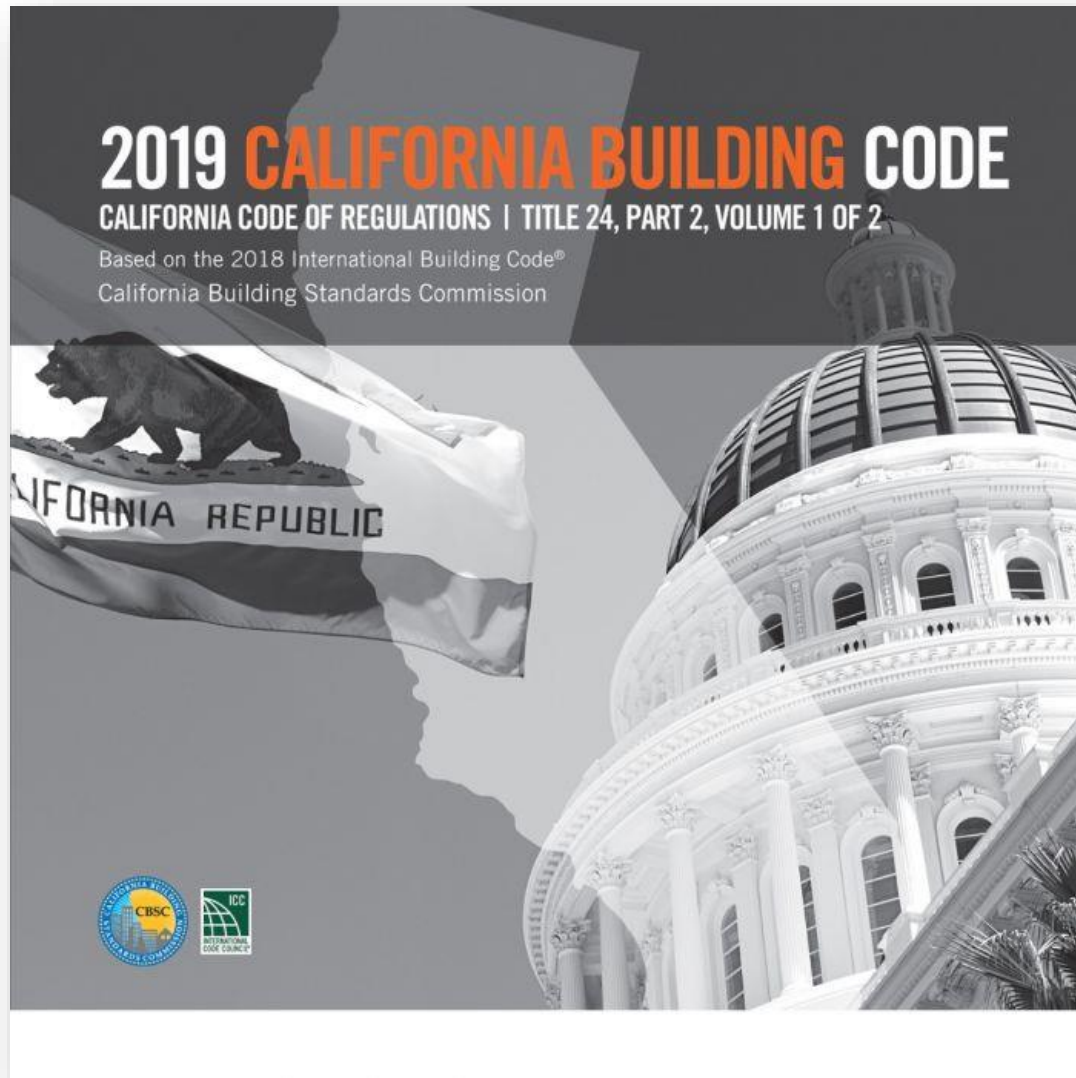


AMENDMENTS TO THE 2019
EDITION OF THE
CALIFORNIA BUILDING CODE IN
THE INTERVENING CODE CYCLE
CHAPTERS 2 AND IIB
PART TWO

Amendments to Chapters 2 & IIB in the Intervening Code Cycle



ACTION TAKEN BY THE BUILDING STANDARDS COMMISSION

The California Building Standards Commission held a meeting on July 13, 14 and 15 and August 13 and 14.

The code change proposals included in this presentation were approved by the Commission during those meetings.

The approved amendments will be printed on January 1, 2021 and will become effective on July 1, 2021.

In advance of the code publication DSA will post on the website the revised edition of the “**California Access Compliance Advisory Reference Manual**” *that will include the approved amendments.*



ELECTRIC VEHICLE CHARGING

AMENDED
SECTION
11B-208.1
GENERAL

11B-208.1 General. Where parking spaces are provided, parking spaces shall be provided in accordance with Section 11B-208. For the purposes of this section, electric vehicle charging stations are not parking spaces; see Section 11B-228.

Exceptions:

1. Parking spaces used exclusively for buses, trucks, other delivery vehicles, or vehicular impound shall not be required to comply with Section 11B-208 provided that lots accessed by the public are provided with a passenger *drop-off and* loading zone complying with Section 11B-503.

2. In public housing facilities, electric vehicle chargers are permitted to be installed at an accessible parking space assigned to the resident.

AMENDED
SECTION
I I B-228.3.2
MINIMUM
NUMBER

I I B-228.3.2 Minimum number. EVCS complying with Section I I B-812 shall be provided in accordance with Section I I B-228.3.2 for each combination of charging level and EV connector type integral to the EV charger. Each combination of charging level such as (AC Level 1, AC Level 2, DC Fast Charge) and EV connector type shall be considered as a facility. Where EVCS are provided in more than one facility on a site, the number of EVCS complying with Section I I B-228.3.2 provided on the site shall be calculated according to the number required for each facility. In public housing facilities, EVCS provided for common use of residents shall comply with Section I I B-228.3.2. 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.

AMENDED
SECTION
I I B-228.3.2
MINIMUM
NUMBER

Exceptions:

1. *EVCS not available to the general public and intended for use by a designated vehicle or driver shall not be required to comply with Section I I B-228.3.2. Examples include, but are not limited to, EVCS serving public or private fleet vehicles and EVCS assigned to an employee.*
2. *In public housing facilities, EVCS intended for use by an EV owner or operator at their residence shall not be required to comply with Section I I B-228.3.2.*

Note: *Electric vehicle charging provided in newly constructed facilities are also subject to the California Green Building Standards Code.*

AMENDED
SECTION
11B-502.3
ACCESS AISLE

11B-502.3 Access aisle. Access aisles serving parking spaces shall comply with *Section 11B-502.3*. Access aisles shall adjoin an accessible route. Two parking spaces or one parking space and one electric vehicle charging space shall be permitted to share a common access aisle.

AMENDED
SECTION
I I B-8 I 2.7
ACCESS AISLE

I I B-8 I 2.7 Access aisle. Access aisles shall adjoin an accessible route. Two vehicle spaces or one parking space and one electric vehicle charging space shall be permitted to 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.

I I B-8 I 2.7.1 Location. Access aisles at vehicle spaces shall not overlap the vehicular way and may be placed on either side of the vehicle space they serve except for van accessible spaces which shall have access aisles located on the passenger side of the vehicle spaces.

Exception: Where four or fewer total EVCS are provided within a facility, the access aisle for non-angled van accessible spaces may be located on either the driver or passenger side of the vehicle space.

AMENDED
SECTION
11B-812.7
ACCESS AISLE

11B-812.7.2 Marking. *Access aisles at vehicle spaces shall be marked with a painted borderline around their perimeter. The area within the borderlines shall be marked with hatched lines a maximum of 36 inches (914 mm) on center. The color of the borderlines, hatched lines, and letters shall contrast with that of the surface of the access aisle. The blue color required for identification of access aisles for accessible parking shall not be used. Access aisle markings may extend beyond the minimum required length.*

Exception: *Where one parking space and one electric vehicle charging space share an access aisle, access aisle marking shall comply with Section 11B-502.3.3 and shall not be required to comply with Section 11B-812.7.2.*



**DETECTABLE WARNING
CODE CHANGE PROPOSALS**



AMENDED DEFINITION

DETECTABLE WARNING. A standardized surface feature built in or applied to walking surfaces or other elements to **warn persons with visual impairments** of hazards on a circulation path.

NEW
DEFINITION
RELATED TO
DETECTABLE
WARNINGS

DRIVE AISLE. A vehicular way provided within a parking facility that connects vehicular entrances, parking stalls, electric vehicle charging stations, passenger loading zones, and vehicular exits.

NEW
DEFINITION
RELATED TO
DETECTABLE
WARNINGS

DRIVEWAY. A vehicular way providing access between a public way and a building, parking facility, or other off-street area. A driveway may provide access to drive aisles in a parking facility.

COLOR
AND
CONTRAST
CURRENT
CODE
LANGUAGE

11B-705.1.1.3 Color and contrast.
Detectable warning surfaces at transit boarding platform edges, bus stops, hazardous vehicular areas, reflecting pools, and track crossings shall comply with Section 11B-705.1.1.3.1.

Detectable warnings at other locations shall comply with either Section 11B-705.1.1.3.1 or Section 11B-705.1.1.3.2. The material used to provide visual contrast shall be an integral part of the surface.

11B-705.1.1.3.1 *Detectable warning surfaces shall be yellow and approximate FS 33538 of Federal Standard 595C.*

COLOR
AND
CONTRAST
AMENDED
CODE
LANGUAGE

11B-705.1.1.3 Color and contrast.

Detectable warning surfaces shall comply with Section 11B-705.1.1.3.1. The material used to comply with this section shall be an integral part of the detectable warning surface.

Exceptions:

Replacement of less than 20 percent of existing detectable warnings at a single contiguous location shall be permitted to be in-kind at existing curb ramps, islands, or cut-through medians with detectable warnings in compliance with the code requirements in effect at the time of installation.

Existing installed detectable warnings at curb ramps, islands, or cut-through medians may comply with Section 11B-705.1.1.3.2 in lieu of Section 11B-705.1.1.3.1.

11B-705.1.1.3.1 *Detectable warning surfaces shall be yellow and approximate 33538 of SAE AMS-STD-595A.*

LOCATIONS
WHERE
DETECTABLE
WARNINGS ARE
PROHIBITED

11B-304.2 Floor or ground surfaces. Floor or ground surfaces of a turning space shall comply with Section 11B-302. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

11B-305.2 Floor or ground surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with Section 11B-302. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

LOCATIONS
WHERE
DETECTABLE
WARNINGS ARE
PROHIBITED

11B-404.2.4.4 Floor or ground surface. Floor or ground surface within required maneuvering clearances shall comply with Section 11B-302. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

11B-405.7.1 Slope. Landings shall comply with Section 11B-302. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

LOCATIONS
WHERE
DETECTABLE
WARNINGS ARE
PROHIBITED

11B-502.4 Floor or ground surfaces.

Parking spaces and access aisles serving them shall comply with Section 11B-302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

11B-503.4 Floor or ground surfaces.

Vehicle pull-up spaces and access aisles serving them shall comply with Section 11B-302. Access aisles shall be at the same level as the vehicle pull-up space they serve. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

LOCATIONS
WHERE
DETECTABLE
WARNINGS ARE
PROHIBITED

11B-504.4 Tread surface. Stair treads shall comply with Section 11B-302.

Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

11B-802.1.1 Floor or ground surface.

The floor or ground surface of wheelchair spaces shall comply with Section 11B-302.

Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

11B-812.3 Floor or ground surfaces.

Vehicle spaces and access aisles serving them shall comply with Section 11B-302.

Access aisles shall be at the same level as the vehicle space they serve. Changes in level, slopes exceeding 1:48, and detectable warnings shall not be permitted.

CURB RAMPS

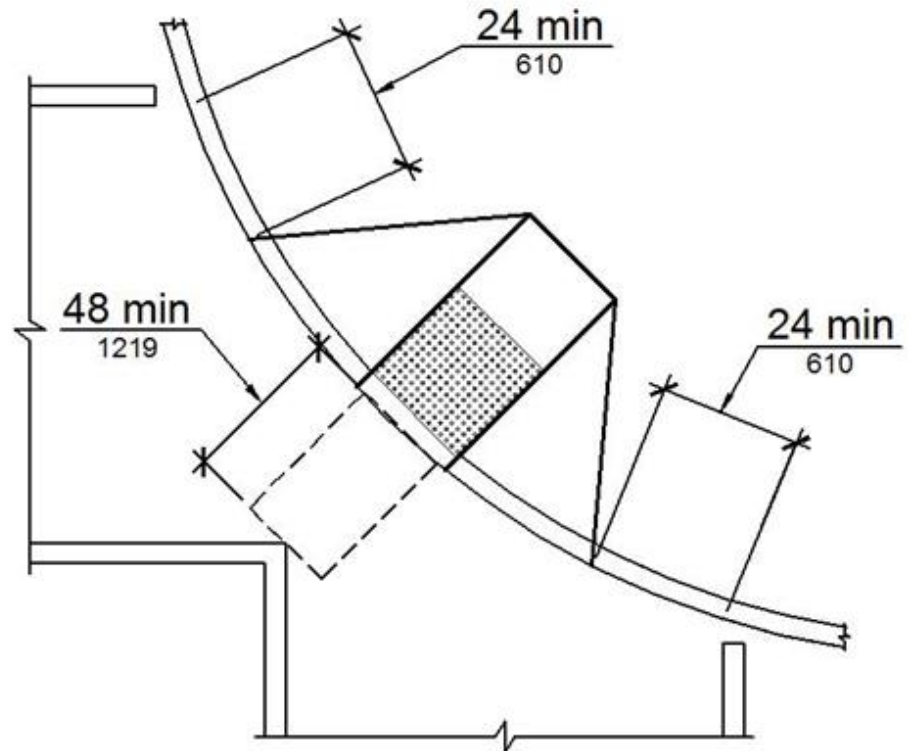
*A sloping **prepared surface**, intended for pedestrian traffic, which provides access between a walk or sidewalk and a surface located above or below an adjacent curb face.*



11B-406.5.10 Diagonal curb ramps. Diagonal or corner type curb ramps are perpendicular or parallel curb ramps that are oriented diagonally at an intersection. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.

DIAGONAL CURB RAMPS

**FIGURE
11B-406.5.10
DIAGONAL
OR CORNER
TYPE CURB
RAMPS**



PARALLEL CURB RAMPS

11B-406.3 Parallel curb ramps.

Parallel curb ramps shall comply with Sections 11B-406.3 and 11B-406.5. A parallel curb ramp may be provided with one sloping segment or two opposing sloping segments.

CURB RAMPS

11B-705.1.2.2 Curb ramps. Detectable warnings at curb ramps shall comply with Section 11B-705.1.2.2.

11B-705.1.2.2.1 Perpendicular curb ramps. Detectable warnings at perpendicular curb ramps shall extend 36 inches (914 mm) in the direction of travel. Detectable warnings shall extend the full width of the ramp run less 2 inches (51 mm) maximum on each side, excluding any flared sides. Detectable warnings shall be located so the edge nearest the curb is 6 inches (152 mm) minimum and 8 inches (203 mm) maximum from the demarcation line at the face of the curb marking the transition between the curb and the gutter, street or highway.

~~**Exception:** On parallel curb ramps, detectable warnings shall be placed on the turning space at the flush transition between the street and sidewalk.~~

CURB RAMPS

11B-705.1.2.2.2 Parallel curb ramps. Detectable warnings at parallel curb ramps shall be located so the edge nearest the curb is 6 inches (152 mm) minimum and 8 inches (203 mm) maximum from the demarcation line at the face of the curb between the curb and the gutter, street or highway. Detectable warnings shall extend the full width of the turning space at the ~~flush transition~~ demarcation between the street and the sidewalk less 2 inches (51 mm) maximum on each side.

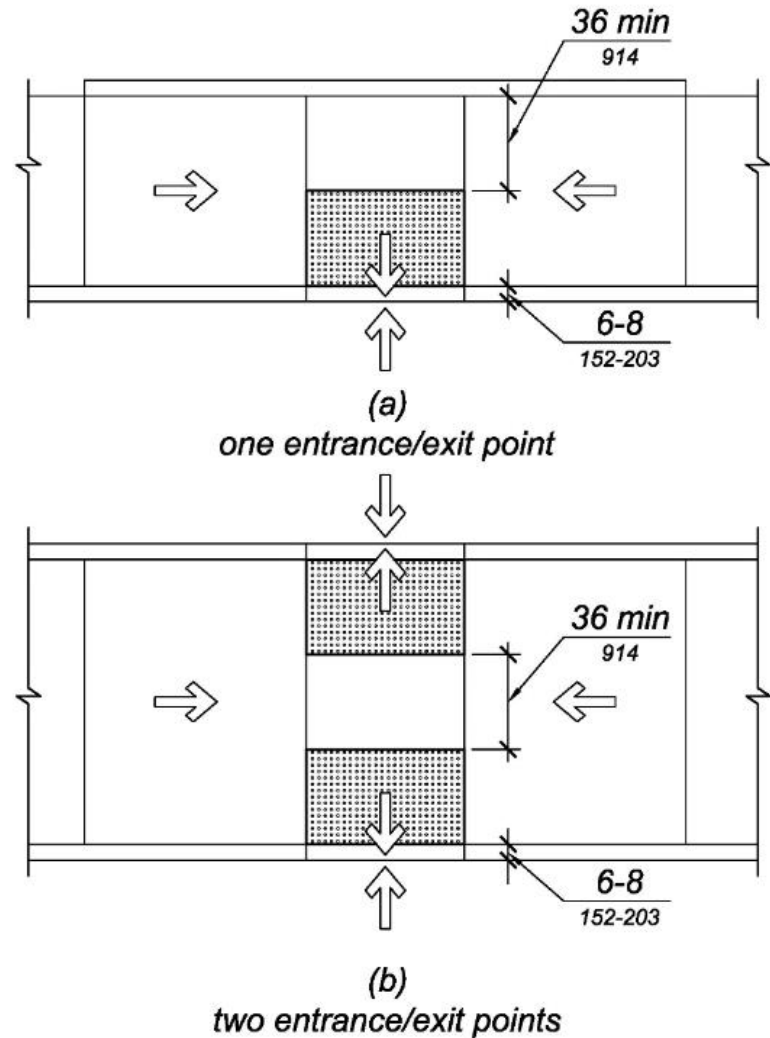
CURB RAMPS

Exceptions:

1. Where it is technically infeasible to provide a minimum 108 inches (2743 mm) wide turning space, as measured perpendicular to the curb, the depth of detectable warnings may be reduced to 24 inches (610 mm) minimum.

2. Existing parallel curb ramps with detectable warnings in compliance with the code requirements in effect at the time of installation shall not be required to provide a minimum 36 inches (914 mm) wide portion of the turning space without detectable warnings.

PARALLEL CURB RAMP



**FIGURE 11B-705.1.2.2.2
PARALLEL CURB RAMPS**

ADDITIONAL ACTION BY THE COMMISSION IN AUGUST AND OCTOBER

- Additional code change proposals related to detectable warnings are posted on the Building Standards Commission website for public comment.
- The commission will act on these code change proposals in October.

THANK YOU

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CASp

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