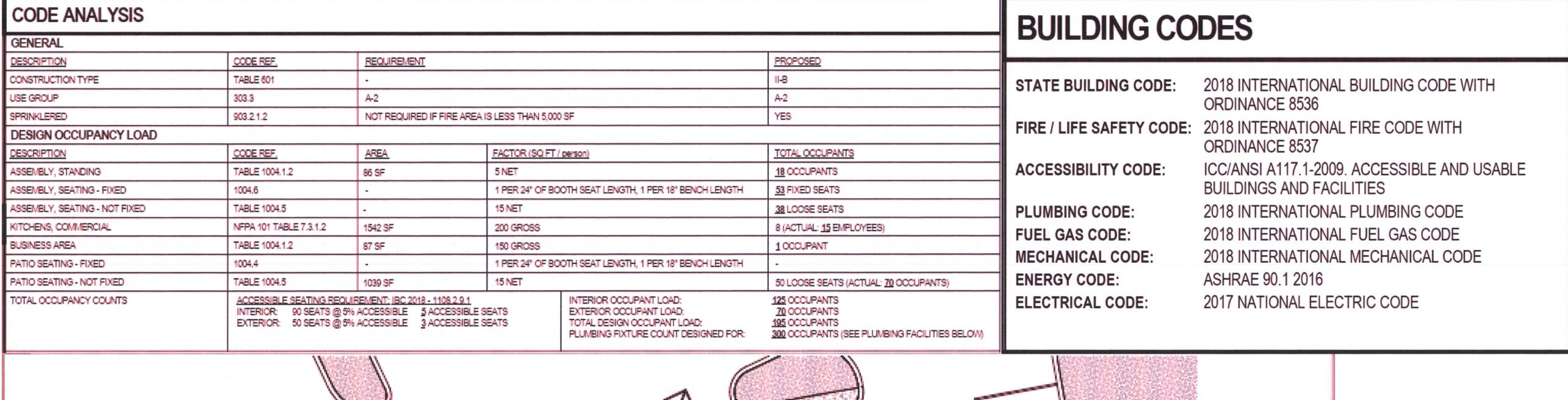
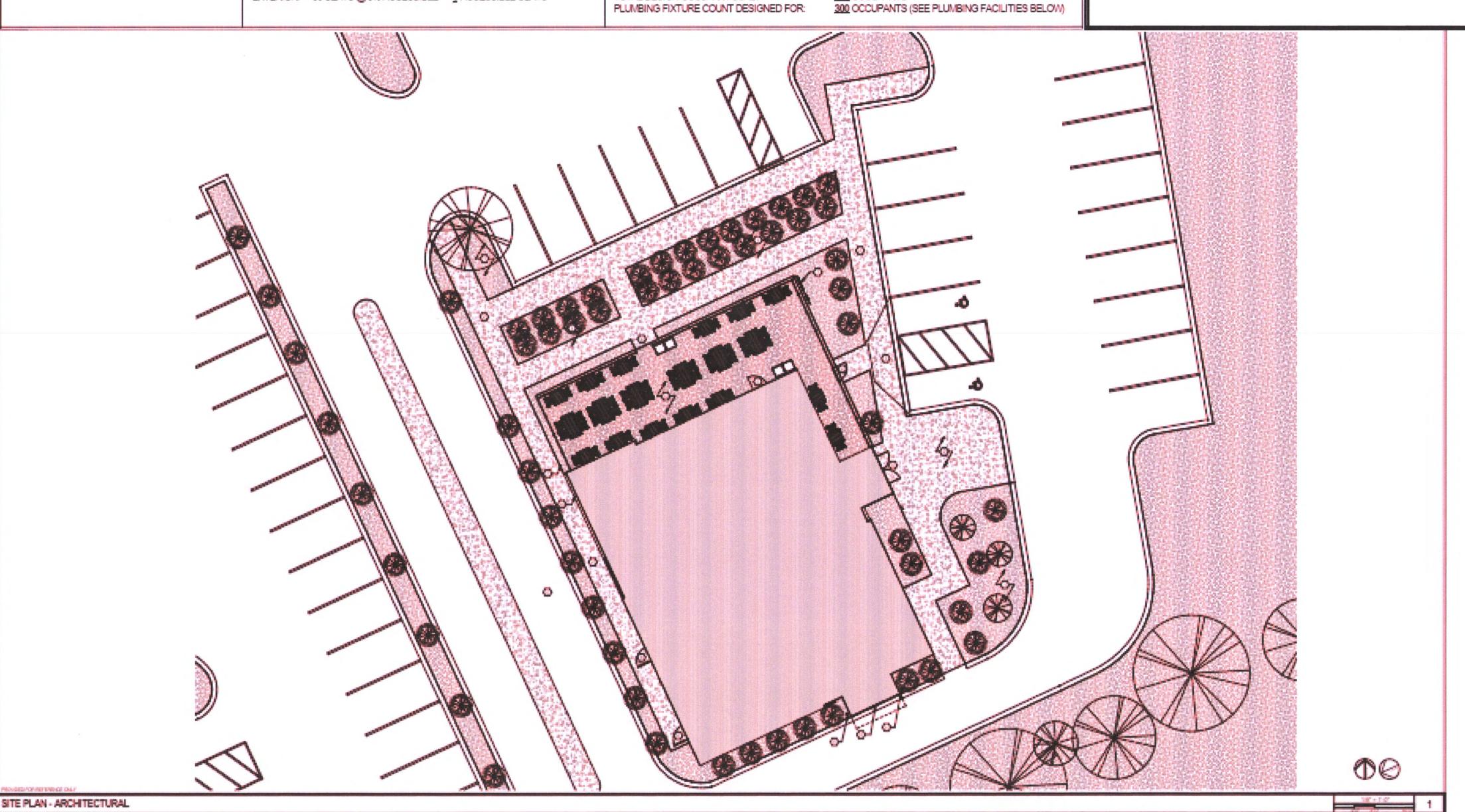
Shake Shack # 1348

2051 NW Lowenstein Drive Lee's Summit, MO 64081

Fire Alarm System Design





General Fire Alarm Notes:

- 1. All smoke detectors shall be located a minimum of three (3) feet from any HVAC diffuser.
- 2. Operable part of manual pull stations shall not be located less than 42 inches or more than 48 inches above the finished floor.
- 3. All strobe and horn/strobes shall be located so the bottom of the device is not less than 80 inches above the finished floor and not greater the 96 inches above the finished floor.
- 4. All notification devices shall be located not less than 6 inches below the finished ceiling.
- 5. Candela rating of strobes and horn/ strobes shall be shown on the drawings.
- 6. Location of notification devices shall be a uniform height for all notification devices.
- 7. Cables, conduits and wire mold shall be securely fastened to the structure.
- 8. Fire alarm devices are to be installed in accordance with; IFC 2018, NFPA72 2016, ADA and manufacture requirements.
- 9. Smoke detectors shall be located on the ceiling not less than 4 inches form a sidewall to the nearest edge of the detector.
- 10. Drawings indicate general fire alarm device locations. Field verify device locations with minimal deviations and document any changes.
- 11. FACP & Power Supplies shall be on a dedicated 120V circuit with 20amp circuit breaker marked red with lock-on position.
- 12. All fire alarm wiring shall be installed in accordance with NFPA 70 (NEC).
- 13. Fire Alarm wire paths are reserved for fire alarm cabling only.
- 14. Carbon monoxide detectors being installed as part of the fire alarm system, shall trigger an audible alarm signal that is distinctly different than the fire alarm signal.

21808 S Wheatfield Rd Peculiar, MO 64079 816-716-1733

REVISION 1

REVISION 2:

REVISION 3:

Summit, MO 64081

DESIGNED BY: S. Grey

DATE:

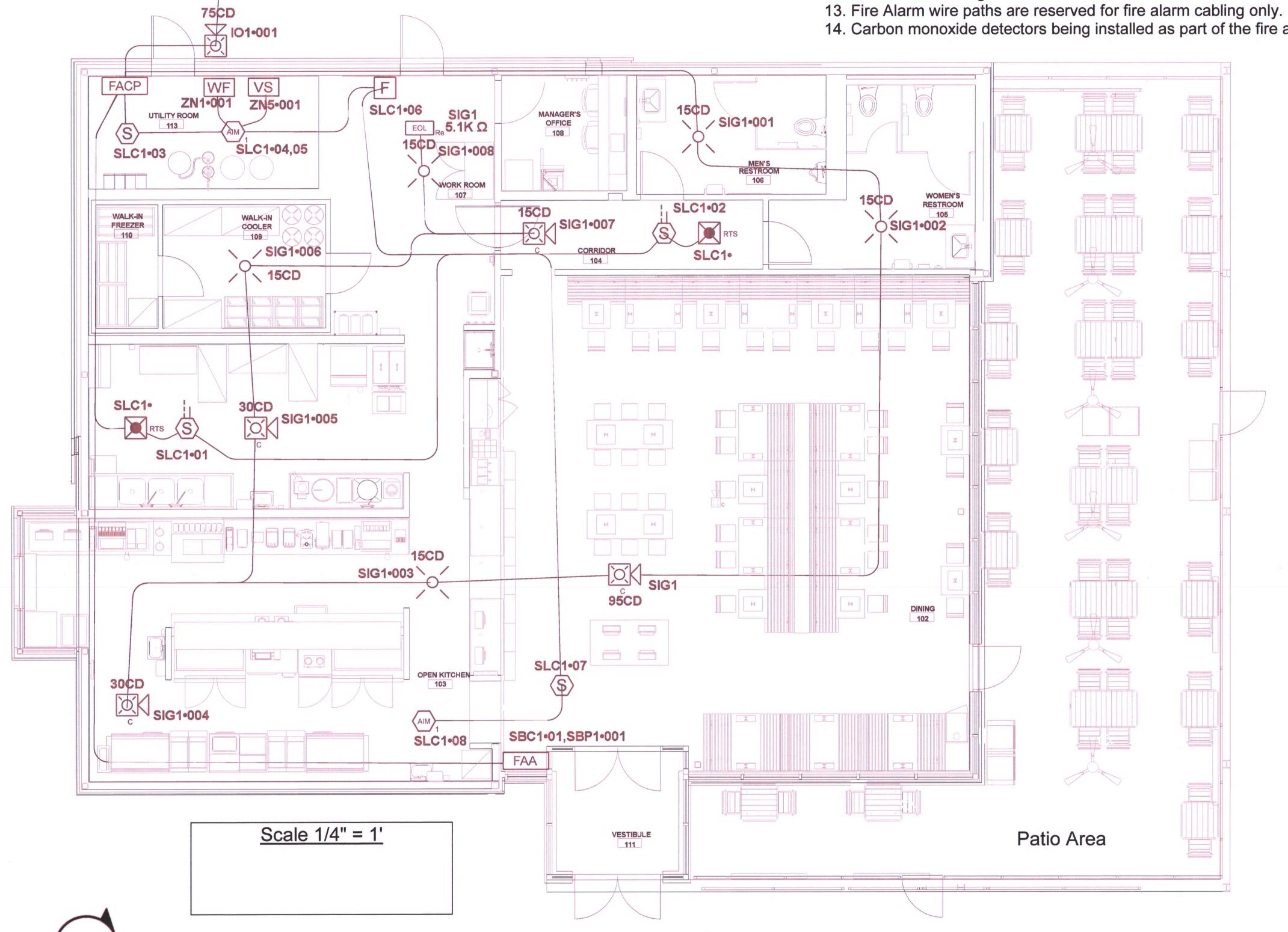
JOB NUMBER:

05/07/21

SHEET NUMBER: FA 1.0 1 of 3

General Fire Alarm Notes:

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- 12. All fire alarm wiring shall be installed in accordance with NFPA 70 (NEC).
- 14. Carbon monoxide detectors being installed as part of the fire alarm system, shall trigger an audible alarm signal that is distinctly different than the fire alarm signal.



Symbol Legend						
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER			
FACP	IPA-60, 60 POINT RELEASING FACP	POTTER ELECTRIC SIGNAL	IPA-60			
FAA	4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE	POTTER ELECTRIC SIGNAL	RA-6500R-F			
<u>(S)</u>	PHOTO SMOKE SENSOR	POTTER ELECTRIC SIGNAL	PAD100-PD			
AIM 1	DUAL INPUT MODULE	POTTER ELECTRIC SIGNAL	PAD100-DIM			
F	ADDRESSABLE PULL STATION, DUAL ACTION	POTTER ELECTRIC SIGNAL	PAD100-PSDA			
AIM 1	SINGLE INPUT MODULE	POTTER ELECTRIC SIGNAL	PAD100-SIM			
RTS	DUCT REMOTE TEST SWITCH	POTTER ELECTRIC SIGNAL	PAD100-DRTS			
(S)	ANALOG ADDRESSABLE DUCT DETECTOR	POTTER ELECTRIC SIGNAL	PAD100-DUCTR			
<u>)</u> o(STROBE, M-C, WHITE, CEILING	POTTER ELECTRIC SIGNAL	CS-24R			
ÖK	HORN/STROBE, 2 WIRE, M-C, WHITE, CEILING	POTTER ELECTRIC SIGNAL	CHS-24PR			
	HS-24WR-WP, 75CD,OUTDOOR HORN/STROBE,S/HS-WP SERIES	POTTER ELECTRIC SIGNAL	HS-24WR-WP			
DOL 100 5.1 Κ Ω	EOL 5.1K	POTTER ELECTRIC SIGNAL	EOL-5.1			

└1 ZN5

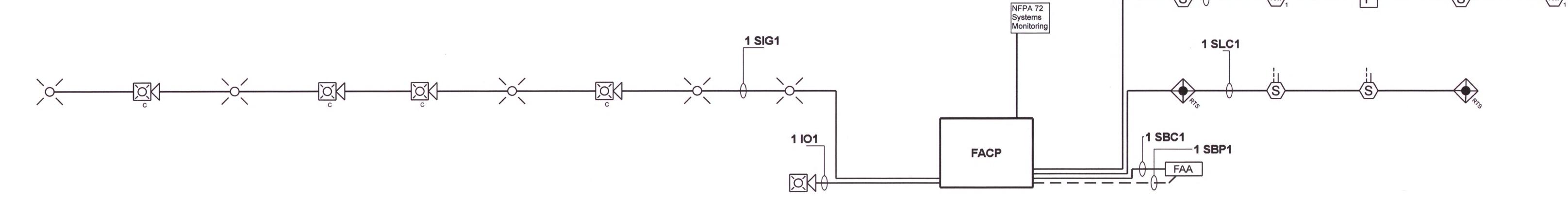
___1 ZN1

1 SLC1

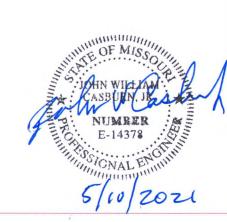


IO1 EOL _{Re} **5.1K** Ω

Fire Alarm Systems Design



Fire Alarm Riser Diagram



KITCHEN HOOD

Eclipse Integrations LLC 21808 S Wheatfield Rd Peculiar, MO 64079 816-716-1733

REVISION 1

REVISION 2:

REVISION 3:

DESIGNED BY: S. Grey

DATE:

JOB NUMBER:

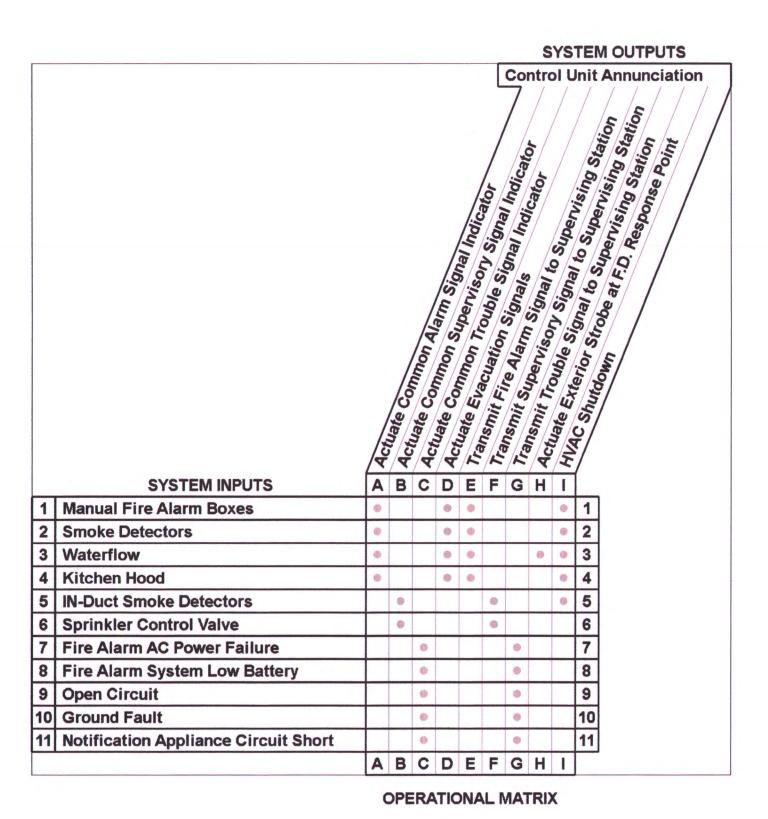
SHEET NUMBER FA 2.0 2 of 3

VSR-2 1 2 IN WATERFLOW SW, VANE TYPE W/RETARD (Initiating) 0.0000mA			Battery Calculations for Panel	: P1			
Address 1: 2051 NW Lowenstein Drive Address 2: Lee's Summit, MO 64081	Part No:IPA-60 -	IPA-6	0, 60 POINT RELEASING FACP				
Address 1: 2051 NW Lowenstein Drive Address 2: Lee's Summit, MO 64081							
Address 2: Lee's Summit, MO 64081							
Prone: \$16-716-1733 Fax: Part No. Qty. Description Standby Total Standby Alarm Total Alar							
Part No. Otto							
Part No. Qty. Panel Equipment Panel Equi							
Panel Equipment Panel Equipment Paso_MB 1 Paso_MB 160.000mA 200.0000mA 200.00000mA 200.00000mA 200.000000MA 200.000000MA 200.0000000MA 200.000000000000000000000000000000000							
IPA60_MB	Part No.	Qty.		Standby	Total Standby	Alarm	Total Alarn
No. Peripheral Devices Total Panel Stby 160.0000mA Total Panel Alarm 200.0000mA Peripheral Devices							
Peripheral Devices HS-24WR-WP 1 HS-24WR-WP, 75CD,OUTDOOR HORN/STROBE,S/HS-WP SERIES (Notification) 75CD 70dB 0.0000mA 0.0000mA 185.0000mA 185.0000mA 185.0000mA CS-24R STROBE, M-C, CEILING (Notification) 15CD 0.0000mA 0.0000mA 0.0000mA 120.0000mA 242.0000mA 240.0000mA 240.00000mA 240.00000mA 240.000000MA 240.0000000MA 240.00000000000000000000000000000000000	IPA60_MB	1	IPA60_MB	1,			
HS-24WR-WP				Total Panel Stby	160.0000mA	Total Panel Alarm	200.0000m/
CS-24R 5 STROBE, M-C, CEILING (Notification) 15CD 0.000mA 0.0000mA 120.0000mA 120.0000mA 242.0000mA CHS-24PR 1 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 35CD 84dB 0.0000mA 0.0000mA 0.0000mA 142.0000mA 242.0000mA CHS-24R 2 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 30CD 84dB 0.0000mA 0.0000mA 0.0000mA 142.0000mA 142.				0.0000-4	0.00000	405 0000	405 0000
CHS-24PR 1 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 95CD 84dB 0.0000mA 0.0000mA 0.0000mA 242.0000mA 242.0000mA CHS-24R 2 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 30CD 84dB 0.0000mA 0.0000mA 142.0000mA 142.0000mA 142.0000mA CHS-24R 1 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 15CD 84dB 0.0000mA 0.0000mA 0.0000mA 142.0000mA 142.00000mA 142.0000mA 142.0000mA 142.0000mA 142.0000mA 142.0000mA 142.0							
CHS-24R 2 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 30CD 84dB 0.0000mA 0.0000mA 142.0000mA 1							
CHS-24R 1 HORN/STROBE, 2 WIRE, M-C, CEILING (Notification) 15CD 84dB 0.0000mA 0.0000mA 142.0000mA 142.0000mA 25.0000mA 26.0000mA 26.00000mA 26.0000mA 26.00000mA 26.0000mA 26.0000mA 26.0000mA 26.00000mA 26.00000mA 26.00000mA 26.00000mA 26.00000mA 26.00000mA 26.000000mA 26.000000000000000000000000000000000000		-					
RA-6500R-F 1 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Power) 20.000mA 20.000mA 25.0000mA 25.0000mA RA-6500R-F 1 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Serial) 0.0000mA 0.2400mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2400mA 0.2000mA 0.0000mA 0.0							
RA-6500R-F 1 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Serial) 0.0000mA 0.2400mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2400mA 0.2000mA 0.2000mA 0.0000mA							
PAD100-PD 2 PHOTO SMOKE SENSOR (Signaling line) 0.5000mA 1.0000mA 1.00000mA 1.0000mA 1.00000mA 1.0000mA 1.0000mA 1.0000mA 1.0000mA 1.0000mA 1.0000mA 1.0000mA 1.0000mA 1.00000mA 1.00000mA 1.00000mA 1.00000mA 1.00000000000000000000000000000000000		-					
PAD100-DIM 1 DUAL INPUT MODULE (Signaling line) 0.2400mA 0.2400mA 0.2400mA 0.2400mA 0.2400mA 0.2400mA 0.2000mA 0.2400mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.5000mA		-					
PAD100-PSDA 1 ADDRESSABLE PULL STATION, DUAL ACTION (Signaling line) 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2000mA 0.2400mA 0.2000mA 0.4000mA 0.5000mA 0.5000mA 0.5000mA 0.5000mA 0.5000mA 0.0000mA 0.5000mA 0.0000mA 0.0000mA 0.5000mA 0.0000mA 0.00000mA 0.0000mA 0.00000mA 0.0000mA 0.00000mA 0.0000mA 0.00000mA 0.00000mA 0.0000mA 0		-					
PAD100-SIM 1 SINGLE INPUT MODULE (Signaling line) 0.2400mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.2000mA 0.4000mA 0.2000mA 0.5000mA 0.5000mA 0.5000mA 0.5000mA 0.5000mA 0.0000mA 0.0000m		-					
PAD100-DRTS 2 DUCT REMOTE TEST SWITCH (Signaling line) 0.2000mA 0.4000mA 0.2000mA 0.5000mA 0.4000mA 0.5000mA 0.0000mA 0.00000mA 0.00000mA 0.0000mA 0.00000mA 0.00000mA 0.00000mA 0.00000mA 0.000							
PAD100-DUCTR 2 ANALOG ADDRESSABLE DUCT DETECTOR (Signaling line) 0.5000mA 1.0000mA 0.5000mA 1.0000mA 0.0000mA 0.00000mA 0.00000mA 0.00000mA 0.00000mA 0.00000mA 0.000000mA 0.000000mA 0.0000000000							
VSR-2 1 2 IN WATERFLOW SW, VANE TYPE W/RETARD (Initiating) 0.0000mA							1.0000m
OSYSU-2 1 GATE VALVE OSYSU-2 (Initiating) 0.0000mA 1.0000mA 0.0000mA 0.0000mA 0.0000mA 0.0000mA 1481.0800m Total Standby Amps 183.0800mA Total Alarm Amps 1681.0800m Standby time: 24 Hrs 4.394A							0.0000m
Total Peripheral Stby 23.0800mA Total Periph Alarm 1481.0800m Total Standby Amps 183.0800mA Total Alarm Amps 1681.0800m Standby time: 24 Hrs 4.394A		-					0.0000m
Standby time: 24 Hrs 4.394A			2	Total Peripheral Stby	23.0800mA	Total Periph Alarm	1481.0800m
Standby time: 24 Hrs 4.394A				Total Standby Amps	183.0800mA	Total Alarm Amps	1681.0800m
			· · · · · · · · · · · · · · · · · · ·	Total Stallary Filips	100.0001117	. Juli Fudini Fulipo	
					St	andby time: 24 Hrs	4.394A

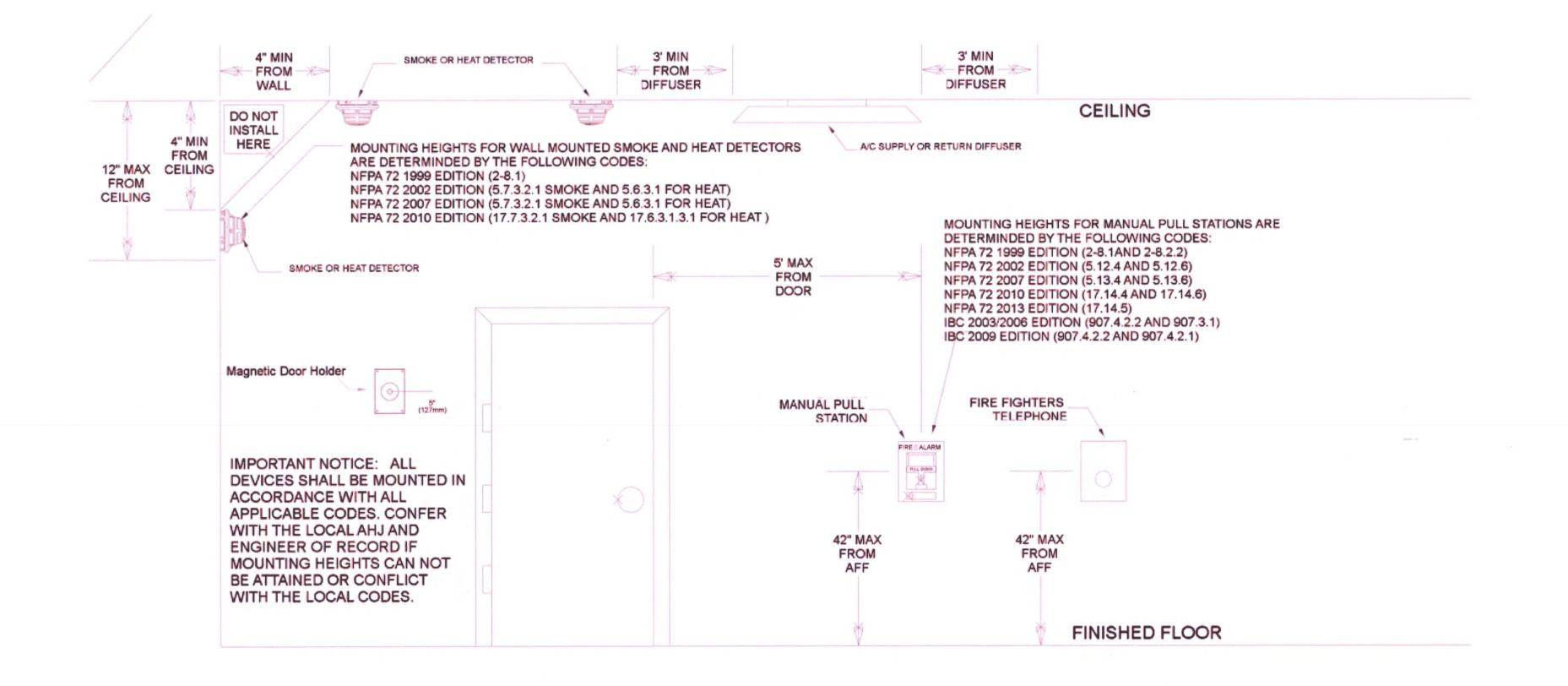
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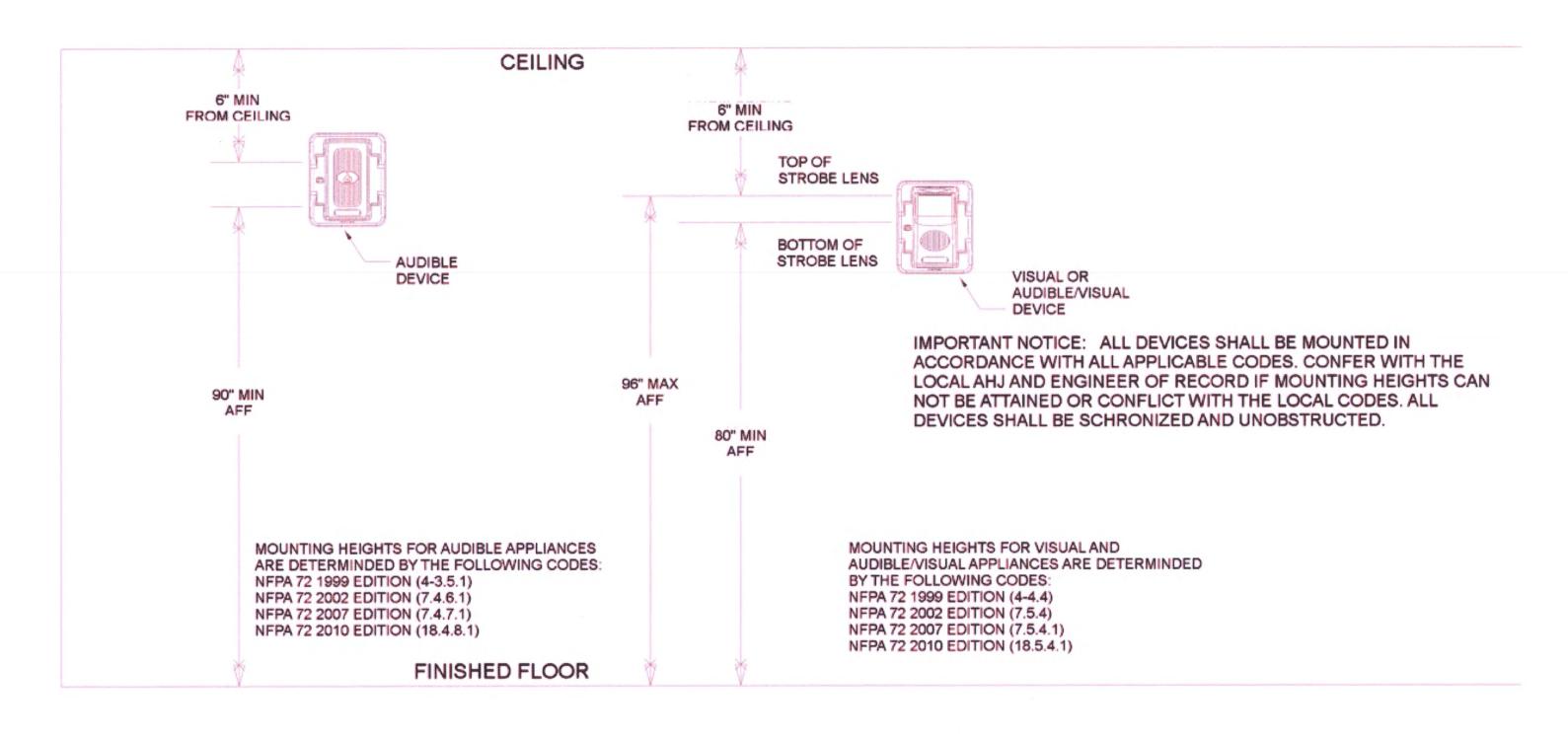
		Circuit Calculations Panel: P1 Card:	00 Circ	:uit:IO1			
		Circuit Name: IO1					
		Circuit Type: Notification Terminal Voltage: 20.4V:NA	Amperage:	1.0000A			
		Cable: 14/2 SOL JKT FPLR 1M RL RED #14	4				
		Calculations based on Running Total Length	٦.				
		Design Criteria: Ambient temperature: 167°F Max. operating	voltage dr	op: 18%			
evice	Part No	Appliance Desc	Dista		rent V	oltage	Voltage Dro
7011.00	IPA-60					20.4V	
001	HS-24WR-WF	HS-24WR-WP, 75CD,OUTDOOR HORN/STROBE,S/HS-WP SERIES , 75CD		10'-0 185.00	00mA 2	0.3886V	(0.0114)
				10'-0 185.00	00mA		
					T	otal Curr	ent: 185.0000m
			Total VDrop	Percent:0.0	6%) To	al Voltag	ge Drop : 0.0114
		Circuit Calculations Panel: P1 Card: 00	Circuit	:SBP1			
		Circuit Name: SBP1					
		Circuit Type: Power/RS-485 P-Link Pwr Terminal Voltage: 20.2V:DC	Ampera	ge: 1.0000A	\		
		Cable: 14/2 SOL JKT FPLR 1M RL RED #14					
							1
		Calculations based on Running Total Length					
		Calculations based on Running Total Length. Design Criteria: Ambient temperature: 167°F Max. operating vo	Itage drop:	18%			
Vovico	Part No.	Design Criteria: Ambient temperature: 167°F Max. operating vo			Voltac	le Volt	age Drop
evice	Part No	Design Criteria: Ambient temperature: 167°F Max. operating vo	Itage drop: Distance			-	age Drop
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc	Distance	Current	20.2	2V	
		Design Criteria: Ambient temperature: 167°F Max. operating vo	Distance 83'-0	Current 20.0000mA	20.2	2V	age Drop (0.0102V)
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc	Distance 83'-0	Current	20.1898	2V BV	(0.0102V)
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE	83'-0 83'-0	20.0000mA 20.0000mA	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE	83'-0 83'-0	Current 20.0000mA	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE	83'-0 83'-0 Drop Perce	20.0000mA 20.0000mA nt:0.05%)	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Total V	83'-0 83'-0 Drop Perce	20.0000mA 20.0000mA nt:0.05%)	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel	83'-0 83'-0 Drop Perce	20.0000mA 20.0000mA 20.0000mA nt:0.05%)	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Total V Circuit Calculations Panel: P1 Card: 00 Circuit Name: SBC1	83'-0 83'-0 Drop Perce	20.0000mA 20.0000mA 20.0000mA nt:0.05%)	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo	83'-0 83'-0 Drop Perce	20.0000mA 20.0000mA 20.0000mA nt:0.05%)	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Total V Circuit Calculations Panel: P1 Card: 00 Circuit Name: SBC1 Circuit Type: Serial/RS-485 P-Link Terminal Voltage: 20.2V:DC Cable: 18/2 SOL JKT FPLR 1M RL RED #18	83'-0 83'-0 Drop Perce Circuit:	20.0000mA 20.0000mA 20.0000mA ent:0.05%)	20.1898 Total (BV Current:	(0.0102V) 20.0000mA
	IPA-60	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Total V Circuit Calculations Panel: P1 Card: 00 Circuit Name: SBC1 Circuit Type: Serial/RS-485 P-Link Terminal Voltage: 20.2V:DC Cable: 18/2 SOL JKT FPLR 1M RL RED #18 Calculations based on Running Total Length. Design Criteria: Ambient temperature: 167°F Max. operating vol	83'-0 83'-0 Drop Perce Circuit: Amperage	20.0000mA 20.0000mA 20.0000mA ent:0.05%)	20.1898 Total (Total Vol	SV SV Current:	(0.0102V) 20.0000mA p: 0.0102V
001	IPA-60 RA-6500R-F	Design Criteria: Ambient temperature: 167°F Max. operating vo Appliance Desc Panel 4X40 LCD ANNUNCIATOR W KEY PAD LOCKED METAL ENCLOSURE (Total V Circuit Calculations Panel: P1 Card: 00 Circuit Name: SBC1 Circuit Type: Serial/RS-485 P-Link Terminal Voltage: 20.2V:DC Cable: 18/2 SOL JKT FPLR 1M RL RED #18 Calculations based on Running Total Length. Design Criteria: Ambient temperature: 167°F Max. operating vol	83'-0 83'-0 Drop Perce Circuit: Amperage	20.0000mA 20.0000mA 20.0000mA mt:0.05%) T SBC1 : 1.0000A	20.1898 Total (Total Vol	SV SV Current:	(0.0102V) 20.0000mA p: 0.0102V

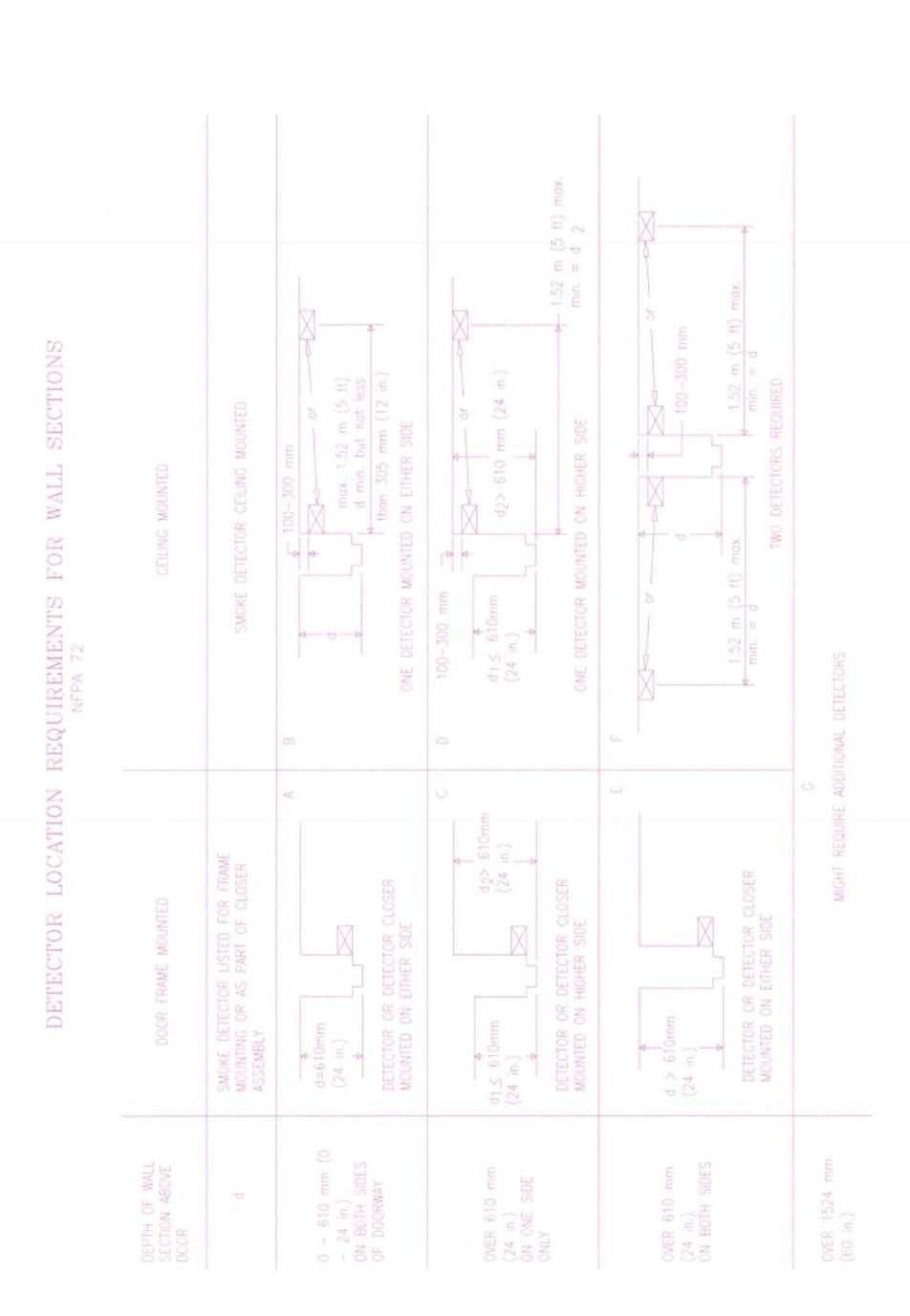
	-	IICui		P1 Card:	00 0	ircuit.		
		01	Circuit Name: S		A	2 000	0.4	
		Circu	uit Type: Notification Terminal Voltag Cable: 14/2 SOL JKT FPLR 1			age: 3.000	UA	
		Desi	Calculations based on Runni ign Criteria: Ambient temperature: 167°F	-		e drop: 18	9%	
Device	Part No		Appliance Desc	Distance				oltage Drop
	IPA-60	Panel					20.4V	
001	CS-24R	STRO	BE, M-C, CEILING, 15CD	48'-0	120.00	00mA 20	.0263V	(0.3737V)
002	CS-24R	STRO	BE, M-C, CEILING, 15CD	21'-0	120.00	00mA 19	.8783V	(0.148V)
	CHS-24PR	HORN	I/STROBE, 2 WIRE, M-C, CEILING, 95CD	47'-0	242.00	00mA 19	.5816V	(0.2967V)
003	CS-24R	STRO	BE, M-C, CEILING, 15CD	15'-0	120.00	00mA 19	.5092V	(0.0724V)
004	CHS-24R	HORN	I/STROBE, 2 WIRE, M-C, CEILING, 30CD	33'-0	142.00	00mA 19	.3743V	(0.1349V)
005	CHS-24R	HORN	I/STROBE, 2 WIRE, M-C, CEILING, 30CD	31'-0	142.00	00mA 19	.2745V	(0.0997V)
006	CS-24R	STRO	BE, M-C, CEILING, 15CD	13'-0	120.00	00mA 1	9.244V	(0.0305V)
007	CHS-24R	HORN	I/STROBE, 2 WIRE, M-C, CEILING, 15CD	25'-0	142.00	00mA 19	.2038V	(0.0402V)
008	CS-24R	STRO	BE, M-C, CEILING, 15CD	13'-0	120.00	00mA 19	.1943V	(0.0096V)
			uit Calculations Panel:	P1 Card	cent:5.9	Tota 1%) Tota Circuit	l Voltage	: 1268.0000mA Drop : 1.2057V
		cuit Ty	Circuit Name: pe: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur	ptal VDrop Per P1 Card SLC1 nal Voltage: 20 R 1M RL RED nning Total Le	: 00 (0.2V:DC #18 ngth.	Tota 1%) Tota Circuit Amper	SLC1	Drop : 1.2057V
		cuit Ty	Circuit Name: pe: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE	ptal VDrop Per P1 Card SLC1 nal Voltage: 20 R 1M RL RED nning Total Le	: 00 (0.2V:DC #18 ngth.	Tota 1%) Tota Circuit Amper	SLC1	Drop : 1.2057V
Device		cuit Ty	Circuit Name: pe: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur	P1 Card SLC1 nal Voltage: 26 R 1M RL RED nning Total Le Max. opera	: 00 (0.2V:DC #18 ngth. ting voltage	Tota 1%) Tota Circuit Amper	SLC1 age: 1.000 18% t Voltage	Drop : 1.2057V
Device	Circ Part N	Do O PA-60	Circuit Name: Circuit Name: pe: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur esign Criteria: Ambient temperature: 167°f Appliance Desc Panel	P1 Card SLC1 nal Voltage: 26 R 1M RL RED nning Total Le Max. opera	D.2V:DC #18 ngth. ting volts	Tota 1%) Tota Circuit Ampera age drop: Curren	SLC1 age: 1.000 18% t Voltag 20.2	Drop : 1.2057V
Device	Part N	Do O PA-60 DRTS	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH	SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera	0.2V:DC #18 ngth. ting volts	Tota 1%) Tota Circuit Ampera age drop: Curren 0.2000ma	SLC1 age: 1.000 18% t Voltag 20.2 20.1994	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01	Part N PAD100-D	DOOPA-60 DRTS	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur esign Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR	SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Dis	cent:5.9 C.2V:DC #18 ngth. ting volt: stance 27'-0 4'-0	Amperage drop: Curren 0.2000m/	SLC1 age: 1.000 18% t Voltag 20.2 20.1994 20.1993	Drop : 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
	Part N PAD100-0 PAD100-D PAD100-D	DO OPA-60 DRTS JCTR	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur esign Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR	SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Dis	27'-0 52'-0	Amperage drop: Curren 0.2000m/ 0.5000m/	I Voltage SLC1 age: 1.000 18% t Voltag	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01	Part N PAD100-D	DO OPA-60 DRTS JCTR	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur esign Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR	SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Dis	27'-0 52'-0	Amperage drop: Curren 0.2000m/	I Voltage SLC1 age: 1.000 18% t Voltag	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01 02	Part N PAD100-I PAD100-DI PAD100-DI PAD100-DI	DO PA-60 DRTS JCTR JCTR DRTS	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167° Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR DUCT REMOTE TEST SWITCH	SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Dis	27'-0 4'-0 4'-0	Amperage drop: Curren 0.2000m/ 0.5000m/ 0.2000m/	18% t Voltage 20.2 20.1994 20.1988 20.1988	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01 02 03	PAD100-DI PAD100-DI PAD100-DI PAD100-DI PAD100-DI	DO PA-60 DRTS JCTR JCTR DRTS	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167° Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR DUCT REMOTE TEST SWITCH DUCT REMOTE TEST SWITCH PHOTO SMOKE SENSOR	SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Dis	27'-0 4'-0	Amperage drop: Curren 0.2000m/ 0.5000m/ 0.5000m/	1 Voltage :SLC1 age: 1.000 18% t Voltag 20.1994 20.1998 20.1988 20.1988	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01 02 03 04, 05	Part No. PAD100-D PAD100-D PAD100-D PAD100-D PAD100-D PAD100-D	DO PA-60 DRTS JCTR DRTS DRTS	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR ANALOG ADDRESSABLE DUCT DETECTOR DUCT REMOTE TEST SWITCH PHOTO SMOKE SENSOR DUAL INPUT MODULE	P1 Card SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Di:	27'-0 4'-0 8'-0 8'-0	Amperage drop: Curren 0.2000m/ 0.5000m/ 0.5000m/ 0.2400m/	1 Voltage SLC1 18% t Voltag	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01 02 03 04, 05 06	PAD100-DE PAD100-PAD10-	DOPA-60 DRTS JCTR JCTR DRTS DO-PD D-DIM	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR ANALOG ADDRESSABLE DUCT DETECTOR DUCT REMOTE TEST SWITCH PHOTO SMOKE SENSOR DUAL INPUT MODULE ADDRESSABLE PULL STATION, DUAL ACC	P1 Card SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Di:	27'-0 4'-0 8'-0 15'-0	Tota 1%) Tot	1 Voltage SLC1 18% t Voltag	Drop: 1.2057V DOA DOA DOA DOA DOA DOA DOA DO
01 02 03 04, 05 06 07	PAD100-DE PAD100-PAD10-	DOPA-60 DRTS JCTR JCTR DRTS OO-PD O-DIM PSDA	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR ANALOG ADDRESSABLE DUCT DETECTOR DUCT REMOTE TEST SWITCH PHOTO SMOKE SENSOR DUAL INPUT MODULE ADDRESSABLE PULL STATION, DUAL ACC PHOTO SMOKE SENSOR	P1 Card SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Di:	27'-0 4'-0 8'-0 59'-0	Tota 1%) Tot	1 Voltage SLC1 18% 1 Voltage 20.2 2 20.1994 2 20.1998 2 20.1998 2 20.1999 2 20.1999 2 20.1999 2 20.1999 2 20.1999 2 20.1999	Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V (0.0006) Drop: (0.000
01 02 03 04, 05 06	PAD100-DE PAD100-PAD10-	DOPA-60 DRTS JCTR JCTR DRTS OO-PD O-DIM PSDA	Circuit Name: Circuit Name: De: Signaling line/Potter - SLC Termin Cable: 18/2 SOL JKT FPLE Calculations based on Rur Design Criteria: Ambient temperature: 167°F Appliance Desc Panel DUCT REMOTE TEST SWITCH ANALOG ADDRESSABLE DUCT DETECTOR ANALOG ADDRESSABLE DUCT DETECTOR DUCT REMOTE TEST SWITCH PHOTO SMOKE SENSOR DUAL INPUT MODULE ADDRESSABLE PULL STATION, DUAL ACC	P1 Card SLC1 nal Voltage: 20 R 1M RL RED nning Total Le Max. opera Di:	27'-0 4'-0 52'-0 4'-0 52'-0 15'-0 13'-0	Tota 1%) Tot	1 Voltage SLC1 18% 1 Voltage 20.2 2 20.1994 2 20.1998 2 20.1998 2 20.1997 2 20.1998 2 20.1998 2 20.1998 2 20.1998	Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V Drop: 1.2057V (0.0006) Drop: (0.000



Battery Calculations







NUMBER E-14378

S/10/2021

Eclipse Integrations
21808 S Wheatfield
Peculiar, MO 640

REVISION 1

Lee's Summit, MO 64081

Eire Alarm Design Details

DESIGNED BY:

S. Grey

DATE:

JOB NUMBER:

SHEET NUMBER

NFPA 72 Device Reference