

7511.1010 SECTION 1010, DOORS, GATES AND TURNSTILES.

Subpart 1. **IFC section 1010.1.5.** IFC section 1010.1.5 is amended by modifying exception 5 to read as follows:

5. Exterior decks, patios, or balconies that are part of Type B dwelling units, have impervious surfaces, and are not more than 2 inches (50 mm) below the finished floor level of the adjacent interior space of the dwelling unit.

Subp. 1a. **IFC section 1010.1.9.1.** IFC section 1010.1.9.1 is amended to read:

1010.1.9.1 Hardware. Except as permitted by Section 1010.1.9.4, door handles, pulls, latches, locks, and other operating devices on doors shall only require a single operation to release the door from the egress side.

Subp. 1b. **IFC section 1010.1.9.2.** The exception to IFC section 1010.1.9.2 is amended to read as follows:

Exception: The ingress side of access doors or gates in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to have operable parts of the latch release on self-latching devices at 54 inches (1,370 mm) maximum above the finished floor or ground, provided that the self-latching devices are not also self-locking devices operated by means of a key, electronic opener, or integral combination lock. All hardware shall comply with Section 1010.1.9.6.

Subp. 1c. **IFC section 1010.1.9.4.** IFC section 1010.1.9.4 is amended to read as follows:

1010.1.9.4 Locks and latches. Locks and latches shall be permitted to prevent operation of doors where any of the following exists:

1. Places of detention or restraint.

2. In buildings in occupancy Group A having an occupant load of 300 or less, in buildings in occupancy Groups B, F, M, and S and in places of religious worship, the main exterior door or doors are permitted to be equipped with key-operated locking devices from the egress side, provided:

2.1 The locking device is readily distinguishable as locked.

2.2 A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. The sign shall be in letters 1 inch (25 mm) high on a contrasting background.

2.3 The use of the key-operated locking device is revocable by the fire code official for due cause.

3. Where egress doors are used in pairs, approved automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts has no doorknob or surface-mounted hardware.

4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of ten or less are permitted to be equipped with a night latch, dead bolt, or security chain, provided such devices are openable from the inside without the use of a key or tool.
5. Fire doors, after the minimum elevated temperature has disabled the unlatching mechanism in accordance with listed fire door test procedures.
6. Doors serving roofs not intended to be occupied shall be permitted to be locked preventing entry to the building from the roof.
7. Delayed egress locks, installed and maintained in conformance with Section 1010.1.9.8.
8. Controlled egress doors installed and maintained in conformance with Section 1010.1.9.7.
9. Electrically locked egress doors installed and maintained in conformance with Section 1010.1.9.9 or 1010.1.9.10.
10. In rooms, other than detention cells, where occupants are being restrained for safety or security reasons, special detention arrangements that comply with the requirements of Section 1010.1.11 are permitted.
11. Means of egress stairway doors, installed and maintained in conformance with Section 1010.1.9.12.

Subp. 1d. **IFC section 1010.1.9.7.** IFC section 1010.1.9.7 is amended to read:

1010.1.9.7 Controlled egress doors in Groups I-1, I-2, R-3, and R-4 occupancies. Controlled egress door locking systems, including electromechanical locking systems and electromagnetic locking systems, shall be permitted in Groups I-1, I-2, R-3, and R-4 occupancies when a person's clinical needs require their containment. Controlled egress doors shall be permitted in these occupancies when the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 and an approved automatic smoke detection system installed in accordance with Section 907. Electric locking systems and controlled egress doors shall comply with the requirements in items 1 through 11 below.

1. The egress control locks shall unlock upon actuation of either the automatic sprinkler system or the automatic smoke detection system within the means of egress served by the locked area.
2. The egress control locks shall unlock upon loss of power controlling the lock or lock mechanism.
3. The egress control locking system shall have the capability of being unlocked by a signal or switch from the fire command center, a nursing station, or other approved location. The signal or switch shall directly break power to the lock.

4. A building occupant shall not be required to pass through more than one door equipped with a controlled egress lock before entering an exit.
5. The procedures for the operations of the unlocking system shall be described and approved as part of the emergency planning and preparedness required by Chapter 4.
6. All clinical staff shall have the keys, codes, or other means necessary to operate the controlled egress locking devices or systems.
7. Emergency lighting shall be provided at both sides of a door equipped with a controlled egress locking device.
8. 24-hour resident or patient supervision is provided within the secured area.
9. The controlled egress locking devices are designed to fail in the open position.
10. Floor levels within the building or portion of the building with controlled egress locking devices shall be divided into at least two compartments by smoke barriers meeting the requirements of the Minnesota Building Code.
11. The controlled egress door locking system units shall be listed in accordance with UL 294.

Exceptions to items 1 through 11:

1. Items 1 through 4 shall not apply to doors to areas occupied by persons who, because of clinical needs, require restraint or containment as part of the function of a psychiatric treatment area.
2. Items 1 through 4 shall not apply to doors to areas where a listed egress control system is utilized to reduce the risk of child abduction from nursery and obstetric areas of a Group I-2 hospital.
3. Item 10 shall not apply to existing Group R-3 or R-4, Condition 1 occupancies where all of the following conditions apply: (a) the construction of smoke barrier compartmentation is not practical; (b) existing sleeping rooms are provided with smoke-tight construction; and (c) existing sleeping rooms have an emergency escape and rescue opening complying with Section 1030.

Subp. 2. **IFC sections 1010.1.9.8 and 1010.1.9.8.1.** IFC sections 1010.1.9.8 and 1010.1.9.8.1 are amended to read:

1010.1.9.8 Delayed egress door locks. Delayed egress locking systems shall be permitted to be installed on doors serving the following occupancies in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved smoke detection system installed throughout the means of egress in accordance with Section 907:

1. Group B, F, I, M, R, S, and U occupancies.

2. Group E in locations where the means of egress does not serve an assembly use area.

Exception: Delayed egress locking systems shall be permitted to be installed on exit or exit access doors, other than the main exit or exit access door, serving a courtroom in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

1010.1.9.8.1 Delayed egress locking system. The delayed egress locking system shall be installed and operated in accordance with one of the following:

1. The delay electronics of the delayed 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 power controlling the lock or lock mechanism, allowing immediate free egress.
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 egress in not more than 15 seconds when a physical effort to exit of not more than 15 pounds (67 N) is applied to the egress side door hardware for not more than one second. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the delay electronics have been deactivated from an approved location, relocking the delay electronics shall be by manual means only.

Exception to item 4. Where approved, 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.

Exceptions to item 5.

1. In Group I-2 or I-3 occupancies, the egress path from any point in the building shall pass through not more than two delayed egress locking systems provided that the combined delay does not exceed 30 seconds.
2. In Group I-1 or I-4 occupancies, the egress path from any point in the building shall pass through not more than two delayed egress locking systems provided that the combined delay does not exceed 30 seconds and the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
6. A sign shall be provided on the door and shall be located above and within 12 inches (305 mm) 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.

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 The sign shall comply with the visual character requirements in ICC A117.1.

Exception to item 6. Where approved, in Group I occupancies, the installation of a sign is not required where care recipients, 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.

Subp. 2a. **IFC section 1010.1.9.12.** IFC section 1010.1.9.12 is amended by revising exception 3 to read as follows:

3. In stairways serving not more than four stories, doors are permitted to be locked from the side opposite the egress side. The exit door is permitted to be locked but shall be openable from the egress side.

Subp. 3. **IFC section 1010.1.** IFC section 1010.1 is amended by adding subsections to read:

1010.1.11 Special detention arrangements. Special detention arrangements meeting the requirements of Sections 1010.1.11.1 through 1010.1.11.4 are permitted for rooms, other than cells, where the occupants are being restrained for safety or security reasons. The use of Sections 1010.1.11.1 through 1010.1.11.4 may be revoked by the fire code official for due cause.

1010.1.11.1 Locking hardware. Locking devices shall release upon any of the following conditions:

1. Activation of the automatic sprinkler system.
2. Activation of any automatic fire detection device.
3. Activation of an automatic fire alarm system.
4. Loss of electrical power to the locking device or the fire alarm system.
5. Activation of the fire alarm trouble signal.
6. Operation of a manual switch located in an approved location.

All locking devices shall be designed to fail in the open position. Following the release of the locking devices for any of the conditions specified in Items 1 through 6, relocking the devices shall be by manual means only at the door.

1010.1.11.2 Fire-extinguishing system. When special detention arrangements are used, the room or area being secured shall be protected with quick-response sprinklers.

1010.1.11.3 Fire alarm and detection. When special detention arrangements are used, the room or area and spaces between the room or area and an exterior exit door shall be protected with automatic smoke detection connected to the building's fire alarm system. If the walls of the room or area do not extend to the ceiling, automatic smoke detection can be provided in the adjacent room or area, provided that there are no substantial obstructions to delay activation of the smoke detection.

1010.1.11.4 Door swing. Doors separating detention rooms from other spaces must swing in the direction of egress travel from the detention room.

Statutory Authority: *MS s 299F.011; 326B.02*

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