



**APPLY ONLINE AT [WWW.CITYOFRC.US/ONLINEPERMITCENTER](http://WWW.CITYOFRC.US/ONLINEPERMITCENTER)**

SUBMIT ELECTRONIC PLANS ■ TRACK STATUS ■ REQUEST INSPECTION

**THESE REQUIRED STANDARDS ARE PART OF THE APPROVED PLANS FOR RESIDENTIAL PHOTOVOLTAIC SOLAR SYSTEMS LESS THAN 10 KW**

These plans have *“conditional approval”*. The plans attached are approved based upon the description of the designer. The designer and installer assure that the installation shall match the plans at time of inspection and are in full compliance with **Articles 690 and 705** of the adopted **California Electrical Code (CEC) 2022**, and **California Fire Code (CFC) 2022 § 1205**.

**At the time of permit issuance, you need to provide:**

- Calculations for size of solar breaker are based on the type of meter panel.
- **If alterations to the installation need to take place, resubmit “revised” plans prior to calling for field inspection to avoid additional inspection fees.**

**At the time of inspection you must provide:**

1. Approved plans which match the installation and comply with applicable codes listed above.
2. Provide an OSHA approved ladder to provide access to the roof prior to the arrival of the inspector. The ladder shall be long enough to project 3 feet above the roof.
3. Below are common points of inspection the contractor must be prepared to show compliance at the site.
  - Number of PV modules and model number matches plans, and specification sheets.
  - Array conductors and components are installed in a neat and workman-like manner.
  - PV array is properly grounded.
  - Electrical boxes are accessible and connections are suitable for environment.
  - Array is fastened and sealed according to attachment detail.
  - Conductor’s ratings and sizes match plans.
  - Appropriate signs are properly constructed, installed and displayed, including the following.
    - Sign identifying PV power source system attributes at DC disconnect.
    - Sign identifying AC point of connection.
    - Sign identifying switch for alternative power system.
  - Equipment ratings are consistent with application and installed signs on the installation, including the following.
    - Inverter has a rating as high as max voltage on PV power source sign.
    - DC- Side Overcurrent Circuit Protection Devices (OCPDs) are direct current rated at least as high as max voltage on sign.
    - Switches and OCPDs are installed according to the manufacturer’s specifications (i.e. many 600VDC switches require passing through the switch poles twice in a specific way).
    - Inverter is rated for the site AC voltage supplied and shown on the AC point of connection sign.
    - OCPD connected to the AC output of the inverter is rated at least 125% of maximum current on sign, and is no larger than the maximum OCPD on the inverter listing label.
    - Sum of the main OCPD and the inverter OCPD is rated for not more than 120% of the bus bar rating.

**IF THE WORK REQUESTED FOR INSPECTION IS NOT READY WHEN THE INSPECTOR ARRIVES, A REINSPECTION FEE MAY BE ASSESSED.**

Contractors, please begin the application process by accessing [Online Permit Center](http://www.cityofrc.us/onlinepermitcenter).

**Acknowledged & Received:** \_\_\_\_\_

**Date:** \_\_\_\_\_