

**FINAL EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
REGARDING THE ADOPTION BY REFERENCE OF THE
2009 INTERNATIONAL BUILDING CODE (IBC) WITH PROPOSED AMENDMENTS INTO THE
2010 CALIFORNIA BUILDING CODE (CBC)
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2
[ACCESSIBILITY AND ACCESSIBILITY-RELATED STANDARDS ONLY]
(HCD 01/09)**

The Department of Housing and Community Development (HCD) proposes to adopt the 2009 edition of the International Building Code (IBC) for codification and effectiveness into the 2010 edition of the California Building Code (CBC) as presented on the following pages, including any necessary amendments. HCD further proposes to:

- Repeal the 2007 edition of the California Building Code;
- Repeal amendments to the model code that are no longer necessary, repeal or amend building standards that are not addressed by a model code;
- Relocate or codify existing adopted and necessary amendments to the model code into the format of the model code proposed for adoption, the action of which has no regulatory effect; adopt new necessary amendments to the model code proposed for adoption; and/or
- Adopt new building standards that are not addressed by the model code proposed for adoption

LEGEND FOR EXPRESS TERMS:

1. **Existing California amendments or code language being modified:** *All such language shown in italics, modified language is underlined or shown in ~~strikeout~~.*
2. **IBC language with new California amendments:** IBC language shown in normal Arial 9 point; California amendments to IBC text shown underlined and in italics.
3. **Repealed text:** All language shown in ~~strikeout~~.
4. **Amended, adopted or repealed language after public hearing:** All such language appears in double underline or ~~double strikeout~~.
5. **Notation:** Authority and Reference citations are provided at the end of each chapter.

NOTE: THIS DOCUMENT IS A COMPILATION OF THE FOLLOWING ITEMS:

- 1: ACCESSIBILITY STANDARDS [Chapter 11A Excerpted Sections with Modifications]
- 2: ACCESSIBILITY-RELATED STANDARDS [Sections 1.8.2.1.2, 202, 419, 420.4, 420.4.4, 1003, 1007, 1008, 1009, 1010, 1011, 1014 and Chapter 35 “Referenced Standards”]

SPECIAL NOTES:

The 2009 IBC includes defined terms in *italics*. This document displays the defined terms in regular font to differentiate California amendments from model code language. The titles of model code publications, e.g., *International Building Code*, are still shown in italics in the Express Terms.

The Express Terms include amendments that correct references within the California Building Code from International Building Code to *California Building Code*. Similar amendments are also proposed for references to other International model codes adopted as California codes. These types of amendments are not specifically identified in the Matrix Adoption Tables as adopted for HCD applications.

SECTIONS RELATED TO ACCESSIBILITY

Chapter 1, California Administration, Division I

Section 1.8.2.1.2 Housing Accessibility

Chapter 2 Definitions

Section 202 Definitions

Chapter 4 Special Detailed Requirements Based on Use and Occupancy

Section 419 Live/Work Units

Section 420.4 Carbon Monoxide Alarms

Section 420.4.4 Visible Alarms

Chapter 10 Means of Egress

Section 1003 General Means of Egress

Section 1007 Accessible Means of Egress

Section 1008 Doors, Gates and Turnstiles

Section 1009 Stairways

Section 1010 Ramps

Section 1011 Exit Signs

Section 1014 Exit Access

Chapter 11A Housing Accessibility (Excerpted Sections with Modifications)

Chapter 35 Referenced Standards

1. HCD proposes to renumber former "(California) Chapter 1, General Code Provisions (Sections 101 – 101.12 and 108 – 108.10)" to "Chapter 1, Administration, Division I (Sections 1.1 – 1.1.12 and 1.8 – 1.8.10)" and amend as follows:

~~(CALIFORNIA) CHAPTER 1
GENERAL CODE PROVISIONS~~

CHAPTER 1
CALIFORNIA ADMINISTRATION
DIVISION I

...

~~SECTION 108.1.8~~
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT

...

~~108.2.1.2~~ **1.8.2.1.2 Housing accessibility.** Application – Covered multifamily dwellings ~~units~~ as defined in Chapter 11A including, but not limited to, lodging houses, dormitories, timeshares, condominiums, shelters for homeless persons, congregate residences, apartment houses, dwellings, employee housing, factory-built housing and other types of dwellings containing sleeping accommodations with or without common toilet or cooking facilities.

Sections of this code identified in the Matrix Adoption Table by the abbreviation "HCD 1-AC" require specific accommodations for ~~"Persons with physical disabilities";~~ as defined in Chapter 11A. The application of such provisions shall be in conjunction with other requirements of this code and apply only to ~~Group R Occupancies which are newly constructed~~ "Covered multifamily dwellings" as defined in Chapter 11A of the California Building Code. "HCD 1-AC" applications include, but are not limited to, the following:

1. All newly constructed "~~C~~covered multifamily dwellings" as defined in Chapter 11A.
2. New "~~C~~common use areas" as defined in Chapter 11A serving existing covered multifamily dwellings.
3. Additions to existing buildings, where the addition alone meets the definition of a "Covered multifamily dwellings" as defined in Chapter 11A.
4. Common use areas serving covered multifamily dwellings.
5. Where any portion of a building's exterior is preserved, but the interior of the building is removed, including all structural portions of floors and ceilings, the building is considered a new building for determining the application of Chapter 11A.

"HCD 1-AC" building standards generally do not apply to public use areas, public accommodations such as hotels and motels. Public use areas, public accommodations and housing which is publicly funded as defined in Chapters 2, ~~41A and 41B~~ of this code are subject to the Division of the State Architect (DSA-AC) and are referenced in Section ~~400.4~~ 1.9.1.

Enforcing Agency—Local building department or the Department of Housing and Community Development.

Authority cited—Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference—Health and Safety Code Sections 17000 through ~~47060~~ 17062.5, 17910 through ~~47990~~ 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

2. HCD proposes to adopt Chapter 2 with amendments as follows:

**CHAPTER 2
DEFINITIONS**

**SECTION 202
DEFINITIONS**

ACCESSIBLE. ~~See Section 1102.4 [HCD 1-AC]~~ See Chapter 11A, Section 1107A.1-A, and Chapter 11B, Section 1102B.

ACCESSIBLE ROUTE. ~~See Section 1102.4 [HCD 1-AC]~~ See Chapter 11A, Section 1107A.1-A.

ACCESSIBLE UNIT. ~~See Section 1102.4~~

COMMON USE. ~~See Section 1102.4.~~

DETECTABLE WARNING DETECTABLE WARNING. ~~See Section 1102.4. [HCD 1-AC]~~ See Chapter 11A, Section 1107A.4-D, and Chapter 11B, Section 1102B.

DIRECTIONAL SIGN. [HCD 1 & HCD 2] ~~is a~~ publicly displayed notice which indicates by use of words or symbols a recommended direction or route of travel.

EFFICIENCY DWELLING UNIT. [HCD 1] ~~is a~~ dwelling unit containing only one habitable room and includes an efficiency unit as defined by Health and Safety Code Section 17958.1. See Section 1208.4.

FACILITY. ~~See Section 1102.4~~

FAMILY. [HCD 1] ~~is a~~ An individual or two or more persons who are related by blood or marriage, or otherwise, live together in a dwelling unit.

NORMAL. [HCD 1 & HCD 2] ~~shall mean~~ conforming to a pattern or standard regarded as usual or typical.

NOSING (or NOSE OR NOSE). See Section 1002.1. [HCD 1-AC] See Chapter 11A, Section 1107A.14-N, and Chapter 11B, Section 1102B.

PASSENGER ELEVATOR. [HCD 1 & HCD 2] "Passenger Elevator" is an elevator used primarily to carry persons. For additional information, see California Code of Regulations, ~~Title 24, Part 7, Article 7-6, Section 3009 of the 2001 California Building Code~~ Title 8, Division 1, Chapter 4.

PASSIVE SOLAR ENERGY COLLECTOR. [HCD 1 & HCD 2] ~~is~~ Uses architectural components, rather than mechanical components, to provide heating or cooling for a building interior.

PEDESTRIAN WAY. [HCD 1-AC] See Chapter 11A, Section ~~1107A.16-P~~ 1107A.16-P, and Chapter 11B, Section 1102B.

PUBLIC ENTRANCE. ~~See Section 1102.4. [HCD 1-AC]~~ ~~is a~~ An entrance that is not a service entrance or a restricted entrance.

PUBLIC-USE AREAS. ~~See Section 1102.4 [HCD 1-AC]~~ See Chapter 11A, Section 1107A.16-P, and Chapter 11B, Section 1102B.

PUBLICLY FUNDED. ~~[HCD 1 & HCD 2]~~ *For the purpose of housing, all buildings, structures, sidewalks, curbs and related facilities constructed in the state and used or intended to be used as a public use area, as defined in Section 1107A.16-P, shall comply with the accessibility standards of Chapter 11B of this code when state, county or municipal funds, or funds of any political subdivision of the state are used.*

RAMP. See Section 1002.1 ~~[HCD 1-AC]~~ See Chapter 11A, Section 1107A.18-R, and Chapter 11B, Section 1102B.

RESTRICTED ENTRANCE. See Section 1102.1. ~~[HCD 1, HCD 2 & HCD 1-AC]~~ *is an entrance that is made available for common use on a controlled basis, but is not public use, and that is not a service entrance.*

RISER. ~~[HCD 1 & HCD 2 HCD 1-AC]~~ See Chapter 11A, Section 1107A.18-R, and Chapter 11B, Section 1102B.

SELF-SERVICE STORAGE FACILITY. See Section 1102.1.

SERVICE ENTRANCE. See Section 1102.1. ~~[HCD 1-AC]~~ *is an entrance intended primarily for the delivery of goods or services.*

SIDEWALK. ~~[HCD 1-AC]~~ *is a surfaced pedestrian way contiguous to a street used by the public. (As differentiated from the definition of "Walk" in Chapter 11A, Section 1107A.23-W, and Chapter 11B, Section 1102B.)*

SINGLE-ACCOMMODATION SANITARY FACILITY. ~~[HCD 1 & HCD 2 HCD 1-AC]~~ *is a room that has not more than one of each type of sanitary fixture, is intended for use by only one person at a time, has no partition around the toilet, and has a door that can be locked on the inside by the room occupant.*

TACTILE. ~~[HCD 2 HCD 1-AC]~~ *Describes an object that can be perceived using the sense of touch.*

TRANSIENT LODGING. ~~[HCD 1-AC]~~ See Chapter 11A, Section 1107A.20-T, and Chapter 11B, Section 1102B and Chapter 11A, Section 1107A.20-T.

TREAD DEPTH. ~~[HCD 1-AC]~~ See Chapter 11A, Section 1107A.20-T, and Chapter 11B, Section 1102B.

TREAD RUN. ~~[HCD 1-AC]~~ See Chapter 11A, Section 1107A.20-T, and Chapter 11B, Section 1102B.

TYPE A UNIT. See Section 1102.1.

TYPE B UNIT. See Section 1102.1.

VEHICULAR OR PEDESTRIAN ARRIVAL POINTS VEHICULAR OR PEDESTRIAN ARRIVAL POINTS. ~~[HCD 1-AC]~~ See Chapter 11A, Section 1107.22-V.

WALK. ~~[HCD 1-AC]~~ See Chapter 11A, Section 1107A.23-W, and Chapter 11B, Section 1102B.

WHEELCHAIR. ~~[HCD 1-AC]~~ *is a chair mounted on wheels to be propelled by its occupant manually or with the aid of electric power, of a size and configuration conforming to the recognized standard models of the trade.*

WHEELCHAIR SPACE. See Section 1102.1. ~~[HCD 1-AC]~~ *is space for a single wheelchair and its occupant.*

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

3. HCD proposes to adopt Chapter 4 with amendments as follows:

CHAPTER 4 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

SECTION 419 LIVE/WORK UNITS

419.7 Accessibility. Accessibility shall be designed in accordance with Chapters 11A and/or 11B, when applicable.

...

SECTION 420 GROUPS I-1, R-1, R-2, R-3

420.4 Carbon monoxide alarms. [HCD 1, HCD 2 & HCD 1-AC]

...

420.4.4 Visible alarms. *In buildings meeting the definition of "COVERED MULTIFAMILY DWELLINGS" in accordance with Chapter 11A and with fuel-burning appliances and/or attached garages as described in Section 420.4.1, all required carbon monoxide alarms shall be provided with the capability to support visible alarm notification appliances in accordance with NFPA 720 and Chapter 11B.*

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

4. HCD proposes to adopt Chapter 10 with amendments as follows:

CHAPTER 10 MEANS OF EGRESS

SECTION 1002 DEFINITIONS

GUARD [HCD 1 & HCD 2] or GUARDRAIL. A building component or a system of building components located at or near the open sides of elevated walking surfaces that minimizes the possibility of a fall from the walking surface to a lower level.

SECTION 1003 GENERAL MEANS OF EGRESS

1003.1 Applicability. The general requirements specified in Sections 1003 through 1013 shall apply to all three elements of the means of egress system, in addition to those specific requirements for the exit access, the exit and the exit discharge detailed elsewhere in this chapter.

[HCD 1-AC] *In addition to the requirements of this chapter, means of egress, which provide access to, or egress from, buildings or facilities where accessibility is required for applications listed in Section ~~408.2.1.2~~ 1.8.2.1.2 regulated by the Department of Housing and Community Development, or Section ~~409.4~~ 1.9.1 regulated by the Division of the State Architect--Access Compliance, shall also comply with Chapter 11A or Chapter 11B, as applicable.*

1003.2 Ceiling height. The means of egress shall have a ceiling height of not less than 7 feet 6 inches (2286 mm).

Exceptions:

1. Sloped ceilings in accordance with Section 1208.2.
...
7. The clear height of floor levels in vehicular and pedestrian traffic areas in parking garages in accordance with Section 406.2.2. ***[HCD 1-AC] The clear height of vehicle and pedestrian areas required to be accessible, or identified as accessible, shall comply with Chapter 11A or Chapter 11B, as applicable.***
...

1003.3.4 Clear width. Protruding objects shall not reduce the minimum clear width of accessible routes as required in Chapter 11A or Chapter 11B, Section 1133B.8.6.

1003.5 Elevation Change. Where changes in elevation of less than 12 inches (305 mm) exist in the means of egress, sloped surfaces shall be used. Where the slope is greater than one unit vertical in 20 units horizontal (5-percent slope), ramps complying with Section 1010 shall be used. Where the difference in elevation is 6 inches (152 mm) or less, the ramp shall be equipped with either handrails or floor finish materials that contrast with adjacent floor finish materials.

Exceptions:

1. A single step with a maximum riser height of 7 inches (178 mm) is permitted for buildings with occupancies in Groups F, H, R-2, R-3, S and U at exterior doors not required to be accessible by ~~Chapter 11A or 11B.~~ **Chapter 11A or 11B.**
2. A stair with a single riser or with two risers and a tread is permitted at locations not required to be accessible by ~~Chapter 11A or 11B,~~ provided that the risers and treads comply with Section 1009.4, the minimum depth of the tread is 13 inches (330 mm) and at least one handrail complying with Section 1012 is provided within 30 inches (762 mm) of the centerline of the normal path of egress travel on the stair.
3. A step is permitted in aisles serving seating that has a difference in elevation less than 12 inches (305 mm) is permitted at locations not required to be accessible by ~~Chapter 11A or 11B,~~ provided that the risers and treads comply with Section 1028.11 and the aisle is provided with a handrail complying with Section 1028.13.

Throughout a story in a Group I-2 occupancy, any change in elevation in portions of the exit access that serve nonambulatory persons shall be by means of a ramp or sloped walkway.

**SECTION 1007
ACCESSIBLE MEANS OF EGRESS**

1007.1 Accessible means of egress required. Accessible means of egress shall comply with this section. Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress is required by Section 1015.1 or 1021.1 from any accessible space, each accessible portion of the space shall be served by ~~not less than two~~ accessible means of egress *in at least the same number as required by Section 1015.1 or ~~1019.1~~ 1021.1.* In addition to the requirements of this chapter, means of egress, which provide access to, or egress from, buildings for persons with disabilities, shall also comply with the requirements of Chapter 11A or 11B, as applicable.

Exceptions:

1. Accessible means of egress are not required in alterations to existing buildings.
...

1007.2 Continuity and components. Each required accessible means of egress shall be continuous to a public way and shall consist of one or more of the following components:

1. Accessible routes complying with ~~Section 1104~~ Chapter 11A, Sections 1110A.1 and 1120A, or Chapter 11B, Section 1114B.1.2, as applicable.
2. Interior exit stairways complying with Sections 1007.3, ~~and 1026~~ and Chapter 11A, Section 1123A, or Chapter 11B, Section 1133B.4, as applicable.
3. Exterior exit stairways complying with Sections 1007.3, ~~and 1026~~ and Chapter 11A, Section 1115A, or Chapter 11B, Section 1133B.4, as applicable.
- ...

1007.5 Platform lifts. Platform (wheelchair) lifts shall not serve as part of an accessible means of egress, except where allowed as part of a required accessible route in ~~Section 1109.7, Items 1 through 9~~ Chapter 11A, Sections 1121A and 1124A.11; or Chapter 11B, Sections 1116B.2.1 through 1116B.2.4, as applicable. Standby power shall be provided in accordance with Chapter 27 for platform lifts permitted to serve as part of a means of egress.

1007.6.1 Size. Each area of refuge shall be sized to accommodate ~~one~~ two wheelchair spaces that are not less than 30 inches by 48 inches (762 mm by 1219 mm) each. ~~The total number of such 30-inch by 48-inch (762 mm by 1219 mm) spaces per story shall be not less than one for every 200 persons of calculated occupant load served by the area of refuge. for each 200 occupants or portion thereof, based on occupant load of the area of refuge and areas served by the area of refuge.~~ Such wheelchair spaces shall not reduce the required means egress width. Access to any of the required wheelchair spaces in an area of refuge shall not be obstructed by more than one adjoining wheelchair space.

Exception: The enforcing agency may reduce the size of the each required area of refuge to accommodate one wheelchair space that is not less than 30 inches by 48 inches (762 mm by 1219 mm) on floors where the occupant load is less than 200.

1007.6.3.1 Visible communication method. [HCD 1-AC] A button complying with Section 1117B.6 in the area of refuge shall activate both a light in the area of refuge indicating that rescue has been requested and a light at the central control point indicating that rescue is being requested. A button at the central control point shall activate both a light at the central control point and a light in the area of refuge indicating that the request has been received.

1007.9 Signage. Signage indicating special accessibility provisions shall be provided as shown:

1. Each door providing access to an area of refuge from an adjacent floor area shall be identified by a sign stating: AREA OF REFUGE.
2. Each door providing access to an exterior area for assisted rescue shall be identified by a sign stating: EXTERIOR AREA FOR ASSISTED RESCUE.

Signage shall comply with the ~~ICC-A117.4~~ Section 1117B.5.1, ~~Items 2 and 3~~, requirements for visual characters and include the International Symbol of Accessibility ~~complying with Section 1117B.5.8.1~~. Where exit sign illumination is required by Section 1011.2, the signs shall be illuminated. Additionally, tactile signage complying with ~~ICC-A117.4~~ Section 1117B.5.1, Item 1, and the International Symbol of Accessibility shall be located at each door to an area of refuge and exterior area for assisted rescue in accordance with Section 1011.3.

~~1007.9~~ **1007.12 Alarms/emergency warning systems/accessibility.** If emergency warning systems are required, they shall activate a means of warning the hearing impaired. Emergency warning systems as part of the fire-alarm system shall be designed and installed in accordance with NFPA 72 as amended in Chapter 35.

**SECTION 1008
DOORS, GATES AND TURNSTILES**

1008.1.1 Size of Doors. The minimum width of each door opening shall be sufficient for the occupant load thereof and shall provide a clear width of 32 inches (813 mm). Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). Where this section requires a minimum clear width of 32 inches (813 mm) and a door opening includes two door leaves without a mullion, one leaf shall provide a clear opening width of 32 inches (813 mm). The maximum width of a swinging door leaf shall be 48 inches (1219 mm) nominal. Means of egress doors in a Group I-2 occupancy used for the movement of beds shall provide a clear width not less than 41 1/2 inches (1054 mm). The height of doors shall not be less than 80 inches (2032 mm).

Exceptions:

1. The minimum and maximum width shall not apply to door openings that are not part of the required means of egress in Group R-2 and R-3 occupancies.
...
7. In other than Group R-1 occupancies, the minimum widths shall not apply to interior egress doors within a dwelling unit or sleeping unit that is not required to be ~~an Accessible unit, Type A unit or Type B unit~~ *adaptable or accessible as specified in Chapter 11A or 11B, as applicable.*
8. Door openings required to be accessible within dwelling units shall have a minimum clear width as *specified in Chapter 11A or 11B, as applicable.*

1008.1.4.1 Revolving doors. Revolving doors shall comply with the following:

1. Each revolving door shall be capable of collapsing into a bookfold position with parallel egress paths providing an aggregate width of 36 inches (914 mm).
...
5. Revolving doors shall not be part of an accessible route required by Section 1007, ~~and~~ Chapter 11A or Chapter 11B.

1008.1.5 Floor elevation. There shall be a floor or landing on each side of a door. Such floor or landing shall be at the same elevation on each side of the door. Landings shall be level except for exterior landings, which are permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2-percent slope).

Exceptions:

1. Doors serving individual dwelling units in Groups R-2 and R-3 where the following apply:
...
3. In Group R-3 occupancies not required to be ~~Accessible units, Type A units or Type B units~~ *adaptable or accessible*, the landing at an exterior doorway shall not be more than 7-3/4 inches (197 mm) below the top of the threshold, provided the door, other than an exterior storm or screen door, does not swing over the landing.
...
5. ~~Exterior decks, patios or balconies that are part of Type B dwelling units, have impervious surfaces and that are not more than 4 inches (102 mm) below the finished floor level of the adjacent interior space of the dwelling unit.~~

1008.1.7 Thresholds. Thresholds at doorways shall not exceed 3/4 inch (19.1 mm) in height for sliding doors serving dwelling units or 1/2 inch (12.7 mm) for other doors. Raised thresholds and floor level changes greater than 1/4 inch (6.4 mm) at doorways shall be beveled with a slope not greater than one unit vertical in two units horizontal (50-percent slope).

Exception: The threshold height shall be limited to 7-3/4 inches (197 mm) where the occupancy is Group R-2 or R-3; the door is an exterior door that is not a component of the required means of egress; the door, other than an exterior storm or screen door, does not swing over the landing or step; and the doorway is not on an accessible route as required by Chapter 11A or 11B and is not part of an Accessible unit, Type A unit or Type B unit adaptable or accessible dwelling unit.

1008.1.8 Door arrangement. Space between two doors in a series shall be 48 inches (1219 mm) minimum plus the width of a door swinging into the space. Doors in a series shall swing either in the same direction or away from the space between doors.

Exceptions:

1. The minimum distance between horizontal sliding power-operated doors in a series shall be 48 inches (1219 mm).
...
3. Doors within individual dwelling units in Groups R-2 and R-3 occupancies other than within Type A dwelling units adaptable or accessible dwelling units.

**SECTION 1009
STAIRWAYS**

1009.4.2 Riser height and tread depth. Stair riser heights shall be 7 inches (178 mm) maximum and 4 inches (102 mm) minimum. The riser height shall be measured vertically between the leading edges of adjacent treads. Rectangular stair tread depths shall be 11 inches (279 mm) minimum measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. Winder treads shall have a minimum tread depth of 11 inches (279 mm) measured between the vertical planes of the foremost projection of adjacent treads at the intersections with the walkline and a minimum tread depth of 10 inches (254 mm) within the clear width of the stair.

Exceptions:

1. Alternating tread devices in accordance with Section 1009.10.
...
6. See the Section 3404.1 for the replacement of existing stairways. **[HCD 1]** See Chapter 34, Section 3403.4 3401.4.3, ~~Exception 2~~ for additions, alterations, or repairs to existing buildings.
...

1009.5 Stairway landings. There shall be a floor or landing at the top and bottom of each stairway. The width of landings shall not be less than the width of stairways they serve. Every landing shall have a minimum dimension measured in the direction of travel equal to the width of the stairway. Such dimension need not exceed 48 inches (1219 mm) where the stairway has a straight run. Doors opening onto a landing shall not reduce the landing to less than one-half the required width. When fully open, the door shall not project more than 7 inches (178 mm) into a landing. When wheelchair spaces are required on the stairway landing in accordance with Section 1007.6.1, the wheelchair space shall not be located in the required width of the landing and doors shall not swing over the wheelchair spaces.

Exception: Aisle stairs complying with Section 1028.

3. **[HCD 1]** In Group R-3 occupancies, a floor or landing is not required at the top of an interior flight of stairs, including stairs in an enclosed garage, provided a door does not swing over the stairs.

1009.12 Handrails. Stairways shall have handrails on each side and shall comply with Section 1012. Where glass is used to provide the handrail, the handrail shall also comply with Section 2407.

Exceptions:

1. Handrails for aisle stairs are not required where permitted by Section 1028.13.
...
4. ~~[HCD 1]~~ In Group R-3 occupancies, a change in elevation consisting of a single riser at an entrance or egress door does not require handrails ~~a continuous run of treads or flight of stairs with fewer than four risers does not require handrails.~~
...

**SECTION 1010
RAMPS**

1010.1 Scope. The provisions of this section shall apply to ramps used as a component of a means of egress.

Exceptions:

1. Other than ramps that are part of the accessible routes providing access in accordance with Sections ~~1108.2 through 1108.2.4 and 1108.2.6~~ Chapter 11A or 11B, ramped aisles within assembly rooms or spaces shall conform with the provisions in Section 1028.11.
2. Curb ramps shall comply with ~~ICC A117.4~~ Chapter 11A or 11B, Section 1127B.5, as applicable.
...

1010.6.3 Length. The landing length shall be 60 inches (1525 mm) minimum.

Exceptions:

1. In Group R-2 and R-3 individual dwelling and sleeping units that are not required to be ~~Accessible units, Type A units or Type B units~~ in accordance with ~~Section 1107~~ Chapter 11A, landings are permitted to be 36 inches (914 mm) minimum.
...

1010.6.4 Change in direction. Where changes in direction of travel occur at landings provided between ramp runs, the landing shall be 60 inches by 60 inches (1524 mm by 1524 mm) minimum.

Exception: In Group R-2 and R-3 individual dwelling or sleeping units that are not required to be ~~Accessible units, Type A units or Type B units~~ in accordance with ~~Section 1107~~ Chapter 11A, landings are permitted to be 36 inches by 36 inches (914 mm by 914 mm) minimum.

1010.6.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by ~~ICC A117.4 for accessibility~~ are permitted to overlap the required landing area as specified in Chapter 11A or 11B, Section 1133B.5.

1010.9 Edge protection. Edge protection complying with Section 1010.9.1 or 1010.9.2 shall be provided on each side of ramp runs and at each side of ramp landings. **[HCD 1-AC]** See Chapter 11A, Sections 1114A.7 and 1122A.6, for curb and wheel guide requirements.

Exceptions:

1. Edge protection is not required on ramps that are not required to have handrails, provided they have flared sides that comply with ~~the ICC A117.4 curb ramp provisions~~ Chapter 11A or Chapter 11B, Section 1127B.5.
...

**SECTION 1011
EXIT SIGNS**

1011.3 Tactile exit signs. ~~A tactile sign stating EXIT and complying with ICC A117.1 Section 1117B.5.1, Item 1, shall be provided adjacent to each door to an area of refuge, an exterior area for assisted rescue, an exit stairway, and exit ramp, an exit passageway and the exit discharge. For the purposes of Section 1011.3, the term "tactile exit signs" shall mean those required signs that comply with Section 1117B.5.1, Item 1.~~

**SECTION 1014
EXIT ACCESS**

1014.2 Egress through intervening spaces. Egress through intervening spaces shall comply with this section.

1. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an exit.
...
3. ~~[HCD 1] Except for one- and two- family dwellings and townhouses, means~~ Means of egress from dwelling units or sleeping areas shall not lead through other sleeping areas, toilet rooms or bathrooms.
...
5. ~~[HCD 1] For one- and two- family dwellings and townhouses, means of egress is allowed to pass through rooms and intervening spaces except garages.~~

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

5. HCD proposes to not adopt Chapter 11 and remove it from the printed California Building Code.

**CHAPTER 11
ACCESSIBILITY**

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

6. HCD proposes to bring forward Chapter 11A from the 2007 California Building Code with amendments as follows:

CHAPTER 11A HOUSING ACCESSIBILITY

Division I — APPLICATION, GENERAL PROVISIONS, AND DEFINITIONS

SECTION 1101A APPLICATION

1101A.1 Scope. *The application and authority of this chapter are identified and referenced in Sections ~~1.8.2.1.2~~ ~~408-2.1.2~~ and 1102A for the Department of Housing and Community Development. Applicable sections are identified in the Matrix Adoption Tables of this code under the abbreviation HCD 1-AC. The provisions of this chapter shall apply to the following:*

1. All newly-constructed covered multifamily dwellings.

...

These building standards generally do not apply to public accommodations such as hotels and motels. Public use areas, public accommodations and housing which is publicly funded as defined in Chapter 2, ~~Chapter 11A, and Chapter 11B~~ of this Code are subject to provisions of the Division of the State Architect (DSA/AC) (DSA-AC) and are referenced in Section ~~409.4.1~~ 1.9.1.1.

SECTION 1102A BUILDING ACCESSIBILITY

1102A.1 Where required. *Buildings or portions of buildings and facilities within the scope of this chapter shall be accessible to persons with disabilities. Each building on a building site shall be considered separately when determining the requirements contained in this chapter, except when calculating the number of units which must comply with Section 1102A.3.1. Dwelling units within a single structure separated by firewalls do not constitute separate buildings*

Newly-constructed covered multifamily dwellings as defined in this chapter, include, but are not limited to, the following:

1. Apartment buildings with 3 or more dwelling units including timeshare apartments not considered a place of public accommodation or transient lodging as defined in Health and Safety Code Section 19955 (a), and Chapter 2 of the California Building Code.
- ...
9. Other Group R Occupancies in covered multifamily dwellings which are regulated by the Office of the State Fire Marshal. See Section 1.11 ~~144~~.
 10. Housing which is publicly funded as defined in Chapter 2 of this code is subject to provisions of the Division of the State Architect (DSA-AC). See Section 1111 ~~B.5~~.

1102A.2 Existing buildings. *The building standards contained in this chapter do not apply to the alteration, repair, rehabilitation or maintenance of multifamily dwellings ~~Group R Occupancies~~ constructed for first occupancy prior to March 13, 1991. Housing which is publicly funded as defined in Chapter 2 of this code ~~are~~ is subject to provisions of the Division of the State Architect (DSA-AC). See Section 1111 ~~B.5~~.*

Covered multifamily dwellings shall be maintained in compliance with the accessibility standards in effect at the time of construction. Apartments constructed prior to March 13, 1991, shall be maintained in compliance with the accessibility standards in effect at the time of construction.

Additions to ~~Group R occupancies~~ shall be subject to the requirements of this chapter, provided the addition, when considered alone, meets the definition of a covered multifamily dwelling, as defined in this chapter.

New common use spaces serving existing covered multifamily dwellings shall be subject to the requirements of this chapter.

Note: For all existing public use areas, public accommodations, and housing which is publicly funded, see Chapter 11B, Division IV, Section 1134B, for provisions of the Division of the State Architect, Access Compliance (DSA-AC).

1102A.3 Multistory dwellings.

1102A.3.1 Multistory apartment or condominium dwellings in buildings with no elevator. This section shall apply to multistory dwelling units on the ground floor of buildings without elevators for which an application for a construction permit is submitted on or after July 1, 2005.

Exception: Carriage units as defined in Section 1107A.3-C and regulated only by the Department of Housing and Community Development as referenced in Section 1.8.2.1.2 ~~408.2.1.2~~.

At least 10 percent but not less than one of the multistory dwellings in apartment buildings with 3 or more dwelling units and/or condominiums with 4 or more dwelling units shall comply with the following:

1. The primary entry to the dwelling unit shall be on an accessible route unless exempted by site impracticality tests in Section 1150A.
- ...
4. Common use areas covered by this section shall be accessible as required by this chapter. Public use areas as defined in Chapter 2, Chapter 11A, and Chapter 11B of this code are subject to provisions of the Division of the State Architect (DSA-AC) and are referenced in Section 1.9.1.1 ~~409.1.1~~.

The minimum number of multifamily dwelling units which must comply with this section shall be calculated using the total number of all multistory dwelling units in buildings on a site which are subject to this section. Any fraction thereof shall be rounded to the next highest whole number.

SECTION 1103A DESIGN AND CONSTRUCTION

1103A.1 General.

1103A.1.1 When buildings are required to be accessible, they shall be designed and constructed as provided in this chapter.

Note: Public use areas, public accommodations, and housing which is publicly funded as defined in Chapter 2, ~~Chapter 11A, and Chapter 11B~~ of this code are subject to provisions of the Division of the State Architect (DSA-AC) and are referenced in Section 1.9.1.1 ~~409.1.1~~.

SECTION 1104A COVERED MULTIFAMILY DWELLINGS

1104A.1 General. All ground-floor dwelling units in nonelevator buildings shall be adaptable and on an accessible route, unless an accessible route is not required as determined by site impracticality provisions in Section 1150A. For buildings with elevators, see Section 1106A.

Multistory dwellings units shall comply with Section 1102A.3.

1104A.2 Ground floors above grade. Where the first floor containing dwelling units in a building is above grade, all units on that floor shall be served by an accessible route. This floor will be considered a ground floor and all dwelling units are considered covered multifamily dwelling units.

Exception: Carriage units as defined in Section 1107A.3.C and regulated only by the Department of Housing and Community Development as referenced in Section 1.8.2.1.2 ~~408.2.1.2~~.

Multistory dwellings units shall comply with Section 1102A.3.

**SECTION 1106A
SITE AND BUILDING CHARACTERISTICS**

1106A.1 General. Covered multifamily dwellings with elevators shall be designed and constructed to provide at least one accessible entrance on an accessible route, regardless of terrain or unusual characteristics of the site. Covered multifamily dwellings without elevators shall be designed and constructed to provide at least one accessible entrance on an accessible route unless terrain or unusual characteristics of the site prevent an accessible route based on the conditions listed below:

1. *Accessible Entrance.* Regardless of site considerations described in Section 1150A, an accessible entrance on an accessible route is required when there is an elevator connecting the parking area with the dwelling units on a ground floor. (In this case, those dwelling units on the ground floor served by an elevator, and at least one of each type of public- and common-use areas, would be subject to these requirements.)
2. *Elevator Building.* When a building elevator or elevators are provided as a means of access to dwelling units other than dwelling units on a ground floor (see Section 1104A.2), the building is an elevator building. All dwelling units become covered multifamily dwellings in that building. The elevator in that building must provide accessibility to all dwelling units in the building, regardless of the slope of the natural terrain. For multistory dwelling units in buildings with one or more elevators, see Section 1102A.3.2.

...

**SECTION 1107A
DEFINITIONS**

For the purpose of this chapter, certain terms are defined as follows:

1107A.3-C

COVERED MULTIFAMILY DWELLINGS are dwelling units in buildings consisting of 3 or more dwelling units or 4 or more condominium units. Covered multifamily dwellings include dwelling units listed in Section 1102A.1. Dwelling units within a single structure separated by firewalls do not constitute separate buildings.

Note: For buildings or complexes containing publicly funded dwelling units, see Chapter 11B, Section 1111B.5 for provisions of the Division of the State Architect, Access Compliance (DSA-AC).

1107A.4-D

DETECTABLE WARNING is a standardized surface or feature built into or applied to walking surfaces or other elements to warn visually impaired persons of hazards in the path of travel. Only approved DSA/AC detectable warning products and directional surfaces shall be installed as provided in the CCR, Title 24, Part 1, Articles 2, 3, and 4. Refer to CCR, Title 24, Part 12, Chapter 12-11A and B for building and facilities facility access specifications for product approval for detectable warning products and directional surfaces.

Note: Detectable warning products and directional surfaces installed after January 1, 2001, shall be evaluated by an independent entity, selected by the Department of General Services, Division of the State Architect – Access Compliance, for all occupancies, including transportation and other outdoor environments, except that when products and surfaces are for use in residential housing, evaluation shall be in consultation with the Department of Housing and Community Development. See Government Code Section 4460.

1107A.5-E

EQUIVALENT FACILITATION is an alternate means of complying with the literal requirements of these standards and specifications that provides access consistent with the purpose of these standards and specifications.

Notes:

1. See Section ~~1.8.1.408-1~~, Purpose.

...

Division II — EXTERIOR FACILITIES

**SECTION 1108A
GENERAL REQUIREMENTS FOR ACCESSIBLE PARKING AND EXTERIOR ROUTES OF TRAVEL**

Notes:

1. In addition to provisions of this division, exterior routes of travel that provide access to, or egress from, buildings for persons with disabilities shall also comply with Chapter 10.
2. Public use areas, public accommodations, and housing which is publicly funded as defined in Chapter 2, ~~Chapter 11A, and Chapter 11B~~ of this code are subject to provisions of the Division of the State Architect (DSA-AC) and are referenced in Section ~~1.9.1.1 409.1.4~~.

**SECTION 1109A
PARKING FACILITIES**

1109A.8.1 Vertical Clearances. ~~Where required to be accessible, all entrances into, and vertical clearances within parking facilities shall have a minimum vertical clearance of 8 feet 2 inches (2489 mm) from the floor to the lowest projection from the ceiling. All entrances, exits, and vehicular passageways to and from required accessible parking spaces within parking facilities, shall have a minimum vertical clearance of 8 feet 2 inches (2489 mm) from the floor to the lowest projection of the ceiling. Reflective warning signs complying with Section 1117B.5.4 for character height shall be installed at transitions from the 8 feet 2 inch ceiling to lower ceiling heights in vehicular passageways in the same parking level.~~

1109A.8.5 Accessible single parking space. Where accessible single spaces are provided, they shall be constructed in accordance with the following:

1. Single spaces shall be 14 feet (4267 mm) wide and lined to provide a 9-foot (2743 mm) wide parking area and a 5-foot (1524 mm) wide loading and unloading access aisle on the passenger side of the vehicle (see Figure 11A-2B) with the vehicle parked in the forward position.
2. When more than one space is provided, two 9-foot (2743 mm) wide parking spaces may be lined on each side of a 5-foot (1524 mm) wide loading and unloading access aisle (see Figure 11A-2A, and 11A-2C).
3. The minimum length of each parking space shall be 18 feet (5486 mm).
4. The loading and unloading access aisle shall be marked by a border painted blue. Within the blue border, hatched lines a maximum of 36 inches (914 mm) on center shall be painted a color contrasting with the parking surface, preferably blue or white. The words "NO PARKING" shall be painted on the ground within each 5-foot (1524 mm) wide loading and unloading access aisle. This notice shall be painted in white letters no less than 12 inches (305 mm) high and located so that it is visible to traffic enforcement officials (see Figures 11A-2A, 11A-2B, and 11A-2C).

1109A.8.6 Van accessible parking space. One in every eight accessible spaces, but not less than one, shall be van accessible and shall be constructed in accordance with the following:

1. Each space shall be served by a loading and unloading access aisle at least 8 feet (2438 mm) wide, placed on the passenger side with the vehicle parked in the forward position.
...
5. The loading and unloading access aisle shall be marked by a border painted blue. Within the blue border, hatched lines a maximum of 36 inches (914 mm) on center shall be painted a color contrasting with the parking surface, preferably blue or white. The words "NO PARKING" shall be painted on the ground within each 8-foot (2438 mm) wide loading and unloading access aisle. This notice shall be painted in white letters no less than 12 inches (305 mm) high and located so that it is visible to traffic enforcement officials.

Note: See Figures 11A-2A, 11A-2B, and 11A-2C.

1109A.8.8 Parking signage. Each accessible parking space reserved for persons with disabilities shall be identified by a reflective sign permanently posted immediately adjacent to and visible from each stall or space consisting of the "International Symbol of Accessibility" in white on a dark blue background. The sign shall not be smaller than 70 square inches (4516 mm²) in area and, when in a path of travel, shall be posted at a minimum height of 80 inches (2032 mm) from the bottom of the sign to the parking space finished grade. Signs may also be centered on the wall at the interior end of the parking space at a minimum height of 36 inches (914 mm) from the parking space finished grade, ground or sidewalk. Van accessible spaces shall comply with Section 1109A.8.6 and shall have an additional sign or additional language stating "Van Accessible" below the symbol of accessibility.

Note: When assigned resident parking is provided, signage is not required except for unassigned or visitor parking spaces.

An additional sign shall also be posted in a conspicuous place at each entrance to off-street parking facilities or immediately adjacent to and visible from each accessible stall or space. The sign shall not be less than 17 inches (432 mm) by 22 inches (559 mm) in size with lettering not less than 1 inch (25.4 mm) in height, and shall clearly and conspicuously state the following:

"Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities ~~may~~ will be towed away at the owner's expense. Towed vehicles may be reclaimed at _____ or by telephoning _____."

Blank spaces are to be filled in with appropriate information as a permanent part of the sign.

...

SECTION 1112A CURB RAMPS ON ACCESSIBLE ROUTES

1112A.4 Diagonal curb ramps. If diagonal (or corner-type) curb ramps have returned curbs or other well-defined edges, such edges shall be parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a 48-inch (1219 mm) minimum clear space as shown in Figures 11A-3A through 11A-3M. If diagonal curb ramps are provided at marked crossings, the 48-inch (1219 mm) clear space shall be within the markings (see Figures 11A-3A through 11A-3M). If diagonal curb ramps have flared sides, they shall also have at least a 24-inch-long (610 mm) segment of straight curb located on each side of the curb ramp and within the marked crossing. See Figures 11A-3A through 11A-3M.

SECTION 1113A WALKS AND SIDEWALKS ON AN ACCESSIBLE ROUTE

1113A.5 Smooth surface. The bottom 10 inches (254 mm) of all doors and/or gates except automatic and sliding doors or gates shall have a smooth, uninterrupted surface to allow the door or gate to be opened by a wheelchair footrest without creating a trap or hazardous condition. Where narrow frame doors are used, a 10-inch (254 mm) high smooth panel shall be installed on the push side of the door, which will allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition.

1113A.6 Gratings. Walks, sidewalks and pedestrian ways on an accessible route shall be free of gratings whenever possible. Gratings located in the surface of any of these areas, grid openings in gratings shall be limited to 1/2 inch (12.7 mm) in the direction of traffic flow.

Exceptions:

1. Where the enforcement agency determines that compliance with this section would create an unreasonable hardship, an exception may be granted when equivalent ~~facilities are~~ facilitation is provided.

...

**SECTION 1114A
EXTERIOR RAMPS AND LANDINGS ON ACCESSIBLE ROUTES**

1114A.1 Width. The width of ramps shall be consistent with the requirements for exits in Chapter 10 of this code, but in no case shall the ramp width be less than the following:

1. Ramps serving accessible entrances to covered multifamily buildings where the ramp is the only exit discharge path and serves an occupant load of 300 or more shall have a minimum clear width of 60 inches (1524 mm).
2. Ramps serving accessible entrances of covered multifamily dwellings in Group R Occupancies with an occupant load of 10 or less may be 36 inches (914 mm) in clear width.

...

1114A.4.1 Location of landings. Landings shall be provided at the top and bottom of each ramp. Intermediate landings shall be provided at intervals not exceeding 30 inches (762 mm) of vertical rise and at each change of direction. Landings are not considered in determining the maximum horizontal distance of each ramp.

Note: Examples of ramp dimensions are:

SLOPE (GRADING %)	MAXIMUM RISE (Inches)	MAXIMUM HORIZONTAL PROJECTION (FEET) (Feet)
	(x 25.4 for mm)	(x 304.8) for mm)
1:12 (8.33%)	30	30
1:15 (6.67%)	30	37.5
1:16 (6.25%)	30	40
1:20 (5.00%)	30	50

1114A.5 Ramp height. Ramps more than 30 inches (762 mm) above the adjacent floor or ground and open on one or both sides shall be provided with guardrails as required by Section ~~1013~~ 509. Guardrails shall be continuous from the top of the ramp to the bottom of the ramp.

1114A.6 Ramp handrails.

1114A.6.1 Where required. Handrails shall be provided at each side of ramps when the slope exceeds 1 unit vertical in 20 units horizontal (5% percent slope). Handrails on all ramps shall be continuous.

Exceptions:

1. Curb ramps.

...

**SECTION 1115A
EXTERIOR STAIRWAYS**

1115A.6 Exterior stairway handrails.

1115A.6.1 Where required. Stairways shall have handrails on each side. Intermediate handrails shall be located equidistant from the sides of the stairway and comply with Section ~~4042-8~~ 1012.9.

Exception: Stairways serving an individual dwelling unit may have one handrail, except that stairways open on one or both sides shall have handrails on the open side or sides.

**SECTION 1116A
HAZARDS ON ACCESSIBLE ROUTES**

1116A.4 Free-standing signs. Wherever signs mounted on posts or pylons protrude from the post or pylons and the bottom edge of the sign is less than 80 inches (2032 mm) above the finished floor or ground level, the edges of such signs shall be rounded or eased and the corners shall have a minimum radius of 0.125 inches (see Section 1116A.2 for required headroom clearance).

Division III — BUILDING FEATURES

**SECTION 1121A
CHANGES IN LEVEL ON ACCESSIBLE ROUTES**

1121A.2 Changes greater than ~~one-half~~ 1/2 inch. Changes in level greater than 1/2 inch (12.7 mm) shall be made by means of a sloped surface not greater than 1 unit vertical in 20 units horizontal (5-percent slope), or a curb ramp, ramp, elevator or platform (wheelchair) lift. When stairs are located along or adjacent to an accessible route they shall comply with Section 1123A for interior stairways.

**SECTION 1122A
INTERIOR RAMPS AND LANDINGS ON ACCESSIBLE ROUTES**

1122A.1 Width. The width of ramps shall be consistent with the requirements for exits in Chapter 10 of this code, but in no case shall the ramp width be less than the following:

1. Ramps serving accessible entrances to covered multifamily buildings where the ramp is the only exit discharge path and serves an occupant load of 300 or more shall have a minimum clear width of 60 inches (1524 mm).
2. Ramps serving accessible entrances to covered multifamily dwellings in Group R Occupancies with an occupant load of 10 or less may be 36 inches (914 mm) in clear width.

...

1122A.3.1 Location of landings. Landings shall be provided at the top and bottom of each ramp. Intermediate landings shall be provided at intervals not exceeding 30 inches (762 mm) of vertical rise and at each change of direction. Landings are not considered in determining the maximum horizontal distance of each ramp.

Note: Examples of ramp dimensions are:

SLOPE (GRADING %)	MAXIMUM RISE (INCHES/Inches)	MAXIMUM HORIZONTAL PROJECTION (FEET) (Feet)
	(x 25.4 for mm)	(x 304.8) for mm)
1:12 (8.33%)	30	30
1:15 (6.67%)	30	37.5
1:16 (6.25%)	30	40
1:20 (5.00%)	30	50

1122A.3.4 Encroachment of doors. Doors in any position shall not reduce the minimum dimension of the landing to less than 42 inches (1067 mm) and shall not reduce the required width by more than 3 inches (76.2 mm) when fully open. (See Figure 44A-6d ~~11A-6D~~).

1122A.4 Ramp height. Ramps more than 30 inches (762 mm) above the adjacent floor or ground and open on one or both sides shall be provided with a guardrails as required by Section 1013 ~~509~~. Guardrails shall be continuous from the top of the ramp to the bottom of the ramp.

**SECTION 1123A
INTERIOR STAIRWAYS**

1123A.1. General. Interior stairways serving buildings containing covered multifamily dwelling units shall comply with this section.

~~**Note:** This section shall not apply to interior stairways serving floors or dwelling units not required to be accessible.~~

1123A.6 Interior stairway handrails.

1123A.6.1 Where required. Stairways shall have handrails on each side. Intermediate handrails shall be located equidistant from the sides of the stairway and comply with Section ~~4042.8~~ 1012.9.

Exception: Stairways serving an individual dwelling unit may have one handrail, except that stairways open on one or both sides shall have handrails on the open side or sides.

**SECTION 1124A
ELEVATORS AND PLATFORM (WHEELCHAIR) LIFTS**

1124A.1 General. Elevators provided in covered multifamily buildings shall be accessible. Elevators required to be accessible shall ~~and~~ comply with this chapter, ASME A17.1, Safety Code for Elevators and Escalators, Title 8, 24, Part 7 of the California Code of Regulations, under "Elevator Safety Orders," and any other applicable safety regulations of other administrative authorities having jurisdiction.

Exception: Private elevators serving only one dwelling unit.

1124A.3 Size of cab and control locations.

1124A.3.4 Emergency telephone. The emergency telephone handset shall be positioned no higher than 48 inches (1219 mm) above the floor, and the handset cord shall be a minimum of 29 inches (737 mm) in length. If the telephone system is located in a closed compartment, the compartment door hardware shall be a lever type conforming to the provisions of Section ~~4003.3.1.8~~ 1126A.6.1. Emergency intercommunication shall not require voice communication.

**SECTION 1126A
DOORS**

1126A.1 Width and height of doors. Doorways which provide access to common use areas or covered multifamily dwellings shall comply with the following:

1. Permit the installation of a door not less than 36 inches (914 mm) in width, not less than 80 inches (2032 mm) in height and provide a clear width of not less than 32 inches (813 mm), measured with the door positioned at an angle of 90 degrees from its closed position.

...

4. The width of any component in the egress system shall not be less than the minimum width required by Section 1005 ~~4003.2.3~~.

...

1126A.5 Type of lock or latch. The type of latch and lock required for all doors shall be in accordance with Chapter 10, Section 1008 ~~4003.3.1.8~~.

1126A.7 Smooth surface. The bottom 10 inches (254 mm) of all doors and/or gates shall have a smooth, uninterrupted surface to allow the door or gate to be opened by a wheelchair footrest without creating a trap or hazardous condition. Where narrow frame doors are used, a 10-inch (254 mm) high smooth panel shall be installed on the push side of the door, which will allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition. (See Figure 11A-8J).

Exception: Automatic and sliding doors or gates.

SECTION 1127A COMMON USE FACILITIES

1127A.2.2 Single-accommodation toilet facilities. Single-accommodation toilet facilities shall comply with the following:

1. **Wheelchair Clearance.** There shall be sufficient space in the toilet room for a wheelchair measuring 30 inches (762 mm) wide by 48 inches (1219 mm) long to enter the room and permit the door to close. There shall be in the room a clear floor space of at least 60 inches (1524 mm) in diameter, or a T-shaped space complying with Figure 11A-1D.

...

5. **Accessible Route.** All doors, fixtures and controls shall be on an accessible route. The minimum clear width of an accessible route shall be 36 inches (914 mm) except at doors. (See Section 1126A). If a person in a wheelchair must make a turn around an obstruction, the minimum clear width of the accessible route shall be as shown in Figure 11A-1C. (See also Figure 11A-9B).

1127A.9.4 Clear floor or ground space for wheelchairs.

1127A.9.4.3.1 Gratings. Gratings located in ground and floor surfaces along accessible routes shall be limited to spaces no greater than ½-inch (12.7 mm) wide in one direction. If gratings have elongated openings, they shall be placed so that the long dimension is perpendicular to the ~~dominate~~ dominant direction of traffic.

1127A.9.5 Reach ranges.

1127A.9.5.2 Side reach. If the clear floor space allows parallel approach by a person in a wheelchair, the maximum high side reach allowed shall be 54 inches (1372 mm) and the low side reach shall be no less than 9 inches (228.6 mm) above the floor (see Figure 11A-1J(a) and 11A-1J(b)). If the side reach is over an obstruction, the reach and clearances shall be as shown in Figure 11A-1J(c).

1127A.10 Common accessible laundry rooms.

1127A.10.2 Clear floor space. There shall be a minimum clear space 30 inches perpendicular by 48 inches parallel (762 mm by 1219 mm) in front of clothes washers and dryers required to be accessible. There shall be a minimum clear space 30 inches by 48 inches (762mm by 1219 mm) provided for at least one of each type of fixture or appliance provided in the laundry room (e.g., soap dispensers, wash sinks, tables, storage areas).

1127A.11 Storage.

1127A.11.1 General. If fixed storage facilities such as cabinets, shelves, closets or drawers are provided where access is required by Sections ~~1.8.2.1.2~~ ~~108.2.1.2~~ and 1102A, at least one of each type of facility provided shall comply with this section. Additional storage may be provided outside of the reach ranges shown in Figure 11A-1J.

Division IV — DWELLING UNIT FEATURES

**SECTION 1132A
DOORS**

1132A.3 Width and height of doors. Doors shall comply with the following:

1. Doors shall not be less than 6 feet 8 inches (2032 mm) in height.
...
6. The width of any component in the means of egress system shall not be less than the minimum width required by Section ~~1005-4003.2-3~~.

1132A.4 Level floor or landing. See also Chapter 10, ~~Section 1003.3.1.6.2~~. The floor or landing on each side of a door shall be level. Primary entry doors, required exit doors or secondary exterior doors with changes in height between the interior surface or floor level and the exterior surface or floor level shall comply with the following:

1. Exterior landings of impervious construction (e.g., concrete, brick, flagstone) serving primary entry doors and required exit doors are limited to not more than 1/2 inch (12.7 mm) of change in height between floor surfaces. Changes in level shall comply with Section 1131A.
...

1132A.4.1 Thresholds. Thresholds at the primary entry and required exit doors shall be no higher than 1/2 inch (12.7 mm). Thresholds at secondary exterior doors, including sliding door tracks, shall be no higher than 3/4 inch (19.05 mm). Changes in height at interior door thresholds (e.g., floor material changes at door thresholds) shall not exceed 1/2 inch (12.7 mm). Thresholds shall comply with the following:

1. Thresholds with a change in height of not more than 1/4 inch (6.35 mm) may be vertical.
...

1132A.5 Maneuvering clearances at doors.

1132A.5.1 General. Maneuvering clearances at interior doors shall provide a minimum length on both sides of the door of at least 42 inches (1067 mm) measured at a right angle to the plane of the door in its closed position.

Exceptions:

1. A 39-inch (991 mm) length is acceptable when a minimum clear opening width of 34 inches (864 mm) is provided.
...

1132A.7 Type of lock or latch. The type of latch and lock required for all doors shall be in accordance with Chapter 10, Section ~~1008-4003.3.1.8~~.

1132A.9 Smooth surface. The bottom 10 inches (254 mm) of all doors shall have a smooth, uninterrupted surface to allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition. Where narrow frame doors are used, a 10-inch-high (254 mm) smooth panel shall be installed on the push side of the door which will allow the door to be opened by a wheelchair footrest without creating a trap or hazardous condition. ~~(See Figure 11A-8J).~~

Exception: Automatic and sliding doors.

1132A.10 Door signal devices. Every primary entrance to a covered multifamily dwelling unit shall be provided with a door buzzer, bell, chime or equivalent. The activating mechanism shall be mounted a maximum of 48 inches (1219 mm) above the floor and connected to permanent wiring.

**SECTION 1133A
KITCHENS**

1133A.2 Clear floor space. Clear floor space at kitchens shall comply with the following:

1. A clear floor space at least ~~30 inches~~ 30 inches (762 mm) by ~~48 inches~~ 48 inches (1219 mm) that allows a parallel approach by a person in a wheelchair shall be provided at the range or cooktop.

...

1133A.2.1 Clear width. Kitchens shall have a minimum clear width measured between any cabinet, countertop or the face of any appliance (excluding handles and controls) that projects into the kitchen and the opposing cabinet, countertop, appliance or wall as follows:

1. U-shaped kitchens, designed with parallel approach at a range or cooktop located at the base of the U, shall have a minimum clear width of at least 60 inches (1524 mm). (See Figure 11A-10A).
2. U-shaped kitchens, designed with a cooktop or sink located at the base of the U which provides a 30-inch wide (762 mm) knee space to a height of 27 inches (686 mm) above the floor to allow for a forward approach, shall have a clear width of at least 48 inches (1219 mm). (See Figure 11A-10A).

...

1133A.4.1 Repositionable countertops. Repositionable countertops shall be provided in a minimum of 5 percent of the covered multifamily dwelling units. Repositionable countertops shall comply with the following:

1. The kitchen sink and work surface space required by 1133A.4 shall be designed to enable repositioning to a minimum height of 28 inches (711 mm).

...

4. Finished flooring shall be extended to the wall beneath the sink and work surface.

Exceptions:

1. Stone, cultured stone and tiled countertops may be used without meeting the repositioning requirements.

...

**SECTION 1134A
BATHING AND TOILET FACILITIES**

1134A.6 Showers. Showers required to be accessible shall comply with this section.

1. **Size.** When one or more shower stalls are provided within the same dwelling unit, at least one shower stall shall comply with one of the following requirements.

2. **Slope.** The maximum slope of the shower floor shall be ½ inch (12.7 mm) per foot in any direction and shall slope to a drain located within ~~6 inches (152.4 mm)~~ of the rear wall. The floor surfaces shall be of Carborundum or grit-faced tile or of material providing equivalent slip resistance.

...

5. **Thresholds.** When a threshold is used, it shall be a maximum of 2 inches (50.8 mm) in height and have a beveled or sloped angle not exceeding 1 unit vertical in 2 units horizontal (26.6 degrees from the horizontal). Thresholds ½ inch (12.7 mm) or less in height may have a beveled or sloped angle not exceeding 1 unit vertical in 1 unit horizontal (45 degrees from the horizontal).

...

7. **Shower Enclosures.** Doors and panels of shower enclosures shall be substantially constructed from approved, shatter-resistant materials. Hinged shower doors shall open outward. Glazing used in doors and panels of shower enclosures shall be fully tempered, laminated safety glass or approved plastic. When glass is used, it shall have minimum thickness of not less than 1/8 inch (3.17 mm) when fully tempered, or ¼ inch (6.35 mm) when laminated, and shall pass the test requirements of this part, Chapter 24, Glass and Glazing. Plastics used in doors and panels of shower enclosures shall be of a shatter-resistant type.

1134A.8 Lavatories, vanities, mirrors and towel fixtures. 1134A.8 Lavatories, vanities, mirrors and towel fixtures. Bathrooms or powder rooms required to be accessible shall have at least one accessible lavatory. Where mirrors and towel fixtures are provided, at least one of each shall be accessible.

1. **Location.** Vanities and lavatories shall be installed with the centerline of the fixture a minimum of 18 inches (457 mm) horizontally from an adjoining wall or fixture to allow for forward approach. When parallel approach is provided, lavatories shall be installed with the centerline of the fixture a minimum of 24 inches (610 mm) horizontally from an adjoining wall or fixture. The top of the fixture rim shall be a maximum of 34 inches (864 mm) above the finished floor.

...

4. **Knee and Toe Space.** Knee and toe space shall be provided as follows:

4.1. The knee space shall be at least 30 inches (762 mm) wide and 8 inches (203.2 mm) deep.

...

SECTION 1136A ELECTRICAL RECEPTACLE, SWITCH AND CONTROL HEIGHTS

1136A.2 Switch and control heights. Controls or switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances, alarms or cooling, heating and ventilating equipment shall be located no more than 48 inches (1219 mm) measured from the top of the outlet box nor less than 15 inches (381 mm) measured from the bottom of the outlet box to the level of the finished floor or working platform. If the reach is over a physical barrier or an obstruction (for example, a kitchen base cabinet) between 20 and 25 inches (508 and 635 mm) in depth, the maximum height is reduced to 44 inches (1118 mm) for forward approach, or 46 inches (1168 mm) for side approach, provided the obstruction is no more than 24 inches (610 mm) in depth. Physical barriers or obstructions shall not extend more than 25 inches (635 mm) from the wall beneath a control.

Controls that do not satisfy these specifications are ~~acceptable provided~~ acceptable provided that comparable controls or outlets, that perform the same functions, are provided within the same area and are accessible.

Exception: Appliances (e.g., kitchen stoves, dishwashers, range hoods, microwave ovens and similar appliances) which have controls located on the appliance.

Division V — FEATURES COMMON TO EXTERIOR AND INTERIOR OF BUILDINGS

SECTION 1139A ACCESSIBLE DRINKING FOUNTAINS

1139A.3.1 Location. Water fountains shall be located completely within alcoves or otherwise positioned so as not to encroach into pedestrian ways. The alcove in which the water fountain is located shall not be less than 32 inches (813 mm) in width and 18 inches (457 mm) in depth. Protruding objects located in alcoves or otherwise positioned so as to limit encroachment into pedestrian ways are permitted to project 4 inches (102 mm) into walks, halls, corridors, passageways or aisles. (See Figure 11A-11A).

Exception: When the enforcing agency determines that it would create an unreasonable hardship to locate the water fountain in an alcove, the water fountain may project into the path of travel, and the path of travel shall be identifiable to the blind as follows:

1. The surface of the path of travel at the water fountain shall be textured so that it is clearly identifiable by a blind person using a cane. The minimum textured area shall extend from the wall supporting the water fountain to 1 foot (305 mm) beyond the front edge of the water fountain and shall extend 1 foot (~~305 mm~~ 305 mm) beyond each side of the water fountain, or

...

**SECTION 1140A
ACCESSIBLE TELEPHONES**

1140A.4 Mounting height. The highest operable part of the telephone shall be within the reach ranges specified in the Figure 11A-11B. Telephones mounted diagonally in a corner that require wheelchair users to reach diagonally shall have the highest operable part no higher than 54 inches (1372 mm) above the floor. (See Figure 11A-11B).

**SECTION 1142A
ELECTRICAL RECEPTACLE, SWITCH AND CONTROL HEIGHTS**

1142A.1 Receptacle heights. Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall be located no more than 48 inches (1219 mm) measured from the top of the receptacle outlet box or receptacle housing nor less than 15 inches (381 mm) measured from the bottom of the receptacle outlet box or receptacle housing to the level of the finished floor or working platform. If the reach is over an obstruction (for example, a kitchen base cabinet) between 20 and 25 inches (508 and 635 mm) in depth, the maximum height measured at the box is reduced to 44 inches (1118 mm) for forward approach, or 46 inches (1168 mm) for side approach, provided the obstruction is no more than 24 inches (610 mm) in depth. Obstructions shall not extend more than 25 inches (635 mm) from the wall beneath the receptacle.

Outlets that do not satisfy these specifications are acceptable provided that comparable outlets, that perform the same functions, are provided within the same area and are accessible.

Exceptions:

1. Receptacle outlets installed as part of permanently installed baseboard heaters are exempt.
...
4. This section shall not apply to existing buildings when the enforcing agency determines that compliance with these standards would create an unreasonable hardship.

Note: The intent of the measurement is to ensure that receptacles fall within the reach range of 15 inches to 48 inches (381 mm to 1219 mm).

**SECTION 1143A
SIGNAGE**

1143A.3 Directional and informational signs. When signs direct to or give information about permanent rooms and spaces of a building or site, they shall comply with 1143A.5, 1143A.6 and 1143A.7.

1143A.5 Finish and contrast. Characters, symbols and their background shall have a non-glare finish. Characters and symbols shall contrast with their background, either light on a dark background or dark on a light background.

Division VI — SITE IMPRACTICALITY TESTS

**SECTION 1150A
SITE IMPRACTICALITY TESTS**

1150A.1 General. Covered multifamily dwellings in buildings without an elevator, located on sites with difficult terrain conditions or unusual characteristics, may employ the site impracticality tests in this division for determining the accessibility and adaptability provisions required by this chapter.

Except as provided for in Section 1102A.3.1, the provisions of this section do not apply to multistory dwelling units in nonelevator buildings.

SINGLE BUILDING WITH ONE COMMON (LOBBY) ENTRANCE

The following may only be used for determining required access to covered multifamily dwelling units, in a single building with one common (lobby) entrance, located on a site with difficult terrain conditions or unusual characteristics:

All **ground-floor ground floor** units in nonelevator buildings shall be adaptable and on an accessible route unless an accessible route to the common (lobby) entrance is not required as determined by Test No. 1, Individual Building Test, or Test No. 3, Unusual Characteristics Test, as described in this section.

Sites where either Test No. 1 or Test No. 3 is used and it is determined that an accessible route to the common (lobby) entrance is not required, at least 20 percent of the ground floor dwelling units shall comply with Division IV, and all remaining ground floor dwelling units shall comply with the features listed in Section 1150A.2 unless exempted by Test No. 3, Unusual Characteristics Test.

Test No. 1-- Individual Building Test may only be used if the site has terrain over 15 percent slope.

Test No. 3 -- Unusual Characteristics Test may be used if applicable.

Provisions to Test Nos. 1 and 2. Where a building elevator is provided only as means of creating an accessible route to covered multifamily dwelling units on a ground floor, the building is not considered to be an elevator building for purposes of this code; hence, only the ground floor dwelling units would be covered.

TEST NO. 1 – INDIVIDUAL BUILDING TEST

...

TEST NO. 2 – SITE ANALYSIS TEST

For a site having multiple buildings, or a site with a single building with multiple entrances, it is not required to provide an accessible route to all ground floor units under the following conditions:

1. Calculate the percentage of the total buildable area of the undisturbed site with a natural grade less than 10-percent slope. The analysis of the existing slope (before grading) shall be done on a topographic survey with 2-foot (610 mm) contour intervals with slope determination made between each successive interval. The accuracy of the slope analysis shall be certified by a licensed engineer, landscape architect, architect or surveyor.
2. Determine the requirement of providing an accessible route to planned multifamily dwellings based on the topography of the existing natural terrain. The minimum percentage of **ground-floor ground floor** units required on an accessible route shall equal the percentage of the total buildable area (not restricted-use areas) of the undisturbed site with an existing natural grade of less than 10-percent slope. In no case shall less than 20 percent of the ground floor dwelling units be on an accessible route and comply with the provisions of Division IV.

...

TEST NO. 3 – UNUSUAL CHARACTERISTICS TEST

Unusual characteristics include sites located in a state or federally designated floodplain or coastal high-hazard areas and sites subject to other similar requirements of law or code that require the lowest floor or the lowest structural member of the lowest floor be designed to a specified level at or above the base flood elevation. An accessible route to a building entrance is impractical due to unusual characteristics of the site when:

1. The original site characteristics result in a difference in finished grade elevation exceeding 30 inches (762 mm) and 10 percent measured between an entrance and all vehicular or pedestrian arrival points within 50 feet (15 240 mm) of the planned entrance; or

...

Division VII — FIGURES (NOTE: FIGURES ATTACHED FOLLOWING EXPRESS TERMS)

FIGURE 11A-1D – MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS

Correct figure number of top right figure to "FIGURE 11A-1F."

FIGURE 11A-1I – FORWARD REACH

NOTE: X SHALL BE LESS THAN OR EQUAL TO 25 INCHES, Z SHALL BE GREATER THAN ...

FIGURE 11A-1L – CORRIDOR OVER 200 FEET (60 960 mm)

Insert "feet" after "200" under top right graphic.

FIGURE 11A-2B – ~~DIAGONAL PARKING STALLS~~ SINGLE AND VAN ACCESSIBLE PARKING STALLS

FIGURE 11A-3E – CURB DETAIL

Complete description of retaining curb in middle of page to read "RETAINING CURB IF NECESSARY AT BACK OF SIDEWALK."

FIGURE 11A-3H/FIGURE 11A-3I and FIGURE 11A-3J/FIGURE 11A-3K.

Reverse order of pages to keep figures in correct sequence.

FIGURE 11A-6B – STAIR HANDRAILS

Delete extraneous reference to "18" MIN." between top two figures.

FIGURE 11A-7B – ELEVATOR CONTROL PANEL

Correct spelling of "numeral" at top of figure.

FIGURE 11A-8B – HINGE SIDE APPROACHES – SWINGING DOORS

Correct spelling of "swinging" in figure title.

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

7. HCD proposes to adopt Chapter 35 with amendments as follows:

**CHAPTER 35
REFERENCED STANDARDS**

This chapter lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the effective date and title, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in Chapter 1, Administration, Division I, Sections 404-5 1.1.5 and 404-7 1.1.7 and in Appendix Chapter 1, Administration, Division II, Section 102.4

ICC	International Code Council 500 New Jersey Avenue, NW 6th Floor Washington, DC 20001	
Standard Reference Number	Title	Referenced in code section number
ICC/ANSI A117.1—03	Accessible and Usable Buildings and Facilities	406.2.2, 907.9.1.4, 1007.6.5, 1010.1, 1010.6.5, 1010.9, 1011.3, 1101.2, 1102.1, 1103.2.14, 1106.7, 1107.2, 1108.2.2, 1109.1, 1109.2, 1109.2.1.1, 1109.2.2, 1109.2.3, 1109.3, 1109.4, 1109.8, 2902.4, 3001.3, 3008.13.1, 3008.13.2, 3411.6, 3411.8.2, 3411.8.3, E101.2, E104.2, E104.2.1, E104.3, E104.3.1, E104.3.4, E105.1, E105.2.1, E105.2.2, E105.3, E105.4, E105.6, E106.2, E106.3, E106.4, E106.4.9, E106.5, E107.2, E107.3, E108.3, E108.4, E109.2.1, E109.2.2.1, E109.2.2.2, E109.2.2.3, E109.2.3, E110.4

NOTE:

Authority Cited: Health and Safety Code Sections 17040, 17050, 17920.9, 17921, 17921.3, 17921.6, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11 and 19990; and Government Code Section 12955.1.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

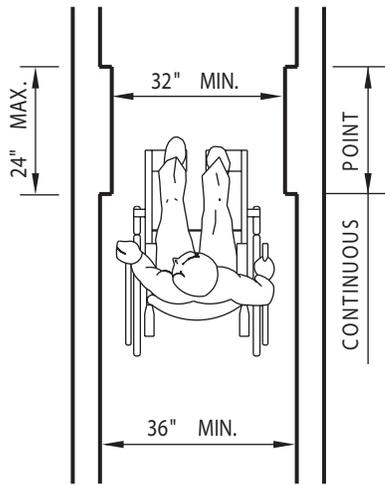


FIGURE 11A-1E—MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR

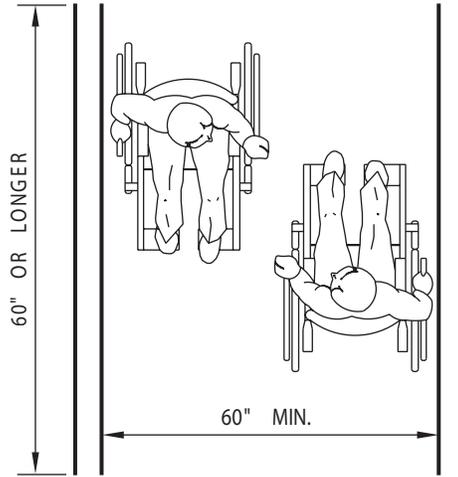
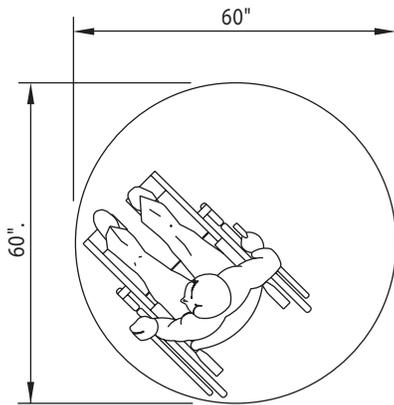
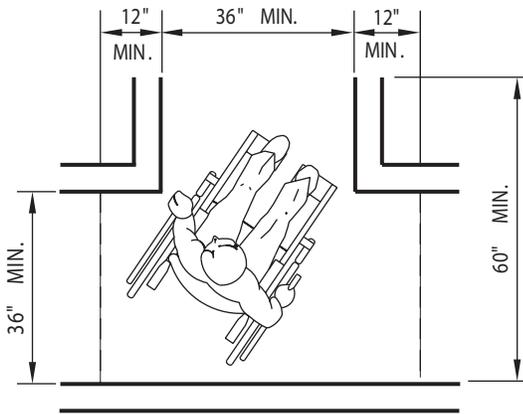


FIGURE 11A-4B 1E—MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS



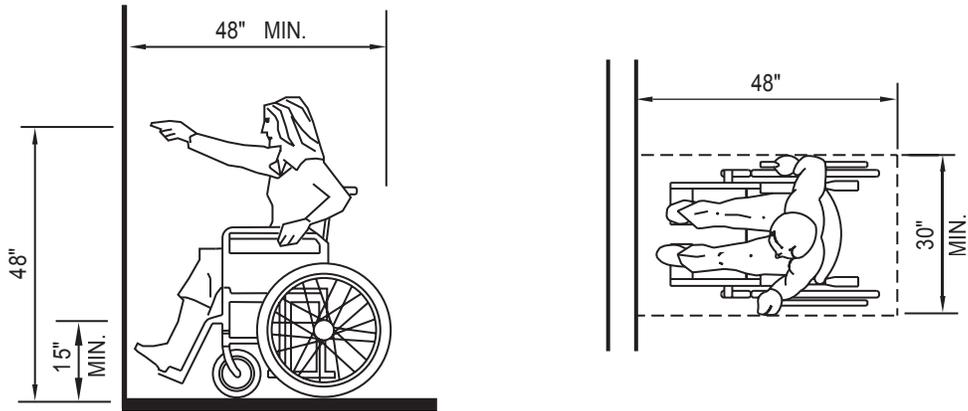
(a) 60 INCHES DIAMETER SPACE



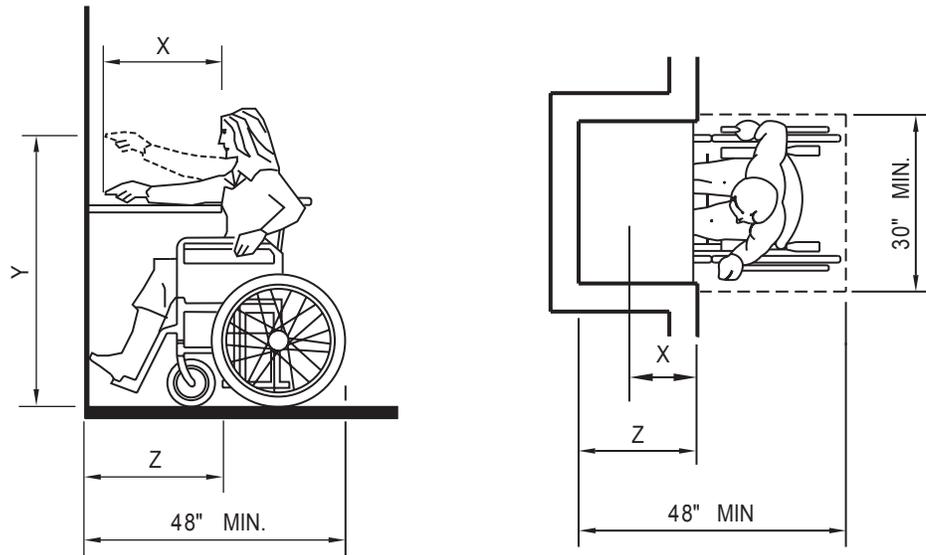
(b) T-SHAPED SPACE FOR 180° TURNS

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

FIGURE 11A-1D—WHEELCHAIR TURNING SPACE



(a) HIGH FORWARD REACH LIMIT

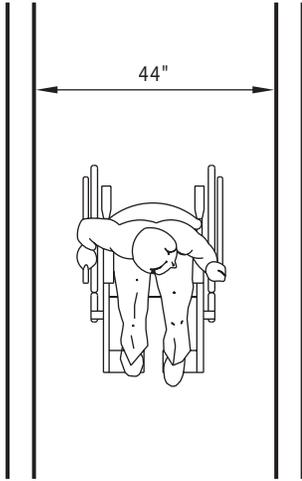


NOTE :
 X SHALL BE LESS THAN OR EQUAL TO 25 INCHES. Z SHALL BE GREATER THAN OR EQUAL TO X. WHEN X IS LESS THAN 20 INCHES, THEN Y SHALL BE 48 INCHES MAXIMUM. WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.

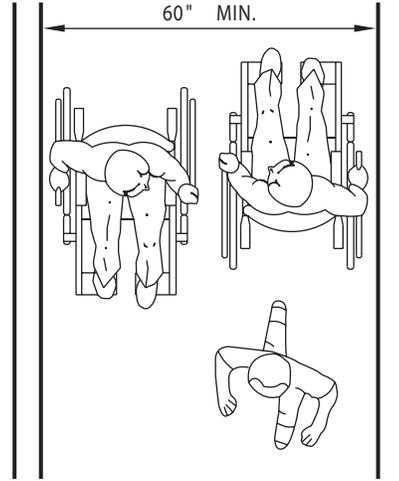
(b) MAXIMUM FORWARD REACH OVER AN OBSTRUCTION

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION

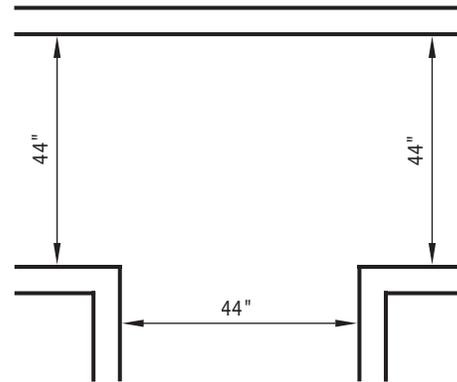
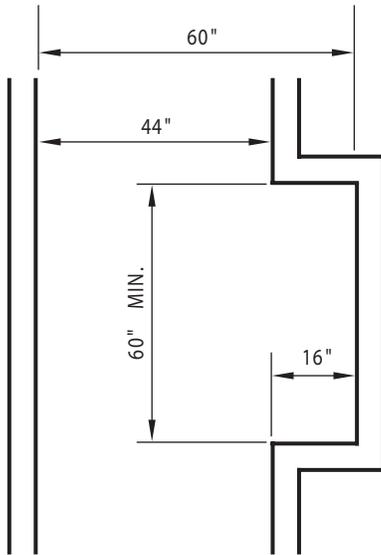
FIGURE 11A-11—FORWARD REACH



MINIMUM CORRIDOR WIDTH



MINIMUM WIDTH FOR
CORRIDORS OVER 200 FEET



PASSING ALCOVES FOR CORRIDORS OVER
200' IN LIEU OF 60" MIN. WIDTH

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS
OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID
FOR BUILDING DESIGN AND CONSTRUCTION.

FIGURE 11A-1L—CORRIDOR OVER 200 FEET (60 960 mm)

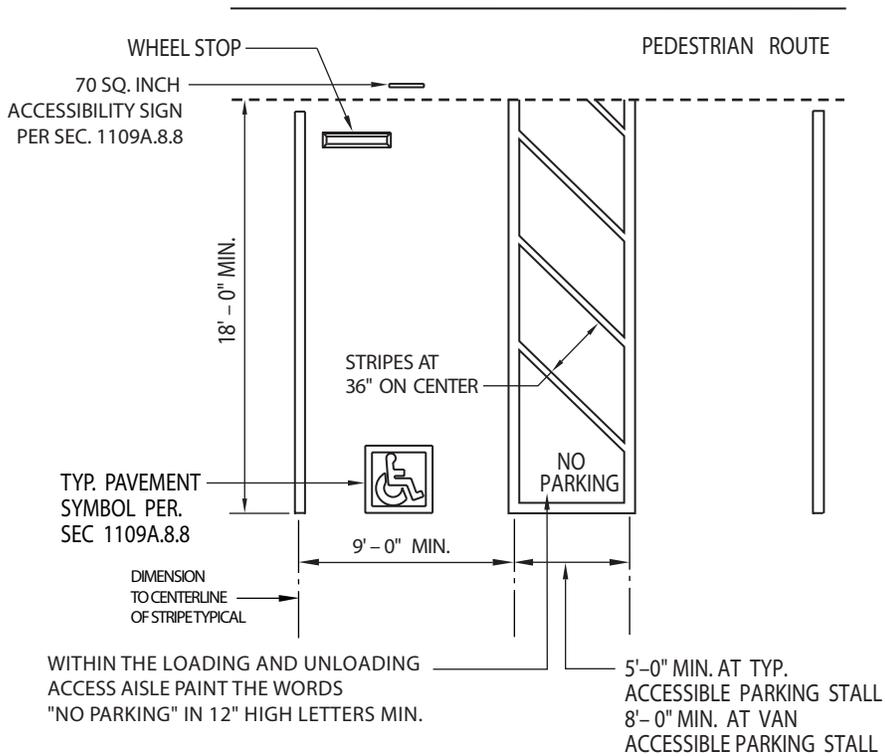


FIGURE 11A-2B—DIAGONAL SINGLE AND VAN ACCESSIBLE PARKING STALLS

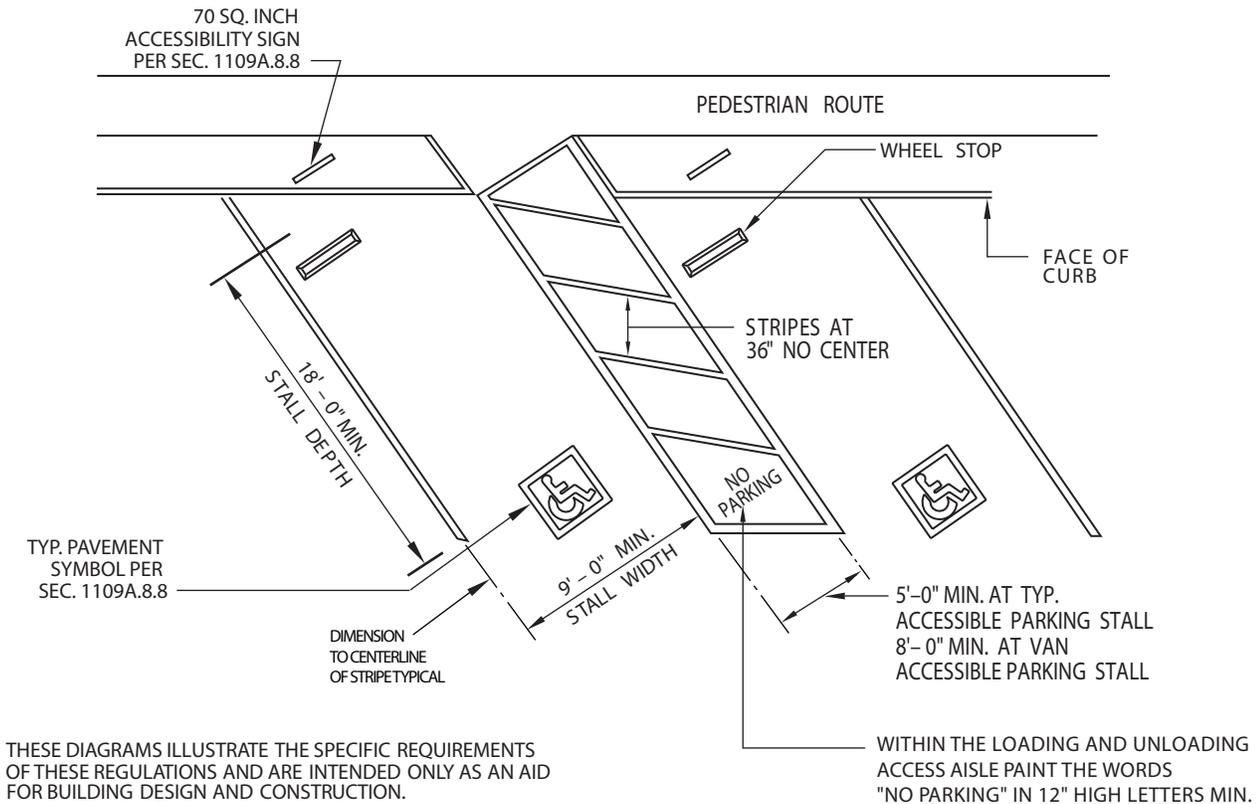


FIGURE 11A-2C—DIAGONAL PARKING STALLS

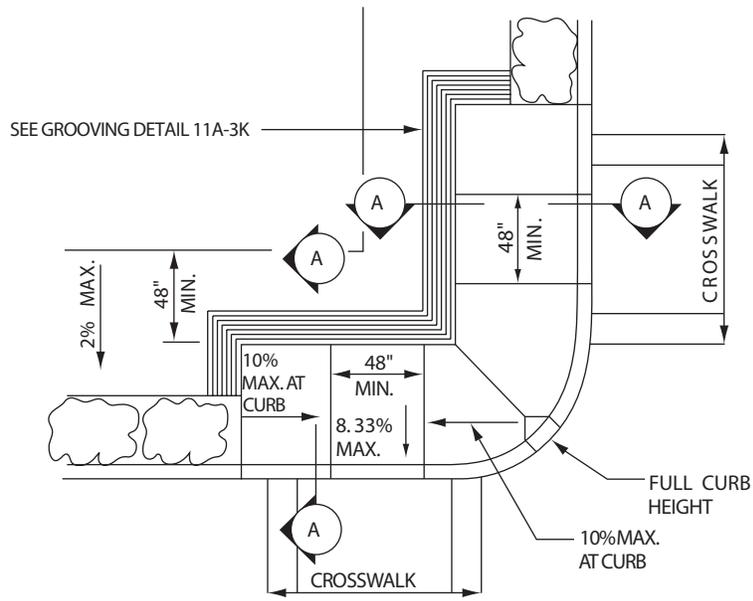


FIGURE 11A-3D—CURB DETAIL

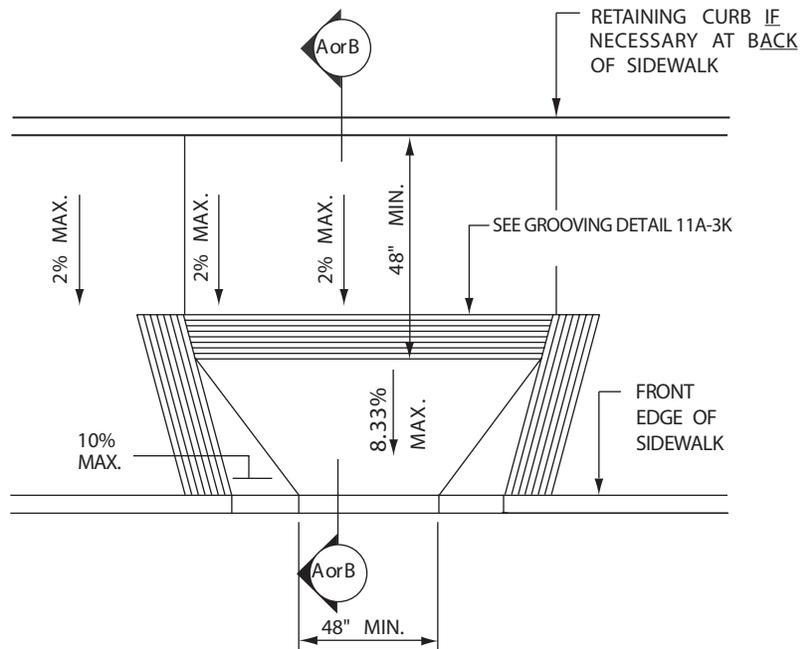


FIGURE 11A-3E—CURB DETAIL

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

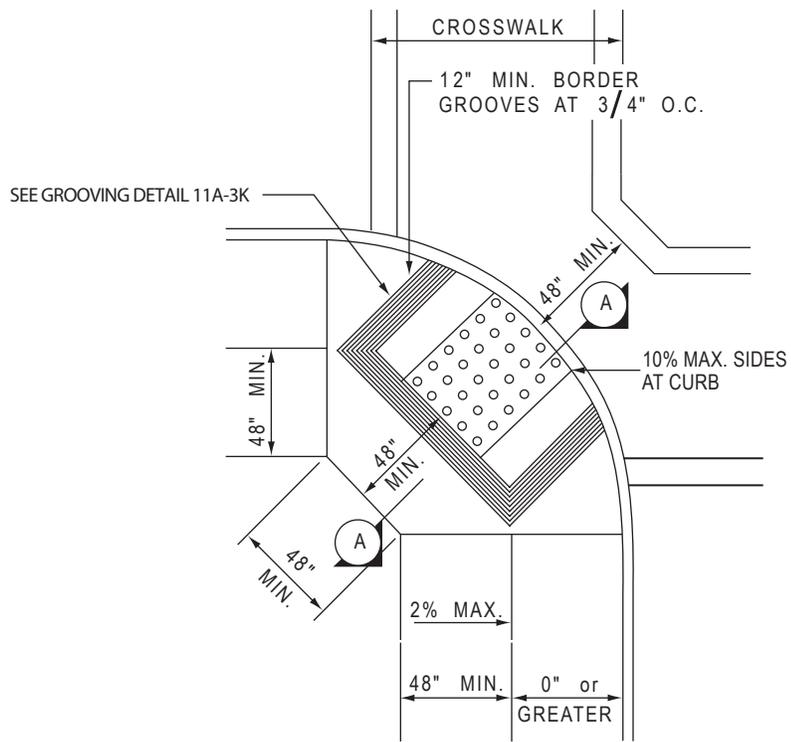


FIGURE 11A-3H—CURB DETAIL

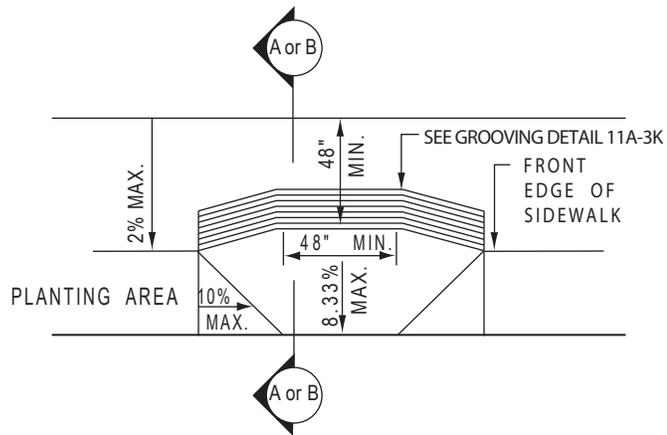


FIGURE 11A-3I—CURB DETAIL

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

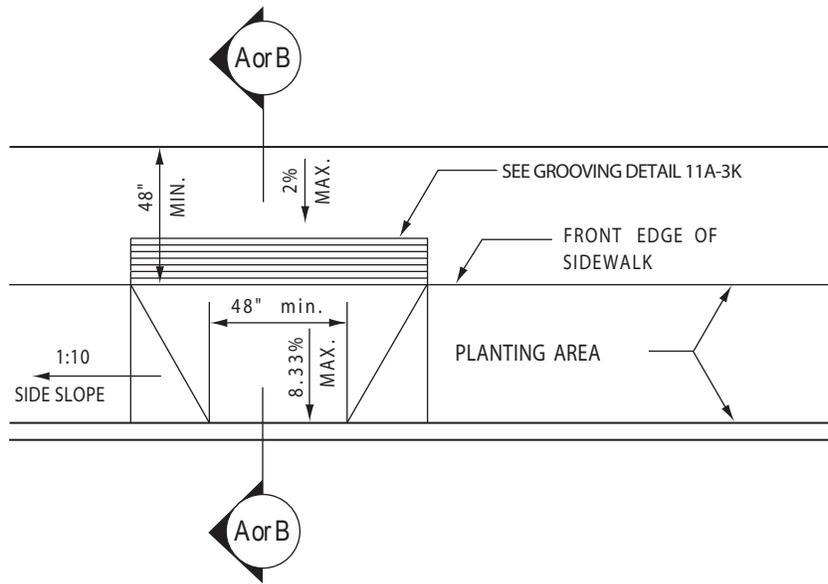
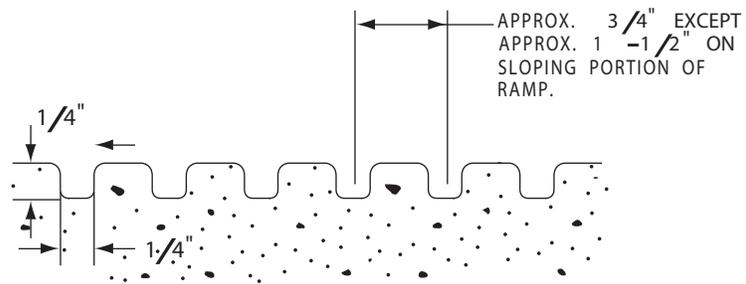


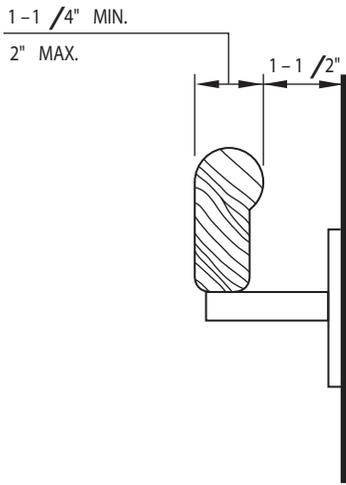
FIGURE 11A-3J—CURB DETAIL



GROOVING DETAIL

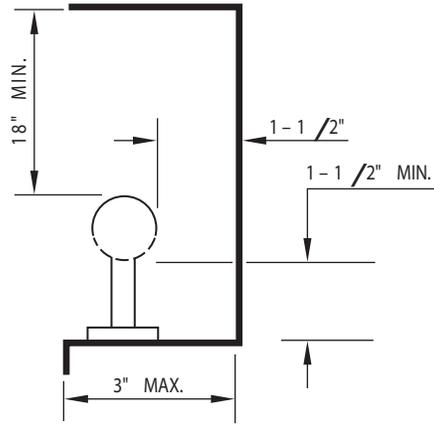
FIGURE 11A-3K—CURB DETAIL

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

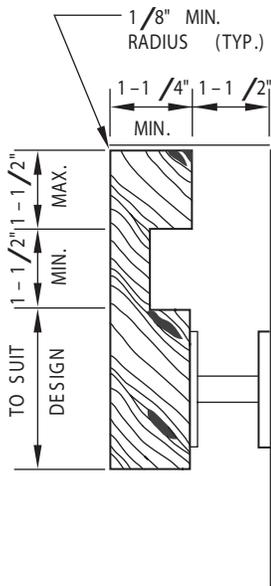


(a)

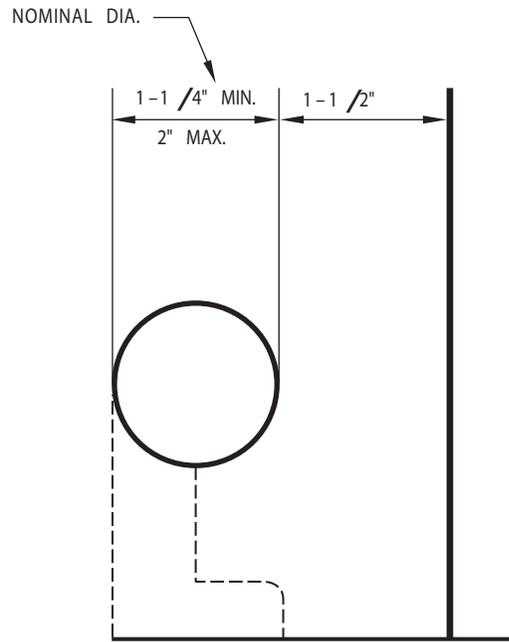
18" MIN.



(b)



(c)

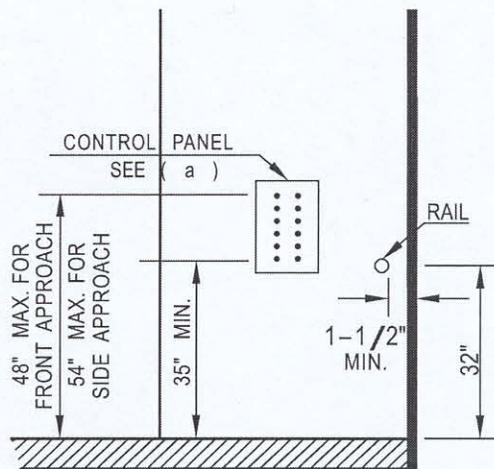
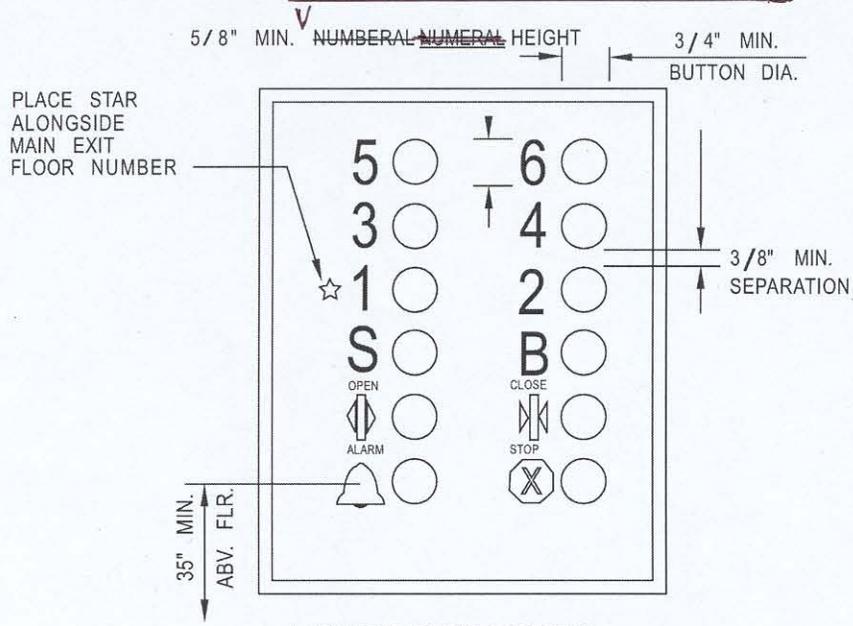


(d)

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

FIGURE 11A-6B—STAIR HANDRAILS

CHARACTERS AND SYMBOLS



THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

FIGURE 11A-7B—ELEVATOR CONTROL PANEL

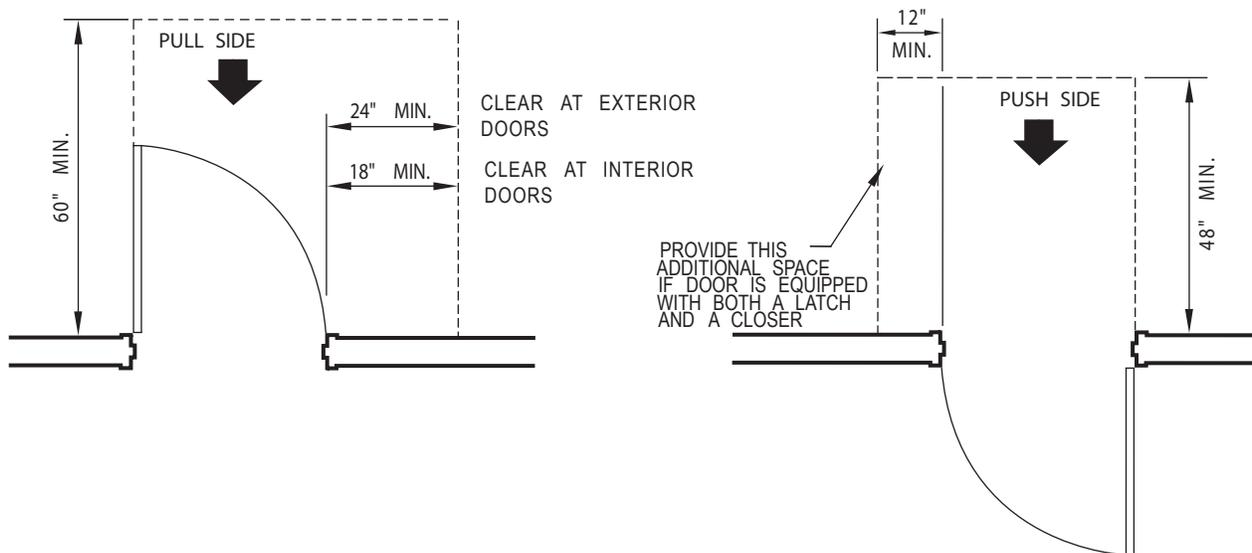


FIGURE 11A-8A—FRONT APPROACHES - SWINGING DOORS

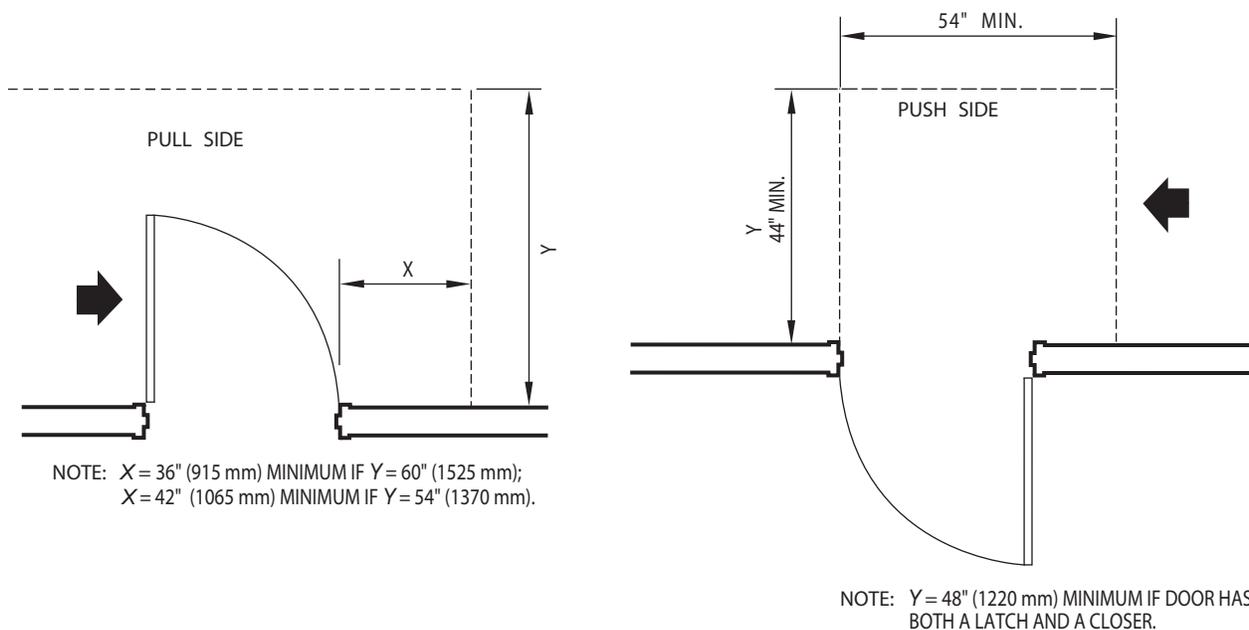


FIGURE 11A-8B—HINGE SIDE APPROACHES - SWINGING SWINGING DOORS

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

LEVEL MANEUVERING CLEARANCE AT DOORS