

A1

DELUGE RELEASING CONTROL PANEL SEQUENCE OF OPERATIONS

SCALE: N.T.S.

A3

FIRE ALARM SEQUENCE OF OPERATION

SCALE: N.T.S.

SYSTEM INPUT																
ALARM DEVICES																
1	MANUAL DELUGE RELEASING PULL STATION	●	●			●		●	●	●					●	1
2	SIGNAL FROM IR/UV DETECTOR	●	●			●		●	●	●					●	2
SUPERVISORY DEVICES																
3	EMERGENCY POWER OFF SWITCH		●	●		●			●				●			3
4	RECP COMMON SUPERVISORY		●	●		●		●								4
5	SUPERVISORY SIGNAL FROM DELUGE SYSTEM MODULES		●	●		●										5
TROUBLE FUNCTIONS																
6	RECP AC POWER FAILURE				●	●		●							●	6
7	RECP ALARM SYSTEM LOW BATTERY				●	●		●							●	7
8	OPEN CIRCUIT				●	●		●							●	8
9	GROUND FAULT				●	●		●							●	9
10	RECP COMMON TROUBLE				●	●		●							●	10
11	TROUBLE SIGNAL FROM DELUGE SYSTEM MODULES				●	●		●							●	11
PANEL FUNCTIONS																
12	SYSTEM SILENCE													●		12
13	SYSTEM RESET														●	13
		A	B	C	D	E	F	G	I	J	K	L	M	N	O	P
		Q	R	S												

SYSTEM INPUT																
ALARM DEVICES																
1	SPRINKLER SYSTEM WATER FLOW SWITCH	●	●				●		●							1
2	MANUAL FIRE ALARM PULL STATION	●	●				●		●							2
3	SMOKE DETECTOR	●	●				●		●							3
4	RECP ALARM	●	●				●		●							4
TROUBLE FUNCTIONS																
5	FACP COMMON TROUBLE			●	●				●							5
6	FACP AC POWER FAILURE			●	●				●							6
7	FACP LOW BATTERY			●	●				●							7
8	OPEN CIRCUIT			●	●				●							8
9	GROUND FAULT			●	●				●							9
10	NOTIFICATION APPLIANCE CIRCUIT SHORT			●	●				●							10
11	RECP COMMON TROUBLE			●	●				●							11
SUPERVISORY DEVICES																
12	FACP COMMON SUPERVISORY				●	●			●							12
13	DUCT SMOKE DETECTOR				●	●			●				●			13
14	IR/UV PANEL COMMON SUPERVISORY				●	●			●							14
15	RECP COMMON SUPERVISORY				●	●			●							15
PANEL FUNCTIONS																
16	SYSTEM SILENCE														●	16
17	SYSTEM RESET														●	17
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
		P	Q	R	S											

SYSTEM OUTPUTS																
PANEL ANNUNCIATION																
	ACTUATE ALARM SIGNAL INDICATOR AND AUDIBLE IN PROTECTED SPACE															
	DISPLAY ALARM DEVICE															
	ACTUATE SUPERVISORY INDICATOR AND AUDIBLE															
	DISPLAY SUPERVISORY CONDITION															
	ACTUATE TROUBLE INDICATOR AND AUDIBLE															
	DISPLAY TROUBLE CONDITION															
	TRANSMIT ALARM SIGNAL TO FACP															
	TRANSMIT SUPERVISORY SIGNAL TO FACP															
	TRANSMIT TROUBLE SIGNAL TO FACP															
	TRANSMIT DELUGE SIGNAL TO CAMPUS REPORTING STATION															
	ACTUATE AND DISPLAY SUPERVISORY CONDITION ON FACP															
	ACTIVATE DELUGE SYSTEM RELEASE SOLENOIDS															
	SHUT DOWN POWER TO ELECTRONIC EQUIPMENT IN ROOM IN ALARM															
	RELEASE MAGNETICALLY LOCKED OR HELD-OPEN DOORS WHERE PROVIDED															
	SILENCE PANEL AND DELUGE AUDIBLES (VISUAL CONTINUE)															
	CONTROL PANEL RETURNS TO NORMAL (AUDIBLES AND VISUALS STOP)															
	TRANSMIT ALARM SIGNAL TO CONTROL HOUSE															
	TRANSMIT TROUBLE SIGNAL TO CONTROL HOUSE															
		A	B	C	D	E	F	G	I	J	K	L	M	N	O	P
		Q	R	S												

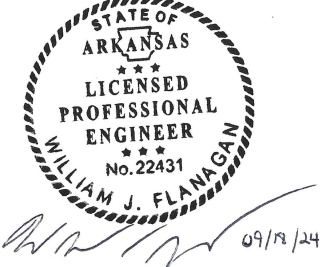
SYSTEM OUTPUTS																
CONTROL UNIT ANNUNCIATION																
	ACTUATE COMMON ALARM SIGNAL INDICATOR AND AUDIBLE															
	DISPLAY ALARM DEVICE															
	ACTUATE COMMON TROUBLE SIGNAL INDICATOR AND AUDIBLE															
	DISPLAY TROUBLE CONDITION															
	ACTUATE SUPERVISORY SIGNAL INDICATOR AND AUDIBLE															
	DISPLAY SUPERVISORY CONDITION															
	TRANSMIT FIRE ALARM SIGNAL TO REPORTING STATION															
	TRANSMIT TROUBLE SIGNAL TO REPORTING STATION															
	TRANSMIT SUPERVISORY SIGNAL TO REPORTING STATION															
	TRANSMIT WATER FLOW SIGNAL TO REPORTING STATION															
	ACTUATE OCCUPANT NOTIFICATION THROUGHOUT THE BUILDING															
	CLOSE ASSOCIATED SMOKE DAMPER UPON DETECTOR ACTIVATION															
	ACTUATE FIRE ALARM SPEAKER/STROBE ON EXTERIOR OF FIRE PROTECTION EQUIPMENT ROOM															
	TRANSMIT SIGNAL TO SHUTDOWN ASSOCIATED HVAC UNIT															
	OPEN ASSOCIATED DELUGE VALVE															
	TRANSMIT SIGNAL TO BUILDING LIGHTING SYSTEM CONTROLLERS TO TURN ON EMERGENCY LIGHTING															
	SHUT DOWN DUST COLLECTION SYSTEM															
	SILENCE PANEL AND BUILDING FIRE ALARM AUDIBLE/VISUAL NOTIFICATION APPLIANCES STOP															
	CONTROL PANEL RETURNS TO NORMAL															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
		P	Q	R	S											



Campus Standard Details
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

FIRE ALARM
DETAILS

SHEET NO	
FA802	
SCALE	N.T.S.
DATE	09/18/2024
PROJ	D37545N0
DWG	CADD\\OSD_Standard Details_F802



Jacobs
1999 Bryan Street Suite 3000 Dallas, TX 75201
Tel: 214-638-0145 Fax: 214-638-0447
Entity: Jacobs Engineering Group Inc.
License: Professional Engineer
Exp. Date: 12/31/2024