

## FIRE ALARM OPERATION SUMMARY

### A- PULL STATION AND COMMON AREA SMOKE DETECTOR OPERATION:

ACTIVATION OF A PULL STATION OR COMMON AREA SMOKE DETECTOR WILL INITIATE THE FOLLOWING EVENTS.

1- A VOICE EVAC MESSAGE WILL SOUND AT FLOOR OF INCIDENCE, FLOOR ABOVE AND FLOOR BELOW THE FLOOR OF INCIDENCE AS WELL AS ALL GENERAL ALARM AREAS(stairwells, ground floor and roof).

2- ALL STROBES IN THE BUILDING WILL OPERATE

3- THE F.A.C.P. WILL DIAL AND REPORT ACTIVITY TO EMERGENCY 24.

4- ALL DOOR HOLDERS WILL RELEASE

5- STAIR FANS IN STAIRWELLS WILL PRESSURIZE STAIRWELLS.

### B- ELEVATOR FIRE ALARM OPERATION: ALL ITEM "A" ACTIONS ALONG WITH THE FOLLOWING.

1- SMOKE DETECTORS IN ELEVATOR LOBBIES 2 THRU PH, TOP OF SHAFT AND MACHINE ROOM WILL RECALL ELEVATORS TO PRIMARY RECALL FLOOR(ground floor).

2- SMOKE DETECTOR IN GROUND FLOOR ELEVATOR LOBBY AND ELEVATOR PIT WILL RECALL ELEVATORS TO ALTERNATE RECALL FLOOR(2nd level).

3- DETECTORS WILL ALSO FLASH FIREMAN'S CAB LIGHT.

4- HEAT DETECTORS IN MACHINE ROOM WILL SHUNT ALL POWER TO ELEVATORS.

### C- SPRINKLER ACTIVATION FIRE ALARM OPERATION:

1- FLOW SWITCH ACTIVATION WILL FOLLOW ITEM "A" ABOVE.

2- TAMPER SWITCH ACTIVATION WILL CAUSE SUPERVISORY ALARM AT PANEL AND REPORT TO EMERGENCY 24.

3- F.A.C.P. MONITORS AND REPORTS FIRE PUMP RUN, A\C FAIL AND PHASE REVERSAL AS SUPERVISORY EVENTS.

D- F.A.C.P POWER BACK-UP: ALL F.A.C.P. OPERATIONS ARE ON EMERGENCY POWER CIRCUITS BACKED UP BY GENERATOR AND ARE BACKED UP BY BATTERIES TO SUPPLY 24 HOURS UNDER QUIESCENT LOAD THEN OPERATE AT MAX CONNECTED LOAD FOR 15 MIN.. LOSS OF A\C POWER IS INDICATED BY MAIN A\C POWER LOSS TROUBLE DISPLAY.