iO500 Addressable Fire Alarm System
IRIS Network
Portland, ME

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Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/13/15

BATTERY STANDBY CALCULATIONS - Fire Alarm Control Panel

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm	
1	iO500	Base Panel	0.172000 *	0.267000 *	0.172000	0.267000	Amp
1	SA-232	Serial Communications Card	0.013000	0.020000	0.013000	0.020000	Amp
1	SA-DACT	Digital Communicator	0.041000	0.410000	0.041000	0.410000	Amp
1	RLCD/C	Remote Annunciator	0.099000	0.115000	0.099000	0.115000	Amp
14	G1RF-VM	Strobe only Unit (15/75 candela)	0.000000	0.123000	0.000000	1.722000	Amp
7	G1RF-HDVM	Horn/Strobe Unit (15 candela)	0.000000	0.088000	0.000000	0.616000	Amp
1	G1RF-HDVM	Horn/Strobe Unit (30 candela)	0.000000	0.109000	0.000000	0.109000	Amp
7	G1RF-HDVM	Horn/Strobe Unit (30 candela)	0.000000	0.193000	0.000000	1.351000	Amp
5	G1RF-VM	Strobe Unit (15 candela)	0.000000	0.071000	0.000000	0.355000	Amp
1	495S-1280R	Exterior Strobe Beacon	0.000000	0.350000	0.000000	0.350000	Amp
				Total	**0.325**	**5.315**	Amp

Total Quiescent x Time Required (24 Hours):	**7.8**	Ah
Total Alarm x Time Required (5 Minutes):	**0.4429167**	Ah
Total Battery Required:	**8.2429167**	**Ah**
Total Battery Required (+) 20% Spare Capacity:	**9.8915**	**Ah**
Battery Supplied:	**18**	**Ah**

* Includes (2) Fully loaded SLC loops (250 devices)
Actual load = 36 devices (85.6% spare capacity)