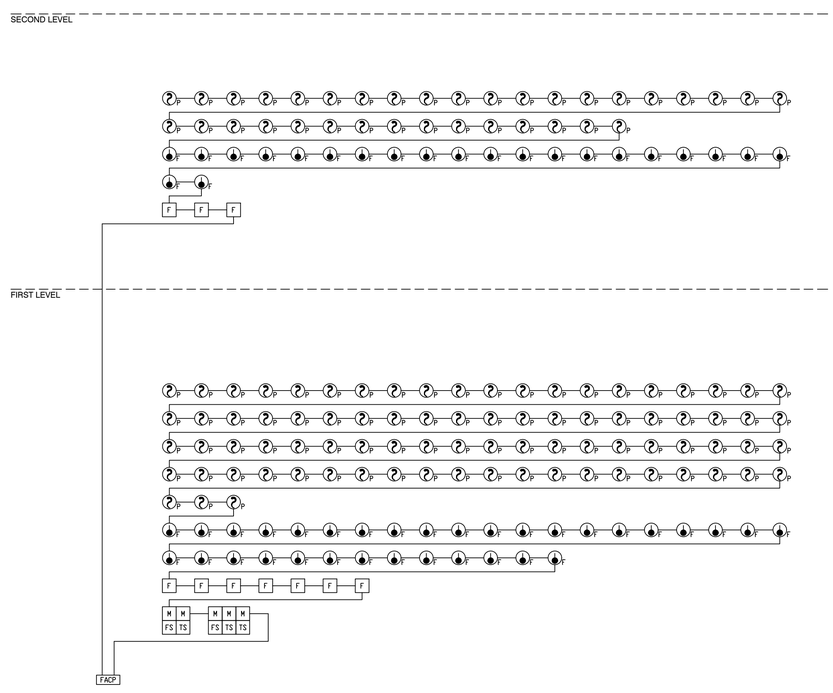
	MANUAL PULL STATION	SMOKE DETECTOR	DUCT SMOKE DETECTOR	ELEVATOR MACHINE RM SMOKE	LOWER LEVEL ELEVATOR LOBBY SMOKE	UPPER LEVEL ELEVATOR LOBBY SMOKE	WET WATER FLOW	DRY WATER FLOW	HIGH/LOW AIR	TAMPER SWITCH	POS INDICATOR	SYSTEM TROUBLE
DISPLAY OF AN ALARM EVENT AT THE FACP	●	●		●	●	●	●					
DISPLAY OF A 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				●								

A SCHEDULES - SEQUENCE OP OPERATIONS MATRIX



B RISER DIAGRAMS

FA24129 - Battery Calculation Report

PANEL INFORMATION

Panel Type	6820(EVS)SK-SS
No. of Loops	0
No. of Devices	
Status	PASS

BATTERY & CHARGER REQUIREMENT

Normal Operation	24 Hours	BAT-1250	5Ah	2.348Ah	BB-17
In Alarm	5 Mins	Suggested Battery	Suggested Capacity	Required Capacity	Suggested Batt. Box

Standby/Quiescent Load					Alarm Load			
Standby Load Current	x	Panel In Normal Operation (In hours)			In Alarm Load Current(In Amps)	x	Panel In Alarm(In Hours)	
0.078		24	=	1.872 Ah	0.079		0.083(5mins)	= 0.007Ah

Total Current Load	=	1.879Ah
Multiply with derating factor	=	x1.25
Adding with spare capacity	=	N/A
Total AH required	=	2.348 Ah

Overall Battery Usage

Max.Battery Capacity :	35	2.35 Ah Consumed 6.7% (0% – 100%)

PANEL COMPONENTS & CIRCUITS

No. of Panel Components & Circuits	205	79.26 mA Consumed 0.2% (0% – 100%)

Device Name	Quantity	Quiescent/Stand By (mA)	Alarms (mA)
6815	1	78	78
SKPHOTO	138	0.04	0.9
SKHEAT	51	0.02	0.33
SKPULL	10	0	0
SKMONITOR	5	0	0.02

NAC CIRCUITS

NAC Name	Quiescent/Stand By (mA)	Alarms (mA)
NAC Circuit 1	0	0
NAC Circuit 2	0	0
NAC Circuit 3	0	0
NAC Circuit 4	0	0
NAC Circuit 5	0	0
NAC Circuit 6	0	0

C POWER CALCULATIONS

SMITH FIRE SYSTEMS INC.
1106 54TH AVE E
TACOMA, WA 98424
(253) 926-1880
SMITHFS861RS

MULTICARE CTU

402 15TH AVE SE
PUYALLUP, WA
PARCEL# 7790000566

ISSUE LOG:

DATE	INT	DESCRIPTION

CONSTRUCTION SET

DESIGNER:	SCOTT JERKE
ISSUE DATE:	11/18/24
PROJECT #:	FA24129
SYSTEM:	FIRE ALARM
SHEET:	SCHEDULES & CALCULATIONS

FA501