

LOS ANGELES FIRE DEPARTMENT



FIRE PREVENTION BUREAU

POLICY FOR SEQUENCE OF OPERATIONS

Policy: Attached are the guidelines for the Sequence of Operations for Life Safety Systems in High-Rise Buildings. This basic design guideline may vary depending on building requirements. LADBS has been instructed that all systems must be verified by LAFD prior to approval and/or installation.

Procedure for Sequence of Operations:

- 1.0 Basic Guidelines for Sequence of Operations for Life Safety Systems in High-Rise Buildings
- 1.1 Follow the guidelines specific to the requirements for the High-Rise Building in question.
- 1.2 For any additional questions, contact Unit Commanders.



BASIC GUIDELINES FOR SEQUENCE OF OPERATIONS FOR LIFE SAFETY SYSTEMS IN HIGH-RISE BUILDINGS

The following is a basic design guideline. Systems may vary depending on building requirements. All systems should be verified by LAFD prior to approval and/or installation.

	(1) Manual Pull	(2) Elevator Lobby Smoke Detector	(3) Area Smoke/Heat Detectors	(4) Duct Smoke Detectors	(5) Elevator Shaft Smoke/Heat Detector	(6) Sprinkler Water Flow Switch	(7) Sprinkler Valve Tamper Switch	(8) Special Extinguishing Systems	(9) Pre Action	(10) Building Power Failure
(A) Annunciate At Fire Control Room (Trouble and Alarm)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(B) Annunciate At 24HR Attended Remote Location * (Trouble and Alarm)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(C) Activate Audible And Visual Alarm Signals On Floor Of Alarm	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
(D) Shut Down All Air Handling On Floor Of Alarm (HVAC)	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
(E) Close All Smoke/Fire Dampers On Floor Of Alarm	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
(F) Release All Motorized And Electro-Magnetically Held Doors On Floor Of Alarm	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
(G) Activate Smoke Evacuation System On Floor Of Alarm	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
(H) Recall All Elevators Serving Floor Of Alarm	No	Yes	No	No	Yes	No	No	No	No	Yes
(I) Release All Stair Shaft Door Locks In Building	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
(J) Activate All Stair Shaft Pressurization In Building	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
(K) Open Elevator Shaft Smoke/Exhaust Dampers	No	No	No	No	Yes	No	No	No	No	No
(L) Release Approved Security Door Locks	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes

* If 24 HR on site monitoring is not provided, an approved automatic dialer system shall be installed and report to a LA City approved 24HR monitoring company.

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Full Voice-Evac with page by floor capabilities shall be provided for all new high-rise systems.