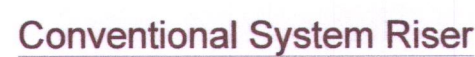


EX - EXISTING TO REMAIN

DEVICES SHOWN ARE NEW DEVICES UNLESS OTHERWISE SPECIFIED

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



Voltage drop Calculations & Current Draws for NACP #1									
AL802ULADA									
		Circuit #1		Circuit #2		Circuit #3		Circuit #4	
Device	Current Draw	Quantity	Total Current	Quantity	Total Current	Quantity	Total Current	Quantity	Total Current
PC2RK (15CD)	0.088	1	0.088		0		0		0
PC2RL (15CD)	0.107	3	0.321		0		0		0
PC2RL (75CD)	0.179	2	0.358		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
			0		0		0		0
Current for Circuit			0.767			0			
Wire Length Ft for Circuit			170						
Max Wire Run Distance For AWG			817						
Actual Voltage Drop For Circuit			0.832						
MAX Volt Drop For Circuit			4.400			4.400		4.400	
Device	Device Standby Current	Device Alarm Current	Quantity	Total Standby Draw	Total Alarm Draw	Max Circuit Amps	Wire Size	Alarm Min	Max Panel Amps
AL802ULADA	0.09	0.175	1	0.09	0.175	3	14	5	6
				0	0				
				0	0				
				0	0				
				0	0				

Standby Hours	24
Alarm Current:	0.942
Battery size Required:	2.686
Batteries Supplied (AH):	7

Device Designation Legend

The diagram illustrates the components of a device designation code. It shows a hierarchy where 'Circuit Designation' and 'Device #' are the primary components, with 'Panel Designation' branching from 'Device #'. A physical device symbol is shown with callouts for its features: 'C' for Ceiling Mount, '115CD' for NAC Device Identification, 'EOL' for Strobe Candelas Rating, 'WP' for End Of Line Resistor, and a triangle for Weather Proof.

Circuit Designation

Panel Designation
(N=NACP)
(F=FACP)

Device #

Device # Breakdown:
 N-01-01
 (N-01-01)

Physical Device Symbol Callouts:
 C: "C"=Ceiling Mount, "W"=Wall Mount
 115CD: NAC Device Identification
 EOL: Strobe Candelas Rating
 WP: End Of Line Resistor
 Triangle: Weather Proof

SPRINKLER SYSTEM
- WATERFLOW SWITCH
- VALVE TAMPER SWITCH
SMOKE DETECTOR
MANUAL PULL STATION
POWER SUPPLY - TROUBLE
COMMUNICATOR - COMMUNICATION FAIL
COMMUNICATOR - TROUBLE
ABNORMAL CONTROL, CIRCUIT OR DEVICE
LOSS OF POWER

	ANNUNCIATES ALARM SIGNAL AT CONTROL PANEL AND REMOTE ANNUNCIATOR	ANNUNCIATES SUPERVISORY SIGNAL AT CONTROL PANEL AND REMOTE ANNUNCIATOR	ANNUNCIATES TROUBLE SIGNAL AT CONTROL PANEL AND REMOTE ANNUNCIATOR	TRANSMITS TROUBLE SIGNAL TO CENTRAL STATION	TRANSMITS ALARM SIGNAL TO CENTRAL STATION	TRANSMITS SUPERVISORY SIGNAL TO CENTRAL STATION	ACTIVATES INTERIOR HORN/STROBES	ACTIVATES EXTERIOR HORN/STROBELL ABOVE EDC	ACTIVATES EXTERIOR HORN/STROBELL
1	●		●			●			
2	●	●				●			
3				●					
4			●						
5			●						
6			●						
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Fire Alarm Device Legend

Symbol	Qty	Description	Manufacturer/Part Number	Mounting Requirements
	01	Fire Alarm Control Panel	AES 706-U7LF	Surface mounted enclosure provided Top 7" AFF conduit to ceiling
	01	Smoke Detector	System Sensor ZW4B	Single Gang, 4" Octagon or Square in the ceiling
	01	Manual Pull Station	FireLife BG-12	Single Gang, 4" Octagon or Square Wall Mounted 48" L of Backbox
	01	Water Flow Switch	Supplied by Sprinkler Contractor	Connection Only
	02	Sprinkler Valve Tamper Switch	Supplied by Sprinkler Contractor	Connection Only
	02	Kitchen Hood / Ansul	Provide By Mechanical Contractor	Connection Only
	03	Horn/Stroke, Ceiling Canvella Indicated	System Sensor PC2RL	Ceiling Mount, Not Higher than 30" AFF 4" Octagon or Square
	03	Horn/Stroke, Ceiling, Weather Proof Canvella Indicated	System Sensor PC2RKN	Ceiling Mount, Not Higher than 30" AFF 4" Weather Proof Back Box
	02	ADA/Stroke Canvella Indicated	System Sensor SC2R	Ceiling Mount, Not Higher than 30" AFF 4" Octagon or Square

Fire Alarm Wire Legend

Wire Designations	Wire Types
— IDC — — IDC — — IDC —	IDC - 18/2 FPLP
— NAC — — NAC — — NAC —	Notification Appliance Circuit - 14/2 FPLP

[illegible]

FIRE ALARM SYSTEM
DEVICE LOCATIONS

**ARCHWAY
SYSTEMS**

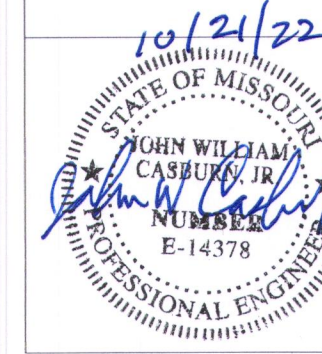
17020 E. 40 Hwy. Ste 1
Independence, MO 64055
Office: (816) 709-3358



8220 Melrose Dr
_enexa, KS 66214
913-362-0000

TOKYO GRILLE

3528 SW Market ST
Lee's Summit, MO 64082

[illegible]

DATE: 10/20/2022

LAYOUT BY:

DANIEL HEBBLETHWAITE, ET
NICET #107102

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

FA-1
of
FA-1