



Roof top Solar PV Inspections and Inspection Codes

Roof Mounted Systems

Inspection

Code# Description

133 – Rough Frame First Inspection - Attachment of rack/mounting system and flashing. NO PV PANELS/MODULES ARE TO BE INSTALLED AT THIS INSPECTION **NOTE: If PV Panels are installed when the inspector arrives for the first inspection the inspector will give direction to remove the panels and for the contractor to reschedule the inspection.**

- Installer will have the approved plans and ALL installation manuals available for the inspection
- Ladders will be set up as near as possible to the array, secured to the building, and extended 3' above the eave
- Installers will show the size, type, and method of fasteners installed to secure the mounting system to the roof structure
- Clearances to ridges for fire access and venting are per plan
- Flashing and counter flashing is installed per plan and manufacturer's requirements

204 – Rough Electric First Inspection - NO PV PANELS/MODULES ARE TO BE INSTALLED AT THIS INSPECTION

- Raceways are installed and secured and supported correctly
- Main electrical panel and sub panels will be verified to match plan and are free of electrical violations, damage, and hazards
- Inverters and disconnects are mounted in locations with adequate working clearance, out of direct sun light where prohibited by the manufacturer, and match the make/model as shown in the approved plans

299- Final Electric Final inspection – All work is to be completed at this inspection

- Ladders will be set up as near as possible to the array, secured to the building, and extended 3' above the eave
- Installer will have the approved plans and ALL installation manuals available for the inspection
- ALL placards, signs, and labels are required to be in place prior to the inspector's arrival **NOTE: If the placards, signs, and labels are not installed in the correct locations the inspector will give a correction to have them installed and give direction to complete and reschedule**

- Wire management under the array – Cables and conductors the array are required to be run closely to the mounting system or panels and secured with stainless steel hardware or other approved means – NO UV Plastic Zip Ties are permitted for supporting cables under the array.
- Electrical panels and equipment will be opened and ready for inspection
- Conduits and raceways that are visible from the street will be painted to match the roof covering or walls
- Equipment will be inspected for correct wiring, clearances, locations, etc.
- Access to the interior will be required for inspection of any wiring or equipment installed or run through the attic or interior of the premise
- Smoke detectors and C/O alarms will be verified – access to the interior required for this inspection.

NOTE: The cut off for next day inspections is 3pm the day before. Call 510-494-4885 to schedule inspections using the automated inspection request system. Please allow sufficient time when scheduling next day inspections to complete your calls by 3pm.

NOTE: Provisions shall be made to verify the information located on the modules and equipment on rooftops. Since Inspectors may not be able to walk on the roof due to steep slopes or on tile roofs, provisions to show attachment, wiring, bonding/grounding, and module and equipment labeling and installation must be made. Digital Camera images may be used to satisfy this requirement and Inspectors may require contractors to take photos during the course of the inspection.