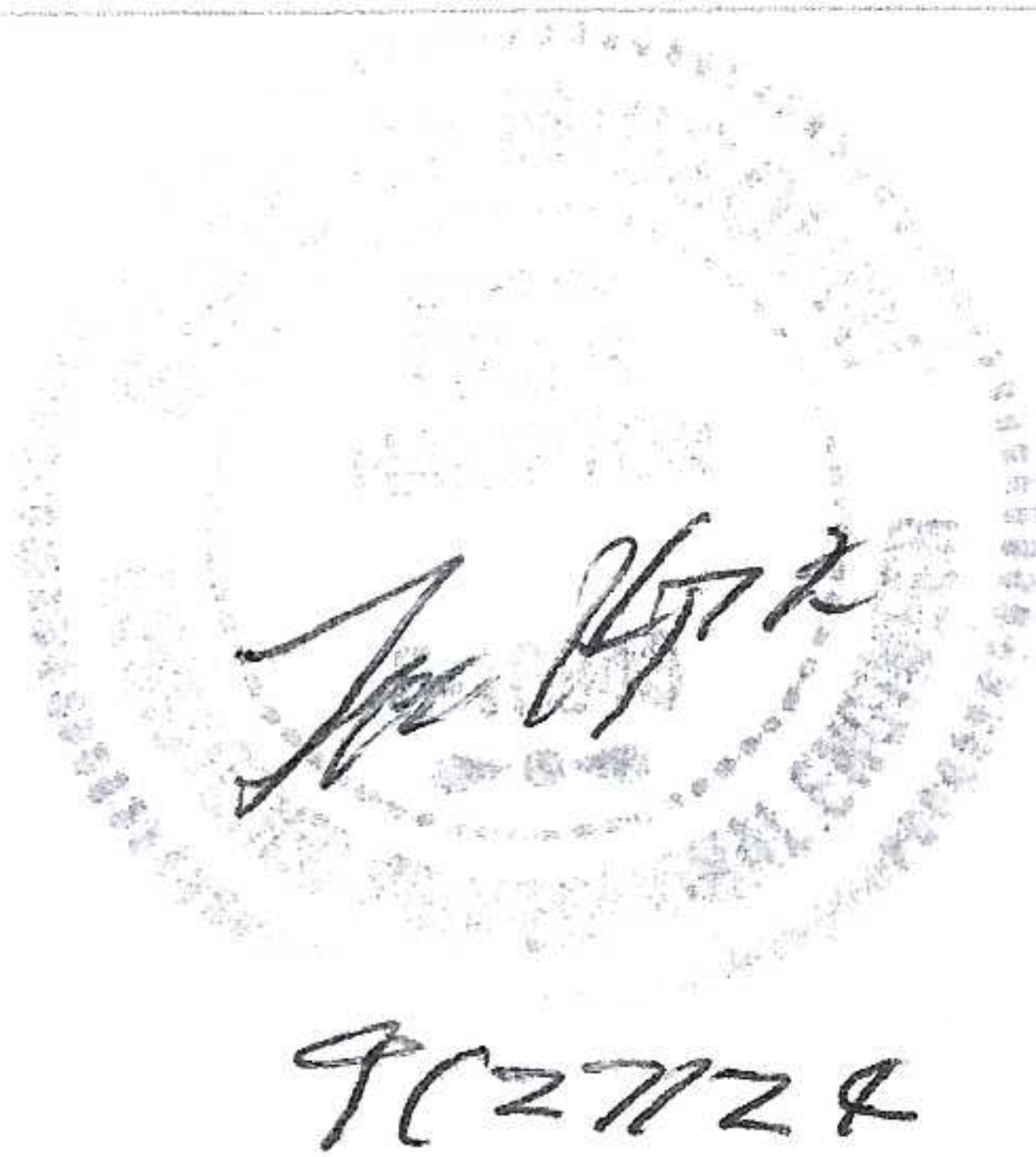


MagicNoodle2 - Battery Calculation Report

PANEL INFORMATION

Panel Type	HPF-PS6
No. of Loops	0
No. of Devices	
Status	✓ PASS



BATTERY & CHARGER REQUIREMENT

Normal Operation	24 Hours	BAT-1250	5Ah	4.242Ah	Suggested Batt. Box
In Alarm	5 Mins	Suggested Battery	Suggested Capacity	Required Capacity	
Standby/Quiescent Load			Alarm Load		
Standby Load Current	x	Panel in Normal Operation (In hours)	In Alarm Load Current(In Amps) x	Panel In Alarm(In Hours)	
0.139		24 = 3.336 Ah	0.693	0.083(5mins) = 0.058Ah	
					Total Current Load = 3.394Ah
					Multiply with derating factor = x1.25
					Adding with spare capacity = N/A
					Total AH required = 4.242 Ah

Overall Battery Usage

Max.Battery Capacity :	120	4.24 Ah Consumed	3.5%
			0% 100%

PANEL COMPONENTS & CIRCUITS

No. of Panel Components & Circuits	2	693 mA Consumed	0.6%
			0% 100%

Device Name	Quantity	Quiescent/Stand By (mA)	Alarms (mA)
MAIN CIRCUIT BOARD WITH 4.7K EOLR INSTALLED	1	139	157

NAC CIRCUITS

NAC Name	Quiescent/Stand By (mA)	Alarms (mA)
NAC Circuit 1	0	536
NAC Circuit 2	0	0
NAC Circuit 3	0	0
NAC Circuit 4	0	0
NAC Circuit 5	0	0

BATTERY SHARING

Battery Sharing	Quiescent/Stand By (mA)	Alarms (mA)
Battery Sharing 1	0	0
Battery Sharing 2	0	0
Battery Sharing 3	0	0

MagicNoodle2 - Voltage Drop Calculation Report

POWER SOURCE

Power Source	HPF-PS6 CLASS B	Brand	Gamewell-FCI	Model Number	HPF-PS6 CLASS B	Normal System Voltage	20.4 VOLTS
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CIRCUIT 1 - POINT TO POINT

NAC Circuit1		CLASS B		14 AWG		11 Devices		0.536 AMPS USED		9/22/24 0.29 VOLTAGE DROP	
#	Device Model	Candela	Pattern	Volume	Tone	CURRENT (AMPS)		Dist from prev device (feet)		Volts	
1	SCRLED	15				0.018		4		20.39	
2	SCRLED	15				0.018		14		20.34	
3	PC2RLED	15	Temporal	High	Electromechanical	0.035		8		20.31	
4	SCRLED	15				0.018		19		20.26	
5	PC2RLED	15	Temporal	High	Electromechanical	0.035		13		20.22	
6	PC2RK	15	Temporal	High	Electromechanical	0.079		8		20.2	
7	PC2RK	15	Temporal	High	Electromechanical	0.079		8		20.18	
8	PC2RLED	15	Temporal	High	Electromechanical	0.035		15		20.16	
9	PC2RLED	95	Temporal	High	Electromechanical	0.092		12		20.14	
10	PC2RLED	15	Temporal	High	Electromechanical	0.035		33		20.12	
11	PC2RLED	95	Temporal	High	Electromechanical	0.092		15		20.11	

CIRCUIT 2 - POINT TO POINT

NAC Circuit2		CLASS B		14 AWG		0 Devices		0 AMPS USED		0 VOLTAGE DROP	
#	Device Model	Candela	Pattern	Volume	Tone	CURRENT (AMPS)		Dist from prev device (feet)		Volts	

CIRCUIT 3 - POINT TO POINT

NAC Circuit3		CLASS B		14 AWG		0 Devices		0 AMPS USED		0 VOLTAGE DROP	
#	Device Model	Candela	Pattern	Volume	Tone	CURRENT (AMPS)		Dist from prev device (feet)		Volts	

CIRCUIT 4 - POINT TO POINT

NAC Circuit4		CLASS B		14 AWG		0 Devices		0 AMPS USED		0 VOLTAGE DROP	
#	Device Model	Candela	Pattern	Volume	Tone	CURRENT (AMPS)		Dist from prev device (feet)		Volts	

CIRCUIT 5 - POINT TO POINT

NAC Circuit5		CLASS B		14 AWG		0 Devices		0 AMPS USED		0 VOLTAGE DROP	
#	Device Model	Candela	Pattern	Volume	Tone	CURRENT (AMPS)		Dist from prev device (feet)		Volts	