



Electrical Vehicle Charging Stations

General:

-EVCS not available to general public shall not be required to be accessible or to comply with Table 11B-228.3.2.1.

-Where EVCS provided for public use or common use, new EVCS shall be provided in accordance with Table 11B-228.3.2.1.

Provide a fully dimensioned site plan to include the following information:

- Total number of existing and new parking spaces, number of accessible parking spaces including standard and van accessible parking spaces.

-Total number of existing EVCS.

-Total number of new EVCS per CGBSC Table 5.106.5.3.3.

-For EVCS provided for public use or common use:

-identify stalls as standard accessible, van accessible and ambulatory stalls in accordance with Table 11B-228.3.2.1.

- Proposed location of EV charger, accessible path of travel from the parking space to the EV charger and working space location for the EV charger. (2016 CBC 11B-812.10 and CEC 110.26)

- Proposed location of accessible path from accessible EV Charger stalls to building.

- EV Charging stations shall be such that accessible route is not obstructed by cables or other elements.

-Proposed location of EV Chargers and connector mounting height. Connectors shall be mounted between 36" and 48" from ground unless otherwise indicated by the manufacturer. (CEC 625.29)

- If EV chargers will be subject to damage a protective bollard, wheel stop, or equivalent shall be installed (CEC 110.27)

EV Charging Space requirements:

- Standard stall (non-accessible) shall be 9'x18' or per city zoning ordinance.

- Standard accessible EV charging space shall be 9' x 18' with an adjacent minimum 5 feet wide access aisle on either side.

- Van accessible EV charging space shall be 12' x 18' with an adjacent minimum 5 feet wide access aisle on passenger side.
- Ambulatory EV charging space shall be 10' x 18' and shall not be required to have adjacent access aisle. Ambulatory EVCS applies when 26 or more EVCS's are installed.
- The words "No Parking" in white lettering shall be painted within each access aisle in letters a minimum of 12 inches in height. (See Figure 3)
- The access aisle shall be marked with a painted borderline around the perimeter in green. The area within the borderline shall be marked with hatched lines maximum of 36 inches on center in green. (See Figure 3)
- All EV Charging Spaces regardless of standard, standard accessible or van accessible shall have green striping and provide surface markings stating "EV CHARGING ONLY" in green. (See Figure 3)

EV identification sign requirements 2016 CBC 11B 812.8:

- All EV Charging stations shall be identified by signage as depicted in Figure 1. The symbol of EV charging equipment and the letters "ELECTRIC VEHICLE CHARGING STATION" shall be in green on white background. A green border shall encompass the white background.
- All van accessible EV Charging Stations shall be identified as depicted in Figure 2. The International Symbol of Accessibility and letters "Van Accessible" shall be green on white background. A green border shall encompass the white background.

Accessibility signage shall be required as follows:

- Four or fewer EV Charging Spaces provided, accessibility symbol (ISA) is not required.
- Five to twenty-five EV Charging Spaces provided, accessibility symbol is required only in the van accessible space.
- Twenty-six or more EV Charging Spaces provided, accessibility symbol is required for all van accessible and standard accessible spaces.
- The accessible sign shall be located 60 inches above finished floor, measured to the bottom of the sign, or 80 inches above finished floor to the bottom of the sign when located within accessible route.

Points to know from frequently asked Questions:

- An EV Charging Station cannot be installed in an accessible van or standard accessible parking space with blue striping even if the accessible stall is an extra voluntary stall beyond that required in CBC Chapter 11B.

- Overlapping use of EV Charging Spaces and accessible spaces are not allowed. EVCS's are first come, first served and accessible spaces are for exclusive use by disabled persons with blue placards.

- A disabled person with a blue placard may not park in an accessible EV Charging Space unless their vehicle is EV Capable and using the charger. They may be ticketed.

- The property owners may post time limits on EV Charging Station usage and enforce it; however, a disabled person with a blue placard AND an Electric Vehicle may not be towed or ticketed for exceeding the time limit.

- If an EV Charging Space is directly adjacent to an accessible space, a double line will be required; one blue and one green. The required space dimension can be measured to the center of the two lines.

Required Signage at EV Charging Spaces



Figure 1

Required Signage Where Applicable at Van Accessible EV Charging Spaces



Figure 2

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EV Charging Space Calculation Table

TABLE 5.106.5.3.3

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 and over	6 percent of total ¹

1. Calculation for spaces shall be rounded up to the nearest whole number.

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TABLE 11B-228.3.2.1

ELECTRIC VEHICLE CHARGING STATIONS FOR PUBLIC USE AND COMMON USE

TOTAL NUMBER OF EVCS AT A FACILITY ¹	MINIMUM NUMBER (by type) OF EVCS REQUIRED TO COMPLY WITH SECTION 11B-812 ¹		
	Van Accessible	Standard Accessible	Ambulatory
1 to 4	1	0	0
5 to 25	1	1	0
26 to 50	1	1	1
51 to 75	1	2	2
76 to 100	1	3	3
101 and over	1, plus 1 for each 300, or fraction thereof, over 100	3, plus 1 for each 60, or fraction thereof, over 100	3, plus 1 for each 50, or fraction thereof, over 100

1. Where an EV charger can simultaneously charge more than one vehicle, the number of EVCS provided shall be considered equivalent to the number of electric vehicles that can be simultaneously charged.

Surface Marking for EV Charging Spaces

Per Figure 11B-812.9

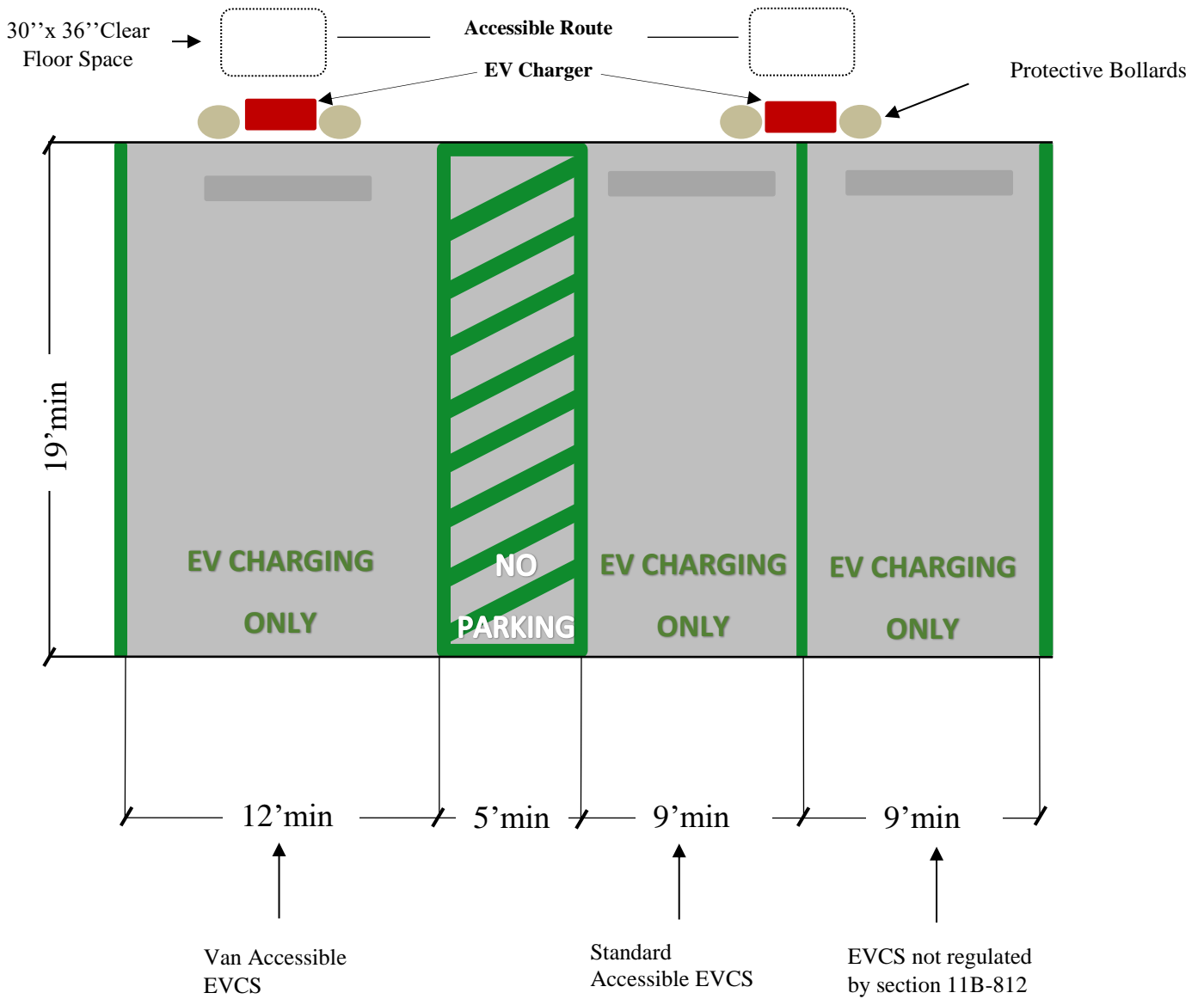


Figure 3