



EV CHARGING SYSTEM Inspection Checklist

Address _____

Date _____

Approved Permit Number _____

Attach or provide description of EV Supply Equipment (EVSE: Model, Amperage, Wattage, number of connectors, mounting type, hard wired vs plug-in, communication type)

Attach or provide description of new EV Charging Infrastructure (EVCI: new breakers, branch runs, new panels, switchboard modifications, transformers, utility service upgrades)

Inspection Steps		Project type	Pass/Fail
1	Visually Inspect all new outlets, conduits, wiring terminations, circuit breakers for proper installation and damage-free condition and to ensure that all cover plates are present and in good repair	All	
2	Check EVSE for damage and proper connection to facility power	All	
3	Confirm EVSE is properly certified (e.g. UL, CE, ISO, SAE, NACS, etc.)	All	
4	Confirm labeling requirements are met for all electrical equipment	All	
5	Confirm installation meets requirements of NFPA 70 and any local electrical codes	Multi-Family Commercial	
6	Confirm means of disconnection and locking of circuits to open position for service, for systems rated over 150 VAC and 60 amps (NFPA 70 625.43, 1100.25)	All	
7	Confirm EVSE connection to electric power supply is based on whether the EVSE is portable, fixed in place or fastened in place (NFPA 70 625.44)	Multi-Family Commercial	
8	Confirm underground conduit depths meet code (NFPA 70 300.5, 310.5)	Multi-Family Commercial	
9	Confirm EVSE circuits are dedicated or fit within the NEC 625 parameters for sharing EV charging circuits (NFPA 70 625.40 and 625.42)	All	
10	Confirm EV Charging circuits meet required 125% of continuous load (NFPA 70 625.41)	All	
11	Inspect all circuit breaker panels, distribution panels, and switchboard panels for any sign of damage or signs of loose connections	All	
12	Make sure EV circuits and EVSEs are properly grounded and receptacles use GCFI protection (NFPA 70 625.54)	All	
13	Confirm receptacles in wet locations have weatherproof enclosures (NFPA 70 625.56)	All	
14	Confirm new electrical load meets design parameters (NFPA 70 625.42)	All	
15	Confirm mobility access requirements are met (IBC 1107, Illinois Accessibility Code 208.2)	Multi-Family Commercial	
16	Confirm outdoor concrete work meets codes for depth (IBC)	Multi-Family Commercial	
17	As applicable, confirm wireless connections are properly established	All	
18	As applicable, confirm wireless connections meet electrical requirements	All	