



**COUNTY OF LOS ANGELES  
DEPARTMENT OF PUBLIC WORKS  
BUILDING AND SAFETY DIVISION**

**ACCESSIBILITY  
SUPPLEMENTAL #1  
PLAN REVIEW LIST**

**GENERAL PROJECT INFORMATION**

PLAN CHECK NO. \_\_\_\_\_ DISTRICT NO \_\_\_\_\_  
JOB ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ZIP \_\_\_\_\_

NOTE: Numbers in the parenthesis ( ) refer to sections of the 2008 edition of the Los Angeles County Building Code, Table (T) & Building Code Manual (BCM).

**INSTRUCTIONS**

- Corrections with circled item numbers apply to this plan check.
- In the left-hand margin of the circled corrections, please indicate the sheet number and detail or note number on the plans where the corrections are made. Resubmit marked original plans and two corrected sets of plans, calculations and this plan review list.
- Incomplete, unclear, or faded drawings or calculations will not be accepted.
- Incorporate all comments as marked on checked set of plans and calculations and these correction sheets.

**SANITARY FACILITIES (GENERAL)**

1. Bathing and toilet facilities that serve buildings, facilities or portions of buildings or facilities that are required by these standards to be accessible to persons with disabilities, shall be on an accessible route and shall conform to the requirements of section 1115B. (1115B.1)
2. Where separate facilities are provided for persons of each sex, these facilities shall be accessible to persons with disabilities. Where unisex facilities are provided, these facilities shall be accessible to persons with disabilities. (1115B.1.1, Fig 11B-1A)

A = Adult dimensions (age 12 and over)  
E = Elementary dimensions  
K = Kindergarten and pre-school dimensions

3. Where facilities are to be used solely by small children, the specific heights and clearances may be adjusted to meet their accessibility needs. See Table above for suggested mounting heights and clearances. (1115B.1.2)
4. The dimensions are recommended by the Division of the State Architect, Office of Regulation Services. These recommendations are based on the federal "recommendations for Accessibility for Children in Elementary School" and other recognized publications on access for children.
5. 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.6)
6. 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.6)
7. 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.6)

Table 1115B-1			
	A (Inches)	E (Inches)	K (Inches)
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
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 min
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

NOTE: See also Section 1117B.5.1 for additional signage requirements applicable to sanitary facilities.

**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". (202)

8. Show 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.3.2.1)
9. Show 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". (1115B.3.2.1, Fig 11B-1A)
10. Doors shall not swing into the clear floor space required for any fixture. (1115B.3.2.2)
11. Show that the centerline of the water closet fixture shall be 18" from the side wall or partition. On the other side of the water closet, provide a minimum 28" wide clear floor space if the water closet is adjacent to a fixture or a minimum of 32" wide clear floor space if the water closet is adjacent to a wall or partition. This clear space shall extend from the rear wall to the front of the water closet. (1115B.4.1, Fig 11B-1A)
12. 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.3.2.4)
13. The entrance door shall contain a privacy latch which complies with Section 1117B.6. (1115B.3.2.7)
14. Provide 18" clearance on the strike side of the door. (1115B.3.1)
15. In existing buildings, a single accommodation toilet water closet may be located in an area that provides a clear space of 36" wide by 48" long in front of the water closet. Revise dimensions to comply the required minimum dimensions. (1115B.3.2)
18. If the compartment has a side-opening door, show a minimum 60" wide and 60" deep clear floor space in front of the water closet. (1115B.3.1.4.2)
19. If the compartment has an end-opening door, show a minimum 60" wide and 48" deep clear floor space in front of the water closet. The door shall be located in front of the clear floor space and diagonal to the water closet, with a maximum stile width of 4". (1115B.3.1.4.3, Fig 11B-1A & B)
20. Note that the 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.3.1.4.4, Fig 11B-1A & B)
21. Note that 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.3.1.4.5)
22. Except for door opening widths and door swings, show a clear unobstructed access not less than 44" shall be provided to water closet compartments designed for use by persons with disabilities. 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.3.1.4.5, Fig 11B-1B)
23. Where six or more compartments are provided within a multiple accommodation toilet room, in addition to the standard accessible stall required above, at least one additional ambulatory accessible compartment shall be 36" wide with an outward swinging self-closing door and parallel grab bars complying with Sections 1115B.4.1, Item 3. (1115B.3.1.5)
24. Provide an 18" clearance at the strike side of water closet compartment doors (no exception). (1115B.3.1, item 4.4).

## **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". (202)

16. Show 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". Doors shall not swing into the floor space required for any fixture. Other than the door to the accessible water closet compartment, a door, in any position, may encroach into this space by not more than 12". (1115B.3.1.1 & 1115B.3.1.2, Fig 11B-1B)
17. 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 a minimum of 60" wide. (1115B.4.1.1, Fig 11B-1B)

## **SANITARY FACILITY FIXTURES & ACCESSORIES**

25. Show 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.4.4)
26. Show a clear floor space 30" by 48" in front of a lavatory to allow a forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend a maximum of 19" into knee and toe space underneath the lavatory. A door swing shall not encroach into this clear space. (1115B.4.3.3, 1115B.3.2.2, Fig 11B-1B)
27. Show that all 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.4.3.2, Fig 11B-1A)

28. Show that lavatories that are designated to be accessible shall be a minimum 17" in horizontal depth and mounted with the rim or counter edge no higher than 34" above the finished floor and with vertical clearance measured from the bottom of the apron or the outside bottom edge of the lavatory of 29", reducing to 27" at a point located 8" back from the front edge. In addition, a minimum 9" high toe clearance must be provided extending back toward the wall to a distance no more than 6" from the back wall. The toe clearance space must be free of equipment or obstructions. (1115B.4.3.2, Fig.11B-1D)
29. Show that 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.4.3.4)
30. 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.4.2.3)
31. Show that urinals shall be floor mounted, stall-type or wall hung. Where one or more wall hung urinals are provided, at least one with an elongated rim projecting a minimum of 14" from the wall, a maximum of 17" from the wall, and a maximum of 17" above the floor shall be provided. (1115B.4.2.1)
32. Note that controls for water closet flush valves shall be mounted on the wide side of toilet areas. Automatic spring to lifted position seats are not allowed. (1115B.4.1.5, 1115B.4.1.7)
33. Note that 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.4.1.5, 1115B.4.2.2, 1115B.4.3.1)
34. Note 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.4.1.5, 1115B.4.2.2, 1115B.4.3.1)
35. Note that self-closing faucet control valves are allowed if the faucet remains open for at least 10 seconds. (1115B.4.3.1)
36. Show that mirrors shall be mounted with the bottom edge of the reflecting surface no higher than 40" from the floor. (1115B.8.1)
37. If medicine cabinets are provided, at least one shall be located with a usable shelf no higher than 44" above the floor. A clear floor space 30" by 48" complying with Section 1118B.4 shall be provided in front of a medicine cabinet to allow a forward or parallel approach. (1115B.8.2)
38. Where towel, sanitary napkins, waste receptacles, dispensers, or other equipment and controls are provided, show at least one of each type shall be located on an accessible route, with all operable parts, including coin slots, within 40" from the finished floor and shall comply with Section 1117B.6. (1115B.8.3)
39. Show that toilet tissue dispensers shall be located on the wall within 12" of the front edge of the toilet seat, mounted below the grab bar at a minimum height of 19", and 36" maximum to the far edge from the rear wall. Dispensers that control delivery or that does not permit continuous paper flow shall not be used. (1115B.8.4, Fig 11B-1A)
40. Show that 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.3.1.6)

### **GRAB BARS**

41. Show that grab bars for water closets not located within a compartment shall comply with Section 1115B.7 and shall be provided on the side wall closest to the water closed and on the rear wall. (1115B.4.1.3)
42. Show that grab bars for water closets located within an accessible compartment shall comply with Section 1115B.7 and shall be provided on the side wall closest to the water closet and on the rear wall. (1115B.4.1.3)
43. Show that grab bars for water closets located within ambulatory accessible compartments shall be provided on both sides of the compartment. (1115B.4.1.3)
44. Show that the side grab bars shall be 42" long minimum, located 12" maximum from the rear wall, and extend 54" minimum from the rear wall. The front end shall be positioned 24" minimum in front of the water closet, and shall be securely attached and centered 33" above and parallel to the floor. (1115B.4.1.3.1, Fig 11B 1A & 1B)
45. Show that the rear grab bars shall be 36" long minimum and extend from the centerline of the water closet 12" minimum on one side and 24" minimum on the other side. The rear grab bar shall be securely attached and centered 33" above and parallel to the floor, except that where a tank-type toilet is used, which obstructs placement at 33", the bar may be as high as 36", with 1-1/2" minimum between the bar and top of tank. (1115B.4.1.3.2, Fig 11B-1A)
46. Show the diameter or width of the gripping surfaces of a grab bar shall be 1-1/4" to 1-1/2" 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 1-1/2". (1115B.7.1, Fig 11B-1C)
47. Note that the structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the following specifications: (1115B.7.2)
  - 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.7.2.1)

- 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.7.2.2)
  - 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.7.2.3)
  - 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.7.2.4)
  - e. Grab bars shall not rotate within their fittings. (1115B.7.2.5)
48. Note that 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.7.3)

## **BATHING FACILITIES & LOCKERS**

49. Where facilities for bathing are provided for the public, clients, or employees, including showers or bathtubs, at least one shower or bathtub and support facilities, such as lockers, and not less than 1% of all facilities shall be made accessible. (1115B.2)
50. Note that showers in all occupancies 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.2.1)
51. Note that doors and panels of shower and bathtub enclosures shall be substantially constructed from approved, shatter-resistant materials. Hinged shower doors shall open outward. (1115B.2.2)
52. Note that 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 Section 2406. (1115B.2.3)
53. Note that plastic used in doors and panels of showers and bathtub enclosures shall be of shatter-resistant type. (1115B.2.4)
54. Show a clear floor space with minimum dimensions of \_\_\_\_\_ adjacent to bathtub. (1115B.4.5.1, Fig 11B-8)
55. Provide and show 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.7.2. (1115B.4.5.2, Fig 11B-8 & B-9)
56. Provide and show grab bars for bathtubs which comply with Section 1115B.7. (1115B.4.5.3, Fig 11B-9)
57. Show that faucets and other controls for bathtubs shall be located as shown in Figure 11B-9, 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.2.5.4, Fig 11B-9)
58. Show that 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.4.5.5)
59. 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.4.5.6)
60. Showers shall be either a) 60" minimum in width between wall surfaces and 30" minimum in depth with a full opening width on the long side, b) 60" in width between wall surfaces and 36" in depth with an entrance opening of 36" minimum, or c) 60" minimum in width between the wall surfaces and 36" minimum in depth as long as the entrance opening width is a minimum 36". (1115B.4.4.1, Fig 11B-2A, 2B & 2D)
61. Show that thresholds in roll-in type showers shall be a maximum of 1/2" in height and shall be beveled or sloped at an angle not exceeding 45 degrees from the horizontal. (1115B.4.4.2, 1124B.2)
62. Note that 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.4.4.7)
63. 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.4.4.3)
64. Note that 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 centerline of the controls shall be located at 40" above the shower floor. The force required to activate controls shall be no greater than 5lbf. (1115B.4.4.4, Fig 11B-2A, 2B, & 2C)
65. Provide and show a flexible hand-held shower unit with a hose at least 60" long that can be used both as a fixed shower head and as a hand-held shower. This unit shall be mounted such that the top of the mounting bracket is at a maximum height of 48" above the shower floor. (1115B.4.4.5, Fig 11B-2A, 2B & 2C)

66. Show that the controls and hand-held sprayer unit in a 60" minimum by 30" minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the unit and controls shall be no more than 27" from the seat wall, with the controls having a minimum of 19" to the seat wall. (1115B.4.4.4.1, 1115B.4.4.5.1, Fig 11B-2A)
67. Show that the controls and hand-held sprayer unit in a 60" minimum by 36" alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat. The centerline of the controls shall be within a range of no less than 19" and no more than 27" from the seat wall. The centerline of the sprayer unit shall be 18" from the seat wall. (1115B.4.4.4.2, 1115B.4.4.5.2, Fig 11B-2B)
68. Show that the controls and hand-held sprayer unit in a 60" minimum by 36" minimum alternate roll-in shower with optional enclosure shall be located on the back wall of the compartment adjacent to the seat and the centerline of the unit and controls shall be no more than 27" from the seat wall, with the controls having a minimum of 19" to the seat wall. (1115B.4.4.4.3, 1115B.4.4.5.3, Fig 11B-2C)
69. 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" above the floor. (1115B.4.4.6)
70. The following compartment shower accessories shall be provided: (1115B.4.4.8)
- 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. The seat dimensions and mounting position shall comply with Figures 11B-2A, 2B, 2C, and 2D. The structural strength of seats and their attachments shall comply with 1115B.7.2. (1115B.4.4.8.1)
  - Grab bars located on walls adjacent to and opposite the seat. Grab bars shall also comply with the diameter, loading and projection requirements of Section 1115B.7. Grab bars shall be mounted between a minimum of 33" and a maximum of 36" above the shower floor. (1115B.4.4.8.2, Fig 11B-2A, 2B, & 2C)
  - An L-shaped grab bar mounted on walls opposite and adjacent to the front edge of the seat, but not extended to include that portion of wall over the seat. (1115B.4.4.8.2, Fig 11B-2A, 2B, & 2C)
  - 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.4.4.9)
71. Note that enclosures, when provided for shower stalls, shall not obstruct controls or obstruct transfer from wheelchairs onto shower seats. (1115B.4.4.10, Fig 11B-2A, 2B, 2C, & 2D)
72. Where lockers are provided for the public, clients, employees, members, or participants, at least one locker and not less than 1% of all lockers shall be made accessible to persons with disabilities. A path of travel not less than 36" in clear width shall be provided to these lockers. (1115B.8.5)

## **DRINKING FOUNTAINS**

73. Where only one drinking fountain area is provided on a floor, there shall be a drinking fountain that is accessible to individuals who use wheelchairs, and one accessible to those who have difficulty bending or stooping. This can be accommodated by the use of "hi-low" fountains, or by such other means as would achieve the required accessibility for each group on each floor. (1115B.4.6.1)
74. Where more than one drinking fountain is provided on a floor, 50% of those provided shall comply with Items 1, 2, 4, and 5 of Section 1115B.4.6 and shall be on an accessible route. All drinking fountains shall comply with 1115B.4.6.3. (1115B.4.6.1)
75. Show that wall- and post-mounted cantilevered drinking fountains shall be a minimum of 18" and a maximum of 19" in depth and shall have a clear knee space between the bottom of the apron and the floor or ground not less than 27" in height, 30" in width, and 8" in depth. The depth shall be taken from the front edge of the fountain back toward the wall or mounting post. (1115B.4.6.2, Fig 11B-3B)
76. Note that the knee and toe clearance space shall be free of equipment or obstructions. (1115B.4.6.2)
77. Show a toe clearance of 9" in height above the floor, and 17" in depth from the front edge of the fountain. (1115B.4.6.2)
78. Show a clear floor space at least 30" by 48" shall be provided in front of the drinking fountain to allow forward approach. A side approach drinking fountain is not acceptable. (1115B.4.6.2)
79. All drinking fountains shall be located completely within alcoves or otherwise positioned so as not to encroach into pedestrian ways. The alcove in which the drinking fountain is located shall not be less than 32" in width and 18" in depth. Protruding objects located in alcoves or encroaching into pedestrian ways are permitted to project 4" into walks, halls, corridors, passageways, or aisles. (1115B.4.6.3, Fig 11B-3)
80. Show that the drinking fountain bubbler shall be activated by a manually operated system not requiring a force greater than 5 lbf., that is front mounted or side mounted and located within 6" of the front edge of the fountain or preferably an electronically controlled device. (1115B.4.6.4, Fig 11B-3)

81. Note that 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.4.6.4, Fig 11B-3)
82. Note that 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. On an accessible drinking fountain with a round or oval bowl, the spout must be positioned so the flow of water is within 3" of the front edge of the fountain. (1115B.4.6.5)

**ACCESSIBLE SINKS**

83. Where provided, show that accessible kitchen sinks and noncommercial kitchen and counter bar sinks shall have a clear floor space at least 30" by 48" complying with 1118B.4 and providing a forward approach. The clear floor space shall be on an accessible route and shall extend a maximum of 19" underneath the sink. (1115B.4.7, Fig 11B-1D)
84. Show that each accessible sink shall be a maximum of 6-1/2" deep. Sinks shall be mounted with the counter or rim no higher than 34" above the finish floor. Show knee clearance that is at least 27" high, 30" wide, and 19" deep under sinks. (1115B.4.7, item 1)
85. Note that 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. (1115B.4.7, item 1)
86. Note that 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. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs. (1115B.4.7, item 1)
87. Note that self-closing faucet control valves are allowed if the faucet remains open for at least 10 seconds. (1115B.4.7, item 1)

**PUBLIC TELEPHONES**

88. 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.

89. Show 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)
90. Show that bases, enclosures, and fixed seats shall not impede approaches to telephones by people who use wheelchairs. (1117B.2.5)
91. Show 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)
92. Note that 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)
93. Note that the cord from the telephone to the handset shall be at least 29" long. (1117B.2.11)
94. Note that telephones shall have push-button controls where service for such equipment is available. (1117B.2.10)
95. If telephone enclosures are provided, they shall comply with the following: (1117B.2.7)
- a. Where a parallel approach is provided at a telephone within an enclosure, the enclosure and counter may extend beyond the face of the telephone a maximum of 10". The enclosure and counter may not overlap the required clear floor or ground space. (1117B.2.7.1, Fig 11B-4)
  - b. Where a front approach is provided at a telephone within an enclosure, the counter may extend beyond the face of the telephone a maximum of 20" into the required clear floor or ground space and the enclosure may extend beyond the face of the telephone a maximum of 24". If an additional 6" in width of clear floor space is provided, creating a clear floor space of 36" by 48", the enclosure may extend more than 24" beyond the face of the telephone. (1117B.2.7.3, Fig 11B-4)
  - c. Entrances to full-height enclosures shall be 30" minimum. (1117B.2.7.2, Fig 11B-4)
  - d. Where telephone enclosures protrude into walls, halls, corridors, or aisles, they shall comply with Section 1133B.8.6. (1117B.2.7.4)
96. 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)

97. 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)
98. 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)
99. Note that 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)

### **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 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.

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 Title 8 of the California Code of Regulations. (1116B.2)

100. 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, or to a speaking area or similar place (such as a dais or "head table") in an assembly or Group B 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.

101. Special access lifts, when provided as a component in an accessible means of egress shall meet the following requirements:
- a. The special access lifts are 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.3.1)
  - b. When the special access lift is provided per Section 1116B.2.2, the area served by the lift shall not serve more than four wheelchair viewing positions. (1116B.3.2)
102. When the special access lift is provided per Section 1116B.2.2, the building shall have a supervised automatic sprinkler system. (1116B.3.2.1)
103. When the special access lift is provided per Section 1116B.2.2, the maximum distance from the point where the wheelchair occupant is seated to a point where the occupant has a choice of two directions of travel to an exit shall not exceed 30'. The length of the common path of travel shall include the vertical travel distance of the lift. (1116B.3.2.2)
104. In new construction, the minimum size of landings shall be 60" by 60". Other dimensions may be substituted where it can be demonstrated that a person using a wheelchair measuring 30" by 48" can enter and operate the lift safely. (1116B.2.4.1)
- NOTE: Level and clear floor areas or landings as specified in this section shall be part of "Path of Travel" requirements. (1116B.2.4.2)
105. Note that lifts shall have low energy power-operated doors or gates. Doors and gates shall remain open for 20 seconds minimum. End doors shall be 32" minimum clear width, and side doors shall be 42" clear width. (1116B.4)

