

GENERAL NOTES

1. APPLICABLE CODES:

1.1. 2023 FLORIDA BUILDING CODE, BUILDING, 8TH ED.

1.2. 2023 FLORIDA BUILDING CODE, ENERGY, 8TH ED.

1.3. 2023 FLORIDA BUILDING CODE, MECHANICAL, 8TH ED.

1.4. 2023 FLORIDA BUILDING CODE, FUEL GAS, 8TH ED.

1.5. 2023 FLORIDA BUILDING CODE, PLUMBING, 8TH ED.

1.6. 2023 FLORIDA FIRE PREVENTION CODE, 8TH ED.

1.7. 2023 FLORIDA BUILDING, ACCESSIBILITY, 8TH ED.

1.8. 2021 NFPA 101 LIFE SAFETY CODE W/ FLORIDA AMENDMENTS.

1.9. 2021 NFPA 70 NATIONAL ELECTRIC CODE.

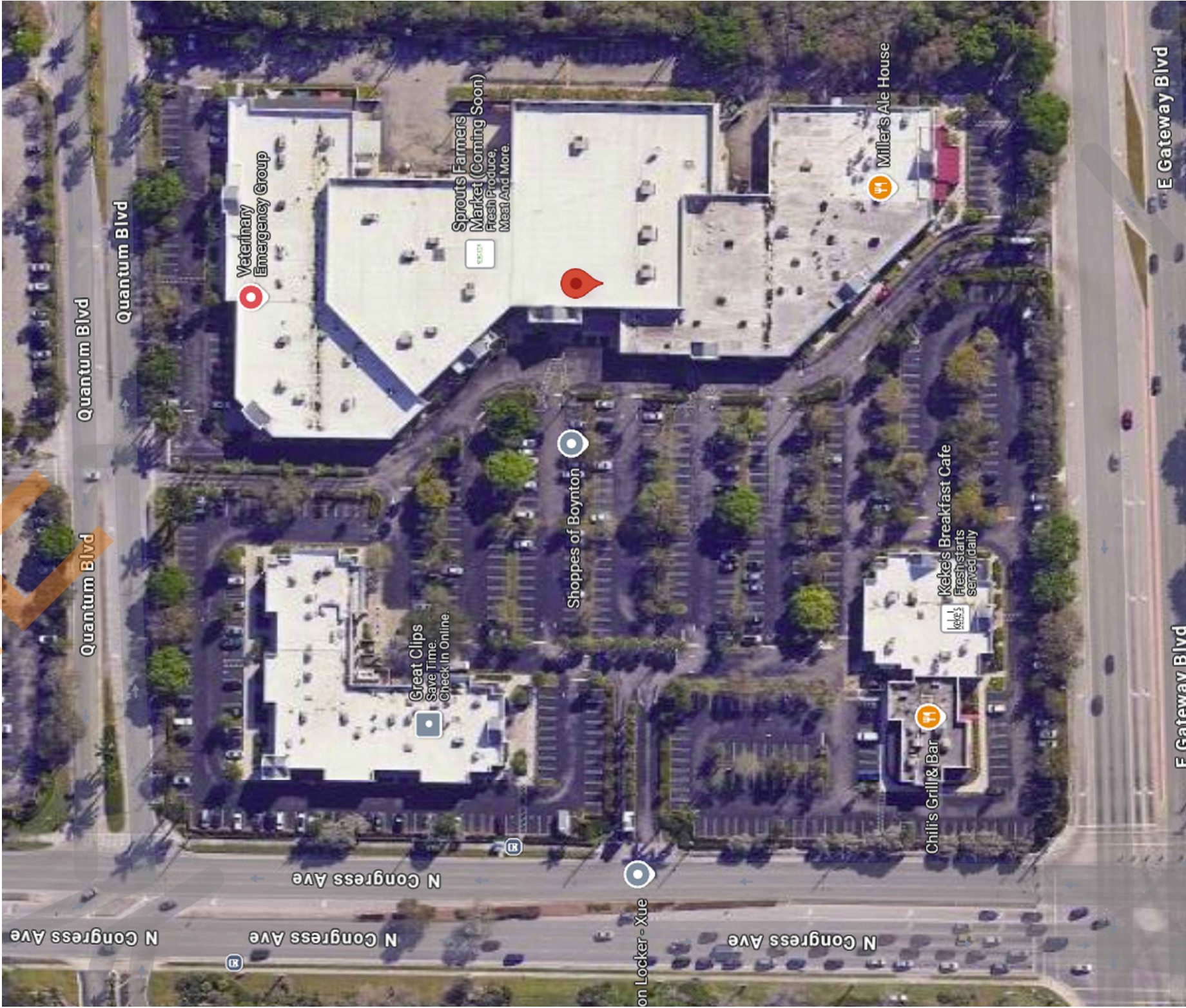
1.10. 2021 NFPA 72 NATIONAL FIRE ALARM.
2. FIRE SPRINKLER SYSTEM: BUILDING IS FULLY SPRINKLERED.
3. SCOPE OF WORK:440 SQ F.T. (FIRE RISER ROOM)
4. DESCRIPTION: SHELL BUILDING. TENANTS WILL APPLY FOR NEW PERMITS AND MODIFY THE SYSTEM TO THEIR SPECIFIC NEED BEFORE MOVING IN.
5. OCCUPANCY CLASSIFICATION AND LOAD:

5.1. TENANT A: JEWELRY/REALTY OFFICE STORE. 25 OCCUPANTS APPROX.

5.2. TENANT B: ALE HOUSE. 300 OCCUPANTS APPROX
6. CONSTRUCTION TYPE:II-B
7. SPRINKLER MONITORING SYSTEM CLASSIFICATION IS: CENTRAL STATION SERVICE.
8. SPRINKLER MONITORING SYSTEM TYPE IS: ADDRESSABLE.
9. ALL SPRINKLER MONITORING CIRCUITS TO BE CLASS B, POWER LIMITED.
10. VERIFY IN FIELD ALL DIMENSIONS. DO NOT SCALE THE DRAWINGS
11. ALL WORK SHALL BE OF HIGHEST QUALITY AND WORKMANSHIP.
12. NEW SPRINKLER MONITORING SYSTEM: THE NEW SPRINKLER MONITORING SYSTEM WILL MONITOR TWO (02) FIRE SPRINKLER RISER CONSISTING OF A WATER FLOW SWITCH AND CONTROL VALVE TAMPER SWITCH. THE WATERFLOW BEING MONITORED WILL ACTIVATE NOTIFICATION DEVICES UPON ALARM.
13. ALL DEVICES INSTALLED SHALL BE AS SPECIFIED IN THE DEVICE SCHEDULE, ANY INTENDED SUBSTITUTIONS SHALL FIRST BE SUBMITTED FOR REVISION AND APPROVAL.
14. INSTALLING CONTRACTOR SHALL VERIFY IN FIELD AND COORDINATE ANY INTERFERENCE WITH OTHER TRADES.
15. ALL ELECTRICAL CIRCUITS POWERING ANY AND ALL SPRINKLER MONITORING EQUIPMENT SHALL BE DEDICATED, SHALL HAVE A MEANS OF DISCONNECT EQUIPPED WITH A MECHANICAL LOCK-ON DEVICE, AND BE IDENTIFIED AS "SPRINKLER MONITORING CIRCUIT".
16. ALL CONTROL RELAYS SHALL BE LOCATED WITHIN 3' OF THE CONTROLLED DEVICE OR APPLIANCE.
17. ALL CONDUIT USED FOR SPRINKLER MONITORING SHALL BE DEDICATED FOR SPRINKLER MONITORING ONLY.
18. ALL CONDUIT AND CABLING INSTALLATION SHALL COMPLY WITH THE CURRENT NATIONAL ELECTRIC CODE N.F.P.A. 70.
19. ALL WALL, FLOOR AND CEILING PENETRATION SEALINGS SHALL BE RATED FOR THE SAME HOUR RATING AS THE WALL, FLOOR OR CEILING BEING PENETRATED.
20. ANY TWO OR MORE VISUAL NOTIFICATION APPLIANCES VISIBLE FROM THE SAME FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION.
21. SPRINKLER MONITORING SYSTEM WILL COMMUNICATE WITH CENTRAL STATION BY MEANS OF A CELLULAR COMMUNICATOR FOR THE PURPOSE OF FIRE DEPARTMENT NOTIFICATION.
22. ALL DEVICES INSTALLED IN WET LOCATIONS SHALL BE SUITABLE FOR SUCH AREA.
23. CENTRAL MONITORING STATION COMPANY: "CENTURY FIRE PROTECTION", LICENSE NUMBER: EF20001815, U.L.#S-7195-1, PH:954-772-1700, FAX:954-772-0500.

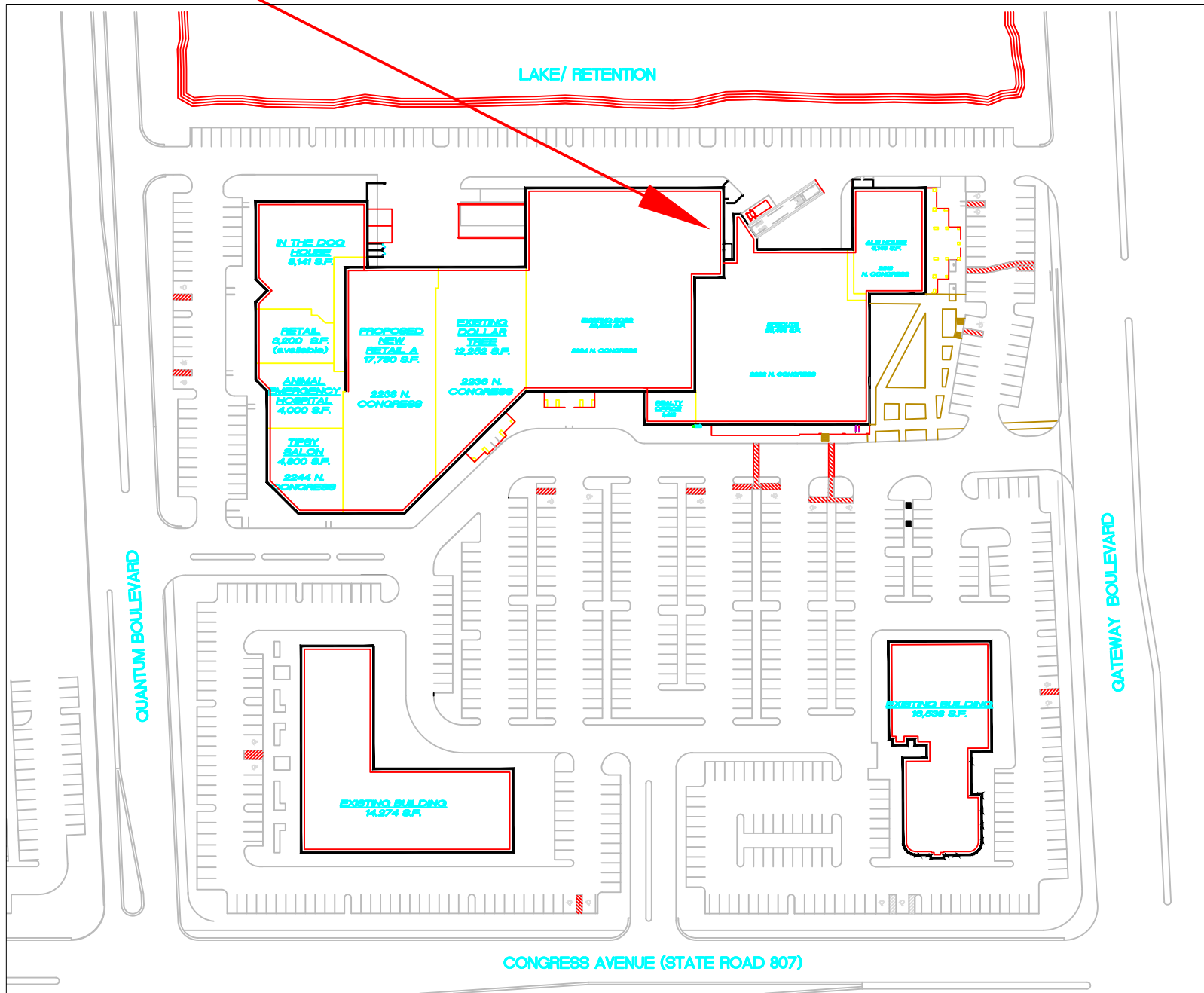
SCOPE OF WORK:

- INSTALL ALL ELECTRICAL BOXES, CONDUITS, SLEEVES AND, STUB UPS.
- INSTALL ALL CABLING.
- INSTALL ALL PANELS.
- SET ALL ADDRESSES AND INSTALL ALL INITIATING DEVICES SHOWN ON THE RISER AND FLOOR PLANS..
- SET ALL CANDELA/WATTS AND INSTALL ALL NOTIFICATION DEVICES SHOWN ON THE RISER AND FLOOR PLANS.
- PROGRAM AND TEST ALL PARTS OF THE SPRINKLER MONITORING SYSTEM TO FUNCTION AS SPECIFIED IN THE SEQUENCE OF OPERATION.
- DEMONSTRATE ALL PARTS OF THE SPRINKLER MONITORING SYSTEM WORK AS INTENDED DURING INSPECTIONS WITH AUTHORITY HAVING JURISDICTION.



02 LOCATION MAP
NOT TO SCALE

PROJECT LOCATION



03 SITE KEY PLAN
NOT TO SCALE

NOTES:

1. OUTPUT POWERING FDC AUDIBLE AND VISUAL NOTIFICATION APPLIANCE SHALL BE NON-SILENCEABLE.
2. THE FIRE MARSHALL HAS THE AUTHORITY TO MODIFY THIS SEQUENCE OF OPERATION WHEN CONSIDERED NECESSARY.
3. WHEN ANY OCCUPANT NOTIFICATION ALARM SILENCING SIGNAL MEANS ARE ACTUATED BOTH AUDIBLE AND VISUAL NOTIFICATION SHALL BE SIMULTANEOUSLY DEACTIVATED.
4. FDC AUDIBLE AND VISUAL NOTIFICATION APPLIANCE SHALL BE ACTIVATE UPON ACTIVATION OF FLOW SWITCH ONLY.
5. FDC AUDIBLE AND VISUAL NOTIFICATION APPLIANCE SHALL BE ACTIVATE AS LONG AS WATER IS FLOWING.
6. FDC AUDIBLE AND VISUAL NOTIFICATION APPLIANCE SHALL NOT BE CAPABLE OF BEING SILENCED FROM THE FACP.

SYSTEM INPUTS							EVENT PRIORITY							SYSTEM OUTPUTS						
01	MANUAL PULL STATION	X												X	X					
02	SMOKE DETECTOR SPOT TYPE	X												X	X					
03	SMOKE DETECTOR DUCT MOUNTED																			
04	WATERFLOW ALARM SWITCH	X												X	X					
05	VALVE TAMPER SWITCH																			
06	BACKFLOW VALVE	X												X	X					
07	KNOX BOX MONITORING													X	X					
08	SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT OPEN CONDITION													X	X					
09	SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT SHORT CIRCUIT CONDITION													X	X					
10	SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT GROUND FAULT CONDITION													X	X					
11	SPRINKLER MONITORING CONTROL PANEL LOSS OF POWER	X												X	X					

01 MATRIX OF OPERATION
N.T.S.

REVISION SCHEDULE

REV No:	DATE:	DESCRIPTION:	DRAWN BY:	REVIEWED BY:
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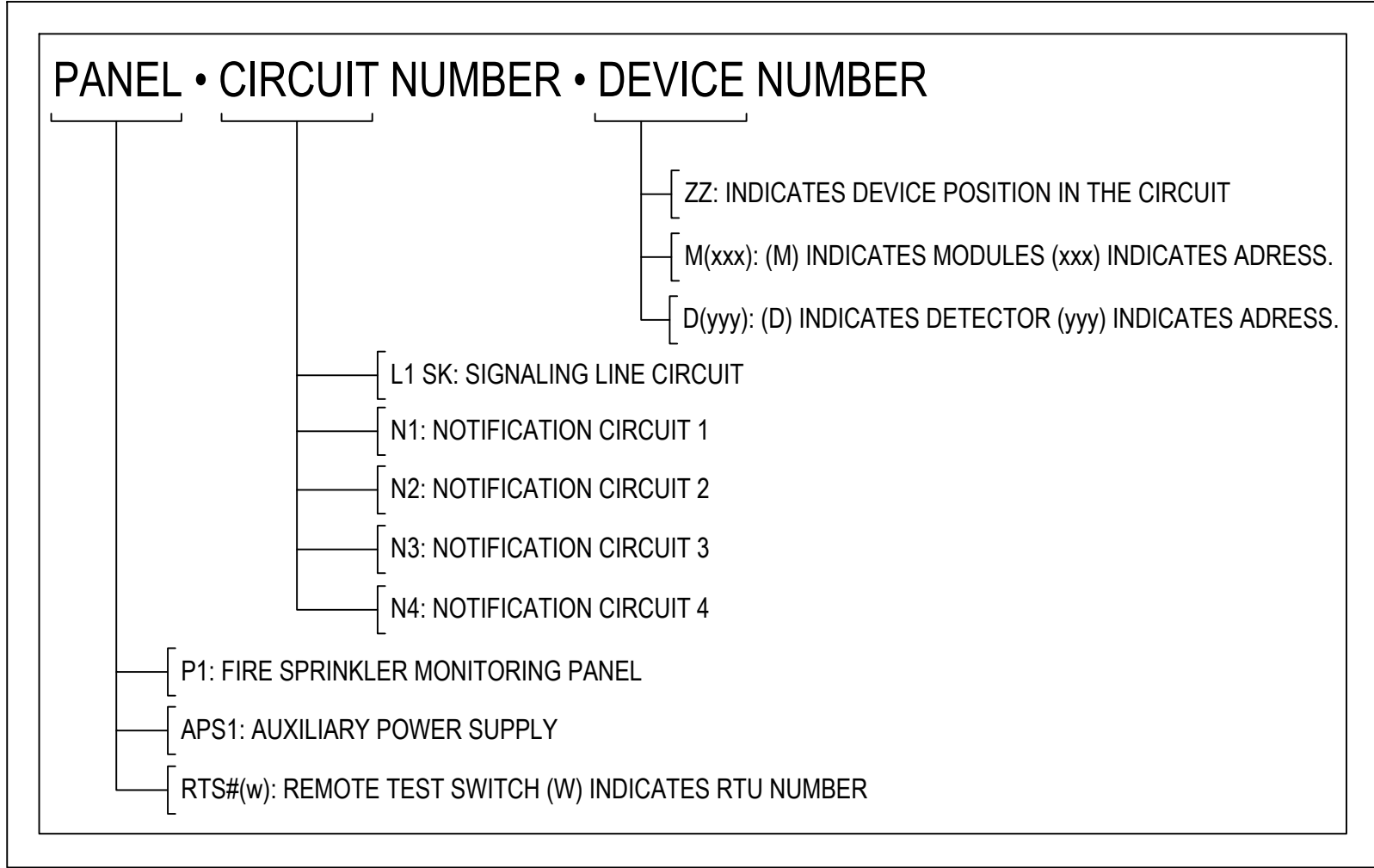
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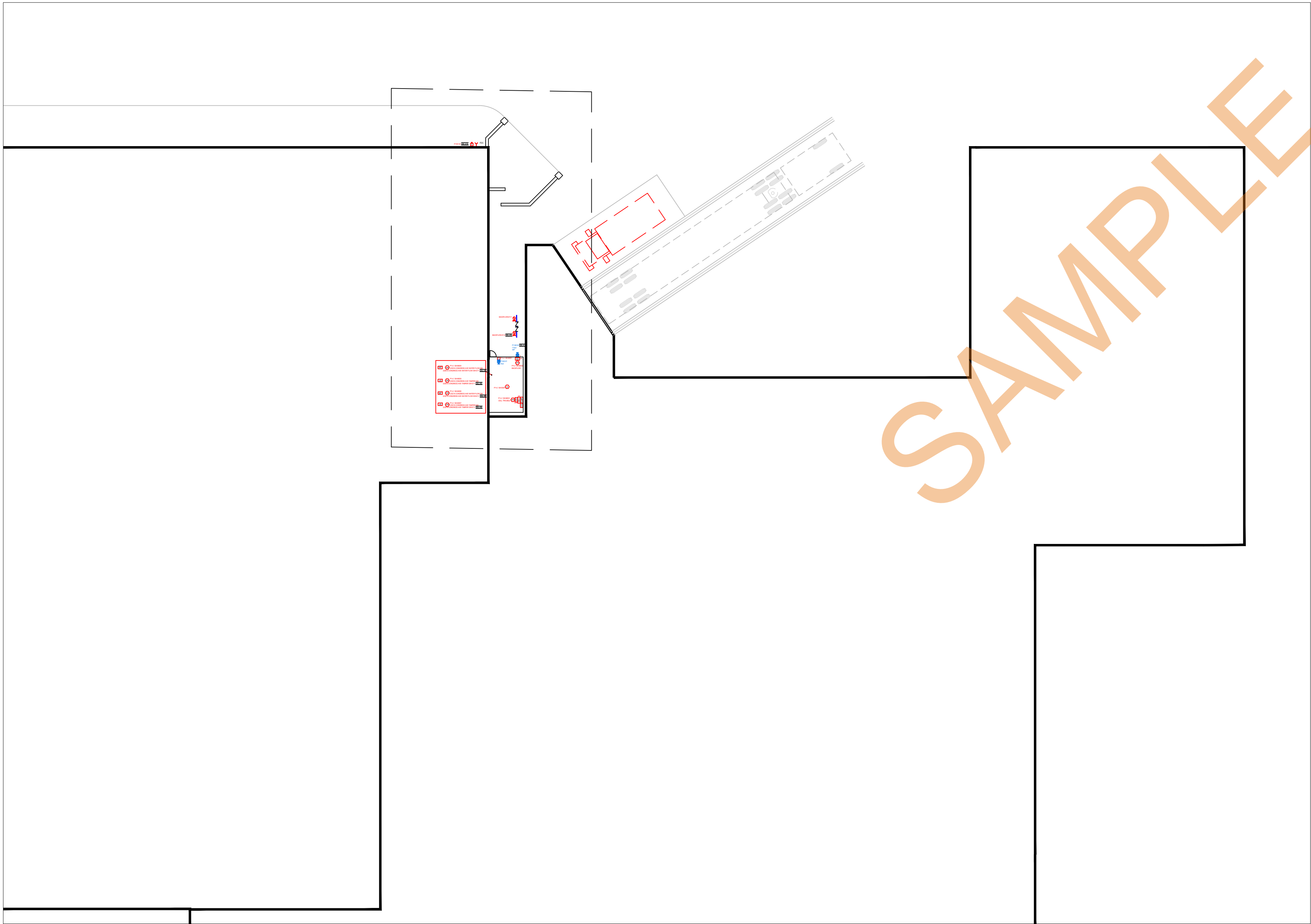
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DATE:	4/5/2025
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2228-2232 N CONGRESS AVE. BOWTOWN BEACH FL 33406

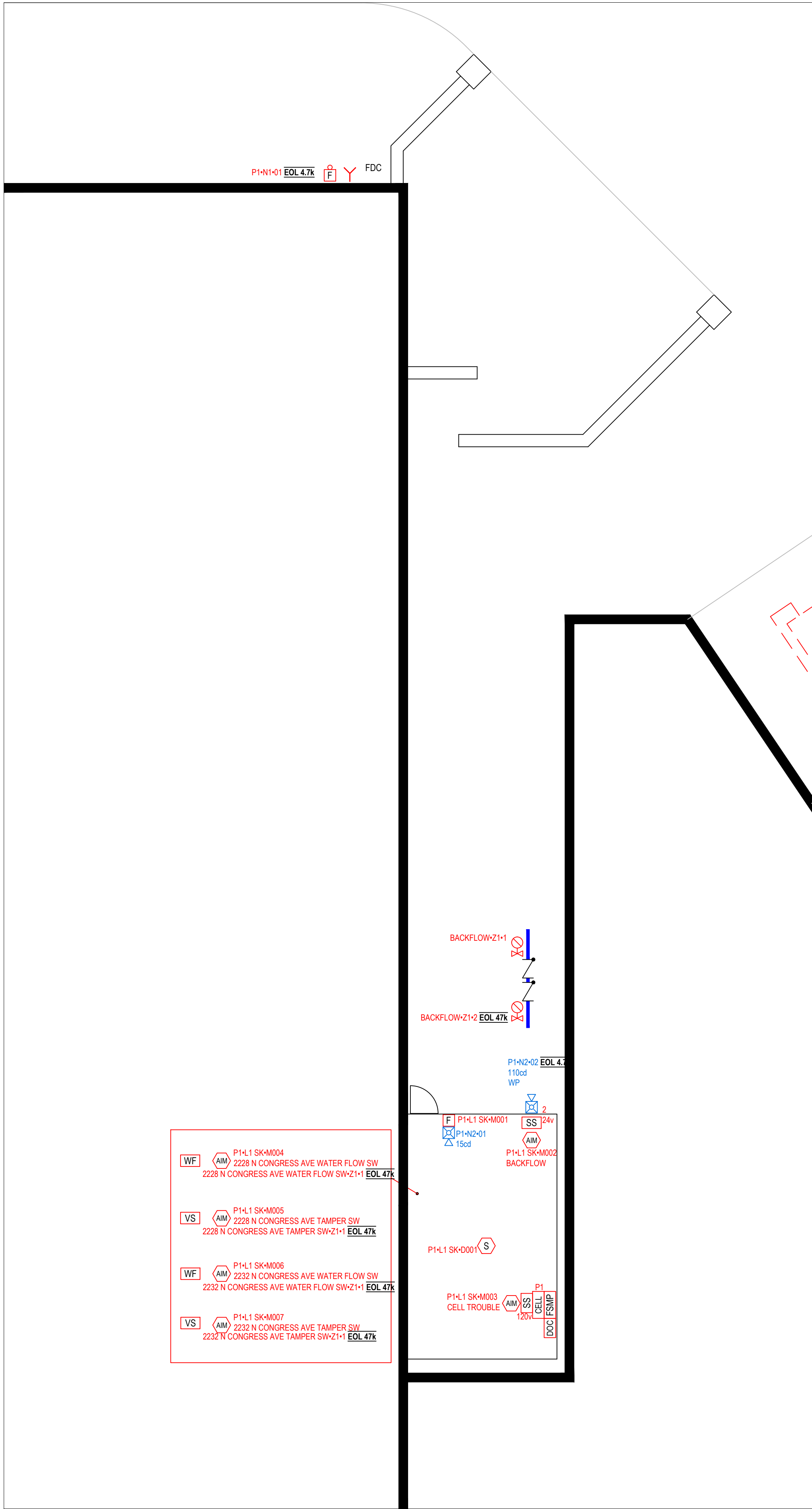
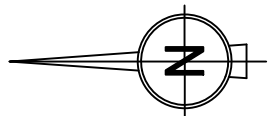
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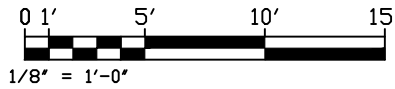
03 LABEL LEGEND
NTS



01 FIRE ALARM PLAN
1/8" = 1'-0"



02 FIRE ALARM ENLARGED PLAN
1/8" = 1'-0"



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





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












PANEL LOAD SUMMARY										STANDBY CURRENT (AMPS)		ALARM CURRENT (AMPS)		PANEL P1 (6808) SUMMARY REPORT					
PANEL COMPONENT SUMMARY					QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL								
					1	6808 Main Board	Main Board	1 x 0.19	= 0.19	1 x 0.25	= 0.25								
CIRCUIT SUMMARY					CIRCUIT														
					DACT1			1 x 0	= 0	1 x 0	= 0								
					L1 SK			1 x 0.00295	= 0.00295	1 x 0.03785	= 0.03785								
					N1			1 x 0	= 0	1 x 0.0535	= 0.0535								
					N2			1 x 0	= 0	1 x 0.129	= 0.129								
								TOTAL STANDBY CURRENT	0.19295	TOTAL ALARM CURRENT	0.47035								
CIRCUIT DETAILS AND CALCULATIONS										STANDBY CURRENT		ALARM CURRENT		POINT-TO-POINT VOLTAGE DROP CALCULATION SUMMARY					
SOURCE	MAX CAPACITY	TOTAL USED CAPACITY	AVAILABLE CAPACITY	CIRCUIT	AWG	SYMBOL	QTY	PART NO	DEVICE SETTING	CIRCUIT LENGTH	CIRCUIT RESISTANCE (Ω/ft)	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)	STARTING CALCULATION VOLTAGE	END OF LINE VOLTAGE	VOLTAGE DROP	
6808 Main Board				L1 SK	18		6	SK-MONITOR		132'	0.00777	6 x 0.0004	= 0.0024	6 x 0.0055	= 0.033				
							1	SK-PHOTO-W w/B300-6				1 x 0.0002	= 0.0002	1 x 0.0045	= 0.0045				
							1	SK-PULL-DA				1 x 0.00035	= 0.00035	1 x 0.00035	= 0.00035				
				N1	14		1	SSM24-10		50'	0.00307	1 x 0	= 0	1 x 0.0535	= 0.0535	20.4v	20.38v	0.02v	
				N2	14		1	P2GRKLED	110cd	100'	0.00307	1 x 0	= 0	1 x 0.094	= 0.094	20.4v	20.33v	0.07v	
							1	P2RLED	15cd			1 x 0	= 0	1 x 0.035	= 0.035				
SECONDARY POWER SOURCE REQUIREMENTS																			
										REQUIRED STANDBY TIME = 24 HOURS				PROVIDE (2) 12V 7AH BATTERIES @ 24VDC					
										REQUIRED ALARM TIME = 5 MINUTES									
										SECONDARY STANDBY LOAD		0.19295	x 24						= 4.63 AH
										SECONDARY ALARM LOAD		0.47035	x 0.08						= 0.04 AH
										STANDBY AND ALARM LOAD SUBTOTAL									4.67 AH
										DERATING FACTOR				x 1.25					
										SECONDARY LOAD REQUIREMENTS (AMP HOURS)					5.84 AH				

01 BATTERY CALCS
N.T.S.

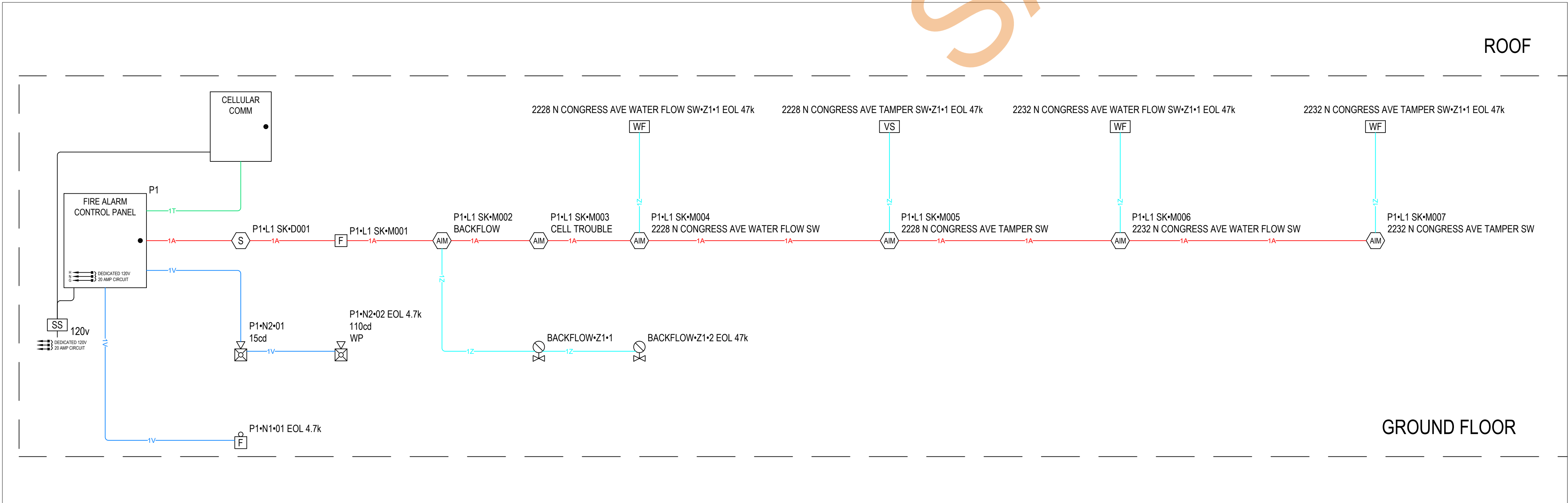
02 VOLTAGE DROP CALCS
N.T.S.

LABEL	PART NO	APPLICATION	RESISTANCE MFT	AWG	DESCRIPTION
A	18/2 FPLP/R	SLC	7.77	18	2 COND. SOLID COPPER FPLP/R ADDRESSABLE
T	RJ-11	RJ-11	16.14	22	4 COND. UNSHIELDED COMMUNICATIONS CABLE
V	14/2 FPLP/R	NAC	3.07	14	2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED
Z	18/2 FPLP/R	IDC	7.77	18	2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED

03 CABLE LEGEND
N.T.S.

DEVICE LEGEND				
SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
	1	SILENT KNIGHT	6808	INTELLIGENT FIRE ALARM CONTROL PANEL WITH COMMUNICATOR
	1	TEL GUARD	TG-7FS	COMMERCIAL FIRE CELLULAR ALARM COMMUNICATOR FOR LTE NETWORKS, TELCO
	6	SILENT KNIGHT	SK-MONITOR	MONITOR MODULE
	1	SILENT KNIGHT	SK-PULL-DA	DUAL ACTION PULL STATION
	1	SILENT KNIGHT	SK-PHOTO-W W/B300-6	WHITE, LOW-PROFILE PHOTOELECTRIC SENSOR W/BASE
	2	GENERIC	WATERFLOW SWITCH	EXISTING (BY OTHERS)
	2	GENERIC	VALVE TAMPER SUPERVISORY SWITCH	EXISTING (BY OTHERS)
	2	GENERIC	VALVE TAMPER SUPERVISORY SWITCH	EXISTING (BY OTHERS)
	1	SYSTEM SENSOR	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR
	1	SYSTEM SENSOR	P2RLED	2-WIRE, HORN STROBE, RED
	1	SYSTEM SENSOR	SSM24-10	ALARM BELL 10" 24VDC, RED
	1	DITEK	DTK-120HW	OVERVOLTAGE PROTECTOR CIRCUIT PROTECTION-120V
	2	DITEK	DTK-2MHLP24BWB	2 PAIR / 4 WIRE SURGE MODULE W/BASE FOR PIV, NAC, IDC ETC.
	1	SPACE AGE ELECTRONICS	SSU00689	FIRE ALARM DOCUMENT BOX


05 DEVICE LEGEND
N.T.S.



04 FIRE ALARM RISER DIAGRAM
N.T.S.

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CONTRACTOR:



1144 S CONGRESS AVE., PALM SPRINGS FL 33406
954-228-7539 Fax 954-482-0472

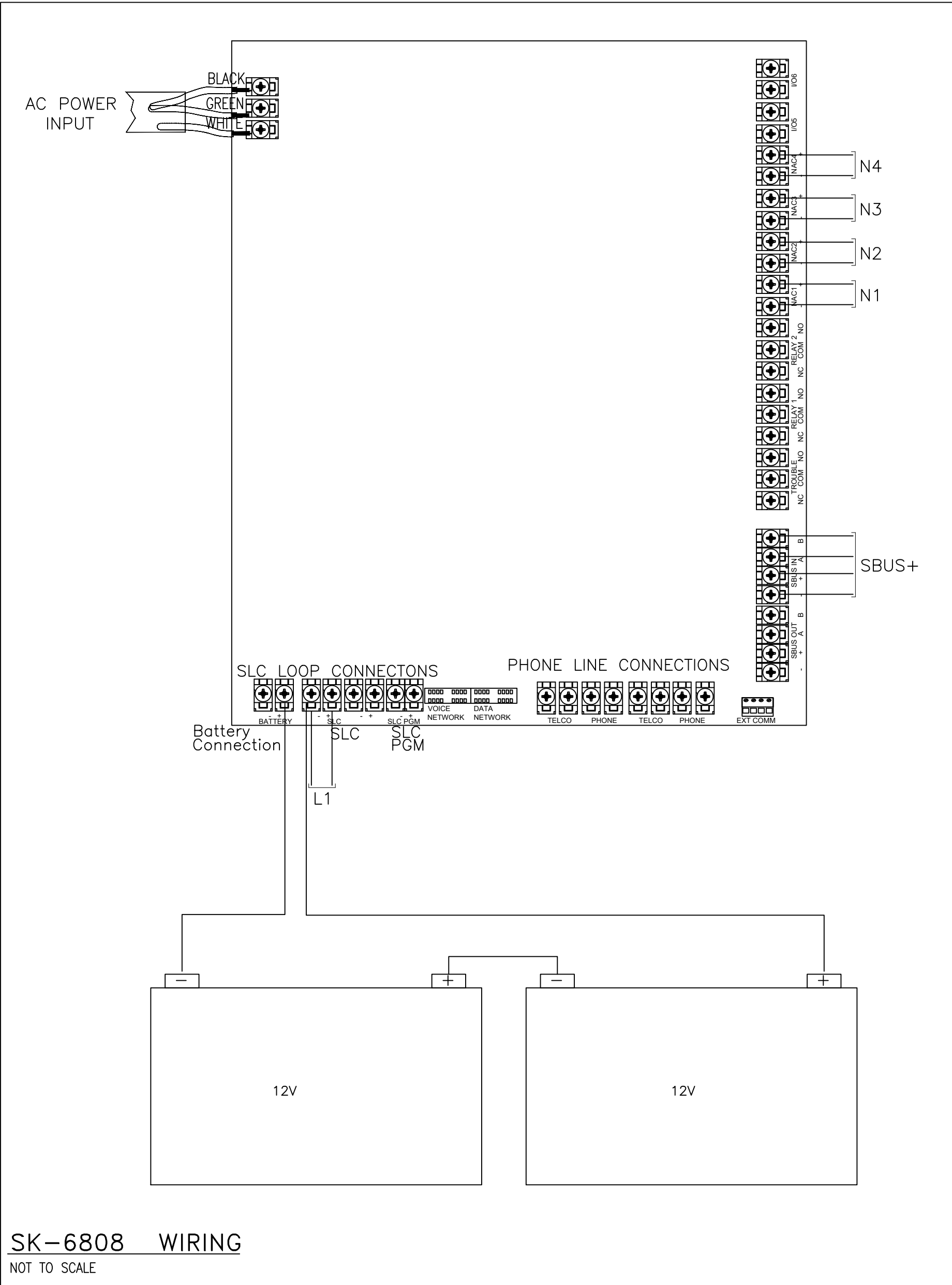
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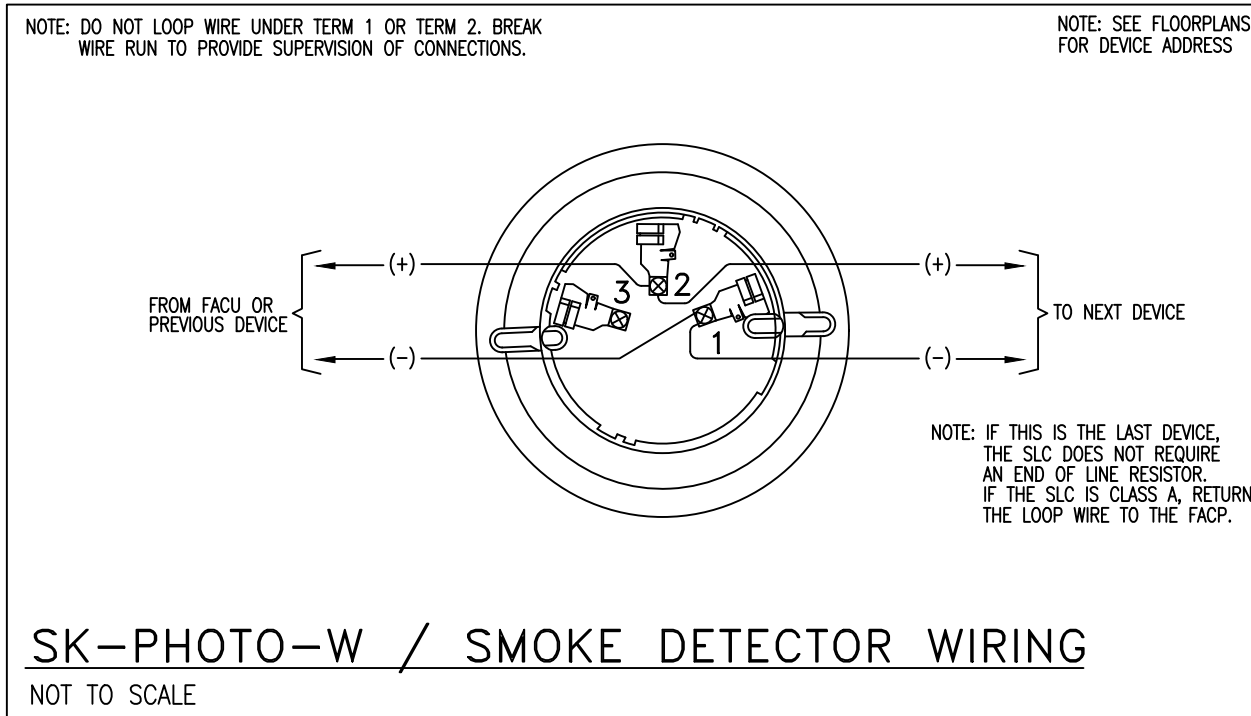
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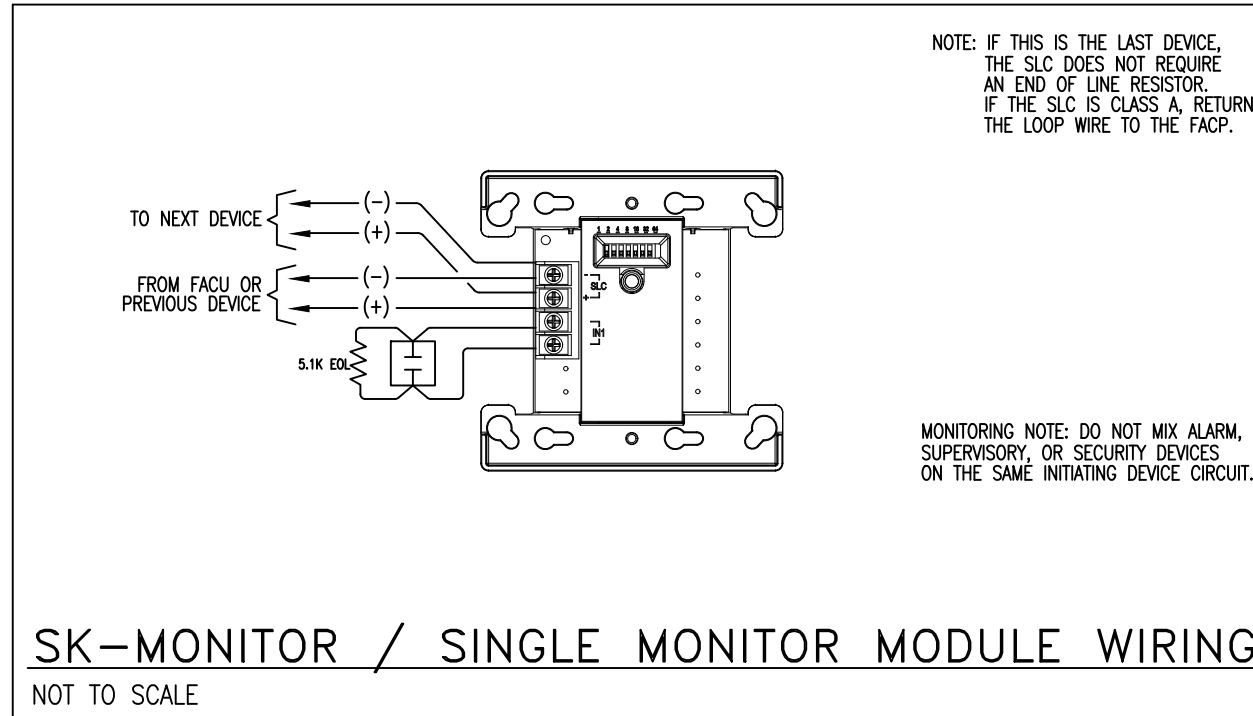
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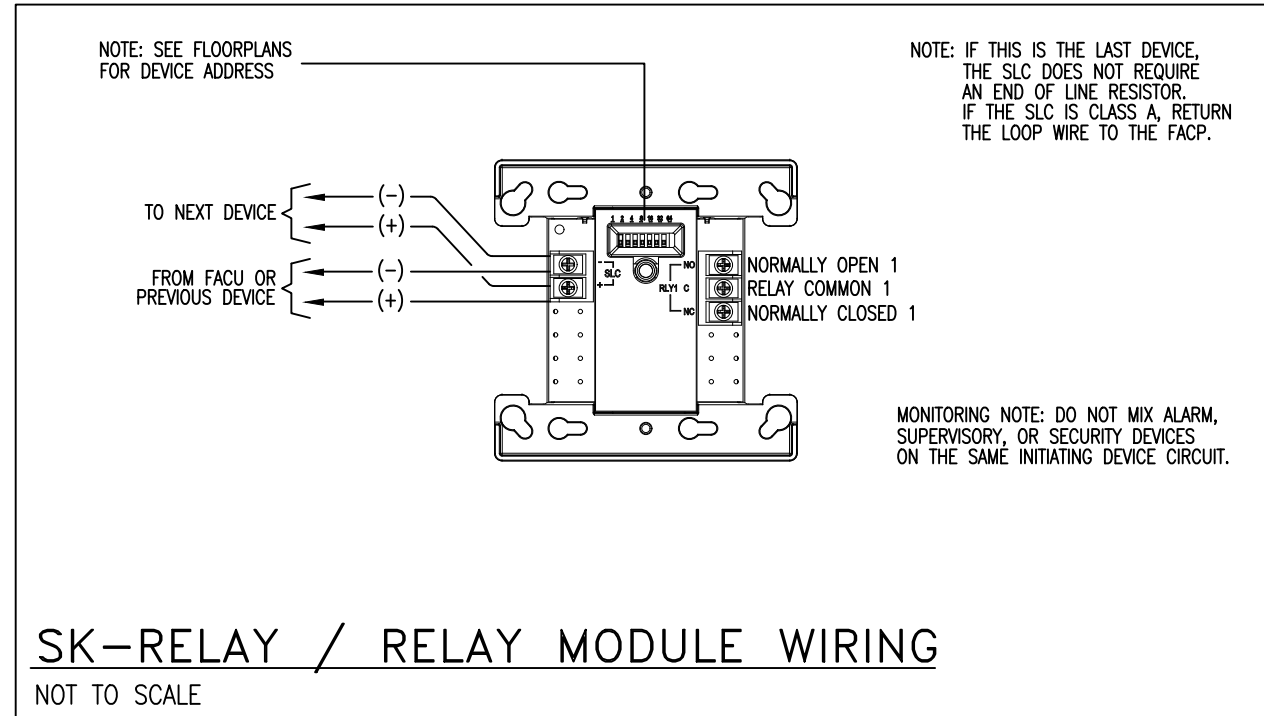
SK-6808 WIRING
NOT TO SCALE



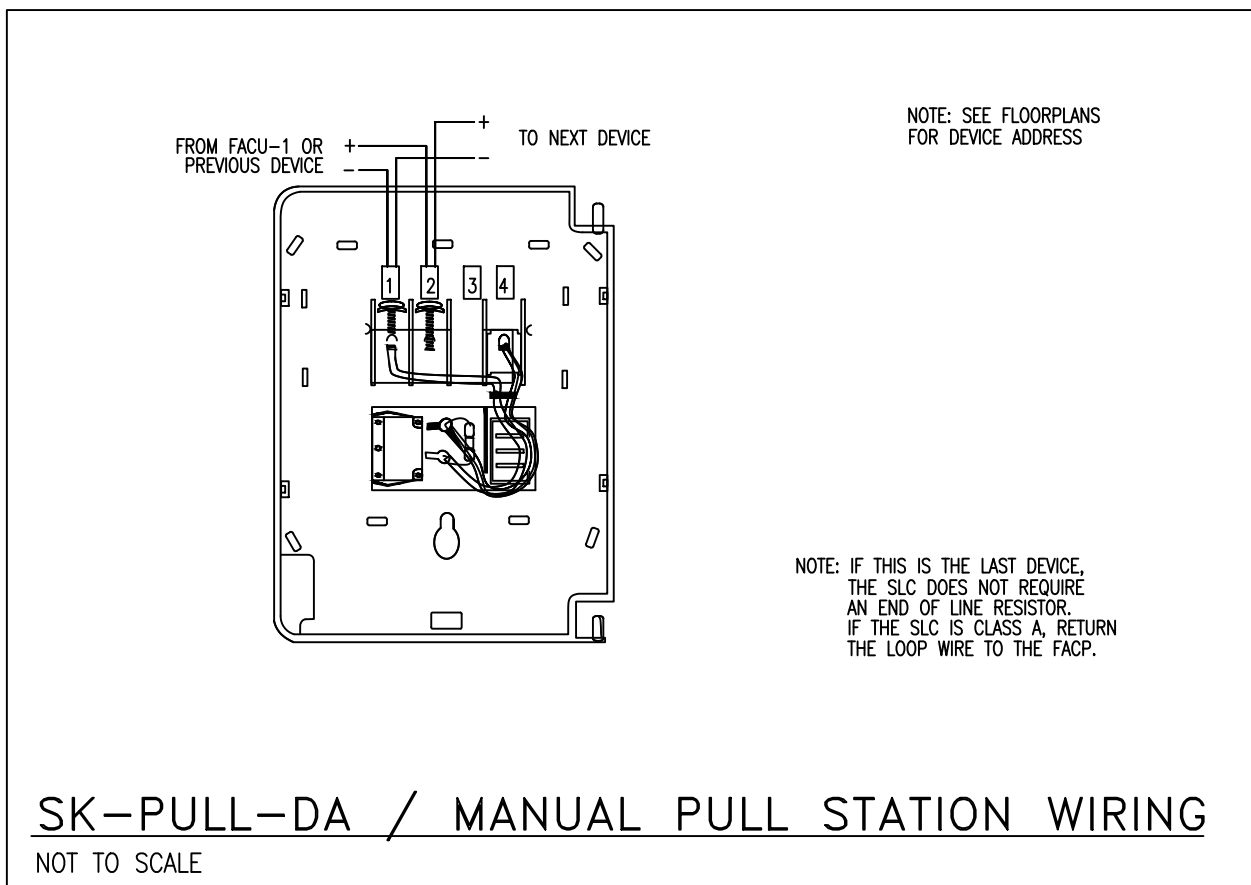
SK-PHOTO-W / SMOKE DETECTOR WIRING
NOT TO SCALE



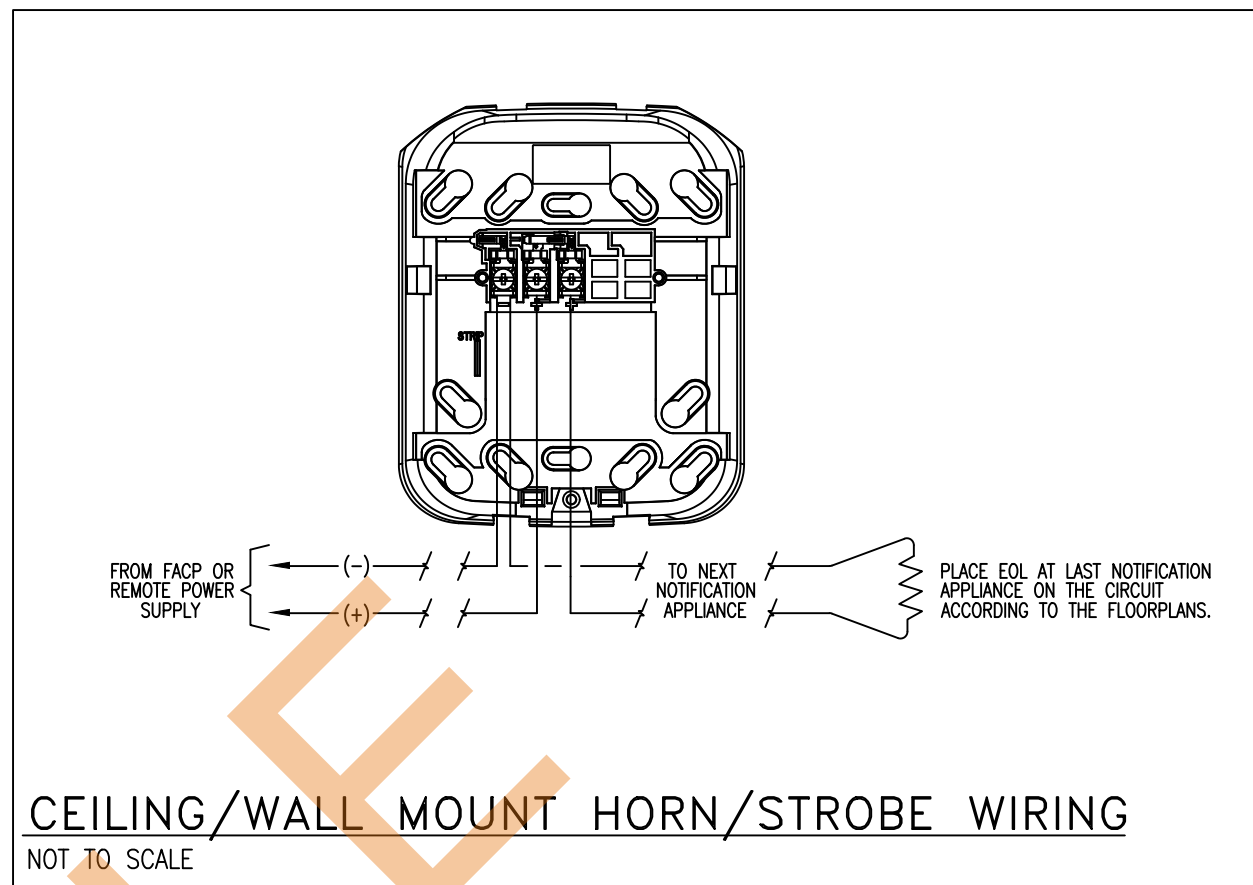
SK-MONITOR / SINGLE MONITOR MODULE WIRING
NOT TO SCALE



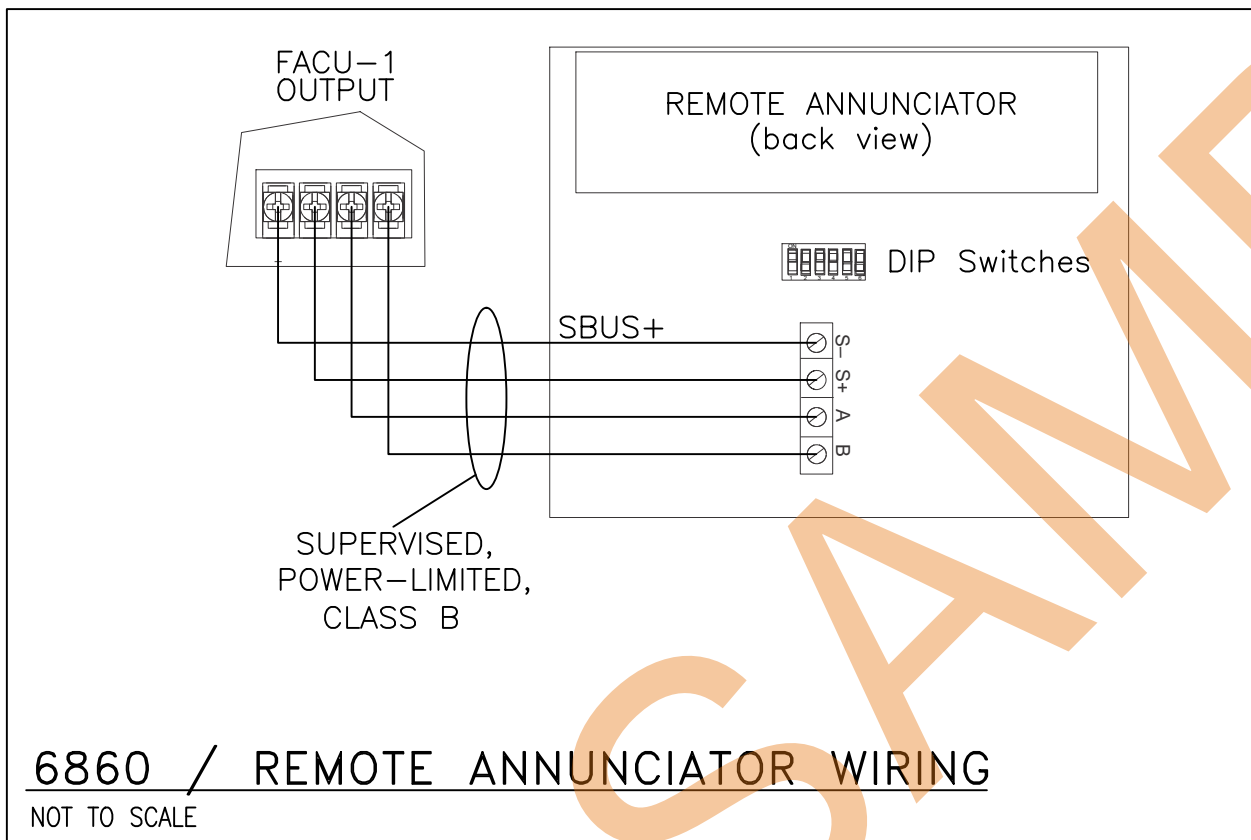
SK-RELAY / RELAY MODULE WIRING
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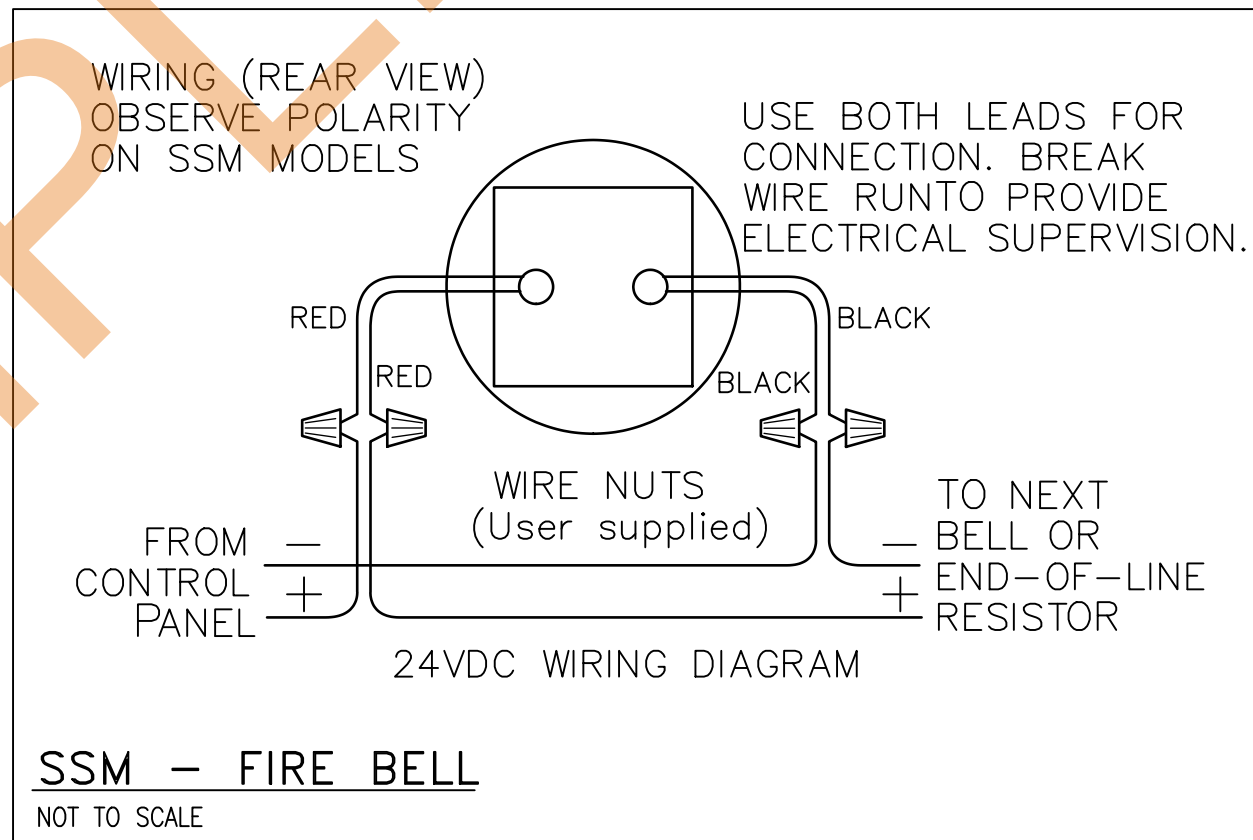
SK-PULL-DA / MANUAL PULL STATION WIRING
NOT TO SCALE



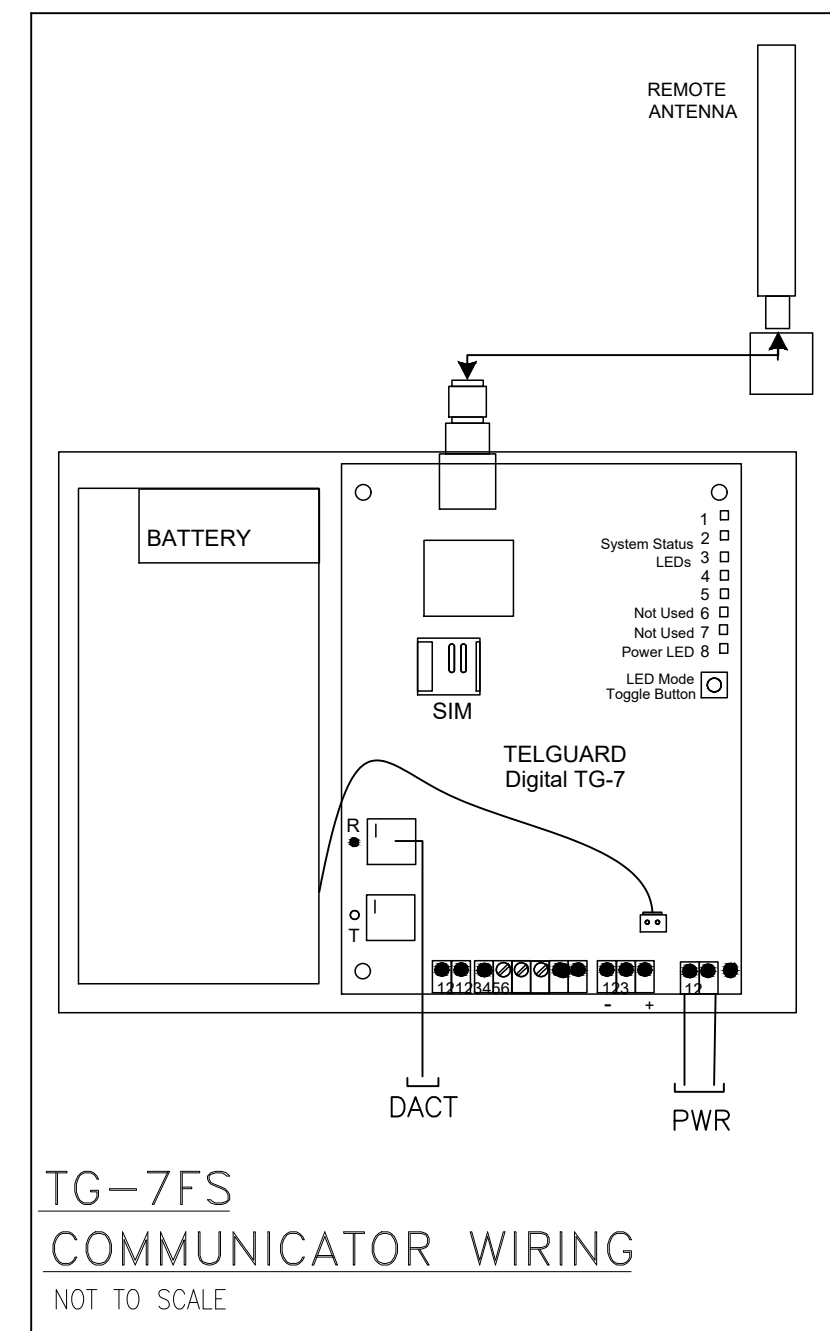
CEILING/WALL MOUNT HORN-STROBE WIRING
NOT TO SCALE



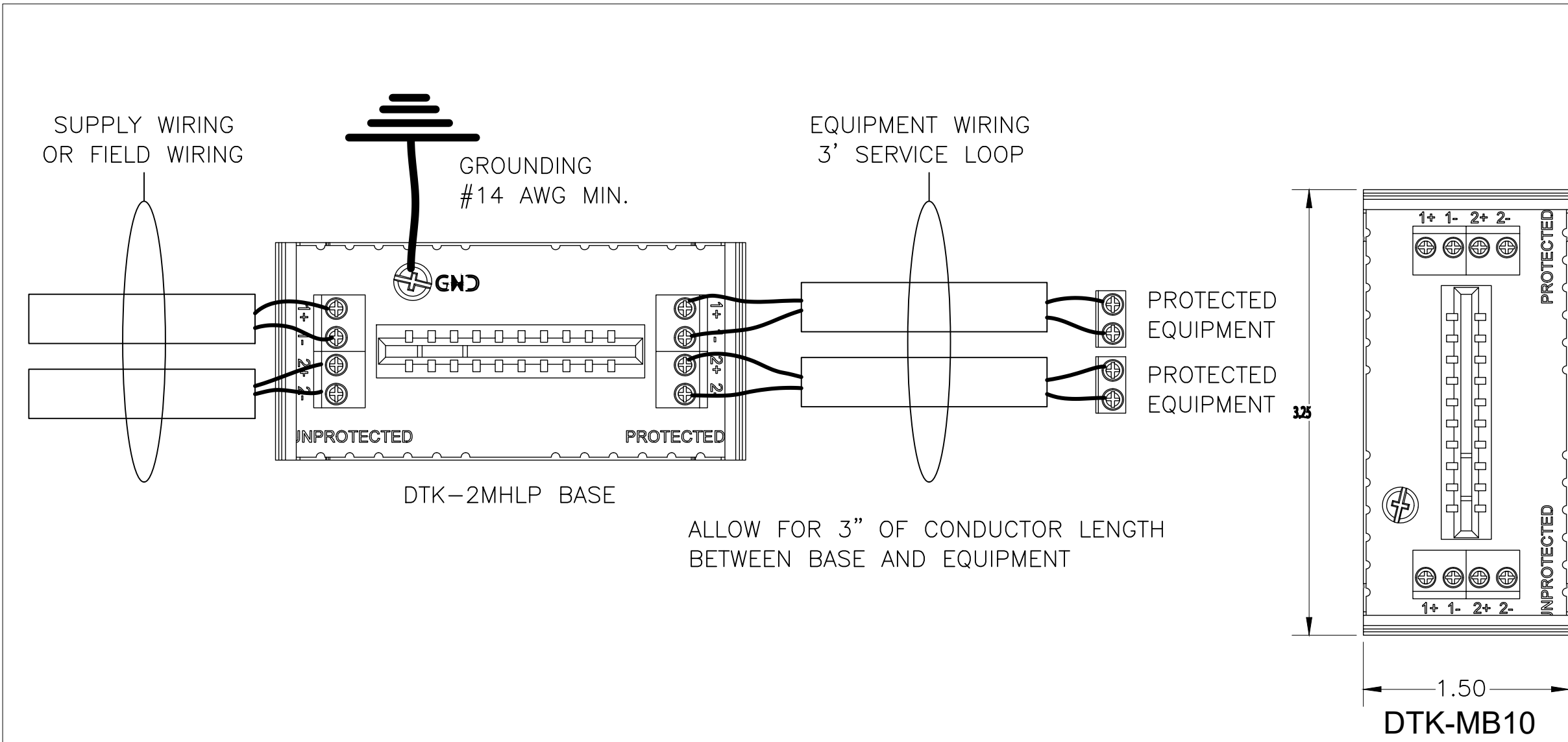
6860 / REMOTE ANNUNCIATOR WIRING
NOT TO SCALE



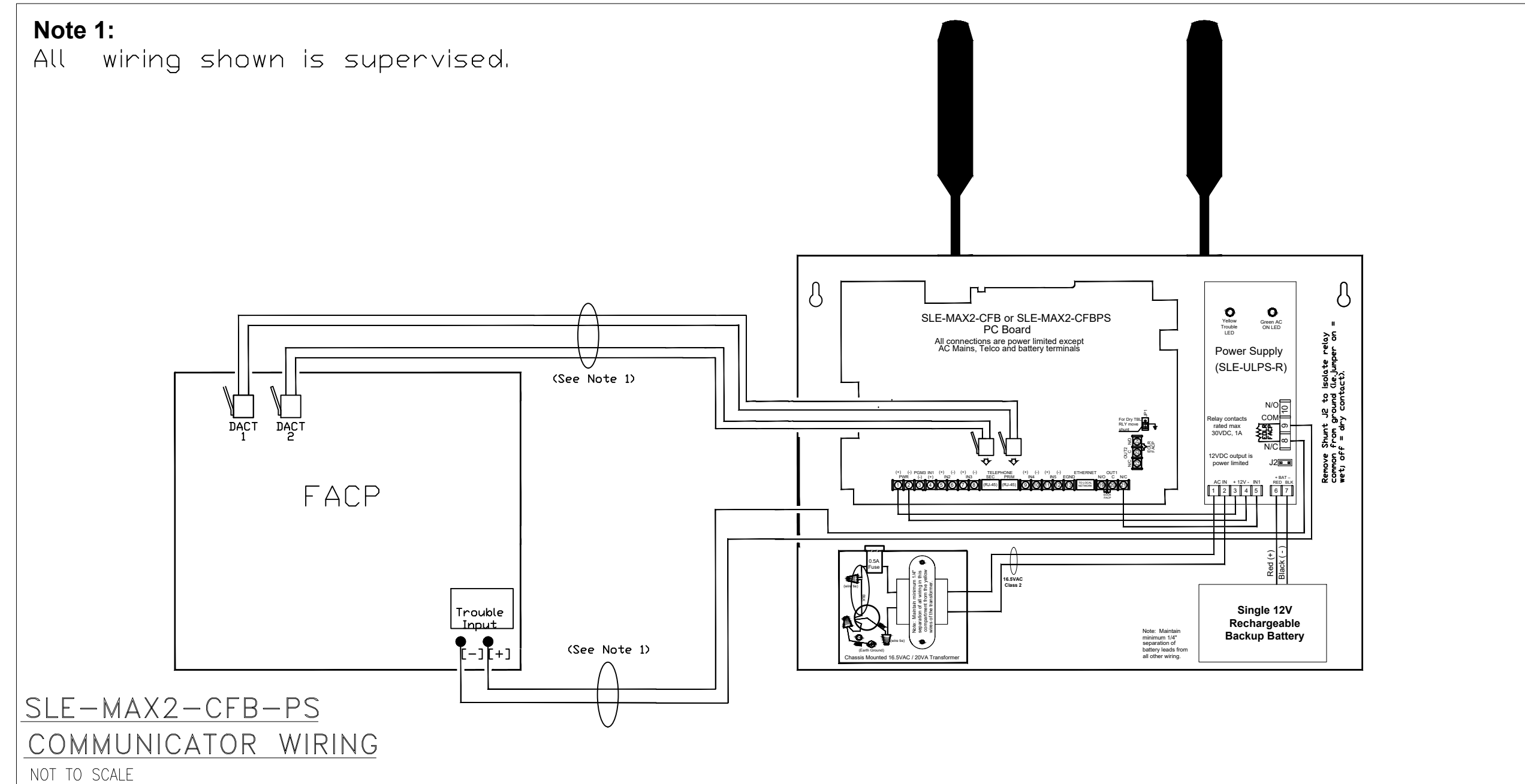
SSM - FIRE BELL
NOT TO SCALE



TG-7FS COMMUNICATOR WIRING
NOT TO SCALE



DTK-2MHP24BWB SURGE SUPPRESSOR WIRING
NOT TO SCALE



SLE-MAX2-CFB-PS COMMUNICATOR WIRING
NOT TO SCALE

NOTE; NOT ALL DIAGRAMS MAY NOT BE USED. CONFIRM DEVICE LIST

REVISION SCHEDULE				
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CONTRACTOR:

LEBS Electric

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954-228-7539 Fax 954-482-0472

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FA-04

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