

**CALIFORNIA ACCESSIBILITY REQUIREMENTS**  
**CHAPTER 11B, 2010 CBC**

**1103B BUILDING ACCESSIBILITY**

1103B.1 SCOPE. Accessibility to buildings or portions of buildings shall be provided for all occupancy classifications except as modified or enhanced by this chapter. Occupancy requirements in this chapter may modify general requirements, but never to the exclusion of them. When a building or facility contains more than one use, the occupancy specific access or accessibility provisions for each portion of the building or facility shall apply.

An accessible route of travel complying with Section 114B.1.2 shall connect elements and spaces within a building or facility. Multistory buildings and facilities must provide access to each level, including mezzanines, by ramp or passenger elevator complying with Section 116B. If more than one elevator is provided, each passenger elevator shall comply with Section 116B.

**1114B FACILITY ACCESSIBILITY**

1114B.2 ACCESSIBLE ROUTE OF TRAVEL. When a building, or portion of a building, is required to be accessible or adaptable, an accessible route of travel complying with Sections 102B, 114B, 1133B.3, 1133B.5, 1133B.7, and 1133B.8 shall be provided to all portions of the building to accessible building entrances and between the building and the public way. Except within an individual dwelling unit, an accessible route of travel shall not pass through kitchens, storage rooms, restrooms, closets or other spaces for similar purposes. At least one accessible route within the boundary of the site shall be provided from public transportation stops, accessible parking or accessible passenger loading zones and public access or parking to the accessible building entrance to the building. The accessible route shall, to the maximum extent feasible, coincide with the route for the general public. At least one accessible route shall connect accessible buildings, facilities, elements and spaces that are on the same site. At least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements and with all accessible dwelling units within the building or facility. An accessible route shall connect at least one accessible entrance of each accessible dwelling unit with those exterior and interior spaces and facilities that serve the accessible dwelling unit. Where more than one route of travel is provided, all routes shall be accessible.

**1115B BATHING AND TOILET FACILITIES (SANITARY FACILITIES)**

1115B.1 GENERAL. Bathing and toilet facilities that serve buildings, facilities or portion 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 following requirements. The accessible features and controls required in this section shall be on an accessible route. An undisturbed turning space complying with Section 115B.3.1, Item 1, or 115B.3.2, Item 1, as applicable, shall be provided within an accessible toilet facility. The clear floor spaces at fixtures and controls, the accessible route and the turning space may overlap.

1115B.1.1 SEPARATE AND UNSEX FACILITIES. Where separate facilities are provided for persons of each sex shall be accessible to persons with disabilities. Where unisex facilities are provided, these facilities shall be accessible to persons with disabilities.

1115B.2 BATHING AND SHOWER FACILITIES. 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 percent of all facilities, shall be accessible and conform to the following standards :

- 1. SHOWER AREAS. Showers in all occupancies shall be finished as specified in Section 115B.3.1, Item 6 to a height of not less than 70 inches (1778mm) above the drain inlet. Materials other than structural elements used in such walls shall be a type which is not adversely affected by moisture.
- 2. DOORS AND PANELS. Doors and panel of shower and bathtub enclosures shall be substantially constructed from approved, shatter-resistant materials. Hinged shower doors shall open outward.
- 3. GLAZING FOR SHOWER AND BATHTUB ENCLOSURES. 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 minimum thickness of not less than 1/8 inch (3.2mm) when fully tempered, or 1/4 inch (6.4mm) when laminated, and shall pass the test requirements of Section 2406.
- 4. PLASTICS. Plastics used in doors and panels of showers and bathtub enclosures shall be a shatter-resistant type.

**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 measured from the floor to a height of 27" (686mm) above the floor, within the sanitary facility room, of sufficient size to inscribe a circle with a diameter not less than 60 inches (1524mm) in size. 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 inches (305mm).
- 2. CLEAR FLOOR SPACE AT FIXTURES. Doors shall not swing into the clear floor space required for any fixture.
- 3. ACCESSIBLE WATER CLOSET. Provide a minimum of one accessible water closet in compliance with Section 115B4.1.
- 4. ACCESSIBLE WATER CLOSET COMPARTMENT. Accessible water closet compartments shall comply with the following :
  - 4.1. The compartment shall be a minimum or 60 inches (1524mm) wide.
  - 4.2. If the compartment has a side-opening door, a minimum 60 inch wide (1524mm) and 60-inches-deep (1524mm) clear floor space shall be provided in front of the water closet.
  - 4.3. If the compartment has an end-opening door (facing the water closet), a minimum 60-inches-wide (1524mm) and 48-inches-deep (1219mm) clear floor space shall be provided 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 minimum site width of 4 inches (102mm).
  - 4.4. 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 inches (813mm) when located at the end and 34 inches (864mm) when located at the side of the door positioned at an angle of 90 degrees from its closed position.
  - 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 (1118mm) shall be provided to water closet compartments designed for use by persons with disabilities. Maneuvering space of the compartment door shall comply with Sections 113B2.4.2 and 113B2.4.3, except that the space immediately in front of a water compartment shall not be less than 48 inches (1219mm) as measured at right angles to the compartment door in its closed position.

5. LARGE TOILET ROOMS. Where six or more compartments are provided within a multiple-accommodation toilet room, at least one compartment shall comply with items 3 and 4 above, and at least one additional ambulatory accessible compartment shall be 36 inches (914mm) wide with an outward swinging self-closing door and parallel grab bars complying with Section 115B.4.1, Item 3.

6. INTERIOR SURFACES. In other than dwelling units, toilet room floors shall have a smooth, hard nonabrasive surface such as Portland cement, concrete, ceramic tile or other approved material which extends upward onto the walls at least 5 inches (127mm). Walls within water closet compartments and walls within 24 inches (610 mm) of the front and sides of urinals shall be similarly finished to a height of 48 inches (1219 mm) and, except for structural elements, the materials used in such walls shall be a type which is not adversely affected by moisture.

**1115B.3.2 SINGLE-ACCOMMODATION TOILET FACILITIES.**  
Single-accommodation toilet facilities shall have the following :

- 1. WHEELCHAIR CLEARANCE. There shall be sufficient space in the toilet room for a wheelchair measuring 30 inches (762mm) wide by 48" inches (1219mm) long to enter the room and permit the door to close. There shall be in the room a clear floor space of at least 60 inches (1524mm) in diameter, or of a T-shaped space complying with Figure 11B-12 (a) and (b). No door shall encroach into this space for more than 12 inches (305mm). See Figure 11B-1A.
- 2. CLEAR FLOOR SPACE AT FIXTURES. Doors shall not swing into the clear floor space required for any fixture.
- 3. ACCESSIBLE WATER CLOSET. Provide one accessible water closet in compliance with Section 115B4.1.
- 4. ACCESSIBLE ROUTE. All doors, fixtures and controls shall be on an accessible route. The minimum clear width of an accessible route shall be 36 inches (914mm) except at doors (see Section 113B.2). 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-9E. See also Figure 11B-1A.
- 5. INTERIOR SURFACES. In other than dwelling units, toilet room floors shall have a smooth, hard nonabrasive surface such as Portland cement, concrete, ceramic tile or other approved material which extends upward onto the walls at least 5 inches (127mm). Walls within water closet compartments and walls within 24 inches (610 mm) of the front and sides of urinals shall be similarly finished to a height of 48 inches (1219 mm) and, except for structural elements, the materials used in such walls shall be a type which is not adversely affected by moisture.
- 6. ACCESSIBLE LAVATORY. Provide one accessible lavatory in compliance with Section 115B.4.3.
- 7. PRIVACY LATCH. The entrance door shall contain a privacy latch which complies with Section 117B.6, Controls and Operating Mechanisms.

**1115B.4 ACCESSIBLE FIXTURES**

- 1115B.4.1 ACCESSIBLE WATER CLOSETS. Water closets required to be accessible shall comply with this subsection:
  - 1. The centerline of the water closet fixture shall be 18 inches (457mm) from the side wall or partition. On the other side of the water closet, provide a minimum of 28 inches (711mm) wide clear floor space if the water closet is adjacent to a fixture or a minimum of 32 inches (813mm) wide clear floor space if the water closet is adjacent to a wall or partition. This clear floor space shall extend from the rear wall to the front of the water closet.
  - 2. A minimum 60 inches (1524mm) wide and 48 inches (1219mm) deep clear floor space shall be provided in front of the water closet.
  - 3. Grab bars for water closets not located with a compartment shall comply with Section 115B.7 and shall be provided on the side wall closest to the water closet and on the rear wall. Grab bars for water closets located within an accessible compartment shall comply with Section 115B.7 and shall be provided on the side wall closets located within ambulatory accessible compartments shall comply with Section 115B.7 and shall be provided on both sides of the compartment.
  - 3.1. SIDE WALLS. The side grab bar shall be 42 inches (1067mm) long minimum, located 12 inches (305mm) maximum from the rear wall and extend 54 inches (1372mm) minimum from the rear wall with the front end positioned 24 inches (610mm) minimum in front of the water closet. The side grab bar shall be securely attached and centered 33 inches (838mm) above and parallel to the floor.
  - 3.2. REAR WALL. The rear grab bar shall be 36 inches (914mm) long minimum and extend from the centerline of the water closet 12 inches (305mm) minimum on one side and 24 inches (610mm) minimum on the other side. The rear grab bar shall be securely attached and centered 33 inches (838mm) above and parallel to the floor, except that where a toilet-type toilet is used which obstructs placement of the grab bar, the grab bar may be as high as 36 inches (914mm) and the space between the grab bar and the top of the tank shall be 1 1/2 inches (38mm) minimum.
  - 4. The height of accessible water closets shall be a minimum of 17 inches (432mm) and a maximum of 19 inches (483mm) measured to the top of a maximum 2-inch (51mm) high toilet seat.  
Exception: A 3-inch (76mm) high seat shall be permitted only in alterations where the existing fixture is less than 15 inches (381mm) high.
  - 5. Controls shall be operable with one hand and shall not require tight grasping, pinching or twisting. Controls for the flush valves shall be mounted on the wide side of toilet areas, no more than 44 inches (1118mm) above the floor (838mm). The force required to activate controls shall not be greater than 5 pounds-force.
  - 6. See Section 113A4.7 for additional requirements for water closets in publicly funded housing and all non-residential occupancies.
  - 7. Automatic sprayer to lifted position seats are not allowed.

1115B.4.2 ACCESSIBLE URINALS. Urinals required to be accessible shall comply with this subsection. Exception: A 3-inch (76mm) high seat shall be permitted only in alterations where the existing fixture is less than 15 inches (381mm) high.

- 1115B.4.3 ACCESSIBLE LAVATORIES. Lavatories required to be accessible shall comply with this subsection. The requirements of this subsection shall apply to lavatory fixtures, vanities and built-in lavatories.
  - 1. Faucet controls and operating mechanisms shall be operable with one hand in accordance with this chapter 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. Lever-operated, push-type and electronically controlled mechanisms (preferable) are examples of acceptable designs. Self-closing valves are allowed if the faucet remains open for at least 10 seconds.
  - 2. Lavatories, when located adjacent to a side wall or partition shall be a minimum of 18 inches (457mm) to the centerline of the fixture. All lavatories that are designated to be accessible shall be a minimum 17 inches (432mm) in horizontal depth and mounted with the rim or counter edge no higher than 34 inches (864mm) 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 inches (737mm) reducing to 27 inches (686mm) at a point located 8 inches (203mm) back from the front edge. In addition, a minimum 9-inch-high (230mm) toe clearance must be provided extending back toward the wall to a distance no more than 6 inches (150mm) from the back wall. The toe clearance space must be free of equipment or obstructions.
  - 3. A clear floor space 30 inches (762mm) by 48 inches (1219mm) complying with Section 118B.4 shall be provided in front of a lavatory to allow forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend a maximum of 19 inches (483mm) into knee and toe space underneath the lavatory. See Figure 11B-1D, Knee Clearance.
  - 4. Hot water and drainpipes accessible under lavatories shall be insulated or otherwise covered. There shall be no sharp or abrasive surfaces under lavatories.
- 1115B.4.4 ACCESSIBLE SHOWERS. Showers required to be accessible shall comply with the following :
  - 1115B.4.4.1 SIZE AND CLEARANCES. Accessible showers shall comply with one of the following :
    - 1. Roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 30 inches (762mm) minimum in depth with a full opening width on the long side. Shower compartment size and clear floor space shall comply with Figure 11B-2A.
    - 2. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) in depth with an entrance opening with 36 inches (914mm) minimum in width and 18 inches (457mm) in depth. Shower compartment size and clear floor space shall comply with Figure 11B-2B.
    - 3. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) minimum in depth as long as the entrance opening width is a minimum 36 inches (914mm). Shower compartment size and clear floor space shall comply with Figure 11B-2C.
  - 1115B.4.4.2 THRESHOLDS. Thresholds in roll-in type showers shall be 1/2 inch (12.7mm) high maximum and shall comply with Section 114B.2.
  - 1115B.4.4.3 ORIENTATION. 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 (that is, one left-handed controls versus right-handed controls).
  - 1115B.4.4.4 WATER CONTROLS. Water controls for each of a single-level shower, operable with one hand, shall not require tight grasping, pinching or twisting of the wrist. The force required to activate controls shall be no greater than 5 pounds. The centerline of the controls shall be located at 40 inches (1016mm) above the shower floor.
  - 1. Controls in a 60-inch (1524mm) minimum by 30 inch (762mm) minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
  - 2. Controls in a 60-inch (1524mm) minimum by 36 inch (914mm) minimum alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat and the centerline of the controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
  - 3. Controls in a 60-inch (1524mm) minimum by 36 inch (914mm) 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 controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2C.
- 1115B.4.4.5 HAND-HELD SPRAYER UNIT. A flexible hand-held sprayer unit with a hose at least 60 inches (1524mm) long that can be used both as a fixed shower head and as a hand-held shower shall be provided. This unit shall be mounted such that the top of the mounting bracket is a maximum height of 48 inches (1219mm) above the shower floor.
  - 1. Handheld sprayer unit in a 60 inch (1524mm) minimum by 30 inch (762mm) minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the unit shall be no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
  - 2. Handheld sprayer unit in a 60 inch (1524mm) minimum by 36 inch (914mm) alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat and the centerline of the unit shall be no more than 18 inches (457mm) from the seat wall as shown in Figure 11B-2B.
  - 3. Handheld sprayer unit in a 60 inch (1524mm) minimum by 36 inch (914mm) 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 shall be no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2C.
- 1115B.4.4.7 FLOOR SLOPE. The maximum slope of the floor shall be 2 percent in any direction. When drains are provided, grate openings shall be maximum of 1/4 inch (6.4mm) and located flush with the floor surface.
- 1115B.4.4.8 SHOWER ACCESSORIES. Shower accessories shall include :
  - 1. A folding seat mounted 18 inches (457mm) above the floor, and with a minimum space of 1 inch (25mm) and maximum space of 1 1/2 inches (38mm) allowed between the edge of the seat and any wall. When folded, the seat shall not extend more than 6 inches (152mm) from the mounting wall. The seat dimensions and mounting position shall comply with Figures 11B-2A, 11B-2B, 11B-2C, and 11B-2D. The structural strength of seats and their attachments shall comply with Section 115B.7.2.
  - 2. 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 115B.7. Grab bars shall be mounted between a minimum of 33 inches (838mm) and a maximum of 36 inches (914mm) above the shower floor with 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. See Figure 11B-2A or 11B-2B.

1115B.4.4.9 SOAP DISH. When a soap dish is provided, it shall be located on the control wall at a maximum height of 40 inches (1016mm) above the shower floor, and within reach limits from the seat. See Figure 11B-1C.

1115B.4.6 ACCESSIBLE DRINKING FOUNTAINS. Where drinking fountains are provided, they shall comply with this section :

- 1. GENERAL. 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 in accordance with this section 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. Where more than one drinking fountain is provided on a floor, 50 percent of those provided shall comply with Items 1, 2, 4 and 5 of this section and the remainder shall be on an accessible route complying with Section 114B.1.2. All drinking fountains shall comply with Item 3 of this section.
- 2. CLEARANCES. Wall and post-mounted cantilevered drinking fountains shall be a minimum of 18 inches (457mm) and a maximum of 19 inches (483mm) in depth and shall have a clear knee space between the bottom of the apron and the floor or ground not less than 27 inches (686mm) in height, 30 inches (762mm) in width, and 8 inches (203mm) in depth, the depth measurements being taken from the front edge of the fountain back toward the wall or mounting post. The knee clearance space must be free of equipment or obstructions. Additionally, there shall be toe clearance of 9 inches (229mm) in height above the floor and 17 inches (432mm) in depth from the front edge of the fountain. The toe clearance space must be free of equipment or obstructions. A clear floor space of at least 30 inches (762mm) by 48 inches (1219mm) complying with Section 118B.4 shall be provided in front of the drinking fountain to allow forward approach. A side approach drinking fountain is not acceptable.
- 3. ALCOVES. 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 inches (813mm) in width and 18 inches (457mm) in depth. See Figure 11B-3 of this code. Additionally, doors shall comply with Section 111B.4, Item 2. Protruding objects located in alcoves or otherwise positioned so as to limit encroachment into pedestrian ways are permitted to project 4 inches (102mm) into walks, halls, corridors, passageways or aisles.

1115B.4.4.10 ACCESSIBLE SHOWERS. Showers required to be accessible shall comply with this subsection :

- 1115B.4.4.1.1 SIZE AND CLEARANCES. Accessible showers shall comply with one of the following :
  - 1. Roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 30 inches (762mm) minimum in depth with a full opening width on the long side. Shower compartment size and clear floor space shall comply with Figure 11B-2A.
  - 2. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) in depth with an entrance opening with 36 inches (914mm) minimum in width and 18 inches (457mm) in depth. Shower compartment size and clear floor space shall comply with Figure 11B-2B.
  - 3. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) minimum in depth as long as the entrance opening width is a minimum 36 inches (914mm). Shower compartment size and clear floor space shall comply with Figure 11B-2C.
- 1115B.4.4.2 THRESHOLDS. Thresholds in roll-in type showers shall be 1/2 inch (12.7mm) high maximum and shall comply with Section 114B.2.
- 1115B.4.4.3 ORIENTATION. 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 (that is, one left-handed controls versus right-handed controls).
- 1115B.4.4.4 WATER CONTROLS. Water controls for each of a single-level shower, operable with one hand, shall not require tight grasping, pinching or twisting of the wrist. The force required to activate controls shall be no greater than 5 pounds. The centerline of the controls shall be located at 40 inches (1016mm) above the shower floor.
- 1. Controls in a 60-inch (1524mm) minimum by 30 inch (762mm) minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
- 2. Controls in a 60-inch (1524mm) minimum by 36 inch (914mm) minimum alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat and the centerline of the controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
- 3. Controls in a 60-inch (1524mm) minimum by 36 inch (914mm) 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 controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2C.

- 1115B.4.4.5 HAND-HELD SPRAYER UNIT. A flexible hand-held sprayer unit with a hose at least 60 inches (1524mm) long that can be used both as a fixed shower head and as a hand-held shower shall be provided. This unit shall be mounted such that the top of the mounting bracket is a maximum height of 48 inches (1219mm) above the shower floor.
  - 1. Handheld sprayer unit in a 60 inch (1524mm) minimum by 30 inch (762mm) minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the unit shall be no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
  - 2. Handheld sprayer unit in a 60 inch (1524mm) minimum by 36 inch (914mm) alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat and the centerline of the unit shall be no more than 18 inches (457mm) from the seat wall as shown in Figure 11B-2B.
  - 3. Handheld sprayer unit in a 60 inch (1524mm) minimum by 36 inch (914mm) 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 shall be no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2C.
- 1115B.4.4.7 FLOOR SLOPE. The maximum slope of the floor shall be 2 percent in any direction. When drains are provided, grate openings shall be maximum of 1/4 inch (6.4mm) and located flush with the floor surface.
- 1115B.4.4.8 SHOWER ACCESSORIES. Shower accessories shall include :
  - 1. A folding seat mounted 18 inches (457mm) above the floor, and with a minimum space of 1 inch (25mm) and maximum space of 1 1/2 inches (38mm) allowed between the edge of the seat and any wall. When folded, the seat shall not extend more than 6 inches (152mm) from the mounting wall. The seat dimensions and mounting position shall comply with Figures 11B-2A, 11B-2B, 11B-2C, and 11B-2D. The structural strength of seats and their attachments shall comply with Section 115B.7.2.
  - 2. 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 115B.7. Grab bars shall be mounted between a minimum of 33 inches (838mm) and a maximum of 36 inches (914mm) above the shower floor with 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. See Figure 11B-2A or 11B-2B.

1115B.4.4.9 SOAP DISH. When a soap dish is provided, it shall be located on the control wall at a maximum height of 40 inches (1016mm) above the shower floor, and within reach limits from the seat. See Figure 11B-1C.

1115B.4.6 ACCESSIBLE DRINKING FOUNTAINS. Where drinking fountains are provided, they shall comply with this section :

- 1. GENERAL. 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 in accordance with this section 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. Where more than one drinking fountain is provided on a floor, 50 percent of those provided shall comply with Items 1, 2, 4 and 5 of this section and the remainder shall be on an accessible route complying with Section 114B.1.2. All drinking fountains shall comply with Item 3 of this section.
- 2. CLEARANCES. Wall and post-mounted cantilevered drinking fountains shall be a minimum of 18 inches (457mm) and a maximum of 19 inches (483mm) in depth and shall have a clear knee space between the bottom of the apron and the floor or ground not less than 27 inches (686mm) in height, 30 inches (762mm) in width, and 8 inches (203mm) in depth, the depth measurements being taken from the front edge of the fountain back toward the wall or mounting post. The knee clearance space must be free of equipment or obstructions. Additionally, there shall be toe clearance of 9 inches (229mm) in height above the floor and 17 inches (432mm) in depth from the front edge of the fountain. The toe clearance space must be free of equipment or obstructions. A clear floor space of at least 30 inches (762mm) by 48 inches (1219mm) complying with Section 118B.4 shall be provided in front of the drinking fountain to allow forward approach. A side approach drinking fountain is not acceptable.
- 3. ALCOVES. 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 inches (813mm) in width and 18 inches (457mm) in depth. See Figure 11B-3 of this code. Additionally, doors shall comply with Section 111B.4, Item 2. Protruding objects located in alcoves or otherwise positioned so as to limit encroachment into pedestrian ways are permitted to project 4 inches (102mm) into walks, halls, corridors, passageways or aisles.

1115B.4.4.10 ACCESSIBLE SHOWERS. Showers required to be accessible shall comply with this subsection :

- 1115B.4.4.1.1 SIZE AND CLEARANCES. Accessible showers shall comply with one of the following :
  - 1. Roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 30 inches (762mm) minimum in depth with a full opening width on the long side. Shower compartment size and clear floor space shall comply with Figure 11B-2A.
  - 2. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) in depth with an entrance opening with 36 inches (914mm) minimum in width and 18 inches (457mm) in depth. Shower compartment size and clear floor space shall comply with Figure 11B-2B.
  - 3. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) minimum in depth as long as the entrance opening width is a minimum 36 inches (914mm). Shower compartment size and clear floor space shall comply with Figure 11B-2C.
- 1115B.4.4.2 THRESHOLDS. Thresholds in roll-in type showers shall be 1/2 inch (12.7mm) high maximum and shall comply with Section 114B.2.
- 1115B.4.4.3 ORIENTATION. 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 (that is, one left-handed controls versus right-handed controls).
- 1115B.4.4.4 WATER CONTROLS. Water controls for each of a single-level shower, operable with one hand, shall not require tight grasping, pinching or twisting of the wrist. The force required to activate controls shall be no greater than 5 pounds. The centerline of the controls shall be located at 40 inches (1016mm) above the shower floor.
- 1. Controls in a 60-inch (1524mm) minimum by 30 inch (762mm) minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
- 2. Controls in a 60-inch (1524mm) minimum by 36 inch (914mm) minimum alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat and the centerline of the controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
- 3. Controls in a 60-inch (1524mm) minimum by 36 inch (914mm) 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 controls shall be within a range of no less than 19 inches (457mm) and no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2C.

- 1115B.4.4.5 HAND-HELD SPRAYER UNIT. A flexible hand-held sprayer unit with a hose at least 60 inches (1524mm) long that can be used both as a fixed shower head and as a hand-held shower shall be provided. This unit shall be mounted such that the top of the mounting bracket is a maximum height of 48 inches (1219mm) above the shower floor.
  - 1. Handheld sprayer unit in a 60 inch (1524mm) minimum by 30 inch (762mm) minimum roll-in shower shall be located on the back wall of the compartment adjacent to the seat and the centerline of the unit shall be no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2A.
  - 2. Handheld sprayer unit in a 60 inch (1524mm) minimum by 36 inch (914mm) alternate roll-in shower shall be located on the side wall of the compartment adjacent to the seat and the centerline of the unit shall be no more than 18 inches (457mm) from the seat wall as shown in Figure 11B-2B.
  - 3. Handheld sprayer unit in a 60 inch (1524mm) minimum by 36 inch (914mm) 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 shall be no more than 27 inches (610mm) from the seat wall as shown in Figure 11B-2C.
- 1115B.4.4.7 FLOOR SLOPE. The maximum slope of the floor shall be 2 percent in any direction. When drains are provided, grate openings shall be maximum of 1/4 inch (6.4mm) and located flush with the floor surface.
- 1115B.4.4.8 SHOWER ACCESSORIES. Shower accessories shall include :
  - 1. A folding seat mounted 18 inches (457mm) above the floor, and with a minimum space of 1 inch (25mm) and maximum space of 1 1/2 inches (38mm) allowed between the edge of the seat and any wall. When folded, the seat shall not extend more than 6 inches (152mm) from the mounting wall. The seat dimensions and mounting position shall comply with Figures 11B-2A, 11B-2B, 11B-2C, and 11B-2D. The structural strength of seats and their attachments shall comply with Section 115B.7.2.
  - 2. 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 115B.7. Grab bars shall be mounted between a minimum of 33 inches (838mm) and a maximum of 36 inches (914mm) above the shower floor with 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. See Figure 11B-2A or 11B-2B.

1115B.4.4.9 SOAP DISH. When a soap dish is provided, it shall be located on the control wall at a maximum height of 40 inches (1016mm) above the shower floor, and within reach limits from the seat. See Figure 11B-1C.

1115B.4.6 ACCESSIBLE DRINKING FOUNTAINS. Where drinking fountains are provided, they shall comply with this section :

- 1. GENERAL. 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 in accordance with this section 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. Where more than one drinking fountain is provided on a floor, 50 percent of those provided shall comply with Items 1, 2, 4 and 5 of this section and the remainder shall be on an accessible route complying with Section 114B.1.2. All drinking fountains shall comply with Item 3 of this section.
- 2. CLEARANCES. Wall and post-mounted cantilevered drinking fountains shall be a minimum of 18 inches (457mm) and a maximum of 19 inches (483mm) in depth and shall have a clear knee space between the bottom of the apron and the floor or ground not less than 27 inches (686mm) in height, 30 inches (762mm) in width, and 8 inches (203mm) in depth, the depth measurements being taken from the front edge of the fountain back toward the wall or mounting post. The knee clearance space must be free of equipment or obstructions. Additionally, there shall be toe clearance of 9 inches (229mm) in height above the floor and 17 inches (432mm) in depth from the front edge of the fountain. The toe clearance space must be free of equipment or obstructions. A clear floor space of at least 30 inches (762mm) by 48 inches (1219mm) complying with Section 118B.4 shall be provided in front of the drinking fountain to allow forward approach. A side approach drinking fountain is not acceptable.
- 3. ALCOVES. 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 inches (813mm) in width and 18 inches (457mm) in depth. See Figure 11B-3 of this code. Additionally, doors shall comply with Section 111B.4, Item 2. Protruding objects located in alcoves or otherwise positioned so as to limit encroachment into pedestrian ways are permitted to project 4 inches (102mm) into walks, halls, corridors, passageways or aisles.

1115B.4.4.10 ACCESSIBLE SHOWERS. Showers required to be accessible shall comply with this subsection :

- 1115B.4.4.1.1 SIZE AND CLEARANCES. Accessible showers shall comply with one of the following :
  - 1. Roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 30 inches (762mm) minimum in depth with a full opening width on the long side. Shower compartment size and clear floor space shall comply with Figure 11B-2A.
  - 2. Alternate roll-in shower 60 inches (1524mm) minimum in width between wall surfaces and 36 inches (914mm) in depth with an entrance opening with 36 inches (914mm) minimum in width and 18 inches (457mm) in depth. Shower compartment size and clear floor space shall comply with Figure 11B-2B.
  - 3. Alternate roll-in shower 60 inches (1524mm)