



BUILDING DEPARTMENT

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# Electric Vehicle Supply Equipment/Charger Inspection Checklist for the City of South Bend/St. Joseph County Building Department

## MINIMUM ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) REQUIREMENTS

- Specifications of EVSE match the approved plans:
  - o Maximum kW rating
  - o Voltage
  - o Ampacity
  - o Manufacturer
  - o NEMA enclosure type (indoor/outdoor)
- EVSE installed according to manufacturer's installation instructions
- EVSE is suitable for the environment in which it is installed (indoor and outdoor)
- EVSE has a Nationally Recognized Testing Laboratory (NRTL) approved listing mark (UL 2202/UL 2594)
- If EVSE with adjustable amperage setting is installed, equipment is fixed in place and adjusting means is accessible by qualified personnel with the use of a tool or password protected commissioning software

## LOCATION AND EVSE INSTALLATION REQUIREMENTS

- EVSE installation location matches approved floor plan
- Permanently installed EVSE are located at a height of:
  - o Indoor location: 1.5 feet or more above floor level
  - o Outdoor location: 2 feet or more above grade level
- Charging cord meets one of the following:
  - o Does not exceed 25 feet in length
  - o Is equipped with a cable management system that is part of the EVSE
- Charging cord length reaches the vehicle's charging inlet without excessive slack
- The EVSE is protected from vehicular impact through one of the following:
  - o Installation in a location not subject to vehicular impact such as a side wall or 4 feet or more above floor level;
  - o Wheel barriers;
  - o Bollards; or
  - o Other approved barrier



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### ELECTRICAL REQUIREMENTS

- For EVSE and 240V outlets installations, electrical service rating is greater than or equal to the electrical service load
- Overcurrent protection are the type and rating according to the approved plan
- For EVSE rated greater than 60 amperes or 150 volts, a disconnecting means is able to be locked in the open position and is located in an easily accessible location not protected by locked doors or other obstructions
- Circuits serving EVSE do not serve any other end uses
- Circuit conductors are the type and size according to the approved plan
- All electrical materials, devices, fittings, and associated equipment are listed and labeled
- Underground conduit meet minimum depth requirements according to the approved plan. Insulated conductors and cables are suitable for use in wet locations and protected from physical damage
- Portable and fastened-in-place EVSE are connected to the wiring system according to the approved plans
- Fixed EVSE are permanently wired and fixed in place to the supporting surface
- Receptacles have GFCI protection
- All receptacles installed in a wet location for EV charging have a weatherproof enclosure with the attachment plug cap inserted or removed. If an outlet box hood is installed, it is extra duty



**ST. JOSEPH COUNTY**

**CITY OF SOUTH BEND**



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