

**NASSAU COUNTY REQUIRED FIRE ALARM SYSTEM SEQUENCE
OF OPERATIONS**

		Actuate Building Audible (Temporal 3) & Visual Notification Devices	Transmit Designated Signal to Central Station	Alarm Signal to FACP / Remote Annunciator	Supervisory Signal to FACP / Remote Annunciator	Trouble Signal to FACP / Remote Annunciator	Actuate Elevator Recall	Actuate Elevator Power Shunt Trip	Actuate Notification Devices Within Residential Unit - see note 2	Actuate Electric Waterflow Bell (When Provided)
	SYSTEM INPUT:									
1.	MANUAL PULL STATION	•	•	•				•	•	
2.	SMOKE DETECTOR	•	•	•				•	•	
3.	HEAT DETECTOR	•	•	•				•	•	
4.	SMOKE DETECTOR - ELEVATOR LOBBY	•	•	•		•		•	•	
5.	SMOKE DETECTOR - ELEVATOR MACHINE ROOM	•	•	•		•		•	•	
6.	HEAT DETECTOR - ELEVATOR MACHINE ROOM	•	•	•		•	•	•	•	
6.	SMOKE DETECTOR - ELEVATOR HOISTWAY	•	•	•		•		•	•	
7.	HEAT DETECTOR - ELEVATOR HOISTWAY	•	•	•		•	•	•	•	
8.	BEAM DETECTOR	•	•	•				•	•	
9.	SPRINKLER WATERFLOW / PRESSURE SWITCH	•	•	•				•	•	•
10.	DUCT SMOKE DETECTOR		•		•					
11.	SPRINKLER TAMPER SWITCH		•		•					
12.	SPRINKLER HI/LO PRESSURE		•		•					
13.	FIRE PUMP POWER FAILURE		•		•					
14.	FIRE PUMP AND/OR MOTOR RUNNING		•		•					
15.	FIRE PUMP PHASE REVERSAL		•		•					
16.	FIRE PUMP PHASE LOSS		•		•					
17.	CARBON MONOXIDE DETECTOR	•	•	•				•	•	
18.	AUTOMATIC or ALTERNATIVE EXTINGUISHING SYSTEM	•	•	•				•		
19.	NOTIFICATION APPLIANCE CIRCUIT SHORT		•		•					
20.	GROUND FAULT		•		•					
21.	OPEN CIRCUIT		•		•					
22.	LOW BATTERY		•		•					
23.	FACP POWER FAILURE		•		•					
24.	RESIDENTIAL UNIT SMOKE DETECTOR		•		•	•			•	
25.	RESIDENTIAL UNIT CARBON MONOXIDE DETECTOR		•		•	•			•	
26.	AIR SAMPLING DETECTION	•	•	•				•	•	

Notes:

- 1- HVAC reset shall be independent of FACP reset function
- 2- Residential sleeping areas shall meet the audibility requirements of NFPA 72 measured at pillow level (the greater of the following):
 - a - At least 15dB above ambient sound level or
 - b - 5dB above the maximum sound level having a duration of at least 60 seconds or
 - c - A sound level of at least 75dBA - This requirement may be met using either residential interior notification devices or building notification devices.
 - d - Where separate interior sounder units are provided for the interior of tenant spaces to annunciate common building alarms in R and I occupancies, low frequency devices are required.
3. Activation of a residential smoke or CO detector will transmit as a supervisory signal. Tampering or removal of device will transmit as a trouble signal.
4. Communication Paths - Multiple transmission paths shall be supervised within not more than 6 hours. Single transmission path shall be supervised at an interval of not more than 60 minutes.

