Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 12/08/17

FC922/FC924/FV922/FV924 Battery Calc Sheet
Version 1.7

	Enter value
	Select choice
	Fixed
	Calculated

Ref. No.
Submitted By: EASTERN FIRE SERVICES
Project Name: MAINE EYE CARE
Project Location: 15 LOWELL ST. PORTLAND, ME
Panel Location: 1ST FLOOR ELECTRICAL ROOM
Node No: **Date:** September 14, 2017

Module	Description	Module Feature	Qty	Standby Current	Alarm Current
FCM2018-U3	Standard Operating Unit		1	0.125	0.125
	Enhanced Operating Unit			0.000	0.000
FCM2019-U3	With LED zones	LED zones			
FCI2016-U1	252 pt Periphery Board		1	0.115	0.115
		SLC load		0.027	0.027
		NAC load	2		1.455
		Aux power load			
		Bell Follower	No	0.000	0.000
FCI2017-U1	504 pt Periphery Board			0.000	0.000
		SLC load			
		NAC load			
		Aux power load			
		Bell Follower	No	0.000	0.000
FCI2011-U1	NAC expander	Yes	1	0.015	0.015
		NAC load			0.618
XCI2001-U1	Releasing module	No	0	0.000	0.000
		Releasing load			
FCI2020-U1	City Tie/Leased Line module	Not Installed		0.000	0.000
FN2001-A1	SafeDLink Network module			0.000	0.000
FCA2016-U1	RS-485 module		1	0.055	0.055
FN2006-U1	Single-mode fiber module			0.000	0.000
FN2007-U1	Multi-mode fiber module			0.000	0.000
FT2014-xx	Remote annunciator - display			0.000	0.000
FT2015-xx	Remote annunciator - control		1	0.034	0.055
FTI2001-A1	Network terminal board			0.000	0.000
FCM2023-U3	LED expansion module			0.000	0.000
		LED zones		0.000	0.000
FCA2015-U1	DACT		1	0.025	0.025
FCA2018-U1	Remote printer module			0.000	0.000

Voice Modules & CV-Web

VCA2002-A1	Card Cage		0	0.000	0.000
VCC2001-A1	Voice Control Card		0	0.000	0.000
VCC2002-A1	Voice Control - Input/Output Card		0	0.000	0.000
VCI2001-U1	Amplifier Card - Amp #1	Not Installed	0	0.000	0.000
	Amplifier Card - Amp #2	Not Installed	0	0.000	0.000
	Amplifier Card - Amp #3	Not Installed	0	0.000	0.000
	Amplifier Card - Amp #4	Not Installed	0	0.000	0.000
VTO2004-U3	Microphone			0.000	0.000
VTO2001-U3	Switch Module			0.000	0.000
		Switch Zones		0.000	0.000
FCA2031-A1	MoNet Module			0.000	0.000
FN2012-A1	Ethernet Switch			0.000	0.000
VCI2003-A1	VoIP Module			0.000	0.000
VN2001-A1	Ethernet Module - CAT5 #1	Not Used	0	0.000	0.000
	Ethernet Module - CAT5 #2	Not Used	0	0.000	0.000
VN2002-A1	Ethernet Module - Multi Mode #1	Not Used	0	0.000	0.000
	Ethernet Module - Multi Mode #2	Not Used	0	0.000	0.000
VN2003-A1	Ethernet Module - Single Mode #1	Not Used	0	0.000	0.000
	Ethernet Module - Single Mode #2	Not Used	0	0.000	0.000

Devices	Description	Qty	Standby	Alarm
HFP-11 / 8713	Photo-thermal detector		0.00000	0.00000
HFPO-11 / 8710	Photo detector		0.00000	0.00000
HFPT-11 / 8712	Thermal detector		0.00000	0.00000
OOHC941	Dual optical/thermal/CO detector		0.00000	0.00000
OOH941	Dual optical/thermal detector		0.00000	0.00000
OH921	Photo-thermal detector	9	0.00252	0.00252
OP921	Photo detector		0.00000	0.00000
HI921	Thermal detector	1	0.00028	0.00028
FDCIO422	4-input/4-output module		0.00000	0.00000
HMS / 8700-S-D-M	Manual station		0.00000	0.00000
HTRI-S/M / 8701/8702	Single input module	12	0.01680	0.01680
HTRI-D / 8703	Dual input module	1	0.00140	0.00140
HTRI-R / 8704	Single input/single relay module	4	0.00560	0.00560
HZM / 8705	Conventional zone module		0.00000	0.00000
HCP / 8706	Addressable control point		0.00000	0.00000
ILED / 8726	Intelligent LED		0.00000	0.00000
ABHW-4B (low dBa)	Loop-powered audible base - low		0.00000	0.00000
ABHW-4B (high dBa)	Loop-powered audible base - high		0.00000	0.00000
Total		27	0.027	0.027

System OK

Total Current		0.396	2.490	**Use 170W power supply**
Standby Time (hrs)	24	9.49		
Alarm Time (min)	5		0.21	
AH required (no reserve)			9.70	
Battery Reserve	125%			
AH Required (with reserve)			12.13	**System OK**
Battery Size Provided	18	AH		