DRC

PZ25-12000032
05/20/2026

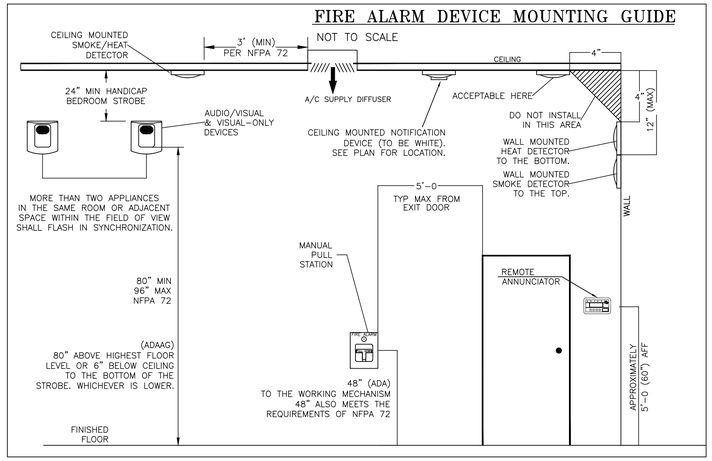
## SYSTEM OPERATION MATRIX

SYSTEM OUTPUTS

| SYSTEM INPUTS | CONTROL UNIT ANNUNCIATION | NOTIFICATION | REQUIRED FIRE SAFETY CONTROL |
|---|---|---|---|
| 1 MANUAL FIRE ALARM BOXES | ACTIVATION "COMMON ALARM" SIGNAL INDICATION | ACTIVATION "GENERAL ALARM" SIGNAL INDICATION | ACTIVATION "SUPERVISORY" SIGNAL INDICATION |
| 2 SMOKE DETECTORS | ACTIVATION "COMMON ALARM" SIGNAL INDICATION | ACTIVATION "GENERAL ALARM" SIGNAL INDICATION | ACTIVATION "SUPERVISORY" SIGNAL INDICATION |
| 3 HEAT DETECTOR | ACTIVATION "COMMON ALARM" SIGNAL INDICATION | ACTIVATION "GENERAL ALARM" SIGNAL INDICATION | ACTIVATION "SUPERVISORY" SIGNAL INDICATION |
| 4 FIRE ALARM SYSTEM LOW BATTERY | TROUBLE SIGNAL | | |
| 5 OPEN CIRCUIT | TROUBLE SIGNAL | | |
| 6 GROUND FAULT | TROUBLE SIGNAL | | |
| 7 NOTIFICATION APPLIANCE CIRCUIT SHORT | TROUBLE SIGNAL | | |
| 12 | | | |

## FIRE ALARM DEVICE MOUNTING GUIDE

NOT TO SCALE




## NEW FIRELITE ES50X BATTERY CALCULATIONS

F1

2.7 AMP MAXIMUM PANEL DRAW

| | CD | QTY | STANDBY PER DEV | TOTAL STANDBY | ALARM PER DEV | TOTAL ALARM |
|---|---|---|---|---|---|---|
| **MAIN** | N/A | 1 | 0.141 | 0.141 | 0.257 | 0.257 |
| **SD365 SMOKE DET** | N/A | 6 | 0.0002 | 0.0012 | 0.0045 | 0.027 |
| **BG12LX PULL STATION** | N/A | 2 | 0.00023 | 0.00046 | 0.00023 | 0.00046 |
| **S365 SMOKE DET** | N/A | 1 | 0.0002 | 0.0002 | 0.0045 | 0.0045 |
| **MMF301 MON. MODULE** | N/A | 1 | 0.0003 | 0.0003 | 0.0003 | 0.0003 |
| **SLE-MAX2-FIRE** | N/A | 1 | 0.085 | 0.085 | 0.325 | 0.325 |
| **I300 Fault Isolation Mod.** | N/A | 2 | 0.00045 | 0.0009 | 0.017 | 0.034 |
| **RTS151KEY** | N/A | 1 | 0 | 0 | MAX | 0.12 |
| **CRF-300 Control Relay** | N/A | 1 | 0.00023 | 0.00023 | 0.00023 | 0.00023 |
| | | | | | TOTAL INPUT | 1.13229 |
| **CIRCUIT #1 MAX 3.0 AMP** | | | | | | |
| PC2RLED HORNSTROBE | 95 | 6 | 0 | 0 | 0.092 | 0.552 |
| SCRLED STROBE | 15 | 1 | 0 | 0 | 0.018 | 0.018 |
| P2GRKLED HORNSTROBE WP | 75 | 1 | 0 | 0 | 0.087 | 0.087 |
| | | | | TOTAL CIRCUIT # 1 | | 0.657 |
| **CIRCUIT#2 MAX 3.0 AMP** | | | | | | |
| | | | | TOTAL CIRCUIT # 2 | | 0 |
| | | | | | | 0 |
| ( A ) TOTAL STANDBY: | | | 0.22906 | TOTAL AMPS | | 1.78929 |
| ( B ) STANDBY HOURS ( 24 OR 60 ): | | | 24 | | | |
| ( A ) x ( B ) = ( C ) ( C ) TOTAL STANDBY AMP HOURS : | | | 5.49744 | | | |
| ( D ) ALARM SOUNDING PERIOD IN MINUTES ( 5 OR 15 ): | | | 5 MINUTES = 0.083 HOURS | | | |
| TOTAL ALARM x .25 = ( E ) TOTAL ALARM AMP HOURS: | | | | 0.14851107 | | |
| ( F ) TOTAL ALARM + STANDBY AH: | | | | 5.64595107 | | |
| MULT. BY DERATING FACTOR x 1.2 | | | | 6.775141284 | | |
| QTY: (2)MINIMUM 7AH BATTERY PROVIDED | | | | | | |

## N.A.C. VOLTAGE DROP CALCULATIONS

DC RESISTANCE FOR SOLID COPPER WIRES AT 75 DEGREES -C

| SIZE | OHMS PER FOOT |
|---|---|
| 18 | 0.00777 |
| 16 | 0.00489 |
| 14 | 0.00307 |
| 12 | 0.00193 |
| 10 | 0.00121 |

VALUES TAKEN FROM 2020 NEC TABLE

FORMULA FOR CALCULATION OF VOLTAGE DROP IN DC 2 WIRE CIRCUITS

VD=R x 2 L x I

WHERE VD = VOLTAGE DROP AT THE LAST DEVICE ON THE CIRCUIT
"R" = RESISTANCE OF WIRE IN OHMS PER FOOT ( VALUES OF RESISTANCE FOR COPPER WIRE PER TABLE ABOVE) "I" = TOTAL CIRCUIT CURRENT IN AMPERES
" L" = LENGTH ONE WAY OF THE CIRCUIT IN FEET

STARTING VOLTAGE USED IN CALCULATIONS IS 20.4 PER U.L. & NFPA REQUIREMENTS

*( INFORMATION PROVIDED BY CUSTOMER)*

| | | |
|---|---|---|
| NAC #1 | WIRE SIZE | 14 |
| | R= | 0.00307 |
| | L= | 120 |
| | I= | 0.657 |
| | VD= | 0.48 |
| | VOLTAGE AT LAST DEVICE | 19.92 |
| | %OF VOLTAGE DROP | 2.37% |
| | ACCEPTABLE V - DROP | YES |
| NAC #2 | WIRE SIZE | 0 |
| | R= | #N/A |
| | L= | 0 |
| | I= | 0 |
| | VD= | #N/A |
| | VOLTAGE AT LAST DEVICE | #N/A |
| | %OF VOLTAGE DROP | #N/A |
| | ACCEPTABLE V - DROP | #N/A |
| NAC #3 | WIRE SIZE | 0 |
| | R= | #N/A |
| | L= | 0 |
| | I= | 0 |
| | VD= | #N/A |
| | VOLTAGE AT LAST DEVICE | #N/A |
| | %OF VOLTAGE DROP | #N/A |
| | ACCEPTABLE V - DROP | #N/A |
| NAC #4 | WIRE SIZE | 0 |
| | R= | #N/A |
| | L= | 0 |
| | I= | 0 |
| | VD= | #N/A |
| | VOLTAGE AT LAST DEVICE | #N/A |
| | %OF VOLTAGE DROP | #N/A |
| | ACCEPTABLE V - DROP | #N/A |

## SEQUENCE OF OPERATION:

UPON ACTIVATION OF ANY AUTOMATIC DETECTOR DEVICE THE FOLLOWING SHALL OCCUR:

1. ALL AUDIBLE NOTIFICATION DEVICES (HORN OR HORNSTROBE) WILL SOUND UNTIL THE SYSTEM IS SILENCED.
2. ALL VISUAL NOTIFICATION DEVICES (HORNS OR HORNSTROBE) WILL FLASH UNTIL SYSTEM IS SILENCED.
3. AN ALARM SIGNAL SHALL BE SENT TO THE FACP AND REMOTE ANNUNCIATOR: BEING INDICATED VIA AUDIBLE AND VISUAL LED.
4. A FIRE ALARM SIGNAL SHALL BE SENT TO A LISTED CENTRAL STATION VIA NEW STARLINK CELLULAR COMMUNICATOR.

UPON ACTIVATION OF ANY MANUAL PULL STATION THE FOLLOWING SHALL OCCUR.

1. ALL AUDIBLE AND VISUAL NOTIFICATION DEVICES (HORN OR HORNSTROBE) WILL SOUND UNTIL THE SYSTEM IS SILENCED.
2. ALL VISUAL NOTIFICATION DEVICES (HORNS OR HORNSTROBE) WILL FLASH UNTIL SYSTEM IS SILENCED.
3. AN ALARM SIGNAL SHALL BE SENT TO THE FACP AND REMOTE ANNUNCIATOR: BEING INDICATED VIA AUDIBLE AND VISUAL LED.
4. A FIRE ALARM SIGNAL SHALL BE SENT TO A LISTED CENTRAL STATION VIA NEW STARLINK CELLULAR COMMUNICATOR.

UPON ANY SYSTEM TROUBLE THE FOLLOWING SHALL OCCUR.

1. TROUBLE SIGNAL SHALL BE SENT TO THE FACP AND REMOTE ANNUNCIATOR, BEING INDICATED VIA AUDIBLE AND VISUAL LED.
2. TROUBLE SIGNAL SHALL BE SENT TO A LISTED CENTRAL STATION VIA NEW STARLINK CELLULAR COMMUNICATOR.

UPON ANY AC POWER LOSS OR BATTERY FAILURE THE FOLLOWING SHALL OCCUR:

1. THE FACP SHALL DISPLAY AC OR BATTERY FAILURE TROUBLE.

UPON ANY OPEN CIRCUIT, GROUND FAULT OR SHORT CIRCUIT IN ANY NOTIFICATION APPLIANCE CIRCUIT THE FOLLOWING SHALL OCCUR.

2. THE FACP SHALL DISPLAY THE CIRCUIT OR NAC IN TROUBLE

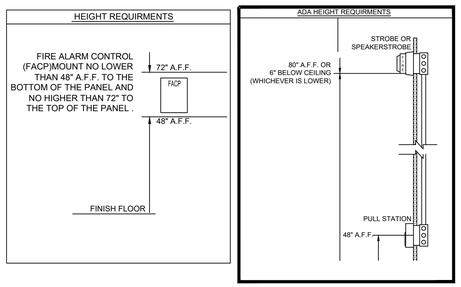
UPON ANY OPEN CIRCUIT OR GROUND FAULT IN ANY INITIATING DEVICE CIRCUIT THE FOLLOWING SHALL OCCUR.

3. THE FACP SHALL DISPLAY THE CIRCUIT IN TROUBLE

## FIRE ALARM LEGEND

| COUNT | SYMBOL | DEVICE TYPE | MODEL | MANUFACTURER |
|---|---|---|---|---|
| 1 | FACP | FIRE ALARM CONTROL PANEL ADDRESSABLE(NEW) | ES50X | FIRE-LITE |
| 1 | SDB | SYSTEM DOCUMENT BOX(NEW) | SSU00672 | Space Age Electronics |
| 1 | FAC | CELLULAR RADIO COMMUNICATOR(NEW) | SLE-MAX2-CFB | NAPCO STARLINK |
| 6 | S/P | SMOKE DETECTOR(EXISITNG) | S365 | SYSTEM SENSOR |
| 2 | F | PULL STATION(EXISTING) | BG12LX | FIRELITE |
| 2 | IM | FAULT ISOLATION MODULE | I300(A) | FIRE-LITE |
| 6 | H | HORNSTROBE CEILING MOUNTED(NEW) | PC2RLED | SYSTEM SENSOR |
| 1 | H | STROBE CEILING MOUNTED(NEW) | SRLED | SYSTEM SENSOR |
| 1 | SS1 | SURGE PROTECTOR COMMERCIAL POWER | DTK-120HW | DTK |
| 1 | MM | MONITOR MODULE | MMF-301 | FIRELITE |
| 1 | WP H | HORNSTROBE WALL MOUNTED(NEW) WEATHERPROOF | P2GRKLED | SYSTEM SENSOR |
| 1 | D | DUCT SMOKE DETECTOR(NEW) | D365 | SYSTEM SENSOR |
| 1 | CRF | CONTROL RELAY(NEW) | CRF-300 | FIRELITE |
| 1 | RTS | REMOTE TEST SWITCHES | RTS-151KEY | SYSTEM SENSOR |
| | H | HIGH DB SETTING | | |



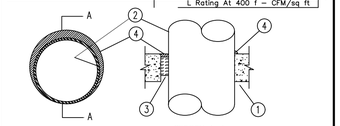




## System No. C-AJ-1149

CAN 1149

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Rating — 2 Hr | F Rating — 2 Hr |
| T Rating — 0 Hr | FT Rating — 0 Hr |
| L Rating At Ambient — Less Than 1 CFM/sq ft | FH Rating — 2 Hr |
| L Rating At 400 F — 4 CFM/sq ft | FTH Rating — 0 Hr |
| W Rating — Class 1 (See Item 4) | L Rating At Ambient — Less Than 1 CFM/sq ft |
| | L Rating At 400 F — CFM/sq ft |




1. Floor or Wall Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100–150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks *. Max diam of opening is 12 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The annular space shall be 0 in. (point contact) to max 1–1/4 in. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe – Nom 10 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Conduit – Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.
   C. Copper Tubing – Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.
   D. Copper Pipe – Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Packing Material — Min 3 in. thickness of min 4 pcf mineral wool batt insulation for nom 4 in. diam (and smaller) pipes, conduits or tubings and a min 4 in. thickness of min 4 pcf mineral wool batt insulation for pipe greater than nom 4 in. diam, firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
4. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. thickness of fill material applied within the annulus, flush with the top surface of floor or both surfaces of wall. At the point of contact location between pipe and concrete, a min 1/2 in. diam bead of fill material shall be applied at the concrete/pipe interface on the top surface of floor and on both surfaces of wall. W Rating applies only when CFS–S GG, CFS–S SIL SL (floors only), CP601S or CP604 sealant is used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC–CP601S, CP604, CFS–S SIL GG, CFS–S SIL SL (floors only), CP606 or FS–ONE Sealant

*Bearing the UL Classification Marking

HILTI Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. December 19, 2013

CLASSIFIED C UL US

Classified by Underwriters Laboratories Inc. to UL 1479 and CAN/ULC-S115

### STANDARD CODE REFERENCE

THE INSTALLATION OF THE FIRE ALARM SYSTEM SHALL COMPLY WITH ALL STANDARDS IN ACCORDANCE WITH FAC 61G15-32.008.

FLORIDA FIRE PREVENTION CODE (FFPC) 8TH EDITION.
FFPC 8TH EDITION(NFPA 101 2021).

INSTALLATION SHALL COMPLY WITH NFPA 1, 2021 APPLICABLE CHAPTERS.
INSTALLATION SHALL COMPLY WITH NFPA 101, 2021 APPLICABLE CHAPTERS.
INSTALLATION SHALL COMPLY WITH NFPA 72, 2019 APPLICABLE CHAPTERS.
INSTALLATION SHALL COMPLY WITH NEC 70, 2020 APPLICABLE CHAPTERS.
INSTALLATION SHALL COMPLY WITH (FBC) 2023 EDITION.
INSTALLATION SHALL COMPLY WITH THE FLORIDA ADMINISTRATIVE CODE.
INSTALLATION SHALL COMPLY WITH ARTICLE IV.
INSTALLATION SHALL COMPLY WITH MIAMI DADE COUNTY CODE CHAPTER 14-61.
THE DESIGN INSTALLATION COMPLIES WITH F.B.C. 2023 - 8TH EDITION.

### SCOPE OF WORK

1. INSTALL TEMPORARY PANEL WERE SHOWN ON FLOOR PLAN FOR CLUB HOUSE THAT HAD A A FIRE AND CONNECT TO EXISTING FIRE ALARM SYSTEM IN BLDG 6861. ALSO A NEW CELLULAR COMMUNICATOR WILL BE INSTALLED FOR COMMUNICATION TO CENTRAL STATION.
1. INSTALL TEMPORARY PANEL WERE SHOWN ON FLOOR PLAN FOR CLUB HOUSE THAT HAD A
2. SCOPE OF WORK AREA IS IN A SPRINKLERED BUILDING AND HAS A TOTAL AREA OF APPROXIMATELY: 6,854 SQ. FT PER FLOOR. THE NEW FIRE ALARM CONTROL PANEL IS ADDRESSABLE DIGITAL TYPE PANEL. SYSTEM WILL BE MONITORED.
3. FACP ROOM IS MECHANICALLY VENTILATED.
4. THE MAXIMUM HEIGHT OF CEILING IS UNDER 8'-0"AFF
5. FOR MAXIMUM LENGTH PER INDICATING CIRCUIT, SEE CIRCUIT CALCULATIONS.
6. THIS IS A EXISTING 3 STORY BUILDING .

FIRE ALARM SPECIFICATIONS:

1. ALL EQUIPMENT SHALL BE NEW U.L. LISTED, AND SHALL BE LISTED FOR USE AND COMPATIBLE.
2. THE INSTALLATION OF THE FIRE ALARM SYSTEM SHALL COMPLY WITH ALL REQUIREMENTS OF THE FLORIDA FIRE PREVENTION CODE 8th EDITION, N.F.P.A. 101(2021 EDITION) (LIFE SAFETY CODE) 2018 EDITION, N.F.P.A. ( UNIFORM FIRE CODE),2018 EDITION, N.F.P.A. 72 2019 EDITION. IN ADDITION, IT IS UNDERSTOOD THAT IF THE ITEM(S) IS OVERLOOKED IN THE PLAN REVIEW PROCESS AND DISCOVERD DURING THE FEILD INSPECTION IT MUST BE CORRECTED TO MEET THE ACTUAL CODE REQUIREMENT.
3. THE FIRE ALARM SYSTEM SHALL CONSIST OF A FIRE DETECTION CONTROL AND NOTIFICATION SYSTEM.
4. THE FIRE ALARM EQUIPMENT SHALL BE "POWER LIMITED" AND HAVE BATTERY BACK UP.
5. THE FIRE ALARM CONTROL PANEL SHALL BE INTELLIGENT AND HAVE STANDBY BATTERY BACKUP AS PER NFPA 72, (2019 EDITION) PROVIDING BATTERY POWER CAPACITY FOR THE ENTIRE SYSTEM TO OPERATE FOR 24 HOURS IN STANDBY MODE AND THE ENTIRE SYSTEM FOR 5 MINUTES IN THE ALARM MODE.
6. THE PRIMARY POWER SOURCE FOR THE FIRE ALARM SYSTEM SHALL BE CONNECTED TO A DEDICATED LOCKED CIRCUIT BREAKER.
7. CABLE TYPE, SIZE AND INSTALLATION REQUIREMENTS SHALL COMPLY WITH ARTICLE 760 OF NFPA 70, NATIONAL ELECTRICAL CODE (2020 EDITION) FOR POWER LIMITED FIRE PROTECTION SIGNALING CIRCUITS-WIRING METHODS AND MATERIALS.
8. MINIMUM CABLE SIZE - REFER TO WIRE LEGEND.
9. ALL WIRING AND CONDUIT TO CONFORM TO NFPA 70, NATIONAL ELECTRICAL CODE (2020 EDITION). WIRE SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAXIMUM OF 7 STRANDS FOR SIZES 16 AND 18AWG. STRANDED COPPER WITH A MAXIMUM OF 19 STRANDS.
11. ALARM NOTIFICATION APPLIANCES SHALL BE VISUAL, AUDIBLE-VISUAL AND/OR AUDIBLE TYPE.
12. AUDIBLE COMPONENTS SHALL BE HORNSTROBES, AND SHALL CONFORM WITH NFPA 72 (2019 EDITION). FOR LOCATION, SPACING AND AUDIBILITY REQUIREMENTS.
13. 16.5.4.1 WALL MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 IN. (2.03 M) AND NOT GREATER THAN 96 IN.(2.44 M) ABOVE THE FINISHED FLOOR OR AT THE MOUNTING HEIGHT SPECIFIED USING THE PERFORMANCE -BASED ALTERNATIVE OF 18.5.4.5.
14. THE LOCATION OF SMOKE DETECTORS SHALL BE SPECIFIED ON THE DRAWINGS. LOCATION AND SPACING SHALL BE IN CONFORMANCE WITH NFPA 72 (2019 EDITION)
15. MANUAL PULL STATIONS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 72 (2016 EDITION) AND THE FLORIDA FIRE PREVENTION CODE 6TH EDITION.
16. CONTRACTOR WILL MAKE ANY CORRECTIONS TO DRAWINGS TO REFLECT THE FIRE ALARM SYSTEM, AS FINALED. DEVICES SHOWN ON PLANS MAY NEED TO BE RELOCATED DUE TO ACTUAL BUILDING DESIGN.
17. CIRCUIT POLARITY MUST BE OBSERVED.
18. CONDUIT, IF REQUIRED, SHALL BE NO MORE THAN 40% FILL, PER NFPA 70, NATIONAL ELECTRICAL CODE (2020 EDITION).
19. THE FIRE ALARM PANEL(S) SHALL NOT BE USED TO POWER ANY UNAUTHORIZED EXTERNAL DEVICES.
20. ALL FIRE STOP PENETRATIONS SHALL BE SEALED WITH A UL APPROVED FIRESTOP MATERIAL. (SEE FIRESTOP DETAIL)
21. THE FIRE ALARM PANEL MUST HAVE AN EARTH GROUND CONNECTION AS PER MANUFACTURER'S RECOMMENDATIONS AND ARTICLE 760 OF NFPA 70, NATIONAL ELECTRICAL CODE (2020 EDITION). MINIMUM WIRE SIZE IS 14 AWG FOR GROUND CONNECTION. (NOTE: PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE.)
22. ALL SURGE/TRANSIENT SUPPRESSERS MUST BE CONNECTED TO BUILDING OR COLD WATER GROUND.
23. FIRE ALARM RISER CIRCUITS SHALL BE CLASS "B".
24. A BREAK IN ANY FIELD WIRING OR GROUNDING OF ANY CONDUCTOR WILL RESULT IN THE ACTIVATION OF THE FIRE ALARM CONTROL PANEL(S) "TROUBLE" SIGNAL WHICH WILL PRODUCE AN AUDIBLE AND VISIBLE ANNUNCIATION AT THE PANEL.
25. THE 120-VAC POWER FEED FOR THE FIRE ALARM PANELS AND POWER SUPPLIES MUST BE FROM A DEDICATED EMERGENCY PANEL BREAKER AND THE BREAKER SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT", AS PER NFPA 72 (2019 EDITION).
26. THE FIRE ALARM SYSTEM SHALL BE MONITORED OFF-PREMISE BY A UL LISTED CERTIFICATED CENTRAL STATION IN ACCORDANCE WITH NFPA 72 (2019 EDITION)
27. CELLULAR RADIO LINES SHALL BE PROVIDED TO THE FIRE ALARM COMMUNICATOR FOR PURPOSES OF MONITORING THE FIRE ALARM SYSTEM. CELLULAR COMMUNICATOR SHALL BE CONNECTED IN CONFORMANCE WITH NFPA 72, (2019 EDITION)
28. PUBLIC MODE AUDIBLE REQUIREMENTS: TO ENSURE THAT AUDIBLE PUBLIC MODE SIGNALS ARE CLEARLY HEARD,THEY SHALL HAVE A SOUND LEVEL AT LEAST 15DB ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5DB ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER. MEASURED 5ft(1.5M) ABOVE THE FLOOR IN THE AREA REQUIRED TO BE SERVED BY THE SYSTEM USING THE A-WEIGHTED SCALE(dBa).
29. ALL EQUIPMENT SHALL BE INSTALLED IN CONFORMITY OF THE LIFE SAFETY CODE (2021 EDITION)
30. THE DESIGN INSTALLATION COMPLIES WITH THE FBC 2023.
31. BUILDING IS EXISTING.
32. ROOM CONTAINING FACP AND/OR BOOSTER POWER SUPPLY PANEL(S) IS MECHANICALLY VENTILATED. IF APPLICABLE.
33. TYPE OF OCCUPANCY IS: BUSINESS.
34. EXISTING BUILDING IS NOT SPRINKLED.
35. THIS FIRE ALARM SYSTEM IS A NEW CENTRAL STATION SERVICE FIRE ALARM SYSTEM IN ACCORDANCE WITH MIAMI DADE COUNTY CODE SECTION 14-61 (I).
36. THE FIRE ALARM SYSTEM IS MONITORED BY A NEW STARLINK CELLULAR COMMUNICATOR.
37. A WEATHERPROOF SIGN WITH 2 INCH HIGH LETTERS WILL BE POSTED AT MAIN ENTRANCE WITH THE WORDING "FIRE ALARM CALL 911".
38. THE NEW FIRE ALARM PANEL IS POWERED FROM A DEDICATED ELECTRICAL CIRCUIT PROTECTED WITH A BREAKER LOCK. FIRE ALARM CONTROL PANEL HAVE ELECTRICAL AND CIRCUIT NUMBERS LABLED ON THE DOOR ALSO AT ELECTRICAL PANEL A RED MARKING NEXT TO THE CIRCUIT BREAKER READ "FACP" ON THE ELECTRICAL PANEL'S DIRECTORY.
39. THE PRIMARY POWER FOR THE CELLULAR COMMUNICATOR WILL POWERED FROM A DEDICATED CIRCUIT IN ACCORDANCE WITH NFPA 72. 10.6.5.1.2.
40. THE PRIMARY POWER FOR THE CELLULAR COMMUNICATOR WILL BE PROTECTED FROM UNAUTHORIZED DISCONNECTION BY THE WIRE BEING IN CONDUIT FROM FACP TO THE CELLULAR COMMUNICATOR.
41. UPON COMPLETION OF THE INSTALLATION A "CERTIFICATE OF COMPLETION" SHALL BE PROVIDED TO THE CUSTOMER AND THE LOCAL AUTHORITY HAVING JURISDICTION.
42. THE LOGBOOK WILL BE PROVIDED WITH A COPY OF THE INSTALLATION MANUAL, EQUIPMENT SUBMITTALS, RECORDS , DRAWINGS AND CENTRAL STATION INFORMATION AT TIME OF ACCEPTANCE TEST WITH MIAMI DADE COUNTY FIRE RESCUE DEPARTMENT.
43. SIGNALING SERVICE (CENTRAL STATION) INFORMATION, PHONE NUMBER, ACCOUNT NUMBER , AND PASSCODE SHALL BE LABELED AT FACP DOOR.
44. THIS FIRE ALARM SYSTEM IS AN ADDRESSABLE SYSTEM WITH HORNSTROBES AND STROBE NOTIFICATION.

# FIRE ALARM DETAILS-NOTESBATTERY CALCS

3/32"=1'-0"


BOUKZAM P.E CONSULTING, INC.
ELECTRICAL * MECHANICAL * PLUMBING *
FIRE PROTECTION * 40-YEAR INSPECTIONS
ANDREW BOUKZAM
10532 EL PARAISO PL, DELRAY BEACH, FL 33446
EMAIL: ANDREWBOUKZAM@GMAIL.COM
PH.561-350-1539 P.E # 98800


REVISIONS

THE NEW AUTO TOY STORE
941 S.W. 8TH STREET
POMPANO BEACH, FLORIDA 33069

DRAWING TYPE

FIRE ALARM NOTES-DETAILS

SEAL

ANDREW R BOUKZAM LICENSE No. 98800 and the Seal/Logo STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Andrew R Boukzam
Date: 2026.04.10 15:53:37 -04'00'

CROSS COUNTRY FIRE AND SECURITY
NORTH PH: 561-562-1344
License# : 200001697
9200 MELODY RD.
LAKEWORTH FL. 33467

DATE: 04/10/26

APPROVED BY

SCALE: 3/32"=1'-0"

DRAWN BY K.F.R.

CHECKED BY

SHEET 2 OF 2