



## CHAPTER FOUR

### Knox Boxes, Switches, Etc.

#### Contents:

- Knox Boxes, Locations and Installation Guide
- Key Switches
- Padlocks
- Fire Department Connection Plugs
- Elevator/Lobby Key Boxes

#### Purpose:

Proper location of lock boxes and key switches enables emergency responders to gain entry into secured buildings. This reduces or eliminates damage done to property and also reduces response times.



## FIRE DEPARTMENT KNOX GUIDE FOR COMMERCIAL PROPERTIES

### GENERAL NOTES FOR ALL COMMERCIAL PROPERTIES

- Knox boxes and other Knox products are available to order online at [www.knoxbox.com](http://www.knoxbox.com). When prompted for a Fire Department, enter Golder Ranch Fire in Tucson, AZ.
- All Knox boxes are required to be installed no more than 5 feet 6 inches above finished grade, as approved.
- Tamper switches are optional, not required, on all Knox boxes.
- A KNOX BOX SERIES #3200 is required at any exterior riser room door located on the latch side of the door. Additional Knox boxes may be required by the Fire Code Official based upon property size, individual circumstances or special hazards.
- A KNOX VAULT SERIES #4400 is to be installed on large, multi-tenant structures when required by the Fire Code Official.
- A KNOX PADLOCK SERIES #3770 is to be installed on exterior manual main gates when required by the Fire Code Official. Padlock #3770 or #3772 is acceptable.
- A KNOX ELEVATOR KEY BOX SERIES #1400 may be required in the lobby of each elevator bank at the lowest level of fire department access.
- A KNOX BOX SERIES #1600 may be use with a single keyed small commercial building. Approval based on requirement by Fire Code Official.
- KNOX FDC PLUGS #3110 or with SWIVEL GUARD #3041 are required for all fire department connections.



Knox Series #3200



Knox Vault Series #4400



Knox Series #1600



Knox Padlocks



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## KNOX BOX LOCATIONS

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### BIG BOX BUILDINGS

Example: Home Depot, Wal-Mart, etc.

- A **KNOX BOX SERIES #3200** is required at the exterior riser room door. Additional Knox boxes may be required by the Fire Code Official based upon property size, individual circumstances or special hazards.

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### STRIP MALLS

Example: single story, multi-suite exterior access

- A **KNOX BOX SERIES #3200** is required at exterior riser room doors. Additional Knox boxes may be required by the Fire Code Official based upon property size, individual circumstances or special hazards.
- Each tenant is required to provide and maintain the correct key(s) to their tenant space in the Knox box.

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### SPECIAL HAZARD OCCUPANCIES

- Any occupancy containing hazardous materials, operations or conditions must contact a Fire Inspector at 520-818-1017 for the required number and placement of Knox boxes.

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### OTHER APPLICATIONS

- **Electric, Automatic Gates** - **KNOX KEY SWITCH SERIES #3500** is required for all electronically locked gates. Refer to **Chapter 6: Automatic Gates** for additional information.
- **Pedestrian Gates** - 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. Refer to **Chapter 7: Manual Vehicle and Pedestrian Gates** for additional information.

### Notice!

This information is intended to be used as a guide only. Fire Department access needs and requirements vary from property to property; therefore, it is required that a Fire Inspector inspect and approve all Knox box and key switch locations prior to installation.



## BIG BOX RETAIL BUILDINGS



1. A KNOX BOX SERIES #3200 is required at the exterior riser room door. Knox boxes shall be installed on the latch side of the door(s).
2. Additional Knox boxes may be required by the Fire Code Official based upon property size, individual circumstances or special hazards.
3. All Knox boxes are required to be installed no more than 5 feet 6 inches above finished grade, as approved.



## STRIP MALLS



1. A **KNOX BOX SERIES #3200** is required at **exterior riser room doors**. Knox boxes shall be installed on the latch side of the door(s).
2. Additional Knox boxes may be required at by the Fire Code Official based upon travel distances.
3. Each tenant is required to provide and maintain the correct key(s) to their tenant space in the Knox box.
4. All Knox boxes are required to be installed no more than 5 feet 6 inches above finished grade, as approved.



## SMALL COMMERCIAL BUILDINGS



1. When provided with an automatic sprinkler system, a **KNOX BOX SERIES #3200 OR #1600** is required at the **exterior riser room door**. Knox boxes shall be installed on the latch side of the door.
2. In non-sprinklered buildings, a **KNOX BOX SERIES #3200 OR #1600** is required at the front entrance. Knox boxes shall be installed on the latch side of the door(s).
3. All Knox boxes are required to be installed no more than 5 feet 6 inches above finished grade, as approved.



## HIGH RISE BUILDINGS



1. A **KNOX VAULT SERIES #3200 OR #4400** is required on the latch side of the **main entry door**.
2. A **KNOX BOX SERIES #3200** may be required at the **exterior riser room door**, depending on location of the room. Knox boxes shall be installed on the latch side of the door(s).
3. A **KNOX ELEVATOR/LOBBY BOX SERIES #1400** is required in the lobby of each elevator bank at the lowest level of fire department access.
4. Additional Knox boxes may be required at other entry doors to the building when required by the Fire Code Official.
5. Each commercial tenant is required to provide and maintain the correct key(s) to their tenant space in the Knox box.
6. All Knox boxes are required to be installed no more than 5 feet 6 inches above finished grade, as approved.



## KNOX BOX PLACEMENT FOR PEDESTRIAN GATES



1. Primary access points with a pedestrian gate require Fire Department access. A KNOX BOX SERIES #3200 or KNOX KEY SWITCH SERIES 3500 is required.
2. The final location and number of Knox boxes required will be determined by the Fire Code Official.

