FA23114 FAIR VIEW CLUB BANQUET HALL						
HONEYWELL FSE HPF-PS6						
Current Load:		Standby:		Alarm:		
Device Type	Quantity	Amps	Total	Amps	Total	
Main System Board	1	0.13900	0.1390	0.15700	0.2550	
NAC 1	1	0.00000	0.0000	1.02200	1.0220	
NAC 2	1	0.00000	0.0000	0.75900	0.7590	
NAC 3	1	0.00000	0.0000	1.12600	1.1260	
NAC 4	0	0.00000	0.0000	0.00000	0.0000	
Total Panel Loads:			0.139	Amps	3.162	Amps
Standby Current Load:	0.139	Amps	For 24 Hours =	3.336	Amp-hours	
Alarm Current Load:	3.162	Amps	For 5 Minutes=	0.266	Amp-hours	
			20% Derating=	4.322	Amp-hours	
Total System Current Load:				4.322	Amp-hours	
Battery Pair to be Used:	12VDC		Amp-hours	8		

Voltage Drop Chart						
FA23114 FAIR VIEW CLUB BANQUET HALL						
Panel	Circuit	Area	Total Wire Length	Amps	Voltage Drop	EOL Voltage
FSE	1	1ST LEVEL	746	1.022	1.921	22.079
FSE	2	1ST LEVEL	702	0.759	1.343	22.657
FSE	2	2ND LEVEL	750	1.126	2.128	21.872
FSE	4	0	0	0.000	0.000	24.000

A POWER CALCULATIONS

SMITH FIRE SYSTEMS INC.
1106 54TH AVE E
TACOMA, WA 98424
(253) 926-1880
SMITHFS961RS

WASHINGTON STATE FAIR
FAIR VIEW CLUB BANQUET HALL
110 9TH AVE SW
PUYALLUP, WA 98371
PARCEL# 0420331121

ISSUE LOG:

DATE	INT	DESCRIPTION

CONSTRUCTION SET

DESIGNER:	SCOTT JERKE
ISSUE DATE:	12/5/23
PROJECT #:	FA23114

SYSTEM: FIRE ALARM

SHEET: POWER CALCULATIONS

FA801