

FILE PATH: C:\Users\mtrabon\Box\Syn\Greater N.Y. New England Design Team\Pack Folder\147-604471601\_Northfield Green-2018 Replacements\Submittal\FIRE\FA-601.dwg  
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24" x 36" - ACP, D Size

IDNET CHANNEL M1	Address	Device Type	Point Type	ADDRESSES IN USE: 2 (0.8%)   SPARE ADDRESSES: 248 (99.2%)		SWITCH SETTINGS														
				Location Description	Location Description	1	2	3	4	5	6	7	8							
M1-1	IAM	UTILITY	BUILDING 147 - FL1 ELEC 125	1-1	X															
M1-2	NACAPT	SIGNAL	BUILDING 147 - FL1 ELEC 125	1-2	X															
M1-3					X															
M1-4					X	X														
M1-5					X	X														
M1-6					X	X														
M1-7					X	X														
M1-8					X	X														
M1-9					X	X														
M1-10					X	X														
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M1-97					X	X														
M1-98					X	X														
M1-99					X	X														
M1-100					X	X														

NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.  
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.  
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.  
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

POWER SUPPLY SUMMARY			Powered By	Standby	Alarm
Module	Qty	Description	Est. Source	Current	Current
<b>PANEL COMPONENTS POWERED BY POWER SUPPLY</b>					
4007-9101	1	FIRE ALARM CONTROL PANEL 100 PT ADDRESSABLE - RED		0.1450	0.1900
4007-9801	2	ZONE - RELAY MODULE		0.0830	0.3500
4007-9806	1	SDACT MODULE		0.0300	0.0400
				<b>Components</b>	
				NAC Currents from Voltage Drops	0.0000 5.0040
				MAPNET/IDNet Device Addresses used	2 0.0016 0.0020
				<b>Total</b>	<b>0.3410 5.9340</b>

FACP BUILDING 147 - FL1 ELEC RM 125 4007 FACP				
Module	Qty	Description	Standby Current	Total Standby
<b>Panel Equipment</b>				
4007-9101	1	FIRE ALARM CONTROL PANEL 100 PT ADDRESSABLE - RED	0.1450	0.1450
4007-9801	2	ZONE - RELAY MODULE	0.0830	0.1660
4007-9806	1	SDACT MODULE	0.0300	0.0300
<b>Panel Totals</b>			<b>0.3410</b>	<b>0.3410</b>
<b>IDNet Addressable Devices (SLC)</b>				
4090-9001	1	IDNET SUPERVISED IAM	*	
4090-9201	1	4090 IDNET NAC EXTENDER, 120 VAC	*	
<b>Notification Appliances</b>				
<b>Setting</b>				
4906-9139	3	MIC'D A/V MC NONADDRESS RED WALL	0.0000	0.0000
EXIST-DEV1	3	EXISTING SG NOTIFICATION APPLIANCES	0.0000	1.2500
<b>Peripheral Totals</b>			<b>0.0000</b>	<b>1.2500</b>
<b>Added Current for EPS Conversion of 24 to 29 Volt IDNac Devices</b>			<b>0.0000</b>	<b>0.0000</b>
<b>RUI Totals</b>			<b>0.0000</b>	<b>0.0000</b>
<b>Address Totals</b>			<b>0.0016</b>	<b>0.0020</b>
<b>System Totals*</b>			<b>0.3426</b>	<b>5.9360</b>

Battery Set #1 (Cabinet/Charger #1)				
Module	Qty	Description	Standby Current	Alarm Current
<b>Select ALL Power Supplies on this battery set:</b>				
4007			0.3410	5.9340
<b>Sub Total</b>			<b>0.3410</b>	<b>5.9340</b>
<b>Additional Current Draws:</b>				
MAPNET/IDNet Device Address Communication Current	2		0.000800	0.002000
<b>Sub Total</b>			<b>0.3426</b>	<b>5.9360</b>
<b>Spare addressable point capacity</b>				
0%	0		0.0008	0.0020
<b>Total</b>			<b>0.3426</b>	<b>5.9360</b>
<b>Standby Time = 24 Hrs = 0.3426 = 8.2224 Standby Ah</b>				
<b>Alarm Time = 5 Min = 0.08333 x 5.936 = 0.4927 Alarm Ah</b>				
<b>Additional Spare Battery Capacity = 0%</b>				
<b>Battery Discharge Factor = 20%</b>				
<b>Minimum Battery Required 2081-9288 12AH (2x)</b>				
<b>Battery Supplied 2081-9275 18AH (2x)</b>				
<b>System Totals represent total system current requirements. Those currents may be distributed between multiple battery sets or power supplies as shown above.</b>				

VOLTAGE DROP SUMMARY				
Plan	Description	Load	% Drop	
V1	AUX ROOMS - JTV'S	5061 1.254A	9.06%	
V2	EXISTING VISUALS	5061 1.250A	9.41%	
V3	EXISTING VISUALS	5061 1.250A	9.41%	
V4	EXISTING VISUALS	5061 1.250A	9.41%	
		<b>5.004A</b>		