

2012 IBC Access Controlled doors	1008.1.9.8 Access Controlled Egress doors	1008.1.9.7 Delayed egress locks	1008.1.9.9 Electromagnetically locked egress doors	100.1.9.11 Stairway doors
A sensor shall be provided on the egress side arranged to detect an occupant approaching the doors. The doors shall be arranged to unlock by a signal from or loss of power to the sensor.	✓			
The listed hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.			✓	✓
Loss of power to that part of the access control system which locks the doors shall automatically unlock the doors.	✓			
The doors unlock upon loss of power controlling the lock or lock mechanism.		✓		
Loss of power to the listed hardware automatically unlocks the door.			✓	✓
The doors shall be arranged to unlock from a manual unlocking device located 40 inches to 48 inches (1016 mm to 1219 mm) vertically above the floor and within 5 feet (1524 mm) of the secured doors. Ready access shall be provided to the manual unlocking device and the device shall be clearly identified by a sign that reads "PUSH TO EXIT." When operated, the manual unlocking device shall result in direct interruption of power to the lock-independent of the access control system electronics-and the doors shall remain unlocked for a minimum of 30 seconds.	✓			
The listed hardware is capable of being operated with one hand.			✓	✓
Operation of the listed hardware releases to the electromagnetic lock and unlocks the door immediately.			✓	✓
Activation of the building fire alarm system, if provided, shall automatically unlock the doors, and the doors shall remain unlocked until the fire alarm system has been reset.	✓			
Activation of the building automatic sprinkler or fire detection system, if provided, shall automatically unlock the doors. The doors shall remain unlocked until the fire alarm system has been reset.	✓			
The doors unlock upon actuation of the automatic sprinkler system or automatic fire detection system.		✓		
Entrance doors in buildings with an occupancy in Group A, B, E or M shall not be secured from the egress side during periods that the building is open to the general public.	✓			
The door locks shall have the capability of being unlocked by a signal from the fire command center.		✓		
The initiation of an irreversible process which will release the latch in not more than 15 seconds when a force of not more than 15 pounds (67 N) is applied for 1 second to the release device. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the door lock has been released by the application of force to the releasing device, relocking shall be by manual means only.		✓		
A sign shall be provided on the door located above and within 12 inches (305 mm) of the release device reading: PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.		✓		
Emergency lighting shall be provided at the door.		✓		

#### 1008.1.9.8 Access-controlled egress doors.

(NOTE: The underlined text represents changes from 2009 to 2012 IBC)

The entrance doors in a **means of egress** in buildings with an occupancy in Group A, B, E, I-2, M, R-1 or R-2 and entrance doors to tenant spaces in occupancies in Groups A, B, E, I-2, M, R-1 and R-2 are permitted to be equipped with an **approved** entrance and egress access control system, **listed in accordance with UL 294**, which shall be installed in accordance with all of the following criteria:

1. A sensor shall be provided on the egress side arranged to detect an occupant approaching the doors. The doors shall be arranged to unlock by a signal from or loss of power to the sensor.
2. Loss of power to that part of the access control system which locks the doors shall automatically unlock the doors.
3. The doors shall be arranged to unlock from a manual unlocking device located 40 inches to 48 inches (1016 mm to 1219 mm) vertically above the floor and within 5 feet (1524 mm) of the secured doors. Ready access shall be provided to the manual unlocking device and the device shall be clearly identified by a sign that reads "PUSH TO EXIT." When operated, the manual unlocking device shall result in direct interruption of power to the lock-independent of the access control system electronics-and the doors shall remain unlocked for a minimum of 30 seconds.
4. Activation of the building fire alarm system, if provided, shall automatically unlock the doors, and the doors shall remain unlocked until the fire alarm system has been reset.
5. Activation of the building automatic sprinkler or fire detection system, if provided, shall automatically unlock the doors. The doors shall remain unlocked until the fire alarm system has been reset.
6. Entrance doors in buildings with an occupancy in Group A, B, E or M shall not be secured from the egress side during periods that the building is open to the general public.

#### 1008.1.9.7 Delayed egress locks.

**Approved, listed**, delayed egress locks shall be permitted to be installed on doors serving any occupancy except Group A, E and H occupancies in buildings that are equipped throughout with an **automatic sprinkler system** in accordance with Section 903.3.1.1 or an **approved** automatic smoke or heat detection system installed in accordance with Section 907, provided that the doors unlock in accordance with Items 1 through 6 below. A building occupant shall not be required to pass through more than one door equipped with a delayed egress lock before entering an **exit**.

1. The doors unlock upon actuation of the **automatic sprinkler system** or automatic fire detection system.
2. The doors unlock upon loss of power controlling the lock or lock mechanism.
3. The door locks shall have the capability of being unlocked by a signal from the fire command center.
4. The initiation of an irreversible process which will release the latch in not more than 15 seconds when a force of not more than 15 pounds (67 N) is applied for 1 second to the release device. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the door lock has been released by the application of force to the releasing device, relocking shall be by manual means only.

Exception: Where approved, a delay of not more than 30 seconds is permitted.

5. A sign shall be provided on the door located above and within 12 inches (305 mm) of the release device reading: PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.
6. Emergency lighting shall be provided at the door.

#### 1008.1.9.9 Electromagnetically locked egress doors.

Doors in the *means of egress in buildings with* an occupancy in Group A, B, E, M, R-1 or R-2 and doors to tenant spaces in Group A, B, E, M, R-1 or R-2, shall be permitted to be electromagnetically locked if equipped with listed hardware that incorporates a built-in switch and meet the requirements below:

1. The listed hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.
2. The listed hardware is capable of being operated with one hand.
3. Operation of the *listed* hardware directly interrupts the power to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the listed hardware automatically unlocks the door.
5. Where panic or *fire exit hardware* is required by Section 1008.1.10, operation of the *listed* panic or *fire exit hardware* also releases the electromagnetic lock.

#### 1008.1.9.11 Stairway doors.

*Interior stairway means of egress* doors shall be openable from both sides without the use of a key or special knowledge or effort.

##### Exceptions:

1. *Stairway* discharge doors shall be openable from the egress side and shall only be locked from the opposite side.
2. This section shall not apply to doors arranged in accordance with Section 403.5.3.
3. In *stairways* serving not more than four stories, doors are permitted to be locked from the side opposite the egress side, provided they are openable from the egress side and capable of being unlocked simultaneously without unlatching upon a signal from the fire command center, if present, or a signal by emergency personnel from a single location inside the main entrance to the building.
4. *Stairway* exit doors shall be openable from the egress side and shall only be locked from the opposite side in Group B, F, M and S occupancies where the only interior access to the tenant space is from a single *exit stair* where permitted in Section 1021.2.
5. *Stairway* exit doors shall be openable from the egress side and shall only be locked from the opposite side in Group R-2 occupancies where the only interior access to the *dwelling unit* is from a single *exit stair* where permitted in Section 1021.2.

#### 403.5.3 Stairway door operation.

*Stairway* doors other than the **exit discharge** doors shall be permitted to be locked from the **stairway** side. **Stairway** doors that are locked from the **stairway** side shall be capable of being unlocked simultaneously without unlatching upon a signal from the **fire command center**.

##### 403.5.3.1 Stairway communication system.

A telephone or other two-way communications system connected to an **approved constantly attended station** shall be provided at not less than every fifth floor in each stairway where the doors to the **stairway** are locked.