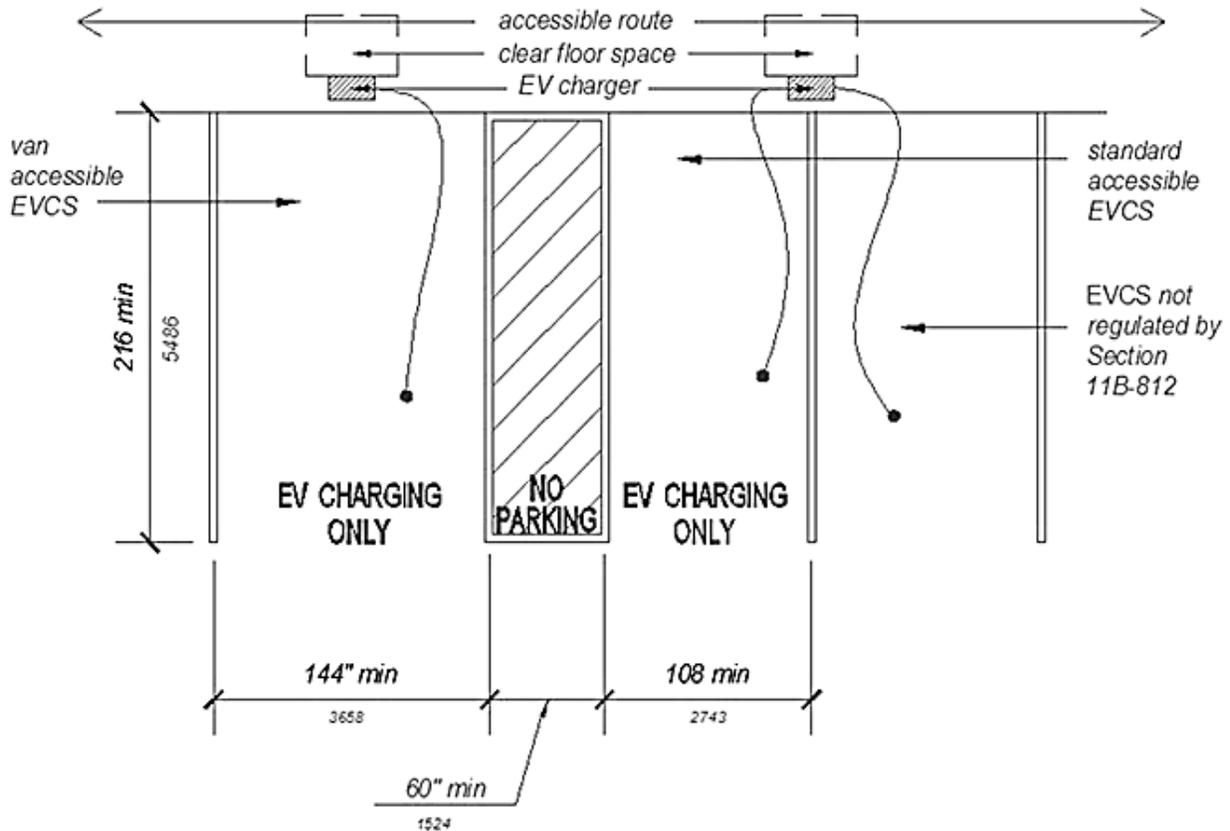


ELECTRIC VEHICLE CHARGING STATIONS FOR PUBLIC & COMMON USE



DRIVE-UP ELECTRIC VEHICLE CHARGING STATION. An electric vehicle charging station in which use is limited to 30 minutes maximum and is provided at a location where the electric vehicle approaches in the forward direction, stops in the vehicle space, charges the vehicle, and proceeds forward to depart the vehicle space. The arrangement of a drive-up electric vehicle charger and its associated vehicle space is similar to a gasoline filling station island.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For the purpose of the code, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE (EV) CHARGER. Off-board charging equipment used to charge an electric vehicle.

ELECTRIC VEHICLE CHARGING SPACE (EV Space). A space intended for charging electric vehicles.

ELECTRIC VEHICLE CHARGING STATION (EVCS). One or more electric vehicle charging spaces served by and electric vehicle charger or other charging equipment. Where a multiport electric vehicle charger can simultaneously charge more than one vehicle, the number of electric vehicle charging stations shall be considered equivalent to the number of electric vehicles that can be simultaneously charged.

ELECTRIC VEHICLE (EV) CONNECTOR. A device that, when electrically coupled (conductive or inductive) to an electric vehicle inlet, establishes an electrical connection to the electric vehicle for the purpose of power transfer and information exchange. This device is part of the electric vehicle coupler.

11B-228.3 Electric vehicle charging stations

Where electric vehicle charging stations (EVCS) are provided, EVCS shall be provided in accordance with Section 11B-228.3. Where EVCS are provided in more than one facility on a site, the number of EVCS complying provided on the site shall be calculated according to the number required for each facility. Where an EV charger can simultaneously charge more than one vehicle, the number of EV chargers provided shall be considered equivalent to the number of electric vehicles that can be simultaneously charged.

TABLE 11B-228.3.2.1
ELECTRIC VEHICLE CHARGING STATIONS FOR
PUBLIC USE AND COMMON USE

Total Number of EVCS at a Facility¹	Minimum Number (by type) of EVCS Required to Comply with Section 11B-812¹		
	Van Accessible	Standard Accessible	Ambulatory
<i>1 to 4</i>	<i>1</i>	<i>0</i>	<i>0</i>
<i>5 to 25</i>	<i>1</i>	<i>1</i>	<i>0</i>
<i>26 to 50</i>	<i>1</i>	<i>1</i>	<i>1</i>
<i>51 to 75</i>	<i>1</i>	<i>2</i>	<i>2</i>
<i>76 to 100</i>	<i>1</i>	<i>3</i>	<i>3</i>
<i>101 and over</i>	<i>1, plus 1 for each 300, or fraction thereof, over 100</i>	<i>3, plus 1 for each 60, or fraction thereof, over 100</i>	<i>3, plus 1 for each 50, or fraction thereof, over 100</i>

11B-812 Electric vehicle charging stations

Where vehicle spaces and access aisles are marked with lines, measurements shall be made from the centerline of the markings. Operable parts shall be within reach ranges and changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted in vehicle spaces and access aisles. Vehicle spaces, access aisles serving them, and vehicular routes serving them shall provide a vertical clearance of 98 inches minimum.

EVCS that serve a particular building or facility shall be located on an accessible route to an entrance. Where EVCS do not serve a particular building or facility, EVCS shall be located on an accessible route to an accessible pedestrian entrance of the EV charging facility. An accessible route shall be provided between the vehicle space and the EV charger which serves it.

Vehicle spaces access aisles shall be designed so that when the vehicle space is occupied the required clear width of adjacent accessible routes is not obstructed. A curb, wheel stop, bollards, or other barrier shall be provided if required to prevent encroachment of vehicles over the required clear width of adjacent accessible routes.

Access aisles shall be designed so that persons using them are not required to travel behind vehicle spaces or parking spaces other than the vehicle space in which their vehicle has been left to charge. EV chargers shall be adjacent to, and within the projected width of the vehicle space being served.

11B-812.6 Vehicle spaces. Vehicle spaces serving van accessible, standard accessible, ambulatory and drive-up EVCS shall be 216 inches long minimum and shall comply with Sections 11B-812.6.1 through 11B-812.6.4 as applicable. All vehicle spaces shall be marked to define their width.

11B-812.6.1 Van accessible. Vehicle spaces serving van accessible EVCS shall be 144 inches wide minimum and shall have an adjacent access aisle.

11B-812.6.2 Standard accessible. Vehicle spaces serving standard accessible EVCS shall be 108 inches wide minimum and shall have an adjacent access aisle.

11B-812.6.3 Ambulatory. Vehicle space serving ambulatory EVCS shall be 120 inches wide minimum and shall not be required to have an adjacent access aisle.

11B-812.6.4 Drive-up. Vehicle spaces serving drive-up EVCS shall be 204 inches wide minimum and shall not be required to have an adjacent access aisle.

Access aisles shall adjoin and accessible route. Two Vehicle spaces shall be permitted and share a common access aisle. Access aisles shall be 60 inches (1524 mm) wide minimum and shall extend the full required length of the vehicle spaces they serve.

EVCS identification signs shall be provided in compliances with Section 11B-812.8.

11B-812.8.1 Four or fewer. Where four or fewer total EVCS are provided, identification with an International Symbol of Accessibility (ISA) shall not be required.

11B-812.8.2 Five to twenty-five. Where five to twenty-five total EVCS are provided, one van accessible EVCS shall be identified by an ISA. The required standard accessible EVCS shall not be required to be identified with an ISA.

11B-812.8.3 Twenty-six or more. Where twenty-six or more total EVCS are provided, all required van accessible and all required standard accessible EVCS shall be identified by an ISA.

11B-812.8.4 Ambulatory. Ambulatory EVCS shall not be required to be identified by an ISA.

11B-812.8.5 Drive-up. Drive-up EVCS shall not be required to be identified by an ISA.

11B-812.8.6 Finish and sale. Identification signs shall be reflectorized with minimum area of 70 square inches.

Required identification signs shall be visible from the EVCS it serves. Signs identifying van accessible vehicle spaces shall contain the designation "van accessible." Signs shall be 60 inches minimum above the finish floor or ground surface measured to the bottom of the sign.

Signs located within a circulation path shall be 80 inches minimum above the floor or ground surface measured to the bottom of the sign. Signs may also permanently posted on a wall at the interior end of the vehicle space.

EVCS vehicle spaces shall provide surface marking stating "EV CHARGING ONLY" in letters 12 inches high minimum. The centerline of the text shall be a maximum of 6 inches from the centerline of the vehicle space and its lower corner at, or lower side aligned with, the end of the parking space length.