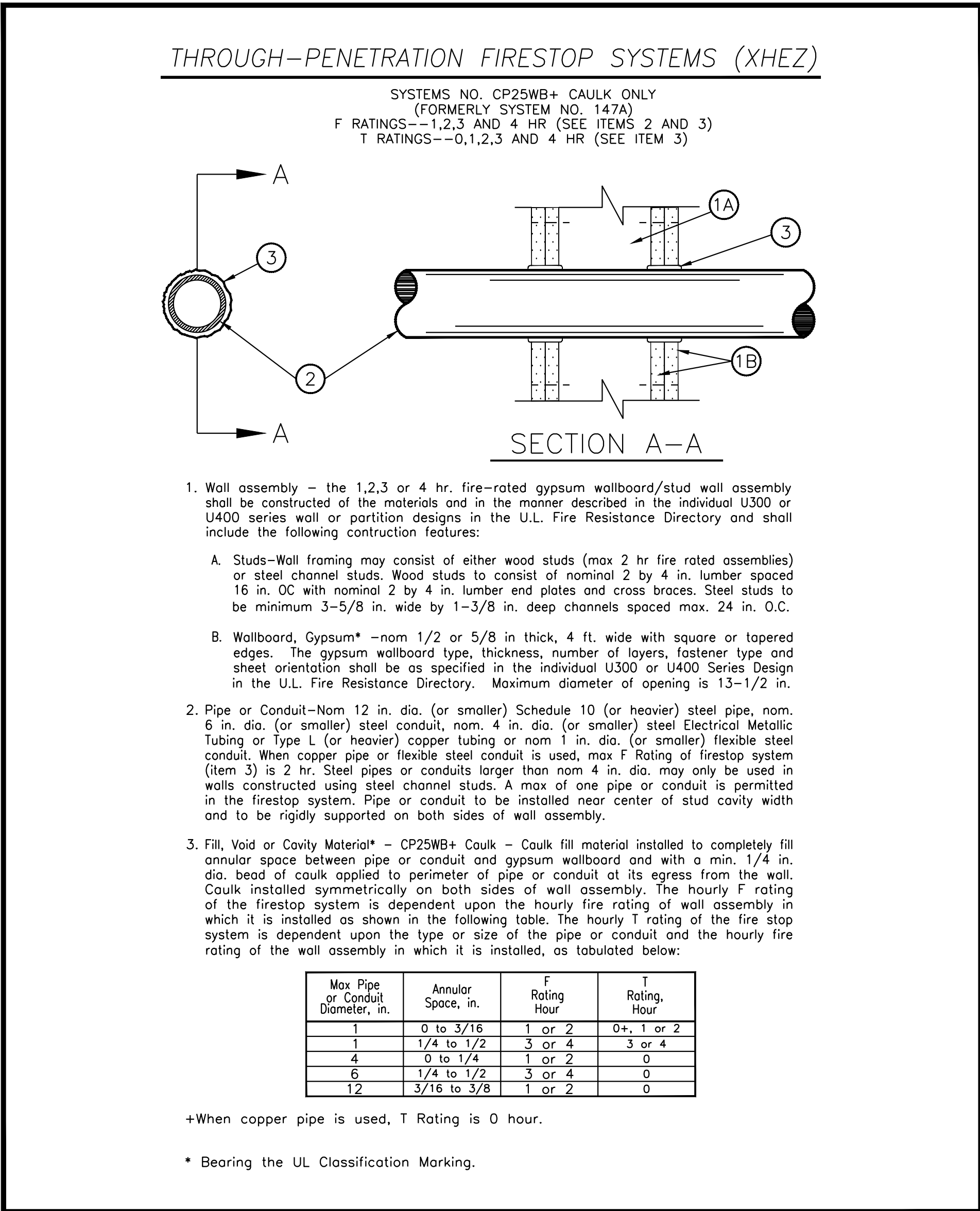


WIRE/CABLE COLOR CODING

CIRCUIT TYPE	THHN/THWN WIRE	NON-CONDUIT CABLE
	+	JACKET
	+	-
IDC	RED	BLACK
SLC	N/A	N/A
24V	RED	BLACK
DOOR HOLDERS	PINK	PURPLE
NAC (2-WIRE)		
HORN & STROBE	YELLOW	BLUE
NAC (4-WIRE)		
SPEAKER	YELLOW	BLUE
STROBE	RED	BLACK

NOTE:  
1: NOT ALL CABLES ARE USED ON ALL PROJECTS.



OSFM NOTES

1. SCOPE OF WORK: FURNISH EQUIPMENT, SPECIALTY CABLE AND DEVICES. FURNISH SHOP DRAWINGS, AND PROGRAMMING FOR A FIRE ALARM SYSTEM AS SHOWN ON THESE DRAWINGS AND AS PER CONTRACT DRAWINGS AND SPECIFICATIONS.
2. THE FIRE ALARM SHALL CONFORM TO ARTICLE 760 OF THE 2016 CEC.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE CALIFORNIA STATE FIRE MARSHAL.
4. A MINIMUM OF 72 HOURS NOTICE SHALL BE REQUIRED FOR ANY TESTING AND/OR INSPECTION.
5. ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.
6. A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM THE APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT.
7. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.
8. A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE CALIFORNIA STATE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.

FIRE ALARM SYSTEM MATERIAL LIST														
SYMBOL	PART #	QTY.	DESCRIPTION	MANUFACTURER	CSFM #	BACKBOX*								
						MOUNTING	SIZE* WxHxD	TRIM RING*						
[E3P]	E3	1	FIRE ALARM VOICE TRANSPONDER (NODE 1 & 2)	GAMEWELL/FCI	7165-1703:125	SURFACE	19.3"x30"x4.5"	N/A						
	LCD-E3	1	LCD KEYPAD & DISPLAY											
	LI-MB-E3	1	INTELLIGENT LOOP INTERFACE BOARD (MAIN)											
	1100-1324	1	INI-VGX-UTP COPPER VOICE GATEWAY											
	PM-9	1	120VAC 9A POWER SUPPLY											
	AM-50-70	1	50W, 70V AUDIO AMPLIFIER (4 MAX)											
	DACT-E3	1	DIGITAL ALARM COMMUNICATOR											
	E3ID2-C	1	3-BAY INNER DOOR											
	E3BB-RC/INCC	1	"C" SIZE ENCLOSURE (RED)											
	E3-INX-CPLATE	1	MOUNTING PLATE											
[E3P2]	900375	1	PM-9 ADAPTER PLATE FOR INI-VG CARD	MK BATTERY	N/A	SURFACE	19.3"x30"x4.5"	N/A						
	ES17-12	2	12VDC 18AH LEAD ACID BATTERY											
	INX	1	FIRE ALARM VOICE TRANSPONDER (NODE 3 & 4)											
	LI-MB-E3	1	INTELLIGENT LOOP INTERFACE BOARD (MAIN)											
	1100-1324	1	INI-VGX-UTP COPPER VOICE GATEWAY											
	PM-9	1	120VAC 9A POWER SUPPLY											
	AM-50-70	3	50W, 70V AUDIO AMPLIFIER (4 MAX)											
	E3BB-RC/INX	1	"C" SIZE TRANSPONDER ENCLOSURE (RED)											
	E3-INX-CPLATE	1	MOUNTING PLATE											
	900375	1	PM-9 ADAPTER PLATE FOR INI-VG CARD											
[LOC]	ES17-12	2	12VDC 18AH LEAD ACID BATTERY	MK BATTERY	N/A	SURFACE	19.25"x10"x3"	N/A						
	LOC	1	FIRE ALARM LOC (NODE 63 & 64)											
	1100-1324	1	INI-VGX-UTP COPPER VOICE GATEWAY											
	1100-0505	1	NETWORK GRAPHIC ANNUNCIATOR											
	1100-0452	1	INCC-MIC PAGING MICROPHONE MODULE											
	E3ID3-A	1	AA SIZE INNER DOOR (3 SLOT)											
	E3BB-RAA	1	AA SIZE ENCLOSURE (RED)											
	HPFFB	1	REMOTE POWER SUPPLY											
	ADM-2SF	1	ADDRESSABLE CONTROL MODULE											
	ES12-7	2	12VDC/7AH BATTERY											
[MS-7ASF]	MS-7ASF	5	MANUAL PULL STATION	GAMEWELL/FCI	7315-1637:102 7300-1703:102	SURFACE	16.65"x19"x5.2"	N/A						
	ASD-PL2F	105	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR											
	B21OLP	1	LOW PROFILE DETECTOR BASE											
	ATD-L2F	1	ADDRESSABLE 135F HEAT DETECTOR											
	B21OLP	84	DETECTOR BASE											
	ATD-HL2F	1	ADDRESSABLE 190F HEAT DETECTOR											
	B21OLP	18	DETECTOR BASE											
	MSC-COF	18	ADDRESSABLE MULTI-CRITERIA DETECTOR											
	B21OLP	1	DETECTOR BASE											
	ADM-2RF	1	ADDRESSABLE RELAY MODULE											
[SPSRL]	SPSRL	5	SPEAKER & MULTI-CANDELA STROBE (WALL) RED	SYSTEM SENSOR	7320-1653:505	FLUSH	4" SQ. DEEP	4" SQ. EXT.						
	SPSCL	66	SPEAKER & MULTI-CANDELA STROBE (CLG) RED											
	SCRL	1	MULTI-CANDELA STROBE (CLG) RED											
	SPRK	11	OUTDOOR SPEAKER (WALL) RED											
	SSU06B85	1	FAD DOCUMENT BOX											
	SAE	-	-						SURFACE	N/A	N/A			
	* NOTES: 1. ALL REQUIRED BACKBOXES, TRIM RINGS, ENCLOSURES, COVER PLATES, ETC. ARE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED ABOVE. 2. ANY DEVIATION FROM LISTED EQUIPMENT SHALL BE APPROVED PRIOR TO "ROUGH-IN".													

CABLE SCHEDULE

TYPE	LINE	DESCRIPTION	USE	PROVIDED BY:	INSTALLED BY:
DEVICES BOXES WILL BE STUBBED TO ACCESSIBLE CEILINGS. CABLES INSTALLED ON J-HOOKS AT 4'-0" ON CENTER					
S	---	WEST PENN D990 (2#16 UTP FPL)	SLC (INITIATION CIRCUIT) INTERIOR	EKC	EKC
SU	---	WEST PENN A0225 (2#16 UTP FPL)	SLC (INITIATION CIRCUIT) EXTERIOR	EKC	EKC
N	---	WEST PENN 9985 (2#12 UTP FPL)	VISUAL (NOTIFICATION CIRCUIT) INTERIOR	EKC	EKC
V	---	WEST PENN 9945 (2#14 UTP FPL)	SPEAKER (NOTIFICATION CIRCUIT) INTERIOR	EKC	EKC
NU	---	WEST PENN A0227 (2#12 UTP FPL)	VISUAL (NOTIFICATION CIRCUIT) EXTERIOR	EKC	EKC
VU	---	WEST PENN A0226 (2#14 UTP FPL)	SPEAKER (NOTIFICATION CIRCUIT) EXTERIOR	EKC	EKC
CABLE DESCRIPTION ABBREVIATIONS					
ABBREV.	DEFINITION	ABBREV.	DEFINITION	ABBREV.	DEFINITION
FPL	FIRE ALARM POWER-LIMITED	OS	OVERALL SHIELDED CABLE	STP	SHIELDED TWISTED PAIR
FPLP	FIRE ALARM POWER-LIMITED, PLENUM	SOL	SOLID CONDUCTOR	US	UNSHIELDED CABLE
FPLR	FIRE ALARM POWER-LIMITED, RISER	STR	STRANDED CONDUCTOR	UTP	UNSHIELDED TWISTED PAIR

CONTRACTOR'S NOTES

1. SHOWN IN THIS DRAWING SET IS EKC ENTERPRISES ENGINEERED FIRE ALARM SYSTEM PER CONTRACTUAL DESIGN DRAWINGS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOT DEVIATE BY MORE THAN 5% FROM THE FINAL APPROVED SHOP DRAWINGS.
3. WIRE RUNS HAVE BEEN ENGINEERED TO COMPLY WITH SPECIFIC VOLTAGE DROP REQUIREMENTS. ANY DEVIATION FROM SHOWN WIRE RUNS, WHICH RESULTS IN NON-COMPLIANCE WITH VOLTAGE DROP REQUIREMENTS, SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
4. IF WIRING IS INSTALLED BY ANOTHER CONTRACTOR AND THAT CONTRACTOR DEVIATES BY MORE THAN 5% FROM THE SHOP DRAWINGS, THAT CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ADDITIONAL ENGINEERING COSTS THAT MAY ARISE TO ACCOMMODATE INCLUSION OF THESE DEVIATIONS ON RECORD DRAWINGS (AS-BUILTS).
5. THESE SUBMITTED SHOP DRAWINGS ARE COMPLETE. EKC ENTERPRISES SHALL NOT BEAR ANY ADDITIONAL COSTS OF RE-ENGINEERING RECORD DRAWINGS (AS-BUILTS).
6. EKC ENTERPRISES SHALL NOT BEAR ANY LIABILITY FOR ENGINEERED DESIGN IF MORE THAN 5% DEVIATION HAS OCCURRED DURING INSTALLATION.
7. ALL 120VAC POWER SOURCES SHALL BE ON DEDICATED CIRCUITS WITH A CIRCUIT BREAKER LOCK AND A LABEL IN ACCORDANCE WITH NFPA 72.
8. ALL 24VDC & SLC WIRE TO BE INSTALLED IN DEDICATED CONDUIT SEPARATE FROM 120VAC WIRING.
9. ALL SMOKE DETECTORS AND SIGNAL LINE CIRCUIT (SLC) WIRING SHALL BE INSTALLED MINIMUM 3 FEET FROM ELECTRONIC BALLAST (LIGHTING FIXTURES).
10. THE INSTALLATION INSTRUCTIONS PROVIDED WITH THE DEVICE SUPERSEDES ANYTHING THAT MAY APPEAR ON THESE DOCUMENTS.
11. IT IS THE INSTALLERS RESPONSIBILITY TO INSURE HE IS INSTALLING THE DEVICES PER MANUFACTURES INSTRUCTIONS.
12. ALL WIRING IS TO BE CONTINUOUS FROM DEVICE TO DEVICE. DEVICE LOCATIONS ARE NOT TO BE MADE INTO JUNCTION BOXES WITHOUT EKC ENTERPRISES PRIOR WRITTEN APPROVAL. EKC ENTERPRISES IS NOT RESPONSIBLE TO MAKEUP WIRING AT JUNCTION BOXES OR WIRING AT DEVICE LOCATIONS THAT IS NOT ASSOCIATED WITH THAT RESPECTIVE DEVICE.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE WORK AVAILABLE FOR INSPECTION.
14. IF USING A RADIO TRANSMITTER THEN IT WILL BE USED AS A SINGLE TRANSMISSION PATH.
15. CONTRACTOR REQUIRED TO PROVIDE DECIBEL METER DURING FINAL ACCEPTANCE TESTING TO FIELD VERIFY AUDIBLE CHARACTERISTICS.
16. HVAC SYSTEMS THAT FLOW A CUMULATIVE 2,000 CFM OF SUPPLY AIR MUST BE INTERCONNECTED TO THE FIRE ALARM SYSTEM AND HAVE AUTOMATIC SHUT OFF. EACH HVAC UNIT MUST SHUT WHEN ANY UNIT DETECTS SMOKE.
17. INSTALLATION WILL COMPLY WITH SECTION 300.21 OF CALIFORNIA ELECTRIC CODE, REGARDING PENETRATIONS THROUGH FIRE RESISTIVE ASSEMBLIES TO PREVENT THE SPREAD OF FIRE AND TOXIC PRODUCTS OF COMBUSTION.
18. ALL OTHER EXTINGUISHING SYSTEMS WILL BE/OR ARE INTERCONNECTED TO THE FIRE ALARM CONTROL PANEL AS REQUIRED.
19. FIRE ALARM RECORD OF COMPLETION TO BE PROVIDED TO AT THE FINAL INSPECTION.
20. A COMPLETED COPY OF THE APPROVED PLAN SET SHALL BE ON SITE DURING ANY FIRE DEPARTMENT INSPECTION.
21. A DOCUMENT BOX SHALL BE PROVIDED ADJACENT TO THE MAIN FACP AND CONTAIN THE FOLLOWING: OPERATION & MAINTENANCE MANUAL, RECORD DRAWINGS, & TESTING FORMS.

PROJECT INFORMATION

SCOPE OF WORK:  
FURNISH EQUIPMENT, SPECIALTY CABLE AND DEVICES. FURNISH SHOP DRAWINGS, AND PROGRAMMING FOR A FIRE ALARM SYSTEM AS SHOWN ON THESE DRAWINGS AND AS PER CONTRACT DRAWINGS AND SPECIFICATIONS.

CBC OCCUPANCY CLASSIFICATION:  
B - BUSINESS (ADMINISTRATION OFFICE)  
A2.1 - ASSEMBLY (CAFETERIA)  
E - EDUCATION (CLASSROOMS)

FIRE SPRINKLER REQUIREMENTS:  
BUILDINGS ARE NOT SPRINKLERED.

PATHWAY CLASS:  
CLASS B (NFPA 72, 2016 12.3.2)

PATHWAY SURVIVABILITY:  
LEVEL 0 (NFPA 72, 2016 12.4.1)

SYSTEM REQUIREMENTS:  
THIS SYSTEM IS REQUIRED PER THE CALIFORNIA BUILDING CODE.  
THIS SYSTEM IS IN COMPLIANCE WITH ADA.

CENTRAL STATION INFORMATION:  
THIS SYSTEM IS MONITORED BY:  
DEALER: ELITE ALARM, INC. C10# 999925 ACO# 7474 844-903-5483

LIST OF CALIFORNIA CODE OF REGULATIONS

APPLICABLE CODES:  
2016 CALIFORNIA ELECTRICAL CODE (CEC)  
2016 CALIFORNIA MECHANICAL CODE (CMC)  
2016 CALIFORNIA FIRE CODE (CFC)  
2016 CALIFORNIA BUILDING CODE (CBC)  
2016 NATIONAL FIRE ALARM & SIGNALING CODE (NFPA 72)

DRAWING INDEX

SHEET: DESCRIPTION:  
FA-1 COVER  
FA-2 NOTES  
FA-3 ADMINISTRATION & CAFETERIA  
FA-4 CLASSROOMS 1 THROUGH 11  
FA-5 CLASSROOMS 12 THROUGH 16  
FA-6 EAST PORTABLE CLASSROOMS  
FA-7 WEST PORTABLE CLASSROOMS  
FA-8 RISER DIAGRAM  
FA-9 CALCULATIONS & OPERATION MATRIX  
FA-10 PANEL & DEVICE WIRING DETAILS

MAP

THESE DRAWINGS HAVE BEEN REVIEWED AND DO CONFORM TO THE APPLICABLE CODES AND STANDARDS AS STATED ON SHEET FA-1 & FA-2.

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CUSTOMER:  
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1902 HOWARD ROAD  
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PROJECT: FIRE ALARM SYSTEM  
JOHN ADAMS ELEMENTARY  
FIRE ALARM REPLACEMENT  
1822 NATIONAL AVENUE  
MADERA, CA 93637

C-10 LICENSE #  
916095  
ELITE ALARM INC ACO #  
7474  
NICET LEVEL 3 #  
90089

REV # DATE

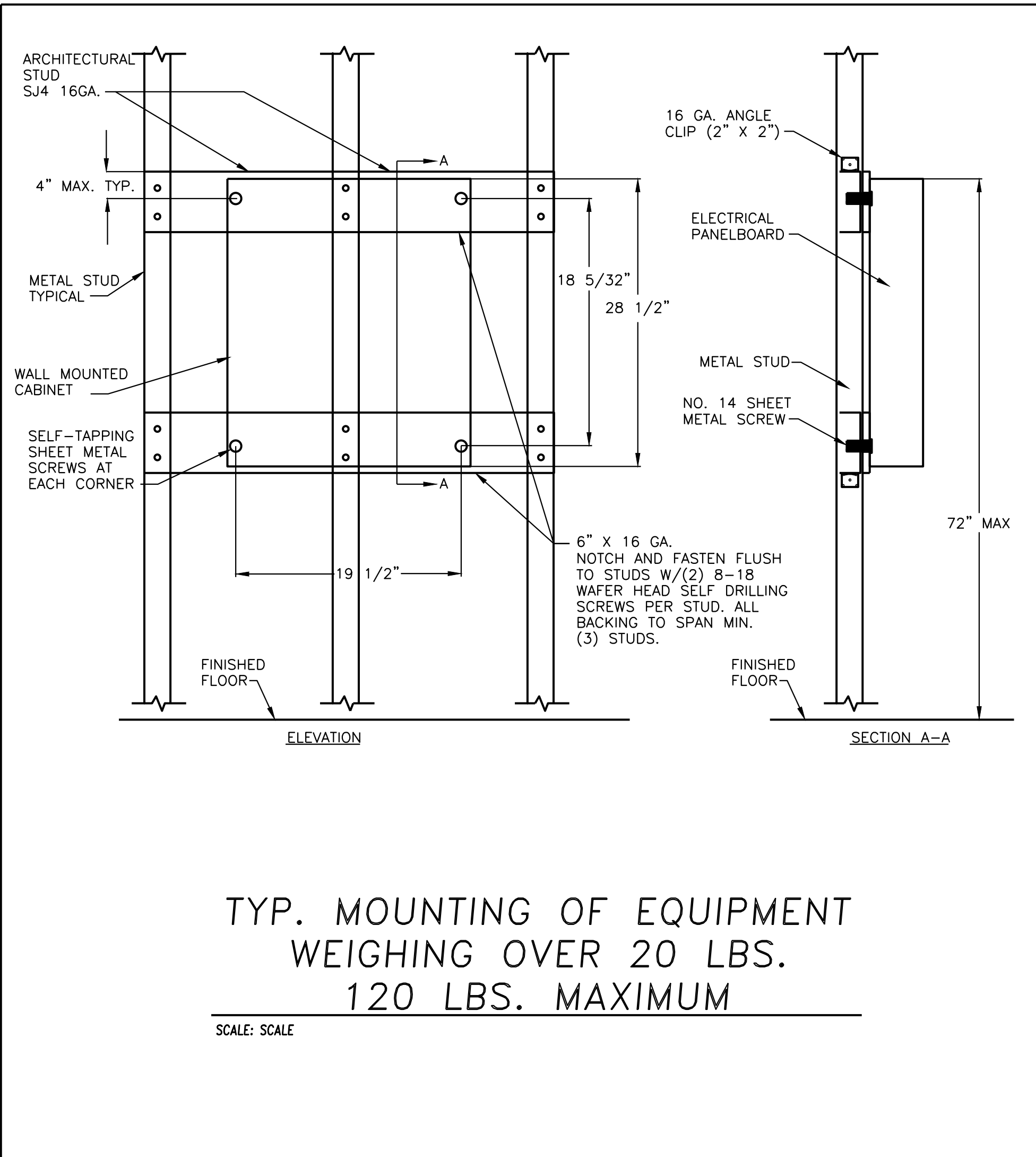
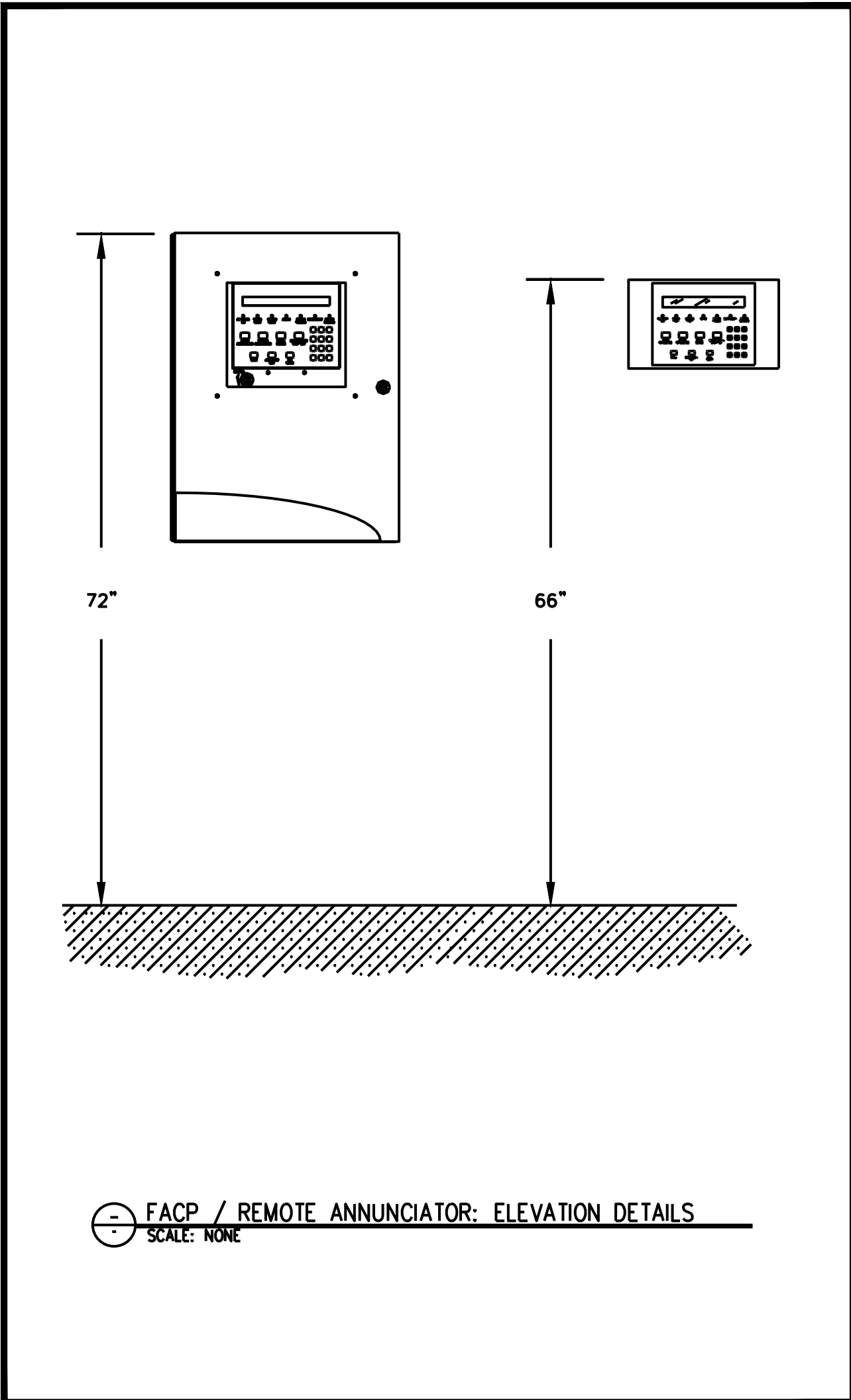
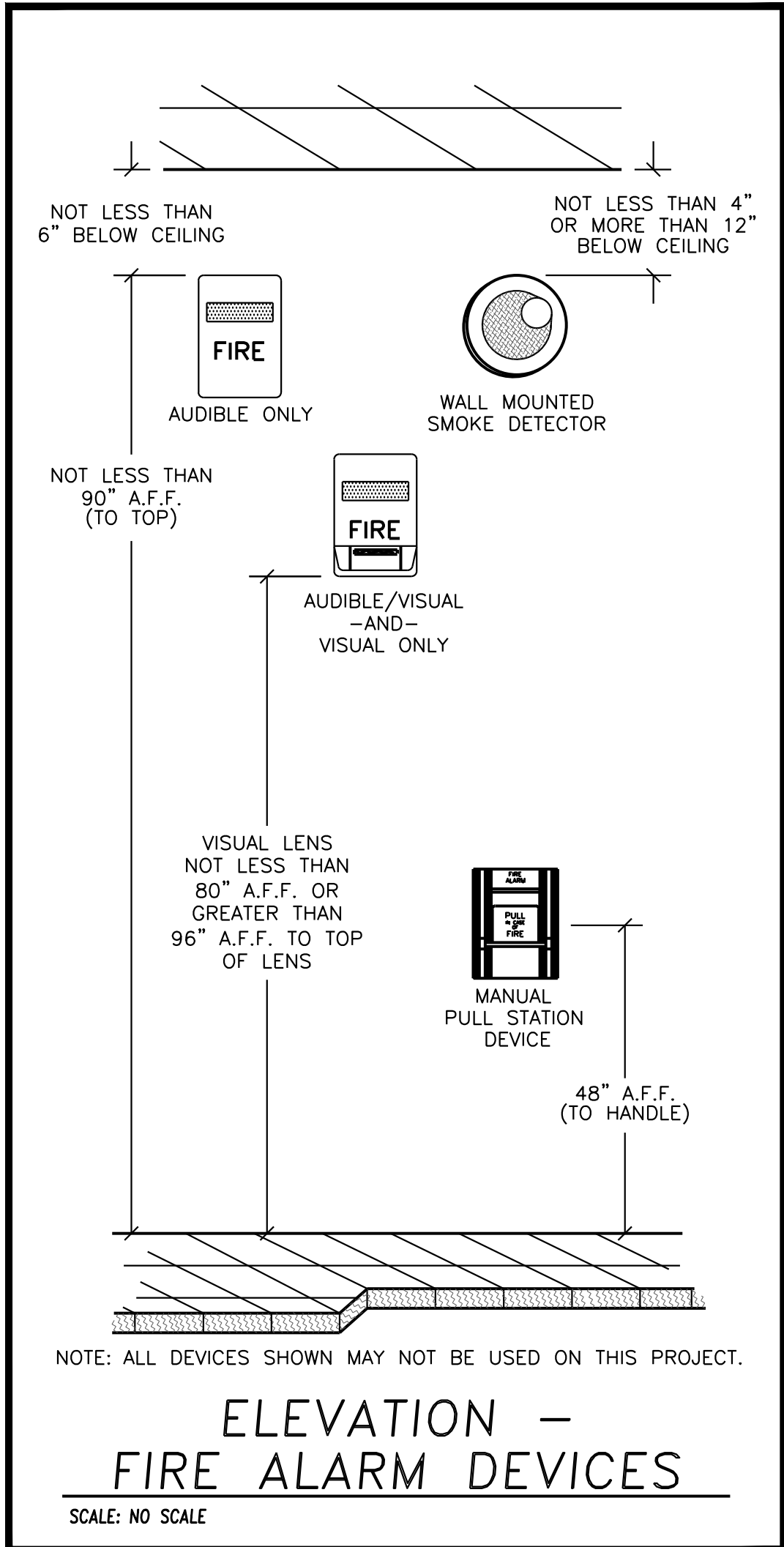
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4/16/18

PROJECT #:  
C18-0030

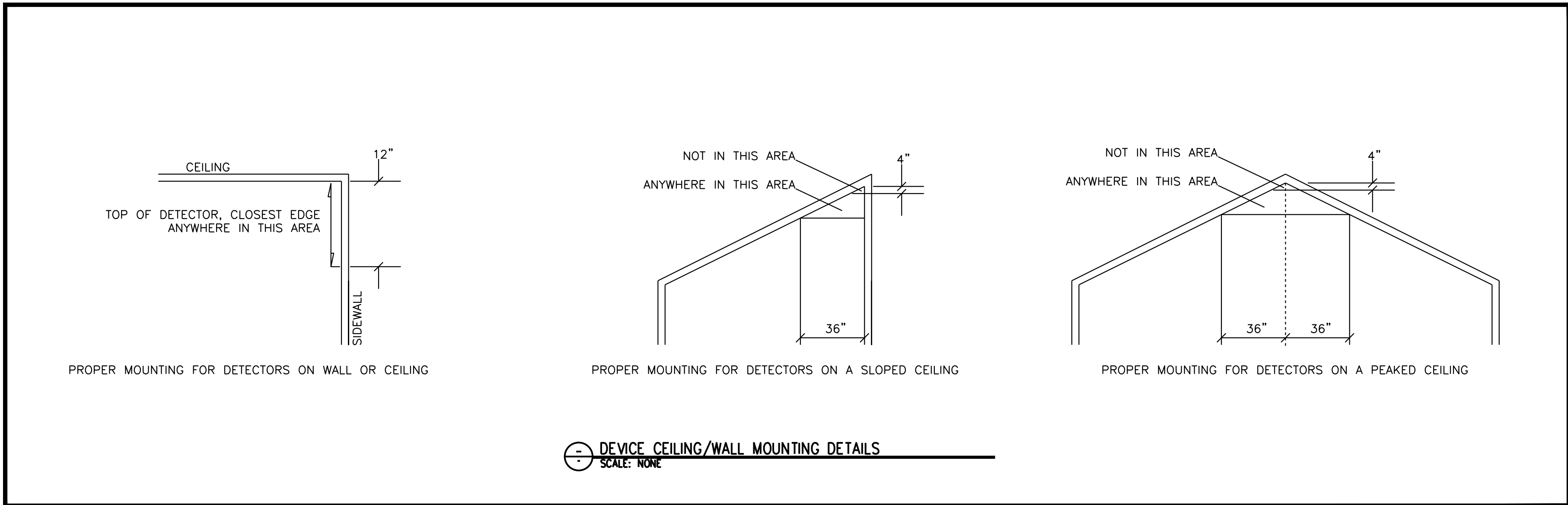
SHEET #:  
FA-1  
OF SHEETS  
FIRE ALARM SYSTEM  
COVER SHEET

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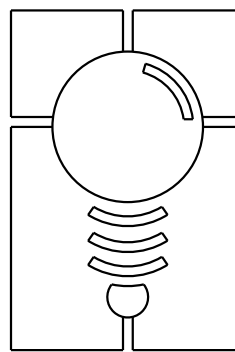


MISCELLANEOUS SYMBOLS AND ABBREVIATIONS					
SYM./ABBREV.	PART #	DESCRIPTION	SYM./ABBREV.	PART #	DESCRIPTION
	(FBO)	JUNCTION BOX	EOLR (FBEC)	N/A	END-OF-LINE RELAY FURNISHED BY ELECTRICAL CONTRACTOR
		SIGNAL TERMINAL BACKBOARD	(FBFS) (FBMC)		FURNISHED BY FIRE SPRINKLER CONTRACTOR FURNISHED BY MECHANICAL CONTRACTOR
		SIGNAL TERMINAL CABINET	(FBO) FSR		FURNISHED BY OTHERS FIRE SPRINKLER RISER
		2#12, 1#12G THHN/THWN IN CONDUIT	IDC		INITIATING DEVICE CIRCUIT (HARDWIRED INITIATION CIRCUIT/ZONE)
		MECHANICAL UNIT	(N) N/A		NEW NOT APPLICABLE
	N/A	UNDERGROUND PULLBOX	NAC	N/A	NOTIFICATION APPLIANCE CIRCUIT (SIGNALING CIRCUIT)
		FUSE/FUSE BLOCK (X = AMPERAGE)	NC		NORMALLY CLOSED
		END-OF-LINE RESISTOR	NO		NORMALLY OPEN
		120VAC POWER	P		PEAK (INSTALL DEVICE WITHIN 4' OF PEAK)
		ABOVE FINISHED FLOOR	PIV		POST INDICATOR VALVE
		COMMON	SLC		SIGNALING LINE CIRCUIT (ADDRESSABLE INITIATION LOOP)
		EXISTING	TYP.		TYPICAL
		END-OF-LINE RESISTOR	UON		UNLESS OTHERWISE NOTED
			Z		ZONE

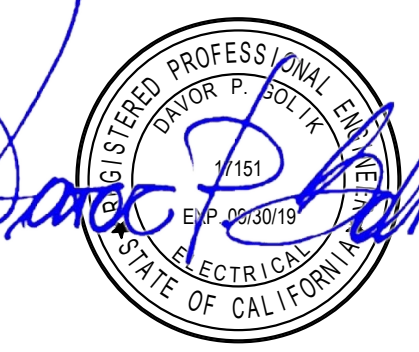


- GENERAL NOTES:**
- NO WORK ON THE FIRE ALARM SYSTEM SHALL BEGIN WITHOUT APPROVED PLANS AND SIGNED PERMITS.
  - ANY DEVIATION FROM THE DESIGN AND LOCATION OF EQUIPMENT SHOWN MUST FIRST HAVE A WRITTEN APPROVAL FROM EKC ENTERPRISES. ANY DEVIATION FROM DESIGN MUST ALSO BE INDICATED ON EKC ENTERPRISES SHOP DRAWINGS AND RETURNED TO EKC ENTERPRISES AT TIME OF JOB COMPLETION. ANY CHANGES MUST BE RESUBMITTED TO THE AHJ FOR APPROVAL.
  - ALL WIRING SHALL BE SUPERVISED.
  - WIRING SHALL NOT BE LOOPED THROUGH DEVICE TERMINALS. WIRE MUST BE CUT FOR IN AND OUT CIRCUITS.
  - "T"-TAPPING OF WIRING IS PROHIBITED, EXCEPT FOR CLASS "B"/STYLE "4" SIGNALING LINE CIRCUIT (SLC) ADDRESSABLE LOOP WIRING.
  - THE FIRE ALARM CONTROL PANEL AND POWER EXTENDER PANELS ARE NOT TO BE USED AS A TERMINAL CABINET. ALL WIRING INTO PANELS SHALL BE LANDED ONTO APPROPRIATE TERMINAL ONLY. NO SPLICING OR THROUGH WIRING WILL BE ALLOWED IN PANELS.
  - ALL FIRE ALARM WIRING MUST TEST FREE OF OPENS, SHORTS, AND GROUNDS.
  - ALL WIRING MUST ENTER AT THE TOP OF THE FIRE ALARM CONTROL PANEL AND POWER EXTENDER PANELS.
  - FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE ONLY. ELECTRICAL CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS INDICATE.
  - PENETRATIONS TO FIRE-RATED ASSEMBLIES SHALL BE PROTECTED BY A U.L. APPROVED THROUGH-PENETRATION FIRE-STOP SYSTEM, IN ACCORDANCE WITH CBC CHAPTER 7.
  - UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION.
  - SYSTEM IS POWER LIMITED.
  - INSTALLATION SHALL CONFORM TO REQUIREMENTS OF ALL APPLICABLE CODES.
  - DUCT DETECTOR HOUSINGS ARE NOT TO BE MOUNTED IN EXTERIOR LOCATIONS UNLESS PRODUCT IS SPECIFICALLY DESIGNED AND LISTED FOR THIS USE. REFER TO SUBMITTED MANUFACTURERS LITERATURE FOR OPERATING TEMPERATURE AND HUMIDITY RANGES OF PRODUCT TO BE INSTALLED. LOCATE HOUSINGS IN LOCATIONS SUITABLE TO MEET PRODUCTS REQUIREMENTS.
  - SMOKE DETECTORS ARE NOT TO BE LOCATED WITHIN 3' OF ANY SUPPLY AIR REGISTERS, IN ACCORDANCE WITH NFPA 72, AND SHALL NOT BE PLACED WHERE RETURN AIR MOVEMENT SHALL EXCEED THE MANUFACTURERS RECOMMENDATION AS TO EFFECT THE OPERATION OF THE SMOKE DETECTOR.
  - WIRING SHALL BE PER PLAN WITH RESPECT TO CONDUCTOR SIZE, TYPE, QUANTITY AND COLOR CODE. CONDUCTORS SHALL BE PERMANENTLY MARKED FOR FUTURE IDENTIFICATION.
  - CONDUIT KNOCKOUTS ARE PROVIDED ON ALL MANUFACTURES PROVIDED BACKBOXES. DO NOT ENLARGE OR CHANGE LOCATIONS OF CONDUIT ENTRY WITHOUT PRIOR APPROVAL OF EKC ENTERPRISES.
  - ALL FIRE ALARM CIRCUITS ARE CONTINUOUS FROM DEVICE TO DEVICE.
  - DETECTOR AND AUDIBLE/VISUAL POLARITY SHALL BE OBSERVED.
  - AUDIBLE/VISUAL CIRCUIT WIRING IS SUPERVISED. NO PARALLEL BRANCHING IS PERMISSIBLE.
  - 120VAC POWER SHALL NOT BE APPLIED TO FIRE ALARM PANEL WITHOUT DIRECT SUPERVISION OF RWC TECHNICIAN.
  - STANDARD CONTROL PANEL, TERMINAL BOXES ETC. MOUNTING IS 6'-0" FROM FINISHED FLOOR TO TOP OF DEVICE UNLESS OTHERWISE NOTED.
  - INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR "AS-BUILT" PURPOSES.

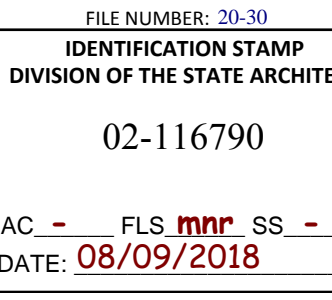
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**PROJECT: FIRE ALARM SYSTEM**  
**JOHN ADAMS ELEMENTARY**  
**FIRE ALARM REPLACEMENT**  
1822 NATIONAL AVENUE  
MADERA, CA 93637

C-10 LICENSE #  
**916095**  
ELITE ALARM INC ACO #  
**7474**  
NICET LEVEL 3 #  
**90089**

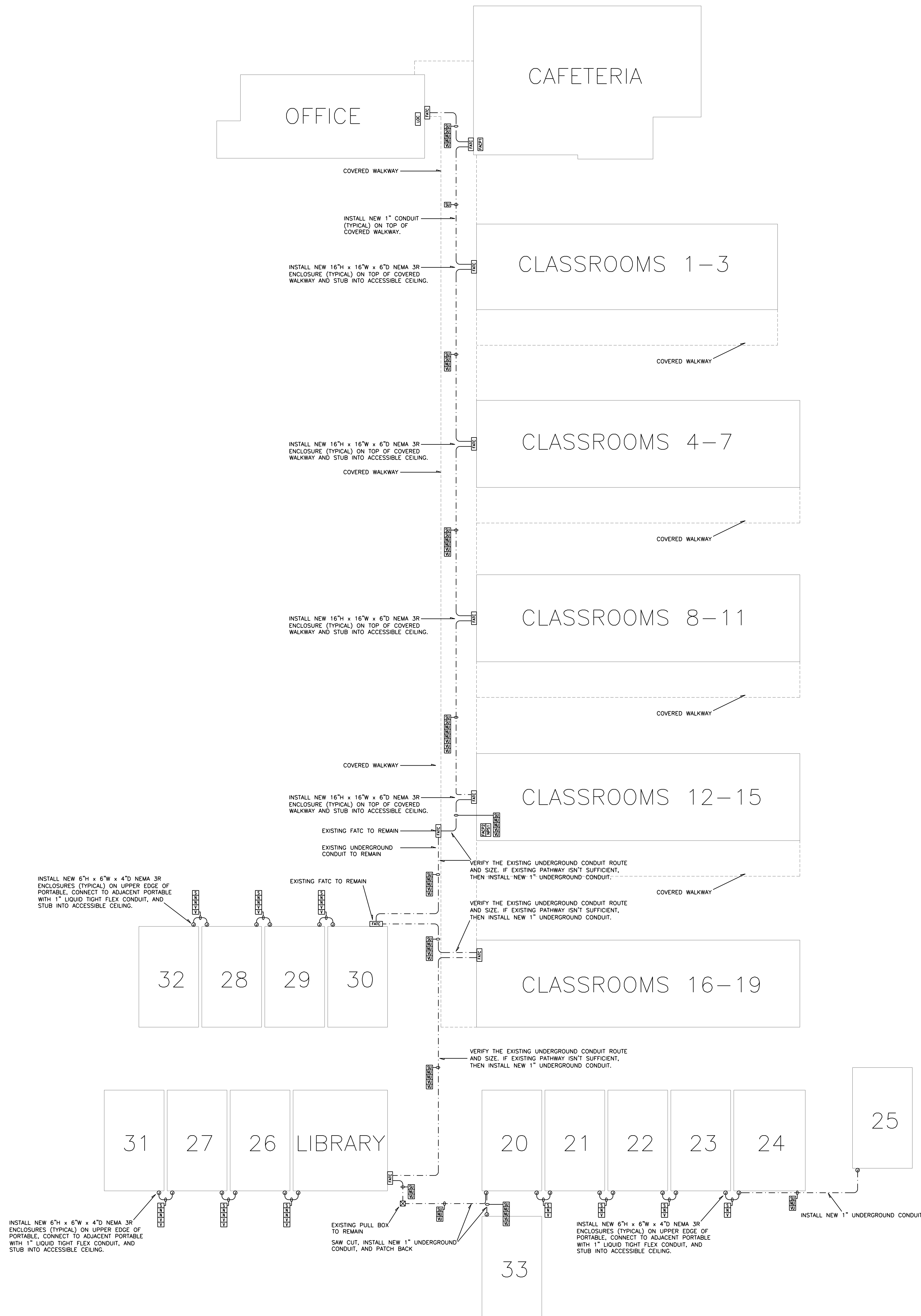
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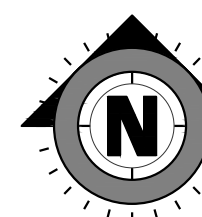
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**4/16/18**

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**C18-0030**

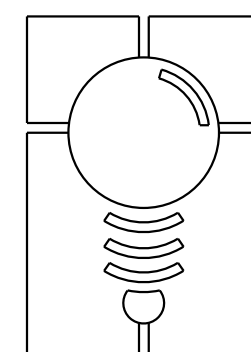
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**FA-2**  
OF SHEETS  
FIRE ALARM SYSTEM  
NOTES SHEET





 **SITE PLAN**  
SCALE: 1" = 20'-0"

THESE DRAWINGS HAVE BEEN REVIEWED AND DO CONFORM TO THE APPLICABLE CODES AND STANDARDS AS STATED ON SHEET FA-1 & FA-2.



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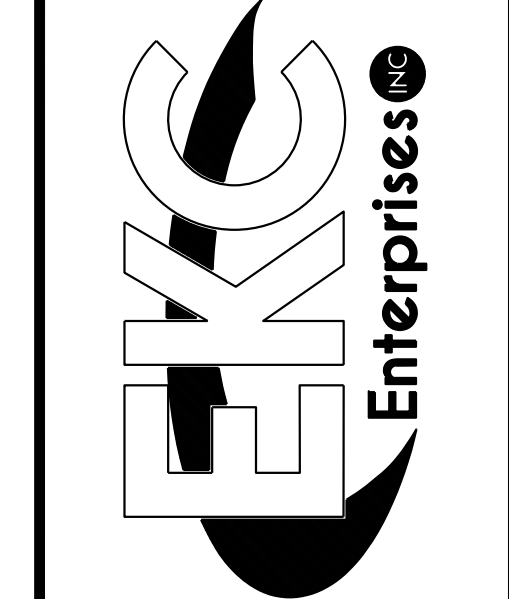


C-10 LICENSE # <b>916095</b>	
ELITE ALARM INC ACO # <b>7474</b>	
NICET LEVEL 3 # <b>90089</b>	
REV #	DATE
DATE SUBMITTED: <b>4/16/18</b>	
PROJECT #: <b>C18-0030</b>	
SHEET #: <b>FA-3</b> OF SHEETS FIRE ALARM SYSTEM LEVEL 1	

**PROJECT: FIRE ALARM SYSTEM**  
**JOHN ADAMS ELEMENTARY**  
**FIRE ALARM REPLACEMENT**  
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NICET: #90089  
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FILE NUMBER: 20-030  
IDENTIFICATION STAMP  
DIVISION OF THE STATE ARCHITECT  
02-116790  
AC - FLS **mnr** SS -  
DATE: 08/09/2018

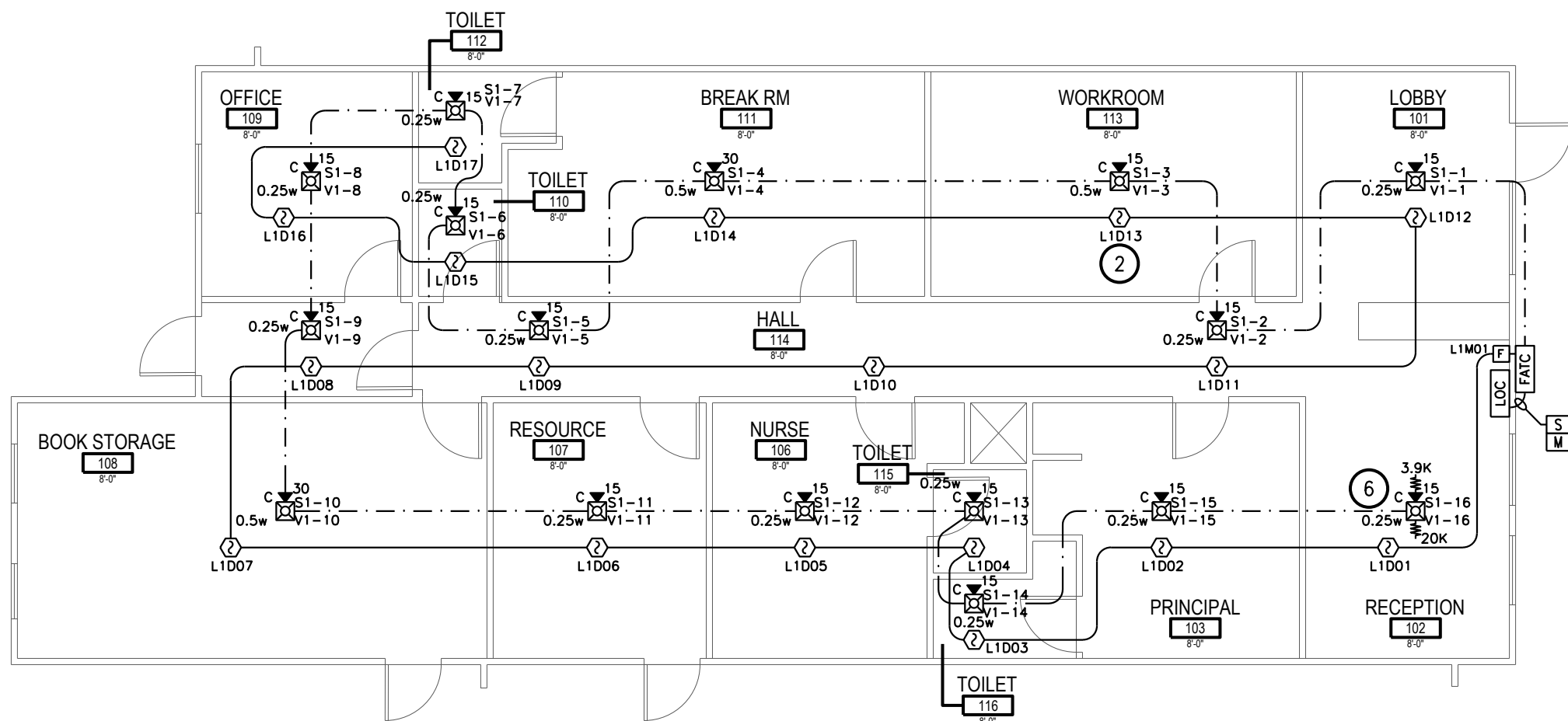


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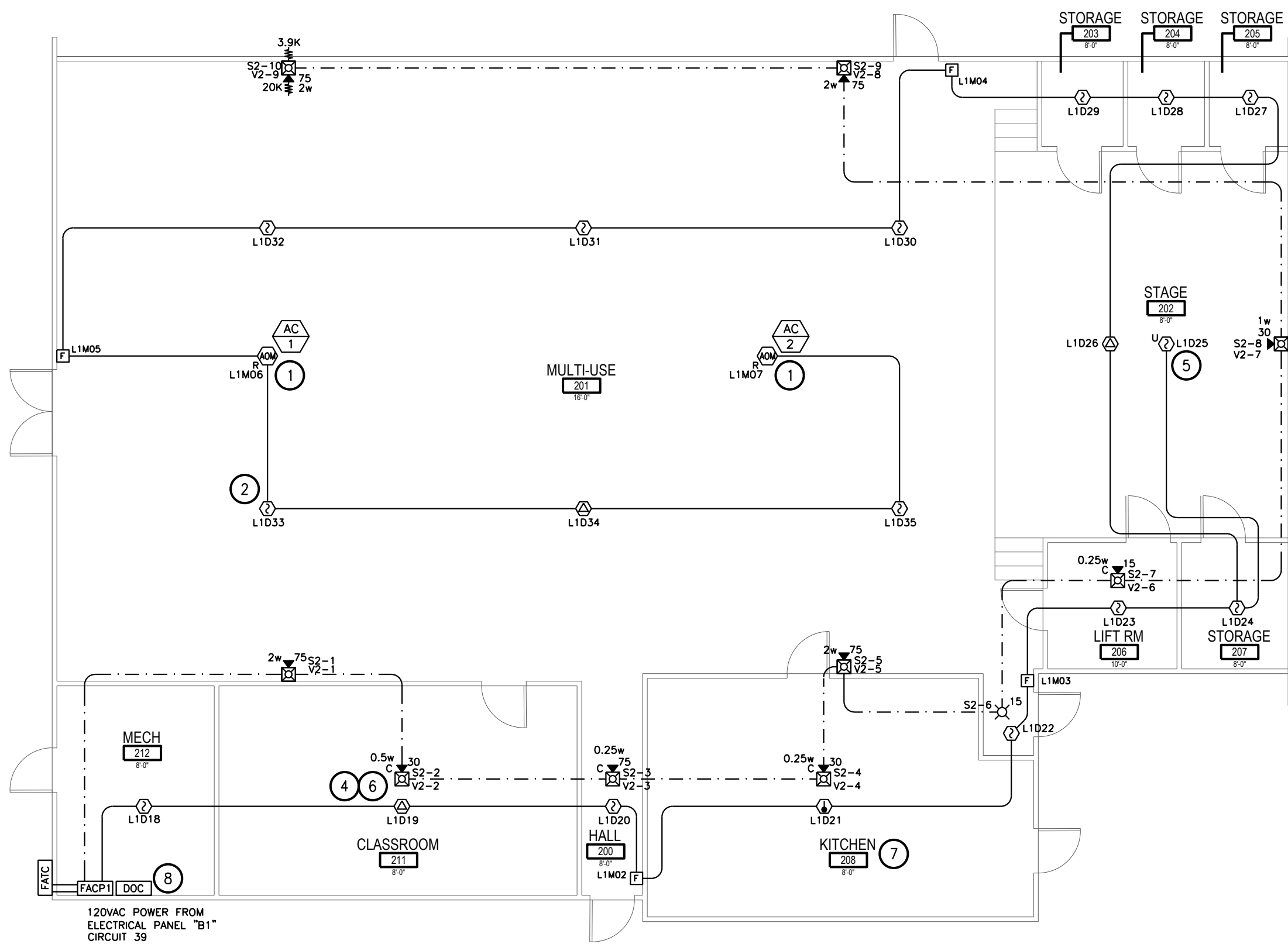
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KEYED NOTES

- 1 SHUTDOWN HVAC UNIT FAN UPON ACTIVATION OF AREA DETECTORS IN THIS BUILDING.
- 2 VERIFY THAT SMOKE DETECTOR LOCATIONS COMPLY WITH SHEET FA-2 GENERAL NOTE 15, LIGHTING FIXTURES, AND OTHER MECHANICAL OBSTRUCTIONS (TYPICAL).
- 3 THIS BUILDING DOESN'T HAVE AN ACCESSIBLE CEILING AND THEREFORE ATTIC HEAT DETECTION ISN'T REQUIRED.
- 4 THE EXISTING ROOFTOP HVAC UNIT CONTAINS A GAS FIRED FURNACE THEREFORE CARBON MONOXIDE DETECTION IS REQUIRED.
- 5 PROVIDE AREA SMOKE DETECTION IN ACCESSIBLE AREA UNDER THE STAGE.
- 6 SEE SHEET FA-1 FOR SLC & NAC DEVICE LABEL SCHEMA.
- 7 THE KITCHEN HOOD ISN'T EQUIPPED WITH AN ANSUL SYSTEM.
- 8 FIRE ALARM RECORD DOCUMENTS CABINET
- NFPA 72, 7.2.2
- Every new Fire Alarm System shall provide a documentation cabinet, installed at the system control panel or other approved location
  - The documentation cabinet shall be prominently labeled, 'SYSTEM RECORD DOCUMENTS'.
  - All record and testing documentation shall be stored in the cabinet.
  - Contents shall be accessible by authorized personnel only.
  - Where cabinet is installed in a location other than the system control unit, its location shall be identified at the system control unit.
- SYSTEM DOCUMENTS AS APPLICABLE
- Record Drawings/As-Built
  - Equipment Cut Sheets & CA SFM Listings
  - Alternative Means and Methods
  - Performance Based Design Documentation (NFPA 72, 7.3.7)
  - System Record of Completion & any Supplemental Inspection and Testing Documentation (NFPA 72, 7.8.2)
  - Emergency Response Plan (NFPA 72, 7.3.8)
  - Evaluation Documentation (NFPA 72, 7.3.9)
  - Risk Analysis Documentation (NFPA 72, 7.3.6)
  - Software & Firmware Control Documentation (NFPA 72, 23.2.2)

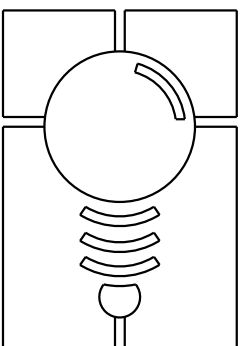


Administration ③  
SCALE: 1/8" = 1'-0"



Cafeteria ③  
SCALE: 1/8" = 1'-0"

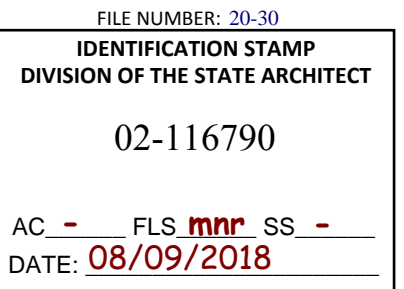
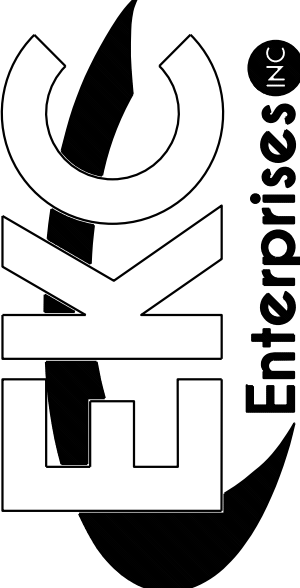
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CADD BY: GREG ALAVEZOS  
CUSTOMER:  
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PHONE: 559-675-4500

PROJECT: FIRE ALARM SYSTEM  
**JOHN ADAMS ELEMENTARY**  
**FIRE ALARM REPLACEMENT**  
1822 NATIONAL AVENUE  
MADERA, CA 93637

C-10 LICENSE #  
**916095**  
ELITE ALARM INC ACO #  
**7474**  
NICET LEVEL 3 #  
**90089**

REV #	DATE

DATE SUBMITTED:  
**4/16/18**

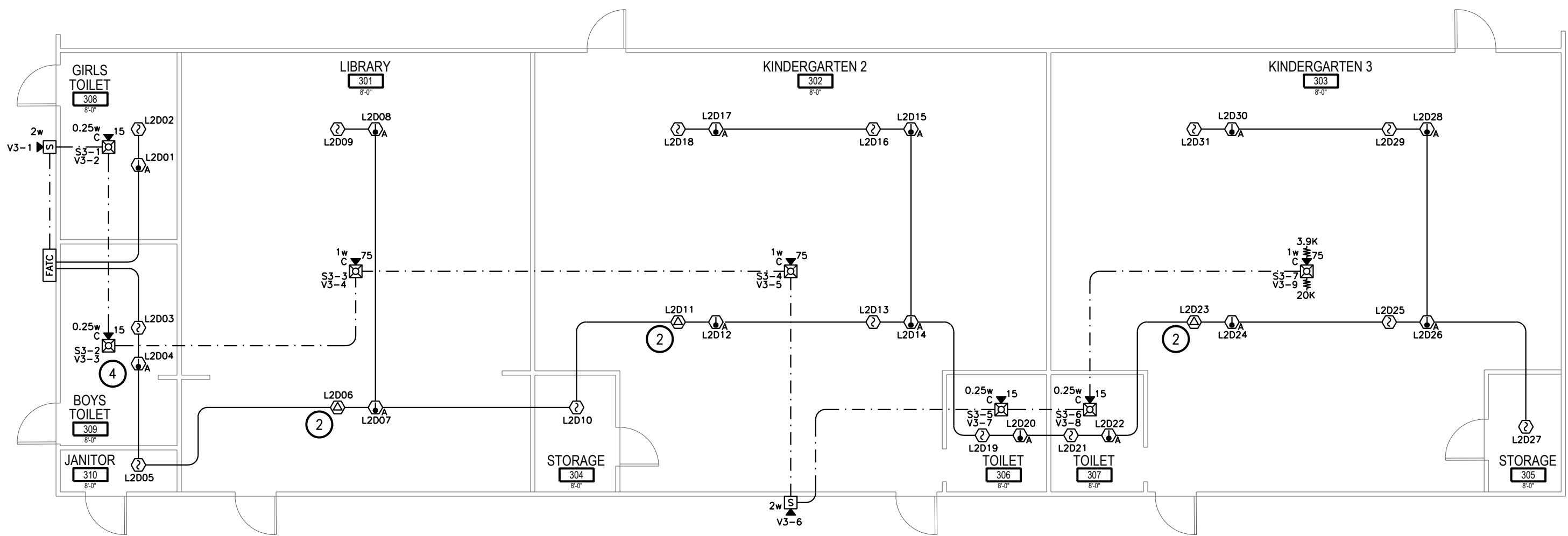
PROJECT #:  
**C18-0030**

SHEET #:  
**FA-4**  
OF SHEETS  
FIRE ALARM SYSTEM  
ADMIN & CAFETERIA



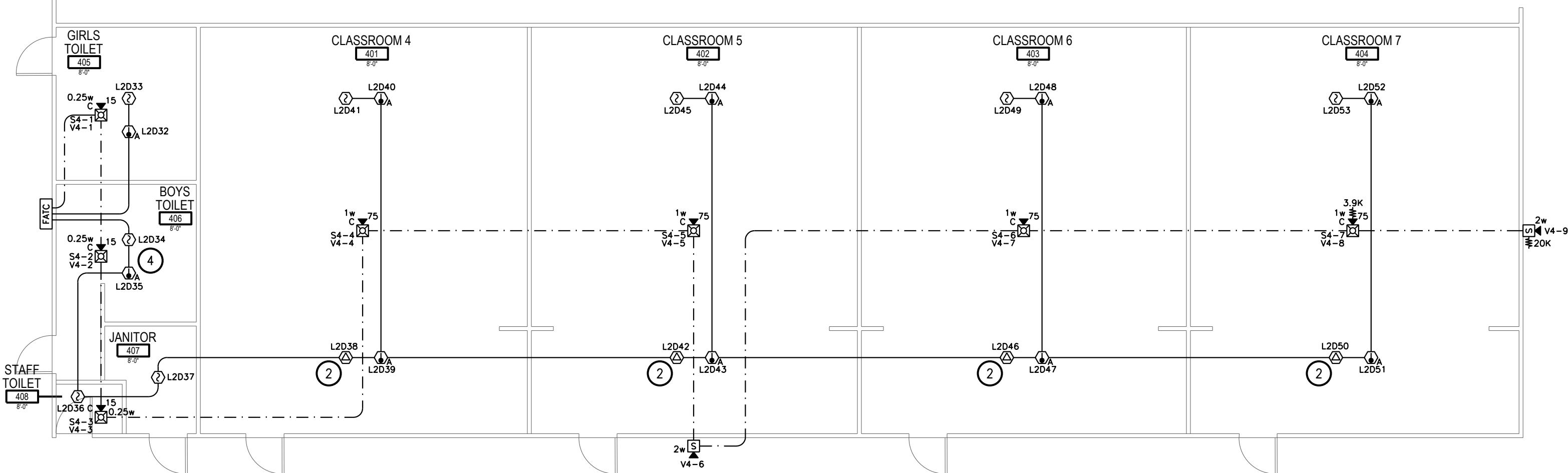
SHEET NOTES

- 1 HVAC UNITS ARE LESS THAN 2,000 CFM AND DON'T SERVE COMMON AREAS THEREFORE FAN SHUTDOWN ISN'T REQUIRED.
- 2 HVAC UNITS CONTAIN NATURAL GAS FURNACES THEREFORE CARBON MONOXIDE (CO) DETECTION IS PROVIDED.
- 3 VERIFY THAT SMOKE DETECTOR LOCATIONS COMPLY WITH SHEET FA-2 GENERAL NOTE 15, LIGHTING FIXTURES, AND OTHER MECHANICAL OBSTRUCTIONS (TYPICAL).
- 4 SEE SHEET FA-1 FOR SLC & NAC DEVICE LABEL SCHEMA.



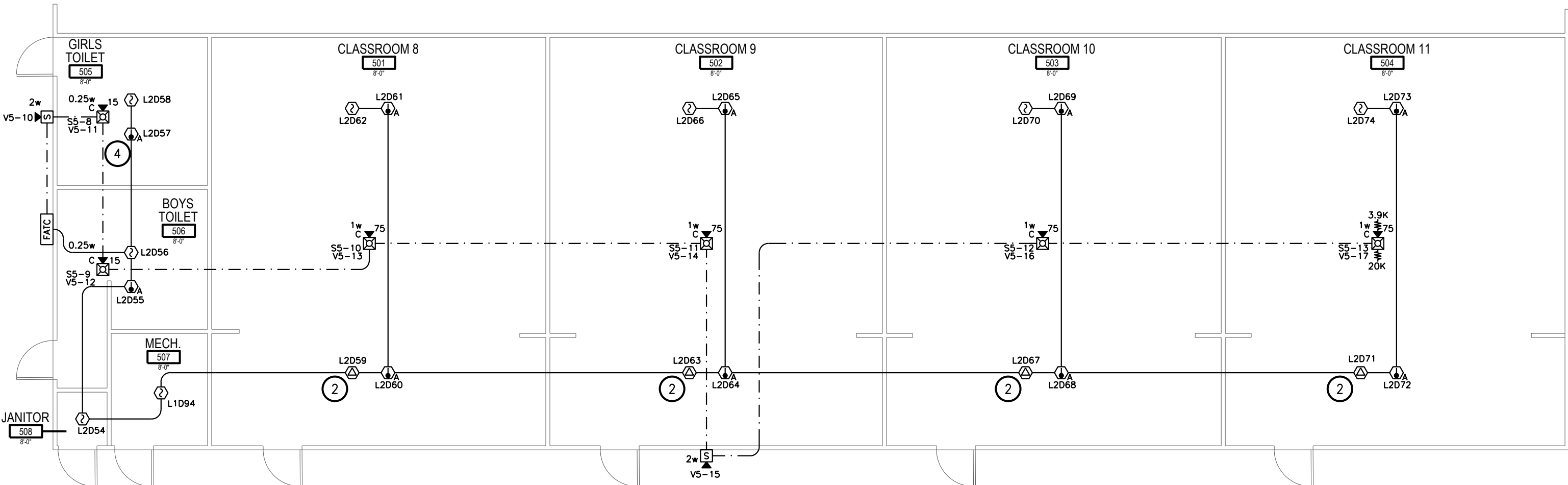
Classrooms K1 through K3

SCALE: 1/8" = 1'-0"



Classrooms 4 through 7

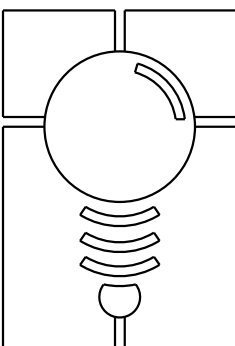
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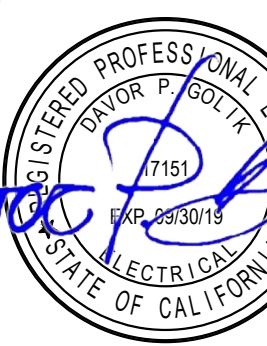
Classrooms 8 through 11

SCALE: 1/8" = 1'-0"

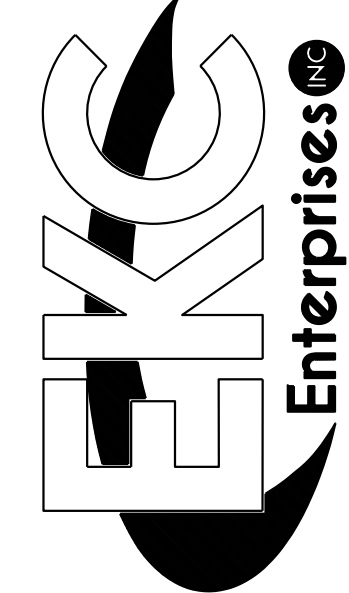
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DIVISION OF THE STATE ARCHITECT  
02-116790  
AC: - FLS: mnr SS: -  
DATE: 08/09/2018

ENGINEER: GREG ALAVEZOS  
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PROJECT: FIRE ALARM SYSTEM  
**JOHN ADAMS ELEMENTARY**  
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1822 NATIONAL AVENUE  
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C-10 LICENSE #  
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REV #	DATE

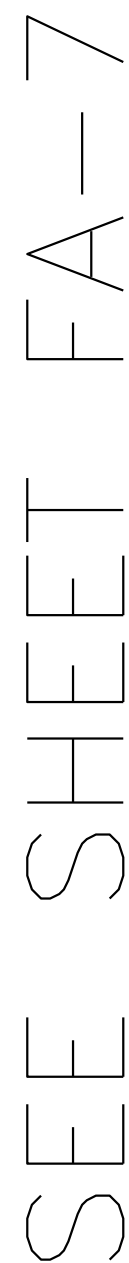
DATE SUBMITTED:  
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**C18-0030**

SHEET #:  
**FA-5**  
OF SHEETS  
FIRE ALARM SYSTEM  
CLASSROOMS

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SCALE:  $1/8" = 1'-0"$

SHEET #:

**FA-6**

OF SHEETS

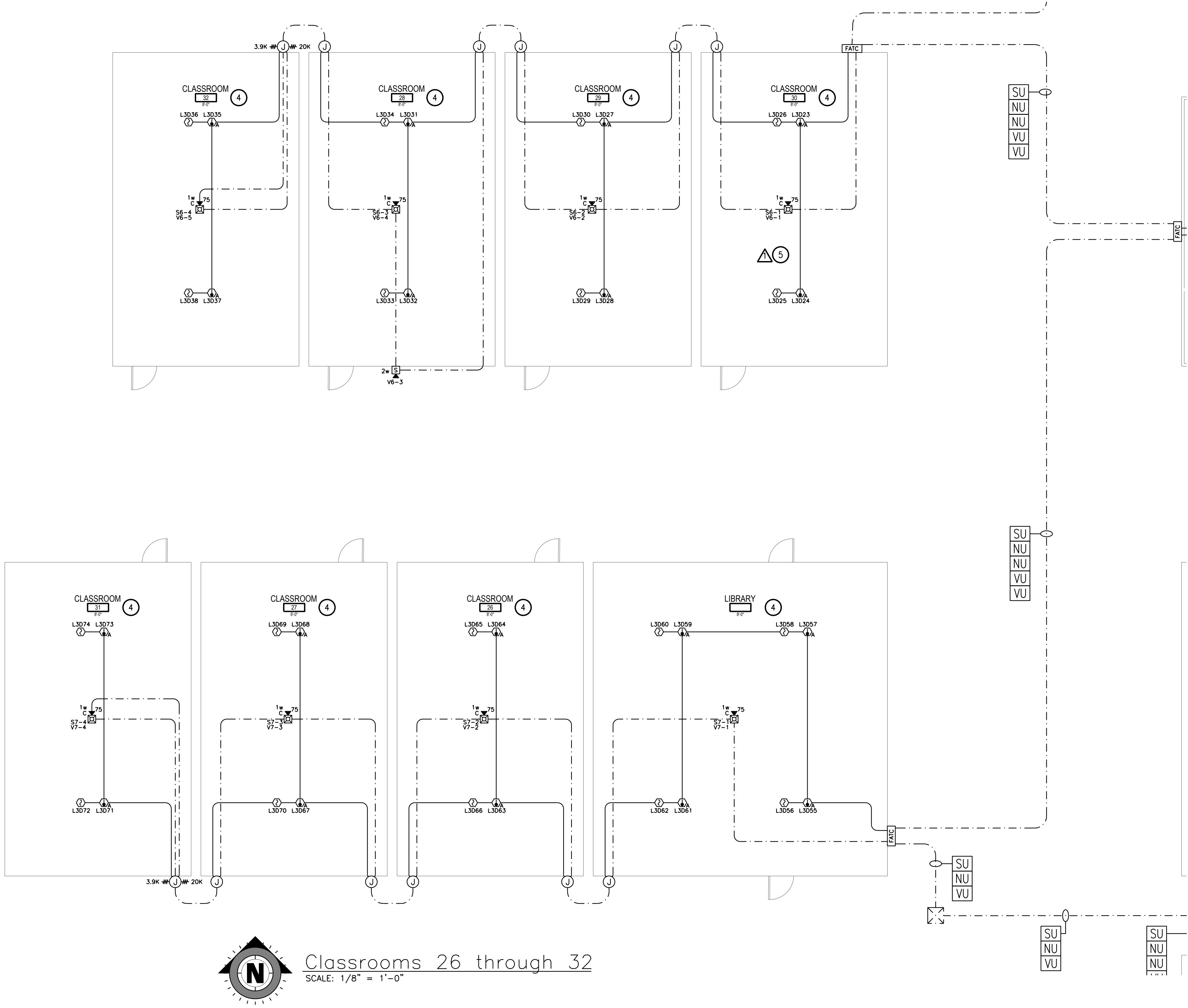
FIRE ALARM SYSTEM  
CLASSROOMS

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SHEET NOTES

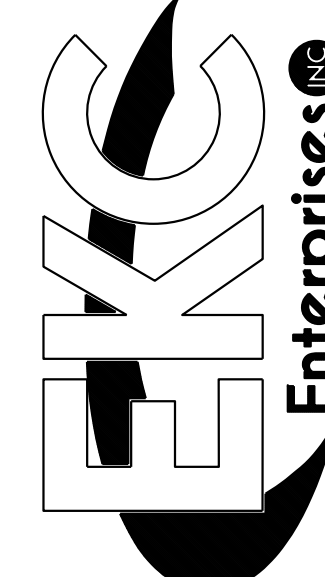
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- 3 VERIFY THAT SMOKE DETECTOR LOCATIONS COMPLY WITH SHEET FA-2 GENERAL NOTE 15, LIGHTING FIXTURES, AND OTHER MECHANICAL OBSTRUCTIONS (TYPICAL).
- 4 HVAC UNITS ARE HEAT PUMPS AND DON'T CONTAIN NATURAL GAS FURNACES THEREFORE CARBON MONOXIDE (CO) DETECTION ISN'T REQUIRED.
- 5 SEE SHEET FA-1 FOR SLC & NAC DEVICE LABEL SCHEMA.



Classrooms 26 through 32  
SCALE: 1/8" = 1'-0"

SEE SHEET FA-6

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FILE NUMBER: 20-01  
IDENTIFICATION STAMP  
DIVISION OF THE STATE ARCHITECT  
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AC - FLS mnc SS -  
DATE: 08/09/2018

ENGINEER: GREG ALAVEZOS  
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PROJECT: FIRE ALARM SYSTEM  
**JOHN ADAMS ELEMENTARY**  
**FIRE ALARM REPLACEMENT**  
1822 NATIONAL AVENUE  
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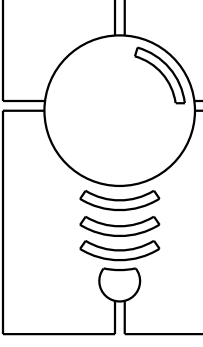
C-10 LICENSE #  
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ELITE ALARM INC ACO #  
**7474**  
NICET LEVEL 3 #  
**90089**

REV #	DATE

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**4/16/18**

PROJECT #:  
**C18-0030**

SHEET #:  
**FA-7**  
OF SHEETS  
FIRE ALARM SYSTEM  
CLASSROOMS



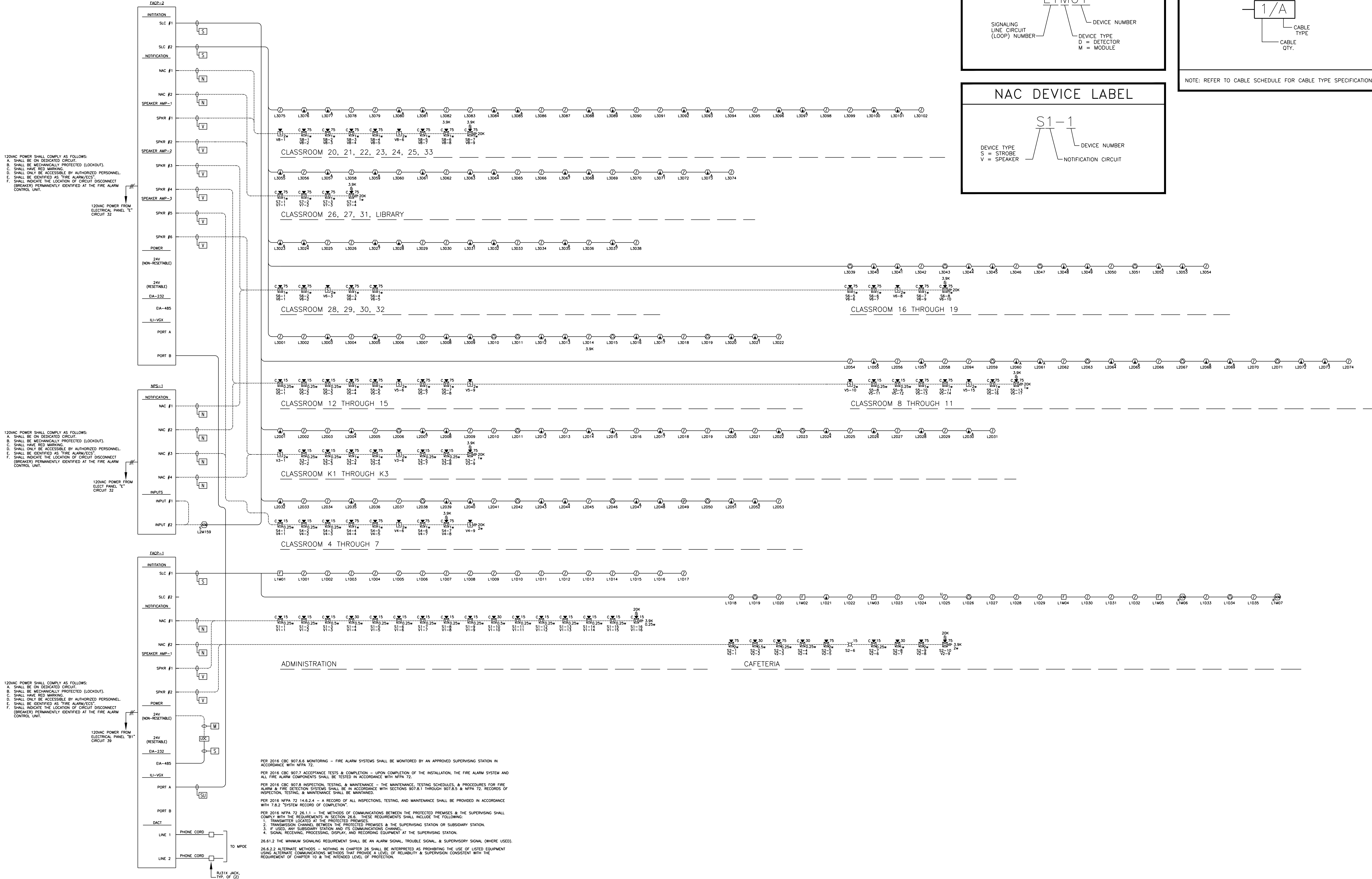
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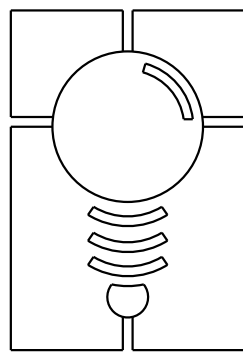
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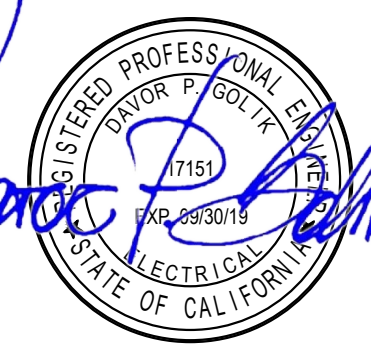


FIRE ALARM SYSTEM RISER DIAGRAMS  
SCALE: NO SCALE

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FILE NUMBER: 20-00  
IDENTIFICATION STAMP  
DIVISION OF THE STATE ARCHITECT  
02-116790  
AC - FLS mnr SS -  
DATE: 08/09/2018

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PROJECT: FIRE ALARM SYSTEM  
**JOHN ADAMS ELEMENTARY**  
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1822 NATIONAL AVENUE  
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C-10 LICENSE #  
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NICET LEVEL 3 #  
**90089**

REV #	DATE

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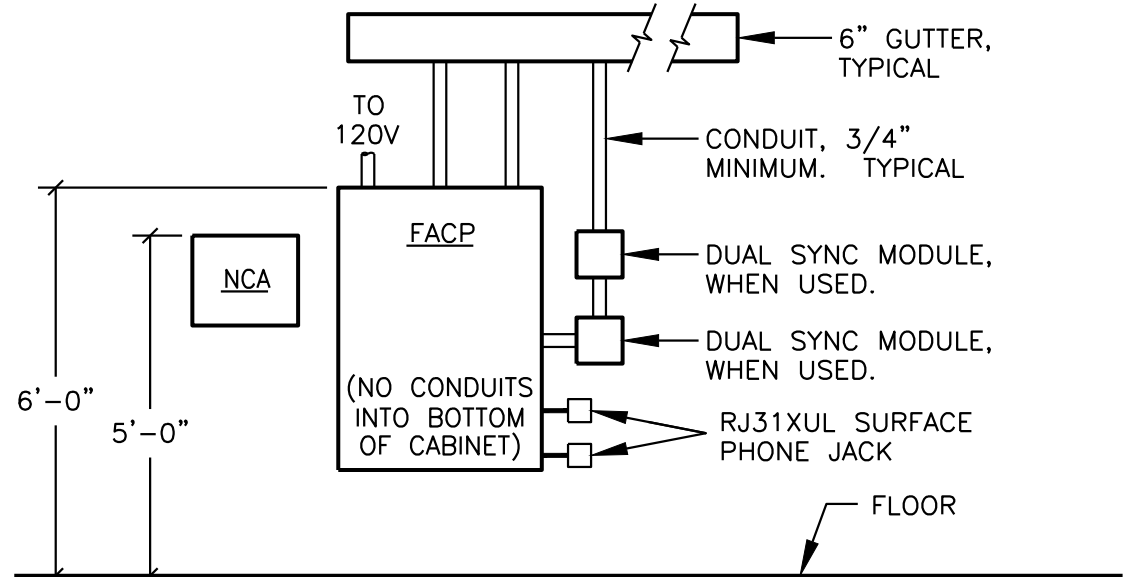
SHEET #:  
**FA-8**  
OF SHEETS  
FIRE ALARM SYSTEM  
RISER DIAGRAM

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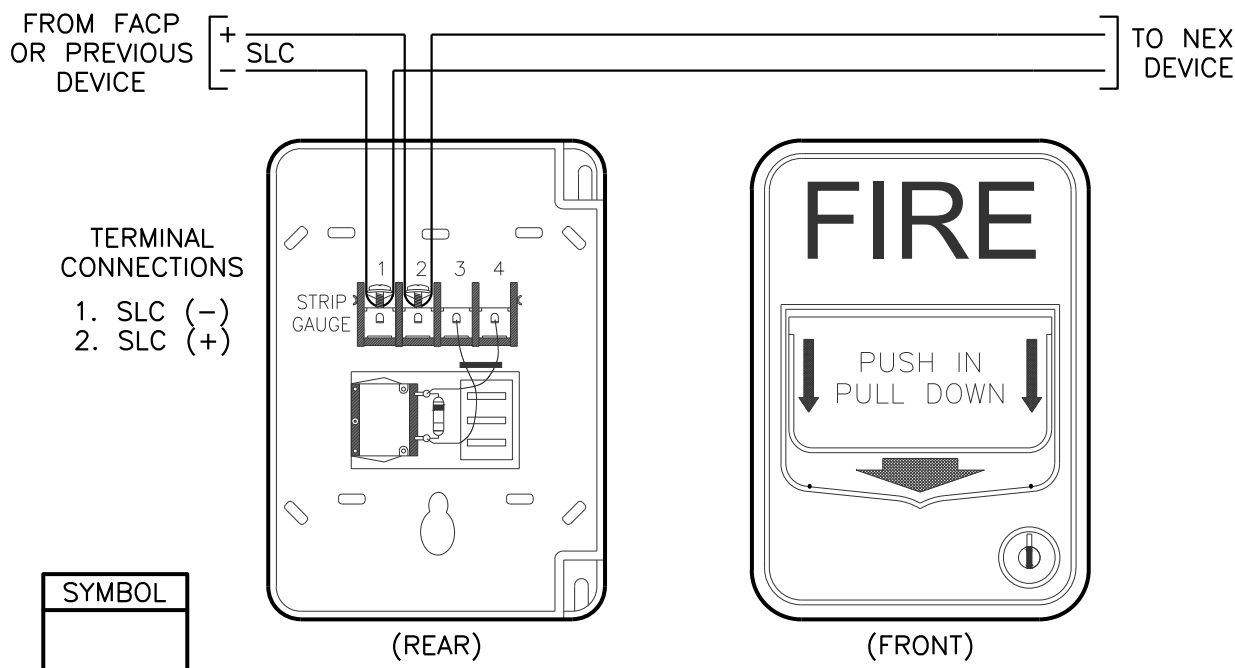




NOTES: 1. ELEVATION IS GENERIC IN NATURE.  
2. ELEVATION SHOWS SURFACE MOUNTED CABINETS AND EXPOSED RACEWAY.

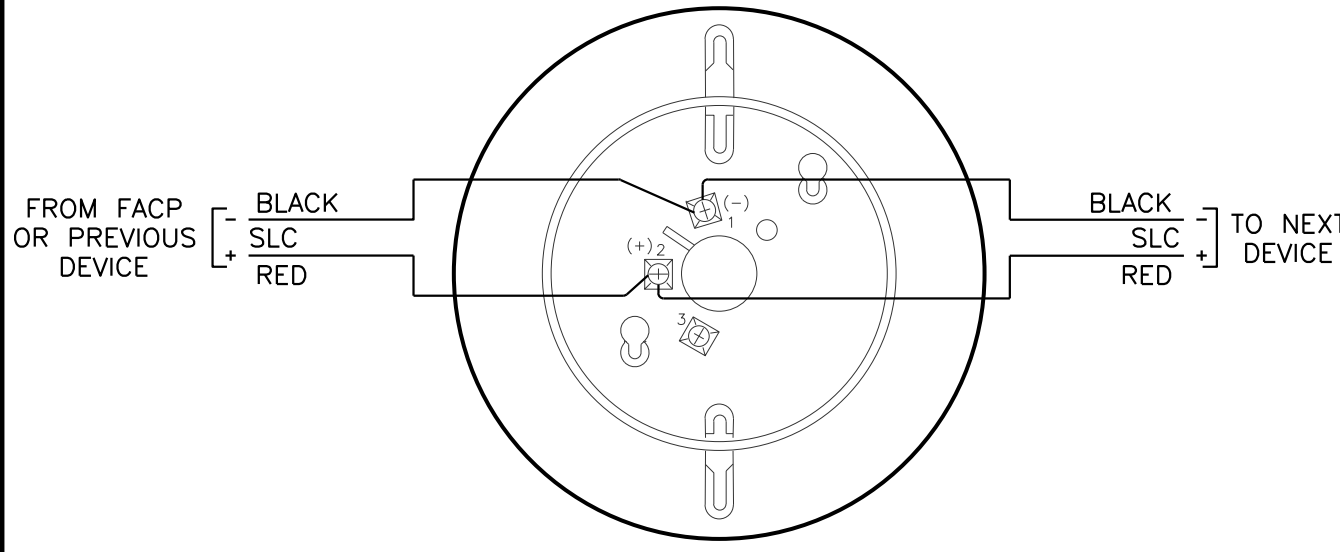
### ELEVATION – FIRE ALARM PANELS

SCALE: NO SCALE



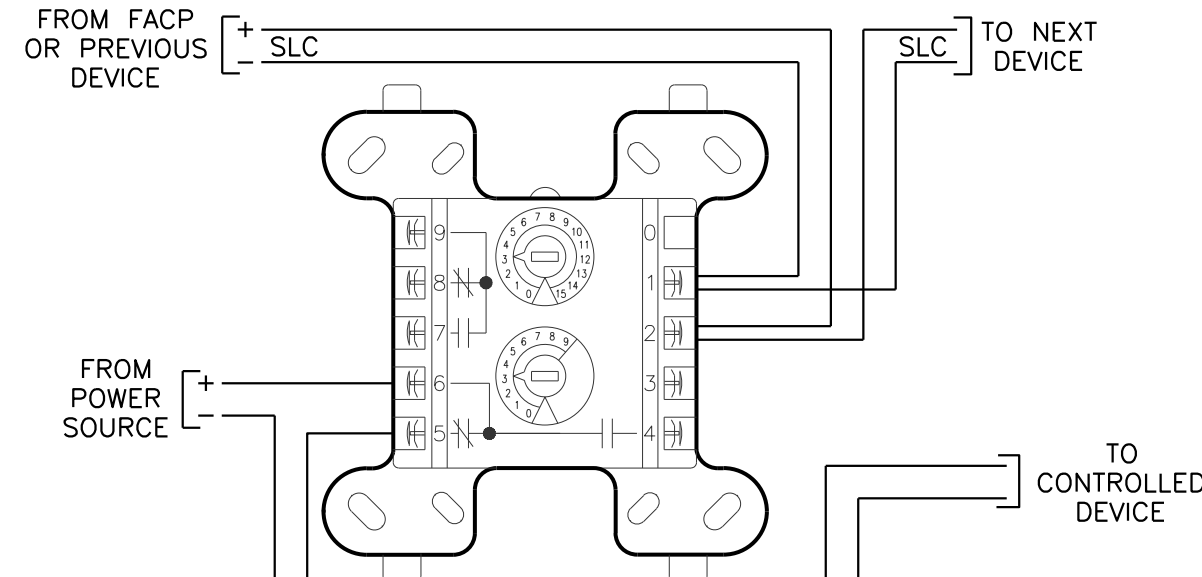
### WIRING DIAGRAM – MS-7ASF PULL STATION

SCALE: NO SCALE



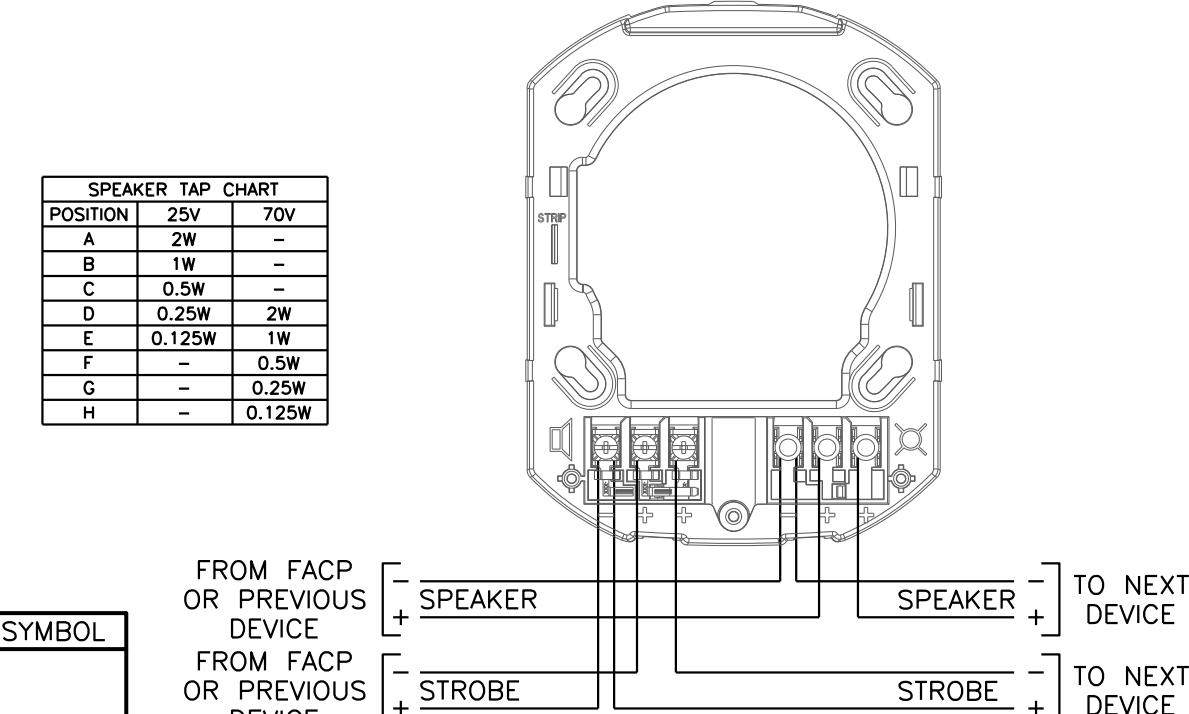
### WIRING DIAGRAM – B210LP DETECTOR BASE

SCALE: NO SCALE



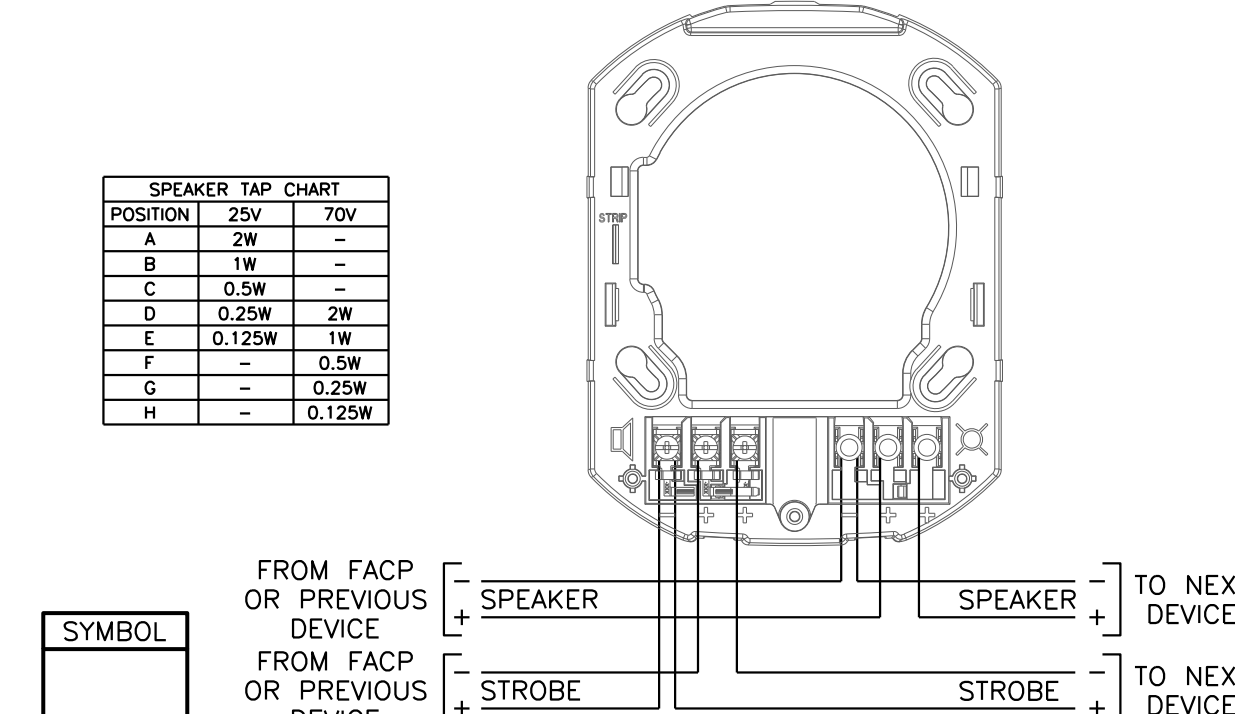
### WIRING DIAGRAM – AOM-2RF RELAY MODULE

SCALE: NO SCALE



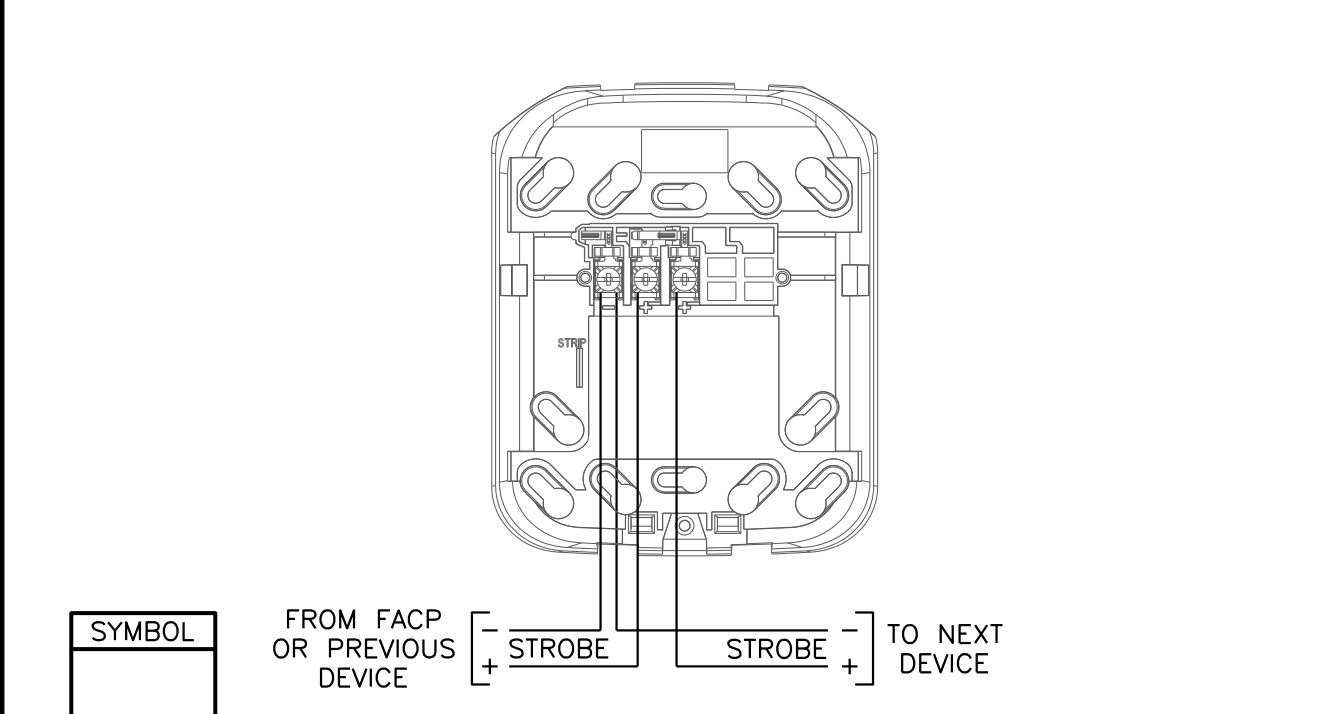
### WIRING DIAGRAM – WALL SPEAKER & STROBE

SCALE: NO SCALE



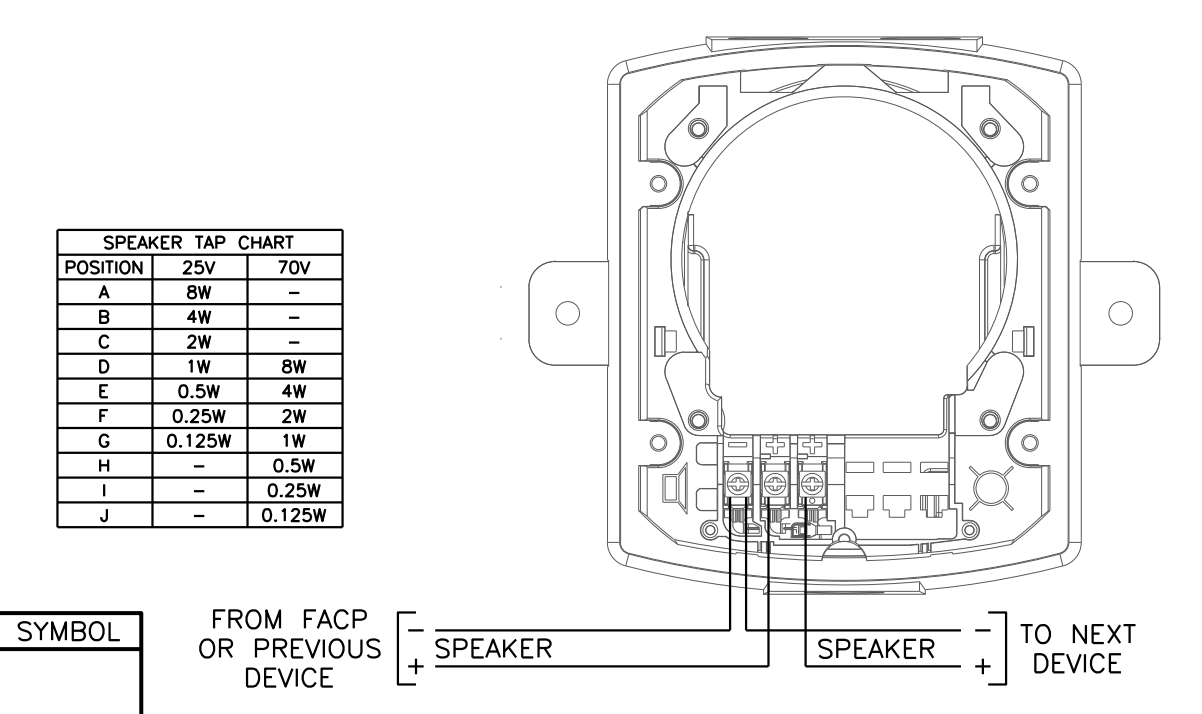
### WIRING DIAGRAM – CEILING SPEAKER & STROBE

SCALE: NO SCALE



### WIRING DIAGRAM – CEILING STROBE

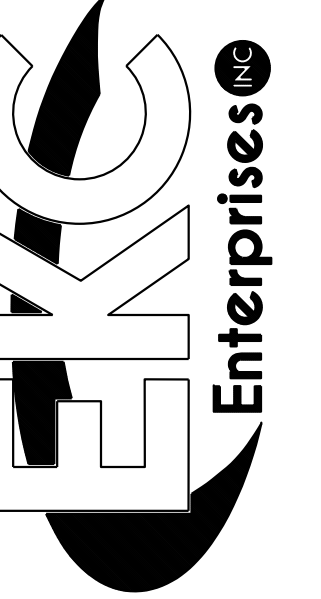
SCALE: NO SCALE



### WIRING DIAGRAM – OUTDOOR SPEAKER

SCALE: NO SCALE

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FILE NUMBER: 30-01  
IDENTIFICATION STAMP  
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ENGINEER: GREG ALAVEZOS  
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C-10 LICENSE #  
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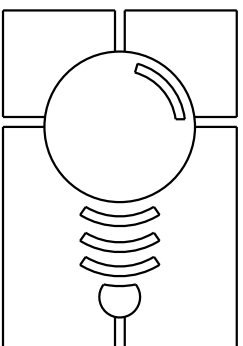
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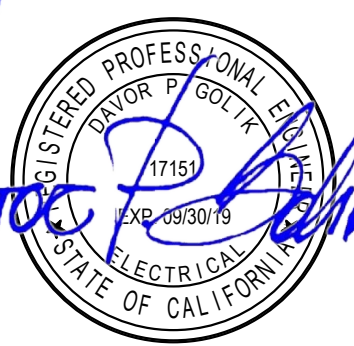
PROJECT #:  
**C18-0030**

SHEET #:  
**FA-10**  
OF SHEETS  
FIRE ALARM SYSTEM  
DETAILS SHEET

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