Approved for Historic Preservation
Certificate of Appropriateness
Date: 06/23/14

:4 Battery Calc Sheet

	Enter value
	Select choice
	Fixed
	Calculated

Ref. No.
Submitted By: CRM
Project Name: 31 Exchange & 46 Market St
Project Location: Portland, ME
Panel Location: 2nd Floor Exchange St
Node No: **Date:** 5/8/2014

Module	Description	Module Feature	Qty	Standby Current	Alarm Current
FCM2018-U3	Standard Operating Unit		1	0.125	0.125
FCM2019-U3	Enhanced Operating Unit With LED zones			0.000	0.000
		LED zones			
FCI2016-U1	252 pt Periphery Board		1	0.115	0.115
		SLC load		0.025	0.025
		NAC load	2		1.511
		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		0.000	0.000
		Bell Follower	No	0.000	0.000
FCI2011-U1	NAC expander	Yes	1	0.025	0.025
		NAC load	2		1.687
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		2	0.068	0.068
FT2015-xx	Remote annunciator - control			0.000	0.000
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

Devices	Description	Qty	Stdby/Alm			
HFP-11 / 8713	Photo-thermal detector		0.00000	1.4 mA per device		
HFPO-11 / 8710	Photo detector		0.00000	1.4 mA per device		
HFPT-11 / 8712	Thermal detector		0.00000	1.4 mA per device		
OOHC941	Dual optical/thermal/CO detector		0.00000	0.75 mA per device		
OOH941	Dual optical/thermal detector		0.00000	0.68 mA per device		
OH921	Photo-thermal detector	9	0.00252	0.28 mA per device		
OP921	Photo detector		0.00000	0.28 mA per device		
HI921	Thermal detector		0.00000	0.28 mA per device		
FDCIO422	4-input/4-output module	1	0.00100	1.0 mA per device		
HMS / 8700-S-D-M	Manual station	13	0.01820	1.4 mA per device		
HTRI-S / 8702	Single input module	1	0.00140	1.4 mA per device		
HTRI-D / 8703	Dual input module	1	0.00140	1.4 mA per device		
HTRI-R / 8704	Singl input/single relay module		0.00000	1.4 mA per device		
HZM / 8705	Conventional zone module		0.00000	1.4 mA per device		
HCP / 8706	Addressable control point		0.00000	1.4 mA per device		
ILED / 8726	Intelligent LED		0.00000	1.4 mA per device		
Total		25	0.025	(included above)		System OK
Total Current				0.438	3.636	**Use 170W power supply**
Standby Time (hrs)			24	10.50		
Alarm Time (min)			5		0.30	
AH required (no reserve)					10.80	
Battery Reserve			125%			
AH Required (with reserve)					13.50	**System OK**
Battery Size Provided		18	AH			