

. • •		
15′	30′	45′

	/ / 1			Project Name:	1x Plastics		Standby Hours:	24
U		ha Cumbal	of Protection	•			Alarm Mins:	
		ne symbol c	of Protection		Cina Alama Calutiana			
			-	: Fire Alarm Solutions : Fire Alarm Solutions		Efficiency Factor:	20%	
			Designed By:					
			Date:	12/12/2024		NAC Source Voltage:	24	
		Model #:	PSN-64			Max	Panel Current (amps):	6
					1	· · · · ·	· unci cui ciit (uiiipo).	
		Panel ID:]	User assumes all resn	onsibility to ensure the qu	antities and currer
		Location:	Break Room				orksheet are accurate prior	
		Panel			Standby (a		Alarm (a	
Qty		#	Description		Each	Total	Each	
1	PSN-64		NAC Power Expander		0.075	0.075	0.075	
					Panel Standby:	0.075	Panel Alarm:	0.0
N	NAC Circuits (See	NAC Conf	iguration below)			Standby (amps)		Alarm (amps
Ckt			Description		Class	Total		Total
1	Notification				Class B	0.00000		0.289
2	Notification				Class B	0.00000		0.358
3					Class B	0.00000		0.000
4					Class B	0.00000		0.000
AUX						0.00000		0.000
					NAC Standby:	0.00000	NAC Alarm:	0.647
	Battery Ca	lculatio	n Summary			Standby (amps)		Alarm (amps
_	Datter, Ca				Panel Current:	0.07500		0.075
					NAC Circuit Current:	0.00000		0.647
								0.647
					Total Standby:			
						0.075000	Total Alarm:	0.722
					Standby Hours:	24	Alarm Mins:	
					Standby Hours: AH Required:	24 1.80	Alarm Mins:	0.
					Standby Hours: AH Required:	24 1.80	Alarm Mins: AH Required:	0. 1.
					Standby Hours: AH Required:	24 1.80 ed Standby & Alarm	Alarm Mins: AH Required: AmpHours Required: Safety Margin:	0. 1. 20
					Standby Hours: AH Required:	24 1.80 ed Standby & Alarm Required	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours:	0. 1. 20 2.:
					Standby Hours: AH Required:	24 1.80 ed Standby & Alarm Required	Alarm Mins: AH Required: AmpHours Required: Safety Margin:	0.4 1.4 20 2.2
ΝΔΓ	- Circuit Cont	tiauratio	nn & Voltage Dro	n	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required Battery A	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours:	0. 1. 20 2.: 7a
NAC	C Circuit Conf	figuratio	on & Voltage Dro	p	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours:	0. 1. 20 2.:
	-	figuratio	n & Voltage Dro	p	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required Battery A	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours:	0. 1. 20 2.: 7a
<i>NAC</i>	-	figuratio		p it Current (amps):	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours:	0.1 2.2 2.3 72 12/12/2024
NAC	-	tiguratio		it Current (amps):	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided:	0.1 2.2 2.3 72 12/12/2024
NAC	1	figuratio	MAX Circu	it Current (amps):	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided:	0.1 2.2 2.3 72 12/12/2024
NAC	C 1 : Class B Wire Ty	уре	MAX Circu Usage:	it Current (amps): Not Length 1-Way	Standby Hours: AH Required: Total Combine 3 Actual Ohms	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps)	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided:	0.1 2.2 2.3 7a 12/12/2024
NAC	C 1	уре	MAX Circu Usage:	it Current (amps):	Standby Hours: AH Required: Total Combine	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description:	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided:	0.1 2.2 2.3 72 12/12/2024
NAC	C 1 : Class B Wire Ty	ype	MAX Circu Usage: Ohms/1000ft 3.19	it Current (amps): Not Length 1-Way	Standby Hours: AH Required: Total Combine 3 diffication Actual Ohms 0.638	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82	0.1 2.2 2.1 7.2 12/12/2024 24 Min Volts Req
NAC	C 1 : Class B Wire Ty #14 So	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices	Not Length 1-Way	Standby Hours: AH Required: Total Combine 3 tification Actual Ohms 0.638 Standby (a	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a	0.1 2.2 2.3 76 12/12/2024 24 Min Volts Req 16 mps)
NAC Class:	Class B Wire Ty #14 So	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip	Not Not Length 1-Way 100	Standby Hours: AH Required: Total Combine 3 iffication Actual Ohms 0.638 Standby (a	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each	0. 1. 20 2.: 7: 12/12/2024 24 Min Volts Req 16 mps) Total
Qty	C 1 Class B Wire Ty #14 So Lookup	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15	Not Length 1-Way 100	Standby Hours: AH Required: Total Combine 3 iffication Actual Ohms 0.638 Standby (a Each 0.000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total 0.000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000	0.1 2/12/2024 24 Min Volts Req 16 mps) Total 0.0720
Qty 4 1	Class B Wire T, #14 So Lookup User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrig System Sensor SL (15 System Sensor P2L (3	Not Length 1-Way 100 action acd) 00cd)	Standby Hours: AH Required: Total Combine 3 diffication Actual Ohms 0.638 Standby (a Each 0.000000 0.0000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total 0.000000 0.0000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000	0. 1. 20 2.: 73 12/12/2024 24 Min Volts Req 16 mps) Total 0.0720 0.0380
Qty 4 1	C 1 Class B Wire Ty #14 So Lookup User Defined User Defined User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15: System Sensor P2L (3: System Sensor SL (3:)	Not Length 1-Way 100 stion cd) 0cd)	Standby Hours: AH Required: Total Combine 3 iffication Actual Ohms 0.638 Standby (a Each 0.000000 0.0000000 0.0000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 Total 0.000000 0.000000 0.0000000 0.0000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000 0.022000	0.1 20 2.1 27 24 Min Volts Req 16 Total 0.0720 0.0380 0.0220
Qty 4 1 1	Wire Ty #14 So Lookup User Defined User Defined User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15- System Sensor P2L (3- System Sensor SL (35- System Sensor SL (75-	Not Length 1-Way 100 stion cd) 00cd) ccd) ccd)	Standby Hours: AH Required: Total Combine 3 diffication Actual Ohms 0.638 Standby {a Each 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total 0.000000 0.000000 0.000000 0.0000000 0.000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000 0.022000 0.070000	0.1 20 2.2 72 12/12/2024 24 Min Volts Req 16 mps) Total 0.07200 0.03800 0.02200 0.07000
Qty 4 1	C 1 Class B Wire Ty #14 So Lookup User Defined User Defined User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15: System Sensor P2L (3: System Sensor SL (3:)	Not Length 1-Way 100 stion cd) 00cd) ccd) ccd)	Standby Hours: AH Required: Total Combine 3 iffication Actual Ohms 0.638 Standby (a Each 0.000000 0.0000000 0.0000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 Total 0.000000 0.000000 0.0000000 0.0000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000 0.022000	1.: 20 2.2 72 12/12/2024 24 Min Volts Req 16 mps) Total 0.07200 0.03800 0.02200 0.07000 0.07000
Qty 4 1 1	Wire Ty #14 So Lookup User Defined User Defined User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15- System Sensor P2L (3- System Sensor SL (35- System Sensor SL (75-	Not Length 1-Way 100 stion cd) 00cd) ccd) ccd)	Standby Hours: AH Required: Total Combine 3 diffication Actual Ohms 0.638 Standby {a Each 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total 0.000000 0.000000 0.000000 0.0000000 0.000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000 0.022000 0.070000	0.1 20 2.3 72 12/12/2024 24 Min Volts Req 16 mps) Total 0.0720 0.0380 0.0220 0.0700
Qty 4 1 1	Wire Ty #14 So Lookup User Defined User Defined User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15- System Sensor P2L (3- System Sensor SL (35- System Sensor SL (75-	Not Length 1-Way 100 stion cd) 00cd) ccd) ccd)	Standby Hours: AH Required: Total Combine 3 diffication Actual Ohms 0.638 Standby {a Each 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total 0.000000 0.000000 0.000000 0.0000000 0.000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000 0.022000 0.070000	0.1 20 2.2 72 12/12/2024 24 Min Volts Req 16 mps) Total 0.07200 0.03800 0.02200 0.07000
Qty 4 1 1	Wire Ty #14 So Lookup User Defined User Defined User Defined User Defined	ype blid Circ	MAX Circu Usage: Ohms/1000ft 3.19 cuit Devices Descrip System Sensor SL (15- System Sensor P2L (3- System Sensor SL (35- System Sensor SL (75-	Not Length 1-Way 100 stion cd) 00cd) ccd) ccd)	Standby Hours: AH Required: Total Combine 3 diffication Actual Ohms 0.638 Standby {a Each 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000	24 1.80 ed Standby & Alarm Required Battery A 1x Plastics Sourc Description: Max Load (amps) 0.289 amps) Total 0.000000 0.000000 0.000000 0.0000000 0.000000	Alarm Mins: AH Required: AmpHours Required: Safety Margin: Battery AmpHours: mpHours Provided: e Voltage Used (VDC): Volts @ EOL 23.82 Alarm (a Each 0.018000 0.038000 0.022000 0.070000	0. 1. 20 2.: 7: 12/12/2024 24 24 24 24 25 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26

Fire Alarm General Notes

- 1. Wall+ Hall Hall Hounted visual notification devices will be mounted so
- that the entire lens is not less than 80" and not greater than 96" AFF. 2. Wall signal devices⊦☑ ⊦☑(can be mounted on 4"X4"X2" with or without mud ring, 4"X4"X1.5" with or without mud ring, or 1-Gang box or a low voltage ring.
- Ceiling signal devices can be mounted on 4"X4"X2" box or 3-1/2" octagon box. 3. Strobes shall be synchronized by floor and area.
- 4. All horns and horn strobes will be 15dba above ambient noise.
- 5. All wiring shall be ran according to code and if not ran in conduit it will be held high above finished ceiling and properly secured and supported.
- 6. All fire alarm wiring below 7 feet will be in conduit.
- 7. All junction boxes related to fire alarm require a **RED** cover. 8. Open ceiling wiring shall be ran in conduit if support is not available.
- 9. General Alarm will sound when any device is in alarm.

CONSTRUCTION TYPE: II-B

TOTAL SQUARE FOOTAGE: 10,537

Central Station Service-Alarm Central

OCCUPANCY TYPE: S1-B

LEVELS: 1

This system designed and installed according to NFPA 72 2019 - IBC 2018 & IFC 2018 SECTION 907

BUILDING IS 100% SPRINKLED



Date:	12/12/2024				
Job:	1X PLASTIC				
Drawing:	1.0		Sheet	1 of 1	
Scale:	1/8inch = 1foot				

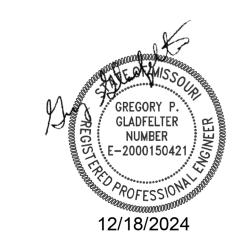
Description:

TENANT FINISH

These drawings are the intellectual property and actual property of Fire Alarm Solutions and or Kennyco Industries, Inc. It is submitted in confidence and is not to be disclosed or used with out our expressed written consent.

GREGORY P. GLADFELTER PE

10233 MILLSTONE DRIVE, #4112 **LENEXA, KS 66220**



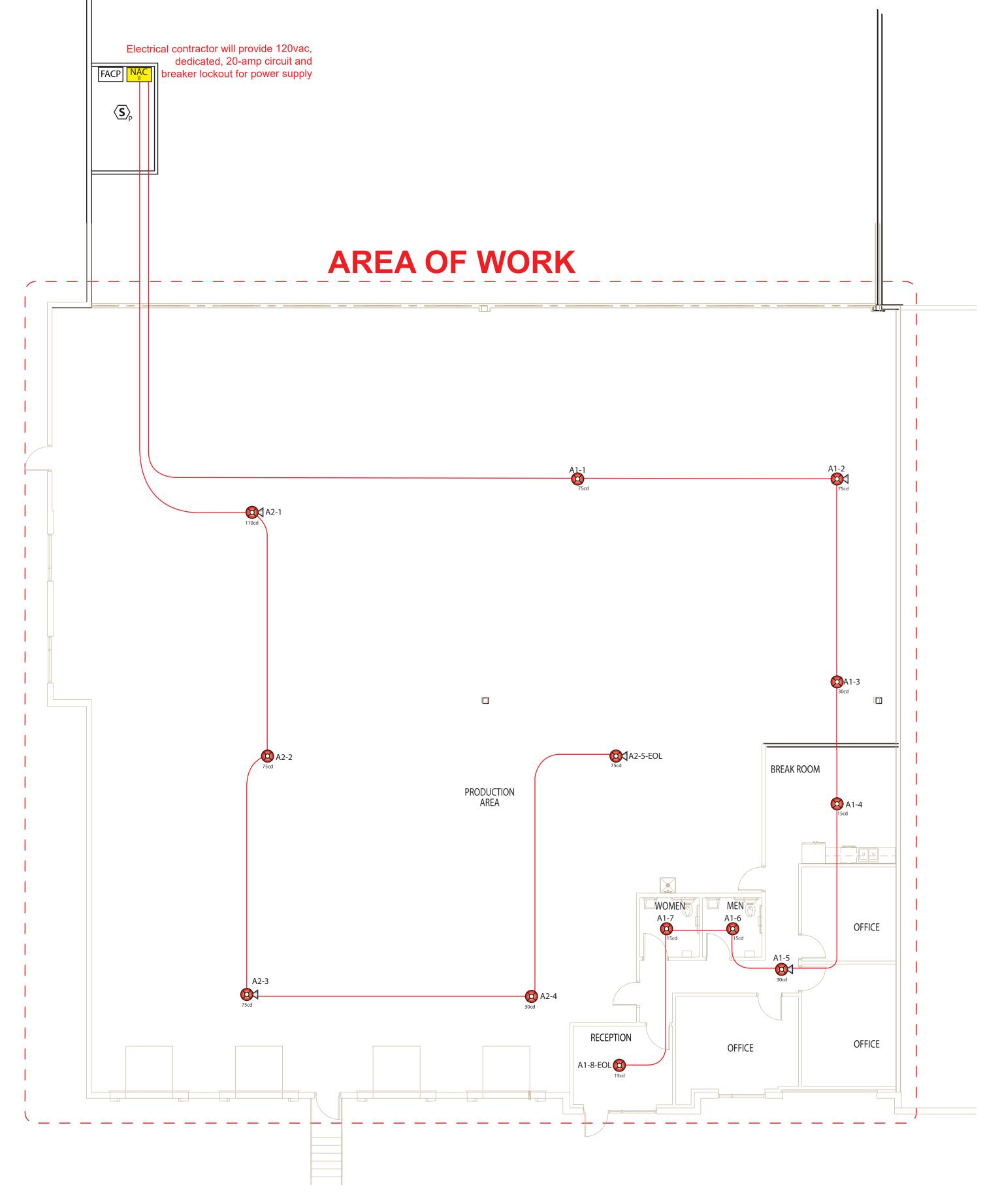
AHJ SEAL

1X PLASTICS

2700 NE McBaine Drive Lee's Summit, Missouri 64064

FIRE ALARM PLAN

FA 1.0



RELEASED FOR CONSTRUCTION As Noted on Plan Review

Lee's Summit Fire Department Lee's Summit, Missouri

01/02/2025