



# 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) <b>Annunciate At Fire Control Room</b> (Trouble and Alarm)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(B) <b>Annunciate At 24HR Attended Remote Location *</b> (Trouble and Alarm)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(C) <b>Activate Audible And Visual Alarm Signals On Floor Of Alarm</b>	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
(D) <b>Shut Down All Air Handling On Floor Of Alarm</b> (HVAC)	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
(E) <b>Close All Smoke/Fire Dampers On Floor Of Alarm</b>	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
(F) <b>Release All Motorized and Electro-Magnetically Held Doors On Floor Of Alarm</b>	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
(G) <b>Activate Smoke Evacuation System On Floor Of Alarm</b>	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
(H) <b>Recall All Elevators Serving Floor Of Alarm</b>	No	Yes	No	No	Yes	No	No	No	No	Yes
(I) <b>Release All Stair Shaft Door Locks In Building</b>	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
(J) <b>Activate All Stair Shaft Pressurization In Building</b>	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
(K) <b>Open Elevator Shaft Smoke/Exhaust Dampers</b>	No	No	No	No	Yes	No	No	No	No	No
(L) <b>Release approved Security Door Locks</b>	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.