



CITY OF NEWPORT BEACH
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION

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Photovoltaic (PV) Systems Standard Inspection Checklist

Make sure all PV system AC/DC disconnects and circuit breakers are in the **open** position and verify the following:

	YES	NO
1. All work done in a neat and workmanlike manner (CEC 110.12).		
2. PV module model number, quantity and location according to the approved plan. Module manufacturer, make, model and number, fire classifications of modules and brackets match the approved plans.		
3. Array mounting system and structural connections according to the approved plan. Modules are attached to the mounting structure according to the manufacturer's instructions and the approved plans.		
4. Roof penetrations/attachments are properly flashed.		
5. Conduit installation according to: CEC 690.4(F) and NBMC 15.06.040 Amendment to CEC Article 358.10 (The use of EMT in interior locations only).		
6. Roof access points, paths and clearances need to comply with the CFC 605.11. 1, and CRC R324.6.		
7. Grounding/bonding of rack and modules according to the manufacturer's installation instructions that are approved and listed.		
8. PV system operating at 80 volts or greater shall be protected by a listed DC arc fault protection. (CEC 690.11).		
9. AC and DC modules, converters, combiners, inverters, disconnects, load centers and electrical service equipment are properly marked and labeled. (CEC 110.3, 690.4[D], 690.51 & 690.52).		
10. For grid-connected systems, inverter is marked "utility interactive."		
11. For ungrounded inverters, installation complies with CEC 690.35 requirements.		
12. Conductors and overcurrent devices are the type and size according to the approved plan.		
13. Inverter output circuit breaker is located at opposite end of bus from utility supply at load center and/or service panelboard (not required if the sum of the inverter and utility supply circuit breakers is less than or equal to the panelboard bus rating).		

	YES	NO
14. Modules and Racking systems are bonded and grounded in accordance with the manufacturer's installation instructions, that are listed and approved, using the supplied hardware or listed equipment specified in the instructions and identified for the environment. (CEC 690.43 & 110.3[B]).		
15. Properly sized equipment grounding conductor is routed with the circuit conductors. (CEC 690.45, 250.134[B] & 300.3[B]).		
16. Access and working space for operation and maintenance of PV equipment such as inverters, disconnecting means and panelboards (not required for PV modules) (CEC 110.26).		
17. Provide markings per plan and have 3/8-inch (9.5 mm) minimum-sized white letters on a red background. The signs are made of reflective weather resistant material.		

NOTES: _____

<u>Photovoltaic Systems Checklist Approved:</u>	
By: _____	Permit #: _____ Date: _____