



CITY OF LOS ANGELES



**Title 24, California Code of Regulations
Accessibility Regulations
Supplemental Correction List No. 1
(Effective 11-01-2002)**

**Sanitary Facilities, Drinking Fountains,
Telephones, Alterations and Wheelchair Lifts**

P.C.# _____

SANITARY FACILITIES (GENERAL)

- Sanitary facilities that serve buildings, facilities or portions of buildings or facilities that are required to be accessible by these standards shall conform to the requirements of Section 1115B.1. (1115B.1)
- Where separate facilities are provided for non-disabled persons of each sex, separate facilities shall be provided for persons with disabilities of each sex also. Where unisex facilities are provided for persons without disabilities, at least one unisex facility shall be provided for persons with disabilities within close proximity to the non-accessible facility. (1115B.2, Fig 11B-1A)

recommendations are based on the federal "recommendations for Accessibility for Children in Elementary School" and other recognized publications on access for children.

- Doorways leading to men's sanitary facilities shall be identified by an equilateral triangle 1/4" thick with edges 12" long and a vertex pointing upward. Women's sanitary facilities shall be identified by a circle 1/4" thick and 12" in diameter. (1115B.5)
- Unisex sanitary facilities shall be identified by a circle 1/4" thick, 12" in diameter, with a 1/4" thick triangle superimposed on the circle and within the 12" diameter. (1115B.5)
- Geometric (circle & triangle) symbols on sanitary facility doors shall be centered on the door at a height of 60" and their color and contrast shall be distinctly different from the color and contrast of the door. (1115B.5)

NOTE: See also Section 1117B.5.7 for additional signage requirements applicable to sanitary facilities.

	A	E	K
Toilet centering from wall	18"	15"	12"
Toilet seat height	17"-19"	15"	10"-12"
Grab bar height (side)	33"	27"	20"-22"
Toilet paper in front of toilet	12" max	6" max*	6" max*
Dimensions to top of seat			
Napkin disposal in front of toilet	12" max	12" max	N/A
Dispenser or mirror height	40" max	36" max	32" max
Lavatory/sink top height	34" max	29" max	24" max
Lavatory/sink knee clearance	27" min	24" min	19" min
Urinal lip height	17" max	15" max	13" max
Urinal flush handle height	44" max	37" max	32" max
Drinking fountain bubbler height	36" max	32" max	30" max
Drinking fountain knee clearance	27" min	24" min	22" min
Ramp/stair handrail height	34"-38"	27"	22"
* Deviates from code requirements and requires a written finding of hardship			

SINGLE ACCOMMODATION SANITARY FACILITIES

NOTE: Single Accommodation Sanitary Facility is defined as "a room that has not more than one of each type of sanitary fixture, is intended for use by only one person at a time, has no partition around the toilet, and has a door that can be locked on the inside by the room occupant". (220)

- A = Adult dimensions (age 12 and over)
E = Elementary dimensions
K = Kindergarten and pre-school dimensions (T1115B-1)
- Where facilities are to be used solely by small children, the specific heights may be adjusted to meet their accessibility needs. See Table above for suggested mounting heights. (1115B.3)

The dimensions are recommended by the Division of the State Architect, Office of Regulation Services. These

- There shall be sufficient space in the toilet room for a wheelchair measuring 30" wide by 48" long to enter the room and permit the door to close. (1115.B.7.2)
- There shall be in the room, a clear floor space of at least 60" in diameter, or a T-shaped space complying with Figures 11B-12(a) and (b). No door shall encroach into this space for more than 12" except for the panel door to any water closet compartment if there is one. (1115B.7.2, Fig 11B-1A)
- The water closet shall be located in a space which provides a minimum 28" wide clear space from a fixture or a minimum 32" wide clear space from a wall at one side. The other side shall provide 18" from the centerline of the water closet to the wall. A minimum 48" clear space shall be provided in front of the water closet. (1115B.7.2, Fig 11B-1A)

4. All doors, fixtures, and controls shall be on an accessible route with a minimum clear width of 36" except at doors. If a person in a wheelchair must make a turn around an obstruction, the minimum clear width of the accessible route shall be as shown in Figure 11B-5E. (1115B.7.2)

MULTIPLE ACCOMMODATION SANITARY FACILITIES

NOTE: Multiple Accommodation Sanitary Facility is defined as "a room that has more than one sanitary fixture, is intended for the use of more than one person at a time, and which usually is provided with privacy compartments or screens shielding some fixtures from view". (214)

1. A clear space measured from the floor to a height of 27" above the floor, within the sanitary facility room, of sufficient size to inscribe a circle with a diameter not less than 60", or a clear space 56" by 63" in size, shall be provided for wheelchair maneuvering. Doors shall not swing into the floor space required for any fixture. Other than the door to the accessible **water closet** compartment, in any position may encroach into this space by not more than 12".
(1115B.7.1.1 & 1115B.7.1.2, Fig 11B-1B)
2. A water closet fixture located in a compartment shall provide a minimum 28" wide clear space from a fixture or a minimum 32" wide clear space from a wall at one side of the water closet. The other side of the water closet shall provide 18" from the centerline of the water closet to the wall. Grab bars shall not project more than 3" into these clear spaces. **The stall shall be minimum of 60" wide.**
(1115B.7.1.3, Fig 11B-1B)
3. A minimum 48" long clear space shall be provided in front of the water closet if the compartment has an end opening door (facing the water closet) and a minimum 60" long clear space shall be provided in front of the water closet if the compartment has a door located at the side. Grab bars shall not project more than 3" into these clear spaces.
(1115B.7.1.3, Fig 11B-1A & B)
4. Water closet compartment shall be equipped with a door that has an automatic-closing device, and shall have a clear, unobstructed opening width of 32" when located at the end and 34" when located at the side with the door positioned at an angle of 90 degrees from its closed position.
(1115B.7.1.4, Fig 11B-1A & B)
5. When standard compartment doors are used, with a minimum 9" clearance for footrests underneath and a self-closing device, clearance at the strike edge, as specified in Section 1133B.2.4.3, is not required. (1115B.7.1.4)
6. 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.
(1115B.7.1.4)
7. Except for door opening widths and door swings, a clear unobstructed access not less than 44" shall be provided to water closet compartments designed for use by persons with disabilities and the space immediately in

front of a water closet compartment shall be not less than 48" as measured at right angles to compartment door in its closed position. (1115B.7.1.4, Fig 11B-1B)

8. Where six or more stalls are provided within a multiple accommodation toilet room, in addition to the standard accessible stall required above, at least one additional stall shall be 36" wide with an outward swinging self-closing door and parallel grab bars complying with Sections 1115B.8.2 through 1115B.8.4. (1115B.7.1.5)

SANITARY FACILITY FIXTURES & ACCESSORIES

1. The height of accessible water closets shall be a minimum of 17" and a maximum of 19" measured to the top of a maximum 2" high toilet seat, except that 3" seats shall be permitted only in alterations where the existing fixture is less than 15" high. (1115B.2.1)
2. A clear floor space 30" by 48" shall be provided in front of a lavatory to allow a forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend into knee and toe space underneath the lavatory. A door swing shall not encroach into this clear space.
(1115B.9.1.1, 1115B.7.1.2, Fig 11B-1B)
3. Lavatories, when located adjacent to a side wall or partition shall be a minimum distance of 18" to the center line of the fixture. (1115B.2.1.2.1, Fig 11B-1A)
4. Lavatories that are designated to be accessible shall be mounted with the rim or counter edge no higher than 34" above the finished floor and with a vertical clearance measured from the bottom of the apron or outside bottom edge of the lavatory of 29", reducing to 27" at a point located 8" back from the front edge. Knee clearance below the lavatory shall extend a minimum of 30" in width by 17" in depth. Toe clearance shall be the same width and shall be a minimum of 9" high from the floor and a minimum of 17" deep from the front of the lavatory.
(1115B.2.1.2.1, Fig.11B-1D)
5. Hot water and drain pipes under accessible lavatories shall be insulated or otherwise covered. There shall be no sharp or abrasive surfaces under lavatories.
(1115B.2.1.2.2)
6. Where urinals are provided, at least one shall have a clear floor space 30" by 48" in front of the urinal to allow forward approach.
(1115B.9.4)
7. Urinals shall be floor mounted or wall hung. Where one or more wall hung urinals are provided, at least one with a rim projecting a minimum of 14" from the wall and at a maximum of 17" above the floor shall be provided.
(1115B.2.1.1.1)
8. Controls for water closet flush valves shall be mounted on the wide side of toilet areas. (1115B.2.1)
9. Water closet and urinal flush valve controls, and faucet and operating mechanism controls, shall be operable with one hand, shall not require tight grasping, pinching, or twisting of the wrist, and shall be mounted no more than 44" above the floor.
(1115B.2.1 #2, 1115B.2.1.1.2, 1115B.2.1.2.1)

10. The force required to activate water closet and urinal flush valve controls, and faucet and operating mechanism controls, shall be no greater than 5 lbf. Electronic or automatic flushing controls are acceptable and preferable. (1115B.2.1, 1115B.2.1.1.2, 1115B.2.1.2.1)
11. Self-closing faucet control valves are allowed if the faucet remains open for at least 10 seconds. (1115B.2.1.2.1)
12. Mirrors shall be mounted with the bottom edge no higher than 40" from the floor. (1115B.9.1.2)
13. Where towel, sanitary napkins, waste receptacles, and other similar dispensing and disposal fixtures are provided, at least one of each type shall be located with all operable parts, including coin slots, within 40" from the finished floor. (1115B.9.2)
14. Toilet tissue dispensers shall be located on the wall within 12" of the front edge of the toilet seat and no lower than 19" from the floor. Dispensers that control delivery or that do not permit continuous paper flow shall not be used. (1115B.9.3, Fig 11B-1A)
15. Toilet room floors shall have a smooth, hard, non-absorbent surface such as Portland cement, concrete, ceramic tile or other approved material which extends upward onto the walls at least 5". Walls within water closet compartments and walls within 24" of the front and sides of urinals shall be similarly finished to a height of 48" and, except for structural elements, the materials used in such walls shall be a type which is not adversely affected by moisture. (1115B.9.5)

GRAB BARS

1. Grab bars shall be located on each side, or on one side and the back of the accessible toilet stall or compartment. (1115B.8.1, Fig 11B-1A,B &C)
2. Grab bars at the side shall be at least 42" long with the front end positioned 24" in front of the water closet stool and with the back end positioned no more than 12" from the rear wall. Grab bars at the back shall be not less than 36" long. (1115B.8.1, Fig 11B-1A,B, &C)
3. Grab bars shall be securely attached 33" above and parallel to the floor, except that where a tank-type toilet is used which obstructs placement at 33", the grab bar may be as high as 36". (1115B.8.1, Fig 11B-1A)
4. The diameter or width of the gripping surfaces of a grab bar shall be 1¼" to 1½" nominal or the shape shall provide an equivalent gripping surface. If grab bars are mounted adjacent to a wall, the space between the wall and the grab bars shall be 1½". (1115B.8.2, Fig 11B-1C)
5. The structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the following specifications: (1115B.8.3)
 - a. Bending stress in a grab bar or seat induced by the maximum bending moment from the application of a 250-lb point load shall be less than the allowable

stress for the material of the grab bar or seat. (1115B.8.3.1)

- b. Shear stress induced in a grab bar or seat by the application of a 250-lb point load shall be less than the allowable shear stress for the material of the grab bar or seat, and its mounting bracket or other support is considered to be fully restrained, then direct and torsional shear stresses shall not exceed the allowable shear stress. (1115B.8.3.2)
 - c. Shear force induced in fastener or mounting devices from the application of a 250-lb point load shall be less than the allowable lateral load of either the fastener or mounting device or the supporting structure, whichever has the smaller allowable load. (1115B.8.3.3)
 - d. Tensile force induced in a fastener by a direct tension force of a 250-lb point load, plus the maximum moment from the application of a 250-lb point load, shall be less than the allowable withdrawal load between the fastener and supporting structure. (1115B.8.3.4)
 - e. Grab bars shall not rotate within their fittings. (1115B.8.3.5)
6. The grab bar and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of 1/8". (1115B.8.4)

BATHING FACILITIES & LOCKERS

1. Where facilities for bathing are provided for the public, clients, or employees, including showers, bathtubs, or lockers, at least one such facility, and not less than 1% of all facilities shall be made accessible. (1115B.6)
2. Provide a clear floor space with minimum dimensions of ____ adjacent to bathtub. (1115B.6.1., Fig 11B-8)
3. Provide grab bars for bathtubs which comply with Section 1115B.8.2, 1115B.8.3, 1115B.8.4. (1115B.6.1.3, Fig 11B-9A, Fig 11B-9B)
4. Bathtubs shall be provided with a shower spray unit having a hose at least 60" long that can be used as a fixed shower head or as a handheld shower. (1115B.6.1.5, Fig 11B-9B)
5. Provide an in-tub seat or a seat at the head end of bathtubs which is mounted securely, does not slip during use, and is designed, including attachment, to meet the requirements of Section 1115B.8.3. (1115B.6.1.2, Fig 11B-8 & 9B)
6. Faucets and other controls for bathtubs shall be located between top of tub and grab bar, shall be operable with one hand, and shall not require tight grasping, pinching or twisting of the wrist. The force required to activate controls shall be no greater than 5 pounds. (1115B.6.1.4, Fig 11B-9B)
7. If provided, enclosures for bathtubs shall not obstruct controls or transfer from wheelchair onto bathtub seats or

- into tubs. Enclosures on bathtubs shall not have tracks mounted on their rims. (1115B.6.1.6, 1506)
8. Showers shall be either 60" minimum in width between wall surfaces and 30" minimum in depth with a full opening width on the long side, or 42" in width between wall surfaces and 48" minimum in depth with an entrance opening of 42". As an alternative, showers 60" minimum in width may be 36" minimum in depth as long as the entrance opening width is a minimum 36". (1115B.6.2.1, Fig 11B-2A, 2B & 2D)
 9. Provide grab bars for compartment showers which comply with Section 1115B.8. (**Fig 11B-2A**)
 10. When a threshold or recessed drop is permitted at compartment showers, it shall be a maximum of ½" in height and shall be beveled or sloped at an angle not exceeding 45 degrees from the horizontal. (1115B.6.2.2, Fig 11B-2A & 2B)
 11. The maximum slope of the floor shall be 2% in any direction. Where drains are provided, grate openings shall be a maximum of 1/4" and located flush with the floor surface. (1115B.6.2.4.4)
 12. The following compartment shower accessories shall be provided: (1115B.6.2.4.5)
 - a. A folding seat, mounted 18" above the floor, and with a minimum space of 1" and a maximum space of 1-1/2" allowed between the edge of the seat and any wall. When folded, the seat shall not extend more than 6" from the mounting wall. See Figures 11B-2A, 2B, & 2D for seat size and configuration. (1115B.6.2.4.5.1, Fig 11B-2A, 2B, & 2D)
 - b. An L-shaped grab bar mounted between a minimum of 33" and a maximum of 36" above the shower floor and mounted on walls opposite and adjacent to the front edge of the seat, but not extended to include that portion of wall over the long side of the seat. (1115B.6.2.4.5.2, Fig 11B-2A, 2B, & 2D)
 - c. Grab bars complying with the diameter, loading, and projection requirements of Sections 1115B.8.2 through 1115B.8.4. (1115B.6.2.4.5.2)
 - d. Water controls of a single lever design located on the side wall of the shower adjacent to the seat and mounted at 40" ± 1" above the shower floor and with the centerline of the controls within a reach range of no less than 18" and no more than 24" from the rear edge of the seat. The controls shall be operable with a maximum force of 5plf. (1115B.6.2.4.1, Fig 11B-2A, 2B, & 2D)
 - e. A soap dish, when provided, located on the control wall at a maximum height of 40" above the shower floor and within reach limits from the seat. (1115B.6.2.4.6)
 - f. A flexible hand-held shower unit with a hose at least 60" long provided within reach range of the seat at a distance not to exceed 27" horizontally,
- measured from the rear seat edge to the centerline of the mounting bracket. This unit shall be mounted at a maximum height of 48" ± 1" above the shower floor. (1115B.6.2.4.2, Fig 11B-2A & 2B)
13. The following open shower accessories shall be provided:
 - a. A folding seat, mounted 18" above the floor, and with a minimum space of 1" and a maximum space of 1-1/2" allowed between the edge of the seat and any wall. When folded, the seat shall not extend more than 6" from the mounting wall. See Figure 11B-2C for seat size and configuration. (1115B.6.2.4.5.1 & 1115B.6.3, Fig 11B-2C)
 - b. The shower located in a corner with an L-shaped or two grab bars, a minimum of 24" in length and a minimum of 36" in length, with the 36" grab bar located on the wall having the shower head and controls, but not extended to include that portion of wall over the long side of the seat. Grab bars shall be mounted between a minimum of 33" and a maximum of 36" above the shower floor. (1115B.6.2.4.5.2 & 1115B.6.3, Fig 11B-2C)
 - c. Grab bars complying with the diameter, loading, and projection requirements of Sections 1115B.8.2 through 1115B.8.4. (1115B.6.2.4.5.2)
 - d. Water controls of a single lever design located on the side wall of the shower adjacent to the seat and mounted at 40" ± 1" above the shower floor, and the centerline of the controls shall be within a reach range of no less than 18" and no more than 24" from the rear edge of the seat. The controls shall be operable with a maximum force of 5plf. (1115B.6.2.4.1, Fig 11B-2C)
 - e. A soap dish, when provided, shall be located on the control wall at a maximum height of 40" above the shower floor, and within reach limits from the seat. (1115B.6.2.4.6)
 - f. A flexible hand-held shower spray unit with a hose at least 60" long provided within reach range of the seat at a distance not to exceed 27" horizontally measured from the rear seat edge to the centerline of the mounting bracket. This unit shall be mounted at a maximum height of 48" ± 1" above the shower floor. (1115B.6.2.4.2, Fig 11B-2C)
 14. Showers shall be finished with a smooth, hard, non-absorbent surface such as Portland cement, concrete, ceramic tile or other approved material to a height of not less than 70" above the drain inlet. Materials other than structural elements used in such walls shall be if a type which is not adversely affected by moisture. (1115B.9.6)
 15. Where, within the same functional area, two or more accessible showers are provided, there shall be at least one shower constructed opposite hand from the other or others (i.e., one left hand control vs. right hand control). (1115B.6.2.3, 1505.4)
 16. Except within guest rooms and suites in hotels, motels, and similar transient lodging establishments, where accessible shower facilities are provided in areas subject

- to excessive vandalism, in lieu of providing the fixed flexible hose, two wall mounted shower heads shall be installed. Each shower head shall be installed so that it can be operated independently of the other and shall have swivel angle adjustments, both vertically and horizontally. One shower head shall be located at a height of 48" (plus or minus 1") above the floor. (1115B.6.2.4.3, 1505.3)
17. Enclosures, when provided for shower stalls, shall not obstruct transfer from wheelchairs onto shower seats. (1115B.6.2.5)
 18. Doors and panels of shower and bathtub enclosures shall be substantially constructed from approved, shatter-resistant materials. Hinged shower doors shall open outward. (1115B.9.7)
 19. Glazing used in doors and panels of shower and bathtub enclosures shall be fully tempered, laminated safety glass, or approved plastic. When glass is used, it shall have a minimum thickness of not less than 1/8" when fully tempered, or 1/4" when laminated, and shall pass the test requirements of UBC Standard No. 24-2. (1115B.9.8)
 20. Plastic used in doors and panels of showers and bathtub enclosures shall be of shatter-resistant type. (1115B.9.9)
 21. At least one and not less than 1% of all lockers shall be made accessible to persons with disabilities, including clear space, reach range requirements, and a path of travel not less than 36" in clear width shall be provided to these lockers. (1115B.6.4)

DRINKING FOUNTAINS

1. In new construction, where only one drinking fountain area is provided on a floor, there shall be a drinking fountain which is accessible to individuals who use wheelchairs in accordance with **Section 1115B.2.1.2** and one accessible to those who have difficulty bending or stooping. This can be accommodated by the use of a hi-low fountain or by such other means as would achieve the required accessibility for each group on each floor. (1117B.1.1)
2. Drinking fountains shall be located completely within alcoves or otherwise positioned so as not to encroach into pedestrian ways. The alcove in which the water fountain is located shall not be less than 32" in width and 18" in depth. **Protruding objects located in alcoves or otherwise positioned so as to limit encroachment into pedestrian ways are permitted to project 4" into walls, corridors, passageways or aisles.** (1117B.1.2, Fig 11B-3)
3. Drinking fountains shall be a minimum of 18" in depth and there shall be a clear and unobstructed knee space under the drinking fountain not less than 27" in height and 8" in depth, the depth measurement being taken from the front edge of the fountain. (1115B.2.1.5.1, Fig 11B-3)
4. There shall be toe clearance of 9" in height above the floor, and 17" in depth from the front edge of the fountain. (1115B.2.1.5.1)
5. A side approach drinking fountain is not acceptable. (1115B.2.1.5.1)

6. The drinking fountain bubbler shall be activated by a manually operated system not requiring a force greater than 5 lbf., that is located within 6" of the front edge of the fountain or preferably an electronically controlled device. (1115B.2.1.5.3, Fig 11B-3)
7. The bubbler outlet orifice shall be located within 6" of the front of the drinking fountain and shall be within 36" of the floor. The water stream from the bubbler shall be substantially parallel to the front edge of the drinking fountain. (1115B.2.1.5.3, Fig 11B-3)
8. The spout shall provide a flow of water at least 4" high so as to allow the insertion of a cup or glass under the flow of water. The force required to activate controls shall be no greater than 5 lbf. (1115B.2.1.5.4)

PUBLIC TELEPHONES

1. If public telephones are provided, they shall be made accessible to the extent required by the following table: (1117B.2.1)

# of each type of telephone provided on each floor	Minimum # of telephones required to comply with 1117B.2*
1 or more single units	1 or at least 50% of telephone units per floor
1 telephone bank	1 or at least 50% of telephone units per bank
2 or more banks	1 or least 50% of telephone units per bank ... at least 1 telephone per floor shall meet the requirements for a forward reach telephone

- * Additional public telephones may be installed at any height.
2. A clear floor or ground space at least 30" by 48" that allows either a forward or parallel approach by a person using a wheelchair shall be provided at telephones. (1117B.2.2, Fig 11B-4)
 3. Bases, enclosures, and fixed seats shall not impede approaches to telephones by people who use wheelchairs. (1117B.2.5)
 4. The highest operable part of the telephone shall be within 48" of the floor if forward approached and 54" if side approached. (1117B.2.6, Fig 11B-4)
 5. Telephones mounted diagonally in a corner that require wheelchair users to reach diagonally shall have the highest operable part no higher than 54" above the floor. (1117B.2.6, Fig 11B-4)
 6. The cord from the telephone to the handset shall be at least 29" long. (1117B.2.11)
 7. Telephones shall have push-button controls where service for such equipment is available. (1117B.2.10)

8. If telephone enclosures are provided, they shall comply with the following: (1117B.2.7)
- a. For side approach telephones, the enclosure overhang shall be no greater than 19" and the height of the lowest overhanging part shall be equal to or greater than 27". (1117B.2.7.1, Fig 11B-4(a))
 - b. For forward approach telephones, if the enclosure overhang is greater than 12", the clear width of the enclosure shall be 30" minimum; if the clear width of the enclosure is less than 30", the height of the lowest overhanging part shall be equal to or greater than 27". (1117B.2.7.3, Fig 11B-4(c))
 - c. Entrances to full-height enclosures shall be 30" minimum. (1117B.2.7.2, Fig 11B-4(b))
 - d. Where telephone enclosures protrude into walls, halls, corridors, or aisles, they shall comply with Section **1133B8.6** (Hazards and Protruding Objects). (1117B.2.7.4)
9. Telephones shall be equipped with a receiver that generates a magnetic field in the area of the receiver cap. If banks of public telephones are provided, at least one in each bank and a total of at least 25% of the total number of public telephones, including closed circuit telephones in a building or facility, 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.2.8, **Fig 11B-14B**)
10. If a total of four or more public pay telephones are provided at the interior and exterior of a site, and if at least one of the total is in an interior location, then at least one interior public text telephone shall be provided. (1117B.2.9.1)
11. Text telephones shall comply with the following: (1117B.2.9.2)
- a. Text telephones used with a pay telephone shall be permanently affixed within or adjacent to the telephone enclosure. If an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the text telephone and telephone receiver. (1117B.2.9.2.1)
 - b. Pay telephones designed to accommodate a portable text telephone shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a text telephone and shall have 6" minimum vertical clearance in the area where the text telephone is to be placed. (1117B.2.9.2.2)
 - c. Equivalent facilitation may be substituted for the above requirements. (1117B.2.9.2.3)

- d. Text telephones shall be identified by the international **TTY symbol** (see Figure 11B-14). If a facility has a public text telephone, directional signage indicating the location of the nearest such telephone shall be placed adjacent to all banks of telephones that do not contain a text telephone. Such directional signage shall include the international **TTY symbol**. If a facility has no banks of telephones, the directional signage shall be provided at the entrance or in a building directory. (1117B.2.9.3)
12. If telephone books are provided, they shall be located within 48" of the floor if forward approached and within 54" if side approached. (1117B.2.12)

ALTERATIONS TO EXISTING BUILDINGS & FACILITIES

- NOTE: Areas of renovation, structural repair, alteration and additions to existing buildings are required to meet the same accessibility standards as for new construction projects. In addition, an accessible path of travel from that entrance to the area of remodel, and accessible restrooms, drinking fountains, and public telephones serving the area of remodel must be provided.
- 1. When alteration, structural repair, or additions are made to existing buildings or facilities, those alterations shall comply with all provisions for New Buildings standards. These requirements shall apply to only the area of specific alteration, structural repair or addition. (1134B.2)
 - 2. Furthermore, the requirements for New Buildings standards shall include the following areas: (1134B.2.1)
 - a. 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
- b. Existing sanitary facilities, drinking fountains and **signs and** public telephones serving the area of alteration, structural repair or addition must fully comply.
- 3. If the total cost of alterations, structural repair or additions does not exceed the threshold valuations of \$_____, and the cost of providing all the accessible features mentioned in item No.2 above exceeds 20% of the total cost without these features, an "unreasonable hardship" may be created. In choosing which accessible features to provide, priority should be given to those elements that will provide the greatest access, in the following order: (1134B.2.1excep.1)
 - a. An accessible entrance;
 - b. An accessible route of travel to the altered area;
 - c. At least one accessible restroom for each sex;
 - d. Accessible telephones;
 - e. Accessible drinking fountains; and
 - f. Other accessible elements such as parking, storage, and alarms.

4. In alteration projects involving certain types of privately funded multi-story buildings and facilities previously approved and built without elevators, areas requiring compliance above and below the ground floor are subject to the 20% disproportionality provisions described in Item No. 3 above (even if the value of the project exceeds the unreasonable hardship valuation). (1134B.2.1excep.2)

The types of buildings and facilities are:

- a. Office buildings and passenger vehicle service stations of three stories or more and 3,000 square feet or more per floor.
 - b. Offices of physicians and surgeons.
 - c. Shopping centers
 - d. Other buildings and facilities three stories or more and more than 3,000 square feet per floor if a reasonable portion of services sought and used by the public is available on the accessible level.
5. **Where it is technically infeasible in the area of an alteration to make existing restroom facilities code compliant and to install separate sanitary facilities for each sex, then the installation of at least one unisex toilet/bathroom per floor being altered, located in the same area as existing toilet facilities, will be permitted. Such facility shall meet the requirements of Section 1115B.7.2 (1134B2.2)**
6. **When automatic door operator is utilized to operate a pair of doors, at least one of the doors shall provide a clear, unobstructed opening width of 32" with the door positioned at an angle of 90 degrees from its closed position. Exceptions:**
- a. **In existing buildings the following shall apply:**
 - 1) **Where the occupant load is less than 10, except Group I, Division 1 Occupancies, doorways may be 30" in clear width.**
 - 2) **Where occupant load is greater than 10 and it is determined that compliance with Section 1133B2.3 would create an unreasonable hardship, doorway may be 30" in clear width.**
 - b. **In existing buildings, the provisions of this section shall not apply when legal or physical constraints will not allow compliance with these building standards or equivalent facilitation without creating an unreasonable hardship. See Section 101.17.11, Item 4. (1134B.3.1)**
7. Buildings that have been remodeled to provide specific sanitary facilities and/or elevators for the public use that conform to Title 24 shall have this information posted in the building lobby, preferably as part of the building directory. (1117B.5.8.1.3)
8. In existing sales facilities, check stands shall comply with the requirements of Section 1110B.1.3.
9. A 3-inch high toilet seat shall be permitted where the existing water closet fixture is less than 15 inches high. (1115B.2.1 excep. #1)

SPECIAL ACCESS (WHEELCHAIR) LIFTS

NOTE: Special Access (Wheelchair) Lifts may be provided between levels, in lieu of passenger elevators, when the vertical distance between landings, structural design, and safeguards are as allowed by the State of California, Division of the State Architect, Access Compliance Section, 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 the restrictions and enhancements of this section in conjunction with sections 3093 to 3094, Part 7 of the California Code of regulations. (1116B.2)

- 1. Lifts shall be designed and constructed to facilitate unassisted entry, operation, exit from the lift, and shall comply with Chapter 11B, "Clear Floor or Ground Space"; Section 1124B, "Ground and Floor Surfaces"; Section 1116B.2.4.1, "Controls and Operating Mechanisms"; and ASME A17.1, Safety Code for Elevators and Escalators, Part XX, 1990.
- 2. Lifts may be provided as part of an accessible route only for the following conditions: (1116B.2)
 - a) To provide an accessible route to a performing area in an assembly occupancy. (1116B.2.1)
 - b) To comply with the wheelchair viewing position line-of-sight and dispersion requirements of **Section 1104B.3.5.** (1116B.2.2)
 - c) To provide access to incidental occupiable spaces and rooms which are not open to the general public and which house no more than 5 persons, including but not limited to equipment control rooms and projection booths. (1116B.2.3)
 - d) To provide access where existing site constraints or other constraints make use of a ramp or an elevator infeasible. (1116B.2.4)

NOTE: Sections 1116B.2.4 Exception 3 does not limit the use of a Special Access (Wheelchair) Lift to the four conditions listed above when the lift is being installed as part of an accessible route for additions or alterations.

- 3. Special Access lifts shall not be used as a component in an egress system,

Exception: When provided as a means of egress component per Section 1116B2.2 the specialty access lift is permitted to be part of an accessible exit component when:

- a. **The building has a supervised automatic sprinkler system.**
- b. **The area served by the special access lift does not serve more than 4 wheelchair viewing positions.**

