

2010 ADA Standards for Accessible Design for Public Accommodations and Commercial Facilities: Title III

CHAPTER 3 BUILDING ELEMENTS

301 General

301.1 Scope. The provisions of Chapter 3 shall apply where required by Chapter 2 or where referenced by a requirement in this document.

302 Floor or Ground Surfaces

302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with 302. EXCEPTIONS: 1. Within animal containment areas, floor and ground surfaces shall not be required to be stable, firm, and slip resistant. 2. Areas of sport activity shall not be required to comply with 302.

302.2 Carpet. 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 pile texture. Pile height shall be 1/2 inch (13 mm) maximum. 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 303.

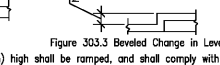


302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

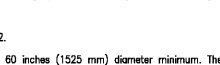


302.3.1 General. Where changes in level are permitted in floor or ground surfaces, they shall comply with 303. EXCEPTIONS: 1. Animal containment areas shall not be required to comply with 303. 2. Areas of sport activity shall not be required to comply with 303.

302.3.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.



302.3.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

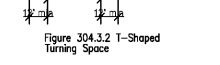


302.3.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply with 405 or 406.

304 Turning Space

304.1 General. Turning space shall comply with 304. 304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

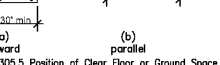
304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2. 304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.



304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.



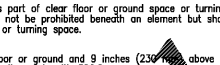
305 Clear Floor or Ground Space 305.1 General. Clear floor or ground space shall comply with 305. 305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.



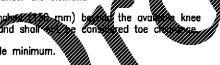
305.3 Size. The clear floor or ground space shall be 30 inches (762 mm) minimum by 48 inches (1220 mm) minimum.



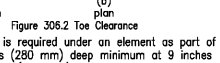
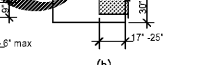
305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with 306. 305.5 Position. Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to an element.



305.6 Approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space.



305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be provided in accordance with 305.7.1 and 305.7.2.

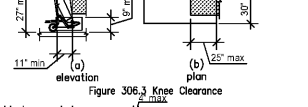


305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

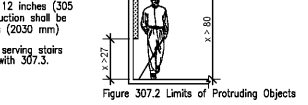
306 Knee and Toe Clearance 306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall comply with 306. Additional space shall not be prohibited beneath an element but shall not be considered as part of the clear floor or ground space or turning space.



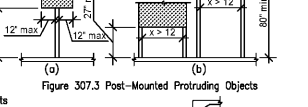
307 Protruding Objects 307.1 General. Protruding objects shall comply with 307. 307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path. EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.



307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum 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 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum above the finish floor or ground. EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be required to comply with 307.3.

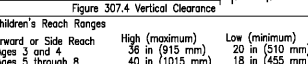


307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground. EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

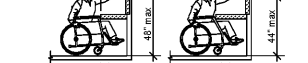


307.5 Required Clear Width. Protruding objects shall not reduce the clear width required for accessible routes.

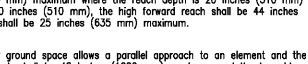
308 Reach Ranges 308.1 General. Reach ranges shall comply with 308. 308.2 Forward Reach. 308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.



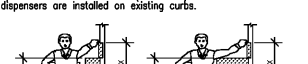
308.2.2 Obstructed High Forward Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.



308.3 Side Reach. 308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground. EXCEPTIONS: 1. An obstruction is 10 inches (255 mm) maximum above the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum. 2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.



308.3.2 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the high side reach shall be 48 inches (1220 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum where the reach depth exceeds 10 inches (255 mm). The high side reach shall be 44 inches (1120 mm) maximum where the reach depth is 24 inches (610 mm) maximum.



309 Operable Parts 309.1 General. Operable parts shall comply with 309. 309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided. 309.3 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

309.5 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.6 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

309.7 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.8 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

309.9 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.10 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

309.11 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.12 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

309.13 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.14 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

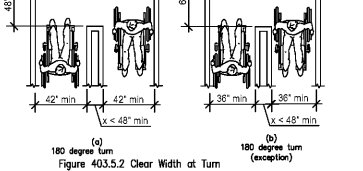
309.15 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.16 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

309.17 Height. Operable parts shall be 54 inches (1370 mm) minimum above the finish floor or ground. EXCEPTION: Gas pump nozzles shall not be required to be 54 inches (1370 mm) minimum above the finish floor or ground.

309.18 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate shall be 5 pounds (22.2 N) maximum. EXCEPTION: Gas pump nozzles shall not be required to be 5 pounds (22.2 N) maximum above the finish floor or ground.

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either: a space 60 inches (1525 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground, or a T-shaped space complying with 304.3.2. EXCEPTION: Where the slope and area of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

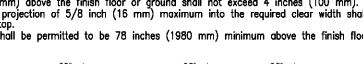


403.6 Handrails. Where handrails are provided along walking surfaces with running slopes not steeper than 1:20 they shall comply with 505.

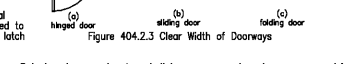
404 Doors, Doorways, and Gates 404.1 General. Doors, doorways, and gates that are part of an accessible route shall comply with 404. EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with 404.2.7, 404.2.8, 404.2.9, 404.3.2 and 404.3.4 through 404.3.7.

404.2 Manual Doors, Doorways, and Manual Gates. Manual doors and doorways and manual gates intended for user passage shall comply with 404.2. 404.2.1 Revolving Doors, Gates, and Turntables. Revolving doors, revolving gates, and turntables shall not be part of an accessible route. 404.2.2 Double-Leaf Doors and Gates. At least one of the active leaves of doorways with two leaves shall comply with 404.2.3 and 404.2.4.

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear opening 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 (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm). EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4.1. 404.2.4.1.1 Forward Approach. Forward approach shall be 48 inches (1220 mm) minimum. Side approach shall be 48 inches (1220 mm) minimum. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



404.2.4.1.2 Side Approach. Side approach shall be 48 inches (1220 mm) minimum. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



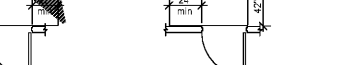
404.2.4.1.3 Rear Approach. Rear approach shall be 48 inches (1220 mm) minimum. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



404.2.4.1.4 Diagonal or Corner Type. Diagonal or corner type curbs shall have a clear width of 48 inches (1220 mm) minimum. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



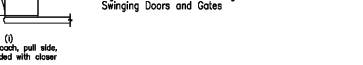
404.2.4.1.5 Vision Lights. Vision lights shall be 48 inches (1220 mm) minimum above the finish floor or ground. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



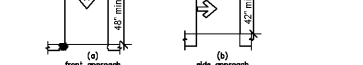
404.2.4.1.6 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full power-assisted doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see 101.2.2.2). Power-assisted doors shall comply with ANSI/BHMA A156.19 (1997) (2002 edition) (incorporated by reference, see 101.2.2.2). EXCEPTION: Vision lights shall be 48 inches (1220 mm) minimum above the finish floor or ground.



404.2.4.1.7 Clear Width. Clear width shall be 48 inches (1220 mm) minimum in power-on and power-off mode. The minimum clear width for automatic door systems in a doorway shall be based on the clear opening provided in all leaves in the open position.



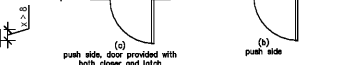
404.2.4.1.8 Thresholds. Thresholds and changes in level at doorways shall comply with 404.2.5. 404.2.5 Thresholds. Thresholds and changes in level at doorways shall comply with 404.2.5. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.



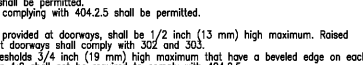
404.2.4.2.1 Doors in Series and Gates in Series. Doors in series and gates in series shall comply with 404.2.5. 404.2.5 Controls. Manually operated controls shall comply with 309. The clear floor space adjacent to the control shall be located beyond the arc of the door swing.

404.2.5 Break Out Opening. Where doors and gates without standby power are a part of a means of egress, the break out opening at swinging or sliding doors and gates shall be 32 inches (815 mm) minimum when operated in emergency mode. EXCEPTION: Where manual swinging doors and gates comply with 404.2 and serve the same means of egress compliance with 404.3.6 shall not be required.

404.2.6 Ramps. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7. 405.7.1 Slope. Landings shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted.



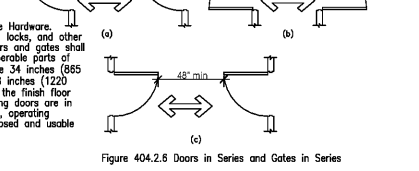
405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing. 405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum. 405.7.4 Change in Direction. Ramps that change direction on between runs at landings shall have a clear landing 50 inches (1255 mm) minimum by 80 inches (1525 mm) minimum.



405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the landing area. 405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505. EXCEPTION: Within employee work areas, handrails shall not be required where ramps that are part of common use circulation paths are designed to permit the installation of handrails complying with 505. Ramps not subject to the exception to 405.8 shall be designed to maintain a 36 inch (915 mm) minimum clear width when handrails are installed.

405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings. EXCEPTION: Edge protection shall not be required on ramps that are not required to have handrails and have sides complying with 405.3. 2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run or stairway. 3. Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of 1/2 inch (13 mm) maximum within 10 inches (255 mm) horizontally of the minimum landing area specified in 405.7. 405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

404.2.7 Door and Gate Hardware. Handsets, pulls, latches, locks, and other operable parts on doors and gates shall comply with 308.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the closed position, operating hardware shall be exposed and usable from both sides.



EXCEPTIONS: 1. Sliding locks shall be permitted in any location at existing glazed doors and gates, existing overhead rolling doors or grilles, and similar existing doors or grilles that are designed with locks that are activated only at the top or bottom rail. 2. Access points in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to have operable parts of the release of latch on self-latching devices of 54 inches (1370 mm) maximum above the finish floor or ground provided the self-latching devices are not also self-locking devices and operated by means of a key, electronic opener, or integral combination lock.

404.2.8 Closing Speed. Door and gate closing speed shall comply with 404.2.8. 404.2.8.1 Door Closers and Gate Closers. 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.

404.2.8.2 Spring Hinges. 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.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. EXCEPTIONS: 1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop. 2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) 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 (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

EXCEPTIONS: 1. Sliding doors shall not be required to comply with 404.2.10. 2. Tempered glass doors without styles and having a bottom rail or shoe with the top leading edge tapered at 60 degrees minimum from the horizontal shall not be required to meet the 10 inch (255 mm) bottom rail height requirement.

3. Doors and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall be required to comply with 404.2.10. 4. Existing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or ground shall not be required to provide smooth surfaces complying with 404.2.10, provided that the kick plates are installed, cavities created by such kick plates are capped.

404.2.11 Vision Lights. Doors, gates, gates in series, or gates in series or gates in series or more glazed panels that permit viewing into the public way shall have a bottom of at least one glazed panel located 43 inches (1090 mm) minimum above the finish floor or ground. EXCEPTION: Vision lights with a bottom of at least one glazed panel shall not be required to comply with 404.2.11.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full power-assisted doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see 101.2.2.2). Power-assisted doors shall comply with ANSI/BHMA A156.19 (1997) (2002 edition) (incorporated by reference, see 101.2.2.2). EXCEPTION: Vision lights shall be 48 inches (1220 mm) minimum above the finish floor or ground.

404.3.1 Clear Width. Clear width shall be 48 inches (1220 mm) minimum in power-on and power-off mode. The minimum clear width for automatic door systems in a doorway shall be based on the clear opening provided in all leaves in the open position.

404.3.2 Maneuvering Clearances. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.1.

404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with 404.2.5. 404.3.4 Doors in Series and Gates in Series. Doors in series and gates in series shall comply with 404.2.5.

404.3.5 Controls. Manually operated controls shall comply with 309. The clear floor space adjacent to the control shall be located beyond the arc of the door swing.

404.3.6 Break Out Opening. Where doors and gates without standby power are a part of a means of egress, the break out opening at swinging or sliding doors and gates shall be 32 inches (815 mm) minimum when operated in emergency mode. EXCEPTION: Where manual swinging doors and gates comply with 404.2 and serve the same means of egress compliance with 404.3.6 shall not be required.

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