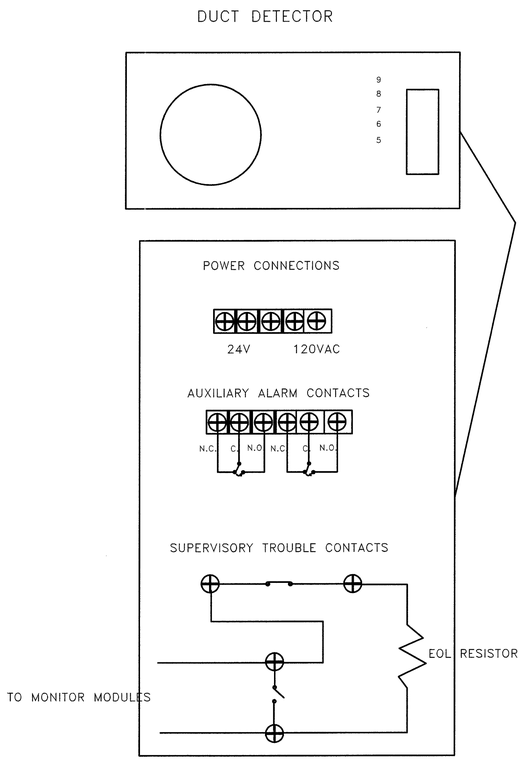
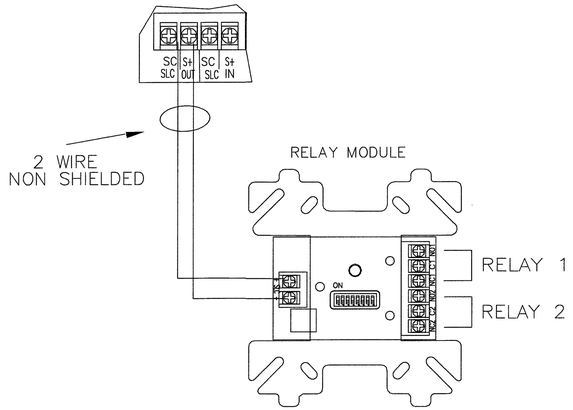
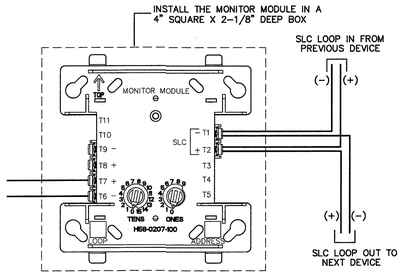
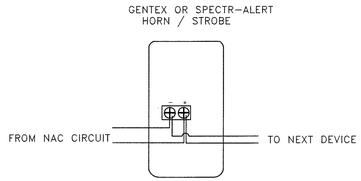
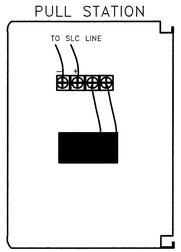


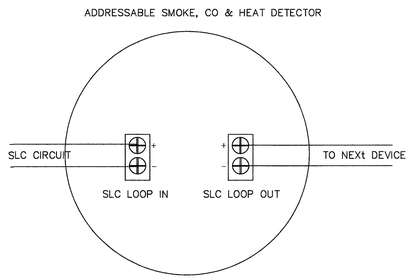




MONITOR MODULE







Pyrocadd
THE PYROCADD COMPANY
A FIRE SYSTEM DESIGN FIRM
A NICET CERTIFIED COMPANY
PO BOX 103
OAK ISLAND, NC 28465
910-933-1084
dave@pyrocadd.com
WWW.PYROCADD.COM

DIVERSIFIED CONSULTING GROUP, PLLC
PLUMBING
MECHANICAL
ELECTRICAL
FIRE ALARM
4671 WESTERN BLVD, RALEIGH, NC 27606
PHONE: 919-859-8153 FAX: 919-859-8991
EMAIL: INFO@DCGRALEIGH.COM

This drawing and the design shown are the property of DCG. The reproduction, copying or other use of this drawing without their written consent is prohibited.
© 2019
Diversified Consulting Group, PLLC

LEGEND

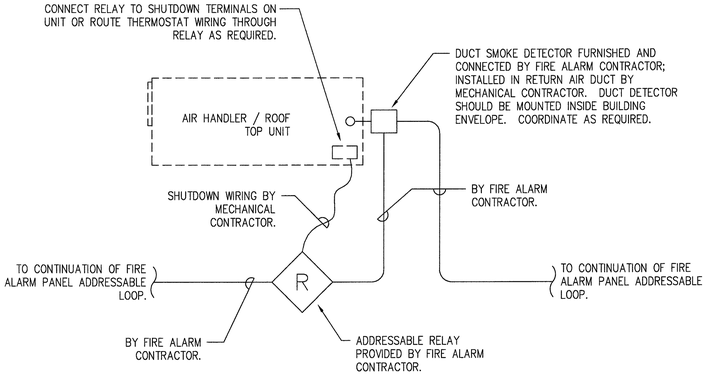
FACP	FIRE ALARM CONTROL PANEL
FAPB	FIRE ALARM POWER BOOSTER
F	PULL STATION
M	MONITOR MODULE
SD	SMOKE DETECTOR
S/C	SMOKE/CO DETECTOR
F	HORN/STROBE WALL MOUNTED
F	HORN/STROBE CEILING MOUNTED
S	STROBE CEILING MOUNTED
R	RELAY MODULE
DD	DUCT DETECTOR
cd	CANDELA RATING
EOL	END OF LINE RESISTOR
WG	WIRE GUARD
DH	24V MAGNETIC DOOR HOLDER
HD	HEAT DETECTOR
FSD	FIRE/SMOKE DAMPERS (BY OTHERS)

WIRE LEGEND

NAC & AUX CIRCUITS SHALL BE: 14-2 NON-SHIELDED FIRE ALARM CABLE

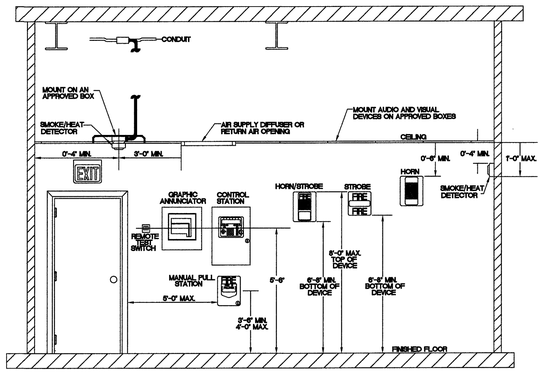
SLC LOOP SHALL BE: 16-2 NON-SHIELDED FIRE ALARM CABLE

DOOR HOLDER CIRCUIT: 14-2.



TYPICAL HVAC UNIT SHUTDOWN WIRING DIAGRAM

1 FA3 SCALE: NONE



FIRE ALARM DEVICE MOUNTING DETAIL

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM OUTPUTS

FACP ANNUNCIATION | NOTIFICATION | REQUIRED FIRE SAFETY CONTROL

	SYSTEM INPUTS	A: ACTUATE COMMON ALARM SIGNAL INDICATOR	B: ACTUATE AUDIBLE ALARM SIGNAL	C: ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	D: ACTUATE AUDIBLE SUPERVISORY SIGNAL	E: ACTUATE COMMON TROUBLE SIGNAL INDICATOR	F: ACTUATE AUDIBLE TROUBLE SIGNAL	G: ACTUATE ZONE OR DEVICE ADDRESS ALARM INDICATOR	H: ACTUATE GENERAL EVACUATION SIGNAL	I: DISPLAY CHANGE OF STATUS	J: TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	K: TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	L: TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	M: RELEASE MAGNETIC HOLD-OPENS TO RECALL FLOORS	N: RECALL ELEVATOR TO HELD FLOORS	O: RECALL ELEVATOR TO ALTERNATE RECALL FLOOR	P: ACTUATE WARNING TO ELEVATOR CARS	Q: RELATED REMOVAL OF POWER FROM ELEVATOR	R: UNLOCK EXITS AND CONTROL DOORS	S: SHUT DOWN RESPECTIVE AIR HANDLING EQUIPMENT	T: CLOSE RESPECTIVE FIRE/SMOKE DAMPERS	U: --	
1	FIRE ALARM SYSTEM AC POWER FAILURE					●	●						●											1
2	FIRE ALARM SYSTEM LOW BATTERY					●	●						●											2
3	OPEN CIRCUIT					●	●						●											3
4	GROUND FAULT					●	●						●											4
5	NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●						●											5
6	BUILDING MANUAL PULL STATIONS	●	●					●	●	●	●			●						●				6
7																								7
8	AREA SMOKE DETECTORS	●	●					●	●	●	●			●	●					●				8
9	DUCT DETECTORS			●	●			●				●									●	●		9
10	SPRINKLER TAMPER SWITCH			●	●			●				●												10
11	SPRINKLER WATER FLOW IN BUILDING	●	●					●	●	●	●				●	●				●				11
12	ELEV SHAFT HEAT DETECTOR	●	●					●	●	●	●				●	●		●	●	●				12
13	ELEV SHAFT AREA SMOKE DETECTOR	●	●					●	●	●	●				●	●		●		●				13
14																								14
15	ELEV LOBBY SMOKE DETECTORS - UPPER FLOORS	●	●					●	●	●	●				●	●				●				15
16	ELEV LOBBY SMOKE DETECTOR - RECALL FLOOR	●	●					●	●	●	●				●		●	●		●				16
17																								17
18																								18
19																								19

	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	

NEW FIRE ALARM SYSTEM FOR:
CAROLINA CHARTER ACADEMY
8529 HIGHWAY 55
ANGIER, NORTH CAROLINA 27501

PROJECT NO: 18-103-33

DATE: 3/21/19

CAD DWG FILE: FA1.dwg

DRWN BY: DWR CHKD BY: WHC

FIRE ALARM PLAN

FA1