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cial locking arrangements that comply with the requirements of Section 1008.1.10 are permitted.

1008.1.8.1 Hardware. Except as permitted by Section 1008.1.8.3, 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.

1008.1.8.2 Hardware height. Door handles, pulls, latches, locks, and other operating devices shall be installed 34 inches (864 mm) minimum and 48 inches (1219 mm) maximum above the finished floor.

1008.1.8.3 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, Groups B, F, M, and S and in churches, 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. Delayed egress locks, installed and maintained in conformance with Section 1008.1.8.6.
6. Special egress-control devices installed and maintained in conformance with Section 1008.1.11 are allowed in Group R-3 and Group R-4 congregate care facilities and in Group I occupancies.
7. Existing door-locking arrangements in Group I occupancies that were installed prior to March 20, 1995, and comply with Appendix I may be allowed to continue.
8. In rooms, other than cells, where occupants are being restrained for safety or security reasons, spe-

755 JACKSON
 OCC. LOAD 65
 BOTH DOORS
 PANIC HARDWARE ?
 DEAD BOLTS,

by Section 1008.1.8.3, Exception 3.

4. Doors from individual dwelling units and sleeping units of Group R occupancies as permitted by Section 1008.1.8.3, Exception 4.

1008.1.8.6 Delayed egress locks. Approved, listed, delayed egress locks shall be permitted to be installed on doors serving any occupancy except Group A and Group 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-detection system installed in accordance with Section 907, provided that the doors unlock in accordance with Items 1 through 6. 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 have the capability of being unlocked by a signal from the fire command center.
4. The initiation of an irreversible process that will release the latch in not more than 15 seconds when a force of not more than 15 pounds (66 N) is applied for one 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 shall be 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 SECONDS.
6. Emergency lighting shall be provided at the door.

1008.1.8.7 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 403.12 of the *International Building Code*.
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.

1008.1.9 Panic and fire exit hardware. Where panic and fire exit hardware is installed, it shall comply with the following:

1. The actuating portion of the releasing device shall extend at least one-half of the door leaf width.
2. The maximum unlatching force shall not exceed 15 pounds (67 N).

Each door in a means of egress from a Group A or E occupancy having an occupant load of 50 or more and any Group H occupancy shall not be provided with a latch or lock unless it is panic hardware or fire exit hardware.

***Exception:** A main exit of a Group A occupancy in compliance with Section 1008.1.8.3, Item 2.

Electrical rooms with equipment rated 1,200 amperes or more and over 6 feet (1829 mm) wide that contain overcurrent devices, switching devices or control devices with exit access doors must be equipped with panic hardware and doors must swing in the direction of egress.

If balanced doors are used and panic hardware is required, the panic hardware shall be the push-pad type and the pad shall not extend more than one-half the width of the door measured from the latch side.

1008.1.10 Special locking arrangements. Special locking arrangements meeting the requirements of Sections 1008.1.10 through 1008.1.10.5 are permitted for rooms, other than cells, where the occupants are being restrained for safety or security reasons. The use of sections 1008.1.10 through 1008.1.10.5 may be revoked by the fire chief or building official for due cause.

1008.1.10.1 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.

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 above in Items 1 through 5, relocking the devices shall be by manual means only at the door.

1008.1.10.2 Fire-extinguishing system. When special locking arrangements are used, the room or area being secured must be protected with quick-response sprinklers.

1008.1.10.3 Fire alarm and detection. When special locking arrangements are used, the room or area and spaces between the room or area and an outside 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.

1008.1.10.4 Construction. Rooms or areas containing these special locking arrangements shall be constructed of noncombustible materials having a minimum of one-hour fire-resistive construction. Doors separating the room from other spaces must swing with egress travel from the room and have a fire-protection rating of not less than 20 minutes. Doors need not be self-closing. The interior finish of the wall and ceiling surfaces must not exceed a Class III (or Class C) flame spread rating.

1008.1.10.5 Testing of devices. Special locking arrangements shall be tested monthly to ensure that they will release under the conditions set forth in Section 1008.1.10.1, Items 1-5. Locking arrangements that are found not to comply with the requirements of Sections 1008.1.10.1 through 1008.1.10.5 shall not be used.

1008.1.11 Special egress control devices. Where the clinical needs of the patients require specialized security measures for their safety, door-locking arrangements are permitted in Group I-1 occupancies (this includes use groups as described in Group I-1 occupancies that are identified as either Group R-3 or Group R-4 occupancies because of occupant load) and Group I-2 occupancies, provided that:

1. Keys or devices that function like keys are carried by staff at all times;
2. In at least one egress path, not more than one such arrangement is located;
3. The building or fire area is protected by an approved automatic sprinkler system in accordance with Section 903.3.1.1 and an approved fire alarm system hav-