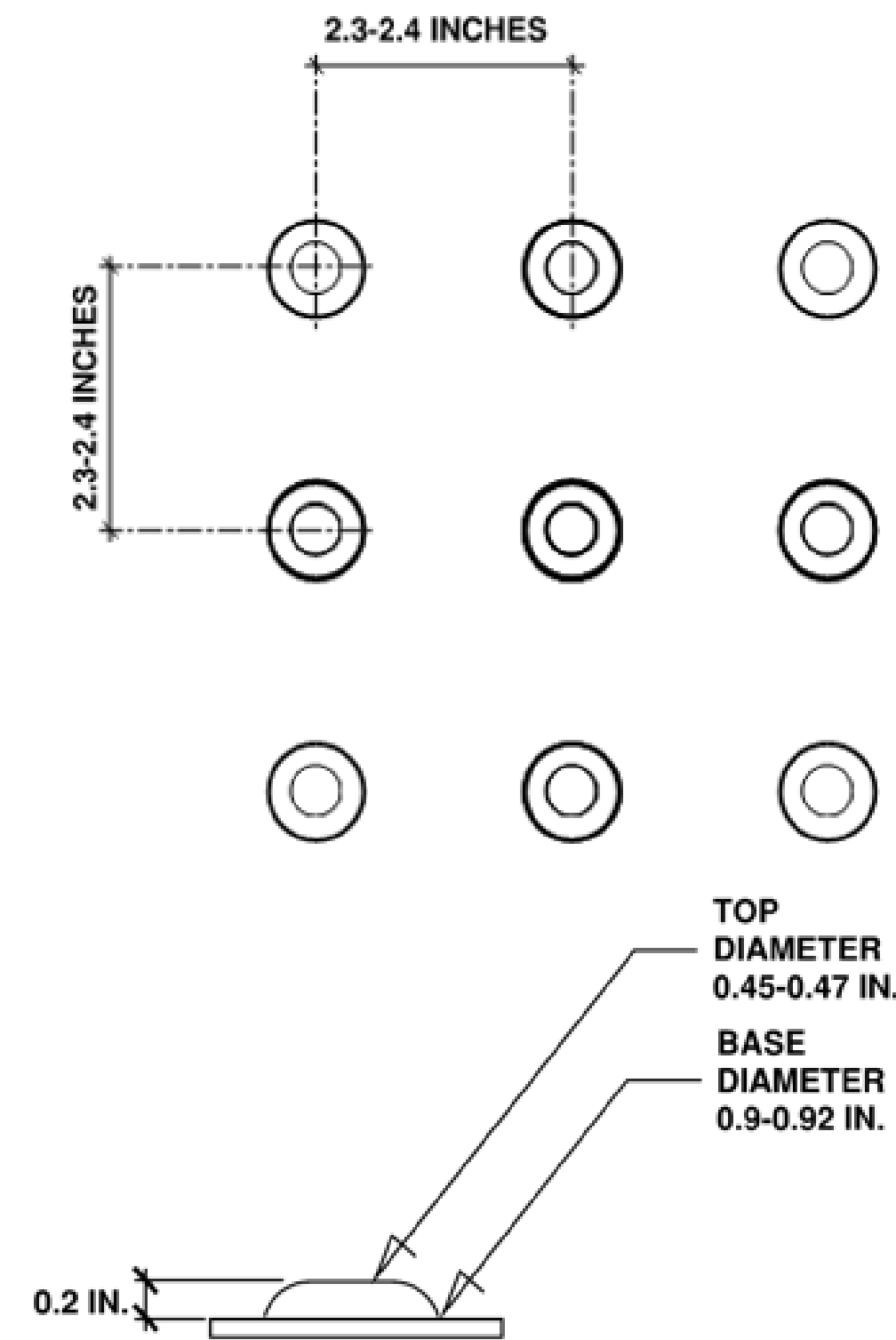


- 2) In existing parallel curb ramps, the 36-inch wide portion that is without detectable warnings is not required.
 - 3) Where the 108-inch wide turning space is technically infeasible, the depth of the depth of the detectable warnings may be reduced to 24-inches.
8. **Islands or Cut-Through Medians** [CBC 11B-705.1.2.3]. Except where a 96-inch wide cut-through median cannot be installed, 36-inch wide detectable warnings that extends the full width of the pedestrian path less 2-inches in each side separated by a minimum 24-inch walking surface without detectable warnings shall be provided at pedestrian islands or cut-through medians. Where medians are less than 96-inches wide, detectable warnings may be 24-inches wide.
9. **Blended Transitions (Zero-Curb)** [CBC 11B-705.1.2.5]. At blended transitions (zero curb) 36-inch wide detectable warnings shall be provided along the edge of the blended transition.
10. **Reflecting Pools** [CBC 11B-247.1.2.6]. The edges of reflecting pools shall be shown protected by barriers, warning curbs in compliance with CBC 11B-303.5 or by minimum 24-inch/maximum 36-inch wide detectable warnings in compliance with CBC 11B-705.1.2.6.

B. Detectable Warnings (General) [CBC 11B-247 and 11B-705].

1. **General Scoping** [CBC 11B-247.1.2]. Detectable Warnings in compliance with CBC 11B-705 shall be provided at curb ramps, island and cut-through medians, blended transitions and at reflecting pools.
2. **Dome Size** [CBC 11B-705.1.1.1]. Truncated domes for detectable warning surfaces shall have a base diameter or 0.9 inch minimum to 0.92 inch maximum, a top diameter of 0.45 inch minimum and 0.47 inch maximum, and a height of 0.2 inch.
3. **Layout and Dome Spacing** [CBC 11B-705.1.1.2]. Except for domes in a radial pattern, domes for detectable warnings shall be laid in a square grid pattern with a center-to-center spacing of 2.3 inches minimum to 2.4 inches maximum. The base-to-base spacing of the domes shall be at least 0.65 inch. In a radial pattern the center-to-center spacing of the domes shall be 1,6 inches minimum and 2.4 inches maximum.
4. **Color and Contrast** [CBC 11B-705.1.1.3]. Except for existing detectable warnings at curb ramps, islands, or cut-through medians that comply with the contrast provisions of CBC 11B-705.1.1.3.2, or where less than 20 percent of the existing detectable warnings are replaced in kind with the code complying detectable warnings that comply with the code requirements at the time of the initial installation, detectable warnings shall be a yellow color that approximates SAE AMS-STD-595A 33538 that contrasts with the background.
5. **Resiliency** [CBC 11B-705.1.1.4]. Except for detectable warnings at curb ramps, islands, or cut-through medians, besides a contrasting color, detectable warnings shall also contrast in sound or resiliency. Detectable warnings at curb ramps, islands, and at cut-through medians are not required to comply with the sound or resiliency provisions of CBC 11B-705.1.1.4.

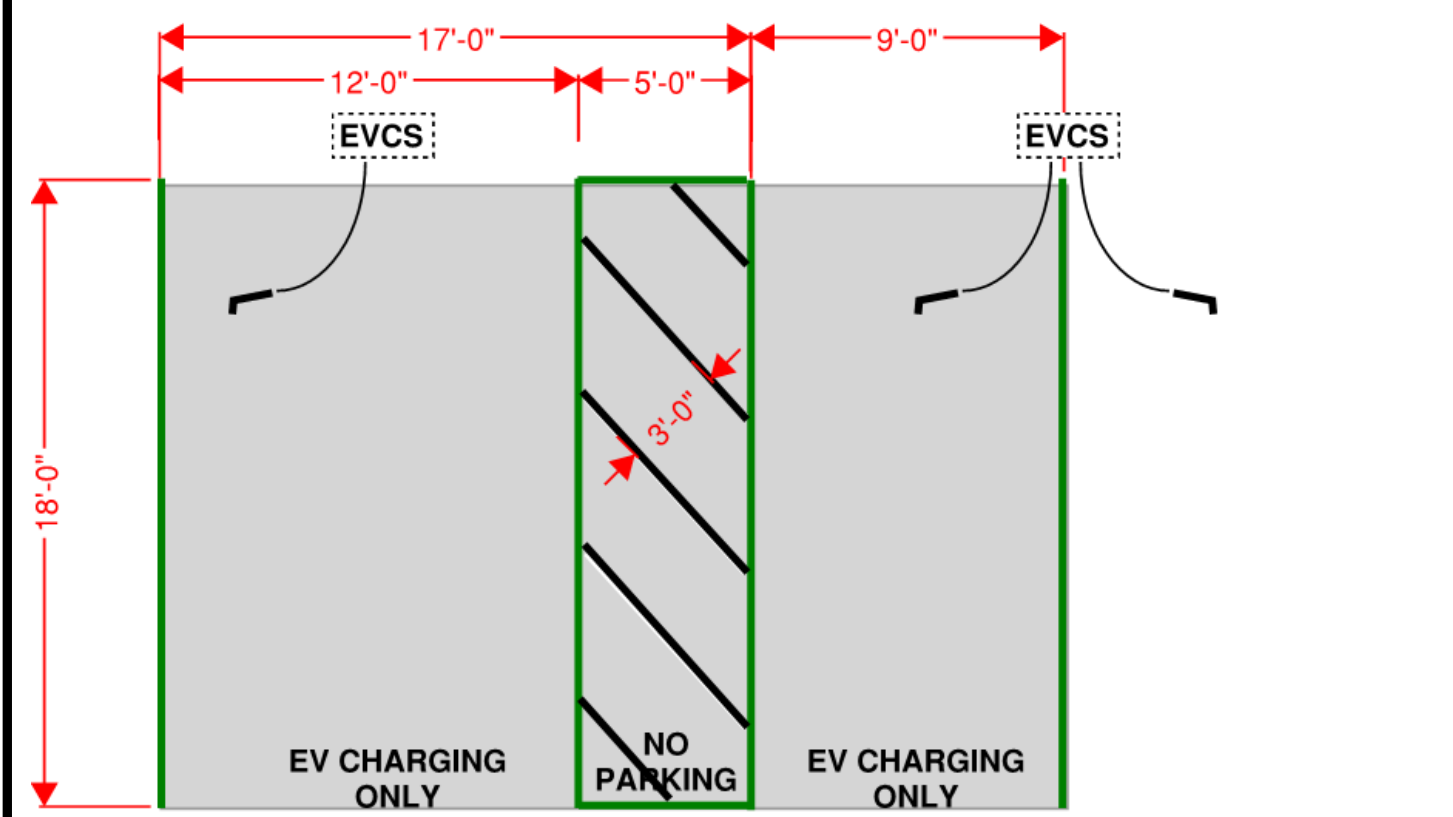


7b. One Entrance/Exit.

- 1) Where the turning space at the bottom of the curb ramp has only one entrance/exit point other than the ramp(s), except for existing parallel curb ramps or where technically infeasible, the turning space shall be of adequate width to accommodate a 36-inch wide detectable warning, plus a minimum 36-inch wide portion without detectable warning to allow travel in the direction of the ramp run without requiring travel over the detectable warning.
- 2) In existing parallel curb ramps, the 36-inch wide portion that is without detectable warnings is not required.
- 3) Where the 72-inch wide turning space is technically infeasible, the depth of the depth of the detectable warnings may be reduced to 24-inches.

7c. Two Entrances/Exits.

- 1) Where the turning space at the bottom of the curb ramp has two entrances/exits point other than the ramp(s), except for existing parallel curb ramps or where technically infeasible, the turning space shall be of adequate width to accommodate two 36-inch wide detectable warning strips (one on each side), plus a minimum 36-inch wide portion without detectable warning to allow travel in the direction of the ramp run without requiring travel over the detectable warning.



8) Van and Standard Accessible Spaces and Adjacent Access Aisles [CBC 11B-812.6 and 11B-812.7].

- a) **Lengths.** The lengths of van and standard accessible spaces shall be shown as 216-inches (18-feet).
 - b) **Width.** Van accessible spaces shall be shown 144 inches (12-feet) wide and standard accessible spaces shall be shown 108 inches (9-feet) wide.
 - c) **Adjacent Access Aisles** [CBC 11B-812.7]. Van and standard accessible EV charging spaces shall have adjacent minimum 60-inch (5-feet) wide access aisles that adjoin an accessible route as required by CBC 11B-812.7 that extend the full length of the EV charging space that they serve. Access aisles shall not overlap vehicular ways. Access aisles that serve van accessible spaces shall be located on the passenger side of the space. Access aisles serving standard accessible spaces may be on either side.
 - d) **Marking of Access Aisles** [CBC 11B-817.7.2 and 11B-817.3]. Borders of access aisles adjacent to van and standard accessible EV charging spaces shall be painted and the area within the borders shall be marked with hatched lines spaced a maximum 36-inches o.c. Access aisles shall also have the words "NO PARKING" clearly visible from the adjacent vehicular way and at least 12-inches in height. The color or the borderlines, the hatched lines within the border, and the letters shall contrast with the background, however the blue color reserved for the border of accessible parking spaces and the adjacent access aisle SHALL NOT BE USED.
- 9) **Ambulatory Charging Spaces.** Ambulatory charging spaces shall be shown at least 216 inches (18-feet) in length and 120 inches (10-foot) wide. Ambulatory spaces need not have an adjacent access aisle.
- 10) **Drive-Up.** Drive-up EV charging spaces similar to a motor fuel pump island at filling stations shall be shown at least 216 inches (18-feet) in length and 204 inches (17-feet) wide.
- 11) **Identification Signage** [CBC 11B-812.8].

- a) **General.** Signage at EV charging spaces shall be shown in compliance with CBC 11B-812.8. Where required, reflectorized identification signs that are at least 70 square inches shall be permanently posted either immediately adjacent to the charging space or at the head end of the space within the width of the space. The bottom of signs shall be at least 60-inches above the ground surface and 80-inches where within a circulation path.
- b) **Four or Fewer EV Charging Spaces.** Where four or fewer EV charging spaces are provided, signage with an International Symbol of Accessibility (ISA) and a sign that identifies the van accessible space is not required.
- c) **Five to Twenty-Five EV Charging Spaces.** Where five to twenty-five EV charging spaces provided, the required van accessible space shall be identified with the ISA that complies with CBC 11B-703.7.2.1. The required standard accessible need not have an ISA identification signage.
- d) **Twenty Six or More EV Charging Spaces.** Where twenty-six or more EV charging spaces are provided, all required van accessible and standard accessible EV charging space shall be identified with an ISA identification signage.
- e) **Ambulatory and Drive-Up** EV charging spaces need not be identified with an ISA signage.

8. EV Charging Stations (EVCS) [CBC 11B-228.3].

8a. Scoping

- 1) **General** [CBC 11B-228.3.1]. EV charging stations (EVCS) shall be shown in compliance with CBC 11B-228.3.
- 2) **Existing Facilities** [CBC 11B-228.3.1.1]. Where new EVCS are added to a facility with existing EVCS, the requirements of the CBC 11B-812 shall only apply to the proposed new EVCS installations. Alterations to existing EVCS shall be shown to comply with the provisions of CBC 11B-228.3.
- 3) **Operable Parts** [CBC 11B-228.3.1.1]. Where EV chargers are provided, the operable parts shall be shown in compliance with provisions of CBC 11B-309.
- 4) **Accessible Spaces in Compliance with CBC 11B-812.** Where new EVCS are to be installed (including future spaces) and where EVCS are altered, accessible spaces that complies with CBC 11B-812 shall be shown in compliance with the provisions of CBC Table 11B-228.3.2.1.

CBC Table 11B-228.3.2.1 REQUIREMENTS FOR ACCESSIBLE EV CHARGING SPACES FOR PUBLIC AND COMMON USE			
TOTAL NUMBER OF EV CHARGING SPACES	MINIMUM NUMBER OF EV CHARGING SPACES TO COMPLY WITH CBC 11B-812		
	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

8b. EV Charging Spaces [CBC 11B-812]. EV charging spaces required by CBC Table 11B-228.3.1 shall be shown as follows—

- 1) **Widths of Vehicle Spaces and Adjacent Access Aisles** [CBC 11B-812.1]. Except where there is no adjacent parking space or access aisle, the required widths of vehicle spaces and adjacent access aisles shall be shown measured from the center of the border lines.
- 2) **Operable Parts** [CBC 11B-812.2]. Operable parts of the EV chargers shall be shown in compliance with CBC 11B-309.
- 3) **Ground Surfaces** [CBC 11B-812.3]. Ground surfaces of the EV charging spaces, and the adjacent access aisles shall be shown relatively flat with slopes not to exceed 2-percent (1v:48h) in any direction.
- 4) **Vertical Clearance of EV Charging Spaces** [CBC 11B-812.4]. Accessible vehicle spaces, the adjacent access aisles and the vehicular routes serving them shall be shown with a minimum height clearance of 98-inches (8'-2").
- 5) **Surface Marking** [CBC 11B-812.9]. Surfaces of EV charging spaces in compliance with CBC 11B-812 shall be marked "EV CHARGING ONLY" in letters that are at 12-inches in height. The center of the text shall be within 6-inches of the centerline of the charging space.
- 6) **Electric Vehicle Chargers** [CBC 11B-812.10]. Electric vehicle chargers shall comply with the provisions of CBC 11B-812.10.
- 7) **Accessible Routes** [CBC 11B-812.5].
 - a) Accessible routes for EV charging spaces shall be shown in compliance with CBC 11B-812.5. The EV charging spaces in compliance with CBC 11B-812 shall be shown on accessible routes complying with CBC 11B-402 to the building(s) or facility or facilities served. And the EV charger shall be shown on an accessible route with the EV charging space served without obstructions by cables or other elements.
 - b) Where applicable, a curb, wheelstop, bollard or other barriers shall be provided to prevent the encroachment of vehicles into the clear width of accessible routes.
 - c) **Arrangement** [CBC 11B-812.5.4]. Except for ambulatory EV charging spaces, and for existing facilities as provided for CBC 11B-812.5.4, Exception 2, EV charging spaces shall be arranged so that individuals using them are not required to travel behind spaces other than the one in which their vehicle has been left to charge.

**SITE ARRIVAL
POINTS &
DETECTABLE
WARNINGS**

DATE