EST Addressable Fire Alarm System
UNE - Ludcke Auditorium
Portland, Maine

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Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/30/13

BATTERY STANDBY CALCULATIONS - Fire Alarm Control Panel

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm	
1	iO64R	Base Panel	0.155000	0.204000	0.155000	0.204000	Amp
1	SA-232	RS-232 Communications Card	0.013000	0.013000	0.013000	0.013000	Amp
8	SIGA-278	Addressable Manual Pull Station	0.000250	0.000400	0.002000	0.003200	Amp
16	SIGA2-PS	Addressable Smoke Detector	0.000045	0.018000	0.000720	0.288000	Amp
5	SIGA2-HFS	Addressable Heat Detector	0.000045	0.018000	0.000225	0.090000	Amp
2	SIGA-CR/MCR	Addressable Control Module	0.000100	0.000100	0.000200	0.000200	Amp
1	EC-50CR	Beam Detector	0.004000	0.014000	0.004000	0.014000	Amp
5	G4RF-S7VM	Speaker/Strobe Unit (15 Candela)	0.000000	0.088000	0.000000	0.440000	Amp
5	G4RF-S7VM	Speaker/Strobe Unit (30 Candela)	0.000000	0.193000	0.000000	0.965000	Amp
2	G4RF-S7VM	Speaker/Strobe Unit (110 Candela)	0.000000	0.248000	0.000000	0.496000	Amp
5	G1RF-VM	Strobe Unit (15 Candela)	0.000000	0.071000	0.000000	0.355000	Amp
1	495S1280R	Exterior Beacon	0.000000	0.350000	0.000000	0.350000	Amp
				Total	**0.175145**	**3.2184**	Amp

Total Quiescent x Time Required (60 Hours):	**10.5087**		Ah
Total Alarm x Time Required (15 Minutes):		**0.8046**	Ah
Total Battery Required:		**11.3133**	**Ah**
Total Battery Required (+) 20% Spare Capacity:		**13.57596**	**Ah**
Battery Supplied:		**18**	**Ah**