



**SEQUENCE OF OPERATION:**

WHEN AN ALARM IS DETECTED AT THE FIRE ALARM PANEL FROM SMOKE DETECTORS, THE SUPPLY FAN IS STOPPED AND THE SMOKE DAMPERS IN THE SUPPLY DUCTS OF THE AIR HANDLER SERVING THAT ZONE ARE CLOSED. THE SMOKE DAMPERS IN THE RETURN DUCTS OF THE SAME AIR HANDLER SMOKE ZONE REMAIN OPEN WITH THE RETURN FAN TO DE-PRESSURIZE THE FIRE ZONE.

FOR SMOKE ZONES ADJACENT TO THE ZONE CONTAINING THE FIRE, THE SUPPLY FANS SERVING THOSE ZONES REMAIN RUNNING AND THE SMOKE DAMPERS IN THEIR SUPPLY DUCTS REMAIN OPEN. RETURN FANS IN THE ADJACENT ZONES ARE STOPPED AND THEIR DUCT SMOKE DAMPERS ARE CLOSED, POSITIVELY PRESSURIZING THE ADJACENT ZONES.

IN THE EVENT OF A FAN FAILURE FOR THE ZONE, THE HEADER SYSTEM WILL PROVIDE AIRFLOW AND OPEN THE ASSOCIATED SMOKE DAMPERS.

SMOKE DAMPER POSITIONS ARE MONITORED BY HONEYWELL BMS IN SYSTEMS MONITORING (UH B2C204).

**NOTES:**

- 1 PNEUMATIC DAMPER ACTUATOR AND DAMPER POSITION SWITCH MUST BE FURNISHED WITH THE SMOKE DAMPER ASSEMBLY TO MAINTAIN UL LISTING.
- 2 SWITCH IS TO CLOSE WHEN DAMPER IS FULLY CLOSED.
- 3 HONEYWELL DIGITAL INPUT MODULES FOR MONITORING SMOKE DAMPER POSITION ARE LOCATED IN COMMUNICATION CLOSETS ON FLOORS B2, 1, 5 & 8 (17 LOCATIONS).
- 4 CONTROL INTERFACE MODULES ARE LOCATED ON 3RD FLOOR, 4 PANELS TOTAL.
- 5 COMPONENTS & APPLICATIONS ARE UL "UOJZ" LISTED FOR SMOKE CONTROL.
- 6 ELECTRIC/PNEUMATIC SWITCH LOCATED AT HONEYWELL ATC CONTROL PANEL.

**LEGEND:**

- PNEUMATIC
- - - ELECTRIC

- UH SMOKE CONTROL SCHEMATIC  
- SCALE: NONE

