



EULESS FIRE DEPARTMENT FIRE MARSHAL'S OFFICE

EFD-FMO 23-1

INFORMATION LINE: *Building and Security Control Systems* *Egress Control Devices* *Revision 8/08*

Fire Chief Wes Rhodes *Fire Marshal Paul Smith*

2003 International
Fire & Building Code
as Amended

NFPA Standards
Adopted

SCOPE

This policy outlines the provisions for placing special security control devices on entry and exit doors, thereby creating a controlled ingress and egress of a person or persons within a building, room or area who may or may not have knowledge of such systems and its control features, devices or function or who may or may not have access to its entry or exit codes, keys or cards.

PERMIT

Prior to the installation of any Egress-Control device or system, a permit must be issued by the Fire Marshal. To obtain a permit, a minimum of three (3) sets of blue prints and/or specifications shall be submitted to the Fire Marshal's Office providing the details of the system, its devices and method of operation.

An electronic touch bar is the approved method to release magnetic locks to comply with item #3 below. Note that when an electronic touch bar is installed, items #1 and #3 as listed below will not apply. The touch bar is considered to be the required sensor in this jurisdiction.

“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 Groups 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.**
- 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 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.

7. If a full building smoke detection system is not provided, approved smoke detectors shall be provided on both the access and egress sides of doors and at a location approved by the fire code official in accordance with NFPA 72. Actuation of a smoke detector shall automatically unlock the door.”

8. When required by the Fire Marshal, a KNOX KS-2 key switch must be installed on exterior doors to allow an external emergency override of the door magnetic lock.