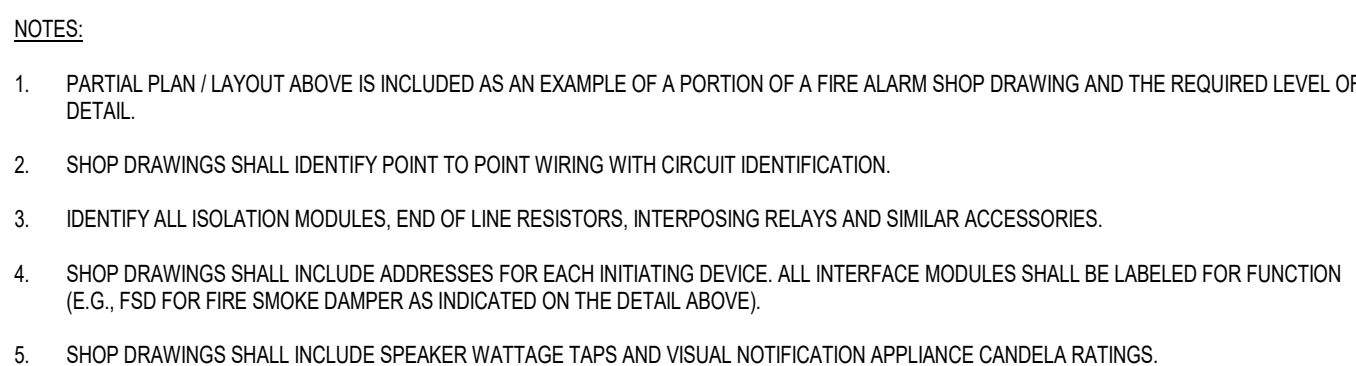


1. INSTALL ALL MODULES WITHIN SMOKE CONTROL INTERFACE CABINET AS INDICATED. INSTALL CABINET WITHIN 30' OF ASSOCIATED SMOKE CONTROL FAN CONTROLLER.
2. WIRING BETWEEN MODULES AND TERMINALS NOT SHOWN FOR CLARITY.
3. THIS DETAIL IS APPLICABLE TO ALL SMOKE CONTROL FANS.
4. WIRING FROM FIRE ALARM MODULES TO INTERFACE EQUIPMENT BY DIVISION 28.
5. INTERPOSING RELAYS AND ADDRESSABLE RELAYS SHALL BE CAPABLE OF OPERATING WITHIN THE VOLTAGE AND CURRENT LIMITATIONS OF THE FIRE ALARM SYSTEM CONTROL UNIT.
6. INTERPOSING RELAYS SHALL BE UNLIKE LISTED FOR USE IN SMOKE CONTROL APPLICATIONS.
7. FACTORY WIRING SHALL BE BY IFC CERTIFIED WIRING TECHNICIAN IN A CONTROLLED ISO 9001 REGISTERED ENVIRONMENT.

1	MONITOR MODULE (MM): SUPERVISION OF FAN POWER VOLTAGE RELAY
2	MM: SUPERVISION OF LOCAL FAN MOTOR DISCONNECT POSITION
3	MM: SUPERVISION OF DIFFERENTIAL PRESSURE SWITCH / CURRENT TRANSFORMER (CT) SENSOR.
4	MM: SUPERVISION OF AUTOMATIC CONTROL DAMPER (ACD) POSITION (OPEN)
5	MM: SUPERVISION OF ACD POSITION (CLOSED).
6	RELAY MODULE (RM): START FAN.
7	RM: STOP FAN.
8	RM: OPEN/CLOSE AUTOMATIC CONTROL DAMPER.
9	INTERPOSING RELAY (IR): FAN VOLTAGE MONITORING MR SERIES RELAY.
10	IR: AUTOMATIC CONTROL DAMPER CONTROL MR-SERIES RELAY.

11	SIGNALING LINE CIRCUIT (SLC) IN
12	SLC OUT
13	INITIATING DEVICE CIRCUIT (IDC) WIRING TO LOCAL DISCONNECT POSITION
14	IDC WIRING TO DP SWITCH / CT SENSOR
15	IDC WIRING TO ACQ "OPEN" END SWITCH
16	IDC WIRING TO "CLOSED" END SWITCH
17	RELAY WIRING TO FAN VARIABLE FREQUENCY DRIVE (VFD) START/STOP CONTACTS
18	RELAY WIRING TO FAN VFD SAFETY INTERLOCK CONTACTS
19	SUPERVISOR WIRING TO FAN POWER CIRCUIT; MAKE CONNECTION DOWNSTREAM OF LOCAL DISCONNECT ON FAN VFD
20	120VAC DAMPER POWER WIRING IN.
21	120VAC DAMPER POWER WIRING OUT.

22	S/C T/OFFN ADDRESSABLE MODULES
23	S/C IN/OUT OF ADDRESSABLE MODULE
24	DC /RELAY / VOLTAGE WIRING TO FACTORY TERMINAL CONNECTION
25	DC /RELAY / VOLTAGE WIRING FROM ADDRESSABLE MODULES / MR SERIES RELAYS
26	DC WIRING TO FAN POWER VOLTAGE RELAY.
27	RELAY WIRING TO DAMPER CONTROL RELAY.
28	DC /RELAY WIRING FROM ADDRESSABLE MODULES.
<u>CABINET ENCLOSURE:</u>	
29	PRE-LABELED FIELD TERMINAL CONNECTIONS.
30	FACTORY TERMINAL CONNECTIONS.
31	HIGH/LOW VOLTAGE CLEAR LEXAN DIVIDER



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principal architect _____
project manager: JCC _____
drawn by: CRB, SMK _____
checked by: Checker _____
job no. 20252 _____
date 06/17/2024 _____

revisions:

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no. date by

IFC Set 2 of :
05/17/2024

FIRE ALARM DETAILS

FA7.01