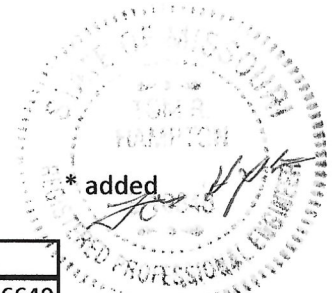


Battery/Power Calculation Form

Project: Summit at West Pryor
 Location: FACP
 Notes: Twisted Fresh Tenant Finish



Standby: 24 Hours (1440) Minutes

Device	Quantity		Current - Amp/Hr.		Total
FACP (S3)	1	X	0.1110	X24	2.6640
Smoke Detector	45	X	0.0003	X24	0.3240
Heat Detector	4	X	0.0003	X24	0.0288
Duct Detector	0	X	0.0003	X24	
CO Detector	1	X	0.0003	X24	0.0072
Pull Station	11	X	0.0003	X24	0.0792
Monitor Module	18	X	0.000375	X24	0.1620
Control Module	28	X	0.000375	X24	0.2520
Remote Annunciator	1	X	0.05	X24	1.2000
110cd Horn/Strobe	1	X	0	X24	
75cd Horn/Strobe	3	X	0	X24	
30cd Horn/Strobe	3	X	0	X24	
15cd Horn/Strobe	12	X	0	X24	
110cd Strobe Only	0	X	0	X24	
75cd Strobe Only	0	X	0	X24	
30cd Strobe Only	1	X	0	X24	
15cd Strobe Only	7	X	0	X24	
Subtotal:					4.7172
Add 30% for battery depletion:					1.4152
Standby Subtotal:					6.1324

* added
 *1 added
 *1 added
 *2 added
 *1 added
 *1 added
 7/17/12

Alarm Mode: 10 Minutes

Device	Quantity		Current - Amp/Hr.		Total
FACP (S3)	1	X	0.2430	÷6	0.0405
Smoke Detector	45	X	0.0065	÷6	0.0488
Heat Detector	4	X	0.0065	÷6	0.0043
Duct Detector	0	X	0.0065	÷6	
CO Detector	1	X	0.0072	÷6	0.0012
Pull Station	11	X	0.003	÷6	0.0055
Monitor Module	18	X	0.0006	÷6	0.0018
Control Module	28	X	0.0065	÷6	0.0303
Remote Annunciator	1	X	0.075	÷6	0.0125
110cd Horn/Strobe	1	X	0.162	÷6	0.0270
75cd Horn/Strobe	3	X	0.121	÷6	0.0605
30cd Horn/Strobe	3	X	0.074	÷6	0.0370
15cd Horn/Strobe	12	X	0.054	÷6	0.1080
110cd Strobe Only	0	X	0.148	÷6	
75cd Strobe Only	0	X	0.107	÷6	
30cd Strobe Only	1	X	0.063	÷6	0.0105
15cd Strobe Only	7	X	0.043	÷6	0.0502
Subtotal:					0.4381
Add 30% for battery depletion:					0.1314
Alarm Mode Subtotal:					0.5695

*1 added
 *1 added
 *2 added
 *1 added
 *1 added

Standby Subtotal: <u>6.1324</u>	Battery Size: <u>12vdc 10AH</u>
Plus Alarm Mode Subtotal: <u>0.5695</u>	Battery Quantity: <u>2</u>
System Current Demand: <u>6.7019</u>	Battery Total: <u>24vdc 10AH</u>

Battery/Power Calculation Form

Project: Twisted Fresh Tenant Finish

Location: NAC



Standby: 24 Hours (1440) Minutes

Device	Quantity		Current - Amp/Hr.		Total
HPF-PS6	1	X	0.1390000	X24	3.3360
A/V 95cd	1	X	0	X24	
A/V 75cd	0	X	0	X24	
A/V 30cd	1	X	0	X24	
A/V 15cd	3	X	0	X24	
Strobe only 15cd	2	X	0	X24	
.	0	X	0	X24	
.	0	X	0	X24	
.	0	X	0	X24	
.	0	X	0	X24	
.		X		X24	
Subtotal:					3.3360
Add 30% for battery depletion:					1.0008
Standby Subtotal:					4.3368

7/18/12

Alarm Mode: 10 Minutes

Device	Quantity		Current - Amp/Hr.		Total
HPF-PS6	1	X	0.1570	÷6	0.0262
A/V 95cd	1	X	0.165	÷6	0.0275
A/V 75cd	0	X	0.143	÷6	
A/V 30cd	1	X	0.09	÷6	0.0150
A/V 15cd	3	X	0.071	÷6	0.0355
Strobe only 15cd	2	X	0.041	÷6	0.0137
.	0	X		÷6	
.	0	X		÷6	
.	0	X		÷6	
.	0	X		÷6	
.	0	X		÷6	
Subtotal:					0.1178
Add 30% for battery depletion:					0.0354
Alarm Mode Subtotal:					0.1532

Standby Subtotal:	<u>4.3368</u>	Battery Size:	<u>12vdc 7AH</u>
Plus Alarm Mode Subtotal:	<u>0.1532</u>	Battery Quantity:	<u>2</u>
System Current Demand:	<u>4.4900</u>	Battery Total:	<u>24vdc 7AH</u>