

**Gamewell-FCI Addressable Fire Alarm System  
 Casco Bay Ferry Terminal  
 Portland, Maine**

**BATTERY STANDBY CALCULATIONS**

QTY	Model #	Description	Quiescent Current	Alarm Current	Total Quiescent	Total Alarm
1	PS-9	Power Supply	0.000000	0.050000	0.000000	0.050000 Amp
1	ILI-MB-E3	Main Board - Intelligent Loop Controller	0.081000	0.150000	0.081000	0.150000 Amp
1	LCD-E3	LCD Keypad Display	0.024000	0.028000	0.024000	0.028000 Amp
1	ASM-16	Switch / LED Module	0.011000	0.011000	0.011000	0.011000 Amp
1	AM-50	50 Watt Amplifier	0.086000	2.206000	0.086000	2.206000 Amp
1	INI-VGX	Voice Gateway	0.150000	0.150000	0.150000	0.150000 Amp
1	DACT-E3	Digital Dialer	0.018000	0.018000	0.018000	0.018000 Amp
12	MS7AF	Addressable Manual Station	0.000800	0.001500	0.009600	0.018000 Amp
21	ASD-PL2F	Addressable Smoke Detector	0.000340	0.043000	0.007140	0.903000 Amp
1	DNR	Addressable Duct Smoke Detector	0.000250	0.004000	0.000250	0.004000 Amp
4	AMM-4F	Addressable Relay Control Module	0.000800	0.001500	0.003200	0.006000 Amp
4	AOM-2RF	Addressable Monitor Module	0.000800	0.001500	0.003200	0.006000 Amp
<b>Total</b>					<b>0.39339</b>	<b>3.55 Amp</b>

Total Quiescent x Time Required (60 Hours): **23.6034** Ah  
 Total Alarm x Time Required (15 Minutes): **0.8875** Ah  
**Total Battery Required: 24.4909 Ah**  
**Total Battery Required (+) 15% Spare Capacity: 28.164535 Ah**  
**Battery Supplied: 35 Ah**