



These guidelines are to be followed when a building, facility, residential subdivision, or multi-family dwelling units, within the City of Rockwall, is provided with an approved, entry and exit access control/security gate for vehicular traffic and/or pedestrian traffic.

All access control criteria for the purposes of these guidelines and any other guidelines or requirements of the Rockwall Fire Prevention Education and Investigation (FPE&I) Division shall conform to the 2021 International Fire Code, as adopted and amended by the City of Rockwall.

These guidelines do not replace, nor supersede any codes and/or ordinances adopted by the City of Rockwall, or determinations and positions of the Rockwall FPE&I Division.

General Requirements for Manually Operated Security Gates

- 1) Gates shall not obstruct fire apparatus access roads in any manner. The minimum widths and clearances established shall be maintained at all times.
- 2) Manual gates shall open utilizing the Knox padlock that conforms to the Rockwall Fire Department Knox security key.

Power Operated Security Gate

- 3) Gates shall not obstruct fire apparatus access roads in any manner. The minimum widths and clearances established shall be maintained at all times.
- 4) Gates shall open using the Knox dual gate key switch that conforms to the Rockwall Fire Department and Rockwall Police Department Knox security key.
- 5) The Knox key switch must meet the following criteria:
 - a) Be mounted at the access control pedestal.
 - b) Be a dual key switch.
 - c) Be equipped with one external lamp assembly with a red globe and one flasher unit to be mounted to top of enclosure and wired to 115 volts and clearly visible from the entry side of the gate.
 - d) Shall override all other opening systems.
- 6) When activated the gate shall operate at a minimum of one foot per second and remain open.
- 7) A manual back-up system shall be accessible on the entry side of the gate to allow access through the gate in the event of a power failure, or other failure of the electromechanical system.
 - a) On swing gates and barrier arms, this system shall be designed:
 - i. To open manually by one person removing the Knox padlock and/or pin that is secured in the gate arm.
 - ii. Knox padlock shall be clearly visible and easily accessible from the entry side of the gate.
 - b) On slide gate, this system shall be designed:
 - i. Open manually by one person utilizing an approved single manual release.
 - ii. The manual release device shall be within 10 feet of the gate in a location that is clearly visible and is easily accessible from the entry side of the gate.
 - iii. Manual release device shall be located in a fire department approved box. See manual release box requirements below.



General Requirements Manual Release Box

- 8) Manual release box shall comply with the following:
 - a) Red in color.
 - b) Clearly labeled.
 - c) Located within 10 feet of the gate, clearly visible and easily accessible.
 - d) Designed to accept the Knox padlock.

Pedestrian Walkway Security Gates. Any security gates that interfere with fire department access around the perimeter of a structure shall comply with the following.

- 9) Security gates may be installed across pedestrian walkways provided they are designed to comply with one of the following:
 - a) Open electromechanically with the use of a Knox dual gate key switch that conforms to the Rockwall Fire Department and Rockwall Police Department Knox security key. In the event of a power failure, or other failure of the electromechanical system, a fail-safe system must automatically unlock the gate to allow free entry and exit.
 - b) Open manually using a Knox padlock.
 - c) Open manually utilizing an alternate approved method.

Inspection Requirements

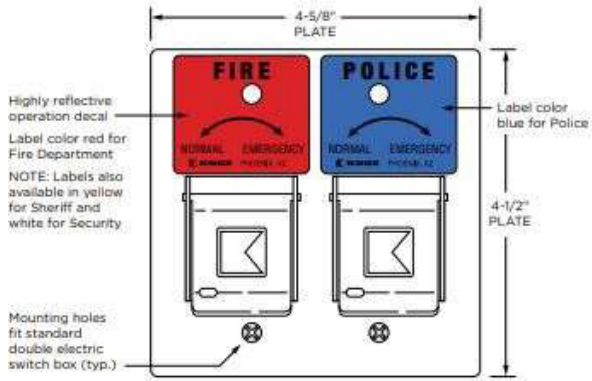
- 10) Fire Lane Unobstructed. The fire lane shall have a clear width of 24-feet.
- 11) Manual mode Verified.
- 12) Emergency Ingress System tested.

Submittal Requirements

- 13) Construction plans shall contain sufficient detail to enable the plan reviewer to accomplish a complete review.
- 14) Sequence of operation details shall be submitted that is a written description of the operation of the Access-Control/Delayed Egress System in normal mode, loss of power mode, activation of a fire protection system and manual modes.
- 15) Please upload the following documents when submitting your permit online:
 - a) Construction Plans (showing location of gates and devices).
 - b) Equipment Specifications.
 - c) Sequence of operation details.



Examples of approved equipment



EXTERIOR USE