



**SHEET NOTES:**

- ◇ ADDRESSABLE MINI MONITOR MODULE PROVIDED TO MONITOR CARBON MONOXIDE DETECTOR. INSTALLING CONTRACTOR SHALL FIELD VERIFY EXACT MOUNTING, CIRCUITING AND PROGRAMMING REQUIREMENTS. FIELD VERIFY EXACT QUANTITY AND LOCATION(S).
- ◇ ADDRESSABLE MINI MONITOR MODULE PROVIDED TO MONITOR AES ANTENNA CUT. INSTALLING CONTRACTOR SHALL FIELD VERIFY EXACT MOUNTING, CIRCUITING AND PROGRAMMING REQUIREMENTS. FIELD VERIFY EXACT LOCATION.

**MAIN FLOOR FIRE ALARM PLAN**  
 SCALE: 1/8"=1'-0"  
 FIELD VERIFY DIMENSIONS

RESERVED FOR CITY STAMP

**FCP Battery Calculation**

PROJECT NAME: CREIGHTON & SONS  
 Required Standby Time: 24 Hours  
 Required Alarm Time: 5 Minutes

Device Type	Number of Devices	Current (Amps)	Total Current (Amps)
MS-9200JUS Main Circuit Board	1	0.1500	0.1500
ANN-80 Remote Annunciator	14	0.00030	0.00420
SD355 Smoke Detectors	34	0.00030	0.01020
H355 Heat Detectors	1	0.00038	0.00075
MMF-300 Monitor Module	2	0.00150	0.00300
WG-121X Pull Station	1	0.02400	0.02400
W-GATE Wireless Gateway (SLC)	1	0.04000	0.04000
CO1224 Carbon Monoxide Detector	2	0.02000	0.04000
<b>TOTAL STANDBY LOAD</b>			<b>0.28105</b>

Device Type	Number of Devices	Current (Amps)	Total Current (Amps)
MS-9200JUS Main Circuit Board	1	0.227500	0.227500
ANN-80 Remote Annunciator	1	0.04000	0.04000
Mox Alarm Draw - All Addressable Devices	1	0.04000	0.04000
W-GATE Wireless Gateway	2	0.04000	0.08000
CO1224 Carbon Monoxide Detector	1	1.04200	1.04200
NAC-1 (See voltage drop calc for device qty)	1	1.17900	1.17900
NAC-2	1	0.60600	0.60600
NAC-3	1	1.13700	1.13700
NAC-4	1	1.13700	1.13700
<b>TOTAL ALARM LOAD</b>			<b>4.79900</b>

Standby Load	Current (Amps)	Required Standby Time in Hours
Standby Load	0.28105	X
Alarm Load	4.79900	X
<b>TOTAL AMPERE HOURS REQUIRED</b>		<b>8,574.4</b>

**BATTERIES TO BE PROVIDED (2 - 12V) = 12 AH**

REVISION	DESCRIPTION	DATE
0	ISSUED FOR REVIEW & APPROVAL	7/20/2015



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**CREIGHTON & SONS FLORIST**  
**123 WASHINGTON AVENUE**  
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**MAIN FLOOR FIRE ALARM PLAN**



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REVISION	SCALE
0	1/8"=1'-0"

DATE	CHECKED	DRAWN
7/20/2015	WAYNE B. HAYS NICET IV 90486	JFB UNIGAD JOB #15474