

**EXPRESS TERMS
FOR PROPOSED BUILDING STANDARDS
OF THE
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
AND
THE DIVISION OF STATE ARCHITECT – ACCESS COMPLIANCE
IN THE
2007 CALIFORNIA BUILDING CODE, VOL. 1
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2**

LEGEND FOR EXPRESS TERMS

1. Existing California amendments being deleted are noted with *(Begin Strikeout)* “begin strikeout” at the beginning and with *(End of Strikeout)* “end strikeout” at the end.
2. New California amendments are noted with *(Begin Underline)* “begin underline” at the beginning and with *(End Underline)* “end underline” at the end.

CHAPTER 2 – DEFINITIONS

*(Begin Underline)***COMPLY WITH.** [DSA-AC] See Chapter 11B, Section 1102B.*(End Underline)*

GRADE (Adjacent Ground Elevation) [DSA-AC] *(Begin Underline)***[HCD 1-AC]***(End Underline)* is the lowest point of elevation of ...

*(Begin Strikeout)***GRADE.** **[HCD 1 & HCD 2]** See Section 502.1.*(End of Strikeout)*

*(Begin Strikeout)***HOTEL or MOTEL** [DSA-AC] is any building containing six or more guest rooms intended or designed to be used, or which are used, rented or hired out to be occupied, or which are occupied for sleeping purposes by guests. *(End of Strikeout)*

*(Begin Underline)***IF. IF ... THEN.** [DSA-AC] See Chapter 11B, Section 1102B. *(End Underline)*

LIFT, *(Begin Strikeout)***SPECIAL ACCESS***(End of Strikeout)* *(Begin Underline)***PLATFORM (WHEELCHAIR)** *(End Underline)*. [DSA-AC] See “*(Begin Strikeout)*Special Access*(End of Strikeout)* *(Begin Underline)*Platform (Wheelchair*(End Underline)*Lift” Chapter 11A, Section 1107A*(Begin Underline)*. 16-P (eu*(Begin Strikeout)*)12-L*(End of Strikeout)* and Chapter 11B, Section 1102B.

*(Begin Underline)***MAY.** [DSA-AC] See Chapter 11B, Section 1102B. *(End Underline)*

*(Begin Strikeout)***MOTEL** [DSA-AC] See “Hotel (or Motel).” *(End of Strikeout)*

*(Begin Strikeout)***SPECIAL ACCESS***(End of Strikeout)* **PLATFORM (WHEELCHAIR) LIFT.** *(Begin Underline)***[HCD 1-AC]** *(End Underline)* [DSA-AC] See Chapter 11A, Section*(Begin Strikeout)* 1107A.19-S*(End of Strikeout)* *(Begin Underline)* 1107A.16-P*(End Underline)* and Chapter 11B, Section 1102B.

PUBLIC ACCOMMODATION [DSA-AC] includes, but is not limited to, any *(Begin Underline)*public use*(End Underline)* building or facility *(Begin Strikeout)*or other specific public use facilities not listed in Items 1 through 12 if they fall*(End of Strikeout)* *(Begin Underline)* that may be classified*(End Underline)* into one or more of the following categories:

1. Places of public lodging.
2. Establishments serving food or drink open to public use.
3. Places of exhibition or entertainment open to public use.
4. Places of public gathering.
5. Sales or rental establishments open to public use.
6. Service establishments open to public use.
7. Stations used for public transportation.
8. Places of public display or collection.
9. Places of public recreation.

10. Places of public education.
11. Social service center establishments open to (Begin Strikeout)the general(End of Strikeout) public (Begin Underline)use(End Underline).
12. Places of exercise or recreation open to public use.

Examples of public accommodations for purposes of this code shall include, but not be limited to, the following private entities:

1. An inn, hotel, motel or other place of public lodging, except for a lodging house located within a building that contains not more than five rooms for rent or hire and that is actually occupied by the proprietor of such establishment as the residence of such proprietor.
2. A restaurant, bar, or other establishment serving food or drink.
3. A motion picture house, theater, concert hall, stadium or other place of exhibition or entertainment.
4. An auditorium, convention center, lecture hall, or other place of public gathering.
5. A bakery, grocery store, clothing store, hardware store, shopping center, or other sales or(Begin Strikeout) retail(End of Strikeout) (Begin Underline)rental(End Underline) establishment.
6. A laundromat, dry cleaner, bank, barber shop, beauty shop, travel service, shoe repair service, funeral parlor, gas station, office of an accountant or lawyer, pharmacy, insurance office, professional office of a health care provider, hospital or other service establishment.
7. A terminal, depot, or other station used for specified public transportation.
8. A museum, library, gallery, or other place of public display or collection.
9. A park, zoo, amusement park, or other place of recreation.
10. A nursery, elementary, secondary, undergraduate or postgraduate private school, or other place of education.
11. A day care center, senior citizen center, homeless shelter, food bank, adoption agency or other social service center establishment.
12. A gymnasium, health spa, bowling alley, golf course or other place of exercise.
13. A church.
14. An office building.
15. A public curb or sidewalk.

RAMP. See Section 1002.1.

[DSA-AC] See Chapter 11A, Section 1107A.18-R(Begin Underline), and Chapter 11B, Section 1102B(End Underline).

(Begin Underline)**SERVICE ENTRANCE** [DSA-AC] is an entrance intended primarily for delivery of goods or services. (End Underline)

SHALL. [DSA-AC] (Begin Strikeout)as used in this code means mandatory. (End of Strikeout) (Begin Underline)See Chapter 11B, Section 1102B. (End Underline)

SHOULD. (Begin Strikeout) [DSA-AC] (End of Strikeout) See "Recommend." (Begin Underline) [DSA-AC] See Chapter 11B, Section 1102B. (End Underline)

(Begin Strikeout)**TOEBOARD.** [DSA-AC] See Chapter 11A, Section 1107A.20-T. (End of Strikeout)

TOWNHOUSE. A single-family ...

(Begin Strikeout) [DSA-AC] For applications required to provide accommodations for persons with disabilities, see Chapter 11A, Section 1107A.20-T. (End of Strikeout)

CHAPTER 5 – GENERAL BUILDING HEIGHTS AND AREAS

502.1 Definitions. The following words and terms shall, for the purposes of this chapter and as used elsewhere in this code, have the meanings shown herein.

(Begin Strikeout) [HCD 1 and HCD 2] "Grade or Grade plane" is the lowest point of elevation of the finished surface of the ground, paving or sidewalk within the area between the building and the property line or, when the property line is more than 5 feet (1524 mm) from the building, between the building and a line 5 feet (1524 mm) from the building. For additional information, see Health and Safety Code Section 19955.3 (d). (End of Strikeout)

CHAPTER 10 – MEANS OF EGRESS

1012 – HANDRAILS

[DSA-AC] In addition to the requirements of this section, means of egress, which provide access to, or egress from, buildings or facilities where accessibility is required for applications listed in Section 109.1 regulated by the Division of the State Architect – Access Compliance, shall also comply with Chapter 11A or Chapter 11B, Sections 1133B.4.1(Begin Underline) or 1133B.5.5, (End Underline) as applicable.

CHAPTER 11A – HOUSING ACCESSIBILITY

(Begin Underline)NOTE: 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 regarding application, interpretation and enforcement, contact the California Department of Fair Employment and Housing. (End Underline)

Division I — APPLICATION, GENERAL PROVISIONS AND DEFINITIONS

Division I Table of Contents

Section 1101A Application

Section 1102A Building Accessibility

Section 1103A Design and Construction

Section 1104A (Begin Strikeout) Group R Occupancies(End of Strikeout) (Begin Underline) Covered Multifamily Dwellings(End Underline)

Section 1105A(Begin Strikeout) Group U Occupancies(End of Strikeout) (Begin Underline) Garages, Carports and Parking Facilities(End Underline)

Section 1106A Site and Building Characteristics

Section 1107A Definitions

SECTION 1101A — APPLICATION

1101A.1 Scope. *The application and ...*

- 1. All newly-constructed covered multifamily dwellings.*
- 2. New common use spaces ...*
- 3. Additions to existing buildings where ...*
- 4. (Begin Strikeout) Common-use(End of Strikeout) (Begin Underline) Common use(End Underline) areas serving covered multifamily dwellings.*

(Begin Underline)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 this chapter(End Underline).

These building standards generally do not apply to public accommodations ...

SECTION 1102A — BUILDING ACCESSIBILITY

1102A.3.2 Multistory dwelling units in buildings with one or more elevators. *Multistory dwelling units, (Begin Strikeout) i.e., townhouse and condominium-type construction, (End of Strikeout) contained 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(Begin Underline) and shall comply with the following: (End Underline)*

1. *(Begin Strikeout)*All rooms and spaces located on the primary entry floor shall comply with the following:
*(End of Strikeout)*At least 1 powder room or bathroom shall be located on the primary entry level.
2. All rooms or spaces located on the primary ...

SECTION 1104A — *(Begin Strikeout)*GROUP R OCCUPANCIES*(End of Strikeout)* *(Begin Underline)*COVERED MULTIFAMILY DWELLINGS*(End Underline)*

SECTION 1105A —*(Begin Strikeout)* GROUP U OCCUPANCIES*(End of Strikeout)* *(Begin Underline)*GARAGES, CARPORTS AND PARKING FACILITIES*(End Underline)*

1105A.1 General. *(Begin Strikeout)* Group U, Division 1, private *g**(End of Strikeout)* Garages*(Begin Underline)*, carports and other parking facilities*(End Underline)* which are accessory to covered multifamily dwelling units shall be accessible as required in Section 1109A. *(Begin Strikeout)*Group U, Division 1, private garages include individual garages and multiple individual garages grouped together. *(End of Strikeout)*

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*(Begin Strikeout)*/or*(End of Strikeout)* a bathtub and/or a shower. It does not include ...

1107A.12-L

LIFT, *(Begin Underline)* **PLATFORM (WHEELCHAIR)** *(End Underline)*. *(Begin Strikeout)***SPECIAL ACCESS.** *(End of Strikeout)* See “*(Begin Strikeout)*Special Access*(End of Strikeout)* *(Begin Underline)*Platform (Wheelchair) *(End Underline)* Lift.”

1107A.16-P

*(Begin Underline)***PLATFORM (WHEELCHAIR) LIFT** is a hoisting and lowering mechanism equipped with a car or platform, or support, which serves two landings of a building or structure and is designed to carry a passenger or passengers and/or luggage or other material a vertical distance as may be allowed by Section 1124A.11. *(End Underline)*

PUBLIC ACCOMODATION. See Chapter, 2, Section*(Begin Strikeout)* 217-P*(End of Strikeout)* *(Begin Underline)* 202*(End Underline)*.

1107A.19-S

*(Begin Strikeout)***SPECIAL ACCESS LIFT** is a hoisting and lowering mechanism equipped with a car or platform, or support which serves two landings of a building or structure and is designed to carry a passenger or passengers and/or luggage or other material a vertical distance as may be allowed by Section 1124A.11. *(End of Strikeout)*

SIDEWALK. See “Sidewalk,” Chapter 2, Section *(Begin Strikeout)*220-S*(End of Strikeout)**(Begin Underline)*202*(End Underline)*.
1107A.20-T

*(Begin Strikeout)***TOEBOARD** is a vertical barrier erected along the open edges of floor openings or floor holes, platforms and runways. *(End of Strikeout)*

*(Begin Strikeout)***TOWNHOUSE** is a multistory dwelling unit. *(End of Strikeout)*

1107A.23-W

WALK is a surfaced pedestrian way not located contiguous to a street used by the public. *(See (Begin Underline)*Chapter 2, *(End Underline)* Section*(Begin Strikeout)* 220-S*(End of Strikeout)* *(Begin Underline)*202*(End Underline)* definition for “Sidewalk.”)

Division II — EXTERIOR FACILITIES

Division II Table of Contents

Section 1108A General Requirements for Accessible Parking and Exterior Routes of Travel
Section 1109A Parking Facilities
Section 1110A Exterior Routes of Travel
Section 1111A Changes in Level on Accessible Routes
Section 1112A Curb Ramps on Accessible Routes
Section 1113A Walks and Sidewalks on an Accessible Route
Section 1114A Exterior Ramps and Landings on Accessible Routes
Section 1115A Exterior Stairways (Begin Strikeout)along Accessible Route(End of Strikeout)s
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(Begin Strikeout) (see Section 1105A for the application of building standards for accessibility(End of Strikeout)).
3. Carports.
4. Off-street parking (parking lots/spaces).

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

Exception: A(Begin Underline)n attached (End Underline)private garage(Begin Strikeout) attached to and which(End of Strikeout) directly (Begin Strikeout)serves (End of Strikeout) (Begin Underline)serving (End Underline)a single covered multifamily dwelling unit (Begin Underline)providing at least one of the following options: (End Underline) (Begin Strikeout)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. (End of Strikeout)

1. (Begin Underline)A door leading directly from the covered dwelling unit which immediately enters the garage. The door shall comply on both sides with Sections 1132A.3 through 1132A.9. (End Underline)
2. (Begin Underline)An accessible route of travel from the covered dwelling unit to an exterior door entering the garage. See Section 1132A.1 for requirements at both exit doors. (End Underline)
3. (Begin Underline)An accessible route of travel from the dwelling unit's primary entry door to the vehicular entrance at the garage. See Section 1132A.1 for requirements at the primary entry door. (End Underline)

1109A.8.3 Slope of accessible parking spaces(Begin Underline) and access aisles(End Underline). Surface slopes of accessible parking spaces(Begin Underline) and access aisles(End Underline) shall be the minimum possible and shall not exceed ¼ inch (6.35 mm) per foot (2.083-percent gradient) in any direction.

1109A.8.8 Parking signage. Each accessible parking space reserved for persons with disabilities shall be identified by a (Begin Strikeout)reflectorized(End of Strikeout) (Begin Underline)reflective(End Underline) 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. (Begin Underline) Van accessible(End Underline) (Begin Strikeout)S(End of Strikeout)spaces (Begin Underline)shall(End Underline) complying with Section 1109A.8.6 (Begin Underline)and(End Underline) shall have an additional sign (Begin Underline)or additional language(End Underline) stating (Begin Strikeout)"Van-Accessible"(End of Strikeout) (Begin Underline) "Van Accessible" (End Underline) (Begin Strikeout)mounted(End of Strikeout) 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 (Begin Underline)accessible(End Underline) 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 ...
2. By outlining the "International Symbol of Accessibility" in ...

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

1111A.2 Changes greater than ½ inch. Changes in level greater than ½ 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 (Begin Strikeout)special access(End of Strikeout) (Begin Underline)platform (wheelchair) (End Underline) lift. Stairs shall not be part of an accessible route. When stairs are located along or adjacent to an accessible route, they shall comply with Section 1115A for exterior stairways.

SECTION 1114A EXTERIOR RAMPS AND LANDINGS ON ACCESSIBLE ROUTES

1114A.2 Slope. The maximum slope of ramps on an ...

(Begin Underline)**Exception:** Ramps serving decks, patios or balconies as specified in Section 1132A.4. (End Underline)

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% slope). Handrails on all ramps shall be continuous.

Exceptions:

1. Curb ramps.
2. Ramps that serve an individual ...

(Begin Underline)3. Ramps at exterior door landings with less than 6 inches (152 mm) rise or less than 72 inches (1829 mm) in length. (End Underline)

SECTION 1115A EXTERIOR STAIRWAYS ALONG ACCESSIBLE ROUTES(End of Strikeout)

1115A.1 General. Exterior stairways serving (Begin Strikeout)floors or(End of Strikeout) (Begin Underline) buildings on a site containing covered multifamily(End Underline) dwelling units (Begin Strikeout)required to be accessible(End of Strikeout) shall comply with this section.

(Begin Strikeout)**Note:** This section shall not apply to exterior stairways serving floors or dwelling units not required to be accessible(End of Strikeout).

1115A.2 Open risers. Open risers(Begin Strikeout) shall(End of Strikeout) (Begin Underline)are(End Underline) not(Begin Strikeout) be(End of Strikeout) permitted(Begin Strikeout) along accessible routes (End of Strikeout) (Begin Underline)on exterior stairways(End Underline).

(Begin Underline)**Exceptions:** (End Underline)

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

1115A.4 Nosing. Nosing shall not project more than(Begin Strikeout) 1 ½ (End of Strikeout) (Begin Underline)1¼(End Underline) inches (Begin Strikeout) (38.1 (End of Strikeout) (Begin Underline)31.8(End Underline) mm) past the face of the riser below. Risers shall be sloped or the underside of the nosing shall have an angle not(Begin Strikeout) less(End of Strikeout) (Begin Underline) more(End Underline) than(Begin Strikeout) 60(End of Strikeout) (Begin Underline)30 (End Underline)degrees(Begin Underline) (0.52 rad) (End Underline) from the (Begin Strikeout)horizontal(End of Strikeout) (Begin Underline) vertical(End Underline). (See Figure 11A-6A).

1115A.5 Striping for the visually impaired. (Begin Strikeout) Where stairways occur outside a building along accessible routes, the upper approach and all treads shall be marked by a strip of clearly contrasting color at least a minimum of 2 inches (50.8 mm) wide to a maximum 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 be of a material that is at least as slip resistant as the treads of the stair. A painted strip shall be acceptable. (End of Strikeout) (Begin Underline)Exterior stairs serving buildings on a site containing multifamily dwelling units shall have the upper approach and all treads marked by a stripe providing clear visual contrast. (End Underline)

(Begin Underline)The stripe shall be a minimum of 2 inches (50.8 mm) wide to a maximum 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 upper approach. The stripe shall be of material that is at least as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. (End Underline)

1115A.6 Exterior stairway handrails.

1115A.6.1 Where required. Stairways shall have handrails on each side. (Begin Strikeout), and every stairway required to be more than 88 inches (2235 mm) in width shall be provided with not less than one intermediate handrail for each 88 inches (2235 mm) of required width. (End of Strikeout) Intermediate handrails shall be located equidistant from the sides of the stairway (Begin Underline)and comply with Section 1012.8(End Underline).

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

SECTION 1121A Changes in Level on Accessible Routes

1121A.2 Changes greater than one-half 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 (Begin Strikeout) special access (End of Strikeout) (Begin Underline) platform (wheelchair) (End Underline) lift. When stairs are located along or adjacent to an accessible route they shall comply with Section 1123A for interior stairways.

Division III — BUILDING FEATURES

Division III Table of Contents

Section 1117A General Requirements for Accessible Entrances, Exits, Interior Routes of Travel and Facility Accessibility
Section 1118A Egress and Areas of Refuge
Section 1119A Interior Routes of Travel
Section 1120A Interior Accessible Routes
Section 1121A Changes in Level on Accessible Routes
Section 1122A Interior Ramps and Landings on Accessible Routes
Section 1123A Interior Stairways (Begin Strikeout) along Accessible Routes (End of Strikeout)
Section 1124A Elevators and (Begin Strikeout) Special Access (End of Strikeout) (Begin Underline) Platform (End Underline) (Wheelchair) Lifts
Section 1125A Hazards on Accessible Routes
Section 1126A Doors
Section 1127A Common Use Facilities

SECTION 1123A INTERIOR STAIRWAYS (Begin Strikeout) ALONG ACCESSIBLE ROUTES (End of Strikeout)

1123A.1. General. Interior stairways serving (Begin Strikeout) floors or (End of Strikeout) (Begin Underline) buildings containing covered multifamily (End Underline) dwelling units (Begin Strikeout) required to be accessible (End of Strikeout) shall comply with this section.

1123A.2 Open risers. Open risers shall not be permitted (Begin Strikeout) along accessible routes (End of Strikeout) (Begin Underline) on interior stairways (End Underline).

(Begin Underline) **Exception:** Stairways within an individual dwelling unit. (End Underline)

1123A.4 Nosing. Nosing shall not project more than (Begin Strikeout) 1½ (End of Strikeout) (Begin Underline) 1¼ (End Underline) inches (Begin Strikeout) (38.1 (End of Strikeout) (Begin Underline) 31.8 (End Underline) mm) past the face of the riser below. Risers shall be sloped or the underside of the nosing shall have an angle not (Begin Strikeout) less (End of Strikeout) (Begin Underline) more (End Underline) than 60 (Begin Underline) 30 (End Underline) degrees (Begin Underline) (0.52 rad) (End Underline) from the (Begin Strikeout) horizontal (End of Strikeout) (Begin Underline) vertical (End Underline). (See Figure 11A-6A).

1123A.5 Striping for the visually impaired. (Begin Strikeout) The upper approach and the lower tread of each stair along routes required to be accessible shall be marked by a strip of clearly contrasting color at least a minimum of 2 inches (50.8 mm) wide to a maximum 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 be of material that is at least as slip resistant as the other treads of the stair. A painted strip shall be acceptable. (End of Strikeout) (Begin Underline) Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. (End Underline)

(Begin Underline) **Exception:** Stairways within an individual dwelling unit. (End Underline)

(Begin Underline) The stripe shall be a minimum of 2 inches (50.8 mm) wide to a maximum 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 upper approach. The stripe shall be of material that is at least as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. (End Underline)

1123A.6 Interior stairway handrails.

1123A.6.1 Where required. Stairways shall have handrails on each side. (Begin Strikeout), and every stairway required to be more than 88 inches (2235 mm) in width shall be provided with not less than one intermediate handrail for each 88 inches (2235 mm) of required width. (End of Strikeout) Intermediate handrails shall be located equidistant from the sides of the stairway (Begin Underline) and comply with Section 1012.8 (End Underline).

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

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 ...

(Begin Underline) **Exception:** Stairways within an individual dwelling unit. (End Underline)

SECTION 1124A ELEVATORS AND (Begin Strikeout) SPECIAL ACCESS (End of Strikeout) (Begin Underline) PLATFORM (End Underline) (WHEELCHAIR) LIFTS

1124A.3.3.2 Car control buttons. Passenger elevator car controls shall have a minimum dimension of $\frac{3}{4}$ inch (Begin Strikeout) 19.05 (End of Strikeout) (Begin Underline) 19.1 (End Underline) mm) and shall be raised $\frac{1}{8}$ inch ((Begin Strikeout) 3.17 (End of Strikeout) (Begin Underline) 3.2 (End Underline) mm) plus or minus $\frac{1}{32}$ 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 $\frac{5}{8}$ -inch-minimum ((Begin Strikeout) 15.85 (End of Strikeout) (Begin Underline) 15.9 (End Underline) mm) (Begin Strikeout) Arabic numeral, standard alphabet (End of Strikeout) (Begin Underline) raised (End Underline) characters or (Begin Underline) and (End Underline) standard (Begin Underline) raised (End Underline) symbol (Begin Underline) s that comply with Sections 1143A.8 and 1143A.9 (End Underline) immediately to the left of the control button. A (Begin Underline) Contracted Grade 2 (End Underline) Braille (Begin Strikeout) symbol (End of Strikeout) (Begin Underline) that conforms to Section 1143A.9 (End Underline) shall be located immediately below the numeral, character or symbol. A minimum clear space of $\frac{3}{8}$ inch (9.5 mm) or other suitable means of separation shall be provided between rows of control buttons. (Begin Strikeout) **Note:** (End of Strikeout) (Begin Underline) ((End Underline) See Figure 11A-7B. (Begin Underline)) (End Underline)

The raised characters and symbols shall be white on a black background. Controls and emergency equipment identified by raised symbols shall ...

1124A.4 Hall call buttons. Call operation buttons shall be centered 42 inches (1067 mm) above the floor. Buttons shall be a minimum of $\frac{3}{4}$ inch ((Begin Strikeout) 19.05 (End of Strikeout) (Begin Underline) 19.1 (End Underline) mm) in size and shall be raised $\frac{1}{8}$ inch ((Begin Strikeout) 3.17 (End of Strikeout) (Begin Underline) 3.2 (End Underline) mm) plus or minus $\frac{1}{32}$ inch (0.8 mm) above the surrounding surface. (Begin Underline) The button designating the "Up" direction shall be on top. (End Underline)

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. (Begin Underline) Hall call buttons shall be internally illuminated with a white light over the entire surface of the button. (End Underline)

1124A.11 (Begin Strikeout) Special Access (End of Strikeout) (Begin Underline) Platform (End Underline) (wheelchair) lifts. (Begin Strikeout) Special access (End of Strikeout) (Begin Underline) Platform (End Underline) (Begin Underline) ((End Underline) wheelchair (Begin Underline)) (End Underline) lifts may be provided between levels, in lieu of passenger elevators, when the vertical distance between landings, as well as the structural design and safeguards are as allowed by (Begin Underline) ASME A18.1, Safety Standard for Platform Lifts and Stairway Chair Lifts; (End Underline) the State of California, the Department of Industrial Relations, Division of Occupational Safety and Health and any applicable safety regulations of other administrative authorities having jurisdiction.

If lifts are provided, they shall be designed and constructed to facilitate unassisted entry, operation, and exit from the lift, and shall comply with restrictions and enhancements of this section in conjunction with (Begin Underline) Title 8 of the California Code of Regulations. (End Underline) (Begin Strikeout) Sections 3093 to 3094.5, Part 7 of the California Code of Regulations, Title 24. (End of Strikeout)

SECTION 1127A — COMMON USE FACILITIES

1127A.7.2 Identification symbols. (Begin Strikeout) Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle $\frac{1}{4}$ inch thick (6.4 mm) with edges 12 inches (305 mm) long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle, $\frac{1}{4}$ inch thick (6.4 mm) and 12 inches (305 mm) in diameter. Unisex sanitary facilities shall be identified by a circle $\frac{1}{4}$ inch thick (6.4 mm), 12 inches (305 mm) in diameter with a $\frac{1}{4}$ inch thick (6.4 mm) triangle superimposed on the circle and within the 12 inch (305 mm) diameter. These geometric symbols shall be centered on the door at a height of 60 inches (1524 mm) and their color and contrast shall be distinctly different from the color and contrast of the door. (End of Strikeout) (Begin Underline) Doorways leading to sanitary facilities shall be identified by a geometric symbol in compliance with this section. Geometric symbols shall be centered horizontally on the door at a height of 60 inches (1524 mm) above the finish floor or ground surface measured to the center of the symbol. Edges of accessibility signage shall be rounded, chamfered or eased. Corners shall have a minimum radius of $\frac{1}{8}$ inch (3.2 mm). See Section 1143A.10, Item 1, for additional signage requirements applicable to sanitary facilities. (End Underline)

(Begin Strikeout) **Note:** See also Section 1143A.10 for additional signage requirements applicable to sanitary facilities. (End of Strikeout)

(Begin Underline) **1127A.7.2.1 Men's sanitary facilities.** Men's sanitary facilities shall be identified by an equilateral triangle,

$\frac{1}{4}$ inch (6.4 mm) thick with edges 12 inches (305 mm) long and a vertex pointing upward. The triangle symbol shall contrast with the door, either light on a dark background or dark on a light background. (End Underline)

(Begin Underline) **1127A.7.2.2 Women's sanitary facilities.** Women's sanitary facilities shall be identified by a circle, $\frac{1}{4}$ inch (6.4 mm) thick and 12 inches (305 mm) in diameter. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. (End Underline)

(Begin Underline) **1127A.7.2.3 Unisex sanitary facilities.** Unisex sanitary facilities shall be identified by a circle, $\frac{1}{4}$ inch

(6.4 mm) thick and 12 inches (305 mm) in diameter with a $\frac{1}{4}$ inch (6.4 mm) thick triangle superimposed on the circle and within the 12-inch (305 mm) diameter. The triangle symbol shall contrast with the circle symbol, either light on a dark background or dark on a light background. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. (End Underline)

Division IV — DWELLING UNIT FEATURES

Division IV Table of Contents

Section 1128A Covered Dwelling Units

Section 1129A Reserved

Section 1130A Accessible Route within Covered Multifamily Dwelling Units

Section 1131A Changes in Level

Section 1132A Doors

Section 1133A Kitchens

Section 1134A Bathing and Toilet Facilities

Section 1135A Laundry Rooms

Section 1136A Electrical Receptacle, Switch and Control Heights

SECTION 1131A CHANGES IN LEVEL

1131A.2 Changes greater than $\frac{1}{2}$ inch. Changes in level greater than $\frac{1}{2}$ inch (12.7 mm) shall be made by means of a ramp, elevator or (Begin Strikeout) special access (End of Strikeout) (Begin Underline) platform (wheelchair) (End Underline) lift. See Section 1122A for ramps and Section 1124A.11 for (Begin Strikeout) special access (End of Strikeout) (Begin Underline) platform (wheelchair) (End Underline) lifts.

SECTION 1132A DOORS

1132A.2 Interior doors and secondary exterior doors. *(Begin Underline) Except as allowed by Section 1109.A.2, (End Underline) (Begin Strikeout)D(End of Strikeout) (Begin Underline)d(End Underline)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 (Begin Strikeout)a(End of Strikeout) (Begin Underline) an attached(End Underline) garage (Begin Strikeout)attached to a single-story dwelling unit(End of Strikeout).*

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 ...*
- 2. Exterior landings of pervious construction ...*
- 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(Begin Underline) complying with Section 1114A or by means of a platform constructed to the level of the floor as illustrated in Figure 11A-8J. (End Underline)*

(Begin Underline) 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. (See Figure 11A-8K.) (End Underline)

- 4.5. In buildings containing covered multifamily dwelling units, ...*

1132A.5.1 General. *Maneuvering clearances at interior doors shall ...*

Exceptions:

- 1. A 39 inch (991 mm) length is acceptable ...*
- 2. The floor or landing on the dwelling unit side of the primary ...*

(Begin Strikeout)Note: See Section 1110A.5.3, Item #4. (End of Strikeout)

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 ...
9. Switches, outlets and controls shall comply with Section 1142A.
10. Reinforced walls to allow for the ...

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. (Begin Underline)Additional requirements apply to dwelling units containing two or more bathrooms when a bathtub is provided as the accessible bathing fixture. (End Underline)

(Begin Underline)Where two or more bathrooms are provided within the same dwelling unit and a bathtub is installed to comply with Option 2, Item 6 in one bathroom and a shower stall is provided in a subsequent bathroom, both the bathtub selected to comply with Option 2, Item 6 and at least one shower stall within the dwelling unit shall meet all the applicable accessibility requirements provided in Section 1134A. (End Underline) (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 ...

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

1134A.3 Powder rooms. All powder rooms(Begin Strikeout) located on floor levels required to be accessible(End of Strikeout) shall (Begin Underline)be designed to (End Underline)comply with(Begin Underline) Section 1134A.2, Option 2, (End Underline)Items(Begin Underline) 8 through 12. (End Underline) (Begin Strikeout)1 through 6 of this section(End of Strikeout). When the powder room is the only toilet facility located on an accessible level, it shall comply with(Begin Underline) the Option 2 (End Underline)Items (Begin Underline)listed above, plus all additional requirements located in Sections 1134A.4, 1134A.7 and 1134A.8. (End Underline) (Begin Strikeout)1 through 7 of this section. (End of Strikeout)

(Begin Strikeout)1. **Accessible Route.** Powder rooms shall be provided with an accessible route into and through the powder room and shall comply with Section 1134A.4. (End of Strikeout)

(Begin Strikeout)2. **Doors.** If a door is provided, it shall comply with the requirements of Section 1132A.5. (End of Strikeout)

(Begin Strikeout)3. **Water Closets.** Water closets shall comply with Section 1134A.7. (End of Strikeout)

(Begin Strikeout)4. **Lavatories, Vanities, Mirrors and Towel Fixtures.** Lavatories, vanities, mirrors and towel fixtures shall comply with Section 1134A.8. (End of Strikeout)

(Begin Strikeout)5. **Strike Edge Maneuvering Space.** 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. (End of Strikeout)

(Begin Strikeout)6. **Accessible Switches, Outlets and Controls.** Switches, outlets and controls shall comply with Section 1142A. (End of Strikeout)

(Begin Strikeout)7. **Reinforced Walls for Grab Bars.** Reinforced walls to allow for the future installation of grab bars around the toilet shall comply with Section 1134A.7 for water closets. Grab bars shall comply with Section 1127A.4. (End of Strikeout)

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

1. **Size.** When (Begin Strikeout) a (End of Strikeout) (Begin Underline) one or more (End Underline) shower stalls is (Begin Underline) are (End Underline) provided (Begin Underline) within the same dwelling unit, (End Underline) at least one shower stall shall (Begin Underline) comply with one of the following requirements. (End Underline)

(Begin Underline)1.1 The shower stall shall (End Underline) 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). (Begin Underline) or; (End Underline)

(Begin Underline)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; (End Underline)

(Begin Underline)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. (End Underline)

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

(Begin Strikeout)2. (End of Strikeout) (Begin Underline)3. (End Underline) **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.

(Begin Underline)4. (End Underline) **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) ...

(Begin Strikeout)4. (End of Strikeout) (Begin Underline)5. (End Underline) **Thresholds.** When a threshold (Begin Strikeout) (a recessed drop) (End of Strikeout) is used, it shall be a maximum of (Begin Strikeout) ½ (End of Strikeout) (Begin Underline) 2 (End Underline) inch (Begin Underline) (End Underline) (Begin Strikeout) (12.7 (End of Strikeout) (Begin Underline) 50.8 (End Underline) mm) in height and have a beveled or sloped angle not exceeding (Begin Strikeout) 45 degrees from the (End of Strikeout) (Begin Underline) 1 unit vertical in 2 units (End Underline) horizontal.

(Begin Strikeout)5. (End of Strikeout) (Begin Underline)6. (End Underline) **Shower Controls.** Faucet controls and operation ...

(Begin Strikeout)6. (End of Strikeout) (Begin Underline)7. (End Underline) **Shower Enclosures.** Doors and panels of shower enclosures shall be ...

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

1. **Floor Space.** (Begin Strikeout) 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. (End of Strikeout) (Begin Underline) The minimum floor space provided at a water closet shall be 48 inches (1219 mm) in clear width. The clear floor space shall extend past the front edge of the water closet at least 36 inches (914 mm). See Figure 11A-9M. (End Underline)

Exception: (Begin Strikeout) 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. (End of Strikeout) (Begin Underline) The 48-inch (1219 mm) minimum clear width may be reduced to 36 inches

(914 mm) for lavatories, cabinets, wing walls, or privacy walls located immediately adjacent to a water closet which extend no more than 24 inches (610 mm) in depth. (End Underline)

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 (Begin Underline), vanities, lavatories (End Underline) or bathtubs, the centerline of the fixture shall be a minimum of 18 inches (457 mm) from the obstacle. (Begin Strikeout) 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 surfaces of adjoining walls, vanities or from the edge of a lavatory. (End of Strikeout)

2. ... (no change to text)

3. ... (no change to text)

4. ... (no change to text)

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, ...

Except as provided for in Section 1102A.2 (Begin Underline) 3.1 (End Underline), the provisions of this section do not apply to multistory dwelling units in nonelevator buildings (Begin Strikeout), i.e., townhouses (End of Strikeout).

AMEND EXIST. FIGURE

Figure 11A-6A

NEW FIGURES TO BE ADDED

(Begin Underline) Figures 11A-8J “Platform at Secondary Exterior Door”; 11A-8K “Ramp at Secondary Exterior Door”; 11A-9L “Shower with Water Closet”; and 11A-9M “Wing Wall or Cabinet at Water Closet” are added (End Underline)

CHAPTER 11B – ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMODATIONS, COMMERCIAL BUILDINGS AND PUBLICLY FUNDED HOUSING

SEC 1102B -- DEFINITIONS

For additional definitions pertinent to the Division of the State Architect – Access Compliance accessibility requirements, see Chapter 2, Section 202.

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

(Begin Underline)**COMPLY WITH** means to meet one or more specifications of these regulations. (End Underline)

CURB RAMP is a sloping pedestrian way, intended for pedestrian traffic, which provides access between a walk or sidewalk(Begin Strikeout) to(End of Strikeout) (Begin Underline)and(End Underline) a surface located above or below an adjacent curb face(Begin Underline), as differentiated from a ramp(End Underline).

(Begin Underline)**IF, IF...THEN** denotes a specification that applies only when the conditions described are present. (End Underline)

LEVEL AREA is a specified surface that does not have a slope in any direction exceeding(Begin Strikeout) 1/4 inch (6.4 mm) in 1 foot (305 mm) from the horizontal (2.083 percent gradient) (End of Strikeout) (Begin Underline)one unit vertical in 50 units horizontal (2-percent slope) (End Underline).

LIFT, (Begin Strikeout)**SPECIAL ACCESS**(End of Strikeout) (Begin Underline)**PLATFORM (WHEELCHAIR)** (End Underline). See(Begin Strikeout) “Special access lift” (End of Strikeout) (Begin Underline) “Platform (Wheelchair) Lift” (End Underline).

(Begin Underline)**MAY** denotes an option or alternative. (End Underline)

NOSE, NOSING is that portion of a (Begin Underline)stair(End Underline) tread (Begin Underline)or landing at the top of a stairway flight(End Underline) projecting beyond the face of the riser immediately below.

OPEN RISER is the(Begin Strikeout) air(End of Strikeout) space between (Begin Strikeout)tread projecting beyond the face of the riser immediately below(End of Strikeout) (Begin Underline)two adjacent stair treads not closed by a riser(End Underline).

(Begin Strikeout)**PEDESTRIAN RAMP**. [DSA-AC] See Chapter 11A, Section 1107A.3, and Chapter 11B, Section 1102B. (End of Strikeout)

(Begin Strikeout)**SPECIAL ACCESS**(End of Strikeout) (Begin Underline)**PLATFORM (WHEELCHAIR)** (End Underline) **LIFT** is a hoisting and lowering mechanism equipped with a car or platform or support that serves two landings of a building or structure and is designed to carry a passenger or passengers and (or) luggage or other material a vertical distance as may be allowed.

(Begin Strikeout)**PEDESTRIAN RAMP**(End of Strikeout) is a walking surface which has a running slope greater than (Begin Strikeout)1:20(End of Strikeout) (Begin Underline)one unit vertical in 20 units horizontal (5-percent slope) (End Underline) intended for pedestrian traffic and as differentiated from a curb ramp.

RISER is the(Begin Strikeout) vertical distance from the top of the tread to the top of the next higher tread(End of Strikeout) (Begin Underline)upright member between two adjacent stair treads. (End Underline)

(Begin Underline)**SHALL** denotes a mandatory specification or requirement.(End Underline)

(Begin Underline)**SHOULD** denotes an advisory specification or recommendation.(End Underline)

TEXT TELEPHONE is machinery or equipment that employs interactive(Begin Strikeout) graphic (for example, typed) (End of Strikeout) (Begin Underline)text-based(End Underline) communications through the transmission of coded signals across the standard telephone network. Text telephones can include, for example, devices known as TTYs (Begin Strikeout) (telecommunication display devices(End of Strikeout) (Begin Underline)teletypewriters(End Underline)) or computers.

(Begin Strikeout)TREAD DEPTH is the horizontal distance from the front to back of tread, including nosing when used. (End of Strikeout)

(Begin Strikeout)TREAD RUN is the horizontal distance from the leading edge of a tread to the leading edge of an adjacent tread. (End of Strikeout)

1104B -- ACCESSIBILITY FOR GROUP A OCCUPANCIES

1104B.3 Auditoriums, assembly halls, theaters and related facilities.

1104B.3.3 Variety of locations. Accessible seating or accommodations in places of public amusement and resort, including theaters, concert halls and stadiums(Begin Strikeout), but not including hotels and motels, (End of Strikeout) shall be provided in a variety of locations so as to provide persons with disabilities a choice of admission prices otherwise available to members of the general public.

1104B.3.4 Wheelchair spaces.

1. The number of such spaces is as shown in Table 11B-1.

TABLE 11B-1

WHEELCHAIR SEATING SPACES

SEATING CAPACITY	NO. OF WHEELCHAIR SEATING SPACES
4 to 25	1
26 to 50	2
51 to 300	4
301 to 500	6

In addition, 1 percent, but not less than one, of all fixed seats, shall be aisle seats with no armrests on the aisle side, or removable or folding armrests on the aisle side. Each such seat shall be identified by a sign or marker (Begin Underline)with the International Symbol of Accessibility (see Figure 11B.6) (End Underline). Signage notifying patrons of the availability of such seats shall be posted at the ticket office. (Begin Underline)Signs and markers shall comply with 1117B.5.1 Items 2 and 3, as applicable. (End Underline) ...

2. When the seating capacity exceeds 500, one additional wheelchair seating space shall be provided for each total seating capacity increase of 100.
3. The ground or floor at spaces shall be level and shall comply with Section 1124B.

1104B.3.5 Placement of wheelchair locations. ...

Exceptions:

1. Accessible viewing positions where seating capacity is less than 300 may be clustered for bleachers, balconies and other areas having sight lines that require slopes of greater than (Begin Strikeout)5 percent(End of Strikeout) (Begin Underline)one unit vertical in 20 units horizontal (5-percent slope) (End Underline). Equivalent accessible viewing positions may be located on levels having accessible egress.

1104B.3.11 Stages, enclosed and unenclosed platforms, and orchestra pits. Stages, ...

Exceptions:

1. When the enforcing agency finds that requiring compliance with this code, for an enclosed or unenclosed platform or depressed area not more than 24 inches (610 mm) above or below an adjacent accessible level, would create an unreasonable hardship, the enclosed and unenclosed platform or depressed area shall be made accessible by a portable ramp with a slope not exceeding one unit vertical to (Begin Underline)in(End Underline) 12 units horizontal (8.33-percent slope).

1104B.4 Stadiums, grandstands, bleachers, athletic pavilions, gymnasiums and miscellaneous sports-related facilities.

1104B.4.3 Participation areas. Participation areas shall be accessible to persons with disabilities, including the following listed and similar activity areas: ...

4. Swimming pool deck areas(Begin Strikeout) must(End of Strikeout) (Begin Underline)shall(End Underline) be accessible, and a mechanism to assist persons with disabilities in gaining entry into the pool and in exiting from the pool shall be provided. Such a mechanism may consist of

a swimming pool lift device *(Begin Underline)*that*(End Underline)* *(Begin Strikeout)*as long as the device*(End of Strikeout)* meets all of the following criteria:

4.1. Have a seat that meets all of the following:

4.1.1. The seat *(Begin Strikeout)*must*(End of Strikeout)* *(Begin Underline)*shall *(End Underline)*be rigid;

4.1.2. The seat *(Begin Strikeout)*must*(End of Strikeout)* *(Begin Underline)*shall*(End Underline)* be not less than 17 inches (423 mm) and not more than 19 inches (483 mm), inclusive of any cushioned surface that might be provided, above the pool deck;

4.1.3. The seat*(Begin Strikeout)* must *(End of Strikeout)* *(Begin Underline)*shall*(End Underline)* have two armrests. The armrest on the side of the seat by which access is gained shall be either removable or fold clear of the seat;

4.1.4. The seat *(Begin Strikeout)*must*(End of Strikeout)* *(Begin Underline)*shall*(End Underline)* have a back support that is at least 12 inches (305 mm) tall;

4.1.5. The seat *(Begin Strikeout)*must*(End of Strikeout)* *(Begin Underline)*shall*(End Underline)* have an occupant restraint for use by the occupant of the seat, and the restraint *(Begin Strikeout)*must*(End of Strikeout)* *(Begin Underline)*shall*(End Underline)* meet the standards for operable controls in compliance with Section 1117B.6, Items 1 through 4. ...

1104B.5 Dining, banquet and bar facilities.

1. General.

2. Entrance. Access ...

3. *(Begin Strikeout)*Functional activity. *(End of Strikeout)* *(Begin Underline)***Raised or sunken areas.***(End Underline)* All *(Begin Strikeout)*dining areas, including raised or sunken dining areas, loggias, outdoor seating areas, and all areas where each type of functional activity occurs shall be accessible. *(End of Strikeout)* *(Begin Underline)*raised or sunken areas, including dining areas, loggias and outdoor seating areas, shall be accessible. A raised platform where a head table or speaker's lectern is located shall be accessible. Open edges of raised or sunken areas shall be protected *(End Underline)* *(Begin Strikeout)*by a curb complying with 1133B.5.4.9*(End of Strikeout)* *(Begin Underline)* as required by Sections 1013 Guards, 1133B.8.1 Warning Curbs, or by other means as required by this code. *(End Underline)* For existing buildings, see Section 1120B, Floors and Levels.

4. Seating. Each dining, ...

5. Food service aisles. Food service ...

6. Tableware and condiment areas. Self-service ...

7. Restrooms. Restrooms and ...

8. Food preparation areas. Access to ...

1106B -- ACCESSIBILITY FOR GROUP E OCCUPANCIES

1106B.4 Library general use areas. ...

1. General. ...

2. Open book stacks. ...

3. Height of book shelves. ...

4. Card catalogs and magazine displays. ...

5. *(Begin Underline)***Reading and study areas.** At least 5 percent or a minimum of one of each element of fixed seating, tables, study carrels, computers or similar workstations shall be on an accessible route complying with Section 1114B.1.2, and shall comply with Section 1118B, "Space Allowance and Reach Ranges", Section 1122B, "Fixed or Built-in Seating, Tables, and Counters" and Section 1133B.6 "Aisles". *(End Underline)*

6. *(Begin Underline)***Check-out areas.** At least one lane at each check-out area shall be on an accessible route complying with Section 1114B.1.2, and shall have a portion of the counter which is at least 36 inches (914 mm) in length with a maximum height of 34 inches (864 mm) above the finish floor with a 36 inch (914 mm) wide aisle on the customer side. Any traffic control or book security gates or turnstiles shall comply with Section 1133B.2.3.4. *(End Underline)*

1109B.3 Patient bedrooms and toilet rooms. Patient bedrooms and associated toilet facilities shall be made accessible as follows:

1. Long-term-care facilities, ...

2. General-purpose hospitals, ...

3. Hospitals and rehabilitation facilities ...

*(Begin Underline)***Exceptions:** *(End Underline)*

1. *(Begin Underline)*In existing buildings, when patient bedrooms are being added or altered as part of a planned renovation of an entire wing, a department, or other discrete area of an existing medical facility, the accessible rooms provided shall comply with Section 1109B.4 and shall be consistent with the percentage of rooms required to be accessible by 1109B.3, until the number of accessible patient bedrooms in the facility equals the overall number that would be required if the facility were newly constructed. *(For example, if 20 patient bedrooms are being altered in the obstetrics department of a hospital, 2 of the altered rooms must be made accessible. If, within the same hospital, 20 patient bedrooms are being altered in a unit that specializes in treating mobility impairments, all of the altered rooms must be made accessible.)* Where toilet/bathrooms are part of patient bedrooms which are added or altered and required to be accessible, each such patient toilet/bathroom shall comply with 1109B.5. *(End Underline)*
2. *(Begin Underline)*In existing buildings, when patient bedrooms are being added or altered individually, and not as part of an alteration of the entire area, the altered patient bedrooms shall comply with 1109B.4, unless either: a) the number of accessible rooms provided in the department or area containing the altered patient bedroom equals the number of accessible patient bedrooms that would be required if the percentage requirements of 1109B.3 were applied to that department or area; or b) the number of accessible patient bedrooms in the facility equals the overall number that would be required if the facility were newly constructed. Where toilet/bathrooms are part of patient bedrooms which are added or altered and required to be accessible, each such toilet/bathroom shall comply with 1109B.5. *(End Underline)*

1111B -- ACCESSIBILITY FOR GROUP R OCCUPANCIES

1111B.4 Hotels, motels, inns, dormitories, resorts, homeless shelters, halfway houses, transient group homes and similar places of transient lodging. Hotels ...

1111B.4.6 Bathrooms in hotels, motels, inns, dormitories, resorts, homeless shelters, halfway houses, transient group homes and similar places of transient lodging. Required accessible bathrooms for places of transient lodging shall comply with the following provisions:

*(Begin Strikeout)*Exception: Hotel and motel bathrooms beyond those specified in Section 1111B.4 need not comply with the provisions of this section or other accessibility provisions of the California Building, Electrical, and Plumbing Codes if they provide the following features: *(End of Strikeout)*

1. *(Begin Strikeout)*All bathroom fixtures are in a location that allows a person using a wheelchair measuring 30 inches by 48 inches (762 mm by 1219 mm) to touch the wheelchair to any lavatory, urinal, water closet, tub, sauna, shower stall and any other similar sanitary installation, if provided. *(End of Strikeout)*
2. *(Begin Strikeout)*All bathroom entrance doors have a clear opening width of 32 inches (813 mm) and shall be either sliding doors or shall be hung to swing in the direction of egress from the bathroom. *(End of Strikeout)*

1. **Doors.** Doors to accessible bathrooms shall ...
2. **Clear floor space.** All fixtures and controls shall ...
3. **Water closets.** If a toilet compartment is provided, it shall ...
4. **Lavatory and mirrors.** If a lavatory and/or mirror is provided, they shall ...
5. **Controls and dispensers.** If controls, dispensers, ...
6. **Bathing and shower facilities.** If tubs or showers are provided, then ...
7. **Toilet facilities.** Toilet facilities shall ...

(Begin Underline) Hotel and motel bathrooms beyond those specified in Section 1111B.4 shall provide the following features: *(End Underline)*

1. *(Begin Underline)*All bathroom fixtures shall be in a location that allows a person using a wheelchair measuring 30 inches by 48 inches (762 mm by 1219 mm) to touch the wheelchair to any lavatory, urinal, water closet, tub, sauna, shower stall and any other similar sanitary installation, if provided. *(End Underline)*
2. *(Begin Underline)*All bathroom entrance doors shall have a clear opening width of 32 inches (813 mm) and shall be either sliding doors or shall be hung to swing in the direction of egress

from the bathroom. (End Underline)

(Begin Underline) **1111B.4.7 Storage areas.** Fixed or built-in storage facilities located within accessible sleeping rooms or suites required by Table 11B-3 shall be accessible in the number and dimensions provided in Section 1125B. (End Underline)

(Begin Underline) **1111B.4.8** (End Underline) (Begin Strikeout) 1111B.4.7 (End of Strikeout) **Dormitory rooms.** Dormitory rooms beyond those specified herein shall comply with the adaptability requirements of Section 1111B.5.

1114B -- EXIT ACCESS

1114B.1.1 General. When accessibility is required ...

(Begin Strikeout) Special Access (End of Strikeout) (Begin Underline) Platform (End Underline) (Wheelchair) Lifts – [for HCD 1/AC] Section 1124A; [for DSA-AC] Section 1116B.2.

1115B.3 Toilet facilities.

1115B.3.1 Multiple-accommodation toilet facilities. Multiple-accommodation toilet facilities shall have the following:

1. **Wheelchair clearance.** A clear space ...
2. **Clear floor space at fixtures.** Doors shall not swing into the clear floor space required for any fixture.
(Begin Underline) **Exception:** An in-swinging, side-opening door to an accessible water closet compartment shall comply with Figure 11B-1B. (End Underline)
3. **Accessible** (Begin Underline) **fixtures** (End Underline) (Begin Strikeout) water closet (End of Strikeout). Provide a minimum of one accessible water closet in compliance with Section 1115B.4.1 (Begin Underline) and a minimum of one accessible lavatory in compliance with Section 1115B.4.3 (End Underline).
4. **Accessible water closet compartment.** ...
 - 4.5 The inside and outside of the compartment door shall be equipped with a loop or U-shaped handle immediately below the latch. The latch shall be flip-over style, sliding or other hardware not requiring the user to grasp or twist. Except for door-opening widths and door swings, a clear, unobstructed access of not less than 44 inches (1118 mm) shall be provided to water closet compartments designed for use by persons with disabilities. Maneuvering space at the compartment door shall comply with Sections 1133B.2.4.2 and 1133B.2.4.3, (Begin Strikeout) except that (End of Strikeout) (Begin Underline) and in no case shall (End Underline) the space immediately (Begin Strikeout) in front of a (End of Strikeout) (Begin Underline) outside of the (End Underline) water closet compartment (Begin Underline) door (End Underline) (Begin Strikeout) shall not (End of Strikeout) be less than 48 inches (1219 mm) as measured (Begin Strikeout) at right angles (End of Strikeout) (Begin Underline) perpendicular (End Underline) to the compartment door in its closed position.

1115B.4 Accessible fixture.

1115B.4.4 Accessible showers. ...

1115B.4.4.4 Water controls. Water controls shall be of a single-lever design, 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 lbf (22.2N). The centerline of the controls shall be located (Begin Strikeout) at 40 inches (1016 mm) (End of Strikeout) (Begin Underline) 39 inches (991 mm) to 41 inches (1041 mm (End Underline)) above the shower floor.

1115B.4.4.7 Floor slope. The maximum slope of the floor shall be (Begin Strikeout) 2 percent (End of Strikeout) (Begin Underline) one unit vertical in 50 units horizontal (2-percent slope) (End Underline) in any direction. Where drains are provided, grate openings shall be a maximum of 1/4 inch (6.4 mm) and located flush with the floor surface.

1115B.6 Identification symbols. (Begin Strikeout) Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle, 1/4 inch (6.4 mm) thick with edges 12 inches (305 mm) long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle, 1/4 inch (6.4 mm) thick and 12 inches (305 mm) in diameter.

Unisex sanitary facilities shall be identified by a circle, ¼ inch (6.4 mm) thick, 12 inches (305 mm) in diameter with a ¼-inch (6.4 mm) thick triangle superimposed on the circle and within the 12-inch (305 mm) diameter. These geometric symbols shall be centered on the door at a height of 60 inches (1524 mm) and their color and contrast shall be distinctly different from the color and contrast of the door. See also Section 1117B.5.1 Item 1 for additional signage requirements applicable to sanitary facilities(End of Strikeout). (Begin Underline)Doorways leading to sanitary facilities shall be identified by a geometric symbol in compliance with this section. Geometric symbols shall be centered horizontally on the door at a height of 60 inches (1524 mm) above the finish floor or ground surface measured to the center of the symbol. Edges of signs shall be rounded, chamfered or eased. Corners of signs shall have a minimum radius of ⅛ inch (3.2 mm). See Section 1117B.5.1, Item 1 for additional signage requirements applicable to sanitary facilities. (End Underline)

(Begin Underline)**1115B.6.1.** Men's sanitary facilities shall be identified by an equilateral triangle, ¼ inch (6.4 mm) thick with edges 12 inches (305 mm) long and a vertex pointing upward. The triangle symbol shall contrast with the door, either light on a dark background or dark on a light background. (End Underline)

(Begin Underline)**1115B.6.2.** Women's sanitary facilities shall be identified by a circle, ¼ inch (6.4 mm) thick and 12 inches (305 mm) in diameter. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background.(End Underline)

(Begin Underline)**1115B.6.3.** Unisex sanitary facilities shall be identified by a circle, ¼ inch (6.4 mm) thick and 12 inches (305 mm) in diameter with a ¼ inch (6.4 mm) thick triangle superimposed on the circle and within the 12-inch (305 mm) diameter. The triangle symbol shall contrast with the circle symbol, either light on a dark background or dark on a light background. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background. (End Underline)

1115B.8 Accessories.

1115B.8.1 Mirrors.

(Begin Underline)**1115B.8.1.1.**(End Underline) (Begin Strikeout))Mirrors(End of Strikeout) (Begin Underline)All mirrors located above accessible lavatories or countertops(End Underline) shall be (Begin Strikeout)mounted(End of Strikeout) (Begin Underline)installed(End Underline) with the bottom edge of the reflecting surface (Begin Strikeout)no higher than(End of Strikeout) 40 inches (1016 mm) (Begin Underline)maximum above the finish floor or ground(End Underline) (Begin Strikeout) from the floor(End of Strikeout).

(Begin Underline)**1115B.8.1.2.** When mirrors are provided at locations other than above lavatories or countertops, at least one shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground. (End Underline)

(Begin Underline)**1115B.8.1.3.** Mirrors in fitting and dressing areas shall comply with Section 1117B.8. (End Underline)

1116B -- ELEVATORS AND (Begin Strikeout)SPECIAL ACCESS(End of Strikeout) (Begin Underline)PLATFORM(End Underline) (WHEELCHAIR) LIFTS

1116B.1 Elevators. ...

1116B.1.8 Car inside. The car inside shall allow for the turning of a wheelchair. The minimum clear distance between walls or between wall and door, excluding return panels, shall not be less than 80 inches by 54 inches (2032 mm by 1372 mm) for center-opening doors, and 68 inches by 54 inches (1727 mm by 1372 mm) for side-slide openings doors. See Figure 11B-40A. Minimum distance from wall to return panel shall not be less than 51 inches (1295 mm). (Begin Underline)Elevator floor surfaces shall comply with Section 1124B-Ground and Floor Surfaces.(End Underline)

1116B.1.9 Car controls. Identification for the visually impaired shall be as follows:

Passenger elevator car controls ...

Control buttons shall be illuminated, ...

All control buttons shall be designated by 5/8 inch (15.9 mm) minimum raised characters and standard raised symbols that conform to Sections 1117B.5.2, 1117B.5.3, 1117B.5.5 and 1117B.5.7 immediately to the left of the control button. (Begin Underline)Contracted ((End Underline)Grade 2) Braille that conforms to

Section 1117B.5.6 shall be located immediately below the 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. See Figure 11B-40B. ...

1116B.1.14 Doorjamb marking. Passenger elevator landing jambs on all elevator floors shall have the number of the floor on which the jamb is located designated by raised characters that are a minimum of 2 inches (51 mm) in height and conform to Section 1117B.5.5 and (Begin Underline)contracted ((End Underline)Grade 2(Begin Underline))(End Underline) Braille that conforms to Section 1117B.5.6 located 60 inches (1524 mm) on center above the floor on the jamb panels on both sides of the door so that they are visible from within the elevator. On the grade level, a raised five pointed star shall be placed to the left of the raised character. The outside diameter of the star shall be 2 inches (51 mm). Braille shall be placed below the corresponding raised characters. ...

1116B.2 (Begin Strikeout)Special access(End of Strikeout) (Begin Underline)Platform(End Underline) (wheelchair) lifts. (Begin Strikeout)Special access(End of Strikeout) (Begin Underline)Platform(End Underline) (wheelchair) lifts may be provided between levels in lieu of passenger elevators when the vertical distance between landings, as well as the structural design and safeguards are as allowed by ASME A18.1 Safety Standard for Platform Lifts and Stairway Chair Lifts; the State of California, Division of the State Architect—Access Compliance; the Department of Industrial Relations, Division of Occupational Safety and Health and any applicable safety regulations of other administrative authorities having jurisdiction. ...

1116B.3 When provided as a means of egress. (Begin Strikeout)Special access(End of Strikeout) (Begin Underline)Platform(End Underline) (wheelchair) lifts, when provided as a component in an accessible means of egress, shall conform to the requirements of Section 1116B.3.

1116B.3.1 Standby power. To ensure continued operation in case of primary power loss, (Begin Strikeout)special access(End of Strikeout) (Begin Underline)platform(End Underline) (wheelchair) lifts shall be provided with standby power or with self-rechargeable battery power that provides sufficient power to operate all platform lift functions for a minimum of five upward and downward trips.

1116B.3.2 (Begin Strikeout)Special access(End of Strikeout) (Begin Underline)Platform(End Underline) (wheelchair) lifts, when provided per Section 1116B.2.2, are permitted to be a component of an accessible means of egress when the area served by the(Begin Strikeout)special access(End of Strikeout) (Begin Underline)platform (wheelchair) (End Underline) lift does not serve more than four wheelchair viewing positions and where any one of the following conditions exist: ...

1117B – OTHER BUILDING COMPONENTS

1117B.1 (Begin Strikeout)Water fountains (drinking). See Section 1115B.4.6. (End of Strikeout) (Begin Strikeout) 1115B.4.6(End of Strikeout) **Accessible drinking fountains.** Where drinking fountains are provided, they shall comply with this section:

1. **General.** ...
2. **Clearances.** ...
3. **Alcoves.** ...

Exception: When the enforcing agency determines ...

4. The bubbler shall be activated by ...
5. The spout shall provide ...

1117B.2 Telephones

1117B.2.1 General. If public pay telephones, public closed-circuit telephones, or other public telephones are provided, they shall comply with this section to the extent required by the following table. See Figure 11B-4.

Number of each type of telephone provided on each floor	Minimum number of telephones required to comply with Section 1117B.2¹
1 or more single units	(Begin Strikeout)1 or at(End of Strikeout) At least 50 percent of telephone (Begin Strikeout)unit(s(End of Strikeout)) (Begin

	<u>units</u> per floor (Begin <u>but not less than one.</u>
1 telephone bank	(Begin Strikeout)1 or at(End of Strikeout) At least 50 percent of telephone (Begin Strikeout)unit(s) (End of Strikeout) (<u>units</u>) per bank (Begin <u>but not less than one.</u> (End Underline)
2 or more banks	(Begin Strikeout)1 or at(End of Strikeout) At least 50 percent of telephone (Begin Strikeout)unit(s) (End of Strikeout) (<u>units</u>) per bank (Begin <u>but not less than one.</u> (End Underline) At least 1 telephone per floor shall meet the requirements for a forward reach telephone

¹Additional public telephones may be installed at any height.

1117B.2.8 Telephone equipment for hearing impaired persons. Telephones shall be equipped with a receiver that generates a magnetic field in the area of the receiver cap. (All telephones required to be accessible shall be equipped with a volume control. In addition, 25 percent, but never less than one, of all other public telephones provided shall be equipped with a volume control and shall be dispersed among all types of public telephones, including closed circuit telephones, throughout the building or facility.) If banks of public telephones are provided, at least one in each bank(Begin Strikeout) and a total of at least 25 percent of the total number of public telephones, including closed-circuit telephones in a building or facility, (End of Strikeout) shall be equipped with a volume control. Such telephones shall be capable of a minimum of 12 dBA and a maximum of 18 dBA above normal. If an automatic reset is provided, 18 dBA may be exceeded. Public telephones with volume control shall be hearing aid compatible and shall be identified by a sign containing a depiction of a telephone handset with radiating sound waves.

1117B.2.9 Text telephones. ...

1117B.2.9.2 General. Text telephones shall comply with the following requirements: ...

3. **Equivalent facilitation** may be substituted for the requirements of this section. For example, a portable text telephone may be made available in a hotel at a registration desk if it is available on a 24-hour basis for use with nearby public pay phones. In this instance, at least one pay phone shall comply with Item 2 above. In addition, if an acoustic coupler is used, the telephone handset cord shall be sufficiently long to allow connection of the text telephone and the telephone receiver. Directional signage shall comply with Section (Begin Strikeout)1117B.5(End of Strikeout) (Begin Underline)1117B.5.1 Items 2 and 3(End Underline).

1117B.5 Signs and identification. California's standards for signage are more stringent(Begin Strikeout) and are significantly larger and wider than Federal law, Americans with Disabilities Act (ADA) (End of Strikeout) than Section 4.30 (Begin Underline)of the ADA Standards for Accessible Design(End Underline).

1117B.5.5 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(Begin Underline)contracted ((End Underline)Grade 2(Begin Underline))(End Underline) Braille complying with Section 1117B.5.6.

...

1117B.5.6 Braille. Contracted (Grade 2) Braille shall be used wherever Braille is required in other portions of these standards. Dots shall be 1/10 inch ...

1117B.5.8 Symbols of accessibility.

1117B.5.8.1 International symbol of accessibility.

1117B.5.8.1.2 Entrance signs. All building and facility entrances that are accessible to and usable by persons with disabilities shall be identified with a minimum of one International Symbol of Accessibility and with additional directional signs, utilizing the symbol, at junctions where the accessible route of travel diverges from the regular

circulation path, to be visible to persons along approaching circulation paths. (Begin Underline)In existing buildings and facilities, entrances(End Underline) (Begin Strikeout)Entrances(End of Strikeout) which are not accessible shall have directional signage complying with Section 1117B.5.1, Items 2 and 3, which indicates the location of and route to the nearest accessible entrance.

1117B.6 Controls and operating mechanisms.

1. **General.** Controls and operating ...

2. **Clear floor space.** Clear floor space ...

3. **Height.** The highest operable part of all controls, dispensers, receptacles and other operable equipment shall be placed within at least one of the reach ranges specified in Sections 1118B.5 and 1118B.6. (Begin Strikeout) Electrical and communication systems receptacles on walls shall be mounted no less than 15 inches (381 mm) above the floor. (End of Strikeout)

Exception: These requirements do not apply where the use of special equipment dictates otherwise or where electrical and communication systems receptacles are not normally intended for use by building occupants.

4. ...

5. Installation heights of electrical switches and receptacle outlets.

5.1. **Electrical switches.** (Begin Strikeout)The center of the grip of the operating handle of controls or(End of Strikeout) (Begin Underline)Controls and(End Underline) switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment shall be(Begin Underline)located no more than(End Underline) 48 inches (1219 mm) (Begin Underline)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(End Underline) (Begin Strikeout)above(End of Strikeout) the (Begin Underline)finish(End Underline) floor or working platform.

5.2. **Electrical receptacle outlets.** (Begin Strikeout)The center of electrical(End of Strikeout) Electrical receptacle outlets on branch circuits of 30 amperes or less (Begin Underline)and communication system receptacles(End Underline) shall be(Begin Strikeout) installed(End of Strikeout) (Begin Underline)located(End Underline) (Begin Strikeout) not(End of Strikeout) (Begin Underline)no(End Underline) more than 48 inches (1219 mm) (Begin Underline)measured from the top of the receptacle outlet box or receptacle housing(End Underline) nor less than 15 inches (381 mm) (Begin Underline)measured from the bottom of the receptacle outlet box or receptacle housing to(End Underline) (Begin Strikeout)above(End of Strikeout) the(Begin Underline)level of the finish(End Underline) floor or working platform.

Exceptions:

1. Receptacle outlets installed ...
2. Required receptacle outlets ...
3. Baseboard electrical outlets ...
4. This section...

(Begin Underline)**1117B.9**(End Underline) (Begin Strikeout)1115B.4.7(End of Strikeout) **Accessible sinks.** (Begin Underline) Sinks required to be accessible shall comply with this subsection. (End Underline)

1. (Begin Strikeout)Accessible kitchen sinks. (End of Strikeout) A clear floor space at least 30 inches by 48 inches (762 mm by 1219 mm) complying with Section 1118B.4 shall be provided in front of a sink to allow forward approach. The clear floor space shall be on an accessible route and shall extend a maximum of 19 inches (485 mm) underneath the sink (see Figure 11B-1D).

(Begin Underline)2. (End Underline) Each accessible sink shall be a maximum of 6 ½ inches (165 mm) deep. Sinks shall be mounted with the counter or rim no higher than 34 inches (865 mm) above the finish floor. Knee clearance that is at least 27 inches (685 mm) high, 30 inches (762 mm) wide, and 19 inches (485 mm) deep shall be provided underneath sinks. Hot water and drain pipes exposed under sinks shall be insulated or otherwise configured so as to protect against contact. There shall be no sharp or abrasive surfaces under sinks.

(Begin Underline)3. (End Underline) Faucet controls and operating 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 not greater than 5 lbf (22.2 N). Lever-operated, push-type and electronically

controlled mechanisms are examples of acceptable designs. Self-closing valves are allowed if the faucet remains open for at least 10 seconds.

(Begin Strikeout)2. Noncommercial kitchen and counter bar sinks. A clear floor space at least 30 inches by 48 inches (762 mm by 1219 mm) complying with Section 1118B.4 shall be provided in front of a sink to allow forward approach. The clear floor space shall be on an accessible route and shall extend a maximum of 19 inches (485 mm) underneath the sink (see Figure 11B-1D). Each accessible sink shall be a maximum of 6-1/2 inches (165 mm) deep. Sinks shall be mounted with the counter or rim no higher than 34 inches (865 mm) above the finish floor. Knee clearance that is at least 27 inches (685 mm) high, 30 inches (762 mm) wide, and 19 inches (485 mm) deep shall be provided underneath sinks. Hot water and drain pipes exposed under sinks shall be insulated or otherwise configured so as to protect against contact. There shall be no sharp or abrasive surfaces under sinks. (End of Strikeout)

(Begin Strikeout)Kitchen and counter bar sinks located in common use areas shall have faucet controls and operating mechanisms operable with one hand in accordance with this chapter and shall not require grasping, pinching or twisting of the wrist. The force required to activate controls shall be no greater than 5 lbf (22.2 N). Lever-operated, push-type and electronically controlled mechanisms are examples of acceptable designs. (End of Strikeout)

1118B -- SPACE ALLOWANCE AND REACH RANGES

1118B.1 Wheelchair passage width. The minimum clear width for single wheelchair passage shall be 32 inches (813 mm) at a point and 36 inches (914 mm) continuously. See Figure 11B-10. (Begin Underline)In addition, wheelchair passage widths shall comply with Figure 11B-5E(a) and (b) for circulation around obstructions.(End Underline)

1118B.4 Clear floor or ground space for wheelchairs.

1. **Size and approach.** The minimum ...
2. **Relationship of maneuvering clearances to wheelchair spaces.** One full ...
3. (Begin Underline)**Surfaces for wheelchair spaces.** Clear floor or ground spaces for wheelchairs shall comply with Section 1124B Ground and Floor Surfaces.(End Underline)

1120B – FLOOR AND LEVELS

1120B.1 Floors within each story. In buildings and facilities, floors of a given story shall be a common level throughout, or shall be connected by pedestrian ramps, passenger elevators or (Begin Strikeout)special access(End of Strikeout) (Begin Underline)platform (wheelchair) (End Underline) lifts. ...

1121B – TRANSPORTATION FACILITIES

1121B.2 Bus stops and terminals.

1121B.2.1 New construction. Where provided, bus stop pads shall ... Bus stop pads shall be at same slope as roadway in the direction parallel to roadway, and maximum (Begin Strikeout)2 percent slope(End of Strikeout) (Begin Underline)one unit vertical in 50 units horizontal (2-percent slope) (End Underline) perpendicular to roadway. ...

1124B – CHANGES IN LEVEL

1124B.2 Changes in level. Changes in level up to 1/4 inch (6.4 mm) may be vertical and without edge treatment [see Figure 11B-5E (c)]. Changes in level between 1/4 inch (6.4 mm) and 1/2 inch (12.7 mm) shall be beveled with a slope no greater than (Begin Strikeout)1:2(End of Strikeout) (Begin Underline)one unit vertical in 2 units horizontal (50-percent slope) (End Underline) [see Figure 11B-5E (d)]. Changes in level greater than 1/2 inch (12.7 mm) shall be accomplished by means of a curb ramp, ramp, elevator or platform lift that complies with Sections 1127B.5, 1133B.5, 1116B.1 or 1116B.2, respectively.

1127B – EXTERIOR ROUTES OF TRAVEL

1127B.5 Curb ramps.

1. General. ...

2. Width of curb ramps. ...

3. Slope of curb ramps. The slope of curb ramps shall not exceed one unit vertical (Begin Strikeout)to(End of Strikeout) (Begin Underline)in(End Underline) 12 units horizontal (8.33-percent slope). The slope shall be measured as shown in Figure 11B-20E. Transitions from ramps to walks, gutters or streets shall be flush and free of abrupt change. Maximum slopes of adjoining gutters, road surface immediately adjacent to the curb ramp, or accessible route shall not exceed one unit vertical(Begin Strikeout) to(End of Strikeout) (Begin Underline)in(End Underline) 20 units horizontal (5-percent slope) within 4 feet (1219 mm) of the top and bottom of the curb ramp. The slope of the fanned or flared sides of curb ramps shall not exceed one unit vertical (Begin Strikeout)to(End of Strikeout) (Begin Underline)in(End Underline) 10 units horizontal (10-percent slope).

4. Level landing. A level landing 4 feet (1219 mm) deep shall be provided at the upper end of each curb ramp over its full width to permit safe egress from the ramp surface, or the slope of the fanned or flared sides of the curb ramp shall not exceed one unit vertical(Begin Strikeout) to(End of Strikeout) (Begin Underline)in(End Underline) 12 units horizontal (8.33-percent slope). ...

1128B – PEDESTRIAN GRADE SEPARATIONS (OVERPASSES AND UNDERPASSES)

Pedestrian ramps on pedestrian grade separations shall ...

Cross slopes of walking surfaces shall be the minimum possible and shall not exceed (Begin Strikeout)1/4 inch (6 mm) per foot (2.083-percent gradient) (End of Strikeout) (Begin Underline)one unit vertical in 50 units horizontal (2-percent slope) (End Underline). The slope of any appreciably warped walking surface shall not exceed one unit vertical in 12 units horizontal (8.33-percent slope) in any direction. Where pedestrian grade separations cross streets or other vehicular traffic ways, and where a street level crossing can reasonably and safely be used by persons with physical disabilities, there shall be provided conforming curb ramps and a usable pathway. ...

1129B – ACCESSIBLE PARKING REQUIRED

1129B.3 Parking space size. Accessible parking spaces shall be located as near as practical to a primary entrance and shall be sized as follows: ...

1. Dimensions. ...

2. Van space(s). ...

3. Arrangement of parking space. In each parking area, a bumper or curb shall be provided and located to prevent encroachment of cars over the required width of walkways. Also, the space shall be so located that persons with disabilities are not compelled to wheel or walk behind parked cars other than their own. Pedestrian ways which are accessible to persons with disabilities shall be provided from each such parking space to related facilities, including curb cuts or ramps as needed. Ramps shall not encroach into any accessible parking space or the adjacent access aisle. The maximum cross slope in any direction of an accessible parking space and adjacent access aisle shall not exceed(Begin Strikeout) 2 percent. (End of Strikeout) (Begin Underline) one unit vertical in 50 units horizontal (2-percent slope) (End Underline).

4. Slope of parking space(Begin Underline) and access aisle(End Underline). Surface slopes of accessible parking spaces (Begin Underline)and access aisles(End Underline) shall be the minimum possible and shall not exceed one unit vertical to (Begin Underline)in(End Underline) 50 units horizontal (2-percent slope) in any direction.

1129B.4 Identification of parking spaces for off-street parking facilities. Each 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 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.

(Begin Strikeout)Spaces(End of Strikeout) (Begin Underline)Van accessible spaces(End Underline) complying with Section 1129B.3, Item 2 shall have an additional sign (Begin Underline)or additional language(End Underline) stating (Begin Strikeout) “Van-Accessible(End of Strikeout) (Begin Underline)Van Accessible(End Underline)” (Begin Strikeout)mounted(End of Strikeout) below the symbol of accessibility. Signs identifying accessible parking spaces shall be located so they cannot be obscured by a vehicle parked in the space.

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 (Begin Underline)accessible(End Underline) stall or space. The sign shall not be less than 17 inches by 22 inches (432 mm by 559 mm) in size with (Begin Underline)1 inch (25 mm) high minimum(End Underline) lettering (Begin Strikeout)not less than 1 inch (25 mm) in height(End of Strikeout), which clearly and conspicuously states 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 _____.”

1131B – PASSENGER DROP-OFF AND LOADING ZONES

1131B.2 Passenger loading zones.

1. General. Where provided, one passenger drop-off and loading zone shall provide an access aisle at least 60 inches (1524 mm) wide and 20 feet (6096 mm) long adjacent and parallel to the vehicle pull-up space. Vehicle standing spaces and access aisles shall be level with surface slopes not exceeding(Begin Strikeout) 1:50 (2 percent(End of Strikeout)) (Begin Underline)one unit vertical in 50 units horizontal (2-percent slope)(End Underline) in all directions. If there are curbs between the access aisle and the vehicle pull-up space, a curb ramp shall be provided. Each passenger drop-off and loading zone designed for persons with disabilities shall be identified by a reflectorized sign, complying with 1117B.5.1 Items 2 and 3, permanently posted immediately adjacent to and visible from the passenger drop-off or loading zone stating “Passenger Loading Zone Only” and including the International Symbol of Accessibility, in white on dark blue background. ...

1133B -- GENERAL ACCESSIBILITY FOR ENTRANCES, EXITS AND PATHS OF TRAVEL

1133B.1 Building accessibility.

1133B.1.1 Entrances.

1133B.1.1.1 Entrances and exterior ground floor exit doors. ...

(Begin Underline)1133B.1.1.1.5 Service entrances. In existing buildings and facilities, a service entrance shall not be the sole accessible entrance unless it is the only entrance to a building or facility (for example, in a factory or garage). (End Underline)

1133B.2 Doors.

1133B.2.4.1 Thresholds. The floor or landing shall not be more than ½ inch (12.7 mm) lower than the threshold of the doorway. Change in level between ¼ inch (6 mm) and ½ inch (12.7 mm) shall be beveled with a slope no greater than one unit vertical to (Begin Underline)in(End Underline) 2 units horizontal (50-percent slope). Change in level greater than ½ inch (12.7 mm) shall be accomplished by means of a ramp. See Section 1133B.5.1.

(Begin Strikeout)1133B.2.5 Closer—effort to operate doors. Maximum effort to operate doors shall not exceed 5 lbf (22 N) for exterior and interior doors, such pull or push effort being applied at right angles to hinged doors and at the center plane of sliding or folding doors. Compensating devices or automatic door operators may be utilized to meet the above standards. When fire doors are required, the maximum effort to operate the door may be increased to the minimum allowable by the appropriate administrative authority, not to exceed 15 lbf (66.72 N). (End of Strikeout)

(Begin Underline)1133B.2.5 Door Opening Force. The maximum force required to push or pull open a door shall comply with this section. Push or pull force for a hinged door shall be measured perpendicular to the

door face at the door opening hardware or 30 inches (762 mm) from the hinged side, whichever is farther from the hinge. Push or pull force for a sliding or folding door shall be measured parallel to the door at the door pull or latch. Compensating devices or automatic door operators complying with Section 1133B.2.3.2 may be used to meet the maximum force limits. (End Underline)

1. (Begin Underline) Required fire doors shall have the minimum opening force allowable by the appropriate administrative authority, not to exceed 15 lbf (66.7 N). (End Underline)
2. (Begin Underline) Other than required fire doors, interior doors shall have a maximum opening force of 5 lbf (22.2 N). (End Underline)
3. (Begin Underline) Other than required fire doors, exterior doors shall have a maximum opening force of 5 lbf (22.2 N). (End Underline)

Exceptions:

1. (Begin Underline) Exterior doors to machinery spaces including, but not limited to, elevator pits or elevator penthouses; mechanical, electrical or communications equipment rooms; piping or equipment catwalks; electric substations and transformer vaults; and highway and tunnel utility facilities. (End Underline)
2. (Begin Underline) When, at a single location, one of every 8 exterior door leaves, or fraction of 8, is a powered door, other exterior doors at the same location, serving the same interior space, may have a maximum opening force of 8.5 lbf (37.8 N). The powered leaf(s) shall be located closest to the accessible route. (End Underline)
 - a. (Begin Underline) Powered doors shall comply with Section 1133B.2.3.2. Powered doors shall be fully automatic doors complying with Builders Hardware Manufacturers' Association (BHMA) A156.10 or low energy operated doors complying with BHMA A156.19. (End Underline)
 - b. (Begin Underline) Powered doors serving a building or facility with an occupancy of 150 or more shall be provided with a back-up battery or back-up generator. The back-up power source shall be able to cycle the door a minimum of 100 cycles. (End Underline)
 - c. (Begin Underline) Powered doors shall be controlled on both the interior and exterior sides of the doors by sensing devices, push plates, vertical actuation bars or other similar operating devices complying with Section 1117B.6. (End Underline)

(Begin Underline) At each location where push plates are provided there shall be two push plates; the centerline of one push plate shall be 7 inches (178 mm) minimum and 8 inches (203 mm) maximum above the floor or ground surface and the centerline of the second push plate shall be 30 inches (762 mm) minimum and 44 inches (1219 mm) maximum above the floor or ground surface. Each push plate shall be a minimum of 4 inches (102 mm) diameter or a minimum of 4 inches by 4 inches (102 mm by 102 mm) square and shall display the International Symbol of Accessibility complying with Section 1117B.5.8.1. (End Underline)

(Begin Underline) At each location where vertical actuation bars are provided the operable portion shall be located so the bottom is 5 inches (127 mm) maximum above the floor or ground surface and the top is 35 inches (889 mm) minimum above the floor or ground surface. The operable portion of each vertical actuation bar shall be a minimum of 2 inches (51 mm) wide and shall display the International Symbol of Accessibility complying with Section 1117B.5.8.1. (End Underline)

(Begin Underline) Where push plates, vertical actuation bars or other similar operating devices are provided, they shall be placed in a conspicuous location. A level and clear floor or ground space for forward or parallel approach complying with Sections 1118B.4 and 1124B.1 shall be provided, centered on the operating device. Doors shall not swing into the required clear floor or ground space. (End Underline)

- d. *(Begin Underline)*Signage identifying the accessible entrance required by Section 1127B.3 shall be placed on, or immediately adjacent to, each powered door. Signage shall be provided in compliance with BHMA A156.10 or BHMA 156.19, as applicable. *(End Underline)*
- e. *(Begin Underline)*In addition to the requirements of Item d, where a powered door is provided in buildings or facilities containing assembly occupancies of 300 or more, a sign displaying the International Symbol of Accessibility measuring 6 inches by 6 inches (152 mm by 152 mm), complying with Section 1117B.5.8.1, shall be provided above the door on both the interior and exterior sides of each powered door. *(End Underline)*

1133B.3 Corridors, hallways and exterior exit balconies.

1133B.3.2 Corridors and hallways over 200 feet (60 960 mm). Corridors and hallways that are located on an accessible route and exceed 200 feet (60 960 mm) in length shall have a minimum clear width of 60 inches (1524 mm). *(Begin Underline)* If an accessible route has less than 60 inches (1524 mm) clear width, *(End Underline)* then passing spaces at least 60 inches by 60 inches (1524 mm by 1524 mm) shall be located at *(Begin Strikeout)* reasonable *(End of Strikeout)* intervals *(Begin Strikeout)* not to exceed *(End of Strikeout)* *(Begin Underline)* of *(End Underline)* 200 feet (60 960 mm) *(Begin Underline)* maximum *(End Underline)*. A "T" intersection of two corridors or walks is an acceptable passing place. ...

1133B.4 Stairways.

1133B.4.1 Handrails.

1133B.4.2 ...

1133B.4.3 ...

1133B.4.4 Striping for the visually impaired. *(Begin Strikeout)*The upper approach and the lower tread of each stair shall be marked by a strip of clearly contrasting color at least 2 inches (51 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 be of material that is at least as slip resistant as the other treads of the stair *(End of Strikeout)* *(Begin Underline)* Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. Exterior stairs shall have the upper approach and all treads marked by a stripe providing clear visual contrast. *(End Underline)*

(Begin Strikeout) Where stairways occur outside a building, the upper approach and all treads shall be marked by a strip of clearly contrasting color at least 2 inches (51 mm) 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 be of a material that is at least as slip resistant as the other treads of the stair. A painted strip shall be acceptable. *(End of Strikeout)* *(Begin Underline)* The stripe shall be a minimum of 2 inches (50.8 mm) wide to a maximum 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 upper approach. The stripe shall extend the full width of the step or upper approach and shall be of material that is at least as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. *(End Underline)*

1133B.4.1.1 Required handrails. Stairways shall have handrails on each side *(Begin Strikeout)*. , and every stairway required to be more than 88 inches (2235 mm) 60 inches (1524 mm) in width shall be provided with not less than one intermediate handrail for each 88 inches (2235 mm) of required width. in compliance with Section 1012.8. Intermediate handrails shall be spaced approximately equally across with the entire width of the stairway. *(End of Strikeout)* Handrails shall be continuous along both sides of a stairway. *(Begin Underline)* Intermediate handrails shall be provided as required in Section 1012.8. *(End Underline)*

1133B.4.5 *(Begin Strikeout)*Treads, nosing and risers *(End of Strikeout)*. *(Begin Underline)***Stair treads, risers and nosing.** Stair treads shall be no less than 11 inches (279 mm) deep, measured from riser to riser. Stair riser heights shall be 7 inches (178 mm) maximum and 4 inches (102 mm) minimum. On any given flight of stairs, all steps shall have uniform riser height and uniform tread widths. *(End Underline)*

1133B.4.5.1 Treads. All tread surfaces shall be slip resistant. Weather-exposed stairs and their approaches shall be designed so that water will not accumulate on the walking surfaces. Treads shall have smooth, rounded or (Begin Strikeout) chamfered (End of Strikeout) (Begin Underline) beveled (End Underline) exposed edges (Begin Strikeout), and no abrupt edges at the nosing (lower front edge). The radius of curvature at the leading edge of the tread shall be no greater than ½ inch (12.7 mm). (End of Strikeout)

(Begin Underline) **1133B.4.5.2 Risers.** Risers shall be solid and shall be vertical (see Figure 11B-35(a) or sloped from the underside of the leading edge of the tread above at an angle not more than 30 degrees (0.52 rad) from the vertical (see Figure 11B-35(b)). Open risers are not permitted. (End Underline)

(Begin Strikeout) 1133B.4.5.2 (End of Strikeout) (Begin Underline) **1133B.4.5.3 (End Underline) Nosing.** (Begin Underline) The radius of curvature at the leading edge (nosing) of the tread shall be no greater than ½ inch (12.7 mm). Beveling of nosings shall not exceed ½ inch (12.7 mm). (End Underline) Nosings shall not project more than (Begin Strikeout) 1-1/2 (End of Strikeout) (Begin Underline) 1-1/4 (End Underline) inches (Begin Strikeout) (38 mm) (End of Strikeout) (Begin Underline) (31.8) (End Underline) past the face of the riser below. (Begin Underline) Nosings that project beyond risers shall have the underside of the leading edge beveled at an angle not more than 30 degrees (0.52 rad) from the vertical (see Figure 11B-35(c)). The transition from the nosing to the riser shall be free of abrupt edges. All projections shall be of uniform size, including nosings at landings. (End Underline)

(Begin Underline) **Exceptions:** (End Underline)

1. (Begin Underline) In existing buildings there is no requirement to retroactively alter existing nosing projections of 1-½" inches (38.1 mm) which were constructed in compliance with the building code in effect at the time of original construction. (End Underline)

(Begin Strikeout) 1133B.4.5.3 Open risers are not permitted. On any given flight of stairs, all steps shall have uniform riser height and uniform tread widths consistent with Section 1133B.4. Stair treads shall be no less than 11 inches (279 mm) deep, measured from riser to riser. See Figure 11B-35. Risers shall be sloped or the underside of the nosing shall have an angle not less than 60 degrees from the horizontal. (End of Strikeout)

(Begin Strikeout) **Exceptions:**

(Begin Underline) 2. (End Underline) (Begin Strikeout) 1. (End of Strikeout) In existing buildings, when the enforcing agency determines that compliance ...

(Begin Underline) 3. (End Underline) (Begin Strikeout) 2. (End of Strikeout) These regulations shall not apply to existing buildings when legal or physical ...

1133B.5 Ramps.

1133B.5.1 General. Ramps (Begin Strikeout) used as exits (End of Strikeout) shall conform to the provisions of this section. Any accessible route of travel shall be considered a ramp if its slope is greater than (Begin Strikeout) 1 foot (305 mm) rise in 20 feet (6096 mm) of horizontal run (5-percent gradient) (End of Strikeout) (Begin Underline) one unit vertical in 20 units horizontal (5-percent slope) (End Underline).

1133B.5.2 Width. (Begin Strikeout) Pedestrian ramps (End of Strikeout) (Begin Underline) Ramps (End Underline) shall have a minimum clear width of 48 inches (1219 mm), unless required to be wider by some other provision of this code. (Begin Strikeout) Pedestrian ramps (End of Strikeout) (Begin Underline) Ramps (End Underline) serving entrances to 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). Ramps serving Group R Occupancies may be 36 inches (914 mm) clear width when the occupant load is 50 or less.

1133B.5.3 Slope. The least possible slope shall be used for any ramp. The maximum slope of a ramp (Begin Strikeout) that serves any exit way, provides access for persons with physical disabilities or is in the accessible route of travel (End of Strikeout) shall be (Begin Strikeout) 1-foot (305 mm) rise in 12 feet (3658 mm) of horizontal run (8.3-percent gradient) (End of Strikeout) (Begin Underline) one unit vertical in 12 units

horizontal (8.33-percent slope) (End Underline). The maximum rise for any run shall be 30 inches (762 mm). Examples of ramp dimensions are as follows: ...

(Begin Strikeout)SLOPE(End of Strikeout)	(Begin Strikeout)MAXIMUM RISE(End of Strikeout)		(Begin Strikeout)MAXIMUM(End of Strikeout)	
	inches	mm	feet	m
(Begin Strikeout)1:12 to < 1:16(End of Strikeout)	(Begin Strikeout)30(End of Strikeout)	(Begin Strikeout)760(End of Strikeout)	(Begin Strikeout)30(End of Strikeout)	(Begin Strikeout)9(End of Strikeout)
(Begin Strikeout)1:16 to < 1:20(End of Strikeout)	(Begin Strikeout)30(End of Strikeout)	(Begin Strikeout)760(End of Strikeout)	(Begin Strikeout)40(End of Strikeout)	(Begin Strikeout)12(End of Strikeout)

(Begin Underline)Slope(End Underline)	(Begin Underline)Maximum Rise(End Underline)	(Begin Underline)Maximum Length(End Underline)
(Begin Underline)1:12(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)30 feet (9144 mm) (End Underline)
(Begin Underline)1:13(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)32.5 feet (9906 mm) (End Underline)
(Begin Underline)1:14(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)35 feet (10668 mm) (End Underline)
(Begin Underline)1:15(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)37.5 feet (11430 mm) (End Underline)
(Begin Underline)1:16(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)40 feet (12192 mm) (End Underline)
(Begin Underline)1:17(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)42.5 feet (12954 mm) (End Underline)
(Begin Underline)1:18(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)45 feet (13716 mm) (End Underline)
(Begin Underline)1:19(End Underline)	(Begin Underline)30 inches (762 mm) (End Underline)	(Begin Underline)47.5 feet (14478 mm) (End Underline)

1133B.5.5 Handrails for ramps.

1133B.5.5.1 Handrails are required on ramps that provide access if slope exceeds (Begin Strikeout)1 foot (305 mm) rise in 20 feet (6096 mm) of horizontal run (5-percent gradient) (End of Strikeout) (Begin Underline)one unit vertical in 20 units horizontal (5-percent slope), (End Underline)except that at exterior door landings, handrails are not required on ramps less than 6 inches (152 mm) rise or 72 inches (1829 mm) in length. Handrails shall be placed on each side of each ramp, shall be ...

1133B.6 Aisles

1133B.6.1 General. Every portion of every building ...

1133B.6.2 Width. Every aisle shall not be less than 36 inches (914 mm) wide if serving only one side, and not less than 44 inches (1118 mm) wide if serving both sides. (Begin Underline)In addition, aisles shall comply with Figure 11B-5E(a) and (b) for circulation around obstructions. (End Underline)

1133B.7 Walks and sidewalks.

1133B.7.1.1 Slopes less than 6 percent. Surfaces with a slope of less than (Begin Strikeout)6 percent gradient(End of Strikeout) (Begin Underline) 6-percent slope(End Underline) shall be at least as slip-resistant as that described as a medium salted finish.

1133B.7.1.2 Slopes 6 percent or greater. Surfaces with a slope of (Begin Strikeout)6 percent gradient(End of Strikeout) (Begin Underline)6-percent slope(End Underline) shall be slip-resistant.

1133B.7.1.3 Surface cross slopes. Surface cross slopes shall not exceed (Begin Strikeout)1/4 inch (6 mm) per foot(End of Strikeout) (Begin Underline)one unit vertical in 2 units horizontal (50-percent slope) (End Underline).

1133B.7.3 Five-percent gradient. When the slope in the direction of travel of any walk exceeds one unit vertical to (Begin Underline)in(End Underline) 20 units horizontal (5-percent (Begin Strikeout)gradient(End of Strikeout) (Begin Underline)slope(End Underline)), it shall comply with the provisions of Section 1133B.5.

1133B.7.4 Changes in level. (Begin Strikeout)Abrupt changes in level along any accessible route shall not exceed 1/2 inch (12.7 mm). When changes in level do occur, they shall be beveled with a slope no greater than 1 unit vertical to 2 units horizontal (50%), except that level changes not exceeding 1/4 inch (6 mm) may be vertical. (End of Strikeout) (Begin Underline)Changes in level shall comply with Section 1124B.2(End Underline).

(Begin Strikeout)When changes in levels greater than 1/2 inch (12.7 mm) are necessary, they shall comply with the requirements for curb ramps. See Section 1127B.5. (End of Strikeout)

1133B.7.5 ...

1133B.7.6 Walks with continuous gradients. All walks with continuous gradients shall have level areas at least 5 feet (1524 mm) in length at intervals of (Begin Strikeout)at least every(End of Strikeout) 400 feet (121 920 mm) (Begin Underline) maximum(End Underline).

1133B.8 Hazards.

(Begin Underline)**1133B.8.7 Detectable warnings at reflecting pools.** The edges of reflecting pools shall be protected by railings, walls, warning curbs or detectable warnings complying with Section 1121B.3.1, Item 8(a). (End Underline)

1134B – ACCESSIBILITY FOR EXISTING BUILDING

1134B.1 Scope. The provisions of this division apply to renovation, structural repair, alteration and additions to existing buildings, including those identified as ...

(Begin Underline)No renovation, structural repair, alteration or addition shall be undertaken which decreases or has the effect of decreasing accessibility or usability of a building or facility below the requirements for new construction at the time of renovation, structural repair, alteration or addition.(End Underline)

1134B.2 General. ...

1134B.2.1 A primary entrance to the building or facility and the primary path of travel to the specific area of alteration, structural repair or addition, and sanitary facilities, drinking fountains, signs and public telephones serving the area.

Exceptions:

1. *When the total construction cost of alterations, structural repairs or additions does not exceed a valuation threshold of \$50,000, based on January 1981, "ENR US20 Cities" Average construction cost index of 3372.02 (Engineering News Record, McGraw Hill Publishing Company), and the enforcing agency finds that compliance with this code creates an unreasonable hardship, compliance shall be limited to the actual work of the project. The enforcing agency shall annually update the valuation threshold to a current amount based on the increase in the index since the last figure used. (For example, the January (Begin Strikeout)2006(End of Strikeout) (Begin Underline)2008(End Underline) amount is(Begin Strikeout) \$113,586.07(End of Strikeout) (Begin Underline)\$119,958.65(End Underline).) For purposes of this exception, ...*

FIGURE 11B-2A SHOWER STALLS

FIGURE 11B-2B SHOWER STALLS (CONT)

FIGURE 11B-2C SHOWER STALLS (CONT)

FIGURE 11B-26A LEVEL MANEUVERING CLEARANCE AT DOORS

FIGURE 11B-26B LEVEL MANEUVERING CLEARANCE AT DOORS

FIGURE 11B-27 RAMPS AND SIDEWALKS

FIGURE 11B-35 - WARNING STRIPING AND HANDRAIL EXTENSIONS

FIGURE 11B-36 STAIR HANDRAILS

FIGURE 11B-37 – STAIR HANDRAILS

CHAPTER 11C – STANDARDS FOR CARD READERS AT GASOLINE FUEL- DISPENSING FACILITIES

1101C – CARD-READER DEVICES AT FUEL-DISPENSING EQUIPMENT

LEVEL ACCESSIBLE AREA, for the purpose of this section, shall mean a slope of not more than (Begin Strikeout)2 percent(End of Strikeout) (Begin Underline)one unit vertical in 50 units horizontal (2-percent slope) (End Underline) in front of the dispensing device; however, the slope may extend to(Begin Strikeout) 5 percent(End of Strikeout) (Begin Underline)one unit vertical in 20 units horizontal (5-percent slope) (End Underline) where the enforcing authority determines that, due to unusual site conditions, the(Begin Strikeout)2 percent gradient(End of Strikeout) (Begin Underline)2-percent slope(End Underline) is not obtainable.