** 2013 CBC**

**CHAPTER 11B CORRECTION SHEET**

**The State of California delegates to the local jurisdiction the authority to ensure compliance with Title 24, Part 2 of the California Code of Regulations. This correction list indicates specific areas of Title 24, Part 2 which are applicable to your project. Please be aware that the owner(s) of this building and his/her consultants are responsible for compliance with the most current Federal Regulations contained in the Americans with Disabilities Act (ADA) and Fair Housing Act (FHA). Where the ADA &FHA requirements exceed those contained in Title 24, Part 2, it is the owners responsibility and consultants to ensure compliance with the most current ADA &FHA regulations, as the County/City is not delegated the authority to plan review or inspect projects for ADA &FHA compliance.**

1. **APPLICATION AND ADMINISTRATION**
2. All areas of newly designed and newly constructed buildings and facilities and altered portions of existing buildings and facilities shall comply with these requirements.These requirements apply to temporary and permanent buildings and facilities.**§11B-201**
3. Where a site, building, facility, room, or space contains more than one use, each portion shall comply with the applicable requirements for that use.**§11B-201.2**
4. Each addition to an existing building or facility shall comply with the requirements for new construction and shall comply with 11B-202.4 Path of Travel Requirements. **§11B-202.2**
5. Each existing element or space that is altered shall comply with the applicable requirements of Division 2, including 11B-202.4Path of Travel Requirements unless the building official determines compliance with applicable requirements is technically infeasible and the alteration complies with the requirements to the maximum extent feasible or provides equivalent facilitation.**§11B-202.3**
6. Alterations are technically infeasible when they have little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility. **§11B-202**
7. Equivalent facilitation exists when designs, products, or technologies, as alternatives to those prescribed, result in substantially equivalent or greater accessibility and usability. **§11B-202**
8. Alterations shall not decrease or have the effect of decreasing the accessibility of a building or facility below the requirements for new construction at the time of the alteration.**§11B-202.3.1**
9. If alterations of single elements, when considered together, amount to an alteration of a room or space in a building or facility, the entire room or space shall be made accessible. **§11B-202.3.3**
10. When alterations or additions are made to existing buildings or facilities, an accessible path of travel to the specific area of alteration or addition shall be provided unless otherwise exempt.**§11B-202.4**
11. Primary accessible path of travel shall include a primary entrance to the building or facility; toilet and bathing facilities serving the area; drinking fountains serving the area; public telephones serving the area, and signs.**§11B-202.4**
12. When the adjusted construction cost is less than or equal to the current valuation threshold ($\_\_\_\_\_\_\_\_), the cost of compliance with the primary accessible path of travel requirements is limited to 20 percent of the adjusted construction cost of alterations, structural repairs or additions presently planned and those during the preceding three-year period. **§11B-202.4**
13. Adjusted construction cost of alterations, structural repairs or additions does not include the cost of alterations to path of travel elements. **§11B-202.4**
14. In choosing which accessible elements to provide, priority should be given to those elements that will provide the greatest access in the following order: (1) an accessible entrance; (2) an accessible route to the altered area; (3) at least one accessible restroom for each sex;(4) accessible telephones; (5) accessible drinking fountains; and (6) when possible, additional accessible elements such as parking, storage and alarms.**§11B-202.4**
15. When the adjusted construction cost exceeds the current valuation threshold ($\_\_\_\_\_\_\_\_) and the building official determines the cost of compliance with the primary accessible path of travel requirements is an unreasonable hardship, compliance shall be provided either by equivalent facilitation or to the greatest extent possible without creating an unreasonable hardship. **§11B-202.4**
16. When the adjusted construction cost exceeds the current valuation threshold ($\_\_\_\_\_\_\_\_) and the building official determines the cost of full compliance with the primary accessible path of travel requirements is an unreasonable hardship, the cost of partial compliance must equal or exceed 20 percent of the adjusted construction cost of alterations, structural repairs or additions presently planned and those during the preceding three year period.**§11B-202.4**
17. When the adjusted construction cost exceeds the current valuation threshold ($\_\_\_\_\_\_\_\_) and the building official determines the cost of full compliance with the primary accessible path of travel requirements is an unreasonable hardship, the building official’s findings and determination of unreasonable hardship must be ratified by an appeals process. **§11B-202.4**
18. Unreasonable hardship exists when the specific work of the project affected by the building standard is infeasible based on the cost of providing access, cost of construction contemplated, impact of proposed improvements on financial feasibility of the project, nature of the accessibility which would be gained or lost, nature of the use of the facility under construction and its availability to persons with disabilities. **§11B-202**
19. Alterations to a qualified historic building or facility shall comply with Chapter 11B unless it will threaten or destroy the historical significance or character-defining features of the building or property. In those cases, alternative provisions shall be applied on an item-by-item or case-by-case basis with sufficient written documentation. **§11B-202.5, SHBC 8-602**
20. Public accommodations shall maintain in operable working condition those features of facilities and equipment that are required to be accessible to and useable by persons with disabilities. Isolated or temporary interruptions in service or accessibility due to maintenance or repairs shall be permitted. **§11B-108**
21. Where the required number of elements or facilities to be provided is determined by calculations of ratios or percentages and remainders or fractions result, the next greater whole number of such elements or facilities shall be provided. **§11B-104.2**
22. Where the determination of the required size or dimension of an element or facility involves ratios or percentages, rounding down for values less than one half shall be permitted.**§11B-104.2**
23. **BUILDING BLOCKS**

**FLOOR OR GROUND SURFACES**

1. Floor and ground surfaces shall be stable, firm, and slip resistant. **§11B-302.1**
2. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be ½ inch maximum. **§11B-302.2, Figure 11B-302.2**
3. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge. Carpet edge trim shall comply with 11B-303 Changes in Level.**§11B-302.2**
4. Openings in floor or ground surfaces shall not allow passage of a sphere more than ½ inch in diameter. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.**§11B-302.3, Figure 11B-302.3**

**CHANGES IN LEVEL**

1. Vertical changes in level for floor or ground surfaces may be ¼ inch high maximum and without edge treatment.Changes in level greater than ¼ inch and not exceeding ½ inch in height shall be beveled with a slope not steeper than 1:2. **§11B-303,** Figures 11B-303.2 & 11B-303.3
2. Changes in level greater than ½ inch in height shall be ramped and shall comply with the requirements of 11B-405 Ramps or 11B-406 Curb Ramps as applicable.**§11B-303**
3. Abrupt changes in level exceeding 4 inches in a vertical dimension between walks, sidewalks or other pedestrian ways and adjacent surfaces or features shall be identified by warning curbs at least 6 inches in height above the walk or sidewalk surface or by guards or handrails with a guide rail centered 2 inches minimum and 4 inches maximum above the surface of the walk or sidewalk. These requirements do not apply between a walk or sidewalk and an adjacent street or driveway. **§11B-303.5**

**TURNING SPACE**

1. Turning spaces shall meet the requirements of 11B-302 Floor or Ground Surfaces except that changes in level are not permitted. Turning spaces shall be either circular or T-shaped. Doors may swing into turning spaces.**§11B-304**
2. Circular turning spaces shall be a space of 60 inches diameter minimum and may include knee and toe clearance complying with 11B-306 Knee and Toe Clearance.**§11B-304.3.1**
3. T-Shaped turning spaces shall be a T-shaped space within a 60 inch square minimum with arms and base 36 inches wide minimum. Each arm of the T shall be clear of obstructions 12 inches minimum in each direction and the base shall be clear of obstructions 24 inches minimum. **§11B-304.3.2, Figure 11B-304.3.2**
4. T-shaped turning spaces may include knee and toe clearance complying with 11B-306 Knee and Toe Clearance only at the end of either the base or one arm.**§11B-304.3.2**

**CLEAR FLOOR OR GROUND SPACE**

1. Clear floor or ground spaces shall meet the requirements of 11B-302 Floor or Ground Surfaces and shall not have changes in level except for slopes not steeper than 1:48 (2.083%).**§11B-305**
2. Clear floor or ground space shall be 30 inches minimum by 48 inches minimum. **§11B-305.3, Figure 11B-305.3**
3. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space. **§11B-305.6**
4. Clear floor or ground space shall be positioned for either forward or parallel approach to an element unless otherwise specified. **§11B-305.5, Figure 11B-305.5**
5. Clear floor or ground space may include knee and toe clearance complying with 11B-306Knee and Toe Clearance unless otherwise specified. **§11B-305.4**
6. Alcoves shall be 36 inches wide minimum if their depth exceeds 24 inches and they provide clear floor or ground space for a forward approach.**§11B-305.7, Figure 11B-305.7.1**
7. Alcoves shall be 60 inches wide minimum if their depth exceeds 15 inches and they provide clear floor or ground space for a parallel approach. **§11B-305.7, Figure 11B-305.7.2**

**KNEE AND TOE CLEARANCE**

1. For lavatories and built-in dining and work surfacesrequired to be accessible, toe clearance shall be provided that is 30 inches in width and 9 inches in height above the finish floor or ground for a depth of 19 inches minimum. **§11B-306.2.1**
2. For elements required to provide toe clearance other thanlavatories and built-in dining and work surfaces, toe clearance shall be provided that is 30 inches in width and 9 inches in height above the finish floor or ground for a depth of 17 inches minimum under elements required to be accessible. **§11B-306.2.3**
3. Space extending greater than 6 inches beyond the available knee clearance at 9 inches above the finish floor or ground shall not be considered toe clearance. **§11B-306.2.4**
4. Toe clearance shall extend 19 inches maximum under lavatories for toilet and bathing facilities and 25 inches maximum under other elements.**§11B-306.2.2**
5. At lavatories in toilet and bathing facilities, knee clearance shall be provided that is 30 inches in width for a depth of 11 inches at 9 inches above the finish floor or ground and for a depth of 8 inches at 27 inches above the finish floor or groundincreasing to 29 inches high minimum above the finish floor or ground at the front edge of a counter with a built-in lavatory or at the front edge of a wall-mounted lavatory fixture. **§11B-306.3.3,Figure 11B-306.3(c)**
6. At dining and work surfaces required to be accessible, knee clearance shall be provided that is 30 inches in width at 27 inches above the finish floor or ground for a depth of at least 19 inches. **§11B-306.3**
7. For elements required to provide knee clearance except lavatories in toilet and bathing facilities and dining and work surfaces, knee clearance shall be provided that is 30 inches in width for a depth of 11 inches at 9 inches above the finish floor or ground and for a depth of 8 inches at 27 inches above the finish floor or ground. **§11B-306.3,Figure 11B-306.3(a)**
8. Except for dining and work surfaces, knee clearance may reduce at a rate of 1 inch in depth for each 6 inches between 9 inches and 27 inches above the finish floor or ground. **§11B-306.3.4, Figure 11B-306.3**
9. Knee clearance shall extend 25 inches maximum under an element at 9 inches above the finish floor or ground.**§11B-306.3.2**

**PROTRUDING OBJECTS**

1. Except for handrails, objects with leading edges more than 27 inches and less than 80 inches above the finish floor or ground shall protrude no more than 4 inches horizontally into the circulation path. Handrails may protrude 4½ inches maximum. **§11B-307.2, Figure 11B-307.2**
2. Free-standing objects mounted on posts or pylons shall overhang circulation paths no more than12 inches when located from 27 to 80 inches above the finish floor or ground. **§11B-307.3, Figure 11B-307.3(a)**
3. Protruding objects shall not reduce the clear width required for accessible routes.**§11B-307.5**
4. Lowest edge of a sign or other obstruction, when mounted between posts or pylons separated with a clear distance greater than 12 inches, shall be less than 27 inches or more than 80 inches above the finish floor or ground.**§11B-307.3, Figure 11B-307.3(b)**
5. Edge of signs or other objects, when mounted on posts or pylons with their bottom edges less than 80 inches above the floor or ground surface, shall be rounded or eased and the corners shall have a minimum radius of ⅛ inch.**§11B-307.3.1**
6. Vertical clearance shall be at least 80 inches high on circulation paths except at door closers and door stops, which may be 78 inches minimum above the finish floor or ground. **§11B-307.4**
7. Guardrails or other barriers with a leading edge located 27 inches maximum above the finish floor or ground shall be provided where the vertical clearance on circulation paths is less than 80 inches high. **§11B-307.4, Figure 11B-307.4**
8. Where a guy support is used parallel to a circulation path, including but not limited to sidewalks, a guy brace, sidewalk guy or similar device shall be used to prevent an overhanging obstruction.**§11B-307.4**

**REACH RANGES**

1. Electrical controls and switches intended to be used by the occupant of a room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment shall be located within allowable reach ranges. Low reach shall be measured to the bottom of the outlet box and high reach shall be measured to the top of the outlet box. **§11B-308.1.1**
2. Electrical receptacle outlets on branch circuits of 30 amperes or less and communication system receptacles shall be located within allowable reach ranges. Low reach shall be measured to the bottom of the outlet box and high reach shall be measured to the top of the outlet box. **§11B-308.1.2**
3. High forward reach that is unobstructed shall be 48 inches maximum and the low forward reach shall be 15 inches minimum above the finish floor or ground. **§11B-308.2.1, Figure 11B-308.2.1**
4. High forward reach shall be 48 inches maximum where the reach depth is 20 inches or less and 44 inches maximum where the reach depth exceeds 20 inches. High forward reach shall not exceed 25 inches in depth.**§11B-308.2.2, Figure 11B-308.2.2**
5. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. **§11B-308.2.2**
6. High side reach shall be 48 inches maximum and the low side reach shall be 15 inches minimum above the finish floor where the side reach is unobstructed or the depth of any obstruction does not exceed 10 inches.**§11B-308.3.1, Figure 11B-308.3.1**
7. High side reach shall be 46 inches maximum above the finish floor or ground where the high side reach is over an obstruction more than 10 inches but not more than 24 inches in depth. **§11B-308.3.2, Figure 11B-308.3.2**
8. Obstructions for high side reach shall not exceed 34 inches in height and 24 inches in depth. **§11B-308.3.2, Figure 11B-308.3.2**
9. Obstructed high side reach for the top of washing machines and clothes dryers shall be permitted to be 36 inches maximum above the finish floor.**§11B-308.3.2**
10. Obstructed high side reach for the operable parts of fuel dispensers shall be permitted to be 54 inches maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.**§11B-308.3.2**

**OPERABLE PARTS**

1. Operable parts on accessible elements, accessible routes, and in accessible rooms and spaces shall be provided a clear floor or ground space complying with 11B-305 Clear Floor or Ground Space and be placed within one or more of the reach ranges specified in 11B-308 Reach Ranges.**§11B-309.2**
2. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. Force required to activate operable parts shall be 5 pounds maximum. **§11B-309.4**
3. Operable parts of fuel dispensers shall be permitted to be 54 inches maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.**§11B-308.3.2**
4. Cleats and other boat securement devices shall not be required to comply with one or more of the reach ranges specified in Section 11B-308 Reach Ranges. **§11B-205.1**
5. Elements that are exempt from all requirements for operable parts requirements include electrical or communication receptacles serving a dedicated use; floor electrical receptacles; HVAC diffusers, exercise machines and exercise equipment and those operable parts intended for use only by service or maintenance personnel. **§11B-205.1**
6. Except for light switches, where redundant controls are provided for a single element, one control in each space shall not be required to comply with Section 11B-309 Operable Parts. **§11B-205.1**
7. **ACCESSIBLE ROUTES**

**WHERE REQUIRED**

1. At least one accessible route shall be provided within the site from accessible parking spaces and accessible passenger loading zones; public streets and sidewalks; and public transportation stops to the accessible building or facility entrance they serve. Where more than one route is provided, all routes must be accessible.**§11B-206.2.1 (See exceptions)**
2. At least one accessible route shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site. **§11B-206.2.2 (See exception)**
3. At least one accessible route shall connect each story and mezzanine in multi-story buildings and facilities.**§11B-206.2.3 (See exceptions)**
4. In alterations and additions, where an escalator or stair is provided where none existed previously and major structural modifications are necessary for the installation, an accessible route shall be provided between the levels served by the escalator or stair.**§11B-206.2.3.1(See exceptions)**
5. In new construction of buildings where elevators are required by 11B-206.2.3 Multi-Story Buildings and Facilities, and which exceed 10,000 square feet on any floor, an accessible means of vertical access via ramp, elevator or lift shall be provided within 200 feet of travel of each stair and each escalator. **§11B-206.2.3.2**
6. In existing buildings that exceed 10,000 square feet on any floor and in which elevators are required by 11B-206.2.3Multi-Story Buildings and Facilities, whenever a newly constructed means of vertical access is provided via stairs or an escalator, an accessible means of vertical access via ramp, elevator or lift shall be provided within 200 feet of travel of each new stair or escalator. **§11B-206.2.3.2**
7. At least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility, including mezzanines, which are otherwise connected by a circulation path.**§11B-206.2.4(See exceptions)**
8. Accessible routes shall coincide with or be located in the same area as general circulation paths. Where circulation paths are interior, required accessible routes shall also be interior;  
   An accessible route shall not pass through kitchens, storage rooms, restrooms, closets or other spaces used for similar purposes, except as permitted by Chapter 10.**§11B-206.3**
9. Security barriers, including but not limited to, security bollards and security check points, shall not obstruct a required accessible route or accessible means of egress.**§11B-206.8 (See exception)**

**@ Restaurants, Cafeterias, Banquet Facilities, Bars, Performance areas, Press boxes, Employee areas**

1. In restaurants, cafeterias, banquet facilities, bars, and similar facilities, an accessible route shall be provided to all functional areas, including raised or sunken areas, and outdoor areas.**§11B-206.2.5**
2. Where a circulation path directly connects a performance area to an assembly seating area, an accessible route shall directly connect the assembly seating area with the performance area. An accessible route shall be provided from performance areas to ancillary areas or facilities used by performers unless exempted by 11B-206.2.3Multi-Story Buildings and Facilities, (See exceptions 1 through 7).**§11B-206.2.6**
3. Press boxes in assembly areas shall be on an accessible route. **§11B-206.2.7(See exceptions)**
4. Common use circulation paths within employee work areas shall comply with 11B-402 Accessible Routes.**§11B-206.2.8(See exceptions)**

**@ AMUSEMENT RIDES, BOAT SLIPS, BOWLING LANES, COURT SPORTS, FISHING PIERS**

1. Amusement rides required to comply with 11B-234 Amusement Rides shall provide accessible routes in accordance with 11B-206.2.9 Amusement Rides. Accessible routes serving amusement rides shall comply with Division 4 except as modified by 11B-1002.2 Accessible Routes. **§11B-206.2.9**
2. Load and unload areas shall be on an accessible route. Where load and unload areas have more than one loading or unloading position, at least one loading and unloading position shall be on an accessible route.**§11B-206.2.9.1**
3. When amusement rides are in the load and unload position, wheelchair spaces complying with 11B-1002.4, amusement ride seats designed for transfer complying with 11B-1002.5, and transfer devices complying with 11B-1002.6 shall be on an accessible route.**§11B-206.2.9.2**
4. Boat slips required to comply with 11B-235.2 Boat Slips and boarding piers at boat launch ramps required to comply with 11B-235.3 Boarding Piers at Boat Launch Ramps shall be on an accessible route. Accessible routes serving recreational boating facilities shall comply with Chapter 4, except as modified by 11B-1003.2.**§11B-206.2.10**
5. Where bowling lanes are provided, at least 5 percent, but no fewer than one of each type of bowling lane, shall be on an accessible route**.§11B-206.2.11**
6. In court sports, at least one accessible route shall directly connect both sides of the court.**§11B-206.2.12**
7. At least one of each type of exercise machines and equipment shall be on an accessible route.**§11B-206.2**
8. Fishing piers and platforms shall be on an accessible route. Accessible routes serving fishing piers and platforms shall comply with Division 4 except as modified by 11B-1005.1.**§11B-206.2.14**

**@ GOLF COURSES, MINITUREGOLF, PLAY STRUCTURES, SPORT ACTIVITY AREAS**

1. At least one accessible route shall connect accessible elements and spaces within the boundary of the golf course. In addition, accessible routes serving golf car rental areas; bag drop areas; course weather shelters complying with 11B-238.2.3 Weather Shelters; course toilet rooms; and practice putting greens, practice teeing grounds, and teeing stations at driving ranges complying with 11B-238.3 Practice Putting Greens, Practice Teeing Grounds, and Teeing Stations at Driving Ranges shall comply with Division 4 except as modified by 11B-1006.2. **§11B-206.2.15 (See exception)**
2. For miniature golf facilities; holes required to comply with 11B-239.2 Minimum Number, including the start of play, shall be on an accessible route. Accessible routes serving miniature golf facilities shall comply with Division 4 except as modified by 11B-1007.2. **§11B-206.2.15**
3. Play areas shall provide accessible routes in accordance with 11B-206.2.17 Play Areas. Accessible routes serving play areas shall comply with Division 4 except as modified by 11B-1008.2. **§11B-206.2.17**
4. For ground level and elevated play components, at least one accessible route shall be provided within the play area. The accessible route shall connect ground level play components required to comply with 11B-240.2.1 Ground Level Play Components and elevated play components required to comply with 11B-240.2.2 Elevated Play Components, including entry and exit points of the play components.**§11B-206.2.17.1**
5. For soft-contained play structures. Where three or fewer entry points are provided for soft contained play structures, at least one entry point shall be on an accessible route. Where four or more entry points are provided for soft contained play structures, at least two entry points shall be on an accessible route.**§11B-206.2.17.2**
6. For areas of sport activity, an accessible route shall be provided to the boundary of each area of sport activity. **§11B-206.2.18**

**ENTRANCES**

1. Entrances shall be provided in accordance with 11B-206.4 Entrances. Entrance doors, doorways, and gates shall comply with 11B-404 Doors, Doorways, and Gates and shall be on an accessible route complying with 11B-402 Accessible Routes; (See exceptions). **§11B-206.4**
2. All entrances and exterior ground-floor exits to buildings and facilities shall comply with 11B-404 Doors, Doorways, and Gates. **§11B-206.4.1**
3. Where direct access is provided for pedestrians from a parking structure to a building or facility entrance, each direct access to the building or facility entrance shall comply with 11B-404 Doors, Doorways, and Gates. **§11B-206.4.2**
4. Where direct access is provided for pedestrians from a pedestrian tunnel or elevated walkway to a building or facility,all entrances to the building or facility from each tunnel or walkway shall comply with 11B-404 Doors, Doorways, and Gates.**§11B-206.4.3**
5. In transportation facilities, where different entrances serve different transportation fixed routes or groups of fixed routes, entrances serving each fixed route or group of fixed routes shall comply with 11B-404Doors, Doorways, and Gates.**§11B-206.4.4.1 (See exception)**
6. Direct connections to other facilities shall provide an accessible route complying with 11B-404Doors, Doorways, and Gates from the point of connection to boarding platforms and all transportation system elements required to be accessible. Any elements provided to facilitate future direct connections shall be on an accessible route connecting boarding platforms and all transportation system elements required to be accessible.**§11B-206.4.4.2 (See exception)**
7. Key stations and existing intercity rail stations required by Subpart C of 49 CFR part 37 to be altered shall have entrances complying with 11B-404 Doors, Doorways, and Gates.**§11B-206.4.4.3**
8. Except self-service storage facilities, all entrances to each tenancy in a facility shall comply with 11B-404 Doors, Doorways, and Gates. **§11B-206.4.5**
9. In residential dwelling units, at least one primary entrance shall comply with 11B-404 Doors, Doorways, and Gates. The primary entrance to a residential dwelling unit shall not be to a bedroom.**§11B-206.4.6**
10. Where restricted entrances are provided to a building or facility, all restricted entrances to the building or facility shall comply with 11B-404 Doors, Doorways, and Gates.**§11B-206.4.7**
11. If a service entrance is the only entrance to a building or to a tenancy in a facility, that entrance shall comply with 11B-404 Doors, Doorways, and Gates. In existing buildings and facilities, a service entrance shall not be the sole accessible entrance unless it is the only entrance to a building or facility.**§11B-206.4.8**
12. Where entrances used only by inmates or detainees and security personnel are provided at judicial facilities, detention facilities, or correctional facilities, at least one such entrance shall comply with 11B-404 Doors, Doorways, and Gates. **§11B-206.4.9**
13. Weather protection by a canopy or roof overhang shall be provided at a minimum of one accessible entrance to licensed medical care and licensed long-term care facilities where the period of stay may exceed twenty-four hours. The area of weather protection shall include the passenger loading zone complying with 11B-209.3 Medical Care and Long-Term Care Facilities and the accessible route from the passenger loading zone to the accessible entrance it serves.**§11B-206.4.10**

**TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTES**

1. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20 (5%), doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. **§11B-402.2**
2. The running slope of walking surfaces shall not be steeper than 1:20 (5%). The cross slope of walking surfaces shall not be steeper than 1:48 (2.083%).**§11B-403.3**
3. Except at turns or passing spaces, the clear width of walking surfaces shall be 36 inches minimum. **§11B-403.5.1**
4. The clear width shall be permitted to be reduced to 32 inches minimum for a length of 24 inches maximum provided that reduced width segments are separated by segments that are 48 inches long minimum and 36 inches wide minimum.**§11B-403.5.1 exception 1**
5. The clear width for walking surfaces in corridors serving an occupant load of 10 or more shall be 44 inches minimum.**§11B-403.5.1 exception 2**
6. The clear width for sidewalks and walks shall be 48 inches minimum.**§11B-403.5.1 exception 3**
7. The clear width for aisles shall be 36 inches minimum if serving elements on only one side, and 44 inches minimum if serving elements on both sides.**§11B-403.5.1 exception 4**
8. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches wide, clear width shall be 42 inches minimum approaching the turn, 48 inches minimum at the turn and 42 inches minimum leaving the turn.**§11B-403.5.2**
9. For passing spaces, an accessible route with a clear width less than 60 inches shall provide passing spaces at intervals of 200 feet maximum. Passing spaces shall be either: a space 60 inches minimum by 60 inches minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with 11B-304.3.2 T-Shaped Space where the base and arms of the T-shaped space extend 48 inches minimum beyond the intersection.**§11B-403.5.3**
10. Where handrails are provided along walking surfaces with running slopes not steeper than 1:20 (5%) they shall comply with handrail requirements of 11B-505 Handrails. **§11B-403.6**
11. All walks with continuous gradients shall have resting areas, 5 feet in length, at intervals of 400 feet maximum. The resting area shall be at least as wide as the walk. The slope of the resting area in all directions shall be 1:48 (2.083%) maximum. **§11B-403.7**

**DOORS, DOORWAYS AND GATES**

1. Doors, doorways, and gates providing user passage shall be provided in accordance with 11B-206.5 Doors, Doorways, and Gates. **§11B-206.5**
2. Each entrance to a building or facility required to comply with 11B-206.4 Entrances shall comply with 11B-404Doors, Doorways, and Gates.**§11B-206.5.1**
3. Within a building or facility, every door, doorway or gate serving rooms and spaces complying with this chapter shall comply with 11B-404Doors, Doorways, and Gates. **§11B-206.5.2**
4. In transient lodging facilities, except shower and sauna doors, all entrances, doors, and doorways providing user passage into and within guest rooms that are not required to provide mobility features shall comply with 11B-404.2.3 Clear Width. **§11B-206.5.3**
5. In residential dwelling units required to provide mobility features complying with 11B-809.2 through 11B-809.4, all doors and doorways providing user passage shall comply with 11B-404Doors, Doorways, and Gates.**§11B-206.5.4**
6. Doors, doorways and gates that are part of an accessible route shall comply with 11B-404Doors, Doorways, and Gates.**§11B-404.1**
7. Manual doors and doorways and manual gates intended for user passage shall comply with 11B-404.2 Manual Doors, Doorways, and Manual Gates.**§11B-404.2**
8. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route. **§11B-402.2.1**
9. At least one of the active leaves of doorways with two leaves shall comply with 11B-404.2.3 Clear Width and 11B-404.2.4 Maneuvering Clearances.**§11B-404.2.2**
10. Door openings shall provide a clear width of 32 inches minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches deep shall provide a clear opening of 36 inches minimum. There shall be no projections into the required clear opening width lower than 34 inches above the finish floor or ground. Projections into the clear opening width between 34 inches and 80 inches above the finish floor or ground shall not exceed 4 inches. **§11B-404.2.3**
11. Minimum maneuvering clearances at doors and gates shall comply with 11B-404.2.4 Maneuvering Clearances. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.**§11B-404.2.4**
12. Swinging doors and gates shall have maneuvering clearances complying with Table 11B-404.2.4.1. **§11B-404.2.4.1**
13. Doorways less than 36 inches wide without doors or gates, sliding doors, or folding doors shall have maneuvering clearances complying with Table 11B-404.2.4.2.**§11B-404.2.4.2**
14. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches of the latch side an interior doorway, or within 24 inches of the latch side of an exterior doorway, projects more than 8 inches beyond the face of the door, measured perpendicular to the face of the door or gate. **§11B-404.2.4.3**
15. Floor or ground surface within required maneuvering clearances shall comply with11B-302 Floor or Ground Surfaces. Changes in level are not permitted at door landings. **§11B-404.2.4.4**
16. Thresholds, if provided at doorways, shall be ½ inch high maximum. Raised thresholds and changes in level at doorways shall comply with 11B-302 Floor or Ground Surfaces and 11B-303 Changes in Level.**§11B-404.2.5.**
17. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches minimum plus the width of doors or gates swinging into the space.**§11B-404.2.6**
18. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 11B-309.4 Operation. Operable parts of such hardware shall be 34 inches minimum and 44 inches maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.**§11B-404.2.7**
19. Door and gate closing speed shall comply with the following:
    1. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.**§11B-404.2.8.1**
    2. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.**§11B-404.2.8.2**
20. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:**§11B-404.2.9**
    1. Interior hinged doors and gates: 5 pounds maximum.
    2. Sliding or folding doors: 5 pounds maximum.
    3. Required fire doors: the minimum opening force allowable by the appropriate administrative authority, not to exceed 15 pounds.
    4. Exterior hinged doors: 5 pounds maximum.
21. Swinging door and gate surfaces within 10 inches of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be capped.**§11B-404.2.10**
22. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches maximum above the finish floor.**§11B-404.2.11**
23. Full-powered automatic doors shall comply with ANSI/BHMA A156.10. Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19.Automatic doors and automatic gates shall comply with the following:**§11B-404.3**
    1. Doorways shall provide a clear opening of 32 inches minimum in power-on and power-off mode. The minimum clear width for automatic door systems in a doorway shall provide a clear, unobstructed opening of 32 inches with one leaf positioned at an angle of 90 degrees from its closed position. **§11B-404.3.1**
    2. Clearances at power-assisted doors and gates shall comply with 11B-404.2.4 Maneuvering Clearances. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 11B-404.2.4 Maneuvering Clearances.**§11B-404.3.2**
    3. Thresholds and changes in level at doorways shall comply with 11B-404.2.5 Thresholds.**§11B-404.3.3**
    4. Doors in series and gates in series shall comply with 11B-404.2.6 Doors in Series and Gates in Series.**§11B-404.3**
    5. Manually operated controls shall comply with 11B-309 Operable Parts. The clear floor space adjacent to the control shall be located beyond the arc of the door swing.**§11B-404.3.5**
    6. Where doors and gates without standby power are a part of a means of egress, the clear break out opening at swinging or sliding doors and gates shall be 32 inches minimum when operated in emergency mode.§11B-404.3.6
    7. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.**§11B-404.3.7**

**RAMPS**

1. Provide ramp details, including slope, landings, and handrails.
2. Ramp runs shall have a running slope not steeper than 1:12 (8.33%).**§11B-405.2**
3. Cross slope of ramp runs shall not be steeper than 1:48 (2.083%). **§11B-405.3**
4. Floor or ground surfaces of ramp runs shall comply with 11B-302 Floor or Ground Surfaces. Changes in level other than the running slope and cross slope are not permitted on ramp runs. **§11B-405.4**
5. The clear width of a ramp run shall be 48 inches minimum. **§11B-405.5**
6. The rise for any ramp run shall be 30 inches maximum. **§11B-405.6**
7. Ramps shall have landings at the top and the bottom of each ramp run. **§11B-405.7**
8. Landings shall comply with 11B-302 Floor or Ground Surfaces. Changes in level are not permitted. **§11B-405.7.1**
9. The landing clear width shall be at least as wide as the widest ramp run leading to the landing. **§11B-405.7.2**
10. Top landings shall be 60 inches wide minimum. **§11B-405.7.2.1**
11. The landing clear length shall be 60 inches long minimum. **§11B-405.7.3**
12. Bottom landings shall extend 72 inches minimum in the direction of ramp run. **§11B-405.7.3.1**
13. Ramps that change direction between runs at landings shall have a clear landing 60 inches minimum by 72 inches minimum in the direction of downward travel from the upper ramp run. **§11B-405.7.4**
14. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 11B-404.2.4 and 11B-404.3.2 shall be permitted to overlap the required landing area. Doors, when fully open, shall not reduce the required ramp landing width by more than 3 inches. Doors, in any position, shall not reduce the minimum dimension of the ramp landing to less than 42 inches. **§11B-405.7.5**
15. Ramp runs shall have compliant handrails per 11B-505 Handrails. **§11B-405.8**
16. Edge protection complying with 11B-405.9.2 Curb or Barrier shall be provided on each side of ramp runs and at each side of ramp landings.**§11B-405.9 (See exceptions)**
17. A curb, 2 inches high minimum, or barrier shall be provided that prevents the passage of a 4 inch diameter sphere, where any portion of the sphere is within 4 inches of the finish floor or ground surface. To prevent wheel entrapment, the curb or barrier shall provide a continuous and uninterrupted barrier along the length of the ramp.**§11B-405.9.2**
18. Landings subject to wet conditions shall be designed to prevent the accumulation of water.**§11B-405.10**

**Curb Ramps, Blended Transitions and Islands**

1. Provide curb ramp details including dimensions, slopes, and detectable warnings.
2. Perpendicular ramp runs shall have a running slope not steeper than 1:12 (8.33%).**§11B-406.2.1**
3. For perpendicular ramps, where provided, curb ramp flares shall not be steeper than 1:10.**§11B-406.2, Figure 11B-406.2.2**
4. The running slope of the curb ramp segments shall be in-line with the direction of sidewalk travel. Ramp runs shall have a running slope not steeper than 1:12 (8.33%).**§11B-406.3.1, Figure 11B-406.3.2**
5. A turning space 48 inches minimum by 48 inches minimum shall be provided at the bottom of the curb ramp. The slope of the turning space in all directions shall be 1:48 maximum (2.083%). **§11B-406.3.2**
6. Blended transition ramps hall have a running slope not steeper than 1:20 (5%).**§11B-406.4.1**
7. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.**§11B-406.5.1**
8. The clear width of curb ramp runs (excluding any flared sides), blended transitions, and turning spaces shall be 48 inches minimum.**§11B-406.5.2**
9. Landings shall be provided at the tops of curb ramps and blended transitions (parallel curb ramps shall not be required to comply). The landing clear length shall be 48 inches minimum. The landing clear width shall be at least as wide as the curb ramp, excluding any flared sides, or the blended transition leading to the landing. The slope of the landing in all directions shall be 1:48 (2.083%) maximum.**§11B-406.5.3**
10. Floor or ground surfaces of curb ramps and blended transitions shall comply with 11B-405.4 Floor or Ground Surfaces*.* **§11B-406.5.4**
11. Curb ramps and blended transitions shall comply with 11B-405.10 Wet Conditions. **§11B-406.5.5**
12. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush. **§11B-406.5.6**
13. The cross slope of curb ramps and blended transitions shall be 1:48 (2.083%) maximum. **§11B-406.5.7**
14. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1:20 (5%). The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level. **§11B-406.5.8**
15. The bottom of diagonal curb ramps shall have a clear space 48 inches minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches minimum clear space within the markings.**§11B-406.5.9**
16. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches long minimum located on each side of the curb ramp and within the marked crossing. **§11B-406.5.10, Figure 11B-406.5.10**
17. Curb ramps shall have a grooved border 12 inches wide along the top of the curb ramp at the level surface of the top landing and at the outside edges of the flared sides. The grooved border shall consist of a series of grooves ¼ inch wide by ¼ inch deep, at ¾ inch on center; (See exceptions). **§11B-406.5.11**
18. Curb ramps and blended transitions shall have detectable warnings complying with 11B-705 Detectable Warnings*.* **§11B-406.5.12**
19. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. The clear width of the accessible route at islands shall be 60 inches wide minimum. Where curb ramps are provided, they shall comply with 11B-406 Curb Ramps, Blended Transitions and Islands. Landings complying with 11B-406.5.3 Landings and the accessible route shall be permitted to overlap. Islands shall have detectable warnings complying with 11B-705 Detectable Warnings and Detectable Directional Texture.**§11B-406.6, Figure 11B-406.6**

**ELEVATORS**

1. Elevators provided for passengers shall comply with 11B-407 Elevators. Where multiple elevators are provided, each elevator shall comply with 11B-407 Elevators; (See exceptions). **§11B-206.6**
2. Where elements of existing elevators are altered, the same element shall also be altered in all elevators that are programmed to respond to the same hall call control as the altered elevator and shall comply with the requirements of 11B-407 Elevators for the altered element. **§11B-206.6.1**
3. Elevators shall comply with 11B-407 Elevators and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic. When the only elevators provided for use by the public and employees are combination passenger and freight elevators, they shall comply with 11B-407 Elevators and with ASME A17.1.**§11B-407.1, §11B-407.1.1**
4. Where elevator call buttons or keypads are provided, they shall comply with 11B-407.2.1 Call Controls and 11B-309.4 Operation. **§11B-407.2.1**
5. Call buttons and keypads shall be located within one of the reach ranges specified in 11B-308 Reach Ranges, measured to the centerline of the highest operable part. **§11B-407.2.1.1**
6. Call buttons shall have square shoulders, be ¾ inch minimum in the smallest dimension and shall be raised ⅛ inch plus or minus 1/32 inch above the surrounding surface. The buttons shall be activated by a mechanical motion that is detectable. **§11B-407.2.1.2**
7. A clear floor or ground space complying with 11B-305 Clear Floor or Ground Surface shall be provided at call controls. **§11B-407.2.1.3**
8. Except for destination-oriented elevators, the call button that designates the up direction shall be located above the call button that designates the down direction.**§11B-407.2.1.4**
9. Except at destination-oriented elevators, visible signal fixtures shall be centered at 72 inches minimum above the finish floor or ground. The visible signal elements shall be a minimum 2½ inches high by 2½ inches wide. Signals shall be visible from the floor area adjacent to the hall call button. **§11B-407.2.2.2, Figure 11B-407.2.2.2**
10. Floor designations complying with 11B-703.2 Raised Characters and 11B-703.4.1 Height Above Finish Floor or Ground shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both raised characters and Braille. Raised characters shall be 2 inches high. A raised star, placed to the left of the floor designation, shall be provided on both jambs at the main entry level. The outside diameter of the star shall be 2 inches and all points shall be of equal length. Raised characters, including the star, shall be white on a black background. Braille complying with Section 11B-703.3 Braille shall be placed below the corresponding raised characters and the star. The Braille translation for the star shall be “MAIN”. Applied plates are acceptable if they are permanently fixed to the jamb. **§11B-407.2.3.1, Figure 11B-407.2.3.1**
11. Destination-oriented elevators shall provide tactile car identification complying with 11B-703.2 Raised Characters and 11B-703.4.1 Height Above Finish Floor or Ground on both jambs of the hoistway immediately below the floor designation. Car designations shall be provided in both raised characters and Braille. Raised characters shall be 2 inches high. Raised characters shall be white on a black background. Braille complying with Section 11B-703.3 Braille shall be placed below the corresponding raised characters. Applied plates are acceptable if they are permanently fixed to the jamb. **§11B-407.2.3.2, Figure 11B-407.2.3.2**
12. Elevator doors shall be the horizontal sliding type. Car gates shall be prohibited. **§11B-407.3.1**
13. Elevator hoistway and car doors shall open and close automatically.**§11B-407.3.2 (See exception)**
14. The width of elevator doors shall comply with Table 11B-407.4.1.**§11B-407.3.6 (See exception)**
15. Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table 11B-407.4.1.**§11B-407.4.1 (See exception)**
16. Floor surfaces in elevator cars shall comply with 11B-302 Floor or Ground Surfaces and 11B-303 Changes in Level. **§11B-407.4.2**
17. The clearance between the car platform sill and the edge of any hoistway landing shall be 1¼ inch maximum. **§11B-407.4.3**
18. Elevator car controls shall be located within one of the reach ranges specified in 11B-308 Reach Ranges. **§11B-407.4.6, See exceptions as applicable.**
19. Car control buttons with floor designations shall comply with the following:
    1. Buttons shall have square shoulders, be 3/4 inch minimum in their smallest dimension and be raised 1/8 inch plus or minus 1/32 inch above the surrounding surface. **§11B-407.4.6.2.1**
    2. Buttons shall be arranged with numbers in ascending order. When two or more columns of buttons are provided they shall read from left to right. **§11B-407.4.6.2.2**
    3. Car control buttons shall be illuminated. **§11B-407.4.6.2.3**
    4. Car control buttons shall be activated by a mechanical motion that is detectable.**§11B-407.4.6.2.4**
20. Emergency control buttons shall have their centerlines 35 inches minimum above the finish floor. **§11B-407.4.6.4.1**
21. Emergency controls, including the emergency alarm, shall be grouped at the bottom of the panel. **§11B-407.4.6.4.2**
22. Car control buttons shall comply with the following:
    1. Control buttons shall be identified by raised characters or symbols, white on a black background, complying with 11B-703.2 Raised Characters and Braille complying with 11B-703.3 Braille. **§11B-407.4.7.1.1**
    2. Raised characters or symbols and Braille designations shall be placed immediately to the left of the control button to which the designations apply. **§11B-407.4.7.1.2**
    3. The control button for the emergency stop, alarm, door open, door close, main entry floor, and phone, shall be identified with raised symbols and Braille as shown in Table 11B-407.4.7.1.3. **§11B-407.4.7.1.3, Table 11B-407.4.7.1.3**
    4. Buttons with floor designations shall be provided with visible indicators to show that a call has been registered, the visible indication shall extinguish when the car arrives at the designated floor.**§11B-407.4.7.1.4**
    5. A minimum clear space of 3/8 inch or other suitable means of separation shall be provided between rows of control buttons. **§11B-407.4.7.1.5**
23. Keypads shall be identified by characters complying with 11B-703.5 Visual Characters and shall be centered on the corresponding keypad button. The number five key shall have a single raised dot. The dot shall be 0.118 inch to 0.120 inch base diameter and in other aspects comply with Table 11B-703.3.1. **§11B-407.4.7.2**
24. Audible and visible car position indicators shall be provided in elevator cars. Characters shall be ½ inch high minimum. Indicators shall be located above the car control panel or above the door. **§11B-407.4.8**
25. Emergency two-way communication systems shall comply with 11B-308 Reach Ranges. Raised symbols or characters, white on a black background, and Braille shall be provided adjacent to the device and shall comply with 11B-703.2 Raised Characters and 11B-703.3 Braille. Emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with ASME A17.1. **§11B-407.4.9**
26. Support rails shall be provided on at least one wall of the car and shall comply with the following:**§11B-407.4.10**
    1. Clearance between support rails and adjacent surfaces shall be 1½ inches minimum. Top of support rails shall be 31 inches minimum to 33 inches maximum above the floor of the car. The ends of the support rail shall be 6 inches maximum from adjacent walls. **§11B-407.4.10.1**
    2. Support rails shall be smooth and any surface adjacent to them shall be free of sharp or abrasive elements. **§11B-407.4.10.2**
    3. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds is applied at any point on the support rail, fastener, mounting device, or supporting structure. **§11B-407.4.10.3**

**LIMITED-USE/LIMITED-APPLICATION ELEVATORS**

1. Limited-use/limited-application elevators shall comply with 11B-408 Limited-Use/Limited-Application Elevators and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.**§11B-408.1**
2. Elevator call buttons and keypads shall comply with 11B-407.2.1 Call Controls.**§11B-408.2.1**
3. Hall signals shall comply with 11B-407.2.2 Hall Signals.**§11B-408.2.2**
4. Signs at elevator hoistways shall comply with 11B-407.2.3.1 Floor Designation.**§11B-408.2.3**
5. Sliding hoistway and car doors shall comply with 11B-407.3.1 through 11B-407.3.3 (Type, Operation, and Roopening Device) and 11B-408.4.1 Car Dimensions and Doors.**§11B-408.3.1**
6. Swinging hoistway doors shall open and close automatically and shall comply with 11B-404 Doors, Doorways, and Gates, 11B-407.3.2 Operation, and 11B-408.3.2 Swinging Doors.**§11B-408.3.2**
7. Swinging doors shall be power-operated and shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition). **§11B-408.3.2.1**
8. Elevator cars shall provide a clear width 42 inches minimum and a clear depth 54 inches minimum. Car doors shall be positioned at the narrow ends of cars and shall provide 32 inches minimum clear width.**§11B-408.4.1, Figure 11B-408.4.1 (See exception)**
9. Floor surfaces in elevator cars shall comply with 11B-302 Floor or Ground Surfaces and 11B-303 Changes in Level.**§11B-408.4.2**
10. The platform to hoistway clearance shall comply with 11B-407.4.3 Platform to Hoistway Clearance.**§11B-408.4.3**
11. Elevator car leveling shall comply with 11B-407.4.4 Leveling. **§11B-408.4.4**
12. Elevator car illumination shall comply with 11B-407.4.5 Illumination.**§11B-408.4.5**
13. Control panels shall be centered on a side wall.**§11B-408.4.6**
14. Designations and indicators of car controls shall comply with 11B-407.4.7 Designations and Indicators of Car Controls.**§11B-408.4.7**
15. Car emergency signaling devices complying with 11B-407.4.9 Emergency Communication shall be provided. **§11B-408.4.8**

**PRIVATE RESIDENCE ELEVATORS**

1. Private residence elevators that are provided within a residential dwelling unit required to provide mobility features complying with 11B-809.2 through 11B-809.4 (Accessible Routes, Kitchen, and Toilet Facilities and Bathing Facilities) shall comply with 11B-409 Private Residence Elevators and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic. **§11B-409.1**
2. Elevator car and hoistway doors and gates shall be power operated and shall comply with ANSI/BHMA A156.19. Power operated doors and gates shall remain open for 20 seconds minimum when activated.**§11B-409.3.1 (See exception)**
3. Elevator car doors or gates shall be positioned at the narrow end of the clear floor spaces required by 11B-409.4.1 Inside Dimensions of Elevator Cars.**§11B-409.3.2**
4. Elevator cars shall provide a clear floor space of 36 inches minimum by 48 inches minimum and shall comply with 11B-305 Clear Floor or Ground Space.**§11B-409.4.1**
5. The clearance between the car platform and the edge of any landing sill shall be 1½ inch maximum.**§11B-409.4.3**
6. Each car shall automatically stop at a floor landing within a tolerance of ½ inch under rated loading to zero loading conditions.**§11B-409.4.4**
7. Control buttons shall be 3/4 inch minimum in their smallest dimension.**§11B-409.4.6.1**
8. Control panels shall be on a side wall, 12 inches minimum from any adjacent wall.**§11B-409.4.6.2**

**PLATFORM LIFTS**

1. Platform lifts shall comply with 11B-410 Platform Lifts. Platform lifts shall be permitted as a component of an accessible route in an existing building or facility or in new construction as follows:**§11B-206.7**
   1. Platform lifts shall be permitted to provide accessible routes to performance areas and speakers’ platforms. **§11B-206.7.1**
   2. Platform lifts shall be permitted to provide an accessible route to comply with the wheelchair space dispersion and line-of-sight requirements of 11B-221 Assembly Areas and 11B-802 Wheelchair Spaces, Companion Seats, Designated Aisle Seats and Semi-Ambulant Seats. **§11B-206.7.2**
   3. Platform lifts shall be permitted to provide an accessible route to incidental spaces which are not public use spaces and which are occupied by five persons maximum. **§11B-206.7.3**
   4. Platform lifts shall be permitted to provide an accessible route to: jury boxes and witness stands; raised courtroom stations including, judges’ benches, clerks’ stations, bailiffs’ stations, deputy §clerks’ stations, and court reporters’ stations; and to depressed areas such as the well of a court. **§11B-206.7.4**
   5. Platform lifts shall be permitted upon submitting documentation that existing exterior site constraints make use of a ramp or elevator infeasible.**§11B-206.7.5**
   6. Platform lifts shall be permitted to connect levels within transient lodging guest rooms required to provide mobility features complying with 11B-806.2 Guest Rooms with Mobility Features or residential dwelling units required to provide mobility features complying with 11B-809.2 through 11B-809.4 and adaptable features complying with Chapter 11A, Division IV.**§11B-206.7.6**
   7. Platform lifts shall be permitted to provide accessible routes to load and unload areas serving amusement rides. **§11B-206.7.7**
   8. Platform lifts shall be permitted to provide accessible routes to play components or soft contained play structures.**§11B-206.7.8**
   9. Platform lifts shall be permitted to provide accessible routes to team or player seating areas serving areas of sport activity. **§11B-206.7.9**
2. For recreational boating facilities and fishing piers and platforms, platform lifts shall be permitted to be used instead of gangways that are part of accessible routes serving recreational boating facilities and fishing piers and platforms.**§11B-206.7.10**
3. Platform lifts shall comply with ASME A18.1 (1999 edition or 2003 edition). Platform lifts shall not be attendant-operated and shall provide unassisted entry and exit from the lift.**§11B-410.1**
4. Floor surfaces in platform lifts shall comply with 11B-302 Floor or Ground Surfaces and 11B-303 Changes in Level.**§11B-410.2**
5. Clear floor space in platform lifts shall comply with 11B-305 Clear Floor or Ground Space.**§11B-410.3**
6. The clearance between the platform sill and the edge of any runway landing shall be 1¼ inch maximum.**§11B-410.4**
7. Controls for platform lifts shall comply with 11B-309 Operable Parts.**§11B-410.5**
8. Platform lifts shall have low-energy power-operated doors or gates complying with 11B-404.3 Automatic and Power-Assisted Doors and Gates. Doors shall remain open for 20 seconds minimum. End doors and gates shall provide a clear width 32 inches minimum. Side doors and gates shall provide a clear width 42 inches minimum.**§11B-410.6, Figure 11B-410.6 (See exception)**
9. The minimum size of landings at platform lifts shall be 60 inches by 60 inches.**§11B-410.7**
10. A sign complying with 11B-703.5 Visual Characters shall be posted in a conspicuous place at each landing and within the platform enclosure stating “No Freight” and include the International Symbol of Accessibility complying with 11B-703.7.2.1 International Symbol of Accessibility.**§11B-410.8**

**Detectable Warnings and Detectable Directional Texture**

1. Curb ramps shall have detectable warnings that extend 36 inches in the direction of travel for the full width of the ramp run excluding any flared sides. **§11B-247.1.2.2, §11B-705.1.2.2**
2. On perpendicular curb ramps, detectable warnings shall be located so the edge nearest the curb is 6 to 8 inches from the line at the face of the curb marking the transition between the curb and the gutter, street or highway. **§11B-247.1.2.2, §11B-705.1.2.2**
3. On parallel curb ramps, detectable warnings shall be placed on the turning space at the flush transition between the street and sidewalk. **§11B-247.1.2.2, §11B-705.1.2.2, Figure 11B-406.3.2**
4. Islands or cut-through medians 96 inches or longer in length in the direction of pedestrian travel shall have detectable warnings that are 36 inches minimum in depth extending the full width of the pedestrian path or cut-through, placed at the edges of the pedestrian island or cut-through median, and separated by 24 inches minimum of walking surface without detectable warnings. **§11B-247.1.2.3, §11B-705.1.2.3**
5. Islands or cut-through medians that are less than 96 inches in length in the direction of pedestrian travel shall have detectable warnings that are 24 inches minimum in depth extending the full width of the pedestrian path or cut-through, placed at the edges of the pedestrian island or cut-through median, and separated by 24 inches minimum of walking surface without detectable warnings. **§11B-247.1.2.3, §11B-705.1.2.3**
6. Bus stop pads shall provide a square curb surface or detectable warnings that are 36 inches in width. **§11B-247.1.2.4, §11B-705.1.2.4**
7. Walks that cross or adjoin a route provided for vehicular traffic, such as in a street, driveway, or parking facility, shall be separated by detectable warnings, curbs, railings or other elements between the pedestrian areas and vehicular areas. **§202, §11B-247.1.2.5, §11B-705.1.2.5**
8. Detectable warnings provided to separate walks that cross or adjoin a route provided for vehicular traffic, such as in a street, driveway, or parking facility, shall be 36 inches in width and continuous at the boundary between the pedestrian areas and vehicular areas. **§202, §11B-247.1.2.5, §11B-705.1.2.5**
9. At reflecting pools, detail compliance with the following:
   1. Edges of reflecting pools shall be protected by railings, walls, warning curbs or detectable warnings. **§11B-247.1.2.6, §11B-705.1.2.6**
   2. Detectable edges provided to protect reflecting pools shall be 24 to 36 inches in width. **§11B-247.1.2.6, §11B-705.1.2.6**
10. Provide detectable warning details showing compliance with the following:
    1. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 to 0.92 inches, a top diameter of 0.45 to 0.47 inches, and a height of 0.18 to 0.22 inches. **§11B-705.1.1.1, Figure 11B-705.1**
    2. Truncated domes placed in a grid pattern in a detectable warning surface shall have a center-to-center spacing of 2.3 to 2.4 inches, and a minimum base-to-base spacing of 0.65 inches, measured between the most adjacent domes on a square grid.**§11B-705.1.1.2, Figure 11B-705.1**
    3. Truncated domes placed in a radial pattern in a detectable warning surface shall have a center-to-center spacing of 1.6 to 2.4 inches, and a minimum base-to-base spacing of 0.65 inches, measured between the most adjacent domes on a square grid.**§11B-705.1.1.2, Figure 11B-705.1**
    4. Detectable warning surfaces shall visually contrast light-on-dark or dark-on-light with adjacent walking surfaces or be separated from adjacent surfaces by a 1 inch wide black strip. Material used to provide contrast shall be an integral part of the surface. **§11B-705.1.1.3**
    5. Detectable warning surfaces shall differ from adjoining surfaces in resiliency or sound-on-cane contact except at curb ramps, islands or cut-through medians. **§11B-705.1.1.4**
    6. Detectable warning surfaces shall be yellow conforming to FS 33538 of Federal Standard 595C except at curb ramps, islands or cut-through medians. **§11B-705.1.1.5**
    7. Detectable warning products and directional surfaces shall be approved by the Division of the State Architect. **§11B-705.3**
    8. Detectable warning products and directional surfaces installed after January 1, 2001, shall be evaluated by an independent entity, selected by the Division of the State Architect, to confirm compliance with the prescriptive and performance standards of Title 24. **§12-Chapters 12-A and 12-11B**
    9. Independent entities for testing of detectable warning products and directional surfaces shall be a not-for-profit product safety testing and certification organization, dedicated to testing for public safety that operates for the testing, certification and quality assessment of products, systems and services.**§12-11B.205, §12-11B.211**
    10. Independent entities for testing of detectable warning products and directional surfaces shall be recognized as having appropriate expertise in determining whether products comply with the California Code of Regulations, Title 24.**§12-11B.205, §12-11B.211**
    11. Detectable warning products and directional surfaces must ensure consistency and uniformity for shape, color fastness, conformation, sound-on-cane acoustic quality, resilience, and that attachment will not degrade significantly (<10%) for at least five years. **§12-11B.209, §12-11B-210**
11. At transit boarding platforms, comply with the following:
    1. Platform boarding edges at fixed rail vehicles shall have detectable warnings that are 24 inches wide and shall extend the full length of the public use areas of the platform. **§202, §11B-247.1.2.1, §11B-705.1.2.1**
    2. Circulation paths that cross tracks to reach transit boarding platforms for fixed rail vehicles shall provide detectable warnings that are 36 inches in the direction of pedestrian travel and extend the full width of the circulation path. **§202, §11B-247.1.2.7, §11B-705.1.2.7**
    3. Pedestrian access at transit boarding platforms shall be identified with a detectable directional texture that is at least 36 inches in depth and equal to the width of the transit vehicle’s door opening. **§11B-247.2, §11B-705.2**
    4. Detectable directional texture at transit boarding platforms shall be placed directly behind the yellow detectable warning texture required for the platform boarding edges, aligning with all doors of the transit vehicles where passengers will embark. **§11B-247.2, §11B-705.2**
    5. Detectable directional texture at transit boarding platforms shall comply with Figure 11B-705.2 and be 0.1 inch in height that tapers off to 0.04 inch, with bars raised 0.2 inch from the surface. Raised bars shall be 1.3 inches wide and 3 inches from center-to-center of each bar. **§11B-247.2, §11B-705.2**
    6. Surface of detectable directional texture at transit boarding platforms shall differ from adjoining walking surfaces in resiliency or sound-on-cane contact. **§11B-247.2, §11B-705.2**
    7. Color of detectable directional texture at transit boarding platforms shall be yellow conforming to Federal Color No. 33538. **§11B-247.2, §11B-705.2**
12. **GENERAL SITE AND BUILDING ELEMENTS**

**PARKING SPACES**

1. Where parking spaces are provided, accessibleparking spaces shall be provided in number and kind required per Section 11B-208 Parking Spaces.**§11B-208.1**
2. Provide ( )accessible parking spaces as required by Table 11B-208.2. **§11B-208.2 (See exceptions)**
3. Provide accessible spaces for each parking facility (parking lots and parking structures). The number of parking spaces required to be accessible is to be calculated separately for each parking facility; the required number is not based on the total number of parking spaces provided in all of the parking facilities provided on site. **§11B-208**
4. Ten percent of patient and visitor parking spaces provided to serve hospital outpatient facilities, and free-standing buildings providing outpatient clinicalservices of a hospital, shall comply with Section 11B-502 Parking Spaces.**§11B-208.2.1**
5. Twenty percent of patient and visitor parking spaces provided to serve rehabilitation facilities specializing in treating conditions that affect mobility and outpatient physical therapy facilities shall comply with Section 11B-502 Parking Spaces. **§11B-208.2.2**
6. At residential facilities subject to Chapter 11B, comply with the following:
   1. Where at least one parking space is provided for each residential dwelling unit, at least one parking space complying with Section 11B-502 Parking Spaces shall be provided for each residential dwelling unit required to provide mobility features complying with Sections 11B-809.2 through 11B-809.4. **§11B-208.2.3.1**
   2. Where the total number of parking spaces provided for each residential dwelling unit exceeds one parking space per residential dwelling unit, 2 percent, but no fewer than one space, of all the parking spaces not covered by Section 11B-208.2.3.1 Parking for Residents shall comply with Section 11B-502 Parking Spaces. **§11B-208.2.3.2**
   3. Where parking spaces are provided for persons other than residents, parking shall be provided in accordance with Table 11B-208.2.**§11B-208.2.3.3**
   4. When assigned parking is provided designated accessible parking for the adaptable residential dwelling units shall be provided on requests of residents with disabilities on the same terms and with the full range of choices (e.g.off-street parking, carport or garage) that are available to other residents.**§11B-208.2.3.4**
7. One in every six or fraction of six parking spaces required by Section 11B-208.2 Minimum Number, but not less than one, shall be served by an access aisle 96 inches wide minimum placed on the side opposite the driver’s side when the vehicle is going forward into the parking space and shall be designated “van accessible”. All such spaces may be grouped on one level of a parking structure. **§11B-208.2.4, 11B-502, Fig 11B-502, 11B-502.3, & 11B-502.3.3**
8. Accessible parking spaces complying with Section 11B-502 Parking Spaces serving a particular building or facility shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance (as near as practical to an accessible entrance).**§11B-208.3.1**
9. In buildings with multiple accessible entrances with adjacent parking, accessible parking spaces complying with Section 11B-502 Parking Spaces shall be dispersed and located closest to the accessible entrances. **§11B-208.3.1**
10. In parking facilities that do not serve a particular building or facility, accessible parking spaces complying with Section 11B-502 Parking Spaces shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility. **§11B-208.3.1**
11. Residential facilities:
    1. In residential facilities containing residential dwelling units required to provide mobility features complying with Sections 11B-809.2 through 11B-809.4, and adaptable features complying with Chapter 11A, Division IV parking spaces provided in accordance with Section 11B-208.2.3.1 shall be located on the shortest accessible route to the residential dwelling unit entrance they serve. Spaces provided in accordance with Section 11B-208.2.3.2 Additional Parking Spaces for Residents shall be dispersed throughout all types of parking provided for the residential dwelling units. **§11B-208.3.2**
    2. Private garages accessory to residential dwelling units shall comply with Section 11B-208.3 Location. Private garages include individual garages and multiple individual garages grouped together. **§11B-208.3.3**
    3. Detached private garages accessory to residential dwelling units, shall be accessible as required by Section 11B-208.3 Location. **§11B-208.3.3.1**
    4. Attached private garages directly serving a single residential dwelling unit shall provide at least one of the following options: **§11B-208.3.3.2**
       1. A door leading directly from the residential dwelling unit which immediately enters the garage.
       2. An accessible route from the residential dwelling unit to an exterior door entering the garage.
       3. An accessible route from the residential dwelling unit's primary entry door to the vehicular entrance at the garage.
12. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.] **§11B-502.1(See exceptions)**
13. Dimension minimum 18 foot long car and van accessible parking space(s) and access aisle(s). **§11B-502.2, Figures 11B-502.2 and 11B-502.3**
14. Dimension minimum 9 foot width at accessible car parking space. **§11B-502.2, Fig. 11B-502.2 & Fig. 11B-502.3**
15. Dimension minimum 12 foot wide accessible van parking space with minimum 5 foot wide access aisle. Van parking spaces shall be permitted to be minimum 9 feet wide where access aisle is 8 foot wide minimum. **§11B-502.2, Figures 11B-502.2 and 11B-502.3**
16. Car and van stall access aisle shall be 5 foot wide minimum and shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle. **§11B-502.3,Figures 11B-502.2 and 11B-502.3**
17. Access aisles shall extend the full required length of the parking spaces they serve.**§11B-502.3.2 & Fig. 11B-502.3**
18. Access aisles shall be marked with a blue painted borderline around their perimeter. The area within the blue borderlines shall be marked with hatched lines a maximum of 36 inches on center in a color contrasting with that of the aisle surface, preferably blue or white. The words "NO PARKING" shall be painted on the surface within each access aisle in white letters a minimum of 12 inches in height and located to be visible from the adjacentvehicular way. Access aisle markings may extend beyond the minimum required length.**§11B-502.3.3, Figure 11B-502.3.3**
19. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for van parking spaces which shall have access aisles located on the passenger side of the parking spaces.**§11B-502.3.4**
20. Parking spaces and access aisles serving them shall comply with Section 11B-302 Floor or Ground Surfaces. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted. **§11B-502.4**
21. Clearly show minimum vertical clearance of 8 feet 2 inches at accessible parking spaces and along at least one vehicle access route to such spaces from site entrances and exits. **§11B-502.5**

**SIGNAGE**

1. Parking space identification signs shall include the International Symbol of Accessibility (ISA) complying with Section 11B-703.7.2.1ISA.**§11B-502.6, Figure 11B-703.7.2.1**
2. Signs identifying van parking spaces shall contain additional language or an additional sign with the designation “van accessible.” Signs shall be 60 inches minimum above the finish floor or ground surface measured to the bottom of the sign. **§11B-502.6**
3. Parking identification signs shall be reflectorized with a minimum area of 70 square inches.**§11B-502.6.1**
4. Additional language or an additional sign below the International Symbol of Accessibility shall state “Minimum Fine $250.”**§11B-502.6.2**
5. A parking space identification sign shall be visible from each parking space. Signs shall be permanently posted either immediately adjacent to the parking space or within the projected parking space width at the head end of the parking space. Signs may also be permanentlyposted on a wall at the interior end of the parking space. **§11B-502.6.3**
6. Each accessible car and van space shall have surface identification complying with either of the following schemes: **§11B-502.6.4**
   1. The parking space shall be marked with an International Symbol of Accessibility (ISA) complying with Section 11B-703.7.2.1 ISAin white on a blue background a minimum 36 inches wide by 36 inches high. The centerline of the ISA shall be a maximum of 6 inches from the centerline of the parking space, its sides parallel to the length of the parking space and its lower corner at, or lower side aligned with, theend of the parking space length.**§11B-502.6.4.1**
   2. The parking space shall be outlined or painted blue and shall be marked with an International Symbol of Accessibility (ISA) complying with Section 11B-703.7.2.1 ISAa minimum 36 inches wide by 36 inches high in white or a suitable contrasting color. The centerline of the ISA shall be a maximum of 6 inches from the centerline of the parking space, its sides parallel to the length of the parking space and its lowercorner at, or lower side aligned with, the end of the parking space.**§11B-502.6.4.2**
7. An additional sign shall be posted either; 1) in a conspicuous place at each entrance to an off-street parking facility or 2) immediately adjacent to on-site accessible parking and visible from each parking space. **§11B-502.8**
   1. The additional sign shall not be less than 17 inches wide by 22 inches high. **§11B-502.8.1**
   2. The additional sign shall clearly state in letters with a minimum height of 1 inch the following: **§11B-502.8.2**

"Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for persons with disabilities will be towed away at the owner’s expense. Towed vehicles may be reclaimed at: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or by telephoning\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_."

*Blank spaces shall be filled in with appropriate information as a permanent part of the sign.*

**Relationship to Accessible Routes**

1. Parking spaces and access aisles shall be designed so that persons using them are not required to travel behind parking spaces other than to pass behind the parking space in which they parked. **§11B-502.7.1**
2. A curb or wheel stop shall be provided if required to prevent encroachment of vehicles over the required clear width of adjacent accessible routes.**§11B-502.7.2**

**PASSENGER LOADING ZONES, DROP-OFF ZONES, AND BUS STOPS**

1. Passenger loading zones, except those required to comply with Sections 11B-209.2.2 Bus Loading Zones and 11B-209.2.3 Medical Care and Long-Term Care Facilities, shall provide at least one passenger loading zone complying with Section 11B-503 Passenger Drop-off and Loading Zones in every continuous 100 linear feet of loading zone space, or fraction thereof.**§11B-209.2.1**
2. In bus loading zones restricted to use by designated or specified public transportation vehicles, each bus bay, bus stop, or other area designated for lift or ramp deployment shall comply with Section 11B-810.2 Bus Boarding and Alighting Areas. **§11B-209.2.2**
3. On-street bus stops shall comply with Section 11B-810.2 Bus Boarding and Alighting Areas to the maximum extent practicable. **§11B-209.2.3**
4. At least one passenger loading zone complying with Section 11B-503 Passenger Drop-off and Loading Zonesshall be provided at an accessible entrance to licensed medical care and licensed long-term care facilities where the period of stay may exceed twenty-four hours. **§11B-209.3**
5. Parking facilities that provide valet parking services shall provide at least one passenger loading zone complying with Section 11B-503 Passenger Drop-off and Loading Zones. The parking requirements of Section 11B-208.1Parking Spaces General apply to facilities with valet parking. **§11B-209.4**
6. Mechanical access parking garages shall provide at least one passenger loading zone complying with Section 11B-503 Passenger Drop-off and Loading Zonesat vehicle drop-off and vehicle pick-up areas. **§11B-209.5**
7. Passenger drop-off and loading zones shall provide a vehicular pull-up space 96 inches wide minimum and 20 feet long minimum. **§11B-503.2**
8. Passenger drop-off and loading zones shall provide access aisles complying with the followingadjacent and parallel to the vehicle pull-up space. Access aisles shall adjoin an accessible route and shall not overlap the vehicular way. **§11B-503.3**
   1. Access aisles serving vehicle pull-up spaces shall be 60 inches wide minimum.**§11B-503.3.1**
   2. Access aisles shall extend the full length of the vehicle pull-up spaces they serve.**§11B-503.3.2**
   3. Access aisles shall be marked with a painted borderline around their perimeter. The area within the borderlines shall be marked with hatched lines a maximum of 36 inches on center in a color contrasting with that of the aisle surface.**§11B-503.3.3**
9. Vehicle pull-up spaces and access aisles serving them shall comply with Section 11B-302 Floor or Ground Surfaces. Access aisles shall be at the same level as the vehicle pull-up space they serve. Changes in level are not permitted.**§11B-503.4**
10. Vehicle pull-up spaces, access aisles serving them, and a vehicular route from an entrance to the passenger loading zone and from the passenger loading zone to a vehicular exit shall provide a vertical clearance of 114 inches minimum.**§11B-503.5**
11. Each passenger loading zone designated for persons with disabilities shall be identified with a reflectorized sign complying with Section 11B-703.5 Visual Characters. It shall be permanently posted immediately adjacent to and visible from the passenger loading zone stating “Passenger Loading Zone Only” and including the International Symbol of Accessibility (ISA) complying with Section 11B-703.7.2.1 ISA.**§11B-503.6**

**STAIRWAYS**

1. A stair is defined as a change in elevation, consisting of one or more risers. **§11B-202**
2. Interior and exterior stairs shall comply with Section 11B-504 Stairways. **§11B-210.1 (See exceptions)**
3. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches high minimum and 7 inches high maximum. Treads shall be 11 inches deep minimum.**§11B-504.2**
4. Open risers are not permitted. **§11B-504.3 (See exceptions)**
5. Stair treads shall comply with Section 11B-302 Floor and Ground Surfaces. Changes in level are not permitted.**§11B-504.4**
6. Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. Exterior stairs shall have the upper approach and all treads marked by a stripe providing clear visual contrast.

The stripe shall be a minimum of 2 inches wide to a maximum of 4 inches wideplaced parallel to, and not more than 1 inch from, the nose of the step or upper approach.The stripe shall extend the full width of the step or upper approach and shall be of material that is atleast as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. Grooves shall not be used to satisfy this requirement.**§11B-504.4.1**

1. The radius of curvature at the leading edge of the tread shall be ½ inch maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1¼ inches maximum over the tread below.**§11B-504.5 (See exception for existing buildings)**
2. Stairs shall have handrails complying with Section 11B-505 Handrails.**§11B-504.6**
3. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.**§11B-504.7**
4. Floor identification signs required by Chapter 10, Section 1022.9 complying with Sections 11B-703.1 Signs General, 11B-703.2 Raised Characters, 11B-703.3 Braille and 11B-703.5 Visual Characters shall be located at the landing of each floor level, placed adjacent to the door on the latch side, in all enclosed stairways in buildings two or more stories in height to identify the floor level. At the exit discharge level, the sign shall include a raised five pointed star located to the left of the identifying floor level. The outside diameter of the star shallbe the same as the height of the raised characters.**§11B-504.8**

**HANDRAILS**

1. Handrails provided along walking surfaces complying with Section 11B-403 Walking Surfaces, required at ramps complying with Section 11B-405 Ramps, and required at stairs complying with Section 11B-504 Stairways shall comply with Section 11B-505 Handrails. **§11B-505.1**
2. Handrails shall be provided on both sides of stairs and ramps. **§11B-505.2**
3. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. **§11B-505.3**
4. Top of gripping surfaces of handrails shall be 34 inches minimum and 38 inches maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.**§11B-505.4**
5. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1½ inches minimum. Handrails may be located in a recess if the recess is 3 inches maximum deep and 18 inches minimum clear above the top of the handrail.**§11B-505.5**
6. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1½ inches minimum below the bottom of the handrail gripping surface. **§11B-505.6**
7. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1¼ inches minimum and 2 inches maximum.**§11B-505.7.1**
8. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches minimum and 6¼ inches maximum, and a cross-section dimension of 2¼ inches maximum. **§11B-505.7.2**
9. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. **§11B-505.8**
10. Handrails shall not rotate within their fittings.**§11B-505.9**
11. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with Section 11B-505.10 Handrail Extensions. **§11B-505.10**
12. Ramp handrails shall extend horizontally above the landing for 12 inches minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run. **§11B-505.10.1**
13. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. **§11B-505.10.2**
14. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance equal to one tread depth beyond the last riser nosing. Such extension shall continue with a horizontal extension or shall be continuous to the handrail of an adjacent stair flight or shall return to a wall, guard, or the walking surface. At the bottom of a stair flight, a horizontal extension of a handrail shall be 12 inches long minimum and a height equal to that of the sloping portion of the handrail as measured above the stair nosings. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.**§11B-505.10.3**
15. **PLUMBING FIXTURES AND FACILITIES**

**Drinking Fountains**

1. Where drinking fountains are provided on an exterior site, on a floor, or within a secured area they shall be provided in accordance with 11B-211 Drinking Fountains.**§11B-211.1 (See exception)**
2. No fewer than two drinking fountains shall be provided. One drinking fountain shall comply with 11B-602.1 through 11B-602.6 and one drinking fountain shall comply with 11B-602.7 Drinking Fountains for Standing Persons.**§11B-211.2 (See exception)**
3. Where more than the minimum number of drinking fountains specified in 11B-211.2 are provided, 50 percent of the total number of drinking fountains provided shall comply with 11B-602.1 through 11B-602.6, and 50 percent of the total number of drinking fountains provided shall comply with 11B-602.7 Drinking Fountains for Standing Persons.**§11B-211.3 See exception**
4. Drinking fountains shall comply with Sections 11B-307 Protruding Objects and 11B-602 General Requirements.**§11B-602.1**
5. Units shall have a clear floor or ground space complying with Section 11B-305 Clear Floor or Ground Space positioned for a forward approach and centered on the unit. Knee and toe clearance complying with Section 11B-306 Knee and Toe Clearance shall be provided. **§11B-602.2**
6. Where drinking fountains are used by children, a parallel approach complying with Section 11B-305 Clear Floor or Ground Surfaces shall be permitted at units where the spout is 30 inches maximum above the finish floor or ground and is 3½” maximum from the front edge of the unit, including bumpers. **§11B-602.2 exception**
7. Spout outlets shall be 36 inches maximum above the finish floor or ground.**§11B-602.4**
8. The spout shall be located 15 inches minimum from the vertical support and 5 inches maximum from the front edge of the unit, including bumpers. **§11B-602.5**
9. The spout shall provide a flow of water 4inches high minimum and shall be located 5 inches maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches from the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches and 5 inches maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum. **§11B-602.6**
10. Spout outlets of drinking fountains for standing persons shall be 38 inches minimum and 43 inches maximum above the finish floor or ground.**§11B-602.7**
11. Wall- and post-mounted cantilevered drinking fountains shall be 18 inches minimum and 19 inches maximum in depth. **§11B-602.8**
12. All drinking fountains shall either be located completely within alcoves, positioned completely between wing walls, or otherwise positioned so as not to encroach into pedestrian ways. The protected area within such a drinking fountain is located shall be 32 inches wide minimum and 18 inches deep minimum, and shall comply with Section 11B-305.7 Maneuvering Clearance. When used, wing walls or barriers shall protect horizontally at least as far as the drinking fountain and to within 6 inches vertically from the floor or ground surface. **§11B-602.9**

**Toilet and Bathing Room Clearances**

1. Where toilet facilities and bathing facilities are provided, they shall comply with 11B-213 Toilet Facilities and Bathing Facilities. Where toilet facilities and bathing facilities are provided in facilities permitted by 11B-206.2.3 Multi-Story Buildings and Facilities Exceptions 1 and 2 not to connect stories by an accessible route, toilet facilities and bathing facilities shall be provided on a story connected by an accessible route to an accessible entrance.**§11B-213.1**
2. Where separate toilet facilities are provided for the exclusive use of separate user groups, the toilet facilities serving each user group shall comply with 11B-213Toilet Facilities and Bathing Facilities.**§11B-213.1.1**
3. Where toilet rooms are provided, each toilet room shall comply with 11B-603 Toilet and Bathing Rooms. Where bathing rooms are provided, each bathing room shall comply with 11B-603Toilet and Bathing Rooms.**§11B-213.2 See exceptions**
4. Unisex toilet rooms shall contain not more than one lavatory, and not more than two water closets without urinals or one water closet and one urinal. Unisex bathing rooms shall contain one shower or one shower and one bathtub, one lavatory, and one water closet. Doors to unisex toilet rooms and unisex bathing rooms shall have privacy latches.**§11B-213.2.1**
5. Common-use unisex toilet rooms for exclusive patient use not located within patient bedrooms shall contain a lavatory and one water closet.**§11B-213.2.2**
6. Common-use unisex bathing rooms for exclusive patient use not located within patient bedrooms shall contain one shower or one bathtub, one lavatory, and one water closet.**§11B-213.2.3**
7. Plumbing fixtures and accessories provided in a toilet room or bathing room required to comply with 11B-213.2 Toilet and Bathing Rooms shall comply with 11B-213.3 Plumbing Fixtures and Accessories.**§11B-213.3**
8. Door shall not swing into the clear floor space or clearance required for any fixture. Other than the door to the accessible water closet compartment, a door in any position, may encroach into the turning space by 12 inches maximum.**§11B-603.2.3**
9. At single user toilet or bathing rooms, doors shall be permitted to swing into the clear floor space or clearance required for any fixture only if a 30 inch by 48 inch minimum clear floor space is provided within the room beyond the arc of the door swing. **§11B-603.2.3 exception**
10. Mirrors located above the lavatories or countertops shall be installed within the bottom edge of the reflecting surface 40 inches maximum above the finish floor or ground. Mirrors not located above the lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches maximum above the finish floor or ground. **§11B-603.3**
11. Coat hooks shall be located within one of the reach ranges specified in Section 11B-308. Shelves shall be located 40 inches minimum and 48 inches maximum above the finish floor. Medicine cabinets shall be located with a usable shelf no higher than 44 inches maximum above the finish floor. **§11B-603.4**
12. Where towel or sanitary napkin dispensers, waste receptacles, or other accessories are provided in toilet facilities, at least one of each type shall be located on an accessible route. All operable parts, including coin slots, shall be 40 inches maximum above the finish floor. **§11B-603.5**
13. Toilet and bathing rooms within guest rooms that are not required to provide mobility features complying with Section 11B-806.2 Guest Rooms with Mobility Features shall provide all toilet and bathing fixtures in a location that allows a person using a wheelchair measuring 30 inches by 48 inches to touch the wheelchair to any lavatory, urinal, water closet, tub, sauna, shower stall and any other similar sanitary installation, if provided. **§11B-603.6**

**Water Closets and Toilet Compartments**

1. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 17 inches minimum to 18 inches maximum from the side wall or partition, except that the water closet shall be 17 inches minimum and 19 inches maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in Section 11B-604.8.2 Ambulatory Accessible Compartments. Water closets shall be arranged for a left-hand or right-hand approach. **§11B-604.2**
2. Clearance around a water closet shall be 60 inches minimum measured perpendicular from the side wall and 56 inches minimum measured perpendicular from the rear wall. A minimum 60 inches wide and 48 inches deep maneuvering space shall be provided in front of the water closet. **§11B-604.3.1**
3. The seat height of a water closet above the finish floor shall be 17 inches minimum and 19 inches maximum measured to the top of the seat. Seats shall not be sprung the return to a lifted position. Seats shall be 2 inches high maximum and a 3inch high seat shall be permitted only in alterations where the existing fixture is less than 15 inches high.**§11B-604.4(See exception for Residential Units)**
4. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall. Where separate grab bars are required on adjacent walls at a common mounting height, an L-shaped grab bar meeting the dimensional requirements of Sections 11B-604.5.1 Side Wall and 11B-604.5.2 Rear Wall shall be permitted. **§11B-604.5**
5. The side wall grab bars shall be 42 inches long minimum, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall with the front end positioned 24 inches minimum in front of the water closet. **§11B-604.5.1**
6. The rear grab bar shall be 36 inches long minimum and extend from the centerline of the water closet 12 inches minimum on one side and 24 inches minimum on the other side. **§11B-604.5.2 (See exceptions)**
7. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 11B-309.4 Operation except they shall be located 44 inches maximum above the floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with Section 11B-604.8.2 Ambulatory Accessible Compartments. **§11B-604.6**
8. Toilet paper dispensers shall comply with Section 11B-309.4 Operationand shall be 7 inches minimum and 9 inches maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be below the grab bar, 19 inches minimum above the finish floor and shall not be located behind the grab bars. Dispensers shall not be of a type that control delivery or that does not allow continuous paper flow. **§11B-604.7**
9. Wheelchair accessible toilet compartments shall meet the requirements of Sections 11B-604.8.1 Wheelchair Accessible Compartments and 11B-604.8.3 Coat Hooks and Shelves. Compartments containing more than one plumbing fixture shall comply with Section 11B-603 Toilet and Bathing Rooms. Ambulatory accessible compartments shall comply with Sections 11B-604.8.2 Ambulatory Accessible Compartments and 11B-604.8.3 Coat Hooks and Shelves. **§11B-604.8**
10. Wheelchair accessible compartments shall be 60 inches wide minimum measure perpendicular to the side wall, and 56 inches deep minimum for wall hung water closets and 59 inches deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children’s use shall be 60 inches wide minimum measured perpendicular to the side wall, and 59 inches deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.**§11B-604.8.1.1**
11. In a wheelchair accessible compartment with an in-swing door, a minimum 60 inches wide by 36 inches deep maneuvering space shall be provided in front of the clearance required in Section 11B-604.8.1.1 Wheelchair Accessible Compartment Size. **§11B-604.8.1.1.1, Figures 11B-604.8.1.1.2(b) and 11B-604.8.1.1.3(b)**
12. In a wheelchair accessible compartment with a side-opening door, either in-swinging or out-swinging, a minimum 60 inches wide and 60 inches deep maneuvering space shall be provided in front of the water closet. **§11B-604.8.1.1.2, Figure 11B-604.8.1.1.2**
13. In a wheel chair accessible compartment with end-opening door (facing water closet), either in-swinging or out-swinging, a minimum 60 inches wide and 48 inches deep maneuvering space shall be provided in front of the water closet. **§11B-604.8.1.1.3, Figure 11B-604.8.1.1.3**
14. Toilet compartment doors, including door hardware, shall comply with Section 11B-404 Doors, Doorways, and Gates except that if the approach is from the push side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 48 inches minimum measured perpendicular to the compartment door in its closed position. Door shall be located in front partition or in the side wall or partition farthest from the water closet. **§11B-604.8.1.2**
15. Where toilet compartment doors are located in the front partition, the door opening shall be 4 inches maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches maximum from the front partition and the door shall be self-closing. **§11B-604.8.1.2**
16. A door pull complying with Section 11B-404.2.7 Door and Gate Hardware shall be placed on both sides of the door near the latch. Door shall not swing into the clear floor space or clearance required for any fixture. Doors may swing into that portion of the maneuvering space which does not overlap the clearance required at a water closet. **§11B-604.8.1.2 (See exception)**
17. At least one side partition shall provide a toe clearance of 9 inches minimum above the finish floor and 6 inches deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Partition components at toe clearances shall be smooth without sharp edges or abrasive surfaces. Compartments for children’s use shall provide a toe clearance of 12 inches minimum above the finish floor. **§11B-604.8.1.4**
18. Grab bars shall comply with Section 11B-609 Grab Bars. A side-wall grab bar complying with Section 11B-604.5.1 Side Wall shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with Section 11B-604.5.2 Rear Wall shall be provided. Where separate grab bars are required on adjacent walls at a common mounting height, an L-shaped grab bar meeting the dimensional requirements of Sections 11B-604.5.1 Side Wall and 11B-604.5.2 Rear Wall shall be permitted. **§11B-604.8.1.5**
19. Ambulatory accessible compartments shall have a depth of 35 inches minimum and 37 inches maximum.**§11B-604.8.2.1**
20. Water closets and toilet compartments for children’s use shall comply with Section 11B-604.9 Water Closets and Toilet Compartments for Children’s Use and follow suggested dimensions on Table 11B-604.9.**§11B-604.9**
21. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches maximum above the finish floor or ground. Urinals shall be 13½ inches deep minimum measured from the outer face of the urinal rim to the back of the fixture. **§11B-605.2**
22. A clear floor space or ground space complying with Section 11B-305 Clear Floor or Ground Space positioned for forward approach shall be provided. **§11B-605.3**
23. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 11B-309 Operable Parts except that the flush control shall be mounted at a maximum height of 44 inches above the finish floor. **§11B-605.4**
24. Lavatories and sinks shall comply with Section 11B-606 Lavatories and Sinks.**§11B-606.1**
25. For lavatories and sinks, a clear floor space complying with Section 11B-305 Clear Floor or Ground Surfaces, positioned for a forward approach, and knee and toe clearance complying with Section 11B-306 Knee and Toe Clearance shall be provided. **§11B-606.2**
26. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches maximum above the finish floor or ground. **§11B-606.3**

**BATHTUBS**

1. Show clearance in front of bathtub. Clearance shall extend the length of the bathtub and shall be 48 inches wide minimum for forward approach. **§11B-607.2, Figure 11B-607.2**
2. Show clearance in front of bathtub. Clearance shall extend the length of the bathtub and shall be 30 inches for wide minimum for parallel approach. **§11B-607.2, Figure 11B-607.2**
3. Show clearance that extends 12 inches beyond the wall at the head end of the bathtub where a permanent seat is provided at the head end of the bathtub. **§11B-607.2, Figure 11B-607.2**
4. Provide a permanent seat at the head end of the bathtub or a removable in-tub seat. Seats shall comply with 11B-610 Seats. **§11B-607.3, Figure 11B-607.2**
5. Provide grab bars for bathtubs per section 11B-607.4 Grab Bars. **§11B-607.4, Figures 11B-607.4.1 and 11B-607.4.2**
6. Bathtub control location shall comply with figure 11B-607.5 Controls. **§11B-607.5**
7. A shower spray unit with a hose 59 inches long minimum that can be used as a fixed position or hand held shower shall be provided. **§11B-607.6**
8. Enclosure for bathtubs shall not obstruct controls or transfer from wheelchairs onto bathtub seats or into bathtubs. Enclosures shall not have tracks installed on their rims. **§11B-607.7**

**SHOWER COMPARTMENTS**

1. Showers compartment shall be either:
   1. Standard roll-in type shower compartment:30 inches wide minimum by 60 inches deep minimum with clear inside dimensions measured at center points of opposing sides with a full opening width on the long side. A 36 inch wide minimum by 60 inches long minimum clearance shall be provided adjacent to the open face of the shower compartment.**§11B-608.2.2** or
   2. Alternate roll-in type shower compartment:36 inches wide and 60 inches deep minimum clear inside dimensions measured at center points of opposing sides. A 36 inch wide minimum entry shall be provided at one end of the long side of the compartment. **§11B-608.2.3**
2. Grab bars in showers shall comply with section 11B-608.3 Grab Bars. **§11B-608.3**
3. Provide a folding seat in roll-in type shower. **§11B-608.4**
4. Controls and faucets shall be of a single-lever design and shall comply with section 11B-309.4 Operation. **§11B-608.5**
5. In standard roll-in type shower compartments, show operable parts of controls and faucets shall be installed in on back wall of the compartment adjacent to the seat wall 19 inches minimum and 27 inches maximum from the seat wall; and shall be located above the grab bar, but no higher than 478 inches above the shower floor, with their center line at 39 inches to 41 inches above the shower floor. **§11B-608.5.2**
6. In alternate roll-in type shower compartments, show operable parts of controls and faucets shall be installed on the side wall of the compartment adjacent to the seat wall 19 inches minimum and 27 inches maximum from the seat wall; and shall be located above the grab bar, but no higher than 48 inches above the shower floor, with their centerline at 39 inches to 41 inches above the shower floor. **§11B-608.5.3**
7. A shower spray unit with a hose 59 inches long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. **§11B-608.6**
8. Thresholds in roll-in shower compartments shall be ½ inch high maximum. **§11B-608.7**
9. Enclosures for shower compartments shall not obstruct controls, faucets, and shower spray units or obstruct transfer from wheelchairs onto shower seats. **§11B-608.8**
10. Floor or ground surfaces of showers shall comply with section 11B-302.1 Floor or Ground Surfaces General and shall be sloped 1:48 (2.083%) maximum in any direction. Where drains are provided grate openings shall be ¼ inch maximum and flush with the floor surface. **§11B-608.9**
11. When a soap dish is provided, it shall be located on the control wall at a maximum height of 40 inches above the shower floor, and within reach limits from the seat. **§11B-608.9**

**GRAB BARS**

1. Grab bars with circular cross section in toilet facilities and bathing facilities shall have an outside diameter of 1¼ inches minimum and 2 inches maximum. **§11B-609.2.1**
2. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches maximum and a perimeter dimension of 4 inches minimum and 4.8 inches maximum. **§11B-609.2.2**
3. Space between the wall and the grab bar shall be 1½ inches. The space between the grab bar and projecting objects below and at the ends shall be 1½ inches minimum. The space between the grab bar and projecting objects above shall be 12 inches minimum. **§11B-609.3**
4. Grab bars shall be installed in a horizontal position, 33 inches minimum and 36 inches maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children’s use complying with section 11B-604.9 Water Closets and Toilet Compartments for Children’s Use, grab bars shall be installed in a horizontal position 18 inches minimum and 27 inches maximum above the finish floor measured to the top of the gripping surface. **§11B-609.4**
5. The top of bathtub seats shall be 17 inches minimum and 19 inches maximum above the bathroom finish floor. **§11B-610.2**
6. The depth of a removable in-tub seat shall be 15 inches minimum and 16 inches maximum. **§11B-610.2**
7. Dimension shower seats compliantwith figures 11B-610.3 Extent of Seat, 11B-610.3.1 Rectangular Shower Seat or 11B-610.3.2 L-Shaped Shower Seat. **§11B-610.3, 11B-610.3.1, 11B-610.3.2**

**WASHING MACHINE AND CLOTHES DRYERS**

1. Washing machines and clothes dryer’s operable parts must comply with Section 11B-309 Operable Parts. **§11B-611.3**
2. Top loading machines shall have the door to the laundry compartment located 36 inches maximum above the finish floor. Front loading machines shall have the bottom of the opening to the laundry compartment located 15 inches minim and 36 inches maximum above the finish floor. **§11B-611.4**
3. **COMMUNICATION ELEMENTS AND FEATURES**

**Fire Alarm Systems**

1. Where fire alarm systems provide audible alarm coverage, alarms shall comply with 11B-215 Fire Alarm Systems.**§11B-215.1 (See exception)**
2. Alarms in public use areas and common use areas shall comply with 702 Chapter 9, Section 907.5.2.3.1.**§11B-215.2**
3. Where employee work areas have audible alarm coverage, the wiring system shall be designed so that visible alarms complying with 702 Chapter 9, Section 907.5.2.3.2 can be integrated into the alarm system. **§11B-215.3**
4. Guest rooms required to comply with 11B-224.4 Guest Rooms with Communication Features shall provide alarms complying with 702 Chapter 9, Section 907.5.2.3.3. **§11B-215.4**
5. Where provided in residential dwelling units required to comply with 11B-809.5 Residential Units with Communication Features, alarms shall comply with 702 Chapter 9, Section 907.5.2.3.4. **§11B-215.4**
6. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see “Referenced Standards” in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition). and Chapter 9, Sections 907.5.2.1 and 907.5.2.3. **§11B-702.1**

**Signs**

1. Except building directories, menus, seat and row designations in assembly areas, occupant names, building addresses, and company names and logos, new or altered signs shall be provided in accordance with 11B-216 Signs and shall comply with 11B-703 Signs. The addition of or replacement of signs shall not trigger any additional path of travel requirements.**§11B-216.1**
2. In parking facilities, signs provided solely for the operation of vehicles shall not be required to comply with 11B-216.2 Designations, 11B-216.3 Directional and Informational Signs, and 11B-216.6 through 11B-216.12.
3. Temporary, 7 days or less, signs shall not be required to comply with 11B-216 Signs.
4. In detention and correctional facilities, signs not located in public use areas shall not be required to comply with 11B-216 Signs.
5. Interior and exterior signs identifying permanent rooms and spaces shall comply with 11B-703.1 General, 11B-703.2 Raised Characters, 11B-703.3 Braille and 11B-703.5 Visual Characters. Where pictograms are provided as designations of permanent interior rooms and spaces, the pictograms shall comply with 11B-703.6 Pictograms and shall have text descriptors complying with 11B-703.2 and 11B-703.5.**§11B-216.2 (See exception)**
6. Signs that provide direction to or information about interior and exterior spaces and facilities of the site shall comply with 11B-703.5 Visual Characters.**§11B-216.3**
7. Signs for means of egress shall comply with 11B-216.4 Means of Egress:

a. Signs required by Chapter 10, Section 1011.4 at doors to Doors at exit passageways, exit discharge, and exit stairways shall be identified by tactile signs complying comply with 11B-703.1 General, 11B-703.2Raised Characters, 11B-703.3 Brailleand 11B-703.5 Visual Characters.**§11B-216.4.1**

b. Signs required by section 1003.2.13.5.4 of the International Building Code (2000 edition) or section 1007.6.4 of the International Building Code (2003 edition) (incorporated by reference, see “Referenced Standards” in Chapter 1) Chapter 10, Section 1007.11 to provide instructions in areas of refuge shall comply with 11B-703.5 Visual Characters. Signs required by Chapter 10, Section 1007.9 at doors to areas of refuge and exterior areas for assisted rescue shall comply with 11B-703.1 General, 11B-703.2Raised Characters, 11B-703.3 Braille and 11B-703.5 Visual Characters and include an International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA.**§11B-216.4.2**

c. Signs required by section 1003.2.13.6 of the International Building Code (2000 edition) or section 1007.7 of the International Building Code (2003 edition) (incorporated by reference, see “Referenced Standards” in Chapter 1) Chapter 10, Section 1007.10 to provide directions to accessible means of egress shall comply with 11B-703.5 Visual Characters.**§11B-216.4.3**

d. Signs required by Chapter 10, Section 1008.1.9.7, item 5.1 at doors with delayed egress locks shall comply with 11B-703.1 General, 11B-703.2Raised Characters, 11B-703.3 Braille and 11B-703.5 Visual Characters.**§11B-216.4.4**

1. Parking spaces complying with 11B-502 Parking Spaces shall be identified by signs complying with 11B-502.6 Identification.**§11B-216.5**
2. In residential facilities, where parking spaces are assigned to specific residential dwelling units, identification of accessible parking spaces shall not be required.
3. In existing buildings and facilities where not all entrances comply with 11B-404 Doors, Doorways, and Gates, compliant entrances shall be identified by the International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA. Directional signs complying with 11B-703.5 Visual Characters that indicate the location of the nearest entrance complying with 11B-404 shall be provided at entrances that do not comply with 11B-404 Doors, Doorways, and Gates. Directional signs complying with 11B-703.5 Visual Characters, including the ISA complying with 11B-703.7.2.1 ISA, indicating the accessible route to the nearest accessible entrance shall be provided at junctions when the accessible route diverges from the regular circulation path.**§11B-216.6 (See exceptions)**
4. Where existing elevators do not comply with 11B-407 Elevators, compliant elevators shall be clearly identified with the International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA. Existing buildings that have been remodeled to provide specific elevators for public use that comply with these building standards shall have the location of and the directions to these elevators posted in the building lobby on a sign complying with 11B-703.5 Visual Characters, including the ISA complying with 11B-703.7.2.1 ISA.**§11B-216.7**
5. Doorways leading to toilet rooms and bathing rooms complying with 11B-603 Toilet and Bathing Rooms shall be identified by a geometric symbol complying with 11B-703.7.2.6 Toilet and Bathing Room Geometric Symbols. Where existing toilet rooms or bathing rooms do not comply with 11B-603Toilet and Bathing Rooms, directional signs indicating the location of the nearest compliant toilet room or bathing room within the facility shall be provided. Signs shall comply with 11B-703.5 Visual Characters and shall include the International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA. **§11B-216.8**
6. Where existing toilet rooms or bathing rooms do not comply with 11B-603 Toilet and Bathing Rooms, the toilet rooms or bathing rooms complying with 11B-603 Toilet and Bathing Rooms shall be identified by the International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA. **§11B-216.8**
7. Where clustered single user toilet rooms or bathing facilities are permitted to use exceptions to 11B-213.2 Toilet and Bathing Rooms, toilet rooms or bathing facilities complying with 11B-603 Toilet and Bathing Roomsshall be identified by the International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA unless all toilet rooms and bathing facilities comply with 11B-603 Toilet and Bathing Rooms. **§11B-216.8**
8. Existing buildings that have been remodeled to provide specific toilet rooms or bathing rooms for public use that comply with these building standards shall have the location of and the directions to these rooms posted in or near the building lobby or entrance on a sign complying with 11B-703.5 Visual Characters, including the International Symbol of Accessibility (ISA) complying with 11B-703.7.2.1 ISA.**§11B-216.8**
9. Identification and directional signs for public TTYs shall be provided in accordance with 11B-216.9 TTYs.**§11B-216.9**
10. Public TTYs shall be identified by the International Symbol of TTY complying with 11B-703.7.2.2 International Symbol of TTY.**§11B-216.9.1**
11. Directional signs indicating the location of the nearest public TTY shall be provided at all banks of public pay telephones not containing a public TTY. In addition, where signs provide direction to public pay telephones, they shall also provide direction to public TTYs. If a facility has no banks of telephones, the directional signage shall be provided at the entrance or in a building directory. Directional signs shall comply with 11B-703.5 and shall include the International Symbol of TTY complying with 11B-703.7.2.2.**§11B-216.9.2**
12. Each assembly area required by 11B-219 Assistive Listening Systems to provide assistive listening systems shall provide signs informing patrons of the availability of the assistive listening system. The sign shall include wording that states “Assistive-Listening System Available” and shall be posted in a prominent place at or near the assembly area entrance. Assistive listening signs shall comply with 11B-703.5 Visual Characters and shall include the International Symbol of Access for Hearing Loss complying with 11B-703.7.2.4 Assistive Listening Systems.**§11B-216.10 (See exception)**
13. Where more than one check-out aisle is provided, check-out aisles complying with 11B-904.3 Check-Out Aisles shall be identified by a sign complying with 11B-904.3.4 Identification Sign. Where check-out aisles are identified by numbers, letters, or functions, signs identifying check-out aisles complying with 11B-904.3 Check-Out Aisles shall be located in the same location as the check-out aisle identification.**§11B-216.11 (See exception)**
14. Signs identifying the type of access provided on amusement rides shall be provided at entries to queues and waiting lines. In addition, where accessible unload areas also serve as accessible load areas, signs indicating the location of the accessible load and unload areas shall be provided at entries to queues and waiting lines. Signs shall comply with 11B-703.5 Visual Characters and shall include the International Symbol of Accessibility complying with 11B-703.7.2.1 ISA.**§11B-216.12**
15. Where Cleaner Air Symbols are provided, they shall comply with 11B-216.13Cleaner Air Symbol.
16. Signs shall comply with 11B-703 Signs. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.**§11B-703.1**
17. Signs as specified in Section 11B-703 Signs, or in other sections of this code, when included in the construction of new buildings or facilities, or when included, altered or replaced due to additions, alterations or renovations to existing buildings or facilities, and when a permit is required, shall comply with 11B-703.1.1.1 Plan Review and 11B-703.1.1.2 Inspection.**§11B-703.1.1**
18. Plans, specifications or other information indicating compliance with these regulations shall be submitted to the enforcing agency for review and approval.**§11B-703.1.1.1**
19. Signs and identification devices shall be field inspected afterinstallation and approved by the enforcing agency prior to the issuance of a final certificate of occupancy per Chapter 1, Division II, Section 111, or final approval where no certificate of occupancy is issued. The inspection shall include, but not be limited to, verification that Braille dots and cells are properly spaced and the size, proportion and type of raised characters are in compliance with these regulations.**§11B-703.1.1.2**
20. Raised characters shall comply with 11B-703.2 Raised Characters and shall be duplicated in Braille complying with 11B-703.3Braille. Raised characters shall be installed in accordance with 11B-703.4 Installation Height and Location.**§11B-703.2**
21. Raised characters shall be 1/32 inch minimum above their background.**§11B-703.2.1**
22. Characters shall be uppercase.**§11B-703.2.2**
23. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.**§11B-703.2.3**
24. Characters shall be selected from fonts where the width of the uppercase letter “O” is 55 60 percent minimum and 110 percent maximum of the height of the uppercase letter “I”.**§11B-703.2.4**
25. Character height measured vertically from the baseline of the character shall be 5/8 inch minimum and 2 inches maximum based on the height of the uppercase letter “I”.**§11B-703.2.5**
26. Stroke thickness of the uppercase letter “I” shall be 15 percent maximum of the height of the character.**§11B-703.2.6**
27. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch minimum.**§11B-703.2.7**
28. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.**§11B-703.2.8**
29. Text shall be in a horizontal format.**§11B-703.2.9**
30. Braille shall be contracted (Grade 2) and shall comply with 11B-703.3 Braille and 11B-703.4 Installation Height and Location.**§11B-703.3**
31. Braille dots shall have a domed or rounded shape and shall comply with Table 11B-703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.**§11B-703.3.1**
32. Braille shall be positioned below the corresponding text in a horizontal format, flush left or centered. If text is multi-lined, Braille shall be placed below the entire text. Braille shall be separated 3/8 inch minimum and 1/2 inch maximum from any other tactile characters and 3/8 inch minimum from raised borders and decorative elements.**§11B-703.3.2 (See exception)**
33. Signs with tactile characters shall comply with 11B-703.4 Installation Height and Location. **§11B-703.4**
34. Tactile characters on signs shall be located 48 inches minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character Braille cells and 60 inches maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character line of raised characters.**§11B-703.4.1 (See exception)**
35. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches minimum by 18 inchesminimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position. Where permanent identification signage is provided for rooms and spaces they shall be located on the approach side of the door as one enters the room or space. Signs that identify exits shall be located on the approach side of the door as one exits the room or space.**11B-703.4.2 (See exception)**
36. Visual characters shall comply with the following, except where visual characters comply with 11B-703.2 Raised Characters and are accompanied by Braille complying with 11B-703.3 Braille, they shall not be required to comply with 11B-703.5.2 through 11B-703.5.6, 11B-703.5.8 and 11B-703.5.9:
    1. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.**§11B-703.5.1**
    2. Characters shall be uppercase or lowercase or a combination of both.**§11B-703.5.2**
    3. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.**§11B-703.5.3**
    4. Characters shall be selected from fonts where the width of the uppercase letter “O” is 55 60 percent minimum and 110 percent maximum of the height of the uppercase letter “I”.**§11B-703.5.4**
    5. Minimum character height shall comply with Table 11B-703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter “I”.**§11B-703.5.5 (See exception)**
    6. Visual characters shall be 40 inches minimum above the finish floor or ground.**§11B-703.5.6 (See exceptions)**
    7. Stroke thickness of the uppercase letter “I” shall be 10 percent minimum and 20 percent maximum of the height of the character.**§11B-703.5.7**
    8. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.**§11B-703.5.8**
    9. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.**§11B-703.5.9**
    10. Text shall be in a horizontal format. **§11B-703.5.10**
37. Pictograms shall comply with the following:
38. Pictograms shall have a field height of 6 inches minimum. Characters and Braille shall not be located in the pictogram field.**§11B-703.6.1**
39. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.**§11B-703.6.2**
40. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 11B-703.2 Raised Characters, 11B-703.3 Braille and 11B-703.4Installation Height and Location.**§11B-703.6.3**
41. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.**§11B-703.7.1**
42. Symbols shall comply with the following:
43. The International Symbol of Accessibility shall comply with Figure 11B-703.7.2.1 ISA. The symbol shall consist of a white figure on a blue background. The blue shall be Color No. 15090 in Federal Standard 595B.**§11B-703.7.2.1 (See exception)**
44. The International Symbol of TTY shall comply with Figure 11B-703.7.2.2.
45. Telephones with a volume control shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field such as shown in Figure 11B-703.7.2.3.
46. Assistive listening systems shall be identified by the International Symbol of Access for Hearing Loss complying with Figure 11B-703.7.2.4.
47. Rooms, facilities and paths of travel that are accessible to and usable by people who are adversely impacted by airborne chemicals or particulate(s) and/or the use of electrical fixtures and/or devices shall be identified by the Cleaner Air Symbol complying with Figure 11B-703.7.2.5. This symbol is to be used strictly for publicly funded facilities or any facilities leased or rented by state of California, not concessionaires.

The symbol, which shall include the text “Cleaner Air” as shown, shall be displayed either as a negative or positive image within a square that is a minimum of 6 inches on each side. The symbol may be shown in black and white or in color. When color is used, it shall be Federal Blue (Color No. 15090 Federal Standard 595B) on white, or white on Federal Blue. There shall be at least a 70-percent color contrast between the background of the sign from the surface that it is mounted on. **§11B-703.7.2.5**

1. Doorways leading to toilet rooms and bathing rooms shall be identified by a geometric symbol complying with 11B-703.7.2.6 Toilet and Bathing Facilities Geometric Symbols. The symbol shall be mounted at 58 inches minimum and 60 inches maximum above the finish floor or ground surface measured from the centerline of the symbol. Where a door is provided the symbol shall be mounted within 1 inch of the vertical centerline of the door.**§11B-703.7.2.6 (See exception)**
2. Men’s toilet and bathing facilities shall be identified by an equilateral triangle, ¼ inch thick with edges 12 inches long and a vertex pointing upward. The triangle symbol shall contrast with the door, either light on a dark background or dark on a light background.**§11B-703.7.2.6.1**
3. Women’s toilet and bathing facilities shall be identified by a circle, ¼ inch thick and 12 inches in diameter. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background.**§11B-703.7.2.6.2**
4. Unisex toilet and bathing facilities shall be identified by a circle, ¼ inch thick and 12 inches in diameter with a ¼ inch thick triangle with a vertex pointing upward superimposed on the circle and within the 12-inch diameter. The triangle symbol shall contrast with the circle symbol, either light on a dark background or dark on a light background. The circle symbol shall contrast with the door, either light on a dark background or dark on a light background.**§11B-703.7.2.6.3**
5. Edges of signs shall be rounded, chamfered or eased. Corners of signs shall have a minimum radius of ⅛ inch.**§11B-703.7.2.6.4**
6. Pole-supported pedestrian traffic-control buttons shall be identified with color coding consisting of a textured horizontal yellow band 2 inches in width encircling the pole, and a 1-inch-wide dark border band above and below this yellow band. Color coding shall be placed immediately above the control button. Control buttons shall be located no higher than 48 inches above the ground surface adjacent to the pole.**§11B-703.7.2**

**Telephones**

1. Where coin-operated public pay telephones, coinless public pay telephones, public closed-circuit telephones, public courtesy phones, or other types of public telephones are provided, public telephones shall be provided in accordance with 11B-217 Telephones for each type of public telephone provided. For purposes of this section, a bank of telephones shall be considered to be two or more adjacent telephones.**§11B-217.1**
2. Except drive-up only public telephones, where public telephones are provided, wheelchair accessible telephones complying with 11B-704.2 shall be provided in accordance with Table 11B-217.2.**§11B-217.2**
3. Provide (\_\_\_\_\_\_) wheelchair accessible telephones in accordance with Table 11B-217.2.
4. All public telephones shall have volume controls complying with 11B-704.3.**§11B-217.3**
5. TTYs complying with 11B-704.4 shall be provided in accordance with 11B-217.4.
6. Where a bank of telephones in the interior of a building consists of three or more public pay telephones, at least one public pay telephone at the bank shall be provided with a shelf and an electrical outlet in accordance with 11B-704.5. **§11B-217.5 (See exceptions)**

**Assistive Listening Systems**

1. Assistive listening systems shall be provided in assembly areas, including conference and meeting rooms, used for the purpose of entertainment, educational or civic gatherings, or similar purposes. **§202, §11B-219.2**

Note: Assembly areas include, but are not limited to, classrooms, lecture halls, courtrooms, public meeting rooms, public hearing rooms, legislative chambers, motion picture houses, auditoria, theaters, playhouses, dinner theaters, concert halls, centers for the performing arts, amphitheaters, arenas, stadiums, grandstands, or convention centers. **§202, §11B-219.2**

1. Assistive listening system shall provide an amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of induction loop, radio frequency, infrared, or direct-wired equipment. **§202**
2. Provide (­\_\_\_\_\_\_) assistive listening systems.A minimum number of receivers equal to 4 percent of the total number of seats, but in no case less than two. **§11B-219.3**
3. Where a building contains more than one assembly area under one management, the total number of required receivers may be calculated using the total number of seats in the assembly areas provided that all receivers are usable with all systems. **§11B-219.3 (See exceptions)**
4. Twenty-five percent minimum of receivers provided for assistive listening systems, but no fewer than two, shall be hearing-aid compatible with except when all seats in an assembly area are served by means of an induction loop. **§11B-219.3**
5. When assistive-listening systems are limited to specific areas or seats, such areas or seats shall be within a 50-foot viewing distance of the stage or playing area and shall have a complete view of the stage or playing area. **§11B-219.4**
6. Permanently installed assistive-listening systems are required in areas if (1) they have fixed seating and (2a) they accommodate at least 50 persons or (2b) they have audio-amplification systems, except those used exclusively for paging and/or background music. **§11B-219.2, §11B-219.5**
7. Portable assistive-listening systems may serve more than one conference or meeting rooms if an adequate number of electrical outlets or other supplementary wiring is provided and permanently installed systems are not required. **§11B-219.5**
8. Receivers required for use with an assistive listening system shall include a 1/8 inch standard mono jack.**§11B-706.2**
9. Receivers required to be hearing-aid compatible shall interface with telecoils in hearing aids through the provision of neckloops.**§11B-706.3**
10. Assistive listening systems shall be capable of providing a sound pressure level from 110 – 118 dB with a dynamic range on the volume control of 50 dB.**§11B-706.4**
11. Signal-to-noise ratio for internally generated noise in assistive listening systems shall be 18 dB minimum.**§11B-706.5**
12. Peak clipping shall not exceed 18 dB of clipping relative to the peaks of speech.**§11B-706.6**

**Automatic Teller Machines, Fare Machines and Point-of-Sale Devices**

1. Electronic information processing devices that accept or dispense cash in connection with a credit, deposit or convenience account shall comply with the requirements for Automatic Teller Machines (ATMs). **§202, §11B-220.1**
2. Devices used for the purchase of goods or services that require a personal identification number (PIN), zip code or signature shall comply with the requirements for Point-of-Sale Devices (POS). **§202, §11B-220.2**
3. All automatic teller machines, fare machines and point-of-sale devices shall display characters in a sans serif font. Characters shall be at least 3/16 inch high based on the uppercase letter "I". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.**§11B-220, §11B-707.7.2**
4. Walk-up automatic teller machines, fare machines and point-of-sale devices shall comply with all requirements of Sections 11B-305 Clear Floor or Ground Space and 11B-309 Operable Parts. Each operable part shall be able to be differentiated by sound or touch, without activation, unless a clear or correct key is provided.**§11B-220,11B-707**
5. Where two or more walk-up point-of-sale devicesare installed for use with a specific type of motor fuel, at least two for that fuel type shall comply with all requirements of Sections 11B-305 Clear Floor or Ground Space and 11B-309 Operable Parts. Fuel types include, but are not limited to, gasoline, diesel, compressed natural gas, methanol, ethanol or electricity. **§11B-220.2**
6. Drive-up only automatic teller machines, fare machines and point-of-sale devices shall be operable with one hand without requiring tight grasping, pinching, or twisting of the wrist and use no more than 5 pounds to activate operable parts. Each operable part shall be able to be differentiated by sound or touch, without activation, unless a clear or correct key is provided. **§11B-707.3**
7. Point-of-sale devices when provided at check stands and sales and service counters and all automatic teller machines shall provide the opportunity for the same degree of privacy of input and output available to all individuals. **§11B-707.4, §11B-707.9.2**
8. Where bins are provided for envelopes, waste paper, or other purposes to serve automatic teller and fare machines, at least one of each type shall comply with the requirements for clear floor space, height and operable parts in Section 11B-811 Storage. **§11B-220.1**
9. Automatic teller and fare machines shall be speech enabled. Speech shall be delivered through a mechanism that is readily available to all users, including but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized. **§11B-707.5**
10. For automatic teller and fare machines, operating instructions and orientation, visible transaction prompts, user input verification, error messages, and all displayed information for full use shall be accessible to and independently usable by individuals with vision impairments.**§11B-707.5**
11. Speech on automatic teller and fare machines shall be capable of being repeated or interrupted. Speech output for any single function may be automatically interrupted when a transaction is selected.Volume control shall be provided for the speech function. **§11B-707.5.1**
12. Speech output devices on automatic teller and fare machines that provide receipts shall provide audible balance inquiry information, error messages, and all other information on the printed receipt necessary to complete or verify the transaction unless otherwise exempted.**§11B-707.5.2**
13. Speech output devices on automatic teller and fare machines that provide receipts shall not require the following to be audible: machine location, date and time of transaction, customer account number, and the machine identifier; information on printed receipts that duplicates information available on-screen; and printed copies of bank statements and checks.**§11B-707.5.**2
14. Automatic teller and fare machines shall provide at least one tactilely discernible input control for each function. Where provided, key surfaces not on active areas of display screens, shall be raised above surrounding surfaces. Where membrane keys are the only method of input, each shall be tactilely discernible from surrounding surfaces and adjacent keys. **§11B-707.6.1**
15. Numeric keys on automatic teller and fare machines shall be arranged in a 12-key ascending or descending telephone keypad layout. The number five key shall be tactilely distinct from the other keys. **§11B-707.6.2**
16. Function keys on automatic teller and fare machines shall contrast visually from background surfaces. Characters and symbols on key surfaces shall contrast visually from key surfaces. Visual contrast shall be either light-on-dark or dark-on-light except for tactile symbols. **§11B-707.6.3.1**
17. Function key surfaces on automatic teller and fare machines shall have tactile symbols as follows: Enter or Proceed key: raised circle; Clear or Correct key: raised left arrow; Cancel key: raised letter ex; Add Value key: raised plus sign; Decrease Value key: raised minus sign. **§11B-707.6.3**
18. At least 50 percent of walk-up automatic teller or fare machines shall have display screens that are visible from a point located 40 inches above the center of the clear floor space in front of the machine.**§11B-707.7.1**
19. Where display screens for automatic teller or fare machines are mounted vertically or no more than 30 degrees tipped away from the viewer, the center line of the display screen and other display devices shall be no more than 52 inches above the floor or ground surface.**§11B-707.7.1.1**
20. Where display screens for automatic teller or fare machines are mounted between 30 degrees and 60 degrees tipped away from the viewer, the center line of the display screen and other display devices shall be no more than 44 inches above the floor or ground surface.**§11B-707.7.1.2**
21. Where display screens for automatic teller or fare machines are mounted no less than 60 degrees and no more than 90 degrees (horizontal) tipped away from the viewer, the center line of the display screen and other display devices shall be no more than 34 inches above the floor or ground surface. **§11B-707.7.1.3**
22. Automatic teller and fare machines shall have instructions for initiating the speech mode provided in Contracted (Grade 2) Braille. Braille dots shall have a domed or rounded shape and shall comply with the Braille Dimension requirements of Table 11B-703.3.1. Braille uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.**§11B-707.8**
23. Point-of-sale systems that include a video touch screen or any other non-tactile keypad shall be equipped with a tactilely discernible numerical keypad, radio frequency identification device, fingerprint biometrics or other accessible equivalent technology.**§11B-220.2, §11B-707.9**
24. Point-of-sale systems that include a video touch screen or any other non-tactile keypad shall enable a visually impaired person to enter his or her own personal identification number or any other personal information necessary to process the transaction in a manner that provides the opportunity for the same degree of privacy input and output available to all individuals.**§11B-220.2, §11B-707.9**
25. Tactilely discernible numerical keypadson point-of-sale systems shall be similar to a telephone keypads containing a raised dot on the number 5 key with a dot base diameter from 1.5 to 1.6 mm and a height from 0.6 to 0.9 mm. **§11B-707.9.1.1**

**Two-Way Communication Systems**

1. Two-way communication systems that are provided to gain admittance to a building or facility or to restricted areas within a building or facility shall provide both audible and visual signals. Handset cords, if provided, shall be 29 inches long minimum. **§11B-230.1, §11B-708**
2. Common use or public use system interface of communications systems between a residential dwelling unit and a site, building, or floor entrance shall include the capability of supporting voice and TTY communication with the residential dwelling unit interface. **§11B-708.4.1**
3. Residential dwelling unit system interface of communications systems between a residential dwelling unit and a site, building, or floor entrance shall include a telephone jack capable of supporting voice and TTY communication with the common use or public use system interface. **§11B-708.4.2**
4. **SPECIAL ROOMS, SPACES, AND ELEMENTS**

**ASSEMBLY AREAS**

1. Assembly areas shall provide wheelchair spaces, companion seats, designated aisle seats and semi-ambulant seats complying with 11B-221 and 11B-802. **§11B-221.1**
2. Lawn seating areas and exterior overflow seating areas, where fixed seats are not provided, shall connect to an accessible route. **§11B-221.5**
3. Provide ()wheelchair spaces for (total number- ) of seat provided.**Table §11B-221.2.1**
4. In each luxury box, club box, and suite within arenas, stadiums, and grandstands, wheelchair spaces shall be provided in accordance with Table 11B-221.2.1.1. **§11B-221.2.1.2**
5. In other boxes, the total number of wheelchair spaces required shall be determined in accordance with Table 11B-221.2.1.1. Wheelchair spaces shall be located in not less than 20 percent of all boxes provided. **§11B-221.2.1.3**
6. At least one wheelchair space shall be provided in team or player seating areas serving areas of sport activity. **§11B-221.2.1.4**
7. In stadium-style movie theaters, the total number of wheelchair spaces required shall be per Table 11B-221.2.1.1. The required wheelchair spaces shall be located on risers or cross-aisles in the stadium section that satisfy at least one of the following criteria: **§11B-221.2.1.5**
   1. Located within the rear 60% of the seats provided in the theater; or
   2. Located within the area of the theater in which the vertical viewing angles (as measured to the top of the screen) are from the 40th to the 100th percentile of vertical viewing angles for all seats as ranked from the seats in the first row (1st percentile) to seats in the back row (100th percentile).
8. Wheelchair spaces shall be provided in each specialty seating area that provides spectators with distinct services or amenities that generally are not available to other spectators. The number of wheelchair spaces provided in specialty seating areas shall be included in, rather than be in addition to, the total number of wheelchair spaces required by Table 11B-221.2.1.1. **§11B-221.2.1.6**
9. Wheelchair spaces shall be an integral part of the seating plan.**§11B-221.2.2**
10. Wheelchair spaces shall provide lines of sight complying with 11B-802.2 Lines of Sight and be dispersed horizontally and vertically. **§11B-221.2.3**
11. Provide section(s) to show that lines of sight to the screen, performance area, or playing field for spectators in wheelchair spaces comply with 11B-802.2 Lines of Sight.
12. At least one companion seat complying with 11B-802.3 Companion Seats shall be provided for each wheelchair space required by 11B-221.2.1 Number and Location. **§11B-221.3**
13. In row seating, companion seats shall be located to provide shoulder alignment with adjacent wheelchair spaces. **§11B-802.3.1**
14. Companion seats shall be equivalent in size, quality, comfort, and amenities to the seating in the immediate area. Companion seats shall be permitted to be moveable. **§11B-802.3.2**
15. At least 5 percent of the total number of aisle seats provided shall comply with the following and shall be the aisle seats located closest to accessible routes. **§11B-221.4**
    1. Where armrests are provided on seating in the area, show folding or retractable armrests on the aisle side of designated aisle seats. **§11B-802.4.1**
    2. Each designated aisle seat shall be identified by the International Symbol of Accessibility sign
    3. Signage shall be posted at the ticket office notifying patrons of their availability. **§11B-802.4.2**
16. At least 1 percent of the total number of seats, and no fewer than two, shall be semi-ambulant seats with at least 24 inches clear leg space between the front of the seat to the nearest obstruction or the back of the seat in front. **§11B-221.6 & §11B-802.5**

**DRESSING, FITTING, AND LOCKER ROOMS**

1. Where dressing rooms, fitting rooms, or locker rooms are provided, at least 5 percent, but no fewer than one, of each type of use in each cluster provided shall comply with the following: **§11B-222.1 and §11B-803**
   1. A 60 inch diameter circular turning space or a t-shaped turning space complying with 11B-304.3.2 T-Shaped Spaces shall be provided within the room.
   2. Doors shall not swing into the room unless a turning space is provided beyond the arc of the door swing.
   3. A bench complying with 11B-903 Benches shall be provided within the room. The bench seat shall be 48 inch minimum long, 20 to 24 inch deep, and a clear floor space complying with 11B-305 Clear Floor or Ground Space shall be provided at the end of the bench seat and parallel to the short axis of the bench. The bench shall provide for back support or shall be affixed to a wall along its long dimension. The top of the bench seat shall be 17 to 19 inches above the finish floor. Benches shall be affixed to the wall or floor. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds is applied at any point on the seat, fastener, mounting device, or supporting structure.
   4. Coat hooks shall be no higher than 48 inches from the floor and shall not be located above the bench or other seating in the room.
   5. Shelves shall be 40 inches minimum and 48 inches maximum above the finish floor or ground.
   6. Full-length mirrors, at least 18 inches wide by 54 inches high, shall be installed with the bottom edge of the reflecting surface 20 inches maximum above the finish floor. Mirrors shall be mounted in a position affording a view to a person on the bench as well as to a person in a standing position.

**Kitchens, Kitchenettes AND Wet Bars**

1. Dimension 40 inch minimum clearance between counters, appliances, or cabinets in pass through kitchens. Pass through kitchens shall have two entries.**§11B-804.2.1**
2. Dimension 60 inch minimum clearance between opposing base cabinets, counter tops, appliances, or walls in U-shaped kitchens. **§11B-804.2.2**
3. In residential dwelling units required to comply with 11B-809 Residential Dwelling Units, at least one 30 inch wide minimum section of counter shall provide a kitchen work surface that complies with the following:**§11B-804.3**
   1. A 30 inch wide by 48 inch deep forward approach clear floor space shall be provided. The clear floor space shall be centered on the kitchen work surface and shall provide knee and toe clearance complying with 11B-306 Knee and Toe Clearance.

EXCEPTION: Cabinetry shall be permitted provided all of the following are met:

* + 1. the cabinetry can be removed without removal or replacement of the kitchen work surface;
    2. the finish floor extends under the cabinetry; and
    3. the walls behind and surrounding the cabinetry are finished.
  1. The kitchen work surface shall be 34 inches maximum above the finish floor or ground.

EXCEPTION:A counter that is adjustable to provide a kitchen work surface at variable heights, 29 inches minimum and 36 inches maximum, shall be permitted.

* 1. There shall be no sharp or abrasive surfaces under the work surface counters.

1. Sinks shall comply with 11B-606 Lavatories and Sinks.**§11B-804.4**
2. At least 50 percent of shelf space in storage facilities shall comply with 11B-811 Storage.**§11B-804.5**
3. Kitchen appliances shall comply with the following:**§11B-804.6**
4. A clear floor or ground space complying with 11B-305 Clear Floor or Ground space shall be provided at each kitchen appliance. Clear floor or ground spaces shall be permitted to overlap.
5. All appliance controls shall comply with 11B-309 Operable Parts. (See exceptions)
6. Clear floor or ground space shall be positioned adjacent to the dishwasher door. The dishwasher door, in the open position, shall not obstruct the clear floor or ground space for the dishwasher or the sink.
7. At the range or cooktop, where a forward approach is provided, the clear floor or ground space shall provide knee and toe clearance complying with 11B-306. Where knee and toe space is provided, the underside of the range or cooktop shall be insulated or otherwise configured to prevent burns, abrasions, or electrical shock. The location of controls shall not require reaching across burners.
8. Ovens shall comply with the following:
   * 1. Side-hinged door ovens shall have the work surface required by 11B-804.3 Kitchen and Work Surfaces positioned adjacent to the latch side of the oven door.
     2. Bottom-hinged door ovens shall have the work surface required by 11B-804.3 Kitchen and Work Surfaces positioned adjacent to one side of the door.
     3. Ovens shall have controls on front panels.
9. Combination refrigerators and freezers shall have at least 50 percent of the freezer space 54 inches maximum above the finish floor or ground. The clear floor or ground space shall be positioned for a parallel approach to the space dedicated to a refrigerator/freezer with the centerline of the clear floor or ground space offset 24 inches maximum from the centerline of the dedicated space.

**MEDICAL CARE AND LONG-TERM CARE FACILITIES**

1. In licensed medical care facilities and licensed long-term care facilities where the period of stay exceeds twenty-four hours, patient bedrooms or resident sleeping rooms shall be provided in accordance with 11B-223 and 11B-805 Medical Care and Long-Term Care Facilities. **§11B-223.1**
2. Hospitals, rehabilitation facilities, psychiatric facilities and detoxification facilities shall comply with the following: **§11B-223.2**
   1. In facilities not specializing in treating conditions that affect mobility, including hospitals, psychiatric and detoxification facilities, at least 10 percent, but no fewer than one, of the patient bedrooms or resident sleeping rooms shall provide mobility features complying with 11B-805Medical Care and Long-Term Care Facilities. Accessible patient bedrooms or resident sleeping rooms shall be dispersed in a manner that is proportionate by type of medical specialty.
   2. In facilities specializing in treating conditions that affect mobility, 100 percent of the patient bedrooms shall provide mobility features complying with 11B-805Medical Care and Long-Term Care Facilities.
   3. Where physician or staff on-call sleeping rooms are provided, at least 10 percent, but no fewer than one, of the on-call rooms shall provide mobility features complying with 11B-806.2.3 Sleeping Areas, 11B-806.2.4 Toilet and Bathing Facilities and 11B-806.2.6 Turning Space.
3. In licensed long-term care facilities, including skilled nursing facilities, intermediate care facilities and nursing homes, at least 50 percent, but no fewer than one, of each type of patient bedroom or resident sleeping room shall provide mobility features complying with 11B-805Medical Care and Long-Term Care Facilities. **§11B-223.3**
4. Professional offices of health care providers shall comply with 11B-805Medical Care and Long-Term Care Facilities. **§11B-223.4**
5. All common use spaces and public use spaces in medical care facilities and long-term care facilities shall comply with Chapter 11B.
6. Patient bedrooms and resident sleeping rooms required to provide mobility features shall comply with the following: **§11B-805.2**
7. Hand washing fixtures shall comply with 11B-606 Lavatories and Sinks.
8. A 36 inch minimum wide clear space shall be provided along the full length of each side of the beds.
9. Turning space complying with 11B-304 Turning Space shall be provided within the room.
10. Toilet and bathing rooms that are provided as part of patient bedrooms and resident sleeping rooms complying with 11B-223.2 or 11B-223.3 shall comply with 11B-603. Where provided, one water closet, one lavatory, and one bathtub or shower shall comply with the applicable requirements of 11B-603 through 11B-610.
11. Where seating is provided in waiting rooms, at least 5 percent of the seating shall be wheelchair spaces complying with 11B-802.1 Wheelchair Spaces or 10 percent in waiting rooms serving facilities specializing in treating conditions that affect mobility.**§11B-805.3**
12. Examination, diagnostic and treatment rooms shall comply with the following:**§11B-805.4**
13. A 36 inch minimum wide clear space shall be provided along the full length of each side of beds, exam tables, procedure tables, gurneys and lounge chairs. General exam rooms in non-emergency settings may provide clear space on only one side of beds, gurneys and exam tables.
14. Clear space complying with 11B-305.2 Floor or Ground Surfaces shall be provided as required for specific equipment.
15. Turning space complying with 11B-304 Turning Space shall be provided within the room.
16. Areas where patients change or are prepared for a procedure shall comply with the requirements of 11B-222Dressing, Fitting, and Locker Rooms.**§11B-805.5**
17. All hand washing fixtures, lavatories and sinks shall comply with 11B-606 Lavatories and Sinks.**§11B-805.6**
18. Built-in cabinets, counters and work surfaces shall be accessible, including: patient wardrobes, nurse’s stations, administrative centers, reception desks, medicine preparation areas, laboratory work stations, equipment consoles, clean and soiled utility cabinets, and storage areas; and shall comply with 11B-225 Storage and 11B-902 Dining Surfaces and Work Surfaces.

**TRANSIENT LODGING GUEST ROOMS**

1. Hotels, motels, inns, dormitories, resorts and similar transient lodging facilities shall provide guest rooms complying with the following requirements:
   1. Where guest rooms are altered or added, the requirements of 11B-224 Transient Lodging Guest Rooms shall apply only to the guest rooms being altered or added until the number of guest rooms complies with the minimum number required for new construction.
   2. Entrances, doors, and doorways providing user passage into and within guest rooms that are not required to provide mobility features complying with 11B-806.2 Guest Rooms with Mobility Features shall comply with 11B-404.2.3 Clear Width. Bathrooms doors shall be either sliding or hung to swing in the direction of egress from the bathroom.
   3. Accessible guest rooms or suites shall be dispersed among the various classes of sleeping accommodations to provide a range of options applicable to room sizes, costs, and amenities provided.
   4. Housing at a place of education subject to this section shall comply with 11B-224 and 11B-806 Transient Lodging Guest Rooms. **§11B-224.1.4**
   5. Group homes, halfway houses, shelters, or similar social service center establishments that provide either temporary sleeping accommodations or residential dwelling units subject to this section shall comply with this chapter. **§11B-224.1.5**
      1. In sleeping rooms with more than twenty-five beds, a minimum of 5 percent of the beds shall have clear floor space complying with 11B-806.2.3 Sleeping Areas.
      2. Facilities with more than fifty beds that provide common use bathing facilities, shall provide at least one roll-in shower with a seat that complies with 11B-608 Shower Compartments. When separate shower facilities are provided for men and women, at least one roll-in shower shall be provided for each group.
   6. Where toilet and bathing rooms are provided in guest rooms that are not required to provide mobility features complying with 11B-806.2Guest Rooms with Mobility Features, toilet and bathing fixtures shall only be required to comply with 11B-603.6 Guest Room Toilet and Bathing Rooms.
2. In transient lodging facilities, provide guest rooms with mobility features complying with 11B-806.2 Guest Rooms with Mobility Features in the number required per Table 11B-224.2. Comply with the following:**§11B-224.2**
3. Facilities that are subject to the same permit application on a common site that each have 50 or fewer guest rooms may be combined for the purposes of determining the required number of accessible rooms and type of accessible bathing facility.
4. Facilities with more than 50 guest rooms shall be treated separately for the purposes of determining the required number of accessible rooms and type of accessible bathing facility.
5. In guest rooms having more than 25 beds, 5 percent minimum of the beds shall have clear floor space complying with 11B-806.2.3 Sleeping Areas. **§11B-224.3**
6. In transient lodging facilities, guest rooms with communication features complying with 11B-806.3 Guest Rooms with Communication Features shall be provided in the number required by Table 11B-224.4. **§11B-224.4**
7. Guest rooms required to provide mobility features complying with 11B-806.2 Guest Rooms with Mobility Featuresand guest rooms required to provide communication features complying with 11B-806.3 Guest Rooms with Communication Features shall be dispersed among the various classes of guest rooms, and shall provide choices of types of guest rooms, number of beds, and other amenities comparable to the choices provided to other guests. Where the minimum number of guest rooms required to comply with 11B-806 Transient Lodging Guest Rooms is not sufficient to allow for complete dispersion, guest rooms shall be dispersed in the following priority: guest room type, number of beds, and amenities. At least one guest room required to provide mobility features complying with 11B-806.2 shall also provide communication features complying with 11B-806.3. Not more than 10 percent of guest rooms required to provide mobility features complying with 11B-806.2 shall be used to satisfy the minimum number of guest rooms required to provide communication features complying with 11B-806.3. **§11B-224.5**
8. Fixed or built-in storage facilities within guest rooms required to provide mobility features shall comply with 11B-225 Storage.**§11B-224.6**
9. Guest rooms required to provide mobility features shall comply with the following: **§11B-806.2**
10. Living and dining areas shall be accessible.
11. Exterior spaces, including patios, terraces and balconies, that serve the guest room shall be accessible.
12. At least one sleeping area shall provide a 36 inch by 48 inch minimum clear space on both sides of a bed. The clear space shall be positioned for parallel approach to the side of the bed.
13. There shall be a clear space under the bed for the use of a personal lift device. The clear space shall extend under the bed parallel to the long side and be adjacent to an accessible route. The clear space shall extend to points horizontally 30 inches, vertically 7 inches and not more than 12 inches from the head and foot end of the bed.
14. At least one bathroom that is provided as part of a guest room shall comply with 11B-603 Toilet and Bathing Rooms. No fewer than one water closet, one lavatory, and one bathtub or shower shall comply with applicable requirements of 11B-603 through 11B-610. In addition, required roll-in shower compartments shall comply with 11B-608.2.2 or 11B-608.2.3. Toilet and bathing fixtures required to comply with 11B-603 through 11B-610 shall be permitted to be located in more than one toilet or bathing area, provided that travel between fixtures does not require travel between other parts of the guest room. If vanity counter top space is provided in non-accessible guest toilet or bathing rooms, comparable vanity counter top space, in terms of size and proximity to the lavatory, shall also be provided in accessible guest toilet or bathing rooms.
15. Kitchens, kitchenettes and wet bars shall comply with 11B-804.
16. Turning space complying with 11B-304 shall be provided within the guest room.
17. Guest rooms required to provide communication features shall comply with the following:**§11B-806.3**
18. Where emergency warning systems are provided, alarms complying with 11B-702 Fire Alarm Systems shall be provided.
19. Visible notification devices shall be provided to alert room occupants of incoming telephone calls and a door knock or bell. Notification devices shall not be connected to visible alarm signal appliances. Telephones shall have volume controls compatible with the telephone system and shall comply with 11B-704.3 Volume Control Telephones. Telephones shall be served by an electrical outlet complying with 11B-309 Operable Parts located within 48 inches of the telephone to facilitate the use of a TTY.

**HOLDING CELLS AND HOUSING CELLS**

1. Cells required to provide mobility features shall comply with the following:**§11B-807.2**
   1. Turning space complying with 11B-304 shall be provided within the cell.
   2. Where benches are provided, at least one bench shall comply with 11B-903.
   3. Where beds are provided, clear floor space complying with 11B-305 shall be provided on at least one side of the bed. The clear floor space shall be positioned for parallel approach to the side of the bed.
   4. Toilet facilities or bathing facilities that are provided as part of a cell shall comply with 11B-603. Where provided, no fewer than one water closet, one lavatory, and one bathtub or shower shall comply with the applicable requirements of 11B-603 through 11B-610.
2. Cells required to provide communication features shall comply with: **§11B-807.3**
3. Where audible emergency alarm systems are provided to serve the occupants of cells, visible alarms complying with 11B-702 shall be provided.
4. Telephones, where provided within cells, shall have volume controls complying with 11B-704.3.

**Judicial Facilities**

1. Courtrooms shall comply with the following:**§11B-808**
   1. Where provided, areas that are raised or depressed and accessed by ramps or platform lifts with entry ramps shall provide unobstructed turning space complying with 11B-304.
   2. Each jury box and witness stand shall have, within its defined area, clear floor space complying with 11B-305.
   3. Judges’ benches, clerks' stations, bailiffs' stations, deputy clerks' stations, court reporters' stations and litigants' and counsel stations shall comply with 11B-902.
2. Where provided, central holding cells and court-floor holding cells shall comply with:
   1. Where separate central holding cells are provided for adult male, juvenile male, adult female, or juvenile female, one of each type shall comply with 11B-807.2.   
      Where central holding cells are provided and are not separated by age or sex, at least one cell complying with 11B-807.2 shall be provided.
   2. Where separate court-floor holding cells are provided for adult male, juvenile male, adult female, or juvenile female, each courtroom shall be served by one cell of each type complying with 11B-807.2. Where court-floor holding cells are provided and are not separated by age or sex, courtrooms shall be served by at least one cell complying with 11B-807.2. Cells may serve more than one courtroom.
3. Visiting areas shall comply with the following:
4. At least 5 percent, but no fewer than one, of cubicles shall comply with 11B-902 on both the visitor and detainee sides. Where counters are provided, at least one shall comply with 11B-904.4.2 on both the visitor and detainee sides.
5. Where solid partitions or security glazing separate visitors from detainees at least one of each type of cubicle or counter partition shall comply with 11B-904.6.

**Detention Facilities and Correctional Facilities**

1. General holding cells and general housing cells shall be provided in accordance with: **§11B-232.2**
   1. At least 3 percent, but no fewer than one, of the total number of cells in a facility shall provide mobility features complying with 11B-807.2.
      1. In cells having more than 25 beds, at least 5 percent of the beds shall have clear floor space complying with 11B-807.2.3.
      2. Cells with mobility features shall be provided in each classification level.
   2. At least 2 percent, but no fewer than one, of the total number of general holding cells and general housing cells equipped with audible emergency alarm systems and permanently installed telephones within the cell shall provide communication features complying with 11B-807.3.
2. Where special holding cells or special housing cells are provided, at least one cell serving each purpose shall provide mobility features complying with 11B-807.2. Cells subject to this requirement include, but are not limited to, those used for purposes of orientation, protective custody, administrative or disciplinary detention or segregation, detoxification, and medical isolation. **§11B-232.3**
3. Patient bedrooms or cells required to comply with 11B-223 shall be provided in addition to any medical isolation cells required to comply with 11B-232.3. **§11B-232.4**
4. Visiting areas shall comply with the following: **§11B-232.5**
5. At least 5 percent, but no fewer than one, of cubicles shall comply with 11B-902 on both the visitor and detainee sides. Where counters are provided, at least one shall comply with 11B-904.4.2 on both the visitor and detainee or inmate sides.
6. Where solid partitions or security glazing separate visitors from detainees or inmates at least one of each type of cubicle or counter partition shall comply with 11B-904.6.

**RESIDENTIAL FACILITIES**

1. Public housing facilities with residential dwelling units available for public use with shall comply with 11B-233. See Chapter 2, Section 202 of this code for the definition of Public Housing.**§11B-233.1**
2. Where public housing facilities with residential dwelling units are provided by entities subject to regulations issued by the Department of Housing and Urban Development (HUD) under Section 504 of the Rehabilitation Act of 1973, as amended, such entities shall provide residential dwelling units with mobility features complying with 11B-809.2 through 11B-809.4 in a number required by the applicable HUD regulations. Residential dwelling units required to provide mobility features complying with 11B-809.2 through 11B-809.4 shall be on an accessible route as required by 11B-206. In addition, such entities shall provide residential dwelling units with communication features complying with 11B-809.5 in a number required by the applicable HUD regulations. Entities subject to 11B-233.2 shall not be required to comply with 11B-233.3. **§11B-233.2**
3. Public housing facilities with residential dwelling units provided by entities not subject to regulations issued by the Department of Housing and Urban Development (HUD) under Section 504 of the Rehabilitation Act of 1973, as amended, shall comply with 11B-233.3.**§11B-233.3**
4. Newly constructed public housing facilities with residential dwelling units shall comply with 11B-233.3.1. (See exception)
   1. In public housing facilities with residential dwelling units, at least 5 percent, but no fewer than one unit, of the total number of residential dwelling units shall provide mobility features complying with 11B-809.2 through 11B-809.4 and shall be on an accessible route as required by 11B-206. **§11B-233.3.1.1**
   2. In public housing facilities with residential dwelling units, adaptable residential dwelling units complying with Chapter 11A, Division IV – Dwelling Unit Features shall be provided as required by 11B-233.3.1.2.1 through 11B-233.3.1.2.5. Adaptable residential dwelling units shall be on an accessible route as required by 11B-206.**§11B-233.3.1.2 (See exception)**
      1. Residentialdwelling units on floors served by an elevator shall be adaptable.**§11B-233.3.1.2.1**
      2. Groundfloor residential dwelling units in non-elevator buildings shall be adaptable. **§11B-233.3.1.2.2**
      3. Where the first floor in a building containing residential dwelling units is a floor above grade, all units on that floor shall be adaptable. **§11B-233.3.1.2.3**
      4. In elevator buildings, public housing facilities with multi-story residential dwelling units shall comply with the following (See exception):**§11B-233.3.1.2.4**
         1. The primary entry of the multi-story residential dwelling unit shall be on an accessible route. In buildings with elevators the primary entry shall be on the floor served by the elevator.
         2. At least one powder room or bathroom shall be located on the primary entry level.
         3. Rooms or spaces located on the primary entry level shall be served by an accessible route and comply with Chapter 11A, Division IV – Dwelling Unit Features.
      5. The number of adaptable residential dwelling units required in non-elevator building public housing facilities shall be determined in accordance with Chapter 11A, Section 1150A.1. The remaining ground floor residential dwelling units shall comply with the following requirements:**§11B-233.3.1.2.5**
         1. Grab bar reinforcement complying with 11B-609.
         2. Doors complying with 11B-404.
         3. Communication features complying with 11B-809.5.5.
         4. Electrical receptacle and switches complying with 11B-308.1.
         5. Toilet and bathing facilities complying with 11B-809.4.
         6. Kitchen sink removable cabinets complying with 11B-606.2, Exception 3.
   3. Inpublic housing facilities with residential dwelling units, at least 2 percent, but no fewer than one unit, of the total number of residential dwelling units shall provide communication features complying with 11B-809. **§11B-233.3.1.3**
5. Residential dwelling units designed and constructed or altered by public entities that will be offered for sale to individuals shall provide accessible features to the extent required by regulations issued by Federal agencies under the Americans with Disabilities Act or Section 504 of the Rehabilitation Act of 1973, as amended. this chapter. (See exception)
6. Where an addition to an existing public housing facility building results in an increase in the number of residential dwelling units, the requirements of 11B-233.3.1 shall apply only to the residential dwelling units that are added until the total number of residential dwelling units complies with the minimum number required by 11B-233.3.1. Residential dwelling units required to comply with 11B-233.3.1.1 and 11B-233.3.1.2 shall be on an accessible route as required by 11B-206. **§11B-233.3.3**
7. Alterations to a public housing facility shall comply with the following:**§11B-233.3.4 (See exception)**
   1. Where a building is vacated for the purposes of alteration for use as public housing, and the altered building contains more than 15 residential dwelling units, at least 5 percent of the residential dwelling units shall comply with 11B-809.2 through 11B-809.4 and shall be on an accessible route as required by 11B-206. Residential dwelling units with adaptable features shall be provided in compliance with 11B-233.3.1.2. In addition, at least 2 percent of the residential dwelling units shall comply with 11B-809.5.**§11B-233.3.4.1(See exception)**
   2. Inpublic housing facilities with individual residential dwelling units, where a bathroom or a kitchen is substantially altered, and at least one other room is altered, the requirements of 11B-233.3.1 shall apply to the altered residential dwelling units until the total number of residential dwelling units complies with the minimum number required by 11B-233.3.1.1, and 11B-233.3.1.2, and 11B-233.3.1.3. Residential dwelling units required to comply with 11B-233.3.1.1 and 11B-233.3.1.2 shall be on an accessible route as required by 11B-206.**§11B-233.3.4.2 (See exception)**
8. In public housing facilities, residential dwelling units required to provide mobility features complying with 11B-809.2 through 11B-809.4 and residential dwelling units required to provide communication features complying with 11B-809.5, and adaptable features complying with Chapter 11A, Division IV shall be dispersed among the various types of residential dwelling units in the facility and shall provide choices of residential dwelling units comparable to, and integrated with, those available to other residents.**§11B-233.3.5 (See exception)**
9. Residential dwelling units that are provided by or on behalf of a place of education, which are leased on a year round basis exclusively to graduate students or faculty, and do not contain any public use or common use areas available for educational programming, are not subject to 11B-224 and shall comply with 11B-233 and 11B-809.**§11B-233.3.6**
10. Residential dwelling units required to provide mobility features shall comply with 11B-809.2 through 11B-809.4. Residential dwelling units required to provide communication features shall comply with 11B-809.5. **§11B-809.1**
11. Accessible routes complying with Chapter Division 4 shall be provided within residential dwelling units in accordance with 11B-809.2.**§11B-809.2(See exception)**
12. At least one accessible route shall connect all spaces and elements which are a part of the residential dwelling unit. Where only one accessible route is provided, it shall not pass through bathrooms, closets, or similar spaces.**§11B-809.2.1**
13. All rooms served by an accessible route shall provide a turning space complying with 11B-304. **§11B-809.2.2 (See exception)**
14. Where a kitchen is provided, it shall comply with 11B-804 Kitchens and Kitchenettes. **§11B-809.3**
15. At least one bathroom shall comply with 11B-603. No fewer than one of each type of fixture provided within the bathroom shall comply with applicable requirements of 11B-603 through 11B-610. Toilet and bathing fixtures required to comply with 11B-603 through 11B-610 shall be located in the same bathroom or toilet and bathing area, such that travel between fixtures does not require travel between other parts of the residential dwelling unit.**§11B-809.4**
16. Inresidential dwelling units with more than one bathroom, when a bathtub is installed in the first bathroom in compliance with 11B-809.4 and a shower compartment is provided in a subsequent bathroom, at least one shower compartment shall comply with 11B-608.**§11B-809.4.1**
17. Residential dwelling units required to provide communication features shall comply with the following:
    1. Where a building fire alarm system is provided, the system wiring shall be extended to a point within the residential dwelling unit in the vicinity of the residential dwelling unit smoke detection system. **§11B-809.5.1**
       1. Wherealarm appliances are provided within a residential dwelling unit as part of the building fire alarm system, they shall comply with 702 Chapter 9, Section 907.5.2.3.4. **§11B-809.5.1.1**
       2. All visible alarm appliances provided within the residential dwelling unit for building fire alarm notification shall be activated upon activation of the building fire alarm in the portion of the building containing the residential dwelling unit. **§11B-809.5.1.2**
    2. Residential dwelling unit smoke detection systems shall comply with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see “Referenced Standards” in Chapter 1) Chapter 9, Section 907.2.11. **§11B-809.5.2**
       1. Allvisible alarm appliances provided within the residential dwelling unit for smoke detection notification shall be activated upon smoke detection. 11B-809.5.2.1
    3. The same visible alarm appliances shall be permitted to provide notification of residential dwelling unit smoke detection and building fire alarm activation.**§11B-809.5.3**
    4. Visiblealarm appliances used to indicate residential dwelling unit smoke detection or building fire alarm activation shall not be used for any other purpose within the residential dwelling unit.**§11B-809.5.4**
    5. Communicationfeatures shall be provided at the residential dwelling unit primary entrance complying with the following:
       1. A hard-wired electric doorbell shall be provided. A button or switch shall be provided outside the residential dwelling unit primary entrance. Activation of the button or switch shall initiate an audible tone and visible signal within the residential dwelling unit. Where visible doorbell signals are located in sleeping areas, they shall have controls to deactivate the signal. **§11B-809.5.5.1**
       2. A means for visually identifying a visitor without opening the residential dwelling unit entry door shall be provided and shall allow for a minimum 180 degree range of view. **§11B-809.5.5.2**
    6. Where a system, including a closed-circuit system, permitting voice communication between a visitor and the occupant of the residential dwelling unit is provided, the system shall comply with 11B-708.4. **§11B-809.5.6**

**TRANSPORTATION FACILITIES**

1. Transportation facilities shall comply with Section 11B-218.**§11B-218.1**
2. New and altered stations in rapid rail, light rail, commuter rail, intercity rail, high speed rail, and other fixed guideway systems shall comply with Sections 11B-810.5 through 11B-810.10. **§11B-218.2**
3. Key stations and existing intercity rail stations shall comply with Sections 11B-810.5 through 11B-810.10.**§11B-218.3**
4. Where provided, bus shelters shall comply with Section 11B-810.3.**§11B-218.4**
5. In other transportation facilities, public address systems shall comply with Section 11B-810.7 and clocks shall comply with Section 11B-810.8. **§11B-218.5**
6. Stations shall not be designed or constructed so as to require persons with disabilities to board or alight from a vehicle at a location other than one used by the general public.**§11B-810.1.1**
7. Baggage check-in and retrieval systems shall be on an accessible route complying with Section 11B-402 and shall have space immediately adjacent complying with Section 11B-302. **§11B-810.1.2**
8. Bus stop boarding and alighting areas shall comply with the following:
   1. Bus stop boarding and alighting areas shall have a firm, stable surface. **§11B-810.2.1**
   2. Bus stop boarding and alighting areas shall provide a clear length of 96 inches minimum, measured perpendicular to the curb or vehicle roadway edge, and a clear width of 60 inches minimum, measured parallel to the vehicle roadway.**§11B-810.2.2**
   3. Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route complying with Section 11B-402. Newly constructed bus stop pads shall provide a square curb transition between the pad and roadwayelevations or detectable warnings complying with Section 11B-705.2. **§11B-810.2.3**
   4. Parallel to the roadway, the slope of the bus stop boarding and alighting area shall be the same as the roadway, to the maximum extent practicable. Perpendicular to the roadway, the slope of the bus stop boarding and alighting area shall not be steeper than 1:48 (2.083%).**§11B-810.2.4**
9. Bus shelters shall provide a minimum clear floor or ground space complying with Section 11B-305 entirely within the shelter. Bus shelters shall be connected by an accessible route complying with Section 11B-402 to a boarding and alighting area complying with Section 11B-810.2. **§11B-810.3**
10. Bus route identification signs shall comply with Sections 11B-703.5.1 through 11B-703.5.4, and Sections 11B-703.5.7 and 11B-703.5.8. In addition, to the maximum extent practicable, bus route identification signs shall comply with Section 11B-703.5.5.**§11B-810.4, See exception**
11. Rail platforms shall comply with the following:
    1. Rail platforms shall not exceed a slope of 1:48 (2.083%) in all directions except where platforms serve vehicles operating on existing track or track laid in existing roadway, the slope of the platform parallel to the track shall be permitted to be equal to the slope (grade) of the roadway or existing track.**§11B-810.5.1**
    2. Platform boarding edges not protected by platform screens or guards shall have detectable warnings complying with Section 11B-705 along the full length of the public use area of the platform.**§11B-810.5.2**
    3. Low-level platforms shall be 8 inches minimum above top of rail except where vehicles are boarded from sidewalks or street-level, low-level platforms shall be permitted to be less than 8 inches.**§11B-810.5.3**
12. Rail station signs shall comply with the following, except where audible signs are remotely transmitted to hand-held receivers, or are user- or proximity-actuated:**§11B-810.6**
    1. Where signs identify a station or its entrance, at least one sign at each entrance shall comply with Section 11B-703.2 and shall be placed in uniform locations to the maximum extent practicable. Where signs identify a station that has no defined entrance, at least one sign shall comply with Section 11B-703.2 and shall be placed in a central location. **§11B-810.6.1**
    2. Lists of stations, routes and destinations served by the station which are located on boarding areas, platforms, or mezzanines shall comply with Section 11B-703.5. At least one tactile sign identifying the specific station and complying with Section 11B-703.2 shall be provided on each platform or boarding area. Signs covered by this requirement shall, to the maximum extent practicable, be placed in uniform locations within the system except where sign space is limited, characters shall not be required to exceed 3 inches.**§11B-810.6.2**
    3. Stations covered by this section shall have identification signs complying with Section 11B-703.5. Signs shall be clearly visible and within the sight lines of standing and sitting passengers from within the vehicle on both sides when not obstructed by another vehicle. **§11B-810.6.3**
13. Where public address systems convey audible information to the public, the same or equivalent information shall be provided in a visual format.**§11B-810.7**
14. Where clocks are provided for use by the public, the clock face shall be uncluttered so that its elements are clearly visible. Hands, numerals and digits shall contrast with the background either light-on-dark or dark-on-light. Where clocks are installed overhead, numerals and digits shall comply with Section 11B-703.5. **§11B-810.8**
15. Where provided, escalators shall comply with Sections 6.1.3.5.6 and 6.1.3.6.5 of ASME A17.1 and shall have a clear width of 32 inches minimum except for existing escalators in key stations.**§11B-810.9**
16. Where a circulation path serving boarding platforms crosses tracks, it shall comply with Section 11B-402.**§11B-810.10 (See exception)**

**STORAGE FACILITIES**

1. Provide a clear floor or ground space complying with 11B-305 for at least one of each type of accessible storage spaces. **§11B-225.2**
2. Show that storage elements comply with at least one of the reach ranges specified in 11B-308. **§11B-811.3**
3. Show that operable parts comply with 11B-309. **§11B-811.4**
4. At least 5 percent of lockers, but no less than one of each type, shall be provided with a clear floor or ground space complying with 11B-305. Show locations of accessible lockers on plan. **§11B-225.2.1**
5. Provide an accessible route to self-service shelves. **§11B-225.2.2**
6. Show that book stacks available for public use are less than 54 inches above the finish floor in height. **§11B-225.2.3**
7. Provide a minimum number of accessible self-service storage spaces per Table 11B-225.3.
8. Locate accessible self-service storage spaces on plans. Individual self-service storage spaces shall be dispersed throughout the various classes of spaces provided. Where more classes of spaces are provided than the number required to be accessible, the number of spaces shall not be required to exceed that required by Table 11B-225.3. **§11B-225.3.1**

**Depositories, Vending Machines, Change Machines, Mail Boxes, and Fuel Dispensers**

1. Except at drive-up only depositories, where provided, at least one of each type of depository, vending machine, change machine, and fuel dispenser shall comply with 11B-309.**§11B-228.1**
2. Where mail boxes are provided in an interior location, at least 5 percent, but no fewer than one, of each type shall comply with 11B-309. In residential facilities, where mail boxes are provided for each residential dwelling unit, mail boxes complying with 11B-309 shall be provided for each residential dwelling unit required to provide mobility features complying with 11B-809.2 through 11B-809.4 and adaptable features complying with Chapter 11A, Division IV.**§11B-228.2**

**Windows**

1. Where glazed openings are provided in accessible rooms or spaces for operation by occupants, at least one opening shall comply with 11B-309. Each glazed opening required by an administrative authority to be operable shall comply with 11B-309.**§11B-229.1 (See exceptions)**

**RELIGIOUS FACILITIES**

1. Religious facilities shall be accessible in accordance with the provisions of this code. **§11B-244.1.**
2. Where specific areas within religious facilities contain more than one use, each portion shall comply with the applicable requirements for that use. **§11B-244.1.**

**commercial facilities located in private residences**

1. When a commercial facility is located in a private residence, that portion used exclusively in the operation of the commercial facility or that portion used both for the commercial facility and for residential purposes, shall comply with the new construction and alterations requirements of Chapter 11B. **§11B-245**
2. Portions of the residence that are required to be accessible extends to those elements used to enter the portion that is the commercial facility, including the front sidewalk, if any, the door or entryway, and hallways; and those portions of the residence, interior or exterior, available to or used by employees or visitors of the commercial facility, including restrooms. **§11B-245.3**

**GENERAL EXCEPTIONS**

1. Spaces and elements within employee work areas shall be designed and constructed so that individuals with disabilities can approach, enter, and exit the employee work area. **§11B-203.9**
2. Spaces and elements within employee work areas shall have common use circulation paths that comply with all applicable requirements of Division 4 Accessible Routes. **§11B-203.9**
3. Spaces and elements within employee work areas shall have accessible means of egress in accordance with Chapter 10, Section 1007. **§11B-203.9**
4. Where employee work areas have audible alarm coverage, the wiring system shall be designed so that visible alarms complying with Chapter 9, Section 907.5.2.3.2 can be integrated into the alarm system. **§11B-203.9, §11B-215.3**
5. Water slides shall be provided with an accessible route complying with Division 4 to the ground- or floor-level entry points, where provided, of stairs, ladders, or other means of reaching the raised elements or areas. **§11B-203.11**
6. Animal containment areas for public use shall be on an accessible route. **§11B-203.12**
7. Raised boxing or wrestling rings shall be provided with an accessible route complying with Division 4 to the ground- or floor-level entry points, where provided, of stairs, ladders, or other means of reaching the raised elements or areas. **§11B-203.13**
8. Raised diving boards and diving platforms shall be provided with an accessible route complying with Division 4 to the ground- or floor-level entry points, where provided, of stairs, ladders, or other means of reaching the raised elements or areas. **§11B-203.14**
9. **BUILT-IN ELEMENTS**

**Dining Surfaces and Work Surfaces**

1. Dining surfaces and work surfaces shall comply with 11B-902.2 and 11B-902.3.**(See exception)**
2. A clear floor space complying with 11B-305 positioned for a forward approach shall be provided. Knee and toe clearance complying with 11B-306 shall be provided.**§11B-902.2**
3. The tops of dining surfaces and work surfaces shall be 28 inches minimum and 34 inches maximum above the finish floor or ground.**§11B-902.3**
4. Accessible dining surfaces and work surfaces for children’s use shall comply with 11B-902.4.**§11B-902.4(See exception)**
5. Where dining surfaces are provided for the consumption of food or drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with 11B-902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall comply with 11B-902.**§11B-226.1 (See exceptions)**
6. Dining surfaces and work surfaces required to comply with 11B-902 shall be dispersed throughout the space or facility containing dining surfaces and work surfaces for each type of seating in a functional area. Work surfaces required to comply with 11B-902 shall be dispersed throughout the space or facility containing work surfaces.**§11B-226.2**
7. Where food or drink is served for consumption at a counter exceeding 34 inches in height, a portion of the main counter 60 inches minimum in length shall be provided in compliance with 11B-902.3.**§11B-226.3**
8. Food service lines shall comply with 11B-904.5. Where self-service shelves are provided, at least 50 percent, but no fewer than one, of each type provided shall comply with 11B-308.**§11B-227.4**
9. Queues and waiting lines servicing counters or check-out aisles required to comply with 11B-904.3 or 11B-904.4 shall comply with 11B-403.**§11B-227.5**
10. Counters in food service lines shall comply with 11B-904.5.**§11B-904.5**
11. Self-service shelves and dispensing devices for tableware, dishware, condiments, food and beverages shall comply with 11B-308.**§11B-904.5.1**
12. The tops of tray slides shall be 28 inches minimum and 34 inches maximum above the finish floor or ground.**§11B-904.5.2**

**Benches**

1. Clear floor or ground space complying with 11B-305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.**§11B-903.2**
2. Benches shall have seats that are 48 inches long minimum and 20 inches deep minimum and 24 inches deep maximum.**§11B-903.3**
3. The bench shall provide for back support or shall be affixed to a wall along its long dimension. Back support shall be 48 inches long minimum and shall extend from a point 2 inches maximum above the seat surface to a point 18 inches minimum above the seat surface. Back support shall be 2½ inches maximum from the rear edge of the seat measured horizontally.**§11B-903.4**
4. The top of the bench seat surface shall be 17 inches minimum and 19 inches maximum above the finish floor or ground.**§11B-903.5**
5. Benches shall be affixed to the wall or floor. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds is applied at any point on the seat, fastener, mounting device, or supporting structure.**§11B-903.6**
6. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.**§11B-903.7**

**Check-Out Aisles and Sales and Service Counters**

1. Where provided, check-out aisles, sales counters, service counters, food service lines, queues, and waiting lines shall comply with 11B-227 and 11B-904.**§11B-227.1**
2. Where check-out aisles are provided, check-out aisles complying with 11B-904.3 shall be provided in accordance with Table 11B-227.2. Where check-out aisles serve different functions, check-out aisles complying with 11B-904.3 shall be provided in accordance with Table 11B-227.2 for each function. Where check-out aisles are dispersed throughout the building or facility, check-out aisles complying with 11B-904.3 shall be dispersed. When check-out aisles are open for customer use, a minimum of one accessible check-out aisle shall always be available. As check-out aisles are opened and closed based on fluctuating customer levels, the number of accessible check-out aisles available shall comply with Table 11B-227.2. When not all check-out aisles are accessible, accessible check-out aisles shall be identified by a sign complying with 11B-904.3.4.**§11B-227.2 (See exception)**
3. Where check-out aisles are altered, at least one of each check-out aisle serving each function shall comply with 11B-904.3 until the number of check-out aisles complies with 11B-227.2.**§11B-227.2.1**
4. All portions of counters required to comply with 11B-904 shall be located adjacent to a walking surface complying with 11B-403.**§11B-904.2**
5. Check-out aisles shall comply with the following:
6. Aisles shall comply with 11B-403.**§11B-904.3.1**
7. The counter surface height shall be 38 inches maximum above the finish floor or ground. The top of the counter edge protection shall be 2 inches maximum above the top of the counter surface on the aisle side of the check-out counter.**§11B-904.3.2**
8. Where provided, check writing surfaces shall comply with 11B-902.3.**§11B-904.3.3**
9. When not all check-out aisles are accessible, accessible check-out aisles shall be identified by a sign clearly visible to a person in a wheelchair displaying the International Symbol of Accessibility complying with 11B-703.7.2.1. The sign shall be a minimum of 4 inches by 4 inches.**§11B-904.3.4**
10. Sales counters and service counters shall comply with either of the following and the accessible portion of the counter top shall extend the same depth as the sales or service counter top.**§11B-904.4 (See exception)**
    1. A portion of the counter surface that is 36 inches long minimum and 34 inches high maximum above the finish floor shall be provided. A clear floor or ground space complying with 11B-305 shall be positioned for a parallel approach adjacent to the 36 inch minimum length of counter.**§11B-904.4.1 (See exception)**or
    2. A portion of the counter surface that is 36 inches long minimum and 34 inches high maximum shall be provided. Knee and toe space complying with 11B-306 shall be provided under the counter. A clear floor or ground space complying with 11B-305 shall be positioned for a forward approach to the counter.**§11B-904.4.2**
11. Where provided, at least one of each type of sales counter and service counter shall comply with 11B-904.4. Where counters are dispersed throughout the building or facility, counters complying with 11B-904.4 also shall be dispersed.**§11B-227.3**
12. Queues and waiting lines servicing counters or check-out aisles required to comply with 11B-904.3 or 11B-904.4 shall comply with 11B-403.**§11B-227.5**
13. Where counters or teller windows have security glazing to separate personnel from the public, a method to facilitate voice communication shall be provided. Telephone handset devices, if provided, shall comply with 11B-704.3.**§11B-904.6**
14. **RECREATION FACILITIES**

**Amusement Rides**

1. Show and detail accessible routes to amusement rides. The accessible routes shall comply with Division 4 Accessible Routes. **§11B-1002.2 (See exceptions)**
2. Provide a turning space in load and unload areas in compliance with 11B-304.2Floor or Ground Surfaces and 11B-304.3 Size.**§11B-1002.3**
3. Show how wheelchair spaces are provided in amusement rides, compliant with requirements of 11B-1002.4.**§11B-1002.4**
4. Note on plans: “The floor or ground surface of wheelchair spaces shall be stable and firm. The floor or ground surface of wheelchair spaces shall have a slope not steeper than 1:48 (2.083%) when in the load and unload position.”
5. Show that the vertical difference between the floors of amusement rides with wheelchair spaces and floors of load and unload areas is within 5/8 inches and the horizontal gap is 3 inches maximum under normal passenger load conditions when amusement rides are at rest in the load and unload position. **§11B-1002.4.3**
6. Provide a clear width of 30 inches minimum and a clear length of 48 inches minimum measured to 9 inches minimum above the floor surface for wheelchair spaces. **§11B-1002.4.4.1**
7. Design the amusement ride to permit sufficient maneuvering clearance for individuals using a wheelchair or mobility aid to enter and exit the ride where wheelchair spaces are entered only from the side. **§11B-1002.4.4.2**
8. Provide 32 inches minimum clear entry to wheelchair spaces on amusement rides. **§11B-1002.4.5**
9. Provide an accessible route to one side of the wheelchair space. **§11B-1002.4.6**
10. Provide a companion seat for each wheelchair space where the interior width of the amusement ride is greater than 53 inches, seating is provided for more than one rider, and the wheelchair is not required to be centered within the amusement ride. **§11B-1002.4.7**
11. Provide companion seats shoulder-to-shoulder with the adjacent wheelchair space where an amusement ride provides shoulder-to-shoulder seating. **§11B-1002.4.7.1**
12. Amusement ride seats designed for transfer shall comply with the followingwhen positioned for loading and unloading:**§11B-1002.5**
    1. Provide a clear floor or ground space in compliance with 11B-305Clear Floor or Ground Surfaces in the load and unload area adjacent to the amusement ride seats designed for transfer. **§11B-1002.5.1**
    2. Show that the height of amusement ride seats designed for transfer is 14 inches minimum and 24 inches maximum measured from the surface of the load and unload area. **§11B-1002.5.2**
    3. Provide clearance for transfer from a wheelchair or mobility aid to the amusement ride seat where openings are provided for transfer to amusement ride seats. **§11B-1002.5.3**
    4. Provide wheelchair storage spaces complying with 11B-305Clear Floor or Ground Surfaces in or adjacent to unload areas for each required amusement ride seat designed for transfer. The wheelchair storage spaces shall not overlap any required means of egress or accessible route. **§11B-1002.5.4**
13. Transfer devices for use with amusement rides shall comply with the following when positioned for loading and unloading:**§11B-1002.6**
    1. Provide a clear floor or ground space complying with 11B-305Clear Floor or Ground Surfaces in the load and unload area adjacent to the transfer device. **§11B-1002.6.1**
    2. Show that the height of transfer device seats is 14 inches minimum and 24 inches maximum measured from the load and unload surface. **§11B-1002.6.2**
    3. Provide wheelchair storage spaces complying with 11B-305Clear Floor or Ground Surfaces in or adjacent to unload areas for each required amusement ride seat designed for transfer. The wheelchair storage spaces shall not overlap any required means of egress or accessible route. **§11B-1002.6.3**

**Recreational Boating Facilities**

1. Provide accessible routes to recreational boating facilities, including gangways and floating piers. **§11B-1003.2**
2. Provide clear pier space 60 inches wide minimum and at least as long as the boat slips. Each 10 feet maximum of linear pier edge serving boat slips shall contain at least one continuous clear opening 60 inches wide minimum. **§11B-1003.3.1 (See exceptions)**
3. Provide clear pier space 60 inches wide minimum and at least as long as the full length of the boarding pier at boat launch ramps. Every 10 feet maximum of linear pier edge shall contain at least one continuous clear opening 60 inches wide minimum.**§11B-1003.3.2 (See exceptions)**

**Exercise Machines and Equipment**

1. Provide a clear floor space complying with 11B-305Clear Floor or Ground Surfaces positioned for transfer or for use by anindividual seated in a wheelchair. **§11B-1004.1**

**Fishing Piers and Platforms**

1. Provide accessible routes to fishing piers and platforms, including gangways and floating piers. **§11B-1005.1 (See exceptions)**
2. Show at least 25 percent of the railings, guards, or handrails with a height of 34 inches   
   maximum above the ground or deck surface. Railings, guards, or handrails provided shall be dispersed throughout the fishing pier or platform. **§11B-1005.2.1 (See exception)**
3. Curbs or barriers shall extend 2 inches minimum above the surface of the fishing pier or platform where railings, guards, or handrails complying are provided. **§11B-1005.3.1**
4. The ground or deck surface shall extend 12 inches minimum beyond the inside face of the railing. **§11B-1005.3.2, Figure 11B-1005.3.2**
5. Toe clearance shall be provided and shall be 30 inches wide minimum and 9 inches minimum above the ground or deck surface beyond the railing. **§11B-1005.3.2,Figure 11B-1005.3.2**
6. Provide a clear floor or ground space complying with 11B-305Clear Floor or Ground Surfaces at each location where railings, guards, or handrails are provided per 11B-1005.2.1 Height. **§11B-1005.4**
7. Provide at least one clear floor or ground space complying with 11B-305Clear Floor or Ground Surfaces on the fishing pier or platform where there are no railings, guards, or handrails. **§11B-1005.4**
8. Provide at least one turning space on fishing piers and platforms. The turning space shall comply with 11B-304.3 Size. **§11B-1005.5**

**GOLF FACILITIES**

1. Accessible routes to teeing grounds, practice teeing grounds, putting greens, practice putting greens, teeing stations at driving ranges, course weather shelters, golf car rental areas, bag drop areas, and course toilet rooms shall be 48 inches wide minimum. Where handrails are provided, accessible routes shall be 60 inches wide minimum. **§11B-1006.2**
2. A clear width of golf car passages shall be 48 inches minimum. **§11B-1006.3.1**
3. Where curbs or other constructed barriers prevent golf cars from entering a fairway, openings 60 inches wide minimum shall be provided at intervals not to exceed 75 yards. **§11B-1006.3.2**
4. Where one teeing ground is provided for a hole, the teeing ground shall be designed and constructed so that a golf car can enter and exit the teeing ground. Where two teeing grounds are provided for a hole, the forward teeing ground shall be designed and constructed so that a golf car can enter and exit the teeing ground. **§11B-238.2.1**
5. At least 5 percent, but no fewer than one, of practice putting greens, practice teeing grounds, and teeing stations at driving ranges shall be designed and constructed so that a golf car can enter and exit the practice putting greens, practice teeing grounds, and teeing stations at driving ranges. **§11B-238.3**
6. Provide a clear floor or ground space 60 inches minimum by 96 inches minimum within weather shelters. **§11B-238.2.3, §11B-1006.4**

**MINIATURE GOLF FACILITIES**

1. Provide at least 50 percent of holes with an accessible route. **§11B-239.2**
2. Miniature golf courses shall be configured so that the compliant holes complying with 11B-1007.3 are consecutive. Miniature golf courses shall provide an accessible route from the last hole complying with 11B-1007.3 to the course entrance or exit without requiring travel through any other holes on the course.One break in the sequence of consecutive holes shall be permitted provided that the last hole on the miniature golf course is the last hole in the sequence.**§11B-239.3**
3. A clear floor or ground space 48 inches minimum by 60 inches minimum with slopes not steeper than 1:48 (2.083%)shall be provided at the start of play. **§11B-1007.3.1**
4. All areas within holes where golf balls rest shall be within 36 inches maximum of a clear floor or ground space 36 inches wide minimum and 48 inches long minimum having a running slope not steeper than 1:20 (5%). The clear floor or ground space shall be served by an accessible route. **§11B-1007.3.2**

**PLAY AREAS**

1. Provide an accessible route to all play areas within a site for children ages 2 and over. **§11B-240.1, §11B-1008.2**
2. Where two or more required ground level play components are provided, they shall be dispersed throughout the play area and integrated with other play components. **§11B-240.2.1**
3. Provide an accessible route to at least one of each type of ground level play components. **§11B-240.2.1.1**
4. Provide a minimum vertical clearance of 80 inches high at the accessible ground level play component. **§11B-1008.2**
5. Where elevated play components are provided, at least 50 percent shall be on an accessible route. **§11B-240.2.2**
6. Ground level play components shall be provided in accordance with Table 11B-240.2.1.2. **§11B-240.2.1.2**
7. At ground level play components, the clear width of accessible routes shall be 60 inches minimum for play areas 1,000 square feet or greater. **§11B-1008.2.4.1**
8. In play areas less than 1,000 square feet, the clear width of accessible routes shall be permitted to be 44 inches minimum, if at least one 60 inches turning space is provided where the restricted accessible route exceeds 30 feet in length. **§11B-1008.2.4.1**
9. The clear width of accessible routes connecting elevated play components shall be 36 inches minimum. **§11B-1008.2.4.2**
10. Ramp runs connecting ground level play components shall have a running slope not steeper than 1:16. **§11B-1008.2.5.1**
11. The rise for any ramp run connecting elevated play components shall be 12 inches maximum. **§11B-1008.2.5.2**
12. Where handrails are required on ramps serving play components, handrail gripping surfaces with a circular cross section shall have an outside diameter of 0.95 inch minimum and 1.55 inches maximum. Where the shape of the gripping surface is non-circular, the handrail shall provide an equivalent gripping surface. **§11B-1008.2.5.3.1**
13. The top of handrail gripping surfaces shall be 20 inches minimum and 28 inches maximum above the ramp surface. **§11B-1008.2.5.3.2**
14. Provide ground surfaces compliant with ASTM F 1951. Ground surfaces shall be inspected and maintained regularly and frequently to ensure continued compliance with ASTM F 1951. **§11B-1008.2.6.1**
15. Ground surfaces located within use zones shall comply with ASTM F 1292. **§11B-1008.2.6.2**
16. Transfer platforms shall have level surfaces 14 inches deep minimum and 24 inches wide minimum. **§11B-1008.3.1.1**
17. The height of transfer platforms shall be 11 inches minimum and 18 inches maximum measured to the top of the surface from the ground or floor surface. **§11B-1008.3.1.2**
18. Provide a transfer space, minimum 30 inches by 48 inches clear floor ground space, adjacent to the transfer platform. The 48 inch long minimum dimension of the transfer space shall be centered on and parallel to the 24 inch long minimum side of the transfer platform. The side of the transfer platform serving the transfer space shall be unobstructed. At least one means of support for transferring shall be provided. §11B-1008.3.1.3, **§11B-1008.3.1.4**
19. Transfer steps shall have level surfaces 14 inches deep minimum and 24 inches wide minimum and 8 inches high maximum. **§11B-1008.3.2.1, §11B-1008.3.2.2**
20. Provide compliant contrasting striping at each transfer step*.***§11B-1008.3.2.4**
21. Provide at least one 60 inches minimum diameter turning space on the same level as play components. Where swings are provided, the turning space shall be located immediately adjacent to the swing. **§11B-1008.4.1**
22. Provide a minimum 30 inches by 48 inches clear floor ground space at play components. **§11B-1008.4.2**
23. Provide minimum knee clearances 24 inches high, 17 inches deep, and 30 inches wide where play tables are provided. Play table top rims or other obstructions shall be 31 inches high maximum. **§11B-1008.4.3**
24. Play component entry points or seats shall be 11 inches minimum and 24 inches maximum from the clear floor or ground space. **§11B-1008.4.4**
25. Provide at least one means of support for transferring to required entry points or seats. **§11B-1008.4.5**

**SWIMMING POOLS, WADING POOLS, AND SPAS**

1. Provide at least two accessible means of entry for the swimming pool. Accessible means of entry shall be swimming pool lifts; sloped entries; transfer walls; transfer systems; or pool stairs. At least one accessible means of entry provided shall comply with swimming pool lifts or sloped entries. **§11B-242.2, §11B-1008.2**
2. Where a swimming pool has less than 300 linear feet of swimming pool wall, no more than one accessible means of entry shall be required provided that the accessible means of entry is a swimming pool lift or sloped entry. **§11B-242.2 exception 1, §11B-1009.2, §11B-1009.3**
3. Provide at least one accessible means of entry for the wading pool. Accessible means of entry shall comply with 11B-1009.3 Sloped Entries. **§11B-242.3, §11B-1009.3**
4. Provide at least one accessible means of entry for the spa. Accessible means of entry shall comply with swimming 11B-1009.2 Pool Lifts; 11B-1009.4 Transfer Walls; or 11B-1009.5 Transfer Systems.**§11B-242.4**
5. Where spas are provided in a cluster, no more than 5 percent, but no fewer than one, spa in each cluster shall be required to provide an accessible means of entry.**§11B-242.4 exception**
6. Pool lifts shall be located where the water level is 36 inches minimum and 48 inches maximum. **§11B-1009.2.1**
7. In the raised position, the centerline of the pool lift seat shall be located over the deck and 16 inches minimum from the edge of the pool. **§11B-1009.2.2**
8. On the side of the seat opposite the water, provide a clear deck space parallel with the seat. The space shall be 36 inches wide minimum and shall extend forward 48 inches minimum from a line located 12 inches behind the rear edge of the seat. The clear deck space shall have a slope not steeper than 1:48 (2.083%). **§11B-1009.2.3**
9. Provide a seat 16 inches minimum wide, with a back support that is at least 12 inches tall. The height of the lift seat shall be designed to allow a stop at 17 inches minimum to 19 inches maximum measured from the deck to the top of the seat surface when in the raised (load) position. **§11B-1009.2.4, §11B-1009.2.5**
10. Provide footrests that shall move with the seat. The seat shall have two armrests. The armrest positioned opposite the water shall be removable or shall fold clear of the seat when the seat is in the raised (load) position. Note: Footrests shall not be required on pool lifts provided in spas. **§11B-1009.2.6**
11. The lift shall be capable of unassisted operation from both the deck and water levels. Controls and operating mechanisms shall be unobstructed when the lift is in use. **§11B-1009.2.7**
12. The lift shall be designed so that the seat will submerge to a water depth of 18 inches minimum below the stationary water level. **§11B-1009.2.8**
13. Single person pool lifts shall have a weight capacity of 300 pounds minimum and be capable of sustaining a static load of at least one and a half times the rated load. **§11B-1009.2.9**
14. Sloped entries shall extend to a depth of 24 inches minimum and 30 inches maximum below the stationary water level.Where landings are required, at least one landing shall be located 24 inches minimum and 30 inches maximum below the stationary water level.**§11B-1009.3.2 (See exception)**
15. Provide at least two handrails on the sloped entry. The clear width between required handrails shall be 33 inches minimum and 38 inches maximum. **§11B-1009.3.3 (See exceptions)**
16. Provide a clear deck space of 60 inches minimum by 60 inches minimum with a slope not steeper than 1:48 (2.083%) at the base of the transfer wall. Where one grab bar is provided, the clear deck space shall be centered on the grab bar. Where two grab bars are provided, the clear deck space shall be centered on the clearance between the grab bars. **§11B-1009.4.1**
17. The height of the transfer wall shall be 16 inches minimum and 19 inches maximum measured from the deck. **§11B-1009.4.2**
18. The depth of the transfer wall shall be 12 inches minimum and 16 inches maximum. The length of the transfer wall shall be 60 inches minimum and shall be centered on the clear deck space. Surfaces of transfer walls shall not be sharp and shall have rounded edges. **§11B-1009.4.3, §11B-1009.4.4**
19. Provide at least one grab bar on the transfer wall. Grab bars shall be perpendicular to the pool wall and shall extend the full depth of the transfer wall. The top of the gripping surface shall be 4 inches minimum and 6 inches maximum above transfer walls. Where one grab bar is provided, clearance shall be 24 inches minimum on both sides of the grab bar. Where two grab bars are provided, clearance between grab bars shall be 24 inches minimum.Grab bars on transfer walls shall not be required to comply with 11B-609.4. **§11B-1009.4.5**
20. A transfer platform shall be provided at the head of each transfer system. Transfer platforms shall provide 19 inches minimum clear depth and 24 inches minimum clear width. The height of the transfer platform shall be 16 inches minimum and 19 inches maximum measured from the deck. **§11B-1009.5.1, §11B-1009.5.3**
21. A transfer space of 60 inches minimum by 60 inches minimum with a slope not steeper than 1:48 (2.083%) shall be provided at the base of the transfer platform surface and shall be centered along a 24 inch minimum side of the transfer platform. The side of the transfer platform serving the transfer space shall be unobstructed. **§11B-1009.5.2**
22. Transfer step height shall be 8 inches maximum. Each transfer step shall have a tread clear depth of 14 inches minimum and 17 inches maximum and shall have a tread clear width of 24 inches minimum. The surface of the bottom tread shall extend to a water depth of 18 inches minimum below the stationary water level. The surface of the transfer system shall not be sharp and shall have rounded edges. **§11B-1009.5.4, §11B-1009.5.5, §11B-1009.5.6**
23. Provide at least one grab bar on each transfer step and the transfer platform or a continuous grab bar serving each transfer step and the transfer platform. Where a grab bar is provided on each step, the tops of gripping surfaces shall be 4 inches minimum and 6 inches maximum above each step and transfer platform. Where a continuous grab bar is provided, the top of the gripping surface shall be 4 inches minimum and 6 inches maximum above the step nosing and transfer platform. Grab bars shall be located on at least one side of the transfer system. The grab bar located at the transfer platform shall not obstruct transfer.Grab bars on transfer systems shall not be required to comply with 11B-609.4. **§11B-1009.5.7**
24. Pool stairs shall comply with 11B-504 Stairways, except pool step riser heights shall not be required to be 4 inches high minimum and 7 inches high maximum provided that riser heights are uniform..**§11B-1009.6.1**
25. The width between handrails shall be 20 inches minimum and 24 inches maximum. Handrail extensions required by 11B-505.10.3 shall not be required on pool stairs. **§11B-1009.6.2**

**SHOOTING FACILITIES WITH FIRING POSITIONS**

1. Where shooting facilities with firing positions are designed and constructed at a site, at least 5 percent, but no fewer than one, of each type of firing position shall providea circular turning space 60 inches diameter minimum with slopes not steeper than 1:48 (2.083%). **§11B-243.1, §11B-1010.1**

**OUTDOOR DEVELOPED AREAS**

1. In camping facilities where campsites are provided, at least two campsites and one additional campsite for each 100 campsites or fraction thereof, shall be accessed by and connected to sanitary facilities by travel routes with a maximum slope of 1:12 (8.33%). Permanent toilet and bathing facilities serving campsites shall comply with 11B-603 Toilet and Bathing Rooms. **§11B-246.2**
2. Beaches, day use areas, vista points, and similar areas shall be accessible. **§11B-246.3, §11B-246.4**
3. Where picnic tables are provided, at least one picnic table, and one additional table for each 20 tables or fraction thereof, shall be accessible and comply with 11B-902. **§11B-246.5**
4. Parking lots shall comply with 11B-208 and 11B-502 and shall be provided with curb cuts leading to adjacent walks, paths or trails. **§11B-246.6**
5. Trails, paths and nature walk areas, or portions of them, shall be constructed with gradients permitting at least partial use by wheelchair occupants. Buildings and other functional areas shall be served by paths or walks with firm and stable surfaces. **§11B-246.7**
6. Nature trails and similar educational and informational areas shall be accessible to individuals with vision impairments by the provision of rope guidelines, raised Arabic numerals and symbols, or other similar guide and assistance devices. **§11B-246.8**