List the amperage of the PV breakers (See CEC 705.60, 705.65)
- Quantity of panels per string, strings per inverter, inverters per system.
- Overcurrent requirement of the panels used and the overcurrent device(s) installed.
- Provide cut sheets for Modules, Inverters, Optimizers and Support system.
- List type, temperature rating and size of all conductors. Design temperature is 111 degrees F.
- Include conductor correction factor for all roof mounted raceways.

List Location of all equipment installed:

- Show the location of conduit runs on the roof.
- Show location of combiner boxes at the end of each string and list fuse size if any.
- Show location of A/C and D/C disconnects,

Note: Point of Connection Disconnect must be readily accessible 690.13

- Detail panel bonding, how you will bond each panel and the complete system.
- Show location of inverters and any new panelboards installed (sub-panels)

Safeguards:

- All connections between strings must be in metal conduit (CEC 300.3, 352.12 C, D 350.12 1, 2)
- Roofing materials damaged by installation shall be replaced.
- All panels and equipment shall have required clearances and be accessible for service.
- Labeling shall be per. CEC; 690.5, 690.7, 690.9, 690.17, 690.35 705.12

HOA Letter Should Accompany Submittal, if applicable.