2- WIRING SHALL NOT BE LOOPED THROUGH DEVICES UPON TERMINATION. WIRE MUST BE CUT FOR IN AND OUT RUNS PRIOR TO DEVICE

3- ALL CONDUITS SHALL BE A MINIMUM OF 3/4". CONDUIT SIZES SHALL BE IN ACCORDANCE WITH C.E.C., CHAPTER 9 TABLES AND EXAMPLES ON CONDUIT FILLS.

4- ALL DEVICES IN THE ALARM SYSTEM SHALL BE COMPATIBLE AND INSTALLED TO THE MANUFACTURERS SPECIFICATIONS.

5- AUDIBILITY OF ALARM SHALL BE NOT LESS THAN 15dB ABOVE AMBIENT SOUND THROUGHOUT AREA OF ALARM.

5- ALL STROBE APPLIANCES SHALL BE SYNCHRONIZED IN ACCORDANCE WITH NATIONAL FIRE ALARM CODE (NFPA 72). REFERENCE

- SMOKE DETECTOR AND HEAT DETECTOR LOCATIONS ARE BASED ON SMOOTH CEILING WITH MAXIMUM HEIGHT OF 10 FEET UNLESS

8- STROBE LOCATIONS ARE BASED ON 10 FOOT CEILING HEIGHTS AND ARE INSTALLED IN ACCORDANCE WITH NATIONAL FIRE ALARM CODE (NFPA 72) UNLESS OTHERWISE NOTED. REFERENCE APPLICABLE EDITIONS UNDER " APPLICABLE CODES AND REGULATIONS' 9- WALL-MOUNTED STROBE APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 INCHES AND NOT

GREATER THAN 96 INCHES ABOVE FINISHED FLOOR LEVEL.

10- OPERABLE PORTION OF MANUAL PULL STATIONS SHALL BE MOUNTED AT 48" ABOVE FINISHED FLOOR LEVEL.

11- FIRE ALARM SIGNAL SHALL MEET ANSI V3.41, AUDIBLE EMERGENCY EVACUATION SIGNAL (TEMPORAL PATTERN) 12- INITIATION DEVICE CIRCUITS ARE RATED POWER LIMITED. MINIMUM RECOMMENDED WIRE SIZE IS LISTED.

13- CONTROL CIRCUITS ARE NON-POWER LIMITED. MINIMUM RECOMMENDED WIRE SIZE TO BE DETERMINED BY CIRCUIT LOAD.

14- WHERE SHIELDED CABLE IS USED, THE SHIELD SHALL BE CONTINUOUS AND GROUNDED ONLY AT THE RESPECTIVE CONTROL PANEL. 15- REFER TO RESPECTIVE CATALOG CUT SHEETS FOR ELECTRICAL MOUNTING HARDWARE.

17- PHOTOELECTRIC DETECTORS SHALL NOT BE WITHIN 36" OF DIRECT AIR STREAM SUPPLY AIR OUTLETS.

T-TAPPING IS PROHIBITED ON ANY OTHER CIRCUITS (I.E. NAC, IDC, PANEL NETWORK WIRING).

18- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE AHJ.

19- ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

20- AUDIBILITY WILL BE DETERMINED BY THE FIELD FIRE MARSHAL.

21- INITIATION AND NOTIFICATION CIRCUITS SHALL BE CLEARLY IDENTIFIED AT ALL JUNCTION BOXES AND TERMINATIONS.

22- THE TELEPHONE NUMBER OF THE 24 HOUR MONITORING SERVICE SHALL BE PLACE ON THE DOOR OF THE PANEL OR NEXT TO THE PANEL ON THE WALL.

23- CIRCUIT BREAKER FOR THE FIRE ALARM PANEL SHALL BE RED IN COLOR AND HAVE A LOCK OUT ON IT.

24- FIRE BELL SHALL BE ON IT'S OWN BREAKER. 25- ALL NOTIFICATION APPLIANCES INSTALLED WITHIN THIS PROJECT SHALL PROVIDE A DISTINCTIVE THREE-PULSE TEMPORAL PULSE

FIRE ALARM SIGNAL IN ACCORDANCE WITH SECTION 3-7.2 OF NFPA. 26- 48 HOUR ADVANCE NOTICE REQUIRED FOR ALL INSPECTIONS.

27- ACCESS KEYS FOR FACP AND PULLSTATIONS SHALL BE PROVIDED AND LABELED FOR PLACEMENT IN THE KNOX BOX.

28- A 24 HOUR LISTED FIRE MONITORING SERVICES SHALL RECEIVE SIGNALS.

29- ROOM IN WHICH FACP IS LOCATED SHALL BE LABEL ACCORDING TO LOCAL FD POLICY.

30- CALL FOR FINAL FIRE ALARM TEST AND INSPECTION AT LEAST 48 HOURS IN ADVANCE. APPROVED PLANS MUST BE ON SITE FOR FINAL INSPECTION. ALL AREAS THAT REQUIRE INSPECTION MUST BE ACCESSIBLE. THIS MAY MEAN HAVING A LIFT ON SITE TO INSPECT/TEST

31- AN NFPA 72 RECORD OF COMPLETION SHALL BE COMPLETED AND PROVIDED TO THE FIRE INSPECTOR AT TIME OF FINAL ACCEPTANCE

33- ALL FIRE ALARM SYSTEMS SHALL BE PRE-TESTED PRIOR TO SCHEDULING FINAL INSPECTION. PROVIDE THE FD "FIRE ALARM PRE-TEST VERIFICATION" FORM TO BE COMPLETED AND SUBMITTED TO THE FIRE INSPECTOR AT THE TIME OF FINAL ACCEPTANCE

ACCESS YOUTH ACADEMY

704 EUCLID AVENUE SAN DIEGO, CA 92114 FIRE ALARM & VOICE EVACUATION SYSTEM

			REVISION SUMMARY	TABLE		
CONSTRUCTION CHANGE SCOPE OF WORK	CC#	SUBMITTAL DATE	DESCRIPTION	SHEETS	DELTA	APPROVAL DATE
ECT NUMBER: 689845 MOVED FIRE SMOKE DAMPERS AND ASSOCIATED SPOT SMOKED DETECTORS ON 1ST FLR PER MECHANICAL NS. MOVED DUCT SMOKE DETECTORS FROM WOMEN'S LOCK/ RESTROOM TO 2ND FLR MECHANICAL ATTIC. ADDED (3) DUCT SMOKE DETECTORS ON ROOF PLAN. NEW CHANGE WILL MARK AS DELTA 2	1		REMOVED FSD'S AND ASSOCIATED SPOT SMOKE DETECTORS. ADDED (3) DUCT SMOKE DET. ON ROOF. MOVED (3) DUCT SMOKE DET. FROM WOMEN'S LOCKER / REST ROOM TO MECH. ATTIC SPACE.		2	

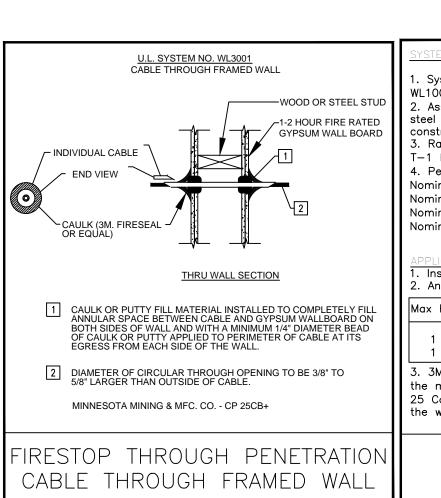
SCOPE OF WORK
INSTALLATION OF FIRE ALARM & VOICE EVACUATION SYSTEM IN NEW 2 STORY COMMERICAL MIXED-USED
BUILDING WITH CLASSROOMS, OFFICES, AND SQUASH COURTS. UPON COMPLETION OF INSTALLATION A
COMPLETE PRETEST SHALL BE PERFORMED, IF FUNCTIONALITY TEST IS SATISFACTORY, THEN THE PROPER
DOCUMENTION SHALL SUBMITTED TO THE AHJ PRIOR TO SCHEDULING A FINAL INSPECTION.

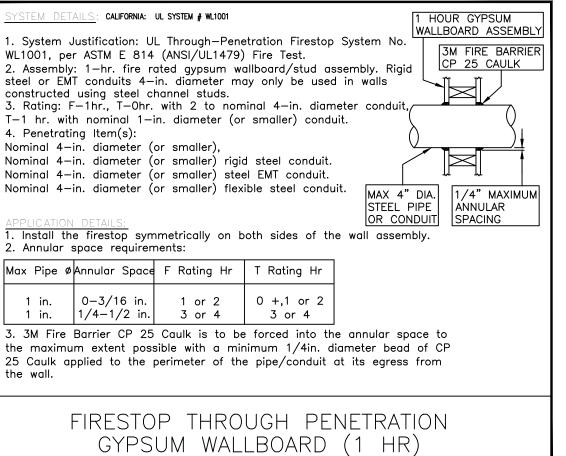
CITY OF SAM	N DIEGO
CONSTURCTION PROJECT NUMBER :	5855636
CONSTRUCTION APPROVAL NUMBER:	2058934

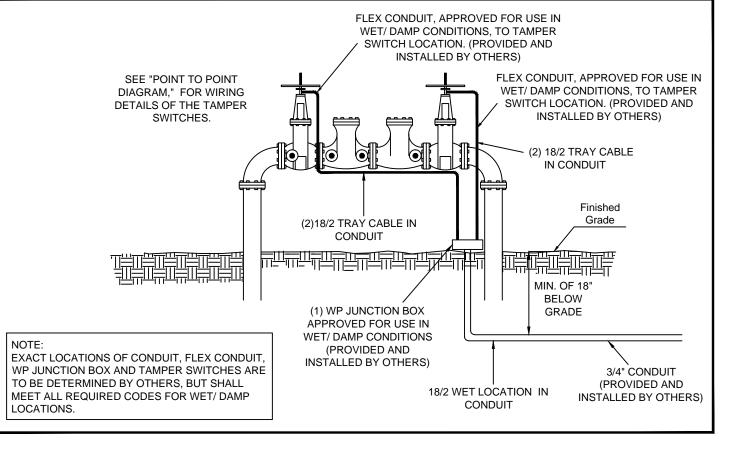
CODE ANALYSIS TABLE							
BUILDING (NEW OR EXISTING):	NEW CONSTRUCTION - (2) STORY MIX-UED BUILDING						
OCCUPANCY CLASS:	A-3, B, E						
CONSTRUCTION TYPE:	TYPE VB						
NUMBER OF LEVELS/ STORIES:	2 STORY						
OVERALL HEIGHT OF BUILDING:	29'-11-3/4"						
GROSS SQUARE FOOTAGE:	21,630 S.F.						
TYPE OF SYSTEM:	AUTOMATIC FIRE ALARM SYSTEM						
BUILDING IS FULLY SPRINKLERED:	YES (NFPA-13)						
MECHANICAL UPGRADE:	YES						
EMERGENCY GENERATOR:	NO						
FIRE PUMP	NO						
RPDA (BACKFLOW DEVICE)	YES						

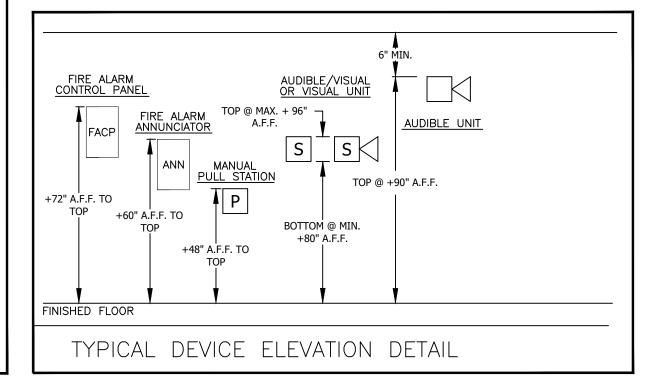
INPUT	MESSAGE DESCRIPTION	MESSAGE
1	"FIRE ALARM" TWO CYCLES OF 3 PULSE TEMPORAL CODE IS PLAYED FOLLOWED BY MESSAGE	MAY I HAVE YOUR ATTENTION PLEASE. THERE HAS BEEN A FIRE EMERGENCY REPEORTED IN THE BUILDING. WHILE THIS IS BEING VERIFIED, PLEASE LEAVE THE BUILDING BY THE NEAREST EXIST OR EXIT STAIRS.
INPUT	MESSAGE DESCRIPTION	MESSAGE
2	"ALL CLEAR".	ATTENTION. YOUR ATTENTION PLEASE. THE BUILDING EMERGENCY CONDITION HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVTIES. THE BUILING EMERGNCY HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVITIES.

		_		1	1		SEQUE	NCE OF OPER	ATIONS	_	,	1	_	_				
	ACTION:	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE NOTIFICATION STROBE APPLIANCE CIRCUITS	ACTUATE VOICE EVAC TONE AND MESSAGE	RELEASE DOOR HOLDERS	ACTUATE ELEVATOR SHUNT-TRIP	ACTUATE ELEVATOR RECALL TO LEVEL 1	ACTUATE ELEVATOR RECALL TO LEVEL 2	ACTUATE ELEVATOR CAB FIREMEN'S HAT LAMP	ASSOCIATED SUPPLY FAN SHUTDOWN	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION
MANUAL PULL STATION BY PANEL		•	•					•	•							•		
AREA SMOKE DETECTOR		•	•					•	•	•						•		
1ST FLR ELEVATOR LOBBY SMOKE DETECTOR		•	•					•	•	•			•	(STEADY)		•		
2ND FLR ELEVATOR LOBBY SMOKE DETECTOR		•						•	•	•				(STEADY)		•		
ELEVATOR MACHINE ROOM SMOKE DETECTOR		•	•					•	•	•		•		(FLASHES)		•		
ELEVATOR MACHINE ROOM HEAT DETECTOR		•	•					•	•	•	•			(FLASHES)		•		
SUPPLY FAN DUCT SMOKE DETECTOR MONITOR				•	•										•		•	
WATERFLOW SWITCH ACTIVATED		•	•					•	•	•						•		
SPRINKLER ISOLATION VALVE CLOSED				•	•												•	
SITE BACKFLOW VALVE CLOSED				•	•												•	
SLC LOOP OPEN						•	•											•
SLC LOOP SHORT						•	•											•
SLC LOOP EARTH GROUND						•	•											•
INITIATING ZONE OPEN						•	•											•
INITIATING ZONE SHORT		•	•					•	•							•		
SLC LOOP EARTH GROUND						•	•											•
NOTIFICATION CIRCUIT OPEN						•	•											•
NOTIFICATION CIRCUIT SHORT						•	•											•
NOTIFICATION CIRCUIT EARTH GROUND						•	•											•
FACP LOW BATTERY						•	•											•
FACP AC FAIL										•								









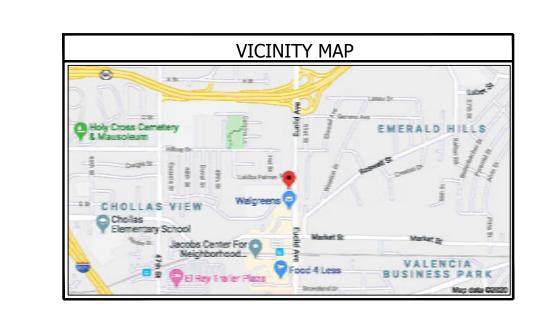
	DRAWING SHEET INDEX								
SHEET	SHEET DESCRIPTION	SHEET CONTENTS							
FA-0.0	TITLE SHEET	SEQ OF OPS, NOTES, CODE ANALYSIS, SCOPE OF WORK, DETAILS, BACK FLOW DETAIL							
FA-0.1	SITE PLAN								
FA-1.0	LEVEL 1 FLOOR PLAN								
FA-2.0	LEVEL 2 FLOOR PLAN								
FA-3.0	ROOF PLAN								
FA-4.0	SYSTEM RISER DIAGRAM								
FA-5.0	POINT TO POINT WIRING DETAIL								

	QTY	DESCRIPTION	MANUFACTURE	MODEL	CSFML#	BACKBOX TYPE
FACU	1	FIRE ALARM & VOICE EVACUATION PANEL	SILENT KNIGHT	6820EVS	7165-0559:0500	INCLUDED
FAA	1	LOCAL OPERATOR CONSOLE	SILENT KNIGHT	LOC-EVS	7165-0559:0500	INCLUDED
AMP	1	50 WATT AMPLIFIER PANEL	SILENT KNIGHT	EVS-50W	7165-0559:0500	INCLUDED
FAC	1	CELLULAR COMMUNICATION PANEL	SILENT KNIGHT	CELL-CAB-SK	7165-0559:0500	INCLUDED
	2	12V, 18AH RECHARGEABLE LEAD-ACID BATTERIES	POWER SONIC	PS12180		***
	2	12V, 7AH RECHARGEABLE LEAD-ACID BATTERIES	POWER SONIC	PS1270		
	1	SYSTEM RECORDS CABINET	SPACE AGE	SSU00672	7300-0553:0110	
②	8	INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR	SILENT KNIGHT	SK-PHOTO-W	7272-0559:0512	4S BOX W/ 3.0 MUDRING
•	1	INTELLIGENT HEAT DETECTOR	SILENT KNIGHT	SK-HEAT-W	7270-0559:0511	4S BOX W/ 3.0 MUDRING
F	1	ADDRESSABLE PULL STATION	SILENT KNIGHT	SK-PULL-SA	7150-0559:0161	4S BOX
505	16	CONVENTIONAL DUCT SMOKE DETECTOR (BY OTHERS)	м	UST BY CSFM LIST	ED	INCLUDED
ММ	19	ADDRESSABLE SINGLE INPUT MINI MODULE	SILENT KNIGHT	SK-MINI-MON	7300-0559:0155	4S BOX
DM	2	ADDRESSABLE DUAL INPUT MODULE	SILENT KNIGHT	SK-MONITOR-2	7300-0559:0155	4S BOX
CR	4	ADDRESSABLE RELAY MODULE	SILENT KNIGHT	SK-RELAY	7300-0559:0155	4S BOX
R	2	120VAC, 10 AMP RELAY	AIR PRODUCTS	MR-101/C	7300-1004:0101	4S BOX
Н□◀	1	SPEAKER, WALL	SYSTEM SENSOR	SPWL	7320-1653:0505	1-GANG
H⊠◀	31	MULTI-CANDELA SPEAKER-STROBE, WALL	SYSTEM SENSOR	SPSWL	7320-1653:0505	1-GANG
	2	MULTI-CANDELA SPEAKER-STROBE, WALL, WEATHERPROOF	SYSTEM SENSOR	SPSWK	7320-1653:0201	SA-WBB
Ä	4	MULTI-CANDELA WALL STROBE	SYSTEM SENSOR	SWL	7125-1653:0504	1-GANG
<u> </u>	4	DOOR HOLDER (BY OTHERS)	м	UST BE CSFM LIST	ED	550
- <u>\$</u>	2	SPRINKLER FLOW SWITCH (BY OTHERS)	м	MUST BE CSFM LISTED		
	3	SPRINKLER CONTROL VALVE TAMPER SWITCH (BY OTHERS)	м	UST BE CSFM LIST	ED	-
	1	SITE BACKFLOW TAMPER SWITCH (BY OTHERS)	м	UST BE CSFM LIST	ED	

	W	IRE LEGEND		
PURPOSE	WIRE TAG	WIRE SIZE/TYPE	WIRING CLASS	PATHWAY SURVIVABLITY LEVEL
SLC LOOP / INITIATING CIRCUIT	D	18/2 FPLR	CLASS B	LEVEL 0
AUDIO BUS	Α	16/2 FPLR TWISTED SHIELDED	CLASS B	LEVEL 0
REMOTE ANNUNCIATOR / S BUS	С	16/4 FPLR	CLASS B	LEVEL 0
SPEAKER CIRCUIT	S	16/2 FPLR TWISTED SHIELDED	CLASS B	LEVEL 0
NAC CIRCUIT	V	14/2 FPLR	CLASS B	LEVEL 0
DOOR HOLDER POWER	Р	14/2 FPLR	CLASS D	LEVEL 0
SLC / INITIATING UNDERGROUND CIRCUITS	U	18/2 UNDERGROUND RATED CABLE IN CONDUIT**		LEVEL 0

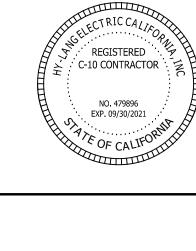
APPLICABLE CODES AND REGULATIONS
CALIFORNIA BUILDING CODE, TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR)
2016 CALIFORNIA BUILDING CODE (CBC), TITLE 24 PART 2
2016 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 PART 3
2016 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 PART 4
2016 CALIFORNIA FIRE CODE (CFC), TITLE 24 PART 9
NATIONAL FIRE PROCTECTION ASSOCIATION
2016 NFPA 72
2011 NFPA 70
2016 NFPA 90A

CENTRAL MONITORING STATION CRITICOM MONITORING SERVICES CYPRESS, CA 90630 PHONE #:1.866-722.1448 UL LISTING #: UUFX.S3072-2

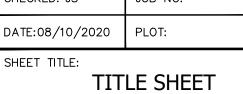






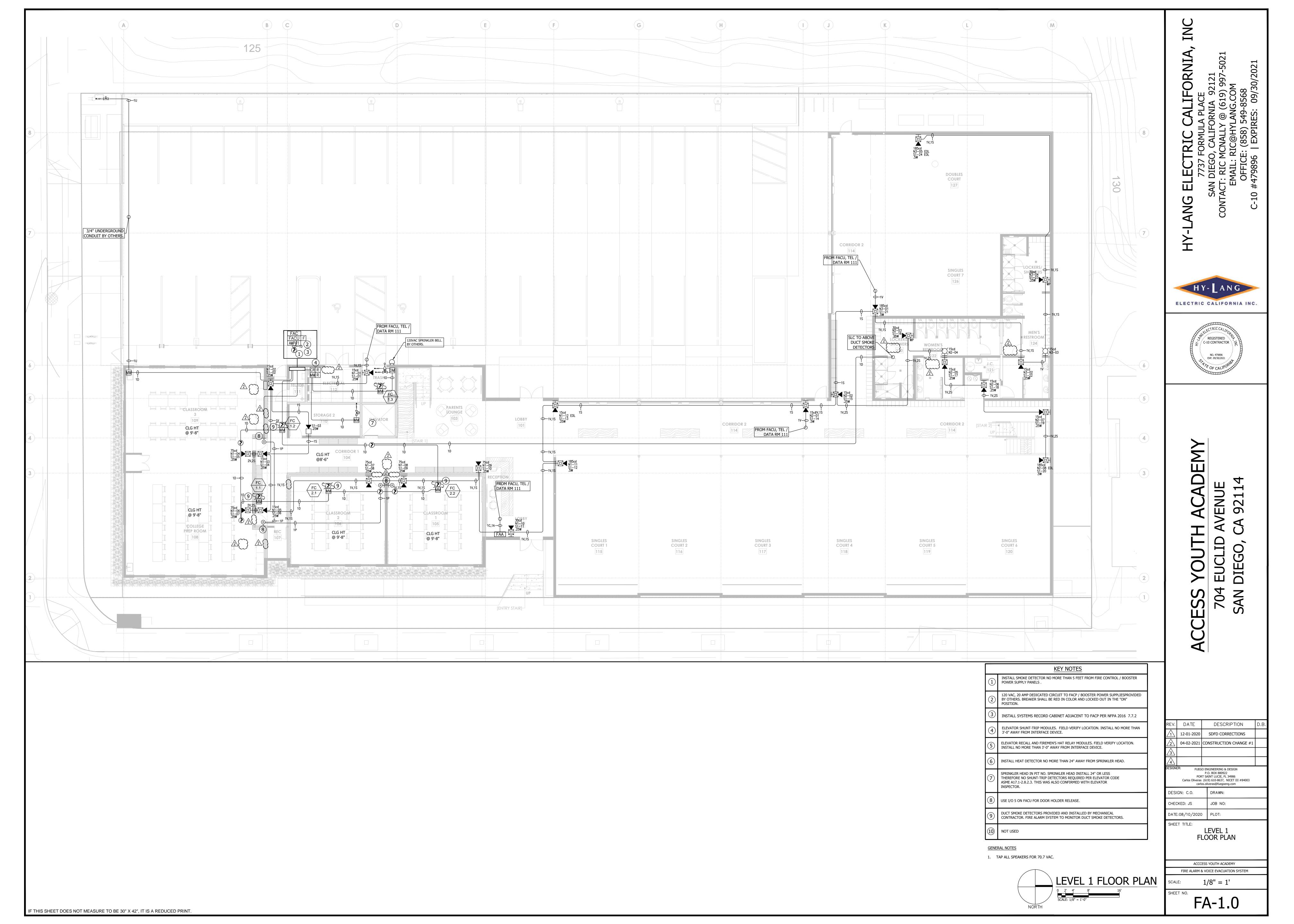


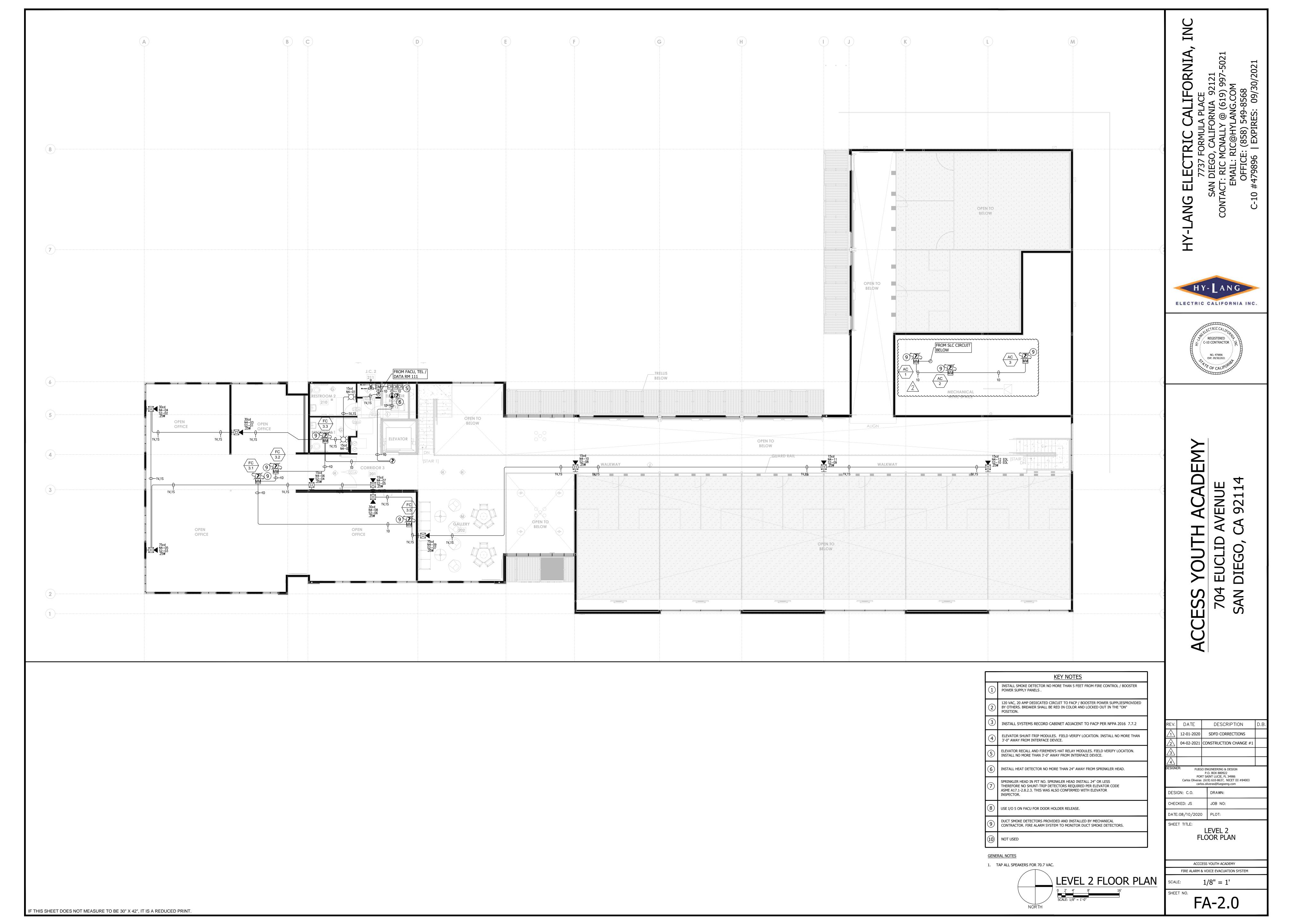
REV.	DATE		DESCRIPTION	D.B.			
1	12-01-2020		SDFD CORRECTIONS				
2	04-02-2021	СС	NSTRUCTION CHANGE #1				
3							
4							
DESIGNER: FUEGO ENGINEERING & DESIGN P.O. BOX 880922 PORT SAINT LUCIE, FL 34986 Carlos Oliveras (619) 610-8637, NICET III #84003 carlos.oliveras@fuegoeng.com							
DESIGN: C.O.			DRAWN:				
CHEC	CKED: JS		JOB NO:				

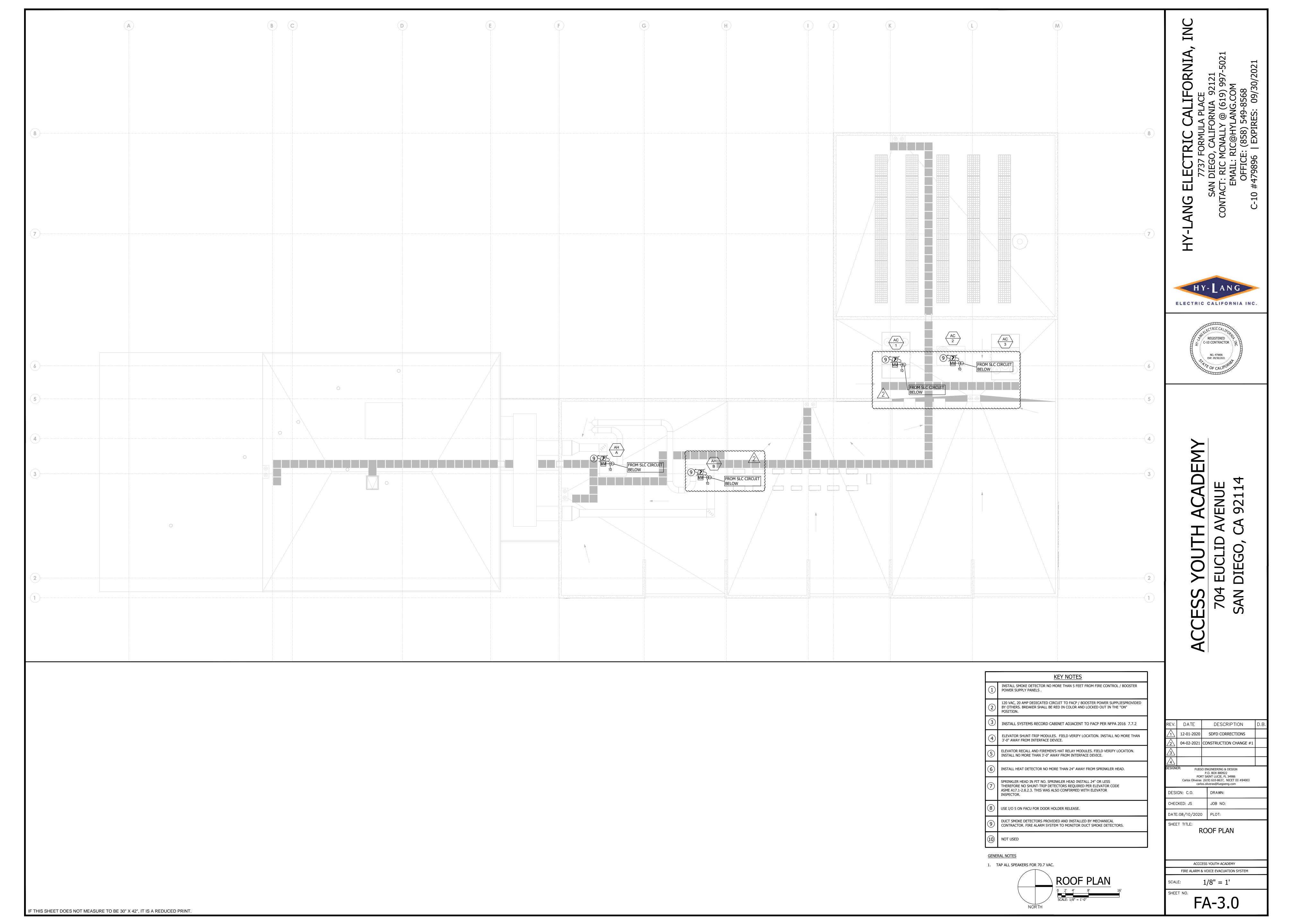


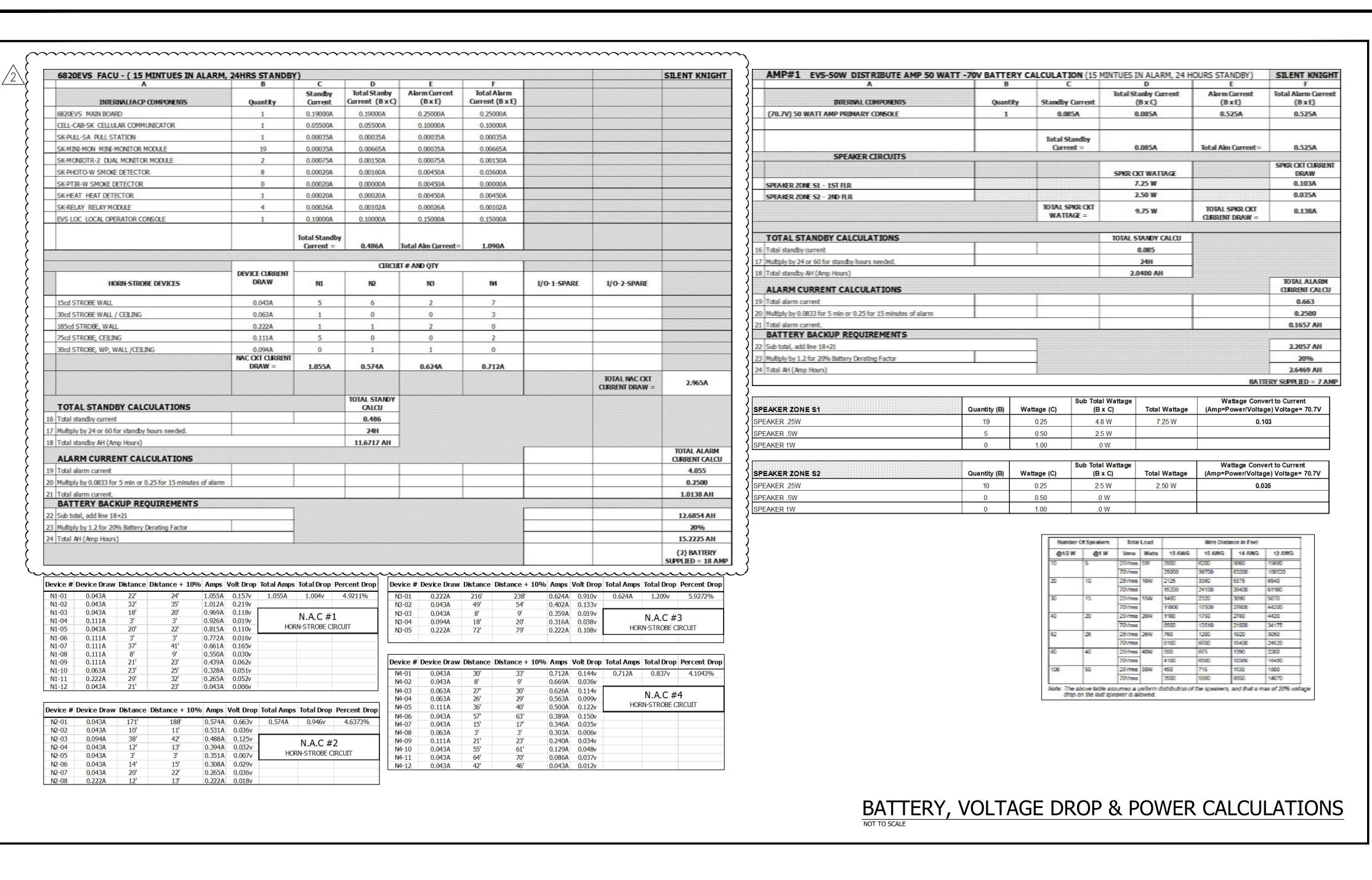
ACCCESS YOUTH ACADEMY FIRE ALARM & VOICE EVACUATION SYSTEM

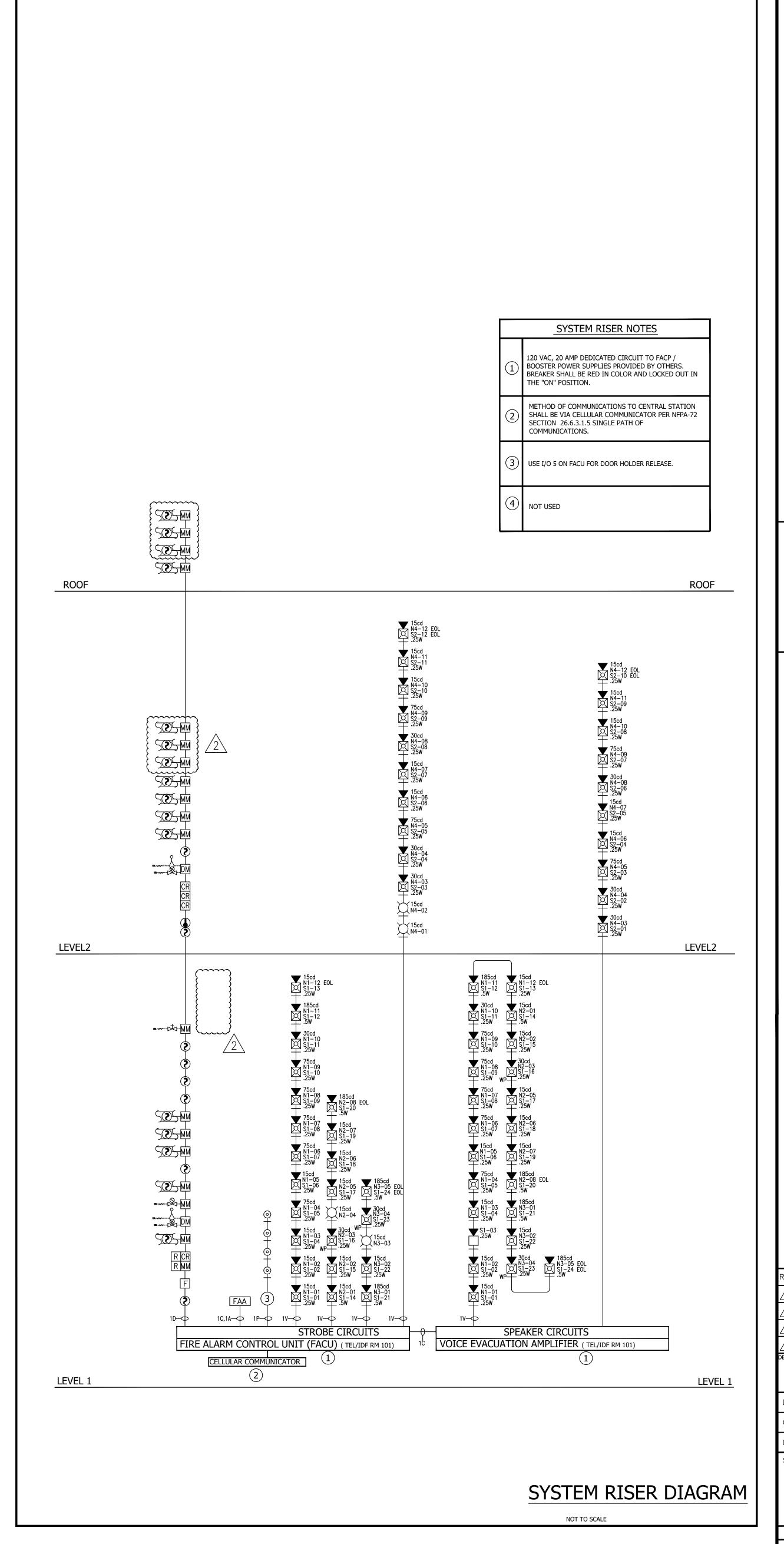
FA-0.0











INC CALIFORNIA,

SAN DIEGO, CALIFORNIA 92121
ACT: RIC MCNALLY @ (619) 997-EMAIL: RIC@HYLANG.COM
OFFICE: (858) 549-8568
0 #479896 | EXPIRES: 09/30/20

10





92114 VENUE X EUCLID DIEGO,

704

SAN

DESCRIPTION 04-02-2021 CONSTRUCTION CHANGE #1 P.O. BOX 880922 PORT SAINT LUCIE, FL 34986 DESIGN: C.O. HECKED: JS

DATE:08/10/2020 | PLOT: SYSTEM RISER DIAGRAM

> ACCCESS YOUTH ACADEMY FIRE ALARM & VOICE EVACUATION SYSTEM

> > FA-4.0

IF THIS SHEET DOES NOT MEASURE TO BE 30" X 42", IT IS A REDUCED PRINT