

# KNOX RAPID ACCESS SYSTEMS

## Code References

Use of Knox Products is supported by model codes as a means of establishing secure emergency access to commercial structures and fire department connections.

	NFPA	IFC	IBC	IEBC
				
	National Fire Protection Association	International Fire Code (International Code Council)	International Building Code (International Code Council)	International Existing Building Code
Commercial Applications – Outdoor Use				
KnoxBox® 3200	NFPA 1 18.2.2.1	IFC 506.1	IBC 402.7.5 (FD Access to equipment in covered or uncovered malls, anchor buildings, and associated parking garages)	
KnoxVault® 4400				
Knox Remote Power Box™	NFPA 1 11.1.7.1 - 11.1.7.2	IFC 604.1		
Knox Gate & Key Switches™, Knox Padlocks™	NFPA 1 18.2.2.2	IFC 506.1.1 Appendix “D” 103.5		
Commercial Applications – Outdoor Use, Weather Protection Required				
Knox Elevator Box™	NFPA 1 11.3.6.3.1 11.3.6.3.1.1 11.3.6.3.1.3	IFC 506.1 506.1.2	IBC Chapter 30, Elevators	
Knox Document Cabinet™		IFC 506.1 5001.5.1 - 5001.5.2 (Haz-Mat Mgt plan)		
FDC Protection Products				
Knox FDC Lock™, Knox Storz Lock™, Knox Standpipe Lock™	NFPA 1 13.1.13	IFC 912.4.1 905.11	IBC 912.4.1 905.11	IEBC 1011.2.1



# 2018 Code Excerpts Relative to Knox Products

## KnoxBox® 3200 and KnoxVault® 4400



### 2018 NFPA 1, Fire Code | Chapter 18.2.2.1

"The AHJ shall have the authority to require an access box(es) to be installed in an accessible location where access to or within a structure or area is difficult because of security. The access box(es) shall be of an approved type **listed in accordance with UL 1037**."

### 2018 International Fire Code | Chapter 506.1

"Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving of fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type **listed in accordance with UL 1037** and shall contain keys to gain necessary access as required by the fire code official."

### 2018 International Building Code | Chapter 402.7.5

"**Fire department access to equipment.** Rooms or areas containing controls for air-conditioning systems, automatic fire-extinguishing systems, automatic sprinkler systems or other detection, suppression or control elements shall be identified for use by the fire department."

## Knox FDC Protection



### 2018 NFPA 1, Fire Code | Chapter 13.1.13

"The AHJ shall have the authority to require locking fire department connection (FDC) plugs or caps on all water-based fire protection systems."

### 2018 International Fire Code | Chapter 912.4.1

### 2018 International Building Code | Chapter 912.4.1

"Locking Fire Department Connection Caps: The fire code official is authorized to require locking caps on fire department connections for water-based fire protection systems where the responding fire department carries appropriate keywrenches for removal."

### 2018 International Fire Code | Chapter 905.11

### 2018 International Building Code | Chapter 905.11

"The fire code official is authorized to require locking caps on the outlets on dry standpipe connections standpipes where the responding fire department carries key wrenches for the removal that are compatible with locking FDC connection caps."

### 2018 IEBC | Chapter 10, 1011.2.1

Where a change in occupancy classification occurs or where there is a change of occupancy within a space where there is a different fire protection system threshold requirement in Chapter 9 of the International Building Code that requires an automatic fire sprinkler system to be provided based on the new occupancy in accordance with Chapter 9 of the International Building Code, such system shall be provided throughout the area where the change of occupancy occurs.

## Knox Document Cabinet™



### 2018 International Fire Code | Chapter 5001.5.1 - 5001.5.2

"**Hazardous Materials Management Plan (HMMP).** The HMMP shall include a facility site plan designating the following:  
1. Access to each storage and use area." (see code for complete list)

"**Hazardous Materials Inventory Statement (HMIS).** The HMIS shall include the following information:"

1. Product name.
2. Component. (see code for complete list)

## Knox Elevator Box™



### 2018 NFPA 1, Fire Code | Chapter 11.3.6.3.1; 11.3.6.3.1.1; 11.3.6.3.1.3

"Where a standardized key cylinder cannot be installed in an existing elevator key switch assembly, the building's nonstandardized fire service elevator keys shall be provided in an access box in accordance with 11.3.6.3.1.1 through 11.3.6.3.1.6."

The access box shall be compatible with an existing rapid-entry access box system in use in the jurisdiction and approved by the AHJ.

"The access box shall be mounted at each elevator bank at the lobby nearest to the lowest level of fire department access."

### 2018 International Fire Code | Chapter 506.1.2

Key boxes provided for nonstandardized fire service elevator keys shall comply with Section 506.1 and all of the following:

1. The key box shall be compatible with an existing rapid entry box system in use in the jurisdiction and approved by the fire code official.
2. The front cover shall be permanently labeled with the words "Fire Department Use Only-Elevator Keys."

See code for complete list.

## Knox Remote Power Box™



### 2018 NFPA 1, Fire Code | Chapter 11.1.7.1 - 11.1.7.2

"Means shall be provided for the fire department to disconnect the electrical service to a building, structure, or facility when the electrical installation is covered under the scope of NFPA 70." "The disconnecting means shall be maintained accessible to the fire department."

### 2018 International Fire Code | Chapter 604.1

Identified electrical hazards shall be abated. Identified hazardous electrical conditions in permanent wiring shall be brought to the attention of the responsible code official. Electrical wiring, devices, appliances and other equipment which is modified or damaged and constitutes an electrical shock or fire hazard shall not be used.

## Knox Padlock™ Knox Gate & Key Switch™



### 2018 NFPA 1, Fire Code | Chapter 18.2.2.2

"The AHJ shall have the authority to require fire department access be provided to gated subdivisions or developments through the use of an approved device or system."

### 2018 International Fire Code | Chapter 506.1.1

An approved lock shall be installed on gates or similar barriers where required by the fire code official.

### 2018 International Fire Code | Appendix "D" D103.5

"Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official."

