

This list is to be used in conjunction with the attached General Correction List. Note that this correction list is not all inclusive. See additional items on the General Correction List.

Items listed require amended construction documents such as revised plans, supplemental instructions, addenda, field orders, or change orders before plans approval will be issued. Answers in letter form may be provided to explain the changes to the construction documents. All drawing revisions should be clouded with a corresponding revision number tag.

The Tennessee Public Building Accessibility Act (TCA) applies to public buildings and those identified as accessible. The 2010 ADA Standard for Accessible Design is the currently adopted standard for accessible means of egress and general accessibility. Tenn. Code Ann. § 68-120-204

*Note:* Chapter 11, Accessibility; and Chapter 34, Section 3411 of the International Building Code (IBC) has not been adopted by the State of Tennessee.

## Egress

1. On the level of exit discharge, all means of egress provided shall be accessible through to the public way including sidewalks, ramps, exit stairs, horizontal exits, etc. NFPA 101, 7.5.4.3, IBC 1007.2, and ADA Standards 402.2
2. At least one accessible exit or area of refuge must exist within the travel distance providing an accessible route to an exit discharge. NFPA 101, 7.5.4.1.1

## Accessible Means of Egress / Area of Refuge

3. If an exit from a level which can be occupied above or below the level of exit discharge is inaccessible, then Accessible Means of Egress shall be provided on each such level equal to the number of required inaccessible exits. NFPA 101, 7.5.4.1.1 IBC 1007.1 and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC.
4. A compliant horizontal exit may serve as an area of rescue assistance / area of refuge shall discharge to an area of refuge in accordance with IBC 1021. NFPA 101, 7.5.4.6, IBC 1007.2(6) and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC
5. An area of refuge shall be all of the following:
  - (1) A smoke-tight and rated area or room which provides direct access to an exit from within the room or area shall be provided. If the room or area leads into an exit enclosure which is required to have a fire resistance rating greater than one hour, then the construction of the room or area serving as an area of rescue assistance / area of refuge, including the rating for the door, shall have the same fire resistance rating as that required for the exit enclosure. IBC 1007.6 and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC
  - (2) An area of refuge shall be sized to accommodate at least one wheelchair space 30" x 48" per every 200 occupants and portion thereof. IBC 1007.6.1 and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC

- (3) An area of refuge shall be separated by a smoke proof barrier in accordance with section 709 or a horizontal exits complying with section 1021. IBC 1007.6.2 and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC
6. The sprinkler system substitution for area of rescue assistance is not applicable for any floor on the level of exit discharge. ADA Standards 207.1 Advisory 105.2.4 ICC/IBC
7. An area of refuge must be signed saying "AREA OF RESCUE ASSISTANCE" with Braille. Directional signs must also be provided. IFC 1007.6.5, NFPA 101, 7.2.12.3.5.1, IBC 1007.7, ADA Standards 216.4.2, and 207.1 Advisory 105.2.4 ICC/IBC
8. Area of refuge signs must be illuminated as exit signs. IFC 1007.6.5, NFPA 101, 7.2.12.3.5.2, and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC
9. An area of refuge must be provided with 2-way communications that communicates with the main building entrance, the entrance used by the majority of the occupants or other pre-approved location by the authority having jurisdiction. An area of refuge must be provided with 2-way communications must have back-up independent power. NFPA 72 4.4.1.5, IFC 1007.6.3, NFPA 101, 7.2.12.2.5, IBC 1007.6.3, IBC 1007.6.4 and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC
10. An area of rescue assistance's 2-way communications must be provided with operating instructions and not require any tight grasp or grip to operate. IFC 1007.6.4, NCAC 6.3.2.5.2 & 6.3.2.5.3 and ADAAG 4.3.11.5 and ADA Standards 207.1 Advisory 105.2.4 ICC/IBC

### **Site Access**

11. Existing buildings other than change of occupancy shall have no less than one accessible route. ADA Standards 206.2.1
12. The main public entrance of the building must be accessible unless it meets one of the exceptions. ADA Standards 202.5 and 206.3
13. 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. ADA Standards 206.3
14. At least 60 percent of all public entrances shall comply with 404 of the ADA Standards. ADA Standards 206.4.1
15. The slope of a walk may not exceed 1 in 20 feet. If handrails are provided, the slope may be 1 in 12 feet. The walk must not have a cross slope greater than 1 in 48. ADA Standards 403.3, 405.2 and 405.3
16. Provide accessible parking. See Table 208.2. ADA Standards 208.2 and Advisory 208.2
17. Access aisles serving parking spaces shall comply with 502.3. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle. Access aisles serving car and van parking spaces shall be 60 inches minimum. ADA Standards Advisory 502.3

18. Access aisles serving car and van parking spaces shall be 60 " min. and must extend the full length of the parking spaces they serve joining an accessible route. Access aisles shall be marked so as to discourage parking in them. ADA Standards Advisory 502.3, 502.3.1, 502.3.2 and 502.3.3
19. An accessible route with a clear width less than 60 inches will provide passing spaces at intervals of 200 feet maximum that are either: a space 60" x 60" min.; or, an intersection of two walking surfaces providing a T-shaped space where the base and arms of the T-shaped space extend 48 inches minimum beyond the intersection. ADA Standards 403.5.3
20. At least one accessible route shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site.  
*Exception:* An accessible route shall not be required between accessible buildings, accessible facilities, accessible elements, and accessible spaces if the only means of access between them is a vehicular way not providing pedestrian access.  
ADA Standards 206.2.2

## Ramps

21. The maximum slope of a ramp may not exceed 1:12 with a cross slope no steeper than 1:48.  
*Note:* The exception to ADA Standards 405.2 cannot be applied due to the more restrictive requirement in the IBC. ADA Standards 405.2 and 405.3
22. Ramps may not rise more than 30 inches without an intermediate landing. ADA Standards 405.6
23. Exterior ramps must have a minimum clear width (handrail to handrail) of 48". The minimum clear width of any ramp run and, where handrails are provided, the clear width between handrails shall be 36" min. Ramps used for egress must be at least as wide as required for corridors.
24. Landings at top and bottom of ramps must be as wide as the ramp by 60 inches.  
ADA Standards 405.7, 405.7.3
25. Ramps at changes of directions must be a minimum of 60" by 60". ADA Standards 405.7.4
26. Ramps with a rise greater than 6" must have handrails along both sides. ADA Standards 405.8
27. Edge protection must be provided on each side of ramp runs and at each side of ramp landings unless one of the exceptions is met. ADA Standards 405.9

## Stairs, Escalators and Elevators

28. At least one accessible route shall connect each story and mezzanine in multi-story buildings and facilities. See exceptions. ADA Standards 206.2.3
29. 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 unless exempted by exception.  
ADA Standards 206.2.3.1

30. Spaces and Elements. At least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility which are otherwise connected by a circulation path unless exempted by exception. ADA Standards 206.2.4
31. Open risers are not permitted. ADA Standards 504.3
32. Stair treads shall be stable, firm, and slip resistant. ADA Standards 504.4

### **Doors, Doorways, and Gates**

33. Door openings shall provide a clear width of 32" 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" deep shall provide a clear opening of 36" minimum. There shall be no projections into the required clear opening width lower than 34" above the finish floor or ground. Projections into the clear opening width between 34" and 80" above the finish floor or ground shall not exceed 4 inches. See exceptions. IBC 1008.1
34. Door handles, pulls, latches, locks and other operating devices on doors required to be accessible by Chapter 11 shall not require tight grasping, tight pinching or twisting of the wrist to operate. IBC 1008.1.9.1
35. Door handles, pulls, latches, locks and other operating devices shall be installed 34 inches minimum and 48 inches maximum above the finished floor. Locks used only for security purposes and not used for normal operation are permitted at any height. IBC 1008.1.9.2
36. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.4.1. ADA Standards 404.2.4.1
37. Doorways less than 36" wide without doors or gates, sliding doors, or folding doors shall have maneuvering clearances complying with Table 404.2.4.2. ADA Standards 404.2.4.2
38. Maneuvering clearances for forward approach shall be provided when any obstruction within 18" of the latch side of a doorway projects more than 8" beyond the face of the door, measured perpendicular to the face of the door or gate. ADA Standards 404.2.4.3
39. The distance between two hinged or pivoted doors in series and gates in series shall be 48" minimum plus the width of doors or gates swinging into the space. ADA Standards 404.2.6
40. Floor or ground surface within required maneuvering clearances shall be fixed, firm and slip resistant. Changes in level are not permitted. See exceptions. ADA Standards 404.2.4.4

### **Floor**

41. Floor and ground surfaces shall be stable, firm, and slip resistant. ADA Standards 302.1 (see exceptions)

## Turning Space

42. The turning space shall be a space of 60" diameter minimum. The space shall be permitted to include knee and toe clearance. ADA Standards 304.3.1
43. The turning space shall be a T-shaped space within a 60" square minimum with arms and base 36" wide minimum. Each arm of the T shall be clear of obstructions 12" minimum in each direction and the base shall be clear of obstructions 24" minimum. The space shall be permitted to include knee and toe clearance only at the end of either the base or one arm. ADA Standards 304.3.2

## General Grab Bar Requirements

44. Circular grab bars must have an outside diameter of 1¼" and 2". ADA Standards 609.2.1
45. 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. ADA Standards 609.2.2
46. 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 grab bar, fastener, mounting device, or supporting structure. ADA Standards 609.8
47. The space between the wall and the grab bar shall be 1-½". The space between the grab bar and projecting objects below and at the ends shall be 1-½" min. The space between the grab bar and projecting objects above shall be 12" min (see exception). ADA Standards 609.3
48. Horizontal grab bars must be installed between 33" min. and 36" max. Above the finish floor measured to the top, except that at water closets for children's environments which must be installed between 18" min and 27" max. The height of the lower grab bar on the back wall of a bathtub shall comply with other applicable requirements. ADA Standards 609.4
49. Grab bars and the surfaces adjacent to them will be free of sharp or abrasive elements and shall have rounded edges. ADA Standards 609.5
50. Grab bars shall not rotate within their fittings. ADA Standards 609.6
51. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space. ADA Standards 609.7

## Toilets, Toilet Rooms, Stalls and Bathing Facilities

52. On every floor where toilets and bathing rooms are provided they must be accessible in accordance with ADA Standards 213.2.
53. Where toilet compartments (stalls) are provided, the first one must be ADA Standards 604.8.1. Accessible Type 1. When 6 or more, or a combination of 6 or more toilets and urinals, are provided at least one of them must be an accessible ADA Standards 604.8.2 type II. ADA Standards 213.3.1

54. Where water closets are provided, the first one provided must be accessible. See exception for children's environments. ADA Standards 213.3.2 and 604.1 (see exceptions)
55. Where more than one urinal is provided, the first one provided must be accessible. ADA Standards 213.3.3
56. Where lavatories, mirrors, bathtubs, or showers are provided, the first one provided must be accessible. ADA Standards 213.3.4, 213.5, and 213.6
57. Either a circular or the T-shaped turning space shall be provided within the toilet and bathing rooms. ADA Standards 603.2.1
58. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space. See exceptions. ADA Standards 603.2.3
59. Clearance around a water closet shall be 60" min. measured perpendicular from the side wall and 56" min. measured perpendicular from the rear wall. The fixture can overlap this space but door can swing into this area. ADA Standards 604.3.1, 603.2.3
60. Grab bars for water closets shall comply with The General Grab Bar Requirements. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall. See exceptions. ADA Standards 604.5
61. The side wall grab bar shall be 42 inches long minimum, located 12" maximum from the rear wall and extending 54 inches minimum from the rear wall. ADA Standards 604.5.1
62. The rear wall 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. See exceptions. ADA Standards 604.5.2
63. Type 1 wheelchair accessible stalls/compartments shall be 60" wide min. measured perpendicular to the side wall, and 56" deep min for wall hung water closets and 59" deep min" for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60" wide min. measured perpendicular to the side wall, and 59" deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall. ADA Standards 604.8.1.1
64. Toilet compartment doors, including door hardware, shall comply with Doors, Doorways, and Gates except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42" min. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4" max 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" max from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. ADA Standards 604.8.1.2
65. Toilet compartment doors, including door hardware, shall comply with Doors, Doorways, and Gate, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42" min. The door shall be self-closing. A door

pull complying with the exception to Doors, Doorways, and Gate shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. ADA Standards 604.8.2.2

66. The requirements in ADA Standards 604.9 are to be followed where the exception for children's water closets is used. See table. ADA Standards 604.9, Advisory 604.9

| <b>Advisory Specifications for Water Closets Serving Children Ages 3 through 12</b> |                                    |                                    |                                    |
|---|------------------------------------|------------------------------------|------------------------------------|
|   | <b>Ages 3 and 4</b>                | <b>Ages 5 through 8</b>            | <b>Ages 9 through 12</b>           |
| Water Closet Centerline   | 12 inches<br>(305 mm)              | 12 to 15 inches<br>(305 to 380 mm) | 15 to 18 inches<br>(380 to 455 mm) |
| Toilet Seat Height  | 11 to 12 inches<br>(280 to 305 mm) | 12 to 15 inches<br>(305 to 380 mm) | 15 to 17 inches<br>(380 to 430 mm) |
| Grab Bar Height   | 18 to 20 inches<br>(455 to 510 mm) | 20 to 25 inches<br>(510 to 635 mm) | 25 to 27 inches<br>(635 to 685 mm) |

67. Grab bars for bathtubs shall comply with the requirements of ADA 607.4.

**Elevators**

68. Elevators shall comply with the ADA Standards and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic. ADA Standards 407.1
69. Elevators and lifts required by the ADA Standards may not be locked inoperable. They must be readily operational at all times. The ADA and other Federal civil rights laws require that accessible features be maintained in working order so that they are accessible to and usable by those people they are intended to benefit. ADA Standards Advisory 407.1
70. A visible and audible signal shall be provided at each hoist way entrance to indicate which car is answering a call and the car's direction of travel. Where in-car signals are provided, they shall be visible from the floor area adjacent to the hall call buttons.

*Exceptions:*

- (1) Visible and audible signals shall not be required at each destination oriented elevator where a visible and audible signal complying with 407.2.2 is provided indicating the elevator car designation information.
- (2) In existing elevators, a signal indicating the direction of car travel shall not be required. ADA Standards 407.2.2.1

71. Elevator hoist way and car doors shall open and close automatically. ADA Standards 407.3.2
72. Door reopening devices shall remain effective for 20 seconds minimum. ADA Standards 407.3.3.3
73. Elevator doors shall remain fully open in response to a car call for 3 seconds minimum. ADA Standards 407.3.5



74. Limited-use/limited-application elevators shall comply with 408 of the ADA Standards and with ASME A17.1. They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic. ADA Standards 408.1
75. Elevator cars shall provide a clear width 42" min. and a clear depth 54" min. Car doors shall be positioned at the narrow ends of cars and shall provide 32" min. clear width.  
*EXCEPTIONS:*
- (1) Cars that provide a clear width 51" min. shall be permitted to provide a clear depth 51" min. provided that car doors provide a clear opening 36" wide minimum.
  - (2) Existing elevator cars shall be permitted to provide a clear width 36" min. clear depth 54" minimum and a net clear platform area 15 sq-ft min. ADA Standards 408.4.1
76. Platform lifts shall have low-energy power-operated doors or gates complying with 404.3. 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" minimum. *EXCEPTION:* Platform lifts serving two landings maximum and having doors or gates on opposite sides shall be permitted to have self-closing manual doors or gates. ADA Standards 410.6

### **Assembly Seating**

77. In restaurants and cafeterias, an accessible route shall be provided to all dining areas, including raised or sunken dining areas, and outdoor dining areas. ADA Standards 206.2.5
78. Wheelchair spaces shall be provided in accordance with Table 221.2.1.1. 2010 Standard 221.2.1.1
79. In each luxury box, club box, and suite within arenas, stadiums, and grandstands, wheelchair spaces shall be provided in accordance with Table 221.2.1.1. ADA Standards 221.2.1.2
80. In boxes other than those required to comply with 221.2.1.2, the total number of wheelchair spaces required shall be determined in accordance with Table 221.2.1.1. Wheelchair spaces shall be located in not less than 20 percent of all boxes provided. Wheelchair spaces shall comply with 802.1. ADA Standards 221.2.1.3
81. Wheelchair spaces shall be dispersed horizontally and vertically. See exceptions. ADA Standards 221.2.3
82. At least one companion seat complying with 802.3 of the ADA Standards shall be provided for each wheelchair space required by 221.2.1. ADA Standards 221.3
83. At least 5 percent of the total number of aisle seats provided shall comply with 802.4 and shall be the aisle seats located closest to accessible routes. ADA Standards 221.4
84. While the use of platform lifts is allowed by 206.7.9 of the ADA Standards, ramps are recommended to provide access to player seating areas serving an area of sport activity.

### **Protruding Objects**

85. Objects with leading edges more than 27 inches and not more than 80 inches above the finish floor or ground shall protrude 4 inches maximum horizontally into the circulation path.  
*Exception:* Handrails shall be permitted to protrude 4½ inches maximum. ADA Standards 307.2



86. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12" max. When located 27" min. and 80" max above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12", the lowest edge of such sign or obstruction shall be 27" max. or 80" min. above the finish floor or ground.

*Exception:* The sloping portions of handrails serving stairs and ramps shall not be required to comply. ADA Standards 307.3

87. Vertical clearance shall be 80" high min. Guardrails or other barriers shall be provided where the vertical clearance is less than 80" high. The leading edge of such guardrail or barrier shall be located 27" max above the finish floor or ground.

*Exception:* Door closers and door stops shall be permitted to be 78" min. above the finish floor or ground. ADA Standards 307.4

88. Protruding objects shall not reduce the clear width required for accessible routes.

ADA Standards 307.5