



Kane County Development & Community Services

EV Charger System Inspection Checklist

Kane County
 Government Center
 719 Batavia Ave Building A
 Geneva, IL, 60134
 (630) 232-3485

(Confirm all EVCS disconnects & circuit breakers are de-energized and verify the following):	OK	NO
○ EVCS located in the area approved by plan & manufacturers' instructions		
○ EVCS structural connections of system are according to approved plan & manufacturers' instructions.		
○ Electrical wiring is in conduit (EMT for interior & IMC or RIGID for exterior)		
○ Electrical conduit is properly secure, supported & routed to prevent physical damage.		
○ Electrical conductors & overcurrent devices have the correct size & type and have been installed according to approved plan & manufacturers' instructions.		
○ EVCS equipment & disconnects installed, listed, & labeled according to approval plan & manufacturers' instructions.		
○ Grounding/bonding of electrical equipment done according to manufacturer's instructions & the NEC and receptacles use GFCI protection (NFPA 70 625.54)		
○ All penetrations are sealed according to plan & manufacturers' instructions.		
○ Access & working space for operation & maintenance of equipment, disconnecting means & panel boards comply with NEC requirements (NFPA 70 625.42)		
○ Confirm EV Charging circuit meet required 125% of continuous load (NFPA 70 625.41) & new electrical load meets design parameters (NFPA 70 625.42)		
(The following only pertains to Multi-Family, Commercial & Industrial properties):		
○ EVCS spaces may only be used for parking & charging electric or hybrid vehicles.		
○ EVCS spaces must be clearly marked with signage indicating the intended use of the parking space		
○ EVCS protection: barrier curbing, steel bollards or other adequate protections should be installed to protect EVCS equipment.		
○ Accessibility: EVCS equipment shall be located and comply with the accessibility requirements of the Illinois Accessibility Code & other applicable standards.		
Comments:		

Effective 1/1/2024		