



IBC Revisions Regarding Door Operations and Door Hardware

2012 IBC → 2015 IBC → 2018 IBC → 2021 IBC → 2024 IBC

Revised February 2024

2015 IBC ⁱ		2018 IBC ⁱ		2021 IBC ⁱ		2024 IBC ⁱ	
Section and Title	Summary of Changes 2012 to 2015 IBC	Section and Title	Summary of Changes 2015 to 2018 IBC	Section and Title	Summary of Changes 2018 to 2021 IBC	Section and Title	Summary of Changes 2021 to 2024 IBC
Chapter 4 Special Detailed Requirements Based on Occupancy and Use; Section 403.5.3 Stairway door operation							
403.5.3 Stairway door operation. (High-Rise Buildings)		403.5.3 Stairway door operation. (High-Rise Buildings)		403.5.3 Stairway door operation. (High-Rise Buildings)		403.5.3 Stairway door operation. (High-Rise Buildings)	Revised requirements which permit stairway doors to be locked preventing re-entry into the building to include 3 conditions where these stairway doors are to unlock.
Chapter 10 Means of Egress, Section 1010 Door, Gates and Turnstiles							
1010.1 Doors.		1010.1 Doors.		1010.1 General	Revised title of section. Explicitly states which sections of 1010 are applicable to doors; to gates; and to turnstiles.	1010.1 General	
1010.1.1 Size of doors.		1010.1.1 Size of doors.	Editorial revisions regarding clear opening width. Added “not required to be accessible” conditions to exceptions 1 and 2. Added two exceptions.	1010.1.1 Size of doors.	Removed limit on maximum width of swinging door leaf. Editorial revisions.	1010.1.1 Size of doors.	Deletes several no longer needed exceptions b/c of changes in 2018 IBC. Revised exceptions addressing doors in toilets, saunas, and showers.
1010.1.1.1 Projections into clear width.		1010.1.1.1 Projections into clear width.	Editorial revisions regarding clear opening width.	1010.1.1.1 Projections into clear opening.	Revised from “clear width” to “clear opening”. Added exception for common door hardware at head of opening.	1010.1.1.1 Projections into clear opening.	Adds frame stops. Editorial revisions.
1010.1.2 Door swing.		1010.1.2 Door swing.		1010.1.2 Egress door types.	Revised name from “Door swing” to “Egress door types”. Included balanced doors.	1010.1.2 Egress door types.	

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1010.1.3 Door opening force.	Clarifies max door opening force is not applicable to forces required to retract latch bolts or other devices that hold door in closed position.	1010.1.3 Door opening force.		1010.1.3 Forces to unlatch and open doors.	Revised name from “Door opening force” to “Forces to unlatch and open doors”. Separated door latching forces from forces to open doors.	1010.1.3 Forces to unlatch and open doors.	
				1010.1.3.2 Manual horizontal sliding doors.	Where a manual horizontal sliding door is required to latch, rebound to partially open position is to be prevented.	1010.1.3.2 Manual horizontal sliding doors.	
1010.1.9 Door operations		1010.1.9 Door operations		1010.2 Door operations.		1010.2 Door operations.	
				1010.2.1 Unlatching	Clarifies unlatching a door for egress to require not more than one motion in a single linear or rotational direction to release all latching and all locking devices	1010.2.1 Unlatching	Editorial revisions to mesh with revisions in 1010.2.4 Locks and latches.
1010.1.9.1 Hardware.		1010.1.9.1 Hardware.		1010.2.2 Hardware		1010.2.2 Hardware	
1010.1.9.2 Hardware height.		1010.1.9.2 Hardware height.		1010.2.3 Hardware height		1010.2.3 Hardware height	Editorial revisions of exception of hardware height on doors and gates to swimming pools.
1010.1.9.3 Locks and latches.	In 2 nd exception, revised from the “main exterior doors” to the “main doors” to a space are permitted to be equipped with a key-operated locking device.	1010.1.9.4 Locks and latches.	Exception permits locking doors serving roofs to prevent entry from the roof.	1010.2.4 Locks and latches.	Exception for Group I-1 Condition 2 and Group I-2 permitting locking doors for clinical needs or security threat. Exception with requirements for egress from exterior space through a building. Exceptions for locking doors to balconies and decks, and exterior spaces serving dwelling or sleeping units, or private offices.	1010.2.4 Locks and latches.	Four new definitions for different bolts. Revised exception 3 to clarify key-operated locks permitted on main exterior doors or main doors to tenant space. Revised exception 4, and refers to new Table 1010.2.4 for the inactive leaf of a pair of doors regarding permitted and prohibited use of manual bolts, automatic flush bolts, and constant latching flush bolts. Revised exception 5 to permit individual dwelling or sleeping units to have single exit.

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1010.1.9.4 Bolt locks.		1010.1.9.5 Bolt locks.		1010.2.5 Bolt locks.		Deleted	<Provisions that were in 1010.2.5 Bolt locks, now incorporated in 1010.2.1 Unlatching, and in 1010.2.4 Locks and latches.>
1010.1.9.5 Unlatching.		1010.1.9.6 Unlatching.	Adds requirement that closet doors which latch in the closed position to be openable from inside the closet.	1010.2.6 Closet doors.		1010.2.5 Closet doors.	
1010.1.9.11 Stairway doors.		1010.1.9.12 Stairway doors.		1010.2.7 Stairway doors.		1010.2.6 Stairway doors.	Revised item 3, which permits stairway doors to be locked preventing re-entry into the building, to include 3 conditions where these stairway doors are to unlock.
		1010.1.4.4 Locking arrangements in educational occupancies.	New section for Group E and Group B educational occupancies explicitly permitting locking of egress doors to keep intruders from entering the room.	1010.2.8 Locking arrangements in educational occupancies.	Adds Group I-4 occupancies. Editorial revisions.	1010.2.7 Locking arrangements in educational occupancies.	
1010.1.10 Panic and fire exit hardware.	Exception permits electromagnetically locked egress doors per 1010.1.9.9.	1010.1.10 Panic and fire exit hardware.	Exception permits electromagnetically locked egress doors per 1010.1.9.9 (sensor release of electrically locked egress doors) or 1010.1.9.10 (door hardware release of electrically locked egress doors).	1010.2.9 Panic and fire exit hardware.	Exceptions for exits doors serving occupied exterior areas, and for courtrooms.	1010.2.8 Panic and fire exit hardware.	In exception 2, deletes 1010.2.11 (sensor release of electrically locked egress doors).
				1010.2.9.1 Refrigeration machinery room.	Section with requirements for doors serving refrigeration machinery rooms.	1010.2.8.1 Refrigeration machinery room.	
				1010.2.9.2 Rooms with electrical equipment.	Section with requirements for doors serving rooms with electrical equipment.	1010.2.8.2 Rooms with electrical equipment.	
1010.1.10.1 Installation (of panic and fire exit hardware)		1010.1.10.1 Installation (of panic and fire exit hardware)		1010.2.9.3 Installation (of panic and fire exit hardware)		1010.2.8.3 Installation (of panic and fire exit hardware)	
		1010.1.9.3 Monitored or recorded egress.	New section explicitly requiring egress doors equipped with systems that monitor or record egress activity to meet egress as required and / or permitted by the code.	1010.2.10 Monitored or recorded egress.		1010.2.9 Monitored or recorded egress, and access control systems.	Revised to include egress doors with access control systems (ingress control systems).

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1010.1.9.9 Electromagnetically locked egress doors.	Added Groups I-1, I-2, and I-4 to where permitted. Editorial revisions of requirements. Door locking system units to be listed to UL 294.	1010.1.9.10 Door hardware release of electrically locked egress doors.	Name revised from “Electromagnetically locked egress doors.” to “Door hardware release of electrically locked egress doors.” Editorial revisions of requirements.	1010.2.11 Door hardware release of electrically locked egress doors.		1010.2.10 Door hardware release of electrically locked egress doors.	Editorial revisions. Adds UL 1034 where UL 294 is referenced.
1010.1.9.8 Sensor release of electrically locked egress doors.	Revised name from “Access-controlled egress doors” to “Sensor release of electrically locked egress doors”. Editorial revisions of requirements. Door locking system units to be listed to UL 294.	1010.1.9.9 Sensor release of electrically locked egress doors.	Permitted in all occupancies except Group H. Editorial revisions of requirements.	1010.2.12 Sensor release of electrically locked egress doors.		1010.2.11 Sensor release of electrically locked egress doors	Editorial revisions. Adds UL 1034 where UL 294 is referenced.
1010.1.9.7 Delayed egress.	Editorial revisions of requirements. Door locking system units to be listed to UL 294. Exception that permits egress path through two delayed egress doors in Groups I-2 and I-3 occupancies.	1010.1.9.8 Delayed egress.	New exception permitting delayed egress on exit or exit access doors, other than the main door, serving a courtroom.	1010.2.13 Delayed egress.	Courtroom exception editorially revised to mandatory text.	1010.2.12 Delayed egress.	Editorial revisions.
		1010.1.9.8.1 Delayed egress locking system.	Exception that permits egress path through two delayed egress doors in Groups I-1 and I-4 occupancies.	1010.2.13.1 Delayed egress locking system.	Revised exceptions addressing Groups I-1, I-2, and I-4 occupancies.	1010.2.12.1 Delayed egress locking system.	Editorial revisions. Adds UL 1034 where UL 294 is referenced.
1010.1.9.6 Controlled egress doors in Groups I-1 and I-2.	Revised name from “Special locking arrangements in Group I-2” to “Controlled egress doors in Groups I-1 and I-2”. Editorial revisions of requirements. Door locking system units to be listed to UL 294.	1010.1.9.7 Controlled egress doors in Groups I-1 and I-2.		1010.2.14 Controlled egress doors in Groups I-1 and I-2.	Minor revisions.	1010.2.13 Controlled egress doors in Groups I- 1 and I-2.	Editorial revisions. Adds UL 1034 where UL 294 is referenced.
						1010.2.14 Elevator lobby exit access doors.	New section with requirements permitting electrically locked exit access doors which provide egress from elevator lobbies.

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1010.1.9.10 Locking arrangements in correctional facilities.		1010.1.9.11 Locking arrangements in buildings within correctional facilities.	Name revised to “Locking arrangements in buildings with correctional facilities.”	1010.2.15 Locking arrangements in buildings within correctional facilities.		1010.2.15 Locking arrangements in buildings within correctional facilities.	
1010.1.4 Special Doors		1010.1.4 Special Doors		1010.3 Special Doors		1010.3 Special Doors	
1010.1.4.1 Revolving doors.	Required to comply with BHMA A156.27. Sets max. speed for power-operated revolving doors. Requires emergency stop switch near entry point for power or automatic revolving doors. Requires revolving doors to breakout in accordance with BHMA A156.27.	1010.1.4.1 Revolving doors.	Minor edit.	1010.3.1 Revolving doors.	Minor edit.	1010.3.1 Revolving doors.	
1010.1.4.2 Power-operated doors.		1010.1.4.2 Power-operated doors.	Added BHMA A156.38 as requirement for low-energy power-operated sliding doors and low-energy power-operated folding doors. Added definitions for power-operated doors, low-energy power operated doors, and power-assisted door.	1010.3.2 Power-operated doors.		1010.3.2 Power-operated doors.	
1010.1.4.3 Special purpose horizontal sliding, accordion or folding doors.	Revised name from “Horizontal sliding doors” to “Special purpose horizontal sliding, accordion or folding doors.”	1010.1.4.3 Special purpose horizontal sliding, accordion or folding doors.		1010.3.3 Special purpose horizontal sliding, accordion or folding doors.	Recognizes these doors could be in egress path from both sides of door.	1010.3.3 Special purpose horizontal sliding, accordion or folding doors.	
Chapter 11 Accessibility							
				1105.1.1 Automatic doors (at public entrances)	New section with requirements for automatic doors at public entrances required to be accessible.	1105.1.1 Automatic doors (at public entrances)	Revisions to more clearly address buildings with mixed occupancies.

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