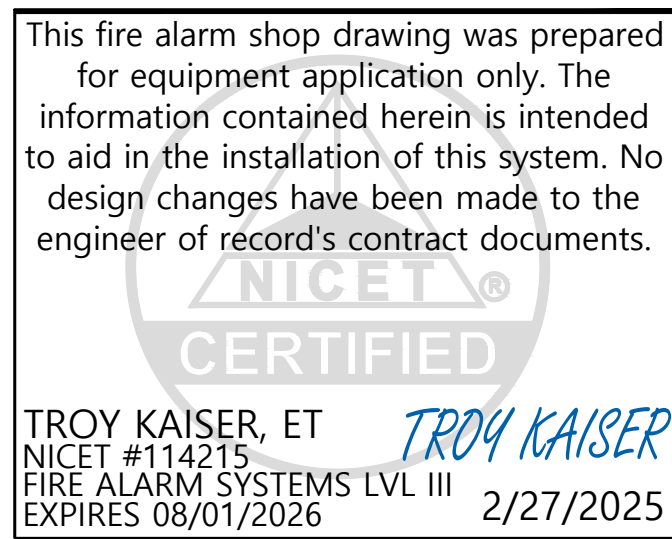


FIRE ALARM SYSTEM



REVISIONS

NO.	DATE	REVISION
①	BY: -	-
②	BY: -	-
③	BY: -	-
④	BY: -	-
⑤	BY: -	-
⑥	BY: -	-
⑦	BY: -	-

SCALE:	N.T.S.
PREPARED BY:	TDK
CHECKED BY:	TDK
PROJECT MANAGER:	-
DATE:	1/7/2025
DR NO:	108935.1
PROJECT NO:	501935324
TITLE:	

COVER SHEET

SHEET: F000

RELIANT REAL ESTATE #NC07
14396 NC-210 S. HIGHWAY
SPRING LAKE, NC. 28390

everOn™

SCOPE OF WORK

THIS PROJECT INVOLVES THE INSTALLATION AND TESTING OF A NEW EDWARDS IO64R DEDICATED FACU WITH SPRINKLER MONITORING AND ELEVATOR FUNCTION SYSTEM. WITH A SOLE PATH CELLULAR COMMUNICATOR TO BE MONITORED BY A UL LISTED CENTRAL STATION. NO CHANGES TO THE OCCUPANCY TYPE OR OCCUPANT LOAD SHALL BE MADE. NO CONSTRUCTION OR CHANGES TO THE STRUCTURE SHALL TAKE PLACE UNDER THIS PERMIT.

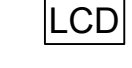
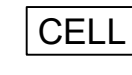
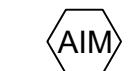
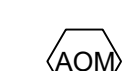
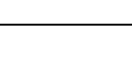
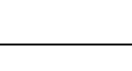
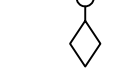
CONTROL UNIT ANNUNCIATION		NOTIFICATION		REQUIRED FIRE SAFETY CONTROL	
ACTUATE COMMON ALARM SIGNAL INDICATOR					
ACTUATE AUDIBLE ALARM SIGNAL					
ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR					
ACTUATE AUDIBLE SUPERVISORY SIGNAL					
ACTUATE COMMON TROUBLE SIGNAL INDICATOR	●				
ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	●				
ACTUATE NOTIFICATION DEVICES					
DISPLAY/PRINT CHANGE OF STATUS					
TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION					
TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION					
TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION					
HVAC SHUTDOWN PROCESS					
				●	FIRE ALARM
				●	FIRE ALARM
				●	GROUND
				●	NOTIFICATION
				●	OPEN CIRCUIT
	●			●	CELLULAR
●	●				MANUAL
●	●			●	SMOKE DETECTOR
●	●			●	HEAT DETECTOR
					WATERFLOW
	●			●	SPRINKLER

SYSTEM MATRIX

SCALE: N.T.S.

[illegible]

FIRE ALARM EQUIPMENT LIST

DEVICE LEGEND				
SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
	1	EDWARDS	IO64R	FACP, 1 LOOP, 64PT, 2 CL B NACS, RED, 120V
		EDWARDS	RLCD-CR	LCD ANN. 4X20 LCD, W/COMMON LEDS & CTRLS, RED
	1	NAPCO	SLE-MAX2-FIRE	UNIVERSAL FIRE COMMUNICATOR, DUAL SIM, DUAL PATH, PANEL-POWERED TECHNOLOGY, ABS PLASTIC HOUSING
	6	EDWARDS	SIGA-CT1	SINGLE INPUT MODULE
	4	EDWARDS	SIGA-CR	CONTROL RELAY MODULE
	1	EDWARDS	SIGA-278	DOUBLE ACTION FIRE ALARM STATION
	5	EDWARDS	SIGA-OSD	INTELLIGENT OPTICAL SMOKE DETECTOR
	2	EDWARDS	SIGA-HRD W/SIGA-SB BASE	INTELLIGENT FIXED TEMPERATURE/RATE-OF-RISE HEAT DETECTOR, STANDARD DETECTOR BASE
	4	N/A	VALVE TAMPER SUPERVISORY SWITCH	
	1	N/A	WATERFLOW SWITCH	
	1	EDWARDS	WG4RN-HVMC	OUTDOOR RATED HORN-STROBE, RED WITHOUT MARKING, CLEAR LENS
	1	SPACE AGE ELECTRONICS	SSU-PAM-1	POLARIZED RELAY MODULE 24VAC/24VDC/120VAC
	1	SPACE AGE ELECTRONICS	SSU00690	FIRE ALARM DOCUMENT CABINET W/8GB USB DRIVE (ACE-11), RED WITH CUSTOM LOGO
ADDITIONAL ASSEMBLY COMPONENTS AND HARDWARE				
	1	EDWARDS	IO64R MAINBOARD	MAINBOARD FOR IO64R ASSEMBLY
	1	NAPCO	SLE-MAX2-FIRE MAIN BOARD	

PROJECT INFORMATION

PROJECT INFORMATION:
NAME OF PROJECT: RELIANT REAL ESTATE #NC07
ADDRESS: 14396 NC-210 S. HIGHWAY
SPRING LAKE, NC. 28390

PROPOSED USE:
FIRE ALARM INSTALLER 66762:
EVERON, LLC
3821 POWHATAN RD
CLAYTON, NC. 27527

FIRE ALARM VENDOR:
EVERON, LLC
4221 W JOHN CARPENTER FWY
IRVING, TX 75067

FIRE ALARM DESIGNER:
EVERON, LLC
4221 W JOHN CARPENTER FWY
IRVING, TX 75067

REMOTE STATION LISTING
CCN File No. Vol. No.
UUFX S2694 20
877-776-1911

CODE SUMMARY

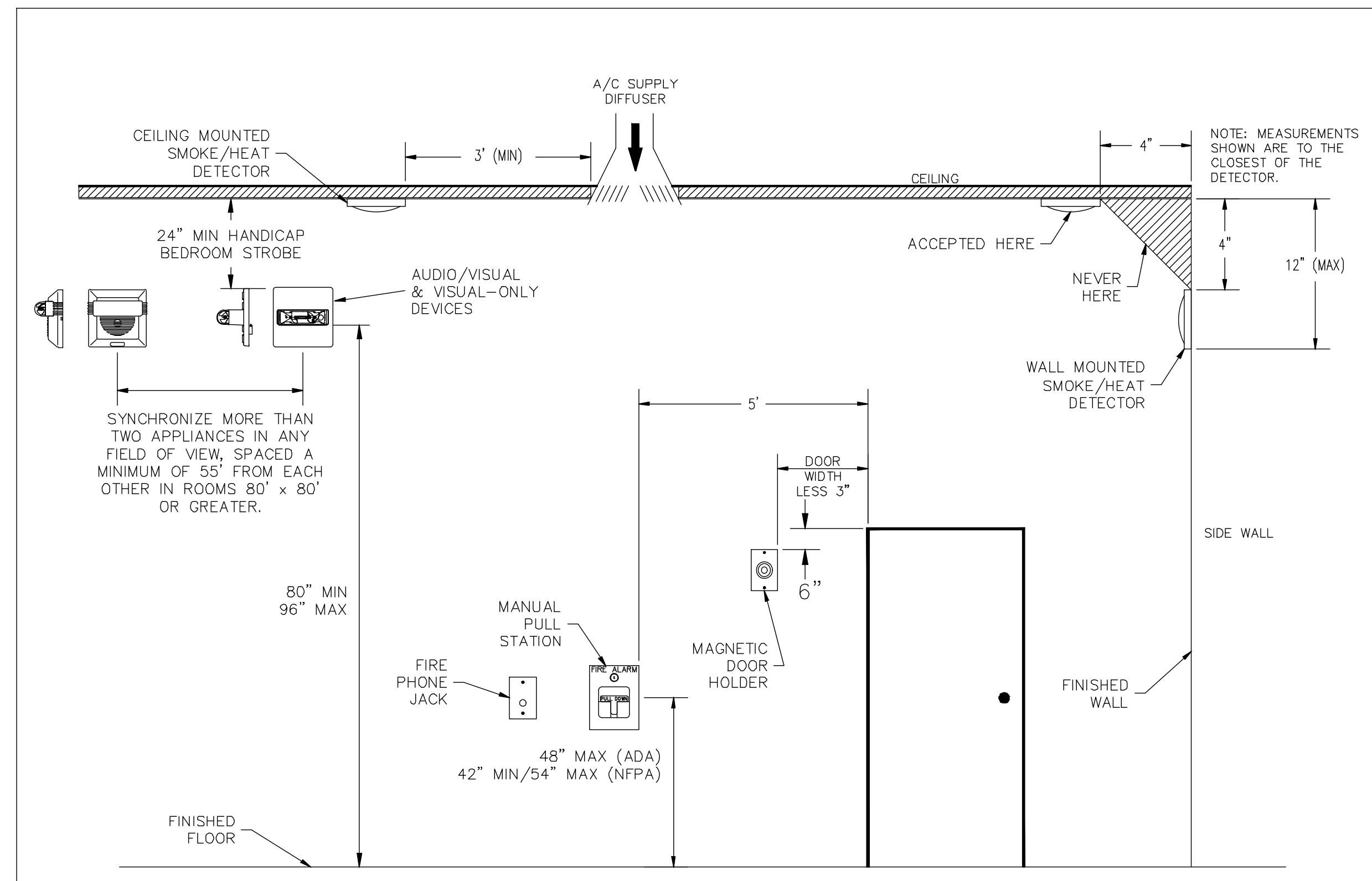
2020 NORTH CAROLINA STATE BUILDING CODE W/ AMENDMENTS	CODE
2020 NORTH CAROLINA STATE FIRE CODE W/ AMENDMENTS	
2020 NORTH CAROLINA EXISTING BUILDING CODE W/ AMENDMENTS	
2019 NFPA-72	
2020 NORTH CAROLINA ELECTRICAL CODE W/ AMENDMENTS	

BUILDING DATA

PROJECT DESCRIPTION: SPRINKLER MONITORING AND ELEVATOR
FUNCTION SYSTEM
BUILDING CONSTRUCTION TYPE: GROUP IIIB
BUILDING OCCUPANCY: B & S-1
BUILDING FLOOR: TWO FLOOR
TYPE OF PROTECTION: SPRINKLERED
ESTIMATED SQUARE FOOTAGE: ~24,380
OCCUPANT LOAD: 90
CIRCUIT TYPE: INITIATING DEVICE CIRCUIT CLASS B
CIRCUIT TYPE: NOTIFICATION APPLIANCE CIRCUIT CLASS B

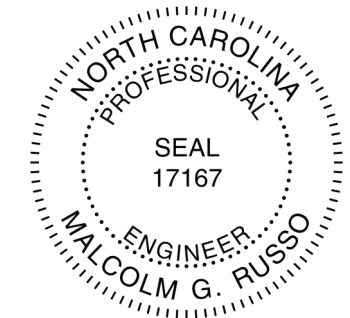
CABLE AND WIRE LEGEND

CABLE AND WIRE LEGEND						
LABEL	PART NO	APPLICATION	RESISTANCE MFT	AWG	DESCRIPTION	TOTAL LENGTH
A	182 FLPR	SLC	7.77	18	2 COND. SOLID COPPER FLPR ADDRESSABLE	327'
B	142 FLPR	AUG	3.07	18	2 COND. SOLID COPPER FLPR ANALOG UNSHIELDED	114'
V	142 FLPR	INC	3.07	14	2 COND. SOLID COPPER FLPR ANALOG UNSHIELDED	114'
Z	182 FLPR	DAG	3.27	18	2 COND. SOLID COPPER FLPR ANALOG UNSHIELDED	114'



FIRE ALARM SYSTEM

PROFESSIONAL SEAL



ENGINEER OF RECORD:
MALCOLM G. RUSSO, PE

This fire alarm shop drawing was prepared for equipment application only. The information contained herein is intended to aid in the installation of this system. No design changes have been made to the engineer of record's contract documents.

TROY KAISER, ET
NICET #114215
FIRE ALARM SYSTEMS LVL III
EXPIRES 08/01/2026
TROY KAISER
2/27/2025

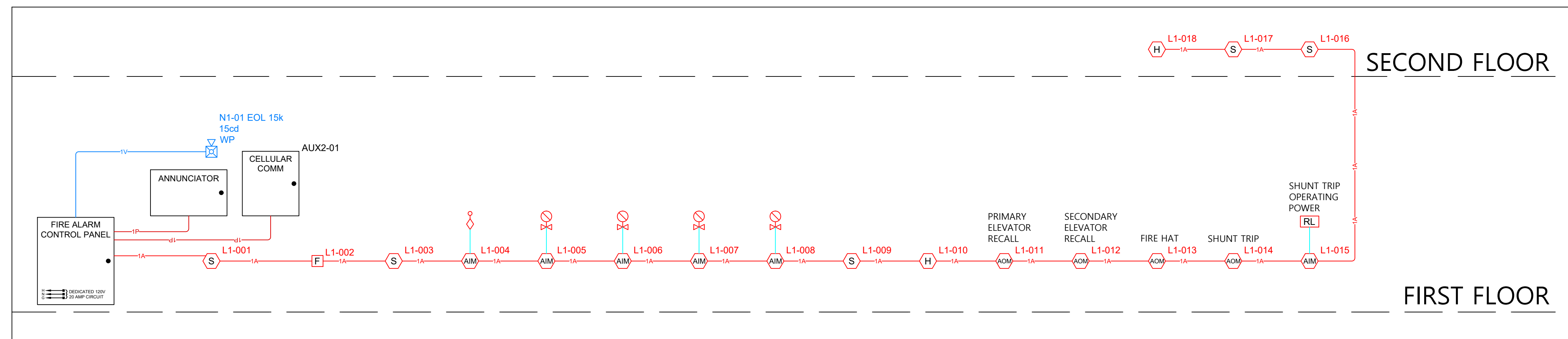
REVISIONS

NO.	DATE	REVISION
1	BY: -	-
2	BY: -	-
3	BY: -	-
4	BY: -	-
5	BY: -	-
6	BY: -	-
7	BY: -	-

PANEL											
(004R) BATTERY CALCULATION											
(SECONDARY POWER SOURCE REQUIREMENTS)											
PANEL COMPONENTS					STANDBY CURRENT						
					SECONDARY ALARM CURRENT						
					QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
					1	004R	FACP, 1 LOOP, 64PT, 2 CL, 8 NACS, RED, 120V	0	0	0	0
					1	004R MAINBOARD	MAINBOARD FOR 004R ASSEMBLY	0.155	0.155	0.204	0.204
CIRCUIT	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	SYMBOL	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P1AUX1	3.75	0.243561	3.506439		1	RLCD-CR	LCD ANN, 4X2 LCD, W/COMMON LEDS & CTRL.S, RED	0.098	0.098	0.113	0.113
					1	SIGA-278	DOUBLE ACTION FIRE ALARM STATION	0.00025	0.00025	0.0004	0.0004
				4	SIGA-CR	CONTROL RELAY MODULE	0.0001	0.0004	0.0001	0.0004	
				6	SIGA-CT1	SINGLE INPUT MODULE	0.00025	0.0015	0.0004	0.0024	
				2	SIGA-HRD WISIGA-SB BASE	INTELLIGENT FIXED TEMPERATURE/RATE-OF-RISE HEAT DETECTOR, STANDARD DETECTOR BASE	0.00051	0.00102	0.000068	0.00136	
				5	SIGA-CSD	INTELLIGENT OPTICAL SMOKE DETECTOR	0.00032	0.0016	0.000045	0.000225	
P1A1					1	WGRN-HVMC	OUTDOOR RATED HORN-STROBE, RED WITHOUT MARKING, CLEAR LENS 15C2	0	0	0.127	0.127
						TOTAL STANDBY (A)	0.255412	TOTAL ALARM (A)	0.447561		
								REQUIRED STANDBY TIME (HOURS)		24	
								REQUIRED ALARM TIME (MINUTES)		5	
								SECONDARY STANDBY LOAD (A)		0.255412	
								SECONDARY ALARM LOAD (A)		0.447561	
								STANDBY AND ALARM SUBTOTAL (AMP HOURS)		6.17	
								DERATING FACTOR		1.25	
								SECONDARY LOAD REQUIREMENTS (AMP HOURS)		7.71	
PROVIDE (2) 12V 12AH BATTERIES											

ELECTRICAL CALCULATIONS

SCALE: N.T.S.



RISER DIAGRAM

SCALE: 1/8"=1'0"



FIRST FLOOR

SCALE: 1/8"=1'0"



SECOND FLOOR

SCALE: 1/8"=1'0"

SCALE: N.T.S.

PREPARED BY: TDK

CHECKED BY: TDK

PROJECT MANAGER: -

DATE: 1/7/2025

DR NO: 108935.1

PROJECT NO: 501935324

TITLE: RISER DIAGRAM, FLOOR PLAN AND ELECTRICAL CALCS

SHEET: F001