## STANDARD OPERATING PROCEDURE BUILDING INSPECTORS

## Field Inspection Checklist for Rooftop Photovoltaic (PV) Systems

The checklist items follow a typical inspection pathway from the roof down to the service entrance Make sure all PV disconnects are in the open position and verify the following.

Ш	(Customer/Installer to prove photos of mount, flashing and sealant prior to covering)
	(Customer/Installer to provide photos prior to placement of panels)
	(Customer/Installer to provide photos of Panel label for inspection)
	All work is done in a neat and workmanlike manner [NEC 110.12]
	PV modules make, model number, quantity, and location according to the approved plans.
	Array mounting system and structural connections according to approved plans.
	Roof penetrations flashed/sealed according to the approved plans.
	Array exposed cables are properly secured, supported, and routed to prevent physical damage.
	Conduit installation according to [NEC 690.31]
	Firefighter access according to approved plans. [R324]
	Roof-mounted PV systems have the required fire classification [IRC R902.4]
	Grounding/bonding of rack and modules according to manufacturer's installation instructions.
	Equipment installed is listed and labeled by a nationally recognized testing lab.
	Conductors, cables, and conduit types and size are according to approved plans.
	Conductors on roof need to maintain 7/8" clearance or temperature adder shall be calculated. [NEC 310.15(B)(2)]
	Overcurrent protection devices are the type and size according to plans.
	Disconnect location access and working space according to plans [NEC 110.26]
	Inverter output circuit breaker is located at opposite end of bus from the utility supply at the load center and/or
	service panelboard. If panelboard is center-fed, inverter output circuit breaker can be at either end of busbar [NEC
	705.12(B)] (not required if the sum of the inverter and utility supply circuit breaker is less than or equal to the
	panelboard bus rating)
	PV system markings, labels and signs according to plans. [NEC705.10]
	Connection of the PV system to the grounding electrode system.
	Access and working space for operation and maintenance of PV equipment such as inverters, disconnecting means
	and panelboards (not required for PV modules)[NEC110.26]
П	The rapid shutdown system is installed and operational, INEC 690.121