



Electric Vehicle (E.V.) Charger Checklist

Minimum Plan Submittal

- Electrical floor plan drawing detailing EV charger location and electrical panel location, including conduit and wire size.
- Electrical riser diagram and load calculations for electrical service and the panel EV charger is to be connected to.
- Provide manufacturers submittals for EV charger.

Additionally for Commercial Only:

- Charging station(s) need to have emergency shut-off capabilities located within the vicinity of the charging station(s). The contractor needs to install a Knox Box Remote Power Box (model: KLS4505) for emergency shut off of charging station(s). The contractor will install a Knox Box Power Box (model: KLS-4505).
- Signage will be installed on the switchboard indicating the section the main breaker is in and that it functions as the emergency disconnect.
- The breakers in the switchboard are equipped with a locking means that remain in place with or without a lock installed that meets the requirement of NEC 625.42.
- Provide bollard protection for the new electrical transformer and equipment.
- Provide one master manual shutdown shunt for all the dispensers and identify location of master manual shutdown on the site plan.

2023 Florida Building Code, Building 406.1.7 Electric vehicle charging stations.

Where provided, electric vehicle charging stations shall be installed in accordance with NFPA 70. Electric vehicle charging system equipment shall be listed and labeled in accordance with UL 2202. Electric vehicle supply equipment shall be listed and labeled in accordance with UL 2594. Accessibility to electric vehicle charging stations shall be provided in accordance with Chapter 11 FBC-B.