

FIRE ALARM NOTES

- 1-FIRE ALARM SYSTEM SHALL BE U.L. LISTED AND NFPA 72 APPROVED AND COMPATIBLE.
- 2-RISER INTERCONNECTIONS ARE DIAGRAMMATIC ONLY.
- 3-TOTAL ACTIVE AREA:
BLDG. 400 -- 12,946 SQ. FT.
MUSIC/DANCE -- 2,868 SQ. FT.
GYMNASIUM -- 22,981 SQ. FT.
CAFETERIA -- 5,852 SQ. FT.
BLDG. 100 -- 38,587 SQ. FT.
ADMIN (SMALL BLDG.) -- 2,035 SQ. FT.
BLDG. 200 (LIBRARY) -- 6,846 SQ. FT.
BLDG. 200 (CLASSRM.) -- 7,676 SQ. FT.
PORTABLES (CLASSRM.) -- 10,965 SQ. FT.
ACADEMY BUILDING (CLASSROOM) -- 21,575 SQ. FT.
- 4-FIRE ALARM SYSTEM TO BE "POWER LIMITED".
- 5-THE INSTALLATION SHALL COMPLY WITH NFPA 70 CHAPTER 760
- 6-ALL WIRING AND CONDUIT SIZE SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION, LOCAL CODES AND NFPA.
- 7-ALL CONDUCTORS SHALL BE SOLID OR STRANDED COPPER.
- 8-MAXIMUM CONDUIT FILLS TO BE 40% MINIMUM RACEWAY SIZE 1/2".
- 9-SYSTEM SHALL BE GROUNDED ACCORDING TO MANUFACTURER SPECIFICATION AND NEC ARTICLE 250.
- 10-ALL FIRE WALL PENETRATION SHALL BE MADE WITH APPROVED (NEC) ELECTRICAL TUBING AND SEALED WITH A U.L. LISTED FIRE STOPPER. (SEE FIRE STOP DETAIL).
- 11-THE 120V AC POWER FEED FOR THE FIRE PANEL MUST BE FROM A DEDICATED CIRCUIT AND THE BREAKER MUST BE IDENTIFIED FIRE ALARM CIRCUIT AND HAVE A LOCK ON IT.
- 12-VISUAL ALARM PER ANSI A117.1, 4.26 APPROVED. WALL MOUNTS 80" A.F.F. TO BOTTOM OF STROBE LENS.
- 13-ALL NEW WIRING INSTALLED IN DUCTS, PLENUMS AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP, AS PER NEC (NATIONAL ELECTRIC CODE) ARTICLE 760.154.
- 14-ALL N.A.C. WIRING SHALL BE CLASS "B". SIGNALING LINE CIRCUIT WIRING SHALL BE CLASS "B".
- 15-SPEAKER/STROBES SHALL BE LOCATED AS PER NFPA 72, CHAPTER 18.
- 16-STROBE LIGHT CIRCUITS SHALL BE SYNCHRONIZED AT 1HZ PER NFPA 72.
- 17-UNLESS OTHERWISE NOTED ALL CEILING HEIGHTS DO NOT EXCEED 10'-0" AND ALL CEILINGS ARE FLAT.
- 18-ALL RELAYS FOR CONTROL DEVICES ARE TO BE LOCATED WITHIN THREE FEET OF THE DEVICE AND SUPERVISED OR WIRED FAIL SAFE.
- 19-FURNITURE AND EQUIPMENT SHALL NOT EXCEED 72" IN HEIGHT WHERE PLACED ALONG THE PATH OF VISUAL SIGNALS.
- 20-THE SYSTEM IS CLASSIFIED AS CERTIFICATED FOR CENTRAL STATION SERVICE PER NFPA 72 26.3.
- 21-THE SYSTEM SHALL HAVE BATTERY BACK UP FOR 24 HRS IN STANDBY MODE AND 15 MINUTES ALARM.
- 22-NEW FIRE ALARM DEVICES TO BE COMPATIBLE WITH THE EXISTING CONTROL PANEL AND RATED FOR FIRE USE.
- 23-ROOM CONTAINING FACP, EVAC AND POWER SUPPLY IS MECHANICALLY VENTILATED.
- 24-THE MS-9600UDLS CONTAIN ONE SLC (SIGNALING LINE CIRCUIT) WHICH SUPPORTS UP TO 318 ADDRESSABLE DEVICES (159 DETECTORS AND 159 MONITOR, RELAY OR CONTROL MODULES). 7.0 AMPS NAC POWER. THE OPTIONAL EXPANDER MODULE (SLC-2LS) ENABLES SECOND SLC LOOP.
- 25-HEIGHT OF FACP, EVAC AND BOOSTERS NOT TO EXCEED SIX FEET TO TOP OF ENCLOSURES.
- 26-THE INSTALLATION OF THIS FIRE ALARM SYSTEM SHALL COMPLY WITH:
FLORIDA FIRE PREVENTION CODE (FFPC) 8th EDITION (2023).
AND MIAMI-DADE COUNTY CODE SECTION 14-61.
FLORIDA BUILDING CODE (FBC) 8th EDITION (2023).
NFPA 1 "FIRE CODE" 2021 EDITION.
NFPA 101 "LIFE SAFETY CODE" 2021 EDITION.
NFPA 72 "NATIONAL FIRE CODE" 2019 EDITION.
NFPA 70 "NATIONAL ELECTRICAL CODE" 2020 EDITION.
NFPA 13 "INSTALLATION SPRINKLER SYSTEM" 2019 EDITION.

THIS IS AN EXISTING PLACARDED FM CENTRAL STATION

NARRATIVE/BUILDING DESCRIPTION.

- NEW PORTABLES [CLASSROOMS]
ADD NEW DEVICES TO THE EXISTING FIRE ALARM.

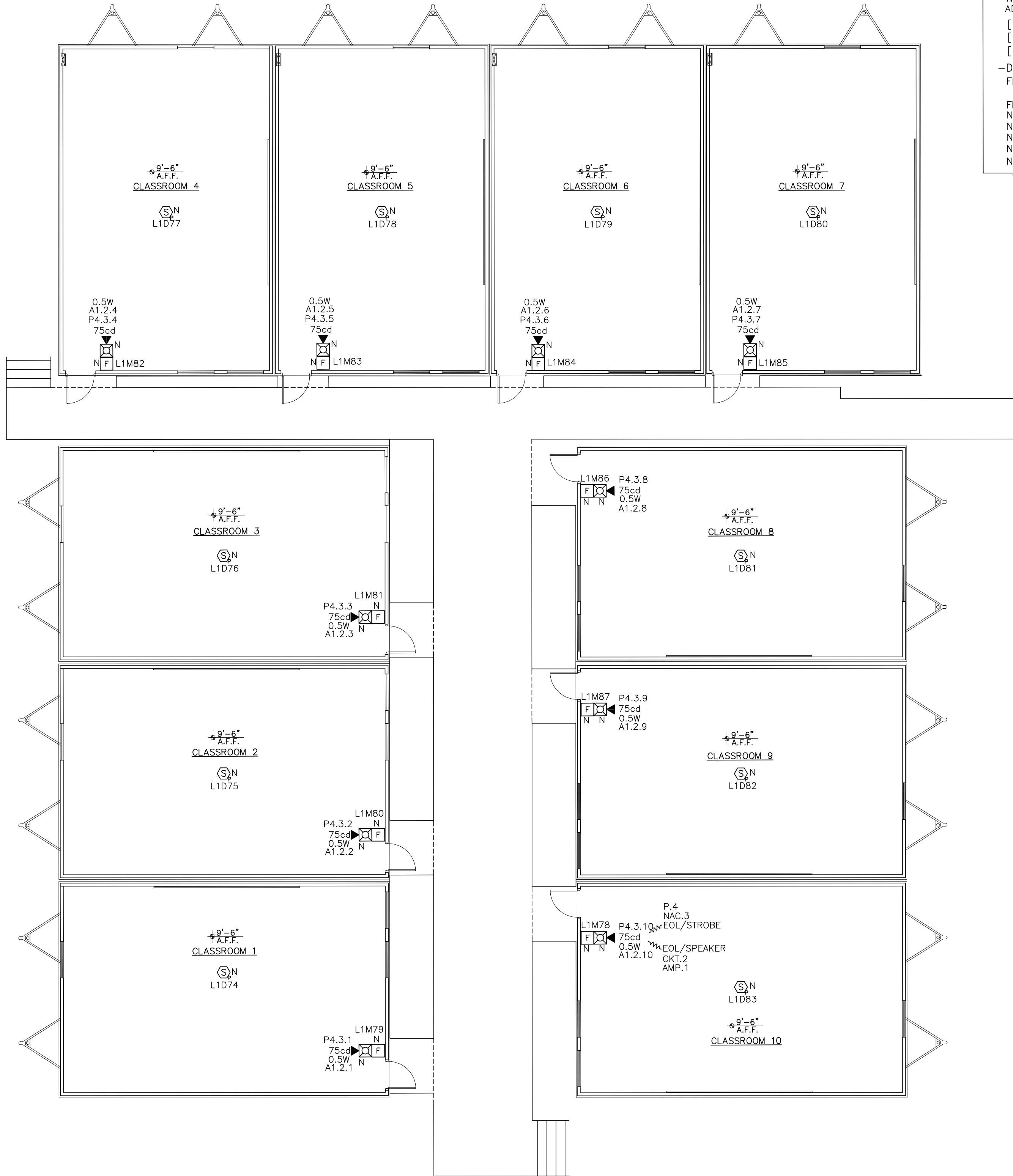
- 1.-CEILING HEIGHT: LESS THAN 10'-0".
*FLAT CEILING.
- 2.-THIS IS AN EXISTING PLACARDED FM CENTRAL STATION SERVICE FIRE ALARM SYSTEM AND WILL BE PROVIDED WITH 24 HOURS OF SECONDARY POWER SUPPLY.
*METHOD OF COMMUNICATION: EXISTING TELEPHONE LINES.
- 3.-THIS BUILDING HAS A SPRINKLER SYSTEM.
- 4.-THIS IS AN EXISTING BUILDING WITH 2 STORY AND ±1107,014 SQ.FT.
-SCOPE OF WORK: NEW PORTABLES (CLASSROOM) ±10,965 SQ.FT.
- 5.-OCCUPANCY CLASSIFICATION IN ACCORDANCE WITH NFPA 101:
-EDUCATIONAL OCCUPANCY [3.3.196.6]
- 6.-ALL NACs CLASS B.
- 7.-SLC LOOP CLASS B.
- 8.-THIS SYSTEM DOES NOT PROVIDE THE FIRE PUMP SUPERVISION.
- 9.-THIS SYSTEM PROVIDE ELEVATOR RECALL FUNCTIONS.
- 10.-THIS SYSTEM NO HAVE SPECIAL REQUIREMENTS REQUIRED BY THE OWNER OR INSURANCE UNDERWRITER
- 11.-METHOD(S) OF ALARM INITIATION WILL BE USED:
-AUTOMATIC DETECTION
-SPRINKLER DEVICES
-MANUAL FIRE ALARM BOXES
- 12.-METHOD OF OCCUPANT NOTIFICATION WILL BE USED:
-TOTAL EVACUATION.
- 13.-ALL DUCT DETECTORS SHALL BE ADDRESSABLE.(CONNECTION TO SLC ONLY).
- 14.-THE PRIMARY POWER SUPPLY IS LOCATED IN ELECTRICAL ROOM.
SCOPE OF WORK FAPS-P.4 AND AMP.1
PNL-EL2 CKT-1 WITH LOCK AND LABEL "FIRE ALARM CIRCUIT".
- 15.-SURGE PROTECTORS ARE INSTALLED AS REQUIRED.

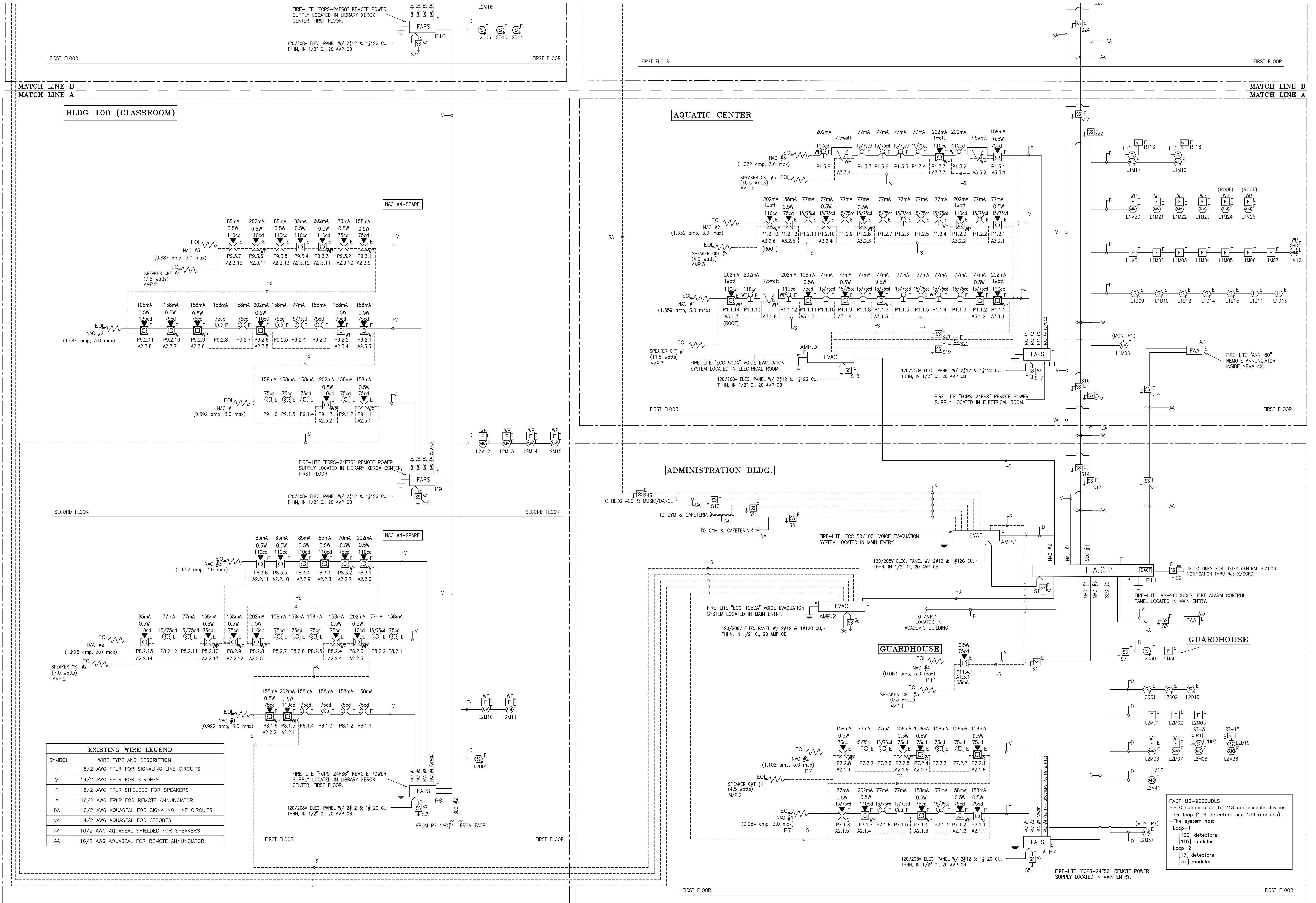
SCOPE OF WORK FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL
E [FACP]	FIRE ALARM CONTROL PANEL W/DIGITAL COMMUNICATOR	FIRE-LITE	MS-9600UDLS
E [FAPS]	FIRE ALARM POWER SUPPLY [P.4-NAC.3]	FIRE-LITE	FCPS-24FS8
E [EVAC]	EMERGENCY COMMAND CENTER [AMP.1-CKT#2]	FIRE-LITE	ECC-50/100
N [S]	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR [10]	FIRE-LITE	SD365
N [F]	ADDRESSABLE PULL STATION [10]	FIRE-LITE	BG-12LX
N [SPEAKER]	SPEAKER/STROBE WALL MOUNT MULTI-CANDELA [10]	SYSTEM SENSOR	SPSRL

FIRE ALARM SYSTEM
GULLIVER PREPARATORY SCHOOL
NEW PORTABLES

6575 N. KENDALL DRIVE
PINECREST, FLORIDA 33156







South Florida Consulting Engineers, Inc.

7950 NW 53rd Street, Suite 337

Miami Florida 33166

Phone: (786) 834-9441

Email: info@seinc.com

Lic: 64685

STATE OF FLORIDA

PROFESSIONAL ENGINEER

RAMSES PEREZ

License No. 64685

DDC Fire Alarm Consulting, Co.

461 West 42nd Place

Hialeah, Florida 33012

PH: (305) 828-3133 Lic: EF 20000768

Project Name and Address:

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FIRE ALARM SYSTEM

6575 N. KENDALL DRIVE

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Revisions:

1

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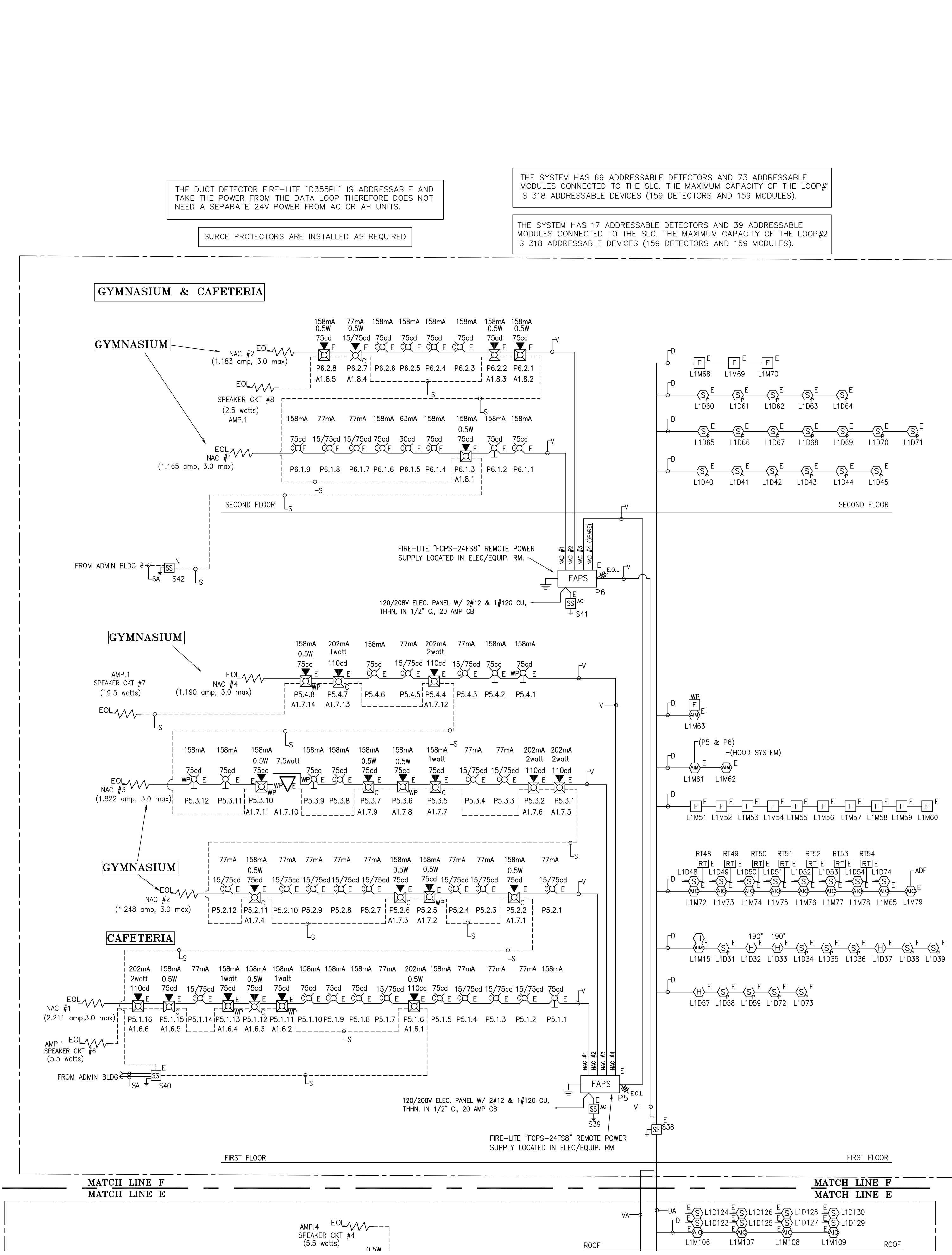
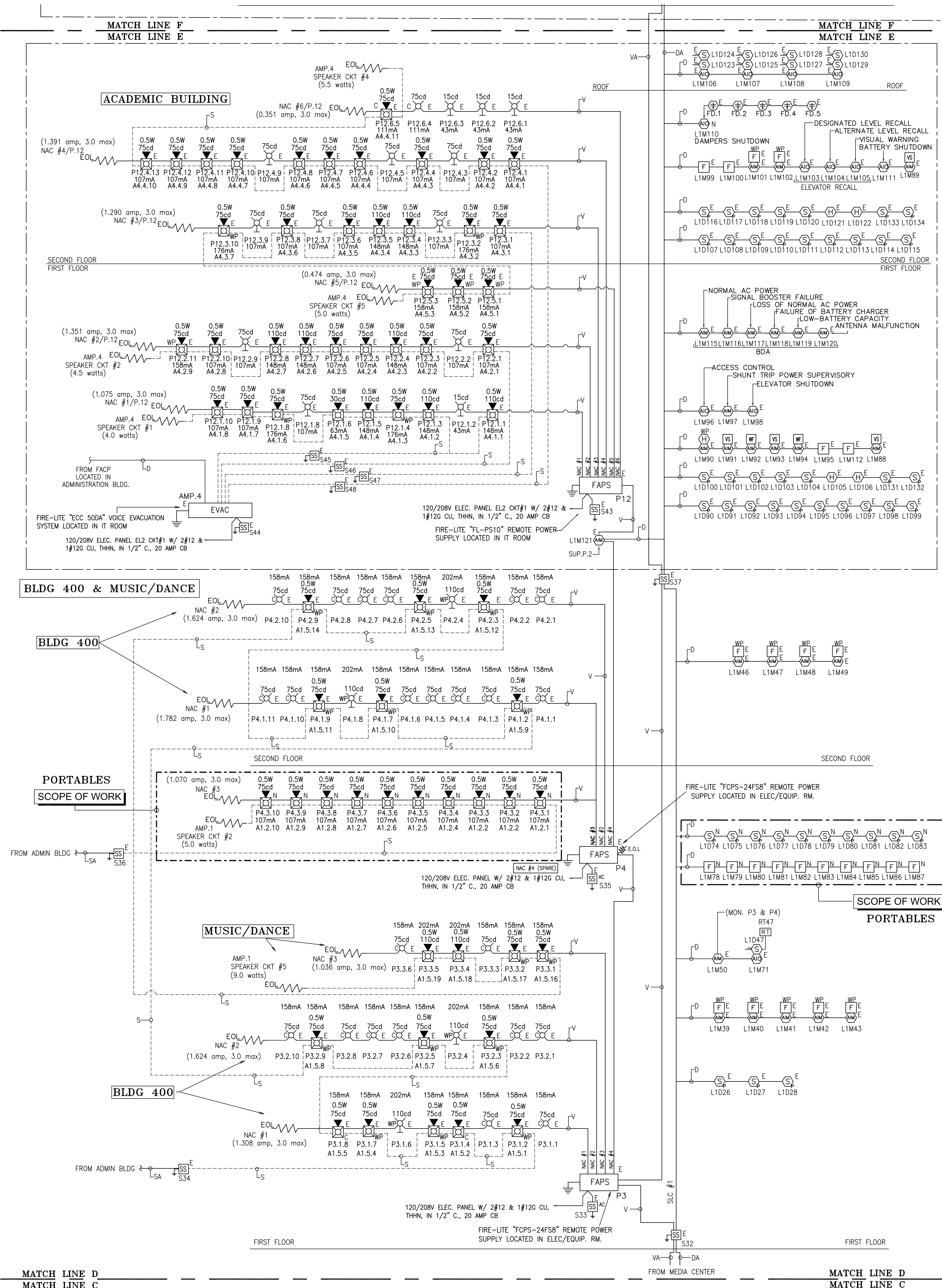
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SOUTH FLORIDA
CONSULTING
ENGINEERS, INC.

South Florida Consulting Engineers, Inc.
7950 NW 53rd Street, Suite 337
Miami Florida 33166
Phone: (786) 834-9441
Email: info@sfceinc.com
Lic: 64685

RAMON PERDOMO
No. 64685
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DDC Fire Alarm Consulting, Co.
461 West 42nd Place
Hialeah, Florida 33012
PH: (305) 828-3133 Lic: EF 20000768

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