Form #167

Code Compliance Checklist

ELECTRIC VEHICLE (EV) CHARGING

Building and Safety
Permit Service Center

Plans and documents must be submitted in electronic format as an unsecured, flattened PDF with embedded fonts. Minimum 11”x17” sheet size.

EV Charging permit applications, plans, and all supporting documents can be submitted electronically using Permits Online, by email to solar@cityofberkeley.info,or in person at the Permit Service Center.

Plans are not required for single-family, duplex or ADU applications for EV charging stations.

Building and Safety
1947 Center St. 3rd floor
Berkeley, CA 94704
510-981-7440 TTY 6903
buildingandsafety@cityofberkeley.info

Project Information

Project Address: _____

Permit Number: _____

Permit Submittal Requirements

☐ **Completed Electrical Permit Application**

☐ **Manufacturer’s specifications sheets and installation guidelines**

☐ **Schematic Site Plan** (Not required for single-family, duplex or ADU)

- Must show building footprint with distances to property lines, parking areas, location of electrical service/subpanels and location of existing and proposed EV charging stations. The site plan shall also contain project information (i.e., project address, owner’s information, scope of work statement).

☐ **Signed Electrical Plans** (Not required for single-family, duplex or ADU)

- Single line diagram
- Existing electrical service size and number of meters
- Size, type and insulation ratings (voltage, temperature, etc.) of all conductors and associated wiring components
- Type, size and material of raceway(s)
- Feeder or service load calculations for EV charging stations requiring more than a 40 Amp overcurrent protective device

Installations in outdoor locations must demonstrate that the parked vehicle and all components of the EV charging station will NOT be in the Public Right of Way (i.e. on or over the sidewalk) unless otherwise approved by the Department of Public Works.

Code Requirements

Installation

☐ **Electric Vehicle Branch Circuit:** An outlet(s) installed for the purpose of charging electric vehicles shall be supplied by a separate branch circuit. This circuit shall have no other outlets. [CEC §210.17] Informational note: See [CEC §625.2] for the definition of *Electric Vehicle*

☐ **Disconnecting Means:** For electric vehicle supply equipment rated more than 60 amperes or more than 150 volts to ground, the disconnecting means shall be provided and installed in a readily accessible location. The disconnecting means shall be lockable in the open position in accordance with [CEC §110.25]. [CEC §625.42]

Last Revised 07/05/19

Electric Vehicle Charging Equipment

- ☐ **General:** All electrical equipment and wiring shall be installed in accordance with article 625, except as noted in 511.10(B)(2) and (B)(3). Flexible cords shall be of a type identified for extra-hard usage. [CEC §511.10(B)(1)]
- ☐ **Connector Location:** No connector shall be located within a Class I location as defined in 511.3. [CEC §511.10(B)(2)]
- ☐ **Plug Connections to Vehicles:** Where the cord is suspended from overhead, it shall be arranged so that the lowest point of sag is at least 150mm (6 in.) above the floor. Where an automatic arrangement is provided to pull both cord and plug beyond the range of physical damage, no additional connector shall be required in the cable or at the outlet. [CEC §511.10(B)(3)]

Additional:

I certify that I have read and acknowledged all of the Code Requirements noted above. I accept full responsibility for complying with all of the above requirements, as applicable to my project. I further agree that if I fail to comply with the code requirements, due to error or omission, I will correct all deficiencies prior to final inspection.

Name	Signature	Date

Check One: ☐ Contractor ☐ Owner ☐ Owner's Agent