



## **OPTICOM AND ACCESS CONTROLLED GATES**

**Royse City Fire Department - Fire Marshal's Office**  
305 N Arch St. • Royse City, TX 75189 • Phone: 972.524.4819  
Website: <http://www.roysecity.com/departments/fire/>  
Email: [rcfd@roysecity.com](mailto:rcfd@roysecity.com)

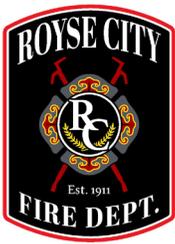
These guidelines are to be followed when a building, facility, residential subdivision, or multi-family dwelling units, within the City of Royse City, is provided with an approved, entry and exit access control/security gate for vehicular traffic and/or pedestrian traffic.

All access control criteria for the purposes of these guidelines and any other guidelines or requirements of the Fire Department shall conform to the 2018 International Fire Code, as adopted and amended by the City of Royse City.

These guidelines do not replace, nor supersede any codes and/or ordinances adopted by the City of Royse City, or determinations and positions of the Royse City Fire Department.

### **General Requirements – Electronically Operated Gates**

- ❖ Gates shall not obstruct fire apparatus access roads in any manner when fully open. The minimum width of 24' and minimum unobstructed height of 14' shall be maintained at all times
- ❖ A separate permit is required for each gate
- ❖ Gate system shall comply with UL 325 and ASTM F 2200
- ❖ Primary access for electronically operated gates shall open utilizing the Global Traffic Technologies (GTT) Opticom system or Tomar Strobeswitch™
  - Be equipped with one red emergency light to be mounted separate from the Opticom/Tomar device and clearly visible from the entry side of the gate
  - Be located so that it will receive a clear signal from emergency apparatus at a stacking distance of at least 30' from the Opticom/Tomar receiver
  - The device shall override all other opening systems
  - Opticom/Tomar system shall be protected from weather and physical damage
  - Gate shall operate at a minimum of 1' per second and turn on the flashing red emergency light when the system is activated by the Opticom signal. The gate shall be held open and the red emergency light continues flashing until the gate is reset by emergency personnel
- ❖ Secondary access for electronically operated gates shall open utilizing the City approved Knox® Gate and Key Switch 3502 (KS-2)
  - Required on ingress side
  - Required on egress side, unless an operational vehicle detection loop or other means of activation from the egress side is provided
- ❖ Manual access for electronically operated slide gates shall open via a manual release device, operated by one person, which is protected in a weatherproof box that is:
  - Red in color and is at least 5" high, 5" wide and 1 ½" deep
  - Clearly labeled "Fire Dept" in white block letters 1" tall with 1/4" stroke
  - Located within 10' of the gate, on the entry side, clearly visible and easily accessible
  - Designed to accept the city approved Knox® Padlock
- ❖ Manual access for electronically operated swing gates and barrier arms shall open by one person removing the 911 Pin Lock Too™ and/or City approved Knox® Padlock that is secured in the gate arm. Padlock shall be on entry side, clearly visible and easily accessible



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- ❖ In the event of a power failure the gate shall open by one of the following means:
  - The gate motor shall be the type that the drive gear disengages on power failure, or
  - If a secondary/emergency power source is provided, upon loss of primary power, it shall be automatically brought online and immediately open the gate, or
  - If a secondary/emergency power source is provided, upon loss of primary power, it shall have sufficient battery backup for gate operation until at such time power is restored

### **General Requirements – Manually Operated Gates**

- ❖ Gates shall not obstruct fire apparatus access roads in any manner when fully open. The minimum width of 24' and minimum unobstructed height of 14' shall be maintained at all times
- ❖ A separate permit is required for each gate
- ❖ Manual gates shall open utilizing the City approved Knox® Padlock

### **General Requirements – Pedestrian Walkway Gates**

- ❖ Security gates may be installed across pedestrian walkways provided they are designed to comply with one of the following:
  - Open electromechanically with the use of a manually operated Knox key switch. 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
  - Open manually using a Knox padlock
  - Open manually utilizing an approved manual switch

### **Submittal Requirements**

- ❖ The minimum required documents submitted electronically include: site plan, detailed site plan of installation area, and all specification documents
- ❖ Provide a written description of the operation of the access control/security gates in normal and manual modes.
- ❖ Site plan drawings of the installation location and layout, including primary and emergency power hookups. Include equipment location of the actual configuration of the access gate(s)
- ❖ A full equipment list to include manufacturer equipment specification sheets
- ❖ Submit all required documents and the Royse City Fire Marshal's Office Fire Permit Application to [rcfd@roysecity.com](mailto:rcfd@roysecity.com)



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### **Additional Information**

- ❖ Plans approved by the Fire Marshal's Office give authorization for construction and/or operation
- ❖ Any approval issued by the Royse City Fire Marshal's Office does not release the contractor or property owner from the responsibility of full compliance with all applicable codes and ordinances relating to the construction project
- ❖ Installation, fabrication or otherwise construction of the system is prohibited without approved plans and permit
- ❖ All installations and/or operations must concur with the approved plans
- ❖ Any deviation from the approved plans requires a re-submittal to the Royse City Fire Marshal's Office

### **Performance Test/Inspection Requirements**

- ❖ Gates and gate systems shall be tested by the Royse City Fire Marshal's Office upon completion of the installation, prior to final approval. Call 972.524.4819 or email [rcfd@roysecity.com](mailto:rcfd@roysecity.com) to schedule
- ❖ All required signage shall be in place prior to testing
- ❖ Gates shall not be placed in operation until the acceptance test is complete and approved
- ❖ Upon failure of the performance test, the security gate system shall be disabled and maintained in the open position until repaired and successfully tested by the Royse City Fire Marshal's Office



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### Fire Access – 911 Pin-Lock System for Swing Gates

THE 911 PIN-LOCK TOO™ ALLOWS A SWING GATE TO MEET FIRE DEPARTMENT REQUIREMENTS FOR A MANUAL RELEASE, WHILE STILL ALLOWING THE CONSUMER TO DISCONNECT THE GATE ARM FROM THEIR GATE WITHOUT HAVING TO CALL THE FIRE DEPARTMENT.



THE 911 PIN-LOCK TOO™ INCORPORATES TWO BLOCKS AND ONE DOUBLE PIN.



SECURE THE BOTTOM BLOCK WITH A 3/8" DIAMETER AND A 1" X 1" SHACKLE PADLOCK. INSERT THE OTHER END OF THE PIN-UP THROUGH THE GATE BRACKET AND THE SWING GATE ARM. PLACE THE OTHER BLOCK ON THE PIN AND SECURE WITH A KNOX™ PADLOCK.



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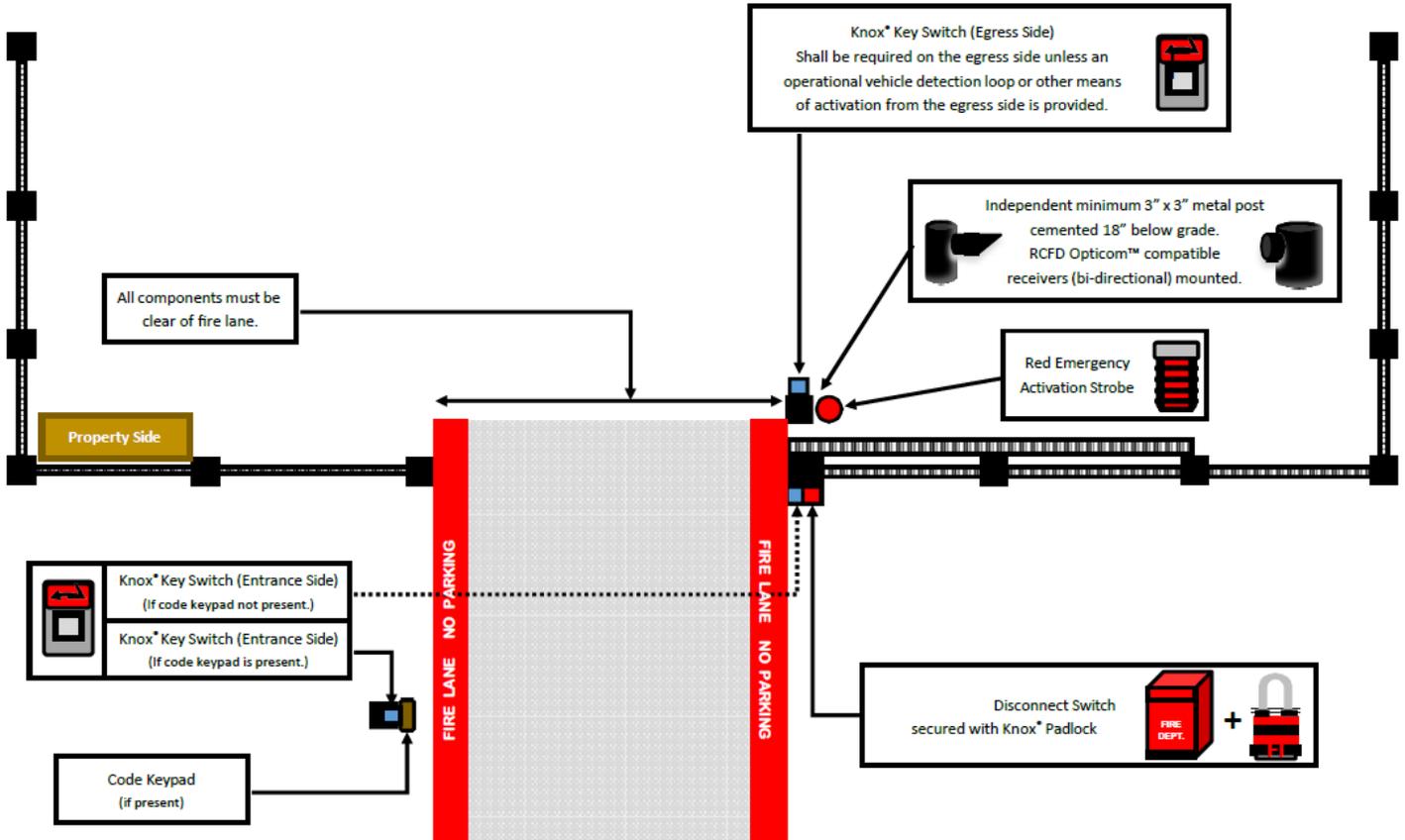
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## Fire Access/Lane Electronically Operated Slide Gate(s)





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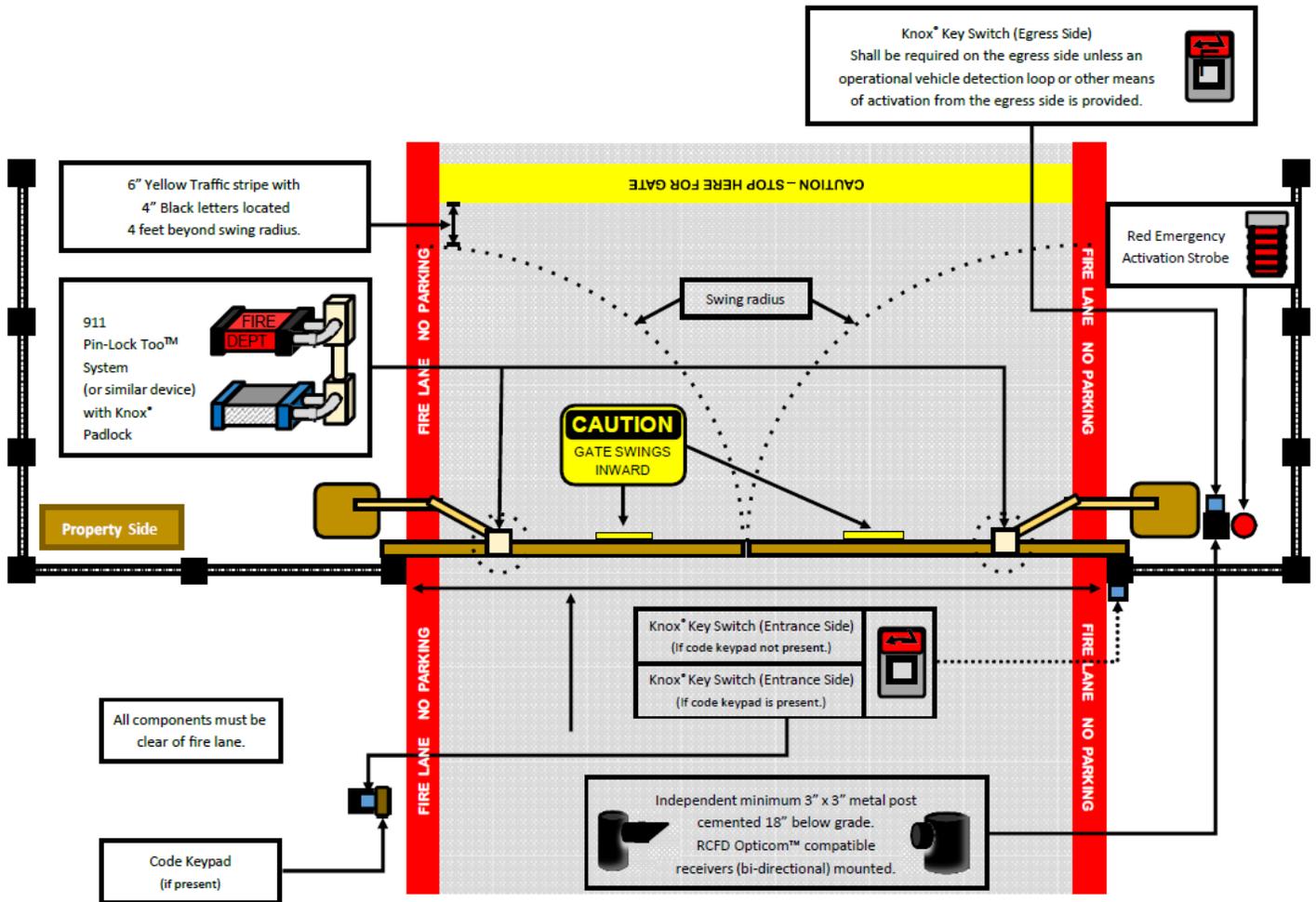
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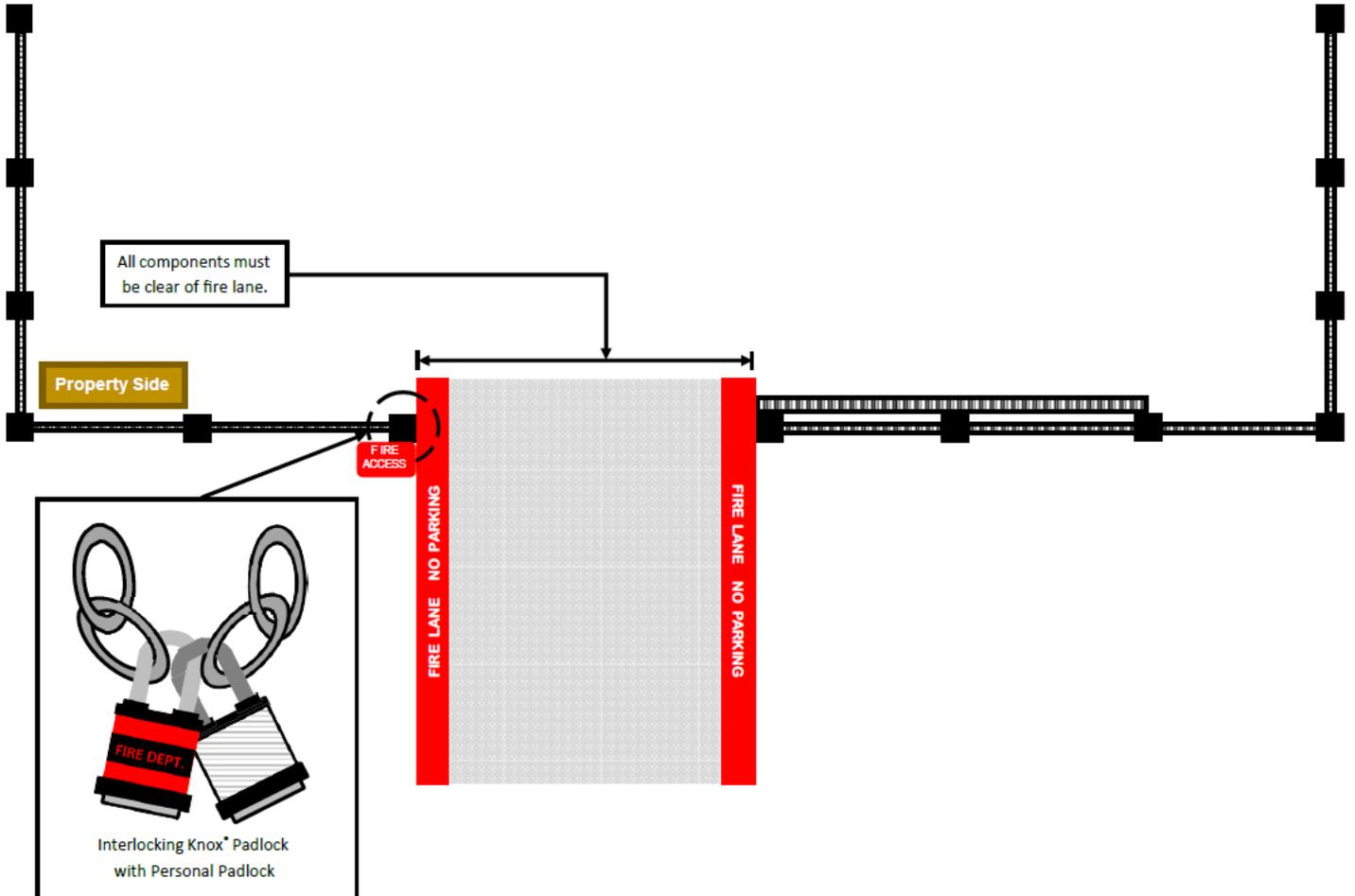
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