

Global Project Values:

Project Name:	Three Peas in A Pod	Standby Hours:	24
Project ID:	Siddell	Alarm Mins:	5
Prepared By:	William Barnes	Derating Factor:	1.2
Date:	2/26/2026	Voltage Drop Warning Threshold %:	10

Panel ID:	6808	Model:	SK-6808 Fire Alarm Control Panel	Max NAC Current:	3.0 Amps
Location:	Front Office Hall	Volts:	24 VDC	Max Panel Current:	6.0 Amps

Part.#	Description	Qty	Current Standby	Draw Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
SK-6808	Fire Alarm Control Unit	1	0.190	0.250						
SK-Photo, Photo-T,PhotoR	Smoke detector	21	0.0063	0.0063						
SK-Fire-CO	Fire-CO detector		0.0000	0.0000						
SK-Heat, Heat-HT, ROR	Heat detector	2	0.0006	0.0006						
SK-Beam, Beam-T	Beam detector		0.0000	0.0000						
DNR	Duct housing		0.0000	0.0000						
SK Acclimate	SK Acclimate		0.0000	0.0000						
SK-Photo W	Photo W		0.0000	0.0000						
SK-Photo-R-W	Photo-R-W		0.0000	0.0000						
SK-Photo-T-W	Photo-T-W		0.0000	0.0000						
SK-Heat-W	Heat-W		0.0000	0.0000						
SK-Heat-ROR-W	Heat-ROR-W		0.0000	0.0000						
SK-Heat-HT-W	Heat-HT-W		0.0000	0.0000						
SK-Control	Control		0.0000	0.0000						
SK-Control-6	Control-6		0.0000	0.0000						
SK-Monitor, Minimon	Monitor, Minimon	4	0.0015	0.0015						
SK-Monitor-2	Monitor-2	1	0.0008	0.0008						
SK-Monitor-10	Monitor-10		0.0000	0.0000						
SK-Pull-SA, Pull-DA	Pull-SA, Pull-DA		0.0000	0.0000						
SK-Relay	Relay		0.0000	0.0000						
SK-Relay-6	Relay-6		0.0000	0.0000						
SK-RelayMon-2	RelayMon-2		0.0000	0.0000						
SK-Zone	Zone		0.0000	0.0000						
SK-Zone-6	Zone-6		0.0000	0.0000						
SK-Iso (Isolator Module)	Iso (isolator Module)		0.0000	0.0000						
SK-ISO-6	ISO-6		0.0000	0.0000						
B224BI	Isolator Base		0.0000	0.0000						
B200S	Sounder Base		0.0000	0.0000						
B200SR	Sounder Base		0.0000	0.0000						
B200S-LF	Sounder Base LF		0.0000	0.0000						
B200SR-LF	Sounder Base LF		0.0000	0.0000						
B224RB	Relay Base		0.0000	0.0000						
RTS151	Magnetic Remote Test		0.000	0.0000						
RTS151KEY	Key Activated Test		0.000	0.0000						
RA100Z	Remote LED		0.000	0.000						
6815	SLC Expander		0.000	0.000						
RA-2000	LCD Remote Annunc		0.000	0.000						
RA-1000	LCD Remote Annunc		0.000	0.000						
RA-100	LCD Remote Annunc		0.000	0.000						
5824	Serial/Parallel Module		0.000	0.000						
5496	Power Expander		0.000	0.000						
RPS-1000	Power Expander		0.000	0.000						
5865-4	LED Annunciator (4G)		0.000	0.000						
5865-3	LED Annunciator (3G)		0.000	0.000						
5880	LED Driver Module		0.000	0.000						
5883	Relay Module		0.000	0.000						
CELL-MOD	Communicator		0.000	0.000						
SK-NIC	Network Interface Card		0.000	0.000						
SK-FML	Fiber Module		0.000	0.000						
SK-FSL	Fiber Module		0.000	0.000						
WSK-WG1	Wireless Gateway		0.000	0.000						
ECS-NVCM	Voice control		0.000	0.000						
ECS-SW24	Zone Expander		0.000	0.000						
ECS-RPU	Remote Paging Unit		0.000	0.000						
ECS-LOC	Local Operating Console		0.000	0.000						
ECS-INT50W	50 Watt Internal Amp 25 volts		0.000	0.000						
ECS-INT50W	50 Watt Internal Amp 70 volts		0.000	0.000						
ECS-50W	50 Watt Amplifier		0.000	0.000						
ECS-125W	125 Watt Amplifier		0.000	0.000						
ECS-DUAL50W	50/100 Watt Amp		0.000	0.000						
ECS-50WBUB	50 Watt Backup Amplifier		0.000	0.000						
NAC #1	Notification Appl Circuit		0.000	0.767	#16 Solid	4.02	80	0.64	20.40	0.00%
NAC #2	Notification Appl Circuit		0.000	0.776	#16 Solid	4.02	120	0.96	19.65	3.67%
NAC #3	Notification Appl Circuit		0.000	0.355	#16 Solid	4.02	140	1.13	20.00	1.96%
NAC #4	Notification Appl Circuit		0.000	0.000	#16 Solid	4.02		0.00	20.40	0.00%

Total Standby Current (Amps)	0.199	2.157	Total Alarm Current (Amps)	
Standby Time In Hours	24	0.083	Alarm Time In Minutes / 60 (5 Mins)	
Total Standby AH Required	4.780	0.180	Total Alarm AH Required	
Total Combined AH Required				4.96
Multiply By The Derating Factor				1.20
Minimum Battery AmpHours Required				5.95

# Circuit Configuration

Project Information

**Project Name:** Three Peas in A Pod

**Project ID:** Slidell

**Prepared By:** William Barnes

**Date:** 2/26/2026

Ckt. Number: NAC #1		Panel ID: 6808			
Ckt. Name: Notification Appl Circuit		Use: Notification Appl Circuit ▼			
Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
1	System Sensor PC2L Ceiling Horn/Strobe (15 cd)	0.000	0.071	0.000	0.071
6	System Sensor S/SC Strobe (30cd)	0.000	0.094	0.000	0.564
2	System Sensor S/SC Strobe (15cd)	0.000	0.066	0.000	0.132
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				0.000	0.767

Ckt. Number: NAC #2		Panel ID: 6808			
Ckt. Name: Notification Appl Circuit		Use: Notification Appl Circuit ▼			
Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
2	System Sensor P2/PC2 Horn/Strobe (15cd)	0.000	0.091	0.000	0.182
9	System Sensor S/SC Strobe (15cd)	0.000	0.066	0.000	0.594
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				0.000	0.776

Ckt. Number: NAC #3		Panel ID: 6808			
Ckt. Name: Notification Appl Circuit		Use: Notification Appl Circuit ▼			
Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
4	System Sensor S/SC Strobe (15cd)	0.000	0.066	0.000	0.264
1	System Sensor P2/PC2 Horn/Strobe (15cd)	0.000	0.091	0.000	0.091
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				0.000	0.355

# Circuit Configuration

Project Information

**Project Name:** Three Peas in A Pod

**Project ID:** Slidell

**Prepared By:** William Barnes

**Date:** 2/26/2026

Ckt. Number: NAC #4

Panel ID: 6808

Ckt. Name: Notification Appl Circuit

Use: Notification Appl Circuit ▼

Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				0.000	0.000

# General Purpose Design

FR: UL94 V-0 flame retardant case & cover

Model	Nominal Voltage V	Nominal Capacity A.H.	Current @ 20-hr. rate mA	Length		Width		Height		Ht. Over Terminal		Weight		Standard Terminals
				in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	
PS-260	2	6.0	300	1.97	50	1.34	34	3.94	100	4.13	105	0.89	0.40	F1
PS-445	4	4.5	225	1.89	48	2.09	53	3.70	94	3.86	98	1.30	0.59	F2
PS-490	4	9.0	450	4.01	102	1.73	44	3.74	95	4.02	102	2.20	1.00	F2
PS-4100	4	10.0	500	4.01	102	1.97	50	3.70	94	3.85	98	2.50	1.13	F1
PS-605	6	0.5	25	2.24	57	0.55	14	1.97	50	1.97	50	0.20	0.09	WL
PS-610	6	1.1	55	2.00	51	1.65	42	2.00	51	2.20	56	0.44	0.20	F1
PS-612	6	1.4	70	3.82	97	0.94	24	2.00	51	2.20	56	0.66	0.30	F1
PS-621	6	2.0	100	1.69	43	1.46	37	2.99	76	2.99	76	0.75	0.34	F1
PS-628	6	2.9	145	2.60	66	1.30	33	3.86	98	4.06	103	1.30	0.59	F1
PS-630	6	3.5	175	5.28	134	1.34	34	2.35	60	2.56	65	1.37	0.62	F1
PS-632	6	3.5	175	2.60	66	1.30	33	4.65	118	4.80	122	1.65	0.83	F1
PS-640	6	4.5	225	2.76	70	1.86	47	3.94	100	4.25	108	1.60	0.73	F1
PS-650LS & LF	6	5.0	250	2.64	67	2.64	67	3.94	100	4.64	118	1.80	0.82	F1 or SP
PS-665	6	6.5	325	3.86	98	2.20	56	3.78	96	4.02	102	2.70	1.22	FP
PS-670	6	7.0	350	5.95	151	1.34	34	3.70	94	3.94	100	2.42	1.10	F1
PS-682	6	9.0	450	3.86	98	2.20	56	4.65	118	4.72	120	3.20	1.45	F1
PS-6100	6	12.0	600	5.95	151	2.00	51	3.70	94	3.86	98	4.30	1.95	F1 or F2
PS-6120FP	6	13.0	650	4.25	108	2.80	71	5.55	141	5.55	141	4.80	2.18	FP
PS-6200	6	20.0	1000	6.18	157	3.27	83	4.92	125	4.92	125	7.10	3.22	NB1
PS-6360	6	36.0	1800	6.25	159	3.35	85	6.50	165	6.93	176	12.10	5.49	F2 or NB1
PS-62000	6	210.0	10500	12.05	306	6.65	169	8.65	220	8.96	228	63.93	29.00	T8
PS-832	8	3.2	160	5.29	134	1.44	36.5	2.49	63	2.70	69	1.58	0.72	F1
PS-1208	12	0.8	40	3.78	96	0.98	25	2.44	62	n/a	n/a	0.77	0.35	WL
PS-1212	12	1.4	70	3.78	96	1.69	43	2.04	52	2.28	58	1.20	0.54	F1
PS-1220	12	2.5	125	7.00	178	1.38	35	2.36	60	2.56	65	2.10	0.95	F1
PS-1221S	12	2.0	100	5.91	150	0.80	20	3.52	89	n/a	n/a	1.60	0.73	F1/0
PS-1223	12	2.3	115	7.17	182	0.94	24	2.40	61	2.40	61	1.50	0.68	PC
PS-1227	12	2.9	145	3.11	79	2.20	56	3.80	99	4.13	105	2.40	1.09	F1
PS-1228	12	2.8	140	5.24	133	1.30	33	3.82	97	4.09	104	2.60	1.18	F1
PS-1229	12	2.9	145	7.00	178	1.38	35	2.36	60	2.60	66	2.30	1.04	F1
PS-1230	12	3.4	170	5.24	133	2.64	67	2.36	60	2.60	66	2.90	1.32	F1
PS-1238	12	3.8	190	7.68	195	1.85	47	2.91	74	2.99	76	3.50	1.59	F1
PS-1250	12	5.0	250	3.54	90	2.76	70	3.98	101	4.21	107	3.50	1.59	F1 or F2
PS-1270	12	7.0	350	5.95	151	2.56	65	3.70	94	3.86	98	4.80	2.18	F1 or F2
PS-1278HD	12	7.8	390	5.95	151	2.56	65	3.68	93.5	3.80	99	5.51	2.50	F2
PS-1280	12	8.0	400	5.95	151	2.56	65	3.72	94.5	3.80	99	5.60	2.54	F1 or F2
PS-1282L	12	9.0	450	7.72	196	2.20	56	4.65	118	4.65	118	6.90	3.13	F1
PS-1282S	12	9.0	450	3.86	98	4.40	112	4.65	118	4.65	118	6.90	3.13	F1
PS-1290	12	9.0	450	5.95	151	2.56	65	3.70	94	3.86	98	6.00	2.72	F2 or NB1
PS-12100	12	12.0	600	5.95	151	4.00	102	3.70	94	3.86	98	8.14	3.69	F1 or F2
PS-12100H	12	10.5	525	5.94	151	2.56	65	4.40	112	4.67	118	7.23	3.28	F2
PS-12120	12	12.0	600	5.95	151	3.86	98	3.70	94	3.94	100	7.92	3.59	F2 or NB1
PS-12120L	12	12.0	600	8.45	215	2.75	70	5.75	146	5.75	146	9.50	4.32	FP
PS-12140	12	14.0	700	5.95	151	3.86	98	3.70	94	3.94	100	9.00	4.09	F2
PS-12180	12	18.0	900	7.13	181	3.00	76	6.59	167	6.59	167	12.60	5.72	F2,NB2,T12
PS-12180HD-M5	12	18.0	900	7.14	181	3.03	77	6.59	167	6.59	167	13.38	6.07	T12
PS-12200	12	20.0	1000	7.13	181	3.00	76	6.57	167	6.50	165	13.20	6.00	NB1
PS-12200HD-M6	12	21.0	1060	7.14	181	2.99	76	6.56	167	6.56	167	14.00	6.35	T12A
PS-12260	12	26.0	1300	6.56	167	6.97	177	4.92	125	4.92	125	17.00	7.71	F2,NB2,T12
PS-12280	12	28.0	1400	6.50	165	4.92	125	6.97	177	6.97	177	20.10	9.14	NB1
PS-12330	12	33.0	1650	7.72	196	5.14	131	6.22	158	7.00	178	21.40	9.73	NB3
PS-12350	12	35.0	1750	7.72	196	5.14	131	6.22	158	7.00	178	23.40	10.64	NB3 or T6
PS-12400	12	40.0	2000	7.76	197	6.50	165	6.69	170	6.69	170	29.10	13.20	NB4
PS-12550	12	55.0	2750	9.04	230	5.45	138	8.15	207	8.98	228	36.00	16.33	U or T6
PS-12750	12	75.0	3750	10.25	260	6.60	168	8.15	207	8.98	228	50.60	22.95	U or T6
PS-121000	12	100.0	5000	12.00	305	6.60	168	8.15	207	8.98	228	68.00	30.84	U or T6
PS-121100	12	110.0	5500	13.00	330	6.73	171	8.35	212	8.66	220	69.50	31.52	T11
PS-121400FR'	12	140.0	7000	13.50	343	6.73	171	10.80	274	11.15	283	99.00	44.91	T11
PS-122500	12	260.0	13000	20.55	522	10.55	268	8.66	220	8.90	226	161.00	73.00	T11