Make sure all PV system ac/dc disconnects and circuit breakers are in the open position and verify the following.

SHOULD BE “OFF” TO START THE INSPECTION
1. All work done in a neat and workmanlike manner (NEC 110.12)
1. All work done in a neat and workmanlike manner (NEC 110.12)

NO CONDUCTORS HANGING DOWN ATTRACTING ATTENTION OR DEBRIS
1. All work done in a neat and workmanlike manner (NEC 110.12)
2. PV module model number, quantity and location (also neat and workmanlike)
2. PV module model number, quantity and location (bad structurally and aesthetically)
3. Array mounting system and structural connections according to the approved plan.
4. Roof penetrations flashed/sealed according to the approved plan.
5. Array exposed cables are properly secured, supported and routed to prevent physical damage.

POORLY ROUTED UNSECURED AND LAYING ON ROOF SURFACE AND VENT
5. Array exposed cables are properly secured, supported and routed to prevent physical damage.
6. Conduit correctly installed and according to CRC R331.3 and NEC 690.4(F).
7. Firefighter access according to approved plan.
7. Firefighter access according to approved plan.

FIRE FIGHTERS HAD PLENTY OF ROOM TO FIGHT THE FIRE AT THIS RESIDENCE
8. Roof-mounted PV systems have the required fire classification
9. Grounding/bonding of rack and modules according to the manufacturer’s installation instructions.
10. Equipment listed and installed according to the approved plan.

11. Inverter is marked “utility interactive.”
12. Conductors, cables and conduit types, sizes and markings according to the approved plan.

THWN WIRE USED OUTSIDE CONDUIT IN SUNLIGHT - NOT ALLOWED

PV WIRE HAS CORRECT OUTDOOR RATINGS
13. Overcurrent devices are the type and size according to the approved plan.
14. Disconnects according to the approved plan and properly located as required by the NEC.
14. Disconnects according to the approved plan and properly located as required.
15. Inverter output circuit breaker is located at opposite end of bus from utility supply

Photo courtesy of Bill McGovern
16. PV system markings, labels and signs according to the approved plan
16. PV system markings, labels and signs according to the approved plan

OWNER HAD ALL THE EQUIPMENT STUCCOED—INCLUDING ALL THE SIGNS
17. Connection of the PV system to the grounding electrode system according to the approved plan.
18. Access and working space for operation and maintenance of PV equipment
19. The rapid shutdown system is installed according to the approved plan [690.12]