EST3 Addressable Fire Alarm System
Coleman Hall
UNE Portland

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 05/04/15

BATTERY STANDBY CALCULATIONS - Fire Command Center

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm	
1	3-CPU3*	Central Processing Unit	0.155000 *	0.165000 *	0.155000	0.165000	Amp
1	3-RS485A	Network Communications Card, Class A	0.098000	0.098000	0.098000	0.098000	Amp
1	3-LCD	Liquid Crystal Display	0.040000	0.042000	0.040000	0.042000	Amp
1	3-MODCOM	Digital Communicator	0.060000	0.095000	0.060000	0.095000	Amp
1	3-12/S1RY	Switch / Dual LED Module	0.002000	0.001500	0.002000	0.001500	Amp
1	495S-1280R	Exterior Beacon	0.000000	0.035000	0.000000	0.035000	Amp
1	3-SSDC1**	Addressable Single Loop Line Card (Fully Loaded)	0.144000 **	0.204000 **	0.144000	0.204000	Amp
				Total	**0.499**	**0.6405**	Amp

Total Quiescent x Time Required (24 Hours):	**11.976**	Ah
Total Alarm x Time Required (5 Minutes):	**0.053375**	Ah
Total Battery Required:	**12.029375**	**Ah**
Total Battery Required (+) 20% Spare Capacity:	**14.43525**	**Ah**
Battery Supplied:	**18**	**Ah**

* Includes power supply monitoring module.
** Fully loaded w/ 250 devices