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Lewisville Fire Prevention Division Fire Prevention Standard

Access-Controlled Doors

Purpose

This standard defines the requirements and submittal process for access-controlled doors. Adherence to these provisions strive to allow Fire Department/Prevention personnel (ONLY) to quickly gain access to the premises during an emergency without damage caused by forcible entry while allowing controlled access to the building during non-emergency conditions.

Scope

This document shall apply to all energized access-control devices/security gates within the City jurisdiction.

2006 INTERNATIONAL FIRE CODE–Section 1008.1.3.4 Access Controlled Egress Doors:

The entrance doors in a means of egress in buildings with an occupancy in Group A, B, E, M, R-1 or R-2 and entrance doors to tenant spaces in occupancies in Group A, B, E, M, R-1 and R-2 are permitted to be equipped with an approved entrance and egress access control system 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.



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3. The doors shall be arranged to unlock from a manual unlocking device located 40 inches to 48 inches vertically above the floor and within 5 feet of the secured door. 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 has been reset.
5. Activation of the building automatic sprinkler or fire detection system, if provided, shall automatically unlock the doors, and 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.

Submittal Requirements

Final approvals of plans are subject to field verification. Any approval issued by the Lewisville Fire Prevention Division does not release the contractor or property owner from the responsibility of full compliance to all codes and ordinances relating to the construction project. Plan submittal shall include:

- A \$50.00 permit fee is required at plan approval.
- Type of devices being installed.
- Equipment specification and detailed information (cut sheets).
- Site plans showing the placement of approved devices. Be sure to indicate which side of door devices will be installed.
- Verify and demonstrate compliance with the above Fire Code requirements.
- Installation, fabrication or otherwise construction of any system is prohibited without approved plans and permit.
- Any deviation from the original approved plans will require a re-submittal to the Fire Prevention Division.
- Additional criteria as required by the Lewisville Fire Marshal.