



Egress Door Locking Arrangement Information Sheet

INF-002
Date:1/1/17
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Approved by:
RWM

Egress doors require that they be readily openable without the use of a key or special knowledge or effort. There are some exceptions, and some of those are covered below. Should you have any questions, please contact the Fire Prevention Bureau.

A. Delayed egress doors – CFC 1010.1.9.7

Delayed egress locks are permitted on doors in any occupancy except for Group A, E, H and L (**Exception:** Group A courtrooms are permitted to utilize delayed egress locks). Buildings equipped with delayed egress locks must have an automatic sprinkler system installed throughout. The delayed egress system shall be installed and operated in accordance with the following:

1. The delay electronics of the delay egress locking system shall deactivate upon actuation of the automatic sprinkler system or automatic fire detection system, allowing immediate free egress.
2. The delay electronics of the delayed egress locking system shall deactivate upon loss of electrical power, allowing immediate free egress to any one of the following:
 - 2.1. The egress-control device itself.
 - 2.2. The smoke detection system.
 - 2.3. Means of egress illumination as required by Section 1008.
3. The delayed egress locking system shall have the capability of being deactivated at the fire command center and other approved locations.
4. An attempt to egress shall initiate an irreversible process that shall allow such egress in not more than 15 seconds when a physical effort to exit is applied to the egress side door hardware for not more than 3 seconds. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the delay electronics have been deactivated, rearming the delay electronics shall be by manual means only. (**Exception:** In facilities housing Alzheimer's or dementia clients, a delay of not more than 30 seconds is permitted on a delayed egress door).
5. The egress path from any point shall not pass through more than one delayed egress locking system. (**Exception:** In Group 1-2 or I-3 occupancies, the egress path from any point in the building shall not pass through more than two delayed egress locking systems provided the combined delay does not exceed 30 seconds).
6. A sign shall be provided on the door and shall be located above and within 12 inches of the door exit hardware:

6.1 For doors that swing in the direction of egress, the sign shall read: PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.



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6.2 For doors that swing in the opposite direction of egress, the sign shall read: PULL UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.

6.3 Sign lettering shall be at least 1 inch in height and shall have a stroke of not less than 1/8 inch.

6.4 A tactile sign shall also be provided in Braille and raised characters, which complies with Chapter 11B. (**Exception:** Where approved, in Group I occupancies, the installation of a sign is not required where care recipients who, because of clinical needs, require restraint or containment as part of the function of the treatment area).

7. Emergency lighting shall be provided on the egress side of the door.
8. The delayed egress locking system units shall be listed in accordance with UL 294.
9. Actuation of the panic bar or other door-latching hardware shall activate an audible signal at the door.
10. The unlatching shall not require more than one operation.
11. Regardless of the means of deactivation, relocking of the egress-control device shall be by manual means only at the door.

B. Sensor release of electrically locked egress doors - CFC 1010.1.9.8

Entrance doors in a means of egress in buildings with an occupancy in Groups A, B, I-2, 1-4, M, R-1, R-2 or R-2.1 and entrance doors to tenant spaces in occupancies in those Groups can have approved entrance and egress access control system, listed with UL 294, which is installed with all of the following:

1. Sensor installed on the egress side to detect approach and unlock the door. The doors shall be arranged to unlock by a signal from or loss of power to the sensor.
2. Doors unlock on any loss of power to the sensor or lock
3. Doors shall be arranged to unlock from a manual unlocking device located 40 inches to 48 inches vertically above the floor and within 5' of the secured door and readily accessible. Sign mounted "PUSH TO EXIT" at the device. This will unlock the door independent of the sensor and door will remain unlocked for 30 seconds.
- 4 & 5. Doors will automatically unlock with Fire Alarm AND fire sprinkler system activation and stay unlocked until system is reset.
6. The door locking system units shall be listed in accordance with UL 294.



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C. Electromagnetically locked egress doors – CFC 1010.1.9.9

Doors in means of egress and doors to tenant spaces in Groups A, B, E, I-1, 1-2, 1-4, M, R-1 or R-2 must have listed hardware and the following:

1. Listed hardware has obvious means of operation in all lighting conditions-emergency exit lighting over door.
2. Can open with one hand.
3. Operation of hardware unlocks door without delay.
4. Loss of power unlocks the door.
5. Where panic or fire exit hardware required-releases door.
6. The locking system units are listed in accordance with UL 294.

D. Stairway doors – CFC 1010.1.9.11

Interior stairway 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 of the California Building Code.
3. In stairways not serving 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 unlocking 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 stairway where permitted in Section 1006.3.2.
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 stairway where permitted in Section 1006.3.2.



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E. Access-controlled elevator lobby doors in high-rise office buildings~ CFC 1010.1.9.12

Elevator lobbies where an exit is not in the elevator lobby (tenants don't enter elevator lobby to access the stairs), when approved by the Fire Chief, the door from the elevator lobby into the tenant space which also serve as entry doors to the space, can have access-control as long as all the following are met:

1. Building is fully sprinklered.
2. A Smoke Detector on tenant side of door, centerline, between 1' and 5' from door, connected to the alarm system.
3. Remote master switch in the fire control room to unlock elevator doors.
4. Locks UL listed and CSFM listed fail safe type locking mechanism. Devices shall automatically unlock but not unlatch on activation with alarm.
5. Two-way voice communication, on dedicated lines, for each locked elevator lobby to the 24-hour staffed site. Operating instructions shall be posted at the communication device.
6. Approved mushroom-shaped palm button connected to the doors & installed adjacent to each door to release door. Manually reset at the door. Center line 48" from the finished floor.
7. Provide a sign stating:
'IN CASE OF EMERGENCY, PUSH PALM BUTTON, DOOR WILL UNLOCK AND SECURITY ALARM WILL SOUND' (letters $\frac{3}{4}$ " high by $\frac{1}{8}$ " stroke).
8. Loss of power unlocks the doors.