



PLAN NORTH
FOURTH FLOOR FIRE ALARM PLAN
 SCALE: 1/8"=1'-0"

4/10/2013

FPS1 Battery Calculation

PROJECT NAME: 111 COMMERCIAL STREET
 Required Standby Time: 24 Hours
 Required Alarm Time: 5 Minutes

Regulated Load in Standby				
Device Type	Number of Devices	Current (Amps)	Total Current (Amps)	
FCPS-24FS6 Main Circuit Board	1	X 0.06500	=	0.06500
TOTAL STANDBY LOAD				
0.06500				
Regulated Load in ALARM				
Device Type	Number of Devices	Current (Amps)	Total Current (Amps)	
FCPS-24FS6 Main Circuit Board	1	X 0.14500	=	0.14500
FPS1-1	1	X 0.70400	=	0.70400
FPS1-2	1	X 0.80000	=	0.80000
FPS1-3	1	X 0.99600	=	0.99600
FPS1-4	1	X 0.93000	=	0.93000
TOTAL ALARM LOAD				
3.57500				
Battery Requirements				
Standby Load	0.06500	X	Required Standby Time in Hours	24.00000
Current (Amps)	= 1.56000			
Alarm Load	3.57500	X	Required Alarm Time in Hours	0.08333
Current (Amps)	= 0.29792			
Total Ampere Hours (before derating factor)	1.85792			
Derating Factor	X 1.2			
TOTAL AMPERE HOURS REQUIRED				
= 2.22950				
BATTERIES TO BE PROVIDED (2 - 12v)				
7 AH				

4/10/2013

FPS2 Battery Calculation

PROJECT NAME: 111 COMMERCIAL STREET
 Required Standby Time: 24 Hours
 Required Alarm Time: 5 Minutes

Regulated Load in Standby				
Device Type	Number of Devices	Current (Amps)	Total Current (Amps)	
FCPS-24FS6 Main Circuit Board	1	X 0.06500	=	0.06500
TOTAL STANDBY LOAD				
0.06500				
Regulated Load in ALARM				
Device Type	Number of Devices	Current (Amps)	Total Current (Amps)	
FCPS-24FS6 Main Circuit Board	1	X 0.14500	=	0.14500
FPS2-1	1	X 1.10000	=	1.10000
FPS2-2	1	X 0.98300	=	0.98300
FPS2-3	1	X 0.60400	=	0.60400
TOTAL ALARM LOAD				
2.83200				
Battery Requirements				
Standby Load	0.06500	X	Required Standby Time in Hours	24.00000
Current (Amps)	= 1.56000			
Alarm Load	2.83200	X	Required Alarm Time in Hours	0.08333
Current (Amps)	= 0.23600			
Total Ampere Hours (before derating factor)	1.79600			
Derating Factor	X 1.2			
TOTAL AMPERE HOURS REQUIRED				
= 2.15520				
BATTERIES TO BE PROVIDED (2 - 12v)				
7 AH				

CUNNINGHAM
Security Systems

BLANCHARD BLOCK LLC
111 COMMERCIAL STREET
PORTLAND, MAINE 04101
FOURTH FLOOR FIRE ALARM PLAN

REVISION	DESCRIPTION	DATE
0	ISSUED FOR REVIEW & APPROVAL	4/11/2013

DRAWN	JPB UNICAD JOB #13155
CHECKED	WAYNE B. HAWS NICET N 90496
DATE	4/8/2013
REVISION	0
SCALE	1/4"=1'-0"

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FA-6