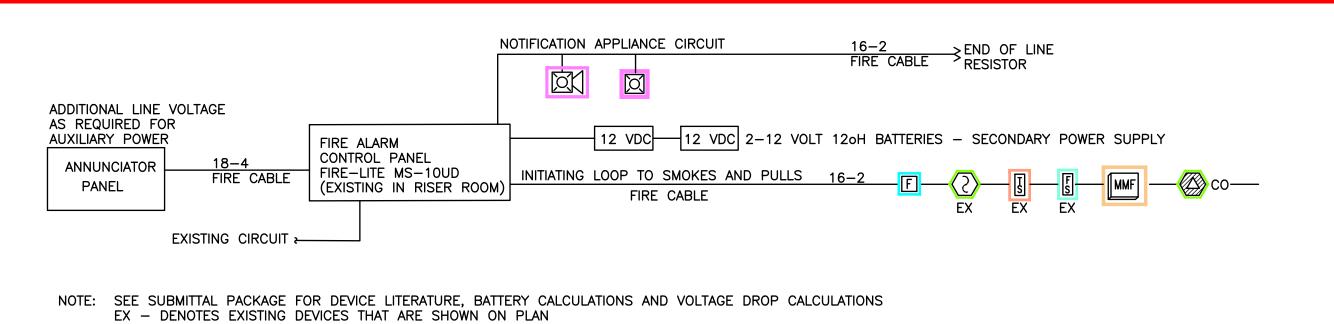
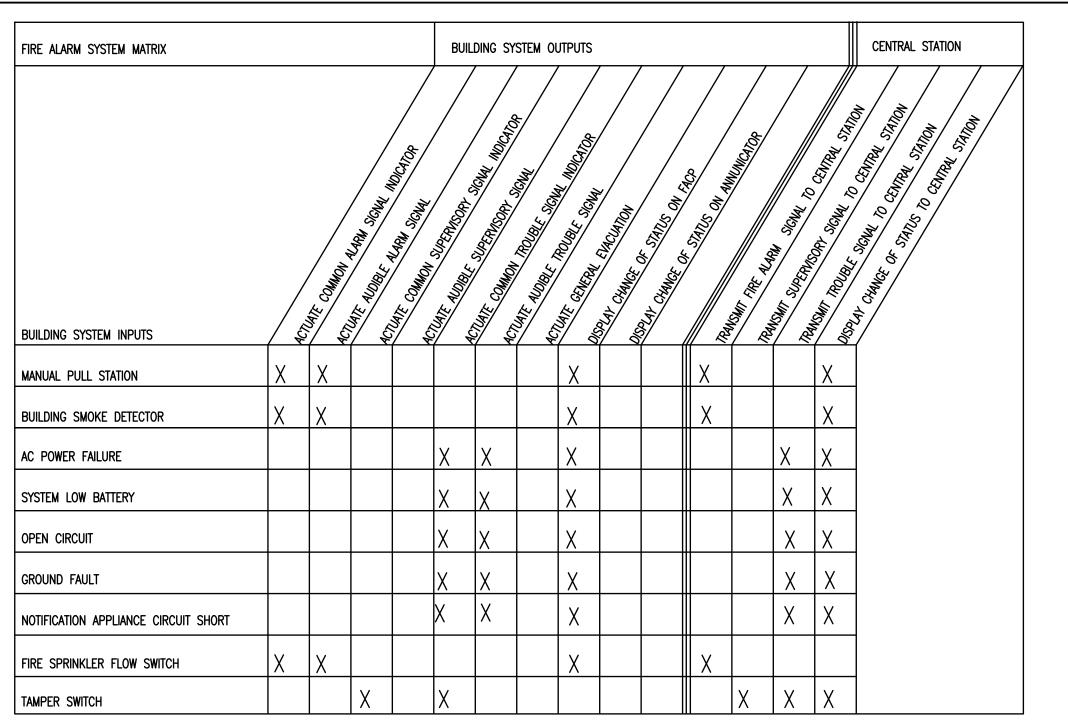


	Calculation in Total Sheet					
		Requ	Required Standby Time in Hours			
	24 Hours					
Standby Load Current	0.13305 Amps	Х	24 =	0007		
		Requ	iired Alarm Time			
		5 Minutes				
Alarm Load Current (Amps)	1.99500 Amps	Х	0.084	0.168 AF		
		Tot	al Current Load	3.361 AF		
	Multiply by the Derating Facto	Multiply by the Derating Factor 1.2		x 1.20		
	Total	Ampere	Hours Required	4.03 AH		
		1	•	•		
	Recommended Batteries:	:	AT-1270 - 7AH E	- 7AH Batteries		
Battery Check						
The batteries can be charged by the MS	-10UD-7 Charger.	-				
The batteries can be housed in the MS-						
Current Draw Check						
NAC#1 current is within the limitations o						
NAC#2 current is within the limitations o						
NAC#3 current is within the limitations o						
NAC#4 current is within the limitations o	f the circuit.					
MS-10UD-7 Control Panel:						
The output current is within the panel's li	mitations					

Secondary Power Source Requirements									
Secondary Non-Alarm Current (amps) Secondary Alarm Current (ar									
Device Type	Qty	T	Current Draw		Total	Qty	Current Draw	Total	
1. System						,			
Main Circuit Board	1	Х	0.133000	[= [0.133000	1	x <mark>0.282000 = </mark>	0.282000	
4XTMF	0	Х	0.005000	1=1		0	x <mark>0.011000 = </mark>		
CAC-5X	0	Х	0.001000	1=1		0	x 0.001000 =		
IPDACT-2	0	х	0.093000	1=1		0	x 0.136000 =		
IPDACT-2UD	0	Х	0.098000	1=1		0	x 0.155000 =		
2. Annunciators									
ANN-80	0	Х	0.015000	[=]		0	x 0.040000 =		
ANN-RLY	0	Х	0.015000	1=1		0	x 0.075000 =		
ANN-I/O	0	х	0.035000	1=1		0	x 0.200000 =		
ANN-I/O LEDs	0	х	0.000000	T≣T		0	x 0.010000 =		
ANN-S/PG	0	х	0.045000	Τ≡Τ		0	x 0.045000 =		
ANN-(R)LED	0	Х	0.028000	T=1		0	x 0.068000 =		
3. Conventional Detection									
Two-Wire Detector Heads	1	Х	0.000050	=	0.000050				
Four-Wire Detector Heads	0	Х	0.000000	=					
Number of IDC's Used Minus 1						0	x 0.040000 =		
4. Other Devices									
EOLR-1	0	х	0.020000	T=1		0	x 0.020000 =		
Miscellaneous Device 1	0	Х	0.000000	=		0	x <mark>0.000000 = </mark>		
Miscellaneous Device 2	0	Х	0.000000	=		0	x <mark>0.000000 = </mark>		
Miscellaneous Device 3	0	Х	0.000000	=		0	x <mark>0.000000 = </mark>		
Miscellaneous Device 4	0	Х	0.000000	=		0	x <mark>0.000000 = </mark>		
Miscellaneous Device 5	0	Х	0.000000	=		0	x 0.000000 =		
5. Notification Appliances									
NAC 1						15	x 0.107000 =	1.605000	
NAC 2						2	x 0.054000 =	0.108000	
NAC 3						0	x 0.000000 =		
NAC 4						0	x 0.000000 =		
Current Draw from TB9 (nonalam)	0	х	0.000000	=		0	x 0.000000 =		

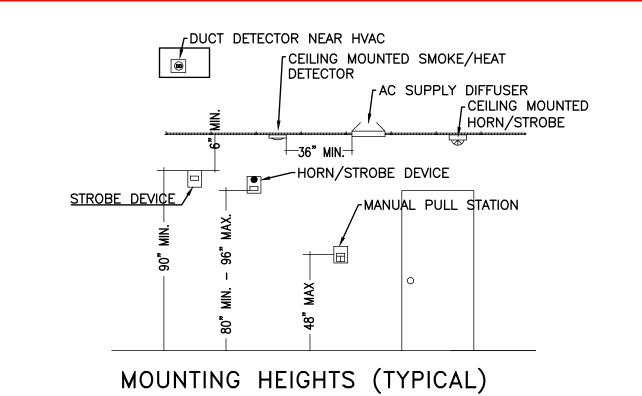




- PROGRAM AS SUPERVISORY UNLESS OTHERWISE REQUIRED BY LOCAL AHJ TO BE A GENERAL ALARM.

GENERAL NOTES:

- 1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW NOTIFICATION DEVICES AND NEW INITIATING DEVICES BUILDING AS REQUIRED BY NFPA 101, LIFE SAFETY CODE AND NFPA 72, THE FIRE ALARM CODE.
- 2. PROVIDE BACK BOXES FOR ALL WALL MOUNTED DEVICES.
- 3. ALL WIRING IS COPPER, WITH RED JACKET.
- 4. DEVICES SHALL BE RED IN COLOR.
- 5. VERIFY LOCATION OF ANNUNCIATOR PANEL WITH FIRE MARSHAL.
- 6. PROVIDE WALL BRACKETS WHERE REQUIRED FOR ADDITIONAL FIRE EXTINGUISHERS.



BUILDING SUMMARY AND SCOPE OF WORK:

THE BUILDING CONSTRUCTION TYPE IS TYPE II-B ACCORDING TO 2018 NORTH CAROLINA BUILDING CODE

PIN: 9585-60-1624.000

TENANT SPACE GROSS SQUARE FEET: 1,625

BUILDING IS PROTECTED BY FIRE SPRINKLERS.

BUILDING USE WILL BE BUSINESS (B), SMALL TAKE OUT RESTAURANT (PIZZA HUT).

THIS DRAWING INCLUDES A BUILDING FLOOR PLAN THAT WAS PREPARED BY OTHERS AND USED WITH PERMISSION BY JENKINS CONSULTING ENGINEERS. THIS DRAWING SHOWS THE LOCATION OF NEW FIRE ALARM EQUIPMENT AND DEVICES.

THE FACILITY IS PROTECTED AND MONITORED BY A SECURITY SYSTEM.

THE SCOPE OF WORK INCLUDES INSTALLATION OF NEW FIRE PULL HANDLES, HORN STROBES, STROBE, CARBON MONOXIDE DETECTOR AND MONITOR MODULE RELAY TO BE LOCATED IN THE TENANT SPACE AND WILL COMMUNICATE WITH THE EXISTING FIRE ALARM SYSTEM BY OTHERS. THE FIRE ALARM WILL BE MONITORED BY A CENTRAL

NEW STROBE LIGHT WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR SRL. NEW HORN STROBES WILL BE INSTALLED AND WILL BE EQUAL TO SYSTEM SENSOR

NEW CARBON MONOXIDE DETECTORS WILL BE INSTALLED IN THE DINING ROOM AND WILL BE EQUAL TO SYSTEM SENSOR CO 1224T.

NEW MONITOR MODULE RELAY WILL BE INSTALLED AND WILL BE EQUAL TO FIRE-LITE MMF-300 AND CONNECTED TO HOOD FIRE SUPPRESSION SYSTEM.

FLOW AND TAMPER SWITCHES FOR SPRINKLER SYSTEM ARE INSTALLED AND EXISTING IN RISER ROOM THAT SERVES THIS AREA.

FIRE ALARM SYMBOL LEGEND <u>SYMBOL</u> <u>DESCRIPTION</u> FIRE ALARM CONTROL PANEL (FIRE-LITE MS-10UD) W/ ANNUNCIATOR FIRE ALARM PULL STATION (HONEYWELL BG-12LX) STROBE UNIT (SYSTEM SENSOR SRL) (cd) CANDELA RATING HORN/STROBE UNIT (SYSTEM SENSOR P2RL) (cd) CANDELA RATING SMOKE DETECTOR (EXISTING IN RISER ROOM OVER FACP) MONITOR MODULE FOR HOOD SUPPRESSION SYSTEM (MMF-300) CARBON MONOXIDE DETECTOR (SYSTEM SENSOR CO 1224T - UL 2075 CERTIFIED) FLOW SWITCH (EXISTING IN RISER ROOM) TAMPER SWITCH (EXISTING IN RISER ROOM) DUPLEX-120V, 20AMP, DEDICATED PANEL TBD (OR DIRECT WIRED TO BREAKER) END OF LINE RESISTOR (EOL) NOTES ALL FIRE ALARM EQUIPMENT TO MEET NFPA 72 THE FIRE ALARM SYSTEM SHOWN HERE DEPICTS A CLASS "B" SYSTEM EXISTING FIRE ALARM CONTROL PANEL IS A FIRE-LITE MS-10UD PROVIDE ADDITIONAL ZONE MODULES AS REQ'D FOR THE ADDITIONAL DEVICES

AN EXISTING FIRE ALARM CONTROL PANEL, FIRE-LITE MS-10UD FIRE ALARM CONTROL PANEL, IS INSTALLED IN THE FIRE RISER ROOM. NEW FIRE PULL HANDLES WILL BE INSTALLED AND WILL BE EQUAL TO HONEYWELL ALARM

FIRE ALARM CONTRACTOR WILL TEST AND INSPECT NEW SYSTEM WITH LOCAL

FA-2

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THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS