

Life Safety & Fire Code

Field Reference Guide

10-topic reference covering fire-rated assemblies, panic hardware, fire alarm integration, delayed egress, NFPA 80 inspections, and more.

Quick Reference

Command: /lifesafety or tap Life Safety on home screen

Access: Requires active subscription or trial

Codes: NFPA / IBC code references

Topics: 10 reference topics

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1. Getting Started

The Life Safety & Fire Code guide is a field reference covering 10 critical topics for fire-rated door assemblies, egress hardware, and code compliance.

To open the Life Safety Guide:

- Type /lifesafety in the chat, or
- Tap Life Safety on the home screen keyboard

You'll see 10 topic buttons with code references. Tap any topic for detailed reference content. Each page includes a ← Back button to return to the menu.

Note: This is a field reference only — always verify with current editions of NFPA, IBC, and local fire codes. Code requirements vary by jurisdiction and occupancy type.

2. Available Topics

The Life Safety guide covers 10 topics with code references. Tap any topic button to view the full reference content.

Topic	Description
Fire-Rated Assemblies	Ratings (20/45/60/90 min), door = 3/4 wall, labels, glazing
Panic Hardware	When required (assembly 50+), specs (1/2 width, 15 lbf max), UL 305
Fire Alarm Integration	Mag lock release (3 conditions), hold-open closers, smoke doors
■ Delayed Egress	Max 15 sec delay, audible alarm, fire/sprinkler/power releases
Stairwell Re-Entry	Re-entry every 5 floors OR auto unlock on alarm, free exit
Mag Locks on Fire Exits	NFPA 101 §7.2.1.5.5: ALL 6 conditions required
NFPA 80 Inspection	Annual checklist (14 items), labeling, hardware, gaps, gaskets
Smoke & Fire Door Labels	Location (hinge edge, frame head), what voids a label
Emergency Lighting	Exit signs (6" letters, 90 min backup), 1 foot-candle at floor
NFPA Quick Reference	Key codes (NFPA 80, 101, 105, 72; IBC Ch.10; UL references)

3. Mag Lock on Fire Exit Requirements

Installing a magnetic lock on a fire exit requires meeting ALL 6 conditions per NFPA 101 §7.2.1.5.5. Missing even one condition means the installation is non-compliant.

All 6 conditions (every one must be met):

- Fire detection / sprinkler system — installed and operational
- Alarm signal releases lock — fire alarm activation unlocks the mag lock
- Power failure releases lock — fail-safe (lock releases when power is lost)
- REX sensor at door — request-to-exit motion sensor or device installed
- Push button within 5 ft — manual release button near the door
- Signage posted — instructions for emergency egress displayed at the door

Note: ALL 6 conditions must be met simultaneously. A mag lock on a fire exit without any one of these conditions is a code violation. When in doubt, consult the local AHJ (Authority Having Jurisdiction).

4. Key Code References

Quick reference for the most commonly cited fire and life safety codes in access control work.

Code	Section	Topic
NFPA 80	Fire door assemblies	Inspection, testing, maintenance
NFPA 101	Life safety code	Means of egress, occupancy requirements
NFPA 105	Smoke door assemblies	Smoke barrier doors, smoke partitions
NFPA 72	Fire alarm systems	Detection, notification, integration
IBC Ch. 10	Means of egress	Exit requirements, occupant load, travel distance
UL 10C	Fire door testing	Positive pressure fire test standard
UL 305	Panic hardware	Certification standard for exit devices
UL 1784	Air leakage	Smoke and draft control (door assemblies)

Tip: Keep a copy of NFPA 80 and NFPA 101 accessible on your phone or tablet. Many AHJs will ask for specific code citations during inspections.

5. Quick Reference

Action	How
Open Life Safety Guide	Type /lifesafety or tap Life Safety on home screen
Browse topics	Tap any of the 10 topic buttons
Return to menu	Tap ← Back on any topic page
Mag lock rules	Select Mag Locks on Fire Exits for all 6 conditions
NFPA 80 checklist	Select NFPA 80 Inspection for 14-item annual checklist
Fire alarm integration	Select Fire Alarm Integration for release requirements
Code references	Select NFPA Quick Reference for code lookup
Change language	Use /language — topics translate automatically