LOGIC MATRIX

This mode	is caused by these inputs (4-200-xx)	which produces these outputs to close or turn off a ventilation device (Note 4):																					
1	2, 3, 25, 33, 38	D	-	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-	-		
2	1, 37	D	D	D	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-		
3	34 Note 3	-	-	-	D	D	D	D	D	D	D	D	D	-	-	-	-	-	-	-	-		
4	35 Note 3	D	D	D	-	-	D	D	D	D	D	D	-	D	-	-	-	-	-	-	-		
5	5, 7, 8, 12, 40	D	D	D	D	-	D	D	D	D	D	D	-	D	-	-	-	-	-	-	-		
6	39 Note 3	D	D	D	D	-	-	D	D	D	D	D	-	D	-	-	-	-	-	-	-		
7	22 Note 3	D	D	D	D	-	-	-	D	D	D	D	-	-	-	-	-	-	-	-	R	R2	
8	41 Note 3	D	D	D	D	D	D	-	D	D	D	D	-	-	D	-	-	-	-	-	R	R3	
9	9, 10, 13, 14, 23, 43	D	D	D	D	D	D	D	-	D	D	D	-	-	D	-	-	-	-	-	R	R4	
10	17, 18, 19, 20, 24, 42	D	D	D	D	D	D	D	D	-	-	-	-	-	-	D	-	-	-	-	-		
11	30 Note 3	D	D	D	D	D	D	D	D	D	D	D	-	-	-	-	D	-	-	-	-		
12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-		
13	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	-		
14	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-		
15	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R		
Ventilation Devices		ED 1-1	ED 1-2	ED 1-3	ED 2-1	ED 2-2	ED 2-3	ED 3-1	ED 3-2	ED 4-1	ED 4-2	ED 4-3	VAV 1st	VAV 2nd	VAV 3rd	VAV 4th	ACU 1	AHU 1	AHU 2	AHU 3	AHU 4	ELEV CONT	

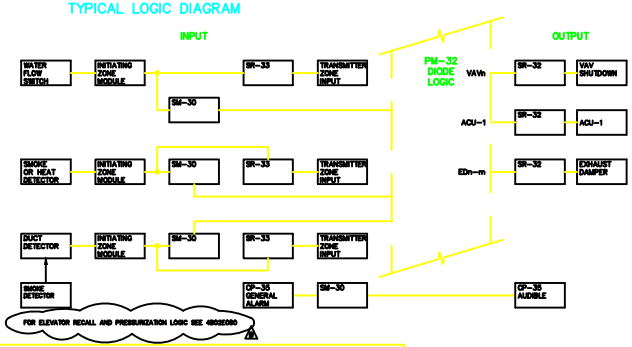
Notes:
1. ED1-1 and ED1-3 require common action.
2. ED4-1, ED4-2, and ED4-3 require common action.
3. Single inputs for reduced matrix modes do not require diodes.
4. D is an output causing a damper to close or a device to stop.
   - is no output allowing the ventilation device to operate normally.
5. R is direct control by relay in the initiating device.

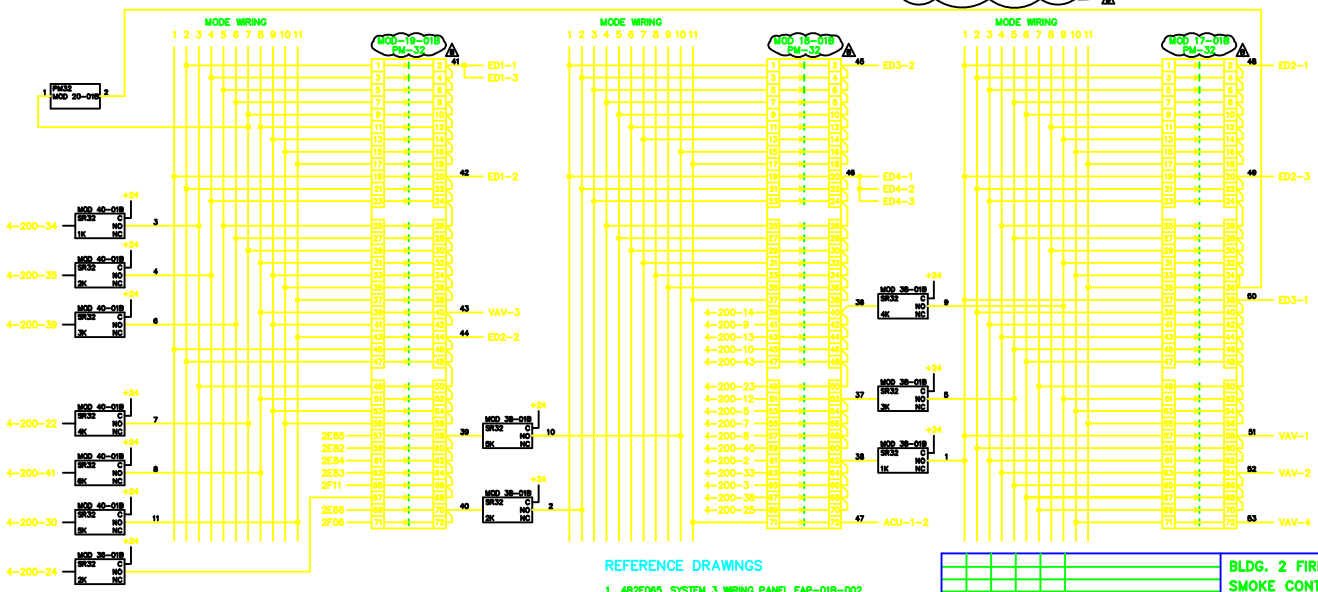
LEGEND

ACU-1 SR-32 CONTROLLING AIR CONDITIONING UNIT
AHU-1 SR-32 CONTROLLING AIR HANDLING UNIT
VAV-1 VARIABLE AIR VOLUME SHUNT TRIP SR-32
ED1-1 SR-32 CONTROLLING EXHAUST DAMPER

1ST NUMERAL INDICATES FLOOR; SECOND, ZONE FOR VAV & ED

TYPICAL LOGIC DIAGRAM





REFERENCE DRAWINGS

1. 4B2E065 SYSTEM 3 WIRING PANEL FAP-01B-002
2. 4B2E066 SYSTEM 3 WIRING PANEL FAP-01A-002
3. 4B2E067 SYSTEM 3 WIRING PANEL FAP-01-002
4. 4B2E070 SYSTEM 3 WIRING ROOM 147 PLAN & ELEVATION
5. 4B2E076 PANEL FAP-01B-002 SR-33 & PM-32 WIRING

C	LDD	LDD	MGD	04/25/95	AS-BUILT PER FIELD VERIFICATIONS	
B	RB	MG	MG	11/17/94	AS-BUILT W/MOD NUM.	
A	LSR	JEH	Rittaker	10/14/93	AS-BUILT	
REVISION	DRAWN BY	CHECKED BY	APPROVED BY	DATE	REMARKS	

BLDG. 2 FIRE ALARM SYSTEM SMOKE CONTROL MATRIX

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY LABORATORY
FACILITIES DEPARTMENT

DRAWN BY	L. Rabbeck	11-11-93
CHECKED BY	J. Hutchinson	11-11-93
APPROVED BY	R. Baker	11-16-93
CAD FILE NO.		
SCALE	NONE	
DRAWING NO.	4B02E057C	SHEET
PROJECT NO.	000000	