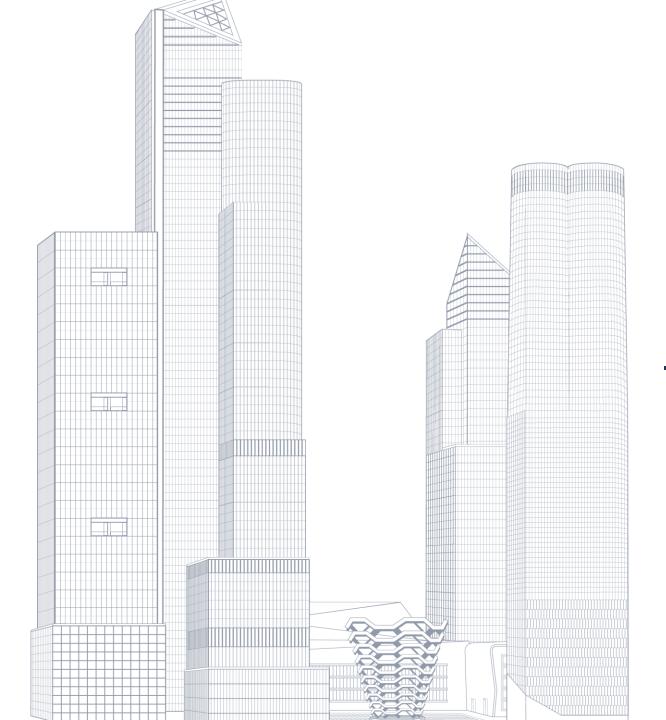


Role of a Fire Life Safety Director in a New York City Commercial High-Rise Building

Fire Safety & Emergency Preparedness





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Vice President – Fire Life Safety New York City Region



Fire Life Safety

What is a Fire Life Safety Director responsible for in a NYC commercial high-rise?

- 1. Fire Prevention & Emergency Preparedness
- 2. Management of all Fire and Life Safety Systems
- 3. Emergency Response Coordination
- 4. Compliance with Local Laws & National Standards
- 5. Certification & Training Requirements

Fire Safety & Emergency Preparedness



Definition of a FLSD

What is a Fire Life Safety Director?

- A Fire Life Safety Director (FLSD) is an individual who is certified and trained on fire alarm systems and associated components.
- They play a crucial role in ensuring fire safety and emergency preparedness in commercial high-rise buildings in New York City. (*A true first responder*)
- Their responsibilities are defined by local laws and national standards, including Local Law #5 of 1973, Local Law 26 of 2004, and NFPA 1082.



Building Intelligence is Critical





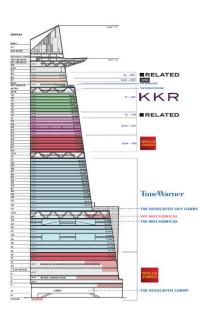












Responsibilities of a FLSD

Responsibilities

- Monitor all fire life safety related activities in the building
- Monitor the building's fire alarm panel fire protection systems and elevators
- Provide training and education for the tenants and staff
- Manage all fire alarm activation events
 - Dispatch the *Fire Brigade* upon receipt of any alarm
 - Make timely *voice announcements* to the building occupants
 - Provide information & instruction
 - Prepare for the FDNY to arrive

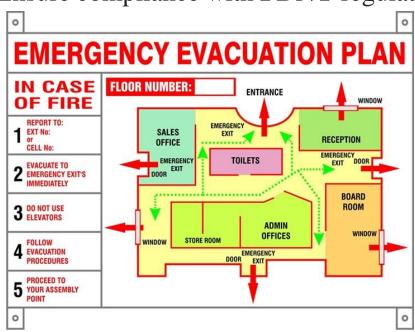




Prevention & Preparedness

Fire Prevention & Emergency Preparedness:

- Develop, implement, and maintain the **Fire Safety and Emergency Action Plan** (FS/EAP).
- Conduct regular fire and non-fire (EAP) drills and training for building occupants and staff.
- Ensure compliance with FDNY regulations and NYC Department of Buildings (DOB) fire codes.





Management of Life Safety Systems

Fire and Life Safety Systems Management

- Oversee fire alarm and suppression systems, ensuring they are tested, inspected, and maintained
- Manage fire extinguishers in accordance with **NFPA 1082** (Standard for Portable Fire Extinguishers)
- Ensure emergency lighting and exits are operational
- Inspection of photoluminescent tape in stairways
- Elevator readiness and firefighter recall testing
- Document management







Response Coordination

Emergency Response Coordination

Act as the on-site fire safety leader during:

- ***** Fire emergencies
- **❖** Non-fire emergencies (*Emergency Action Plan*)
 - * Examples would be Active Shooter, medical incidents, suspicious packages, or other life-threatening situations

Direct building occupants to safety by coordinating *evacuations*, *shelter-in-place*, or *relocation*.

Communicate with **FDNY and emergency responders**, providing key information upon arrival.

- CAN Report
- BEACHSELF

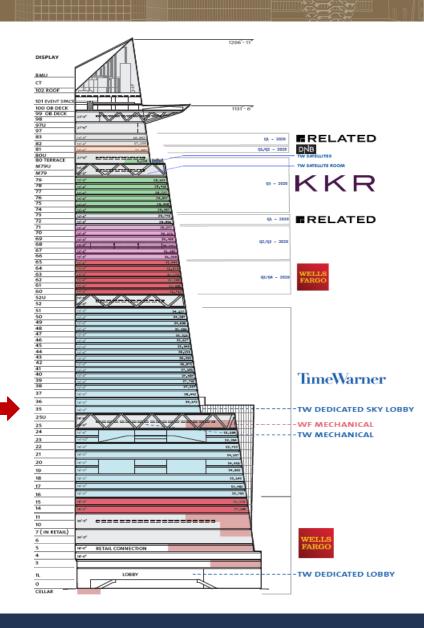


Quick Reference Material - BIC, Stacking Plan, Elevation Chart

APPENDIX B OFFICE BUILDING INFORMATION CARD (for use by fire Experiment personnel)

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35th Floor Sky Lobby, transfer to upper floors



FDNY Expectations

The first arriving firefighters need rapid and reliable information to best analyze the problem, and to safely address the situation.

BEACHSELF

- **B** Building Information Card
- E Elevator Status
- A Access Stairs
- C Communications
- **H** HVAC Status
- S Stairways and Standpipes
- E Evacuation Procedures
- L Life Hazard
- F Fire Location



CAN Report

- **C** Conditions
- **A** Actions
- **N** Needs

- ➤ Where is the alarm?
- ➤ What type of environment?
- > Is there smoke or fire?
- ➤ Is the area occupied?
- > Are individuals trapped or needing assistance?

What steps have the FLSD and Building Brigade taken?

- ✓ Number of alarms
- ✓ Response
- ✓ Elevator recall
- ✓ Fans



- Hand off the BICs
- Provide engineering escorts
- Make ready elevators
- Provide radios or ARCS



Compliance

Compliance with Local Laws & National Standards:

- Local Law #5 of 1973: Mandated the establishment of Fire Safety Directors in office buildings over 100 feet high and required fire drills.
- Local Law 26 of 2004: Strengthened fire safety in high-rise buildings, requiring automatic sprinkler systems, photoluminescent exit path markings, and emergency preparedness plans.
- NFPA 1082: Governs portable fire extinguishers, ensuring proper installation, maintenance, and use in emergencies.





Certification and Training

Certificate of Fitness – Educational Journey

- Attend and complete a *thirty-one* (31) *hour*, FDNY-approved, training course, covering fire safety, emergency action planning, and active shooter.
- Pass a written exam provided by the training school.
- Pass two (2) computer-based tests (CBT) at FDNY headquarters.
- Successfully complete a 4-6-hour *practical "On-site" examination* administered by the FDNY.
- Undergo periodic recertification to stay up to date with fire codes and regulations.

Emerging Fire Hazards



E-mobility & Lithium-ion Battery Fire Safety Awareness Initiative

- Consider new policies which may allow for the storage of personal mobility devices in designated bicycle storage areas but restricts the charging of batteries.
- Residential structures require greater flexibility and accommodations for the storage and charging of personal property, such as e-bikes and e-scooters, but have greater risk.





Fire Life Safety Tools and Educational Materials



Whether you are at home, or in the office, have a plan and be prepared to evacuate in case of a fire or other emergency.









The popularity of electric bikes and electric scooters (e-bikes and e-scooters) has taken off over the past few years. Lithium-ion batteries are usually the source of power for both, and if not used correctly, or if damaged, those batteries can catch on fire or explode. Whether you use e-bikes or e-scooters as your main way of getting around, or just for fun, there are important safety tips to keep in mind when charging or storing these devices.

The Problem

- Damaged or defective batteries can overheat, catch fire, or explode.
- Lithium-ion battery fires give off toxic gases and they burn extremely hot.

Safety Tips

- Only purchase and use devices, batteries, and charging equipment that are listed by a nationally recognized testing lab and labeled accordingly.
- Always follow the instructions from the manufacturer.
- Only use the battery and the charger that were designed for, and came with, the device.
- Do not keep charging the device or device battery after it is fully charged.
- Only charge one device or device battery at a time to prevent overloading the circuit.
- Keep batteries at room temperature when possible. Do not charge them at temperatures below 32°F (0°C) or above 105°F (40°C)
- Do not store batteries in direct sunlight or inside hot vehicles, and keep them away from children and liquids.

- Store e-bikes, e-scooters, and batteries away from exit doors and anything that can get hot or catch fire.
- Only have device repairs performed by a qualified professional.
- Do not put lithium-ion batteries in the trash. Recycling is always the best option. Take the batteries to a battery recycling location or contact your local waste department for disposal instructions.

Signs of a Problem

Stop using the e-bike or e-scooter if you notice any of these problems with the battery: unusual odor, change in color, too much heat, change in shape, leaking, smoking, or not keeping a charge.



Leave the building

immediately.

Don't try to fight the fire.

Call 911.





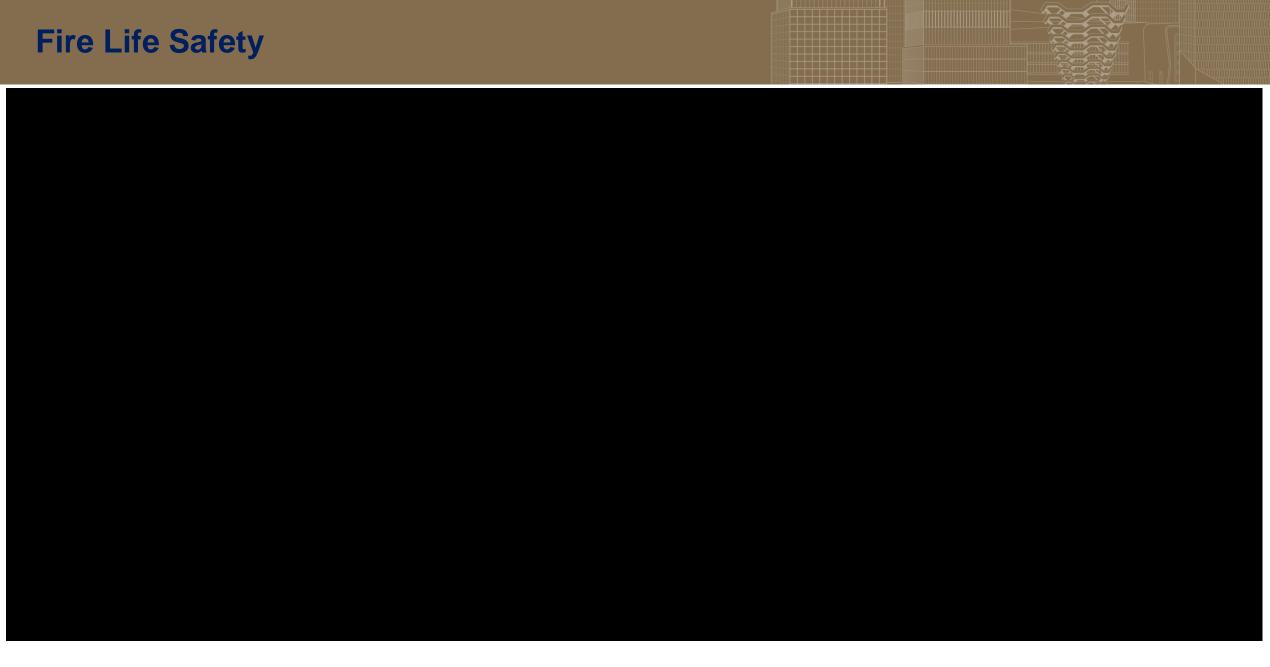


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Fire Life Safety



Questions or Comments



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Thank you