

**EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
REGARDING PROPOSED CHANGES TO THE 2007 CALIFORNIA BUILDING CODE (CBC)
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2
(CHAPTER 11A HOUSING ACCESSIBILITY)**

The Department of Housing and Community Development (HCD) proposes to make necessary changes to the 2007 edition of the California Building Code (CBC), based on the 2006 International Building Code (IBC), as presented on the following pages. HCD further proposes to:

- Adopt necessary amendments to the model code;
- Repeal amendments to the model code that are no longer necessary.

LEGEND FOR EXPRESS TERMS:

1. Existing California amendments or code language being modified: *All language appears in italics, modified language is underlined or shown in ~~strikeout~~.*
 2. IBC language with new California amendments: IBC language in normal Arial 9 point; *California amendments to IBC text shown underlined and in italics.*
 3. Repealed text: All language appears in ~~strikeout~~.
 4. Notation: Authority and Reference citations are provided at the end of each chapter.
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**CHAPTER 11A
HOUSING ACCESSIBILITY**

Division I — APPLICATION, GENERAL PROVISIONS AND DEFINITIONS

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Section 1106A Site and Building Characteristics

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SECTION 1101A — APPLICATION

1101A.1 Scope. *The application and authority of this chapter are identified and referenced in Sections 108.2.1.2 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.*
2. *New common use spaces serving existing covered multifamily dwellings.*
3. *Additions to existing buildings where the addition alone meets the definition of a covered multifamily dwelling.*
4. *Common use areas serving covered multifamily dwellings.*

5. Where the facade of a building 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 the purpose of determining the application of this chapter.

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) and are referenced in Section 109.1.1.

SECTION 1102A — BUILDING ACCESSIBILITY

1102A.3.2 Multistory dwelling units in buildings with one or more elevators. ~~Multistory dwelling units, i.e., townhouse and condominium-type construction,~~ Multistory dwelling units in buildings with elevators shall comply with this section. For multistory dwelling units in buildings with elevators, the story of the unit that is served by the building elevator is considered a ground floor and the primary entry floor to the unit and shall comply with the following:

- ~~1. All rooms and spaces located on the primary entry floor shall comply with the following:~~ At least one powder room or bathroom shall be located on the primary entry level.
2. All rooms or spaces located on the primary entry level shall be served by an accessible route and shall comply with Division IV.

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.

Dwelling units constructed as senior citizen housing may also be subject to the Unruh Civil Rights Act. Refer to Division I, Part 2 of the California Civil Code. For additional information, contact the California Department of Fair Employment and Housing.

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 109.1.1.

SECTION 1104A — ~~GROUP R OCCUPANCIES~~ COVERED MULTIFAMILY DWELLINGS

SECTION 1105A — ~~GROUP U OCCUPANCIES~~ GARAGES, CARPORTS AND PARKING FACILITIES

1105A.1 General. ~~Group U, Division 1, private-g~~ Garages, carports and other parking facilities which are accessory to covered multifamily dwelling units shall be accessible as required in Section 1109A. ~~Group U, Division 1, private garages include individual garages and multiple individual garages grouped together.~~

SECTION 1107A — DEFINITIONS

1107A.2-B

BATHROOM is, for the purposes of this chapter, a room which includes a water closet (toilet), lavatory (sink), and/or a bathtub and/or a shower. It does not include single fixture facilities or those with only a water closet and lavatory. It does include a compartmented bathroom. A compartmented bathroom is one in which the fixtures are distributed among interconnected rooms. A compartmented bathroom is considered a single unit and is subject to the requirements of this chapter.

1107A.20-T

~~**TOEBOARD** is a vertical barrier erected along the open edges of floor openings or floor holes, platforms and runways.~~

~~**TOWNHOUSE** is a multistory dwelling unit.~~

Division II — EXTERIOR FACILITIES

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Section 1108A General Requirements for Accessible Parking and Exterior Routes of Travel

Section 1109A Parking Facilities

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Section 1115A Exterior Stairways ~~along Accessible Routes~~

Section 1116A Hazards on Accessible Routes

SECTION 1109A — PARKING FACILITIES

1109A.2 Parking facilities. Parking facilities shall include, but not be limited to, the following:

1. Garages.
2. Private garages ~~(see Section 1105A for the application of building standards for accessibility).~~
3. Carports.
4. Off-street parking (parking lots / spaces).

1109A.2.1 Private garages. ~~Group U, Division 1, p Private garages which are~~ accessory to covered multifamily dwelling units, shall be accessible as required in Section 1109A. ~~Group U, Division 1, p Private garages include individual garages and multiple individual garages grouped together.~~

Exception: ~~An attached private garage attached to and which directly serves~~ serving a single covered multifamily dwelling unit which ~~provides at least one of the following: is an accessible garage if a person with a disability can exit the dwelling unit's accessible entry door by an accessible route and enter the garage from the driveway. The provisions in Section 1109A shall not apply.~~

1. A door from the dwelling unit leading directly into the garage providing the required accessibility provisions of Section 1132A, and the specific criteria listed in subsections 1.1 through 1.3.
 - 1.1. Landings shall have no more than ½ inch (12.7 mm) change in height between floor levels as outlined in Section 1132A.4.
 - 1.2. Thresholds shall be no higher than ½ inch (12.7 mm) as outlined in Section 1132A.4.1.
 - 1.3. An 18 inch (457.2 mm) minimum strike edge clearance as specified in Section 1132A.5.2 shall be provided on both sides of the door.
2. A door providing the required accessibility provisions of Section 1132A, and the specific criteria listed in subsections 2.1 through 2.4.
 - 2.1. An accessible route leading from the door to an accessible door entering the garage.

- 2.2. The exterior door entrance at an attached private garage shall have a 24 inch (609.6 mm) minimum strike side clearance complying with Section 1132A.1. The interior strike side may be 18 inches (457.2 mm) minimum as permitted in Section 1132A.5.2.
- 2.3. Thresholds shall be no higher than ½ inch (12.7 mm) as outlined in Section 1132A.4.1.
- 2.4. Changes in level shall comply with Section 1131A.
- 3. A primary entry door providing the required accessibility provisions of Section 1132A, and the specific criteria listed in subsections 3.1 through 3.2.
 - 3.1. An accessible route leading from the primary entry door leading to the driveway, where a person with a disability may then enter the garage through the vehicular entrance.
 - 3.2. Changes in level shall comply with Section 1131A.

1109A.8.8 Parking signage. Each accessible parking space reserved for persons with disabilities shall be identified by a reflectorized 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 complying with Section 1109A.8.6 shall have an additional sign or additional language stating "Van Accessible" ~~mounted~~ 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 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 license plates issued for persons with disabilities may be towed away at 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.

In addition to the above requirements, the surface of each accessible parking space shall have a surface identification duplicating either of the following schemes:

- 1. By outlining or painting the stall or space in blue and outlining on the ground in the stall or space in white or suitable contrasting color the "International Symbol of Accessibility"; or,
- 2. By outlining the "International Symbol of Accessibility" in white on blue background. The "International Symbol of Accessibility" shall be located so that it is visible to a traffic enforcement officer when a vehicle is properly parked in the space and shall be 36 inches high by 36 inches wide (914 mm by 914 mm).

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

SECTION 1112A CURB RAMPS ON ACCESSIBLE ROUTES

1112A.9 Detectable warnings. See Chapter 11B, Section 1127B.5 Item § 7.

SECTION 1114A EXTERIOR RAMPS AND LANDINGS ON ACCESSIBLE ROUTES

1114A.2 Slope. The maximum slope of ramps on an accessible route shall be no greater than 1 unit vertical in 12 units horizontal (8.33 percent slope). Transitions from ramps to walks, gutters or streets shall be flush and free of abrupt changes.

Exception: Ramps serving decks, patios or balconies as specified in Section 1132A.4.

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.

Exception:

1. Curb ramps.
2. Ramps that serve an individual dwelling unit may have one handrail, except that ramps open on one or both sides shall have handrails provided on the open side or sides.
3. Ramps at exterior door landings less than 6 inches (152 mm) rise or less than 72 inches (1829 mm) in length.

1114A.6.2.4 Handrail projections. Handrails projecting from a wall shall have a minimum space of 1½ inches (38.1 mm) between the wall and the handrail. Handrails shall not reduce the required minimum clear width of ramps.

Handrails may be located in a recess if the recess is a maximum of 3 inches (76.2 mm) deep and extends at least 18 inches (457 mm) above the top of the rail. Any wall or other surface adjacent to the handrail shall be free of sharp or abrasive elements. (See Figure 11A-6B).

SECTION 1115A EXTERIOR STAIRWAYS ALONG ACCESSIBLE ROUTES

1115A.1 General. Exterior stairways serving ~~floors or buildings on a site containing covered multifamily dwelling units required to be accessible~~ shall comply with this section.

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

1115A.2 Open risers. Open risers ~~shall are not be permitted along accessible routes on exterior stairways.~~

Exception:

1. An opening of not more than ½ inch (12.7 mm) may be permitted between the base of the riser and the tread.
2. Risers constructed of grating containing openings of not more than ½ inch (12.7 mm) may be permitted.

1115A.5 Striping for the visually impaired. ~~Where Exterior stairways occur outside a building along accessible routes, serving buildings on a site containing covered multifamily dwelling units shall have the upper approach and all treads shall be marked by a strip of clearly contrasting color.~~

The strip shall be at least a minimum of 2 inches (50.8 mm) wide to with a maximum width of 4 inches (101.6 mm), wide and placed parallel to, and not more than 1 inch (25.4 mm) from, the nose of the step or landing to alert the visually impaired. The strip shall extend to within 3 inches (76.2 mm) from the edges on both sides of the upper approach and treads. The strip shall be of a material that is at least as slip resistant as the treads of the stair. A painted strip shall be acceptable.

1115A.6 Exterior stairway handrails.

1115A.6.2.4 Handrail projections. Handrails projecting from a wall shall have a minimum space of 1½ inches (38.1 mm) between the wall and the handrail.

Handrails may be located in a recess if the recess is a maximum of 3 inches (76.2 mm) deep and extends at least 18 inches (457 mm) above the top of the rail. Any wall or other surface adjacent to the handrail shall be free of sharp or abrasive elements. (See Figure 11A-6B).

Division III — BUILDING FEATURES

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Section 1125A Hazards on Accessible Routes

Section 1126A Doors

Section 1127A Common Use Facilities

SECTION 1122A INTERIOR RAMPS AND LANDINGS ON ACCESSIBLE ROUTES

1122A.5.2.4 Handrail projections. Handrails projecting from a wall shall have a minimum space of 1½ inches (38.1 mm) between the wall and the handrail.

Handrails may be located in a recess if the recess is a maximum of 3 inches (76.2 mm) deep and extends at least 18 inches (457 mm) above the top of the rail. Any wall or other surface adjacent to the handrail shall be free of sharp or abrasive elements. (See Figure 11A-6B).

SECTION 1123A INTERIOR STAIRWAYS ~~ALONG ACCESSIBLE ROUTES~~

1123A.1. General. Interior stairways serving ~~floors or buildings containing covered multifamily dwelling units required to be accessible~~ shall comply with this section.

1123A.2 Open risers. Open risers shall not be permitted ~~along accessible routes~~ on interior stairways.

Exception: Stairways within an individual dwelling unit.

1123A.5 Striping for the visually impaired. The upper approach and the lower tread of each ~~stair along routes required to be accessible~~ interior stairway shall be marked by a strip of clearly contrasting color. The strip shall be at least a minimum of 2 inches (50.8 mm) wide to with a maximum width of 4 inches (101.6 mm), wide placed parallel to, and not more than 1 inch (25.4 mm) from, the nose of the step or landing to alert the visually impaired. The strip shall extend to within 3 inches (76.2 mm) from the edges on both sides of the upper approach and lower tread. The strip shall be of material that is at least as slip resistant as the other treads of the stair. A painted strip shall be acceptable.

Exception: Stairways within an individual dwelling unit.

1123A.6 Interior stairway handrails.

1123A.6.2.3 Handrail extension. Handrails shall extend a minimum of 12 inches (305 mm) beyond the top nosing and 12 inches (305 mm), plus the tread width, beyond the bottom nosing. Where the extension creates a hazard, the termination of the extension shall be rounded or returned smoothly to floor, wall or post. Where the stairs are continuous from landing to landing, the

inner rail shall be continuous and need not extend out into the landing. (See Figures 11A-6A and 11A-6E).

Exception: Stairways within an individual dwelling unit.

1123A.6.2.4 Handrail projections. Handrails projecting from a wall shall have a minimum space of 1½ inches (38.1 mm) between the wall and the handrail.

Handrails may be located in a recess if the recess is a maximum of 3 inches (76.2 mm) deep and extends at least 18 inches (457 mm) above the top of the rail. Any wall or other surface adjacent to the handrail shall be free of sharp or abrasive elements. (See Figure 11A-6B).

SECTION 1124A ELEVATORS AND SPECIAL ACCESS (WHEELCHAIR) LIFTS

1124A.3.3.2 Car control buttons. Passenger elevator car controls shall have a minimum dimension of ¾ inch (49.05 19.1 mm) and shall be raised 1/8 inch (3.17 3.2 mm) plus or minus 1/32 inch (0.8 mm) above the surrounding surface.

Control buttons shall be illuminated, shall have square shoulders and shall be activated by a mechanical motion that is detectable.

All control buttons shall be designated by a 5/8-inch-minimum (45.85 15.9 mm) ~~Arabic numeral, standard alphabet~~ raised characters ~~or~~ and standard raised symbols that comply with Sections 1124A.3.3.3 and 1124A.3.3.4 immediately to the left of the control button. A Braille symbol that conforms to Section 1124A.3.3.4 shall be located immediately below the numeral, character or symbol. A minimum clear space of 3/8 inch (9.5 mm) or other suitable means of separation shall be provided between rows of control buttons. **Note:** (See Figure 11A-7B.)

The raised characters and symbols shall be white on a black background. Controls and emergency equipment identified by raised symbols shall include, but not be limited to, "door open," "door close," "alarm bell," "emergency stop" and "telephone." The call button for the main entry floor shall be designated by a raised star at the left of the floor designation.

1124A.3.3.3 Raised characters and pictorial symbol signs. When raised characters are required or when pictorial symbols (pictograms) are used on such signs, they shall conform to the following requirements:

1. Character Type. Characters on signs shall be raised 1/32 inch (0.794 mm) minimum and shall be sans serif uppercase characters accompanied by Grade 2 Braille complying with Section 1124A.3.3.4.

2. Character Size. Raised characters shall be a minimum of 5/8 inch (15.9 mm) and a maximum of 2 inches (51 mm) high.

3. Pictorial Symbol Signs (Pictograms). Pictorial symbol signs (pictograms) shall be accompanied by the verbal description placed directly below the pictogram. The outside dimension of the pictogram field shall be a minimum of 6 inches (152 mm) in height.

4. Character Placement. Characters and Braille shall be in a horizontal format. Braille shall be placed a minimum of 3/8 inch (9.5 mm) and a maximum of ½ inch (12.7 mm) directly below the tactile characters, flush left or centered. When tactile text is multilined, all Braille shall be placed together below all lines of tactile text.

1124A.3.3.4 Braille. Contracted Grade 2 Braille shall be used wherever Braille is required in other portions of these standards. Dots shall be 1/10 inch (2.54 mm) on center in each cell with 2/10 inch (5.08 mm) space between cells, measured from the second column of dots in the first cell to the first column of dots in the second cell. Dots shall be raised a minimum of 1/40 inch (0.635 mm) above the background. Braille dots shall be domed or rounded.

1124A.4 Hall call buttons. Call operation buttons shall be centered 42 inches (1067 mm) above the floor. Buttons shall be a minimum of ¾ inch (49.05 19.1 mm) in size and shall be raised 1/8 inch

~~(3.47~~ 3.2 mm) plus or minus 1/32 inch (0.8 mm) above the surrounding surface. The button designating the "Up" direction shall be on top.

Visual indication shall be provided to show each call registered and extinguished when answered. Objects adjacent to, and below, hall call buttons shall not project more than 4 inches (101.6 mm) from the wall. Hall call buttons shall be internally illuminated with a white light over the entire surface of the button.

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SECTION 1132A DOORS

1132A.2 Interior doors and secondary exterior doors. Doors intended for user passage and secondary exterior doors shall comply with this section. The provisions of this section shall apply to the dwelling unit side of doors leading from the interior of the dwelling unit to an unfinished basement or an attached garage attached to a single-story dwelling unit.

Both sides of doors leading from the interior of the dwelling unit to an attached garage shall comply with Section 1132A when used as an accessible route into the garage as provided in Section 1109A.2.1.

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 ½ inch (12.7 mm) of change in height between floor surfaces. Changes in level shall comply with Section 1131A.
2. Exterior landings of pervious construction (e.g., wood decking with spaces) shall be the same level as the interior landing, except that secondary exterior doors may have no more than ½ inch (12.7 mm) of change in height between floor surfaces. Changes in level shall comply with Section 1131A.
3. Secondary exterior doors onto decks, patios or balcony surfaces constructed of impervious materials (e.g., concrete, brick, flagstone) may have a maximum change in height from the interior landing of 4 inches (101.6 mm). Changes in height greater than ½ inch (12.7 mm) shall be accomplished by means of a ramp complying with Section 1114A or by means of a platform constructed to the level of the floor as illustrated in Figure 11A-8J.
4. Secondary exterior doors onto decks, patios or balcony surfaces constructed of impervious materials (e.g. concrete, brick, flagstone) may have a maximum change in height from the interior landing of 1 inch (25.4 mm), provided a ramp with a maximum slope of 1:8 is permanently installed. Handrails at exterior door ramps shall comply with Section 1114A.6. (See Figure 11A-8K.)

Exception: Ramps at exterior door landings less than 6 inches (152 mm) rise or less than 72 inches (1829 mm) in length shall not require handrails. (See Section 1114A.6.)

4.5. In buildings containing covered multifamily dwelling units, the floor or landing immediately outside the entry may be sloped up to ¼ inch (6.35 mm) per foot (12 inches) (305 mm) in a direction away from the primary entrance of the dwelling unit for drainage.

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.

Exception:

1. A 39 inch (991 mm) length is acceptable when a minimum clear opening width of 34 inches (864 mm) is provided.
2. The floor or landing on the dwelling unit side of the primary entry door and any required exit door shall have a minimum length of not less than 44 inches (1118 mm). Section 1126A.3 shall apply to maneuvering clearances at the side of the door exposed to common or public use spaces.

Note: See Section 1110A.5.3, item #4.

SECTION 1134A BATHING AND TOILET FACILITIES

1134A.2 Number of complying bathrooms. Bathrooms shall be designed to comply with one of the following options:

Option 1. All bathrooms within the dwelling unit shall be designed to comply with the following:

1. Toilet, bathing and shower facilities shall comply with Section 1134A.4.
2. Bathtubs shall comply with Section 1134A.5.
3. Showers shall comply with Section 1134A.6.
4. Water closets shall comply with Section 1134A.7.
5. Lavatories, vanities, mirrors and towel fixtures shall comply with Section 1134A.8.
6. Bathrooms shall be provided with an accessible route into and through the bathroom.
7. If a door is provided, it shall comply with the requirements of Section 1132A.5.
8. A minimum 18-inch (457 mm) clear maneuvering space shall be provided on the swing side of the door at the strike edge of the door.
9. Switches, outlets and controls shall comply with Section 1142A.
10. Reinforced walls to allow for the future installation of grab bars around the toilet, tub and shower shall comply with Sections 1134A.5 for bathtubs, 1134A.6 for showers and 1134A.7 for water closets. Grab bars shall comply with Section 1127A.4.

Option 2. Only one bathroom within the dwelling unit shall be designed to comply with the following:

1. Toilet, bathing and shower facilities shall comply with Section 1134A.4.
2. Bathtubs shall comply with Section 1134A.5.
3. Showers shall comply with Section 1134A.6.
4. Water closets shall comply with Section 1134A.7.
5. Lavatories, vanities, mirrors and towel fixtures shall comply with Section 1134A.8.

6. Where both a tub and shower are provided in the bathroom, at least one shall be made accessible. (See Section 1134A.5 for bathtubs or Section 1134A.6 for showers.)
7. When two or more lavatories are provided, at least one shall be made accessible and comply with Section 1134A.8.
8. Bathrooms shall be provided with an accessible route into and through the bathroom.
9. If a door is provided, it shall comply with the requirements of Section 1132A.5.
10. A minimum 18-inch (457 mm) clear maneuvering space shall be provided on the swing side of the door at the strike edge of the door.
11. Switches, outlets and controls shall comply with Section 1142A.
12. Reinforced walls to allow for the future installation of grab bars around the toilet, tub and shower shall comply with Sections 1134A.5 for bathtubs, 1134A.6 for showers and 1134A.7 for water closets. Grab bars shall comply with Section 1127A.4.

When Option 2 is used, all additional bathrooms must comply with Items 8 through 12 above.

When a bathtub is installed in one bathroom and a shower stall is installed in a second bathroom within the same dwelling, both the bathtub and the shower stall shall be installed to the requirements of Section 1134A.

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

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

1.1 The shower stall shall measure at least 42 inches wide by 48 inches deep (1067 mm by 1219 mm) with an entrance opening of at least 36 inches (914 mm) or;

1.2 The shower stall shall measure at least 30 inches deep by 60 inches wide (762 mm by 1524 mm) with an entrance opening of at least 60 inches (1524 mm). A water closet may project a maximum of 12 inches (305 mm) into the opening provided that a minimum of 36 inches (914 mm) clear space is maintained between the water closet and the shower wall as illustrated in Figure 11A-9L or;

1.3 Other shower stall configurations shall measure at least 36 inches deep by 60 inches wide (914 mm by 1524 mm) with an entrance opening of at least 36 inches (914 mm) when a wall is installed on the opening side.

2. **Slope.** The maximum slope of the shower floor shall be ½ inch (12.7 mm) per foot in any direction and shall slope ~~toward the rear~~ 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.

2. **3. Floor Space.** A clear maneuvering space at least 30 inches in width by 48 inches in length (762 mm by 1219 mm) shall be located outside the shower, flush and parallel to the control wall.

~~3.~~ **4. Reinforced Walls for Grab Bars.** Grab bar reinforcement shall be installed continuous in the walls of showers 32 inches to 38 inches (813 mm to 965 mm) above the floor. The grab bar reinforcement shall be a minimum of 6 inches (152.4 mm) nominal in height.

Glass walled shower stalls shall provide reinforcement for installation of floor mounted or ceiling mounted grab bars.

4. **5. Thresholds.** ~~When a threshold (a recessed drop) is used, it shall be a maximum of ¼ 2 inches (42.7 50.8 mm) in height and have a beveled or sloped angle not exceeding 45 degrees from the 1 unit vertical in 2 units horizontal.~~

5.6. Shower Controls. Faucet controls and operation mechanisms shall be operable with one hand and shall not require tight grasping, pinching or twisting of the wrist. The force required to activate controls shall be no greater than 5 pound-force (22.2 N). Lever operated, push type and electronically controlled mechanisms are examples of acceptable designs.

6.7. 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 1/4 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 showers enclosures shall be of a shatter resistant type.

1134A.7 Water closets. Water closets in bathrooms or powder rooms required to be accessible shall comply with this section.

1. **Floor Space.** The water closet shall be located in a space a minimum of 36 inches (914 mm) in clear width with 48 inches (1219 mm) minimum clear space provided in front of the water closet. This space may include maneuverable space under a lavatory, if provided and arranged so as not to impede access.

Exception: In covered multifamily dwelling units, the water closet may be located in a space 48 inches (1219 mm) in clear width with 36 inches (914 mm) of clear space provided in front of the water closet. Wing walls, privacy walls and lavatory cabinets located adjacent to the water closet may encroach a maximum of 24 inches (610 mm) into the clear floor space required by this section. The compartmentalized area formed between wing wall, privacy wall, lavatory cabinet and the opposite wall shall maintain a minimum clearance of 36 inches (914 mm). (See Figure 11A-9M.)

Water closets shall be located within bathrooms in a manner that permits a grab bar to be installed on one side of the fixture. In locations where water closets are adjacent to walls or bathtubs, the centerline of the fixture shall be a minimum of 18 inches (457 mm) from the obstacle. The other (nongrab bar) side of the water closet shall be a minimum of 18 inches (457 mm) from the centerline of the fixture to the finished surface of adjoining walls, vanities or from the edge of a lavatory.

2. ... (text unchanged)

3. ... (text unchanged)

4. ... (text unchanged)

DIVISION V – FEATURES COMMON TO EXTERIOR AND INTERIOR BUILDINGS

Division V – Table of Contents

Section 1137A Other Features and Facilities
Section 1138A Reserved
Section 1139A Accessible Drinking Fountains
Section 1140A Accessible Telephones
Section 1141A Accessible Swimming Pools
Section 1142A Electrical Receptacle, Switch and Control Heights
Section 1143A Signage
Section 1144A through 1149A Reserved

SECTION 1143A SIGNAGE

1143A.1. General. When signs and/or identification devices are provided they shall comply with this section.

Exception: Signs need not be provided within dwelling ~~unit~~ units.

DIVISION VI – SITE IMPRACTICALITY TESTS

Division VI Table of Contents

Section 1150A Site Impracticality Tests

Test No. 1 – Individual Building Test

Test No. 2 – Site Analysis Test

Test No. 3 – Unusual Characteristics Test

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.2 3.1, the provisions of this section do not apply to ~~multiple-story~~ multistory dwelling units in nonelevator buildings, ~~i.e., townhouses~~.

DIVISION VII – FIGURES

Figures 11A-8J, 11A-8K, 11A-9L and 11A-9M are added as shown (see attached.)

NOTE:

Authority cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17990, 18620, 18630, 18640, 18670, 18690, 18691, 18873 through 18873.5 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

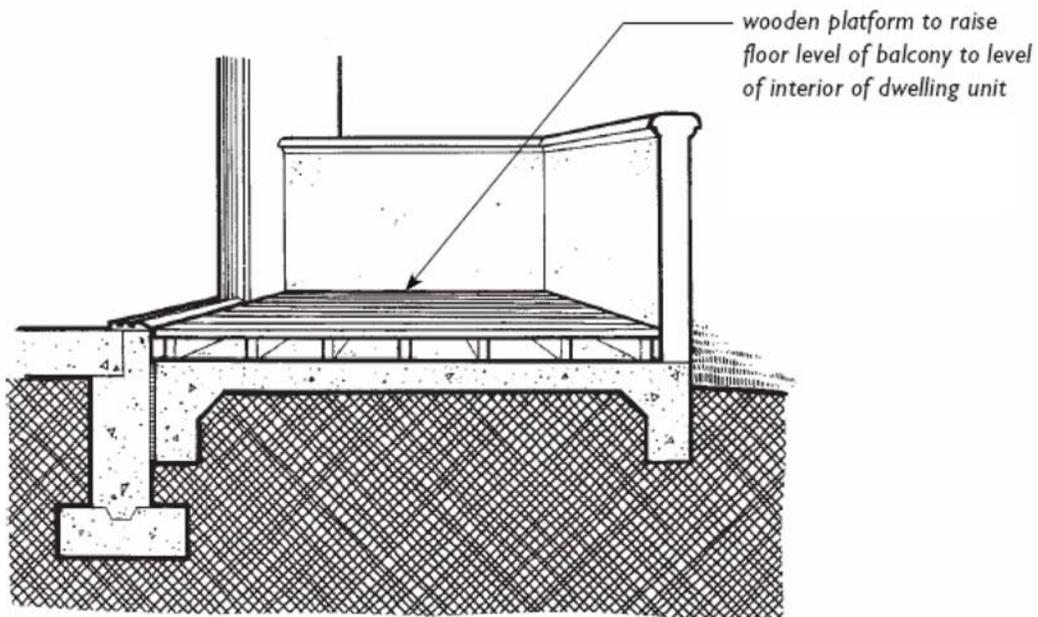


FIGURE 11A-8J – PLATFORM AT SECONDARY EXTERIOR DOOR

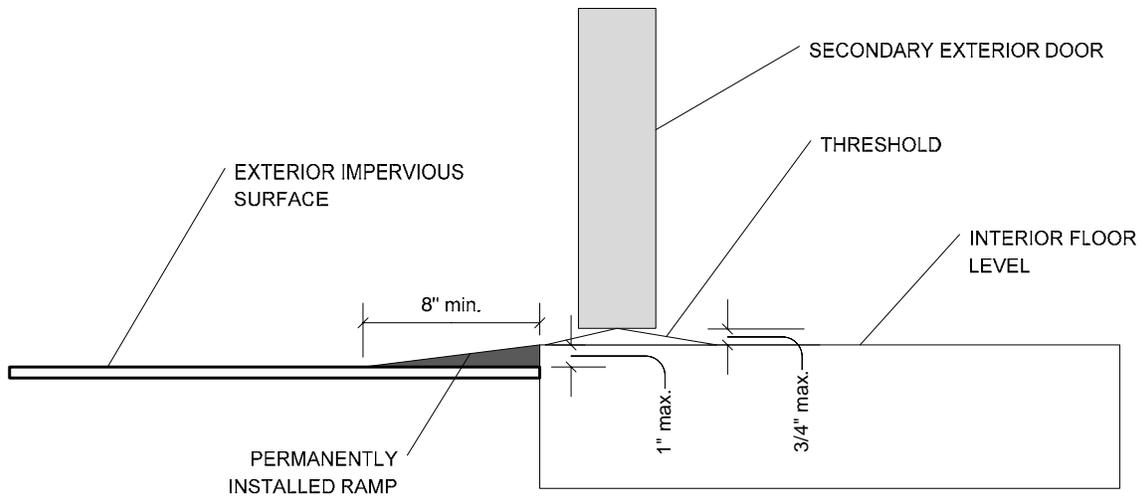


FIGURE 11A-8K – RAMP AT SECONDARY EXTERIOR DOOR

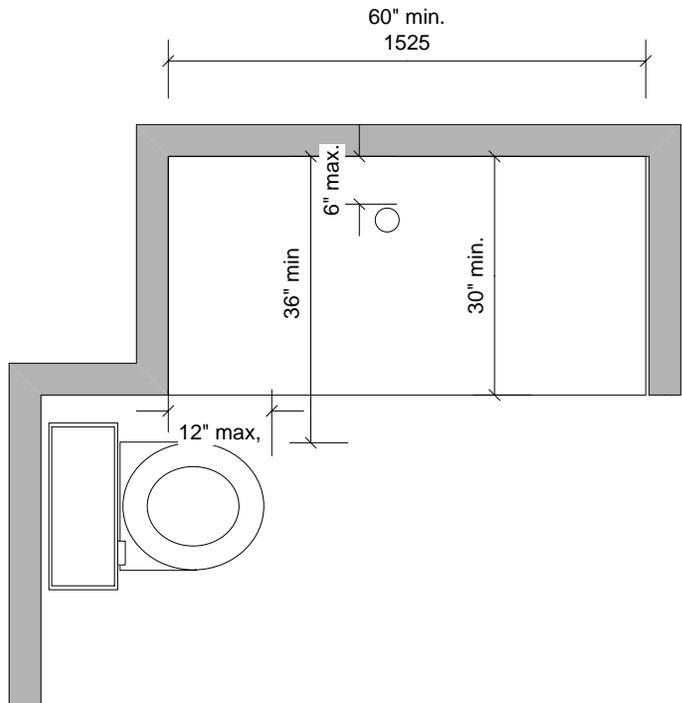


FIGURE 11A-9L – SHOWER WITH WATER CLOSET

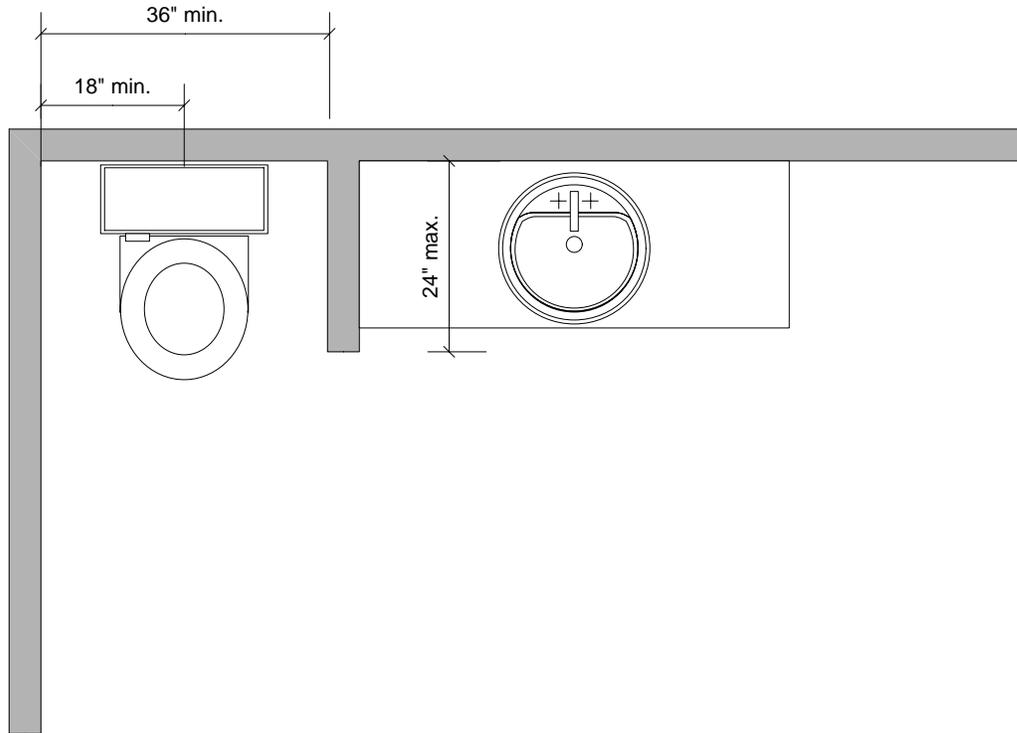


FIGURE 11A-9M – WING WALL OR CABINET AT WATER CLOSET