



CHAPTER SEVEN

Manual Vehicle & Pedestrian Gates

Contents:

- Contractor Requirements
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- Pedestrian Gates

Purpose:

Emergency responders need uniform and dependable access through gates to deliver prompt service to the community.



GATE CONTRACTOR REQUIREMENTS

LICENSE REQUIREMENTS

When installing, modifying or repairing a gate at any location that obstructs a fire apparatus access road, the gate contractor shall be licensed by the Arizona Registrar of Contractors. Accepted licenses are C-14, R-14 or CR-14

BUSINESS PERMIT CERTIFICATES

Contractors shall obtain a Business Permit Certificate from the Northwest Fire District prior to performing work within the Golder Ranch Fire District. Business Certificate Permits expire on December 31st and are to be renewed annually. Contractors in good standing are included on the Northwest Fire Approved Contractors List found on their website at www.northwestfire.org.

REQUIRED PERMITS and PLAN SUBMITTALS

A gate permit is required for all new gate installations.

SITE PLAN REQUIREMENTS

In addition to specific requirements detailed in this guide, site plans shall include the following information:

- Name and address of the installing contractor.
- Project location including address and suite numbers, if applicable
- Orientation to streets, buildings and property lines
- Graphic representation of the scale used on the drawing
- Point of compass
- Number of gates to be installed and their locations



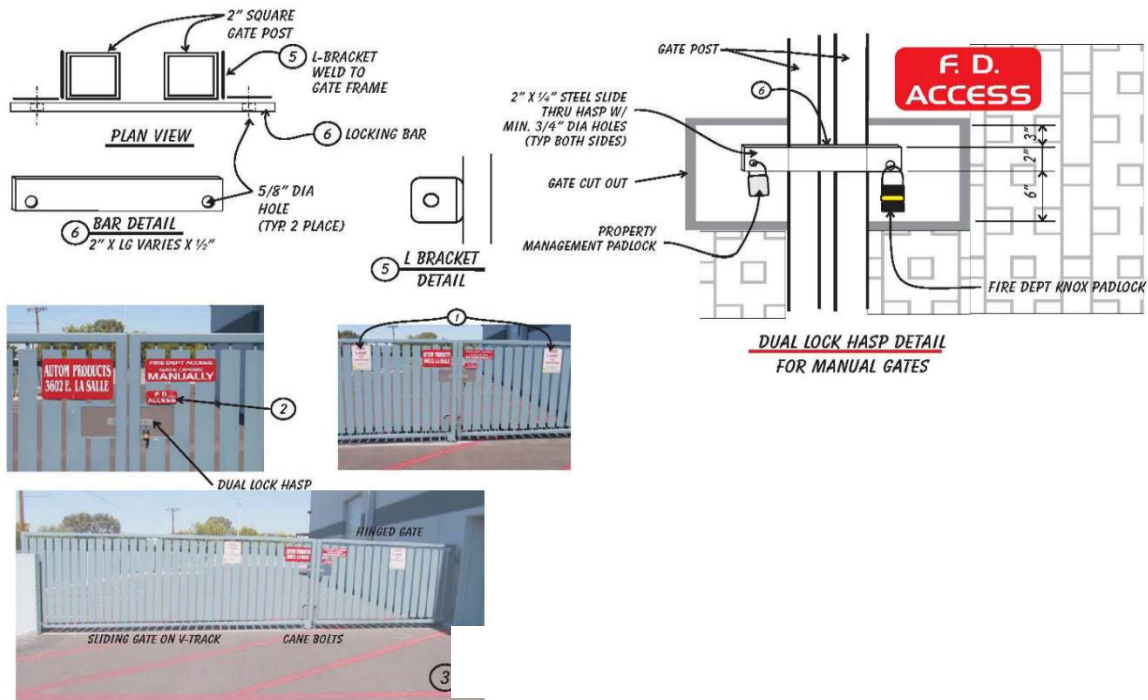
INSTALLATION REQUIREMENTS FOR MANUAL GATES

1. All clear openings as shown on plans shall be a minimum 20 feet clear width for BIDIRECTIONAL access roads and 14 feet clear width or larger for UNIDIRECTIONAL access roads. If gating an existing drive, the current width of drive must remain as the original approved clear access width.
2. Turning radius shall comply with AASHTO WB-40 turning radius requirements. When a 42-foot turning radius cannot be met, the fire code official may require additional clearance.
3. All manual controlled gates that cross fire apparatus access roads or other roads to areas where immediate access is necessary for life saving or firefighting purposes (as determined by the Fire Code Official) shall use an approved dual padlock locking bar and an approved **KNOX PADLOCK SERIES #3770**. See **Chapter 4: Knox Boxes, Key Switches, Etc.** for Knox ordering information. See specific manual gate type included in Chapter 7 for dual padlock locking bar detail.
4. Fire Department approved "No Parking" signs shall be bolted back to back on each side of the gate(s). A total of 4 signs are required per gate. See *specific manual gate type included in Chapter 7 for sign placement detail*. See **Chapter 2: Fire Lanes and FD Access** for fire lane sign specifications.
5. When required by the Fire Code Official, a sign that identifies the location of the property's primary entrance shall be bolted on the street side of the gate(s). See **Chapter 7-6: Property Identification Access Sign Sample Detail** for sign detail.





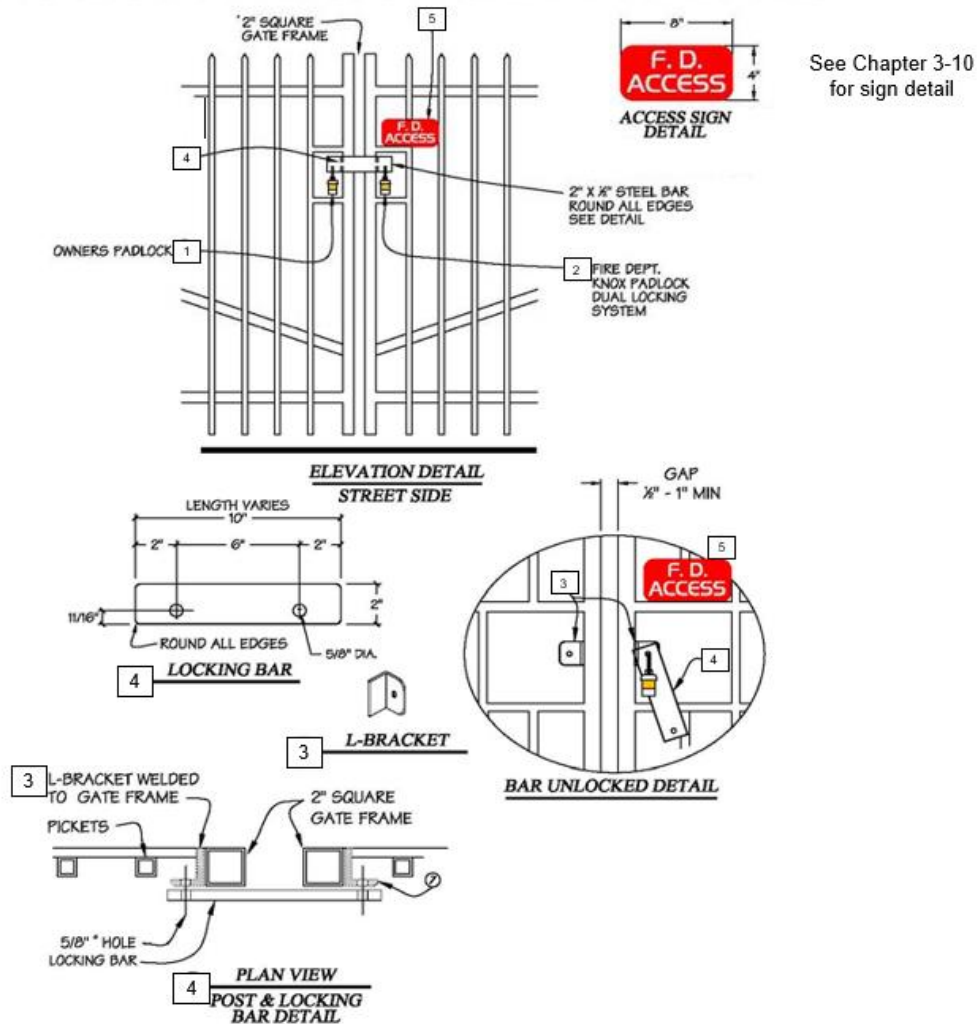
MANUAL ROLLING GATE DETAIL



1. Approved fire lane signs with reflective background, placed back-to-back and fastened on all 4 corners. See [Chapter 2: Fire Lanes and FD Access](#) for sign specifications.
2. Approved Fire Department Access sign w/ reflective background placed back-to-back. See [Chapter 3-10: Fire Department Access Sign Detail](#) for sign specifications.
3. The minimum overall width of the gate opening shall be 20 feet.
4. See [Chapter 4: Knox Boxes, Key Switches, Etc.](#) for Knox key switch and Knox padlock information and ordering.



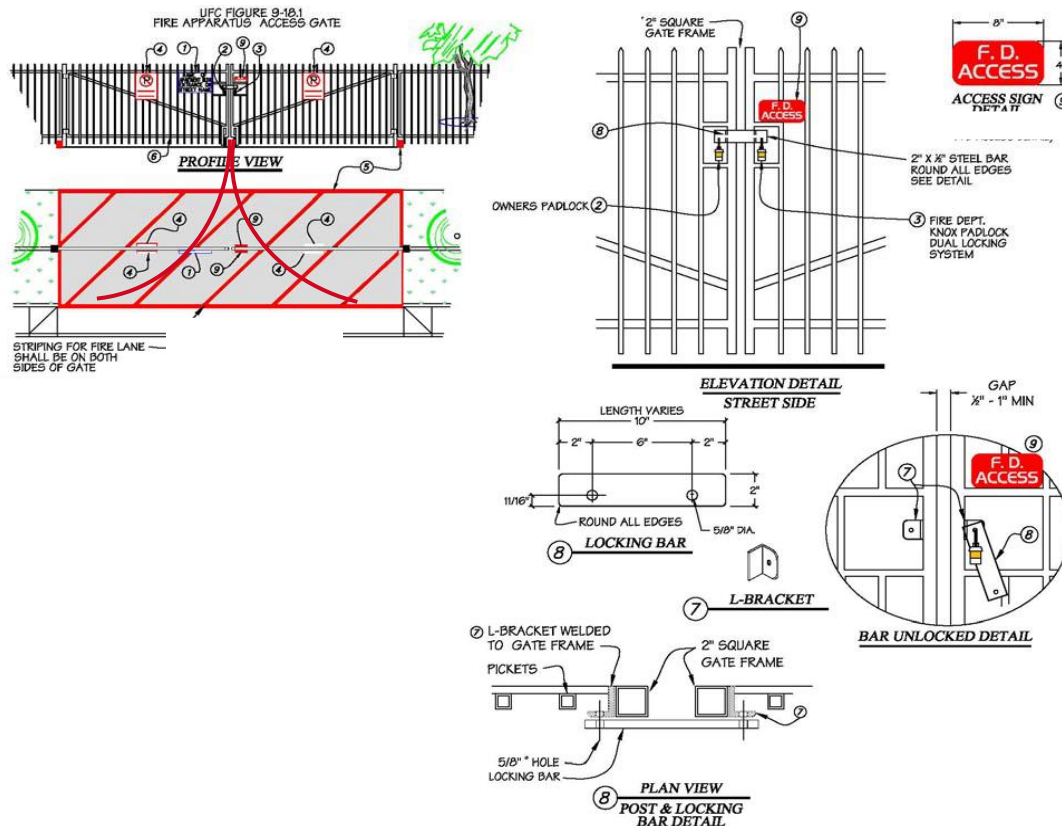
SWING GATE WITH KNOX PADLOCK DETAIL



1. Property owner / management padlock.
2. An approved KNOX PADLOCK SERIES #3770 series shall be accessible from both sides of the gate (entrance & exit). See Chapter 4: Knox Boxes, Key Switches, Etc. for Knox padlock information and ordering.
3. Approved Fire Department access sign with red reflective background placed back-to-back. See Chapter 3-10: Fire Department Access Sign Detail for sign specifications.



ROLLING GATE WITH KNOX PADLOCK DETAIL

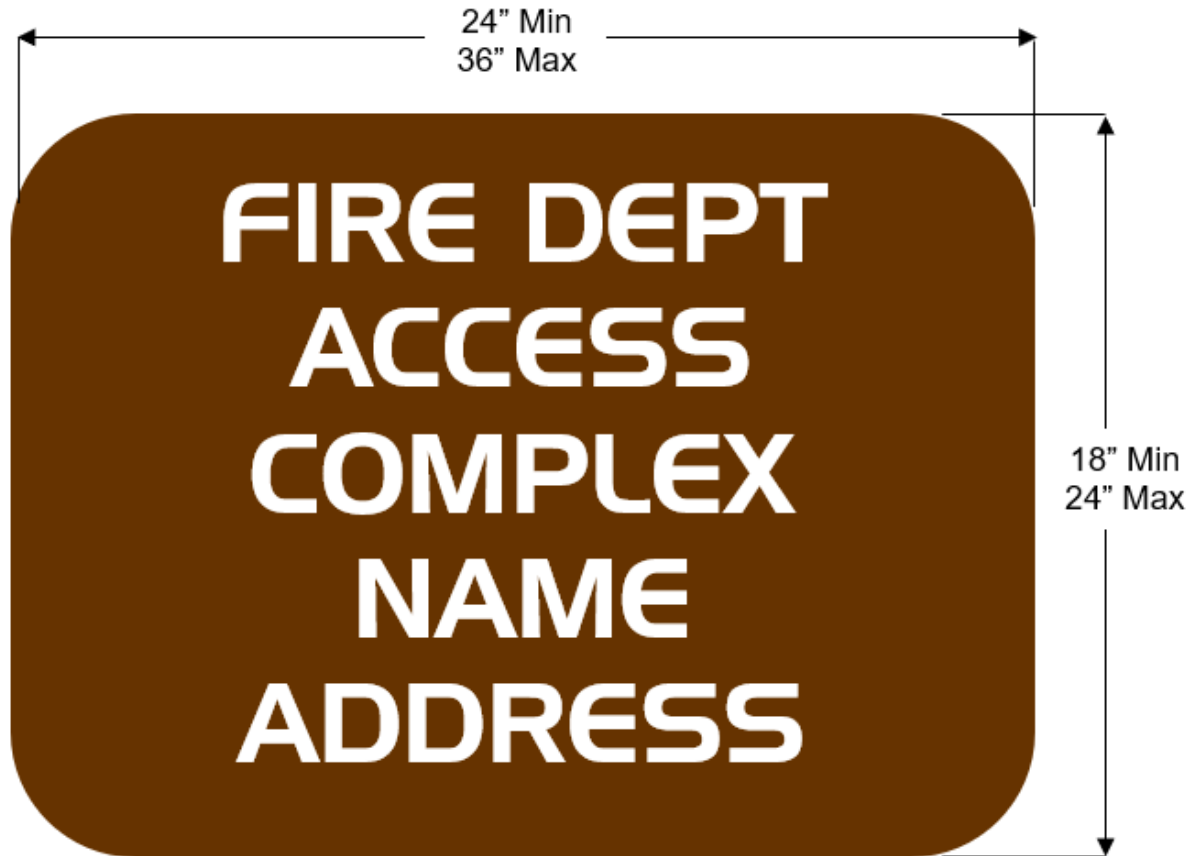


1. When required by the Fire Code Official, provide an approved sign, with reflective background, to identify the name of the complex or property and the location of the access entrance. See [Chapter 7-6: Property Identification Access Sign Sample Detail](#) for sign specifications. Sign requires pre-approval by the Fire Code Official.
2. Property owner / management padlock.
3. An approved [KNOX PADLOCK SERIES #3770](#) shall be accessible from both sides of the gate (entrance & exit). See [Chapter 4: Knox Boxes, Key Switches, Etc.](#) for Knox padlock information and ordering.
4. Approved Fire Lane signs with reflective background, placed back to back, and fastened on all four corners. See [Chapter 2: Fire Lanes and FD Access](#) for sign specifications.
5. The minimum overall width of the gate opening shall be 20 feet.
6. Approved Fire Department access sign with red reflective background placed back-to-back. See [Chapter 3-10: Fire Department Access Sign Detail](#) for sign specifications.



PROPERTY IDENTIFICATION ACCESS SIGN

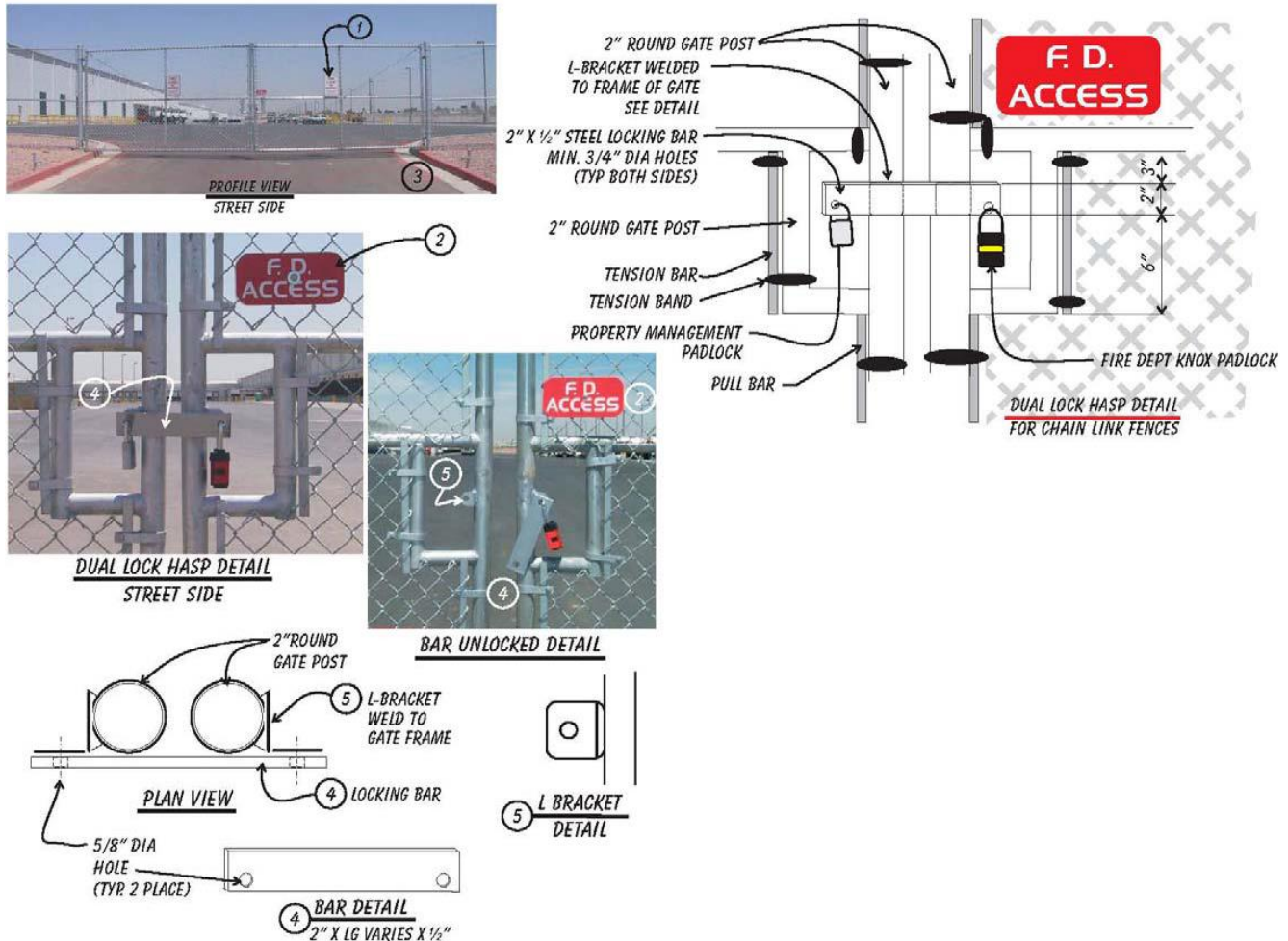
SAMPLE DETAIL



1. The sign face shall be a minimum of 18" x 24" with a maximum of 24" x 36" and fabricated from a durable, weather-proof material and permanently installed.
2. Signage wording and color require pre-approval by the Fire Code Official.



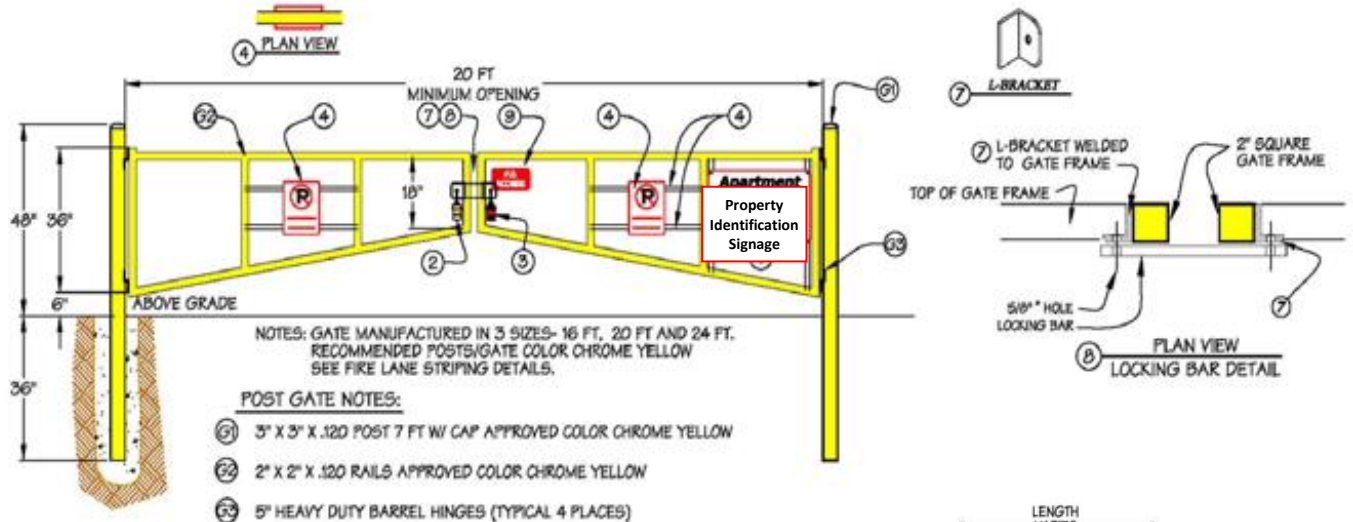
MANUAL CHAIN LINK SECURITY GATE DETAIL



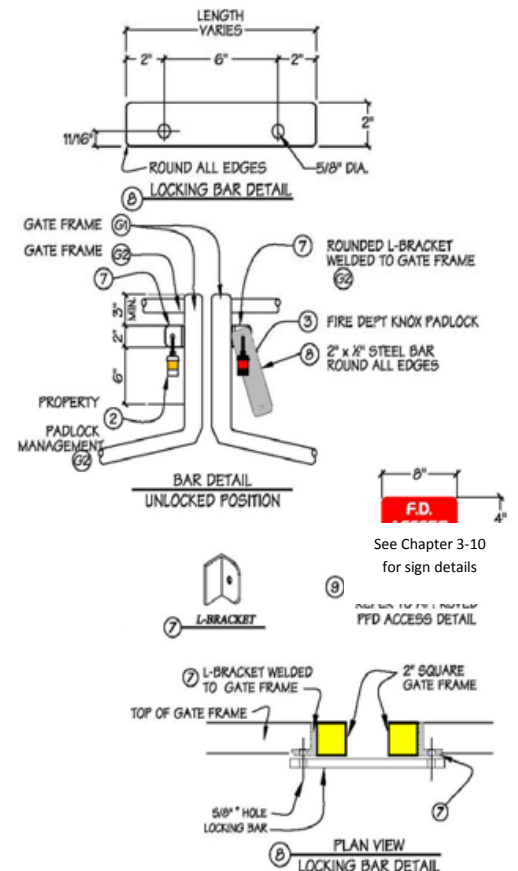
1. Approved fire lane signs with reflective background, placed back-to-back and fastened on all 4 corners. See [Chapter 2: Fire Lanes and FD Access](#) for sign specifications.
2. Approved Fire Department access sign with reflective background placed back to back. See [Chapter 3-10: Fire Department Access Sign Detail](#) for sign specifications.
3. The minimum overall width of the gate shall be 20 feet.
4. An approved KNOX PADLOCK SERIES #3770 shall be accessible from both sides of the gate (entrance & exit). See [Chapter 4: Knox Boxes, Key Switches, Etc.](#) for Knox padlock information and ordering.



SINGLE SWING MANUAL SECURITY GATE DETAIL



1. When required by the Fire Code Official, provide an approved sign, with reflective background, to identify the name of the complex or property and the location of the access entrance. See [Chapter 7-6: Property Identification Access Sign Sample Detail](#) for sign specifications. Sign requires pre-approval by the Fire Code Official.
2. Property owner / management padlock.
3. An approved [KNOX PADLOCK SERIES #3770](#) shall be accessible from both sides of the gate (entrance & exit). See [Chapter 4: Knox Boxes, Key Switches, Etc.](#) for Knox padlock information and ordering.
4. Approved Fire Lane signs with reflective background, placed back to back, and fastened on all four corners. See [Chapter 2: Fire Lanes and FD Access](#) for sign specifications.
5. The minimum overall width of the gate opening shall be 20 feet.
6. Approved Fire Department access sign with reflective background placed back-to-back. See [Chapter 3-10: Fire Department Access Sign Detail](#) for sign specifications.







KNOX BOX PLACEMENT FOR PEDESTRIAN GATES



1. Primary access points that have pedestrian gates require Fire Department access. Access may be provided using a KNOX KEY SWITCH SERIES #3500 for electric gates or a KNOX BOX SERIES #3200 key box for manual gates. See Chapter 4: Knox Boxes, Key Switches, Etc. for Knox box information and ordering.
2. The Fire Department will determine the final placement and number of Knox boxes required.

