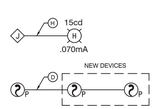
A SCHEDULES - SEQUENCE OP OPERATIONS MATRIX

	MANUAL PULL STATION	SMOKE DETECTOR	DUCT SMOKE DETECTOR	ELEVATOR MACHINE RM SMOKE	LOWER LEVEL ELEVATOR LOBBY SMOKE	UPPER LEVEL ELEVATOR LOBBY SMOKE	WET WATERFLOW	DRY WATERFLOW	HIGH/LOW AIR	TAMPER SWITCH	POST INDICATOR	SYSTEM TROUBLE
DISPLAY OF AN ALARM EVENT AT THE FACP	●	●					●					
DISPLAY OF A SUPERVISORY EVENT AT THE FACP			●							●	●	
DISPLAY OF A TROUBLE EVENT AT THE FACP												●
DISPLAY OF AN ALARM EVENT REMOTE ANNUNCIATOR	●	●					●					
DISPLAY OF A SUPERVISORY EVENT REMOTE ANNUNCIATOR			●							●	●	
DISPLAY OF A TROUBLE EVENT REMOTE ANNUNCIATOR												●
TRANSMIT AN ALARM SIGNAL TO THE CENTRAL STATION	●	●					●					
TRANSMIT A SUPERVISORY SIGNAL TO THE CENTRAL STATION			●							●	●	
TRANSMIT A TROUBLE SIGNAL TO THE CENTRAL STATION												●
ACTIVATE ALL AUDIBLE & VISIBLE DEVICES	●	●					●					
INITIATE ELEVATOR RECALL TO UPPER LEVEL												
INITIATE ELEVATOR RECALL TO LOWER LEVEL												
ILLUMINATE FIREMANS HAT												

B RISER DIAGRAMS



C POWER CALCULATIONS

FA25075 LSL OFFICE TI						
SIEMENS FC922 FACP						
Current Load:		Standby:		Alarm:		
Device Type	Quantity	Amps	Total	Amps	Total	
Main System Board	1	0.12000	0.1200	0.70000	0.7000	
NAC 1	1	0.00000	0.0000	0.97100	0.9710	
NAC 2	1	0.00000	0.0000	1.02000	1.0200	
OP921 SMOKE DETECTOR	3	0.00025	0.0008	0.00041	0.0012	
Total Panel Loads:			0.121	Amps	2.692	Amps
Standby Current Load:	0.121	Amps	For 24 Hours =	2.898	Amp-hours	
Alarm Current Load:	2.692	Amps	For 5 Minutes=	0.226	Amp-hours	
			20% Derating=	3.749	Amp-hours	
Total System Current Load:				3.749	Amp-hours	
Battery Pair to be Used:	12VDC		Amp-hours	8		

Voltage Drop Chart						
FA25075 LSL OFFICE TI						
Panel	Circuit	Area	Total Wire Length	Amps	Voltage Drop	EOL Voltage
FACP	1	EXISTING DEVICES	800	0.971	1.958	22.042
FACP	2	EXISTING DEVICES	800	1.020	2.056	21.944

SMITH FIRE SYSTEMS INC.
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SMITHFS861RS

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

LSL OFFICE TI

302 33RD ST SE
PUYALLUP, WA 98372
PARCEL# 1200283547

ISSUE LOG:

DATE	INT	DESCRIPTION

CONSTRUCTION SET

DESIGNER:	SCOTT JERKE
ISSUE DATE:	8/4/25
PROJECT #:	FA25075
SYSTEM:	FIRE ALARM
SHEET:	SCHEDULES & CALCULATIONS

FA501