

Corporate Headquarters 7535 N. Palm Ave. #201 Fresno, CA 93711

> 559.437.0887 T 559.438.7554 F teterae.com

Date: April 22, 2025

STOCKTON UNIFIED SCHOOL DISTRICT

Expanded Learning Opportunities Program (ELOP) - Relocatable Classroom Buildings

PROJECT SITES AND ABBREVIATIONS

Peyton Elementary School	PEY	Taylor Leadership Academy	TAY
Pulliam Elementary School	PUL	Wilson Elementary School	WIL
Roosevelt Elementary School	ROO	Hamilton Elementary School	HAM
Rio Calaveras Elementary School	RIO		

CLIENT: Vickie Brum DSA File No.: 36-69 CLIENT ADDRESS: 56 South Lincoln St., Stockton, CA

The following additions, deletions and revisions to the plans, specifications and Addenda shall become a part of the plans and specifications. It is the responsibility of the General Contractor to submit the information contained in this addendum to all subcontractors and suppliers. The Bidder shall acknowledge receipt of the Addendum in the Bid Proposal. (Addendum number of pages: **06** pages + **07** attachments = **13** total pages).

GENERAL:

5 - 01: INTRUSION ALARM AT ALL CAMPUSES

A. Intrusion devices are rough-in only and installation of wiring and devices is not provided per this contract.

5 - 02: INTERCOM AT ALL CAMPUSES

A. Intercom devices are rough-in only and installation of wiring and devices is not provided per this contract unless otherwise noted where a type 'D' cable will be installed for the District to use in the future.

SUSD – ELOP Relocatable Classroom Buildings Page 2

TAYLOR LEADERSHIP ACADEMY

TETER PROJECT NO.: 23-12900	ADDRESS: 1101 LEVER BOULEVARD, Stockton, CA 95206
DSA APPL. NO.: 02-122755	CLIENT PROJECT NO.: 24.066

DRAWINGS:

5 - 03: DRAWINGS, SHEET E710 – "FIRE ALARM RISER DIAGRAM & CALCULATIONS", revise as follows:

- A. Replace sheet for sheet within the bid documents with the attached sheet in its entirety. Please note changes as clouded.
 - 1. Revised fire alarm control panel and components to replace obsolete Edwards EST 3 with updated Edwards EST 4 Emergency Communications Platform. See attached, **AD5-TAY-E01**.

TETER | 7535 N. Palm Avenue, Ste. 201 | Fresno, California 93711 | 559.437.0887 T | 559.438.7554 F | www.teterae.com J:\127\12720 Stockton USD - District Wide ELOP Relocatables Ph 1\D-Bidding & CA\Bidding\Addenda\Addendum 05\24.066-SUSD - Stockton_Addendum 05_Narrative [DRAFT].docx

SUSD – ELOP Relocatable Classroom Buildings Page 3

PULLIAM ELEMENTARY SCHOOL

TETER PROJECT NO.: 23-12901	ADDRESS: 230 Presidio Way, Stockton, CA 95207
DSA APPL. NO.: 02-122764	CLIENT PROJECT NO.: 24.066

DRAWINGS:

- 5 04: DRAWINGS, SHEET E710 "FIRE ALARM RISER DIAGRAM & CALCULATIONS", revise as follows:
 - A. Replace sheet for sheet within the bid documents with the attached sheet in its entirety. Please note changes as clouded.
 - 1. Revised fire alarm control panel and components to replace obsolete Edwards EST 3 with updated Edwards EST 4 Emergency Communications Platform. See attached, **AD5-PULL-E02**.

SUSD – ELOP Relocatable Classroom Buildings Page 4

ROOSEVELT ELEMENTARY SCHOOL

TETER PROJECT NO.: 23-12907	ADDRESS: 776 S. BROADWAY AVE, STOCKTON, CA 95206
DSA APPL. NO.: 02-122792	CLIENT PROJECT NO.: 24.066

DRAWINGS:

5 - 05: DRAWINGS, SHEET E710 – "FIRE ALARM RISER DIAGRAM & CALCULATIONS", revise as follows:

- A. Replace sheet for sheet within the bid documents with the attached sheet in its entirety. Please note changes as clouded.
 - 1. Revised fire alarm control panel and components to replace obsolete Edwards EST 3 with updated Edwards EST 4 Emergency Communications Platform. See attached, **AD5-ROO-E03**.
- 5 06: DRAWINGS, SHEET E800 "ELECTRICAL SCHEDULES, LEGENDS AND NOTES", revise as follows:
 - A. Fire Alarm Cable Schedule
 - 1. 'FNET' cable type added for connection of two fire alarm control panels and the annunciator panel. See attached, **AD5-ROO-E04**.

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SUSD – ELOP Relocatable Classroom Buildings Page 5

RIO CALAVERAS ELEMENTARY SCHOOL

TETER PROJECT NO.: 23-12909	ADDRESS: 1819 E. BIANCHI RD STOCKTON, CA 95210
DSA APPL. NO.: 02-122779	CLIENT PROJECT NO.: 24.066

DRAWINGS:

5 - 07: DRAWINGS, SHEET E710 - "FIRE ALARM RISER DIAGRAM & CALCULATIONS", revise as follows:

- A. Replace sheet for sheet within the bid documents with the attached sheet in its entirety. Please note changes as clouded.
 - 1. Revised fire alarm control panel and components to replace obsolete Edwards EST 3 with updated Edwards EST 4 Emergency Communications Platform. See attached, **AD5-RIO-E05**.

TETER | 7535 N. Palm Avenue, Ste. 201 | Fresno, California 93711 | 559.437.0887 T | 559.438.7554 F | www.teterae.com J:\127\12720 Stockton USD - District Wide ELOP Relocatables Ph 1\D-Bidding & CA\Bidding\Addenda\Addendum 05\24.066-SUSD - Stockton_Addendum 05_Narrative [DRAFT].docx

SUSD – ELOP Relocatable Classroom Buildings Page 6

HAMILTON ELEMENTARY SCHOOL

TETER PROJECT NO.: 23-13018	ADDRESS: 2245 E. 11 [™] ST., STOCKTON, CA 95206
DSA APPL. NO.: 02-122812	CLIENT PROJECT NO.: 24.066

DRAWINGS:

5 - 08: DRAWINGS, SHEET E710 - "FIRE ALARM RISER DIAGRAM & CALCULATIONS", revise as follows:

- A. Replace sheet for sheet within the bid documents with the attached sheet in its entirety. Please note changes as clouded.
 - 1. Revised fire alarm control panel and components to replace obsolete Edwards EST 3 with updated Edwards EST 4 Emergency Communications Platform. See attached, **AD5-HAM-E06**.

5 - 09: DRAWINGS, SHEET E800 – "ELECTRICAL LEGEND, NOTES, & SCHEDULES", revise as follows:

A. Fire Alarm Cable Schedule

1. 'FNET' cable type added for connection of fire alarm control panel and the annunciator panel. See attached, **AD5-HAM-E07**.

END OF ADDENDUM NO. 05

Architect of Record

_										
n.rvt			FIRE ALARM SY	STEM DESCRIPTION]		FIRE A	LARM SYSTEM EQUI	
march.jason.rvt				THESE DRAWINGS AND AS MATIC SYSTEM. THIS SYST			SAUNBOR	. <u></u>		
arch	DETE	ECTORS O IPMENT, W	N CEILINGS AND IN THE RO	DOMS HOUSING THE FIRE A	LARM SYSTEM STEM IS		FACP	EDWARDS EST	ONTROL PANEL 'FACP' 74 SERIES W/AUTOMATIC CHAI	
E L		<u>RESSABLE</u> DINGS.	AND IS WIRED <u>CLASS 'B' V</u>	<u>VITHIN</u> THE BUILDINGS AND	CLASS 'B' BETWEEN		> >	(DIMENSIONS:	VARDS #3-CAB14B & DOOR: EE 37.75"H x 24.12"W x 3.86"D):	WARDS #4-CAB24DR
ELOI] (_ (~	LCD: EDWARD	EDWARDS #4-CPU S #4-LCDAUDTEL E UNIT: EDWARDS #4-AUDTELS	3
			FIRE ALA	RM APPROVAL			× ≻	20W ZONE AMF	PLIFIER: EDWARDS #3-ZA20A IET-AD WITH 4-NET-CAT	2
ERSHIP				ETE PLAN SUBMITTAL" PER D HALL INSTALL THE SYSTEM AS			> >	I/O: EDWARDS		
EADE	REQUE	EST SHALL	BE MADE A MINIMUM OF TWO	IRE ALARM EQUIPMENT IS TO WEEKS PRIOR TO PROJECT E	BID DATE. THE		>	POWER SUPPL C.S.F.M. #7165-	_Y: EDWARDS	
	GUIDE	LINES AND	SHALL PAY ALL ADDITIONAL (JBMITTING THE SUBSTITUTION COSTS REQUIRED TO ACCOMM A, WHETHER OR NOT SUCH A	IODATE REVIEW OF		4-ANN	FIRE ALARM RI EDWARDS EST	EMOTE ANNUNCIATOR	
γго	CONTR	RACTOR'S	SUBMITTAL SHALL INCLUDE M	IANUFACTURER'S CATALOG C	UT SHEETS AND CSFM			(DIMENSIONS:	VARDS #4-4ANNMT 13.72"H x 12.73"W x 2.2"D):	
E-TA	SYSTE		Y LOAD CALCULATIONS AND	VOLTAGE DROP CALCULATION					EDWARDS #4-ANNCPU E EXPANDER: EDWARDS #4-AN S #4 LODANN	NAUDTEL
900-E				DES AND STANDARD	9) (] (8		IET-AD WITH 4-NET-CAT	
on.march\Documents\12900-E-TAYLOR			CODE - CCR, TITLE 24, PART	2, VOLUMES 1 & 2	<u> </u>		(LI		RMAUXILIAR APOWER SUPPLY HARGING SYSTEM, AND INTEG	
nents	2022 C	CÀ ELECTRIC	ND CALIFORNIA AMENDMENT CAL CODE - CCR, TITLE 24, PA	RT 3			(N) APS	EDWARDS #AP	PS-10A, C.S.F.M. #7300-1657:022 GA-AA50, C.S.F.M. #7300-1657:02	9
ocun	2022 C	CÀ MECHANI	AND CALIFORNIA AMENDMEN CAL CODE - CCR, TITLE 24, P/ AND CALIFORNIA AMENDMEN	ART 4			CS		SABLE SYNCRONIZATION OUT GA-CC1S, C.S.F.M.#7300-1657:0	
ch/D	2022 C	À PLUMBIN	G CODE - CCR, TITLE 24, PAR AND CALIFORNIA AMENDMEN	Т 5				(MOUNT INSIDE	E NEW FIRE ALARM AUXILIARY SABLE SMOKE DETECTOR AND	POWER SUPPLY 'APS')
mar		(2021 IFC A	DE - CCR, TITLE 24, PART 9 ND CALIFORNIA AMENDMENT				SD SD	EDWARDS #SIG	GA-OSD; C.S.F.M. #7272-1657:09 GA-SB; C.S.F.M. #7300-1657:012	511 ` ´
ason	2022 N	IFPA 13, INS		, TITLE 24, PART 12 /STEMS AND 2022 CALIFORNIA ND 2022 CALIFORNIA AMENDMI			HD	EDWARDS #SIG	SABLE HEAT DETECTOR AND E GA-HRD; C.S.F.M. #7270-1657:03	333 `
ers\ja	PUBLIC	C SAFETY, S	STATE FIRE MARSHAL REGUL				A		GA-SB; C.S.F.M. #7300-1657:012 SABLE HEAT DETECTOR AND E	
1/Use		OF REGUL	ATION SERVICES.				HD	EDWARDS #SIG	GA-HRD; C.S.F.M. #7270-1657:03 GA-SB; C.S.F.M. #7300-1657:012	0
\\tetr-file1\Users\jas			FIRE ALARM	GENERAL NOTES			SV	(XX REPRESEN		
\\tet	1.	UNDERG AND CEC		OUITS WILL HAVE WATERTIGHT	FITTINGS. (CEC 110.11			NEW VOICE EV	ISVRF; C.S.F.M. #7320-1657:051 ACUATION SYSTEM SPEAKER	
	2.		ON OPPOSITE SIDES OF A FI HORIZONTAL SPACING OF T	RE RATED WALL SHALL BE INS	STALLED WITH A		SQ	EDWARDS #W0 C.S.F.M. #7320-	G4RF-S, WG4RTS -1657:0289	
	3.		RM DEVICE MOUNTING HEIGH							
				RT OF A MANUALLY ACTUATED					CABLE SCHEDULE ON SHEET I NUMBERS, AND C.S.F.M. LISTI	
		S		HAN 42" FROM FINISHED FLOO ' FROM FINISHED FLOOR. (CBC						
		b. IN	ITERIÓR AUDIBLE NOTIFICATI	ON APPLIANCE - AT LEAST 90" DR AND NOT LESS THAN 6" BEL						
		۱) c. ۷	NFPA 72 18.4.8.1) /ALL-MOUNTED STROBE OR \$	SPEAKER/STROBE - AT LEAST	80" TO BOTTOM OF	F	IRE /	ALARM L	EGEND	
			ENS AND NOT GREATER THAI NFPA 72 18.5.5.1)	N 96" TO TOP OF LENS ABOVE	FINISHED FLOOR.		SB575	- GREEN OAKS	FAMILY ACADEMY ELEMEN	ITARY SCHOOL FIRE
	4.			LARM SYSTEM INTENDED TO A					IREMENTS FOR AUTOMATIC	
		THAN 75	dBA AT TEN FEET, OR MORE	E AVERAGE AMBIENT SOUND L THAN 110 dBA IN TOTAL. (NFPA				IGS WITHIN THE	SCOPE OF WORK OF THIS	
	5.		907.5.2.1.2)	NSTRUED TO MEAN THAT WHI						
_	J. J.	EXPECTE	D TO EXIST WHEN THE FACIL	ITY, BUILDING, ROOM OR ARE. KING CONDITIONS. (CFC 907.5.	A IS FUNCTIONING					
	6.			CA UNIFORM FIRE ALARM SIG					EAS AND/OR BUILDINGS AF G, SO HEAT DETECTORS AR THE SYSTEM IS OTHERWI	E EXEMPTED FROM
			NCIES. (CFC 907.5.2.1.3)	RIOR AUDIBLE DEVICE ON BUI	LDING FOR E			7	TIC DIALER TO A UL-APPRO	
	7.		NCY VOICE/ALARM COMMUNI A 72 24.4.2	CATION SYSTEM SHALL COMP	LY WITH CBC 907.2.3				TING, OR	
	8.			TWO FLASHES PER SECOND A	ND SHALL NOT BE				UDED AS PART OF THIS PRO	DJECT.
	9.		THAN ONE FLASH EVERY SE	L BE PROVIDED AT THE LOCAT	TION OF FACH FIRE			S EXEMPT FROM	I SB575	
		ALARM C	ONTROL UNIT, NOTIFICATION	APPLIANCE CIRCUIT POWER I GEQUIPMENT TO PROVIDE NO	EXTENDER AND				PROJECT CONSTRUCTION	ALUE IS LESS THAN
									CT CONSISTS OF ONLY MOD	
	10.	-		ALARM EQUIPMENT SHALL BE D CIRCUIT BREAKER LOCKING				THREE YEAF	RS FROM THE INSTALLATION	
	11.	COMPLE		COMPLETION, TESTING ALL DE					CT IS NOT FUNDED UNDER (HOOL FACILITIES ACT. IT W	
		OWNER (SCHOOL DISTRICT), ARCHITE	E COMPLETED RECORD OF CO CT, LOCAL FIRE AUTHORITY, A	ND DSA VIA THE			FUNDS.		
		PRESENC	CE OF THE LOCAL FIRE AUTH	HE ENTIRE SYSTEM SHALL BE ORITY AND THE DSA INSPECT I VERIFICATION FORM FROM (OR OF RECORD (IOR).	S	SB575	5		
	12.	THE AUT	OMATIC ALARM SYSTEM SHAI	LL BE INSTALLED, TESTED, AN	D MAINTAINED IN					
			ANCE WITH THE STATE FIRE I NFPA 72 14.5)	MARSHAL'S REGULATIONS (CF	C 907.8.5, NFPA 72			FIRE	ALARM MONITORIN	G NOTE
]	SUPE	ERVISORY AND	ARM SYSTEMS SHALL TRAN TROUBLE SIGNALS TO AN A	PPROVED SUPERVIS
	FIR	RE ALA	ARM CODES A	ND NOTES	N.T.S. 19		THE	SUPERVISING S	ED BY NFPA 72 AS AMENDE TATION SHALL BE LISTED A TERS LABORATORY OR SH	S EITHER UUFX OR
					·		REQ	UIREMENTS OF	FACTORY MUTUAL RESEAF	CH APPROVAL
									RANGED BY OWNER.	
						F	IRE /	ALARM N	MONITORING	NOTE
										v
				REALARM			FER			۸
~			DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMC DAMPER, OR ACTIVA SMOKE VENT RELEA	TE		DOWN HVAC UIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION
:11 PM			FIRE ALARM PANEL		SWORL VENT RELEA					$\overline{}$
· · ·	I		SYSTEM TROUBLE	1	1					

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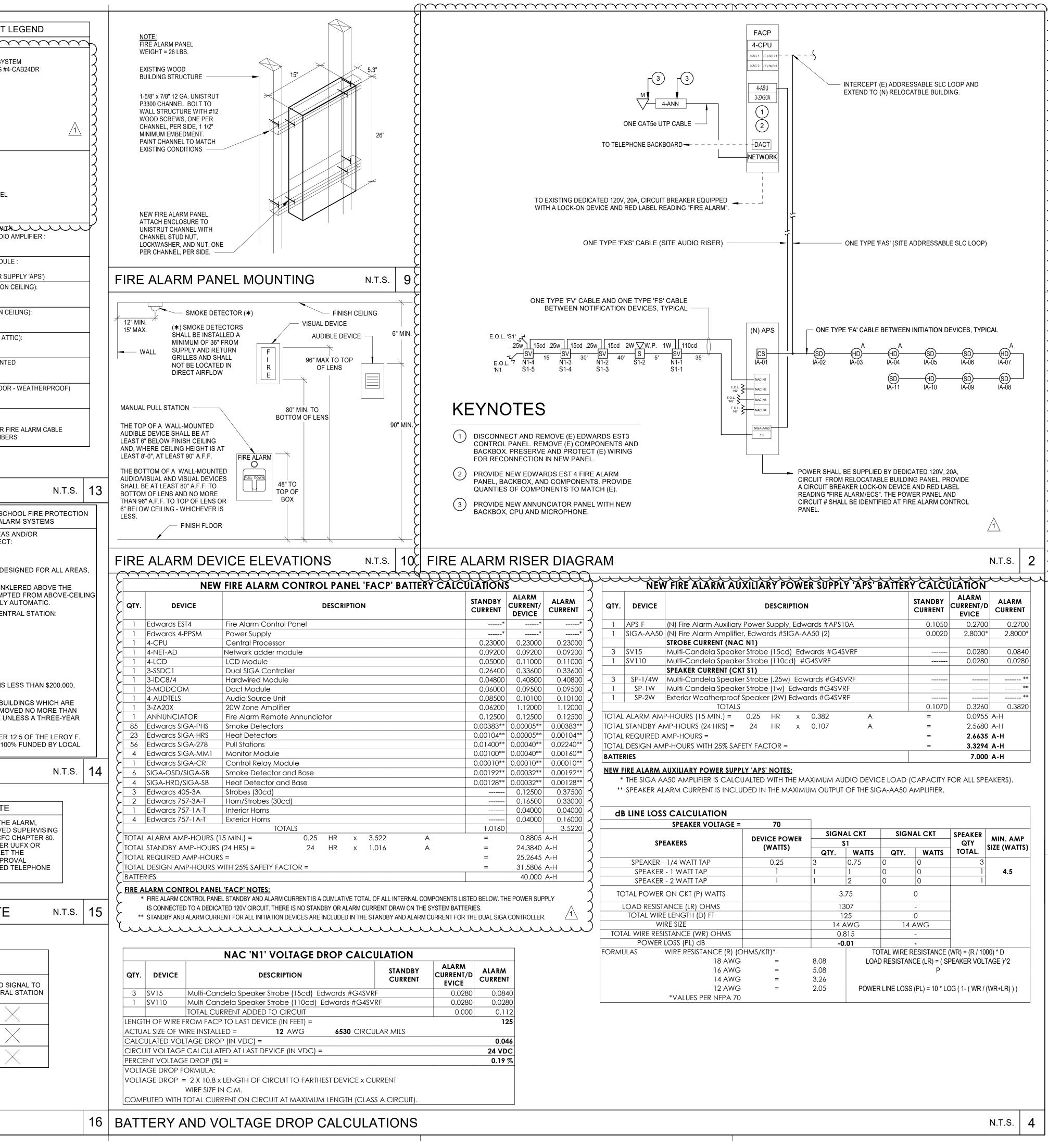
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FIRE ALARM OPERATIONAL MATRIX

 \times

SMOKE DETECTOR

HEAT DETECTOR



SS CALCULATION							
SPEAKER VOLTAGE =	70	7					
	DEVICE POWER	SIGN	AL CKT	SIGN	IAL CKT	SPEAKER	MIN. AMP
PEAKERS	(WATTS)		<u>51</u>			QTY	SIZE (WATTS
	(114113)	QTY.	WATTS	QTY.	WATTS	TOTAL.	
- 1/4 WATT TAP	0.25	3	0.75	0	0	3	
R - 1 WATT TAP	1	1	1	0	0	1	4.5
R - 2 WATT TAP	1	1	2	0	0	1]
r on ckt (p) watts		3	3.75 0		0		
TANCE (LR) OHMS		13	307	-			
RE LENGTH (D) FT		1	25	0			
VIRE SIZE		14 /	AWG	14	AWG		
SISTANCE (WR) OHMS		0.	815	-			
R LOSS (PL) dB		-0.01		-			
WIRE RESISTANCE (R) (O	HMS/Kft)*		TC	TAL WIRE F	RESISTANCE	(WR) = (R / 10)00) * D
18 AWG	=	8.08	LOAD RESISTANCE (LR) = (SPEAKER VOLTAGE)^2			TAGE)^2	
16 AWG	=	5.08			P		
14 AWG	=	3.26					
12 AWG	=	2.05	POWEF	R LINE LOSS	S (PL) = 10 * LC) G (1- (WR /	(WR+LR)))
*VALUES PER NFPA 70					· ·		. ,,,,

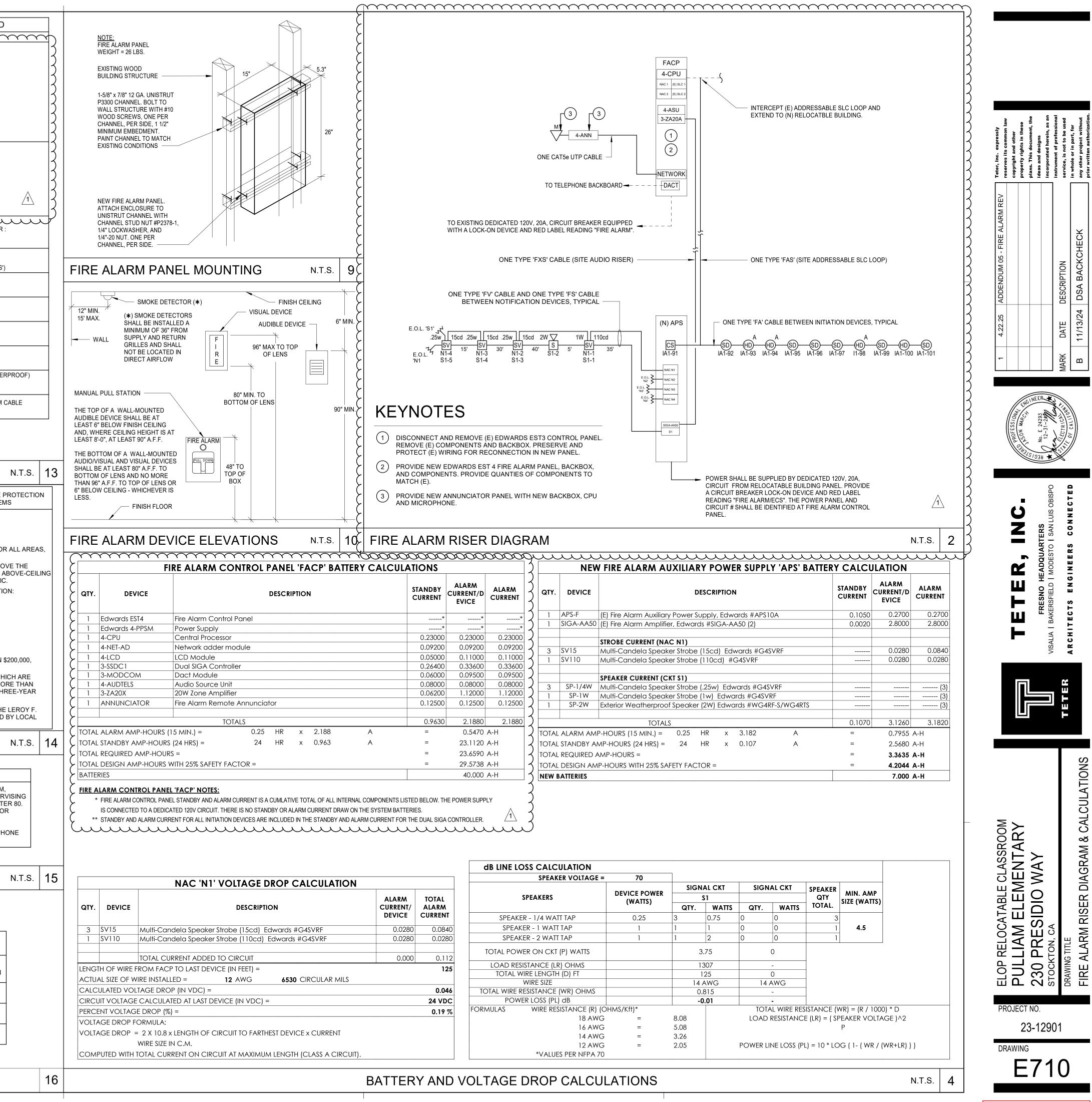


AD5-TAY-E01

Г								
on.rvt		FIRE ALARM SYS	STEM DESCRIPTION				ALARM SYSTEM EQU	
ELEM ELOP_march.jason.rvt	SPECIFICATION DETECTORS ON EQUIPMENT, WI	M SYSTEM DESCRIBED BY T S IS A <u>MANUAL</u> AND <u>AUTOM</u> I CEILINGS AND IN THE ROC TH HEAT DETECTORS INST, AND IS WIRED <u>CLASS 'B' WI</u>	<u>ATIC</u> SYSTEM. THIS SYSTE DMS HOUSING THE FIRE AL ALLED IN ATTICS. THE SYS	M UTILIZES SMOKE ARM SYSTEM TEM IS	FAC	 FIRE ALARM (EDWARDS ES BACKBOX: ED (DIMENSIONS PROCESSOR LCD: EDWARI 	CONTROL PANEL 'FACP' T4 SERIES W/AUTOMATIC CH/ WARDS #3-CAB14B & DOOR: E : 37.75"H x 24.12"W x 3.86"D): EDWARDS #4-CPU DS #4-LCDAUDTEL CE UNIT: EDWARDS #4-AUDTE	ARGING SYSTEM EDWARDS #4-CAB24DR
EME		FIRE ALAF	RM APPROVAL		2	20W ZONE AN NETWORK: 4-	IPLIFIER: EDWARDS #3-ZA20A NET-AD WITH 4-NET-CAT	
	SUBMITTAL GUIDI	SYSTEM DESIGN IS A "COMPLE ELINES. THE CONTRACTOR SH	ALL INSTALL THE SYSTEM AS	SHOWN AND AS	3	I/O: EDWARDS	RDS #3-MODCOMP S #3-IDC8/4 PLY: EDWARDS #4-PPS/M	
ers\jason.march\Documents\12901-E-PULLIAM	REQUEST SHALL CONTRACTOR SH GUIDELINES AND THE SUBSTITUTE CONTRACTOR'S LISTING SHEETS I SYSTEM, BATTER SIGNALING CIRCL	APPLICABLE COD	WEEKS PRIOR TO PROJECT B BMITTING THE SUBSTITUTION OSTS REQUIRED TO ACCOMM A, WHETHER OR NOT SUCH AF ANUFACTURER'S CATALOG CI ENTS COMPRISING THE SUBS /OLTAGE DROP CALCULATION	ID DATE. THE PER THE DSA IODATE REVIEW OF PROVAL IS GIVEN. THE JT SHEETS AND CSFM STITUTED FIRE ALARM IS FOR EACH	 4-AN M ✓ 	N EDWARDS ES BACKBOX: EE (DIMENSIONS) PROCESSOR: AUDIO SOURO LCD: EDWARI MICROPHONE NETWORK: 4- C.S.F.M. #716	REMOTE ANNUNCIATOR T4 SERIES WARDS #4-4ANNMT : 13.72"H x 12.73"W x 2.2"D): EDWARDS #4-ANNCPU CE EXPANDER: EDWARDS #4-/ DS #4-LCDANN E: EDWARDS #4-MIC NET-AD WITH 4-NET-CAT	
Docu	(2021 IBC A	CODE - CCR, TITLE 24, PART 2 ND CALIFORNIA AMENDMENTS CAL CODE - CCR, TITLE 24, PAF	5)		(N) A	AUTOMATIC C EDWARDS #A	CHARGING SYSTEM, AND INTE PS-10A, C.S.F.M. #7300-1657:02	GRAL AUDIO AMPLIFIER
arch/I	(2020 NEC	AND CALIFORNIA AMENDMENT ICAL CODE - CCR, TITLE 24, PA	S)			NEW ADDRES	IGA-AA50, C.S.F.M. #7300-1657 SABLE SYNCRONIZATION OU	TPUT MODULE :
n.ma	2022 CÀ PLUMBIN	AND CALIFORNIA AMENDMENT G CODE - CCR, TITLE 24, PART AND CALIFORNIA AMENDMENT	5		CS		IGA-CC1S, C.S.F.M.#7300-1657 DE NEW FIRE ALARM AUXILIAR	Y POWER SUPPLY 'APS')
s\jasc	2022 CÀ FIRE COE (2021 IFC A	DE - CCR, TITLE 24, PART 9 ND CALIFORNIA AMENDMENTS	5)		(SD) EDWARDS #S	SABLE SMOKE DETECTOR AN IGA-OSD; C.S.F.M. #7272-1657: IGA-SB; C.S.F.M. #7300-1657:01	0511 `
S	2022 NFPA 13, INS	NCE STANDARDS CODE - CCR, TALLATION OF SPRINKLER SY TIONAL FIRE ALARM CODE, AN	STEMS AND 2022 CALIFORNIA		HD	NEW ADDRES	SABLE HEAT DETECTOR AND IGA-HRD; C.S.F.M. #7270-1657:	BASE (ON CEILING):
\\tetr-file1\U	PUBLIC SAFETY, S DSA GUIDELINES	STATE FIRE MARSHAL REGULA FOR FIRE AND LIFE SAFETY SY	TIONS - CCR, TITLE 19			A NEW ADDRES	IGA-SB; C.S.F.M. #7300-1657:01 SABLE HEAT DETECTOR AND	BASE (IN ATTIC):
\\tetr-	OF REGUI	ATION SERVICES.			(HD	EDWARDS #S	IGA-HRD; C.S.F.M. #7270-1657: IGA-SB; C.S.F.M. #7300-1657:0' R/STROBE ANNUNCIATOR - W	120
	1. UNDERG	FIRE ALARM (GENERAL NOTES	EITTINGS (CEC 110 11	sv	(XX REPRESE (XX REPRESE	NTS CANDELA) 45VRF; C.S.F.M. #7320-1657:05	
	AND CE	C 300.6)		,	S	│ NEW VOICE E	VACUATION SYSTEM SPEAKE /G4RF-S, WG4RTS	R (OUTDOOR - WEATHEF
		S ON OPPOSITE SIDES OF A FIF		TALLED WITH A		MP C.S.F.M. #7320 ER TO FIRE ALARM	D-1657:0289 CABLE SCHEDULE ON SHEET	E800 FOR FIRE ALARM (
		RM DEVICE MOUNTING HEIGH			MAN	IUFACTURER, PAR	T NUMBERS, AND C.S.F.M. LIS	TING NUMBERS
	D S	EVICE SHALL BE NOT LESS TH HALL NOT BE MORE THAN 48"	AN 42" FROM FINISHED FLOOI	R; AND TOP OF BOX				
	b. II	7.14.5) NTERIOR AUDIBLE NOTIFICATIO VEVICE ABOVE FINISHED FLOO						
	c. Ì	NFPA 72 18.4.8.1) VALL-MOUNTED STROBE OR SI ENS AND NOT GREATER THAN			FIRE	ALARM L	EGEND	
	(1	NFPA 72 18.5.5.1) SIGNAL DEVICES OF A FIRE AL			SB5		FAMILY ACADEMY ELEMEN	
	OCCUPA AUDIBILI ⁻ THAN 75	NTS SHALL BE SO LOCATED AN TY OF AT LEAST 15 dBA ABOVE dBA AT TEN FEET, OR MORE T : 907.5.2.1.2)	ND UNOBSTRUCTED AS TO CA AVERAGE AMBIENT SOUND L	AUSE A LEVEL OF EVEL BUT NOT LESS	BUILD		AND ALARM SYSTEM FOR T SCOPE OF WORK OF THIS SB575	
_	EXPECTE	NOISE LEVELS SHALL BE CON ED TO EXIST WHEN THE FACILI IORMAL OPERATIVE OR WORK	TY, BUILDING, ROOM OR AREA	A IS FUNCTIONING			Y-AUTOMATIC SYSTEM HAS EAS AND/OR BUILDINGS AF	
	MODE. P	DEVICES SHALL SOUND THE C ROVIDE AT LEAST ONE EXTER NCIES. (CFC 907.5.2.1.3)				AREAS.	G, SO HEAT DETECTORS AF THE SYSTEM IS OTHERWI TIC DIALER TO A UL-APPRO	ISE FULLY AUTOMATIC
		NCY VOICE/ALARM COMMUNIC A 72 24.4.2	ATION SYSTEM SHALL COMPI	_Y WITH CBC 907.2.3			TING, OR	
		EVICES SHALL NOT EXCEED T THAN ONE FLASH EVERY SEC		ND SHALL NOT BE			UDED AS PART OF THIS PR	OJECT.
	ALARM C SUPERVI	TIC SMOKE DETECTION SHALL ONTROL UNIT, NOTIFICATION SING STATION TRANSMITTING CATION. (NFPA 72 10.4.4)	APPLIANCE CIRCUIT POWER E	XTENDER AND			PROJECT CONSTRUCTION	
		CIRCUITS PROTECTING FIRE A AND SHALL INCLUDE A LISTED				TEMPORARY THREE YEAF	CT CONSISTS OF ONLY MOI (; THESE BUILDINGS SHALL RS FROM THE INSTALLATIO IS APPROVED BY DSA, OR	BE REMOVED NO MO
	APPLIAN	TE THE NFPA 72 RECORD OF C CES. PROVIDE A COPY OF THE	E COMPLETED RECORD OF CO	DMPLETION TO THE			CT IS NOT FUNDED UNDER HOOL FACILITIES ACT. IT V	
	PROJEC	(SCHOOL DISTRICT), ARCHITEC T INSPECTOR. TESTING OF TH CE OF THE LOCAL FIRE AUTHO	E ENTIRE SYSTEM SHALL BE	MADE IN THE	SB57			
	FINAL TE	ST SHALL INCLUDE READ OUT	VERIFICATION FORM FROM C	ENTER STATION.		<u> </u>		
	ACCORD	OMATIC ALARM SYSTEM SHAL ANCE WITH THE STATE FIRE M NFPA 72 14.5)				F	IRE ALARM MONITOR	RING NOTE
-						SUPERVISORY A	E ALARM SYSTEMS SHALL T ND TROUBLE SIGNALS TO A UIRED BY NFPA 72 AS AME	AN APPROVED SUPER
_	FIRE ALA	ARM CODES A	ND NOTES	N.T.S. 19		THE SUPERVISIN UUJS BY UNDER'	G STATION SHALL BE LISTE WRITERS LABORATORY OF	ED AS EITHER UUFX O R SHALL MEET THE
						STANDARD 3011.	OF FACTORY MUTUAL RES SUPERVISION OF SYSTEM ARRANGED BY OWNER.	
					L			
				-	FIRE	ALARM		NOTE
				L		•••••		
		FIR	RE ALARM	SYSTEM (OPEF	RATION		X
25 PM		DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMOK DAMPER, OR ACTIVATE SMOKE VENT RELEASE	= 580	TDOWN HVAC QUIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION
5:42:2(FIRE ALARM PANEL			-			\times
2/2025 5		SYSTEM TROUBLE						
2					1			

FIRE ALARM OPERATIONAL MATRIX

HEAT DETECTOR



AD5-PULL-E02

5.rvt			FIRE ALARM SY	STEM DESCRIPTION				
asTBNP	SPECIF DETEC	FICATION	S IS A <u>MANUAL</u> AND <u>AUTON</u> I CEILINGS AND IN THE ROO	THESE DRAWINGS AND AS <u>MATIC</u> SYSTEM. THIS SYSTE OMS HOUSING THE FIRE AL	EM UTILIZES SMOKE LARM SYSTEM			
\\tetr-file1\Users\lesly.macias_TETR\Documents\12907-E-ROOSEVELT ELEM ELOP_lesly.maciasTBNP	EQUIPM ADDRE BUILDI THE FIR SUBMIT HEREIN REQUES CONTRA GUIDELI THE SUB CONTRA GUIDELI THE SUB CONTRA SIGNALI 2022 CA 2022 CA 202 CA 2	MENT, WI SSABLE NGS. NGS. AGS. AGS. AGS. ALARMS TAL GUIDE SPECIFIE STALL F ACTOR SH INSTITUTE ACTOR SH INSTITUTE ACTOR SH STALL F ACTOR SH STALL F SAFETY, S SAFETY, S SAF	TH HEAT DETECTORS INST AND IS WIRED <u>CLASS 'B' W</u> FIRE ALASS 'B' W SYSTEM DESIGN IS A "COMPLIC ELINES. THE CONTRACTOR SH D. IF ANY SUBSTITUTION OF FI BE MADE A MINIMUM OF TWO ALL BE RESPONSIBLE FOR SL SHALL PAY ALL ADDITIONAL CD D FIRE ALARM SYSTEM BY DS. SUBMITTAL SHALL INCLUDE M OR THE INDIVIDUAL COMPON Y LOAD CALCULATIONS AND Y IT. APPLICABLE COE CODE - CCR, TITLE 24, PART 3 ND CALIFORNIA AMENDMENT CAL CODE - CCR, TITLE 24, PART AND CALIFORNIA AMENDMENT CAL CODE - CCR, TITLE 24, PART ND CALIFORNIA AMENDMENT CAL CODE - CCR, TITLE 24, PART ND CALIFORNIA AMENDMENT CAL CODE - CCR, TITLE 24, PART ND CALIFORNIA AMENDMENT CE STANDARDS CODE - CCR, TALLATION OF SPRINKLER SY TONAL FIRE ALARM CODE - AN TATE FIRE MARSHAL REGULA FOR FIRE AND LIFE SAFETY S' ATION SERVICES. FIRE ALARM CODE - CCR, TALLATION OF SPRINKLER SY TONAL FIRE ALARM CODE - CCR, TALLATION OF SPRINKLER SY TONAL FIRE ALARM CODE - CCR, TALLATION SERVICES. FIRE ALARM CODE - CCR, TALLATION SERVICES. FIRE ALARM CODE - CCR, TALLATION SERVICES. FIRE ALARM CODE - CCR, TALLAND DUFCE MOUNTING HEIGH ULL STATION - OPERABLE PAF EVICE SHALL BE NOT LESS TH HORIZONTAL SPACING OF TV RM DEVICE MOUNTING HEIGH ULL STATION - OPERABLE PAF EVICE SHALL BE NOT LESS TH HALL NOT BE MORE THAN 48" 7.14.5) ITERIOR AUDIBLE NOTIFICATION SIGNAL DEVICES OF A FIRE AL NOT BE MORE THAN 48" 7.14.5) ITERIOR AUDIBLE NOTIFICATION ON OPPOSITE SIDES OF A FIRE ALL-MOUNTED STROBE OR S ENS AND NOT GREATER THAN IFPA 72 18.4.8.1) ALL-MOUNTED STROBE OR S ENS AND NOT GREATER THAN IFPA 72 18.5.5.1) SIGNAL DEVICES OF A FIRE AL NTS SHALL BE SO LOCATED A Y OF AT LEAST 15 GBA ABOVE JBA AT TEN FEET, OR MORE T 907.5.2.1.2) NOISE LEVELS SHALL BE COM D TO EXIST WHEN THE FACILI ORMAL OPERATIVE OR WORK DEVICES SHALL NOT EXCEED T THAN ONE FLASH EVERY SEC TICS MOKE DITE. CONTON THE ANTING CATION. (NFPA 72 10.4.4) CIRCUITS PROTECTING ATION SING STATION TRANSMITTING CATION. (NFPA 72 10.4.4) CIRCUITS PROTECTING AND THE COMOLE ON TRO TO TO THE ST SHALL INCLUDE READ OUT DMATIC ALARM SYSTEM SHAL	FALLED IN ATTICS. THE SYS ITHIN THE BUILDINGS AND ITHIN THE BUILDINGS AND RM APPROVAL ETE PLAN SUBMITTAL" PER D IALL INSTALL THE SYSTEM AS IRE ALARM EQUIPMENT IS TO WEEKS PRIOR TO PROJECT E JBMITTING THE SUBSTITUTION OSTS REQUIRED TO ACCOMMA ANUFACTURER'S CATALOGC INTACT AGE DROP CALCULATION AUUTACTURER'S CATALOGC VOLTAGE DROP CALCULATION VOLTAGE DROP CALCULATION INTE 24, PART 12 STEMS AND 2022 CALIFORNIA ID 2022 CALIFORNIA AMENDMI ID 2022 CALIFORNIA AMENDMI ITIONS - CCR, TITLE 19 YSTEMS, DIVISION OF THE ST GENERAL NOTES UITS WILL HAVE WATERTIGHT RE RATED WALL SHALL BE INS YO FEET. ITS SHALL BE AS FOLLOWS: RT 6 A MANUALLY ACTUATED YO FEET. ITS SHALL BE AS FOLLOWS: RT 6 A MANUALLY ACTUATED YO FEARAGE AMBIENT SOLUND I HAND NOT LESS THAN 6" BEL PEAKER/STROBE - AT LEAST 90" R AND NOT LESS THAN 6" BEL PEAKER/STROBE PER SECOND A	AMENDMENTS ENTS ATE ARCHITECT OFFICE S ATE ARCHITECT OFFICE S ATE ARCHITECT OFFICE S ATE ARCHITECT OFFICE S ATE ARCHITECT OFFICE S ATE ARCHITECT OFFICE C T FITTINGS. (CEC 110.11 STALLED WITH A C ALARM INITIATING R; AND TOP OF BOX C 11B 308.1.1, NFPA 72 TO THE TOP OF OW FINISHED CEILING. 80" TO BOTTOM OF FINISHED FLOOR. ALERT ALL AUSE A LEVEL OF EVEL BUT NOT LESS .72 18.4.3.1, 18.4.1.2 CH CAN NORMALLY BE A IS FUNCTIONING 2.1.1) NAL IN TEMPORAL DING FOR E LY WITH CBC 907.2.3 IND SHALL NOT BE TON OF EACH FIRE EXTENDER AND TIFICATION OF FIRE AT LABELED PER NFPA 72 D EVICE PER NFPA 72	FIRE ALARM C EDWARDS ES BACKBOX: EDV (DIMENSIONS: PROCESSOR: LCD: EDWARD AUDIO SOURC 20W ZONE AM NETWORK: 4-N DACT: EDWARD POWER SUPPI C.S.F.M. #7165 FIRE ALARM R EDWARDS ES BACKBOX: EDV (DIMENSIONS: PROCESSOR: AUDIO SOURC LCD: EDWARD MICROPHONE NETWORK: 4-N C.S.F.M. #7165 NEW ADDRESS EDWARDS #SI EDWARDS	VESCRIPT ONTROL PANEL 'FACP-1' & 'FA T4 SERIES W/AUTOMATIC CHA WARDS #3-CAB14B & DOOR: E 37.75"H x 24.12"W x 3.86"D): EDWARDS #4-CPU S #4-LCDAUDTEL E UNIT: EDWARDS #4-AUDTE PLIFIER: EDWARDS #3-ZA20A VET-AD WITH 4-NET-CAT DS #3-MODCOMP #3-IDC8/4 LY: EDWARDS #4-PPS/M -1657:0186 EMOTE ANNUNCIATOR T4 SERIES WARDS #4-4ANNMT 13.72"H x 12.73"W x 2.2"D): EDWARDS #4-ANNCPU E EXPANDER: EDWARDS #4-/ S #4-LCDANN E EDWARDS #4-ANNCPU E EXPANDER: EDWARDS #4-/ S #4-LCDANN E EDWARDS #4-ANNCPU E EXPANDER: EDWARDS #4-/ SAELPSYNCRONIZATION OUT GA-CC1S, C.S.F.M. #7300-1657:0 SABLE SMOKE DETECTOR AND GA-OSD; C.S.F.M. #7300-1657:0 SABLE SMOKE DETECTOR AND GA-HRD; C.S.F.M. #7300-1657:0 SABLE HEAT DETECTOR AND GA-HRD; C.S.F.M. #7320-1657:0 SABLE HEAT DETECTOR SA FAMILY ACADEMY ELEME REMENTS FOR AUTOMATI ND ALARM SYSTEM SPEAKE G4RF-S, WG4RTS -1657:0289	ACP-2' ARGING SYSTEM EDWARDS #4-CAB24DR EDWARDS #4-CAB24DR LS LS ANNAUDTEL 20 RUXMQDULEX 20 RUXMQDULEX 20 BASE (ON CEILING): 0311 20 BASE (ON CEILING): 0312 20 BASE (ON CEILING): 0313 20 BASE (ON CEILING): 0333 20 BASE (ON CEILING): 0333 20 ALL MOUNTED 316 R (OUTDOOR - WEATHERP C FIRE ALARM SYSTEMS THE AREAS AND/OR S PROJECT: S BEEN DESIGNED FOR RE SPRINKLERED ABOV RE EXEMPTED FROM AE ISE FULLY AUTOMATIC. OVED CENTRAL STATION VALUE IS LESS THAN \$2 DULAR BUILDINGS WHIC LSE FULLY AUTOMATIC. OVED CENTRAL STATION VALUE IS LESS THAN \$2 COVED CENTRAL STATION CHAPTER 12.5 OF THE I CHAPTER 13.5 OF THE I CHAPTER 15.5 OF THE I CHAPTER 15.5
ΡM			FIF			 ATION	1	X
8:42:01 F			DEVICE FIRE ALARM PANEL	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMOK DAMPER, OR ACTIVATE SMOKE VENT RELEASE	OWN HVAC JIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION

FIRE ALARM OPERATION	NAL MATRIX

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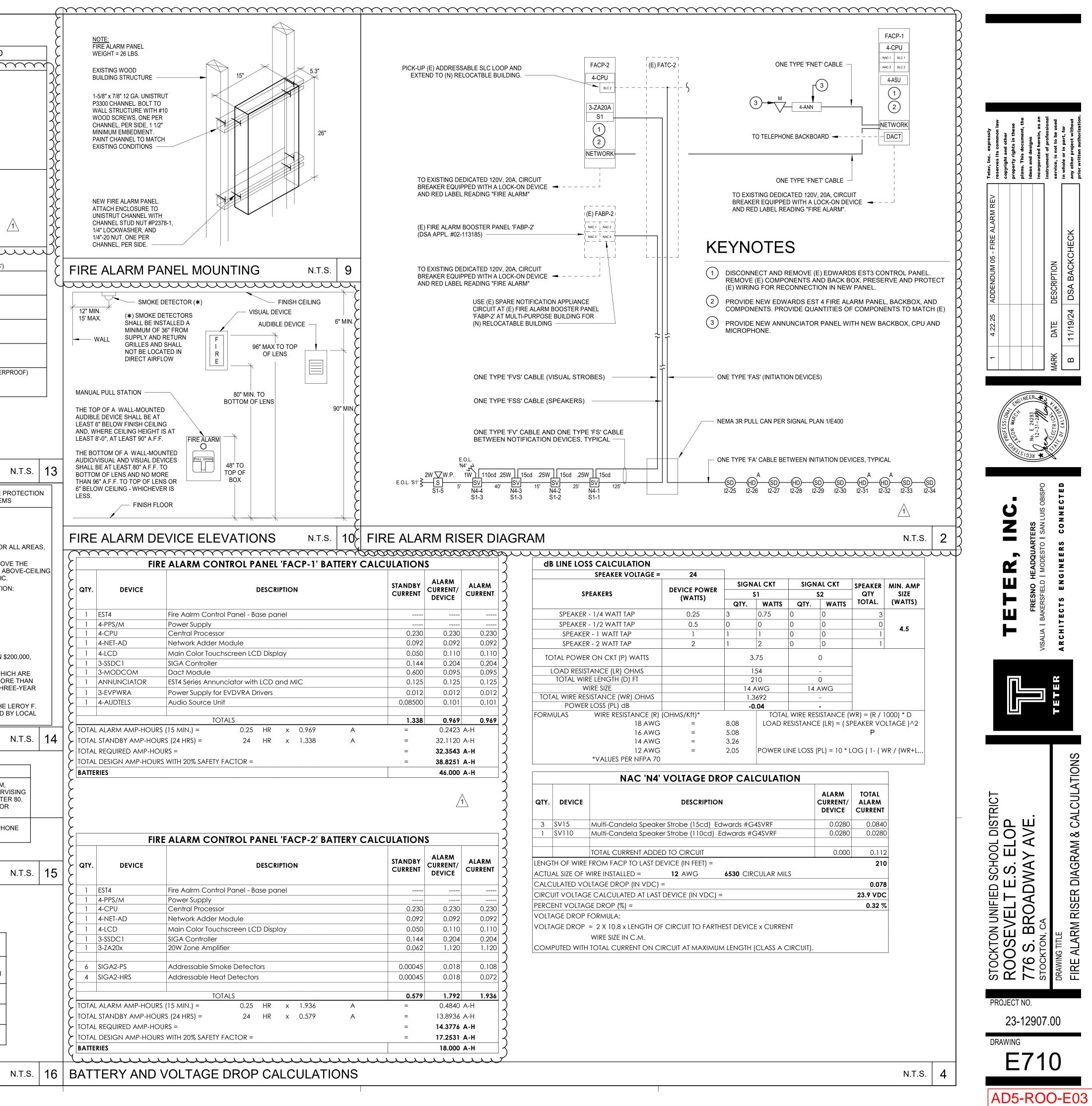
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SYSTEM TROUBLE

SMOKE DETECTOR

HEAT DETECTOR



			FIRE ALA	RM CABLE	SCHEDULE	
	CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
	'FAS'	1 PR, #16 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQC225	BLACK	FIRE ALARM	SITE ADDRESSABLE SLC LOOP CABLE - EXTERIOR/OUTDOOR
	'FA'	1 PR, #16 AWG SOLID UNSHIELDED FPL	WEST PENN #D990	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE - INTERIC
-	'FSS'	1 PR, #14 AWG SOLID SHIELDED, FPL	WEST PENN #AQC295	BLACK	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT - EXTERIOR/OUTDOOI
	'FS'	1 PR, #14 AWG SOLID SHIELDED, FPLP	WEST PENN #60992B	RED	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT - INTERIOR
	'FVS'	1 PR, #12 STRANDED UNSHIELDED FPL	WEST PENN #AQ227	BLACK	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANC CIRCUIT - EXTERIOR/OUTDOOR
	'FV'	1 PR, #12 SOLID UNSHIELDED FPLP	WEST PENN #60995B	RED	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANO
	'FNET'	4-STRAND MULTI-MODE FIBER OPTIC CABLE (62.5/125um)	CORNING INFINICOR 300 OR EQUIVALENT	BLACK	FIRE ALARM	SITE OPTICAL FIBER FIRE ALARM NETWOR

		TELECOMM	UNICATION	CABLE SCH	EDULE
CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
'SFO'	12-STRAND SINGLE-MODE FIBER OPTIC CABLE	CORNING SMF-28e+ OR EQUIVALENT	BLACK	DATA	SITE OPTICAL FIBER DATA NETWORK
'D'	4 UTP #24 AWG CATEGORY 6 FILLED OUTDOOR	COMMSCOPE MEDIA 6 #6NF4+	BLACK	DATA	HORIZONTAL DATA CABLE - OUTDOOR
'H'	ACTIVE FIBER OPTIC HDMI CABLE	CHROMIS #AOC-18G-R-OBXP OR EQUIVALENT	BLACK	VIDEO	BUILDING HDM1 CABLE M/M

TELECOMMUNICATIONS CABLE SCHEDULE

				LIGHTI	NG FIXTURE SCHEDULE		
FIXTURE DESIGNATION	FIXTURE VOLTAGE		MOUNTING	DRIVER & COLOR TEMP	DESCRIPTION	MANUFACTURER	CATALOG #
S1	120 V	69	POLE PER 8/E600	LED - 4000K	SINGLE HEAD POLE MOUNTED SITE LIGHT + 12'-6" x 5" SQUARE STRAIGHT STEEL POLE WITH HANDHOLE	LITHONIA	DSX0 LED-P3-40K-80CRI-T5LG-MVOL D + SSS-12-6-5G-DM19AS-CPL12/1 XD
W2	120 V	32	WALL MOUNTED	LED - 4000K	WALL MOUNTED LED LIGHT FIXTURE, +8'AFF (13.5 LBS)	LITHONIA	WDGE2 LED-P3-40K-80CRI-TFT

LIGHT FIXTURE SCHEDULE

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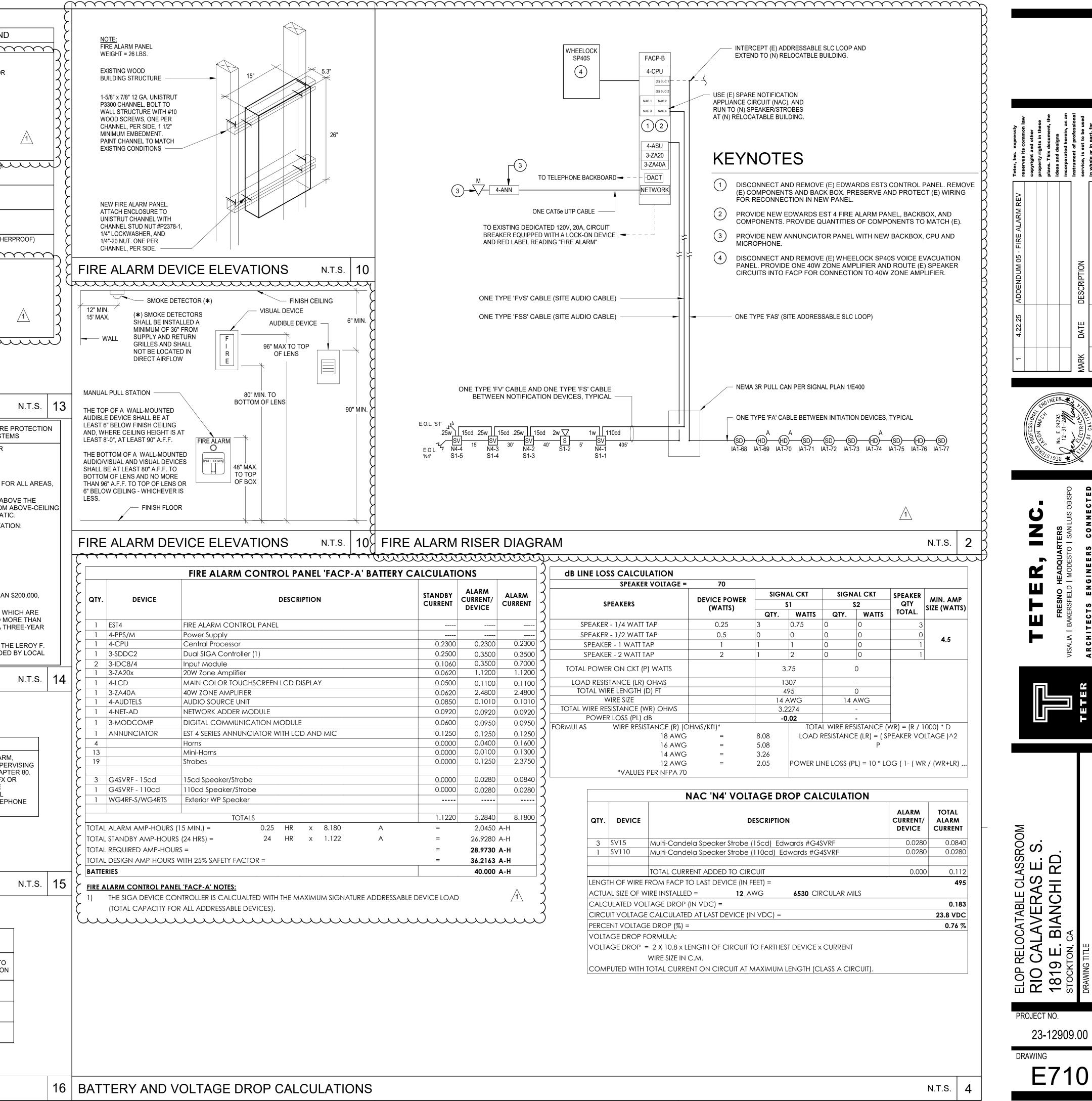
RIOR NCE NCE N.T.S. 13	CODES, RULES & REGULATIONS ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILTY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK. C.E.C. TITLE 24 COMPLIANCE THE LIGHTING CONTROL SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS OF THE CURRENT CALIFORNIA ENERGY COMMISSION EFFICIENCY STANDARDS FOR NORRESIDENTIAL BUILDINGS. DEGENERATION OF ALL CELLING MOUNTED ELECTRICAL EQUIPMENT. CREFER TO THE ARCHITECTURAL REFLECTED CELLING PLAN FOR THE EXACT LOCATION OF ALL CELLING MOUNTED ELECTRICAL EQUIPMENT. NUMERY WORK FLANG AND PLANGING MOUNTED ELECTRICAL EQUIPMENT. OUMERY SUPPLYING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH -IN WORK FOR THIE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT. OUMERS COLORADOL ON OF ALL FLOOR BOXES AND ASSOCIATED TRENCH, BACKFILL AND SAWCUTTING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH -IN WORK FOR THIS EQUIPMENT. OCORDINATE ELECTRICAL PANEL AND TERMINAL CABINET LOCATIONS AND ROUTING OF UNDERGROUND CONDUITS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.		SYME E.P. D.T. O.C R.T. U.G W.P W.T A.F.I U.O. (E) (N) (1) A-3 →
N.T.S. 14 G# VOLT-SPA-PIR-DDBX 12/15B-EHH15D-DDB I-TFTM-MVOLT-SRM	 ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICIT, GAS OR WATER, "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL AVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT SHALL AVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. COMPONENTS WEIGHING LESS THAN 50 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HONG FROM A WALL. THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBLITY AND ACCEPTANCE BY DASA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE DRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6, 13.6, 13.6, 7, 13.6, 8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26. THE METHOD OF SHOWING B		
N.T.S. 15	GENERAL NOTES N.T.S. 12	SYMBOL	⊗ Image: Second state st

	ELECTRICAL SY DIMENSIONS INDICATED ARE MEASURED TO CENTE NOTE: SOME SYMBOLS SHOWN M	RLINE OF	ENCLOSURE, UNLESS OTHERWISE NOTED
SYMBOL		SYMBOL	DESCRIPTION SINGLE POLE AC SNAP SWITCH @, +48" TO TOP LOWER CASE SUBSCRIPT INDICATES
E.P. D.T.	DENOTES EXPLOSION PROOF CONSTRUCTION DENOTES DUST TIGHT CONSTRUCTION	\$ a \$ 2	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP LOWER CASE SUBSCRIPT INDICATES OF BOX, U.O.N. CONTROLLED SWITCHLEG OF CIRCUIT TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
0.C.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	<u>₽2</u> \$3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
R.T.	DENOTES RAIN TIGHT CONSTRUCTION	\$ 4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
U.G.	DENOTES UNDERGROUND INSTALLATION	\$ м	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
V.P.	DENOTES VAPOR TIGHT CONSTRUCTION	\$ P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N.
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	\$ T	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N.
W.T.		\$ _A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
A.F.F. A.F.G.	DENOTES ABOVE FINISHED FLOOR DENOTES ABOVE FINISHED GRADE	\$к [\$]	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N. WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N.
F.B.O.	DENOTES ABOVE FINISHED BY OTHERS		OCCUPANCY SENSOR - CEILING MOUNTED
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	M_{W}	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N.
(E)	DENOTES EXISTING TO REMAIN, NO WORK U.O.N.	P	LIGHTING CONTROL SYSTEM DIMMING/POWER PACK MOUNTED IN ATTIC
(N)	DENOTES NEW	(RP)	LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC
	ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET	<u>(C1)</u>	LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N.
A-3	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4"C. MINIMUM, U.O.N.	<u>(C4)</u>	LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N. LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER
	CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCHEDULE		@ +48" TO TOP OF BOX, U.O.N.
	CONDUIT IN ATTIC/WALL: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N. CONDUIT IN FLOOR/U.G.: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N.		LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED LIGHTING CONTROL SYSTEM NETWORK BRIDGE
	DENOTES EXISTING CONDUIT RUN TO REMAIN	(nB) (nG)	LIGHTING CONTROL STSTEM NETWORK BRIDGE
	CONDUIT RUN - STUBBED. CAPPED AND LABELED.		LIGHTING CONTROL STSTEM NETWORK GATEWAT
	CONDUIT RUN: DENOTES 3/4"C - 3 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.		LIGHTING CONTROL SYSTEM TIME CLOCK
-##	CONDUIT RUN: DENOTES 3/4"C - 4 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	(PC)	PHOTOCELL CONTROL MOUNTED ON ROOF
	CONDUIT RUN: DENOTES 3/4"C - 5 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	T	LOW VOLTAGE CONTROL TRANSFORMER
	CONDUIT RUN: DENOTES 1"C - 6 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.		
₽Ø	SEPARATE POWER AND DATA FLOOR BOXES (2)	TZZZI	ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4)
ΔΔ	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2)	2223	ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL
<u></u>	TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N.	M	TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5)
₽	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N.	M	TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL
e =	TAMPER-RESISTANT DUPLEX GFI RECEPTACLE, IN WALL @ 18", U.O.N.		LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
•	TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (OCC. SENSOR OR WALL SWITCH CONTOLLED) TAMPER-RESISTANT WEATHER RESISTANT (W/R) DUPLEX GFCI RECEPTACLE W/ W.P. COVER		LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
	@+18", U.O.N.		FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5) FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL (5)
€	TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ +18", U.O.N. (7) TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18", U.O.N.		FIRE ALARIM PANEL PER PLANS, SURFACE MOUNTED ON WALL
₽	SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N.	SWP	EXTERIOR SPEAKER (WALL MOUNTED), ELEVATION AS NOTED
	DUPLEX RECEPTACLE FLUSH IN CEILING	S	SPEAKER IN CEILING, U.O.N.
	TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18" A.F.F., U.O.N. ONE UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CONTROLLED) RECEPTACLE		SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N.
U U	JUNCTION BOX		WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N.
0°	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	S	SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N. (3)
	NON-FUSIBLE DISCONNECT SWITCH	MD	INTRUSION ALARM SYSTEM MOTION DETECTOR (WALL MOUNTED) (3)
	FUSIBLE DISCONNECT SWITCH		INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT (3)
	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER		INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT (3)
Ò	ELECTRIC MOTOR	GB	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR (3)
Ø	EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR	KP	INTRUSION ALARM SYSTEM KEYPAD (WALL MOUNTED) (3)
	SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.ON.	CR	INTRUSION ALARM SYSTEM CARD READER (WALL MOUNTED) (3)
	RECESSED LED LIGHTING FIXTURE	FR SCA	INTRUSION ALARM SYSTEM FOB READER (WALL MOUNTED) (3) SECURITY CAMERA (WALL MOUNTED) ROUGH-IN LOCATION PER PLAN (3)
	RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP SURFACE MOUNTED LED LIGHTING FIXTURE		SECURITY CAMERA (WALL MOUNTED) ROUGH-IN LOCATION PER PLAN (3)
	SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	SD	FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N.
	SURFACE MOUNTED LED STRIP LIGHT	HD HD	FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N.
	SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP	HDA	FIRE ALARM HEAT DETECTOR IN ATTIC U.O.N.
Ø	POST TOP MOUNTED LIGHTING FIXTURE	DD	FIRE ALARM DUCT DETECTOR IN HVAC DUCT
Ø	WALL MOUNTED LIGHTING FIXTURE	DR	FIRE ALARM DOOR RELEASE
Ø	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	CR	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE
0	CEILING MOUNTED LIGHTING FIXTURE	CS	FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE
0	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	AM	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
	RECESSED LIGHTING FIXTURE	SM	
	RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP	F	FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N. FIRE ALARM WATERFLOW DETECTION SWITCH
	SURFACE MOUNTED ROUND LIGHTING FIXTURE SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	WF WT	FIRE ALARM WATERFLOW DETECTION SWITCH FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE
\otimes	ILLUMINATED EXIT SIGN MOUNTED ON CEILING	TS	FIRE ALARM TAMPER SWITCH
Ø	ILLUMINATED EXIT SIGN MOUNTED ON WALL	V	FIRE ALARM VISUAL ALARM UNIT (WALL@ +80" MINIMUM, U.O.N.)
Ø	LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL	$\overline{\mathbb{V}}$	FIRE ALARM VISUAL ALARM UNIT (CEILING)
©-[]	POLE MOUNTED EXTERIOR LIGHTING FIXTURE	AV	FIRE ALARM HORN/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
		ÂV	FIRE ALARM VISUAL ALARM UNIT (CEILING)
2/2 ▷	COMBINATION VOICE AND DATA OUTLET IN WALL, WITH TWO 'D' CABLES TO IDF + TWO 'T' CABLES TO TELEPHONE BACKBOARD. (1) (6)	Н	INTERIOR FIRE ALARM HORN (WALL @ +10'-0", U.O.N.)
XD	DATA OUTLET IN WALL @ +18", U.O.N., WITH 'D' CABLES TO IDF OR MDF (SUBSCRIPT INDICATES QUANTITY OF CABLES AND STATION SIDE JACKS) (1) (6)		EXTERIOR FIRE ALARM HORN (EXTERIOR WALL)
TVD	TELEVISION OUTLET IN WALL @ +18", U.O.N. (1)	SV	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
MD	MICROPHONE OUTLET IN WALL @ +18", U.O.N. (1)	SV No	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (CEILING)
s⊳ Ic⊳	SPEAKER OUTLET IN WALL @ +18", U.O.N. (1)		EXTERIOR VOICE EVACUATION SPEAKER (EXTERIOR WALL)
	INTERCOMMUNICATIONS HANDSET ON WALL @ +48" TO TOP OF BOX U.O.N. WIRELESS ACCESS POINT LOCATION, PROVIDE TWO TYPE 'D' CABLES TO IDF OR MDF		FIRE ALARM CIRCUIT END OF LINE RESISTOR
	, ,		
ELECT	RICAL SYMBOLS NOTES:		
	N 1"C CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE DVE NEAREST T-BAR CEILING, U.O.N.		DDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1"C AND TWO C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR
		CEIL	ING U.O.N REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM T.C. CATED FLUSH MOUNTED ON SIGNAL PLAN.
INT(N 1"C TO NEAREST WALL, THEN RISE CONCEALED IN WALL AND STUB O ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N.		
SYS	R SINGLE SYSTEMS INDIVIDUAL FLOORBOXES. WHERE MULTIPLE STEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN TWO 1"C PER	()	ACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.
ABC		ÉNG	NGE DEVICE (ISOLATED GROUND DUPLEX RECEPT. ONLY) WITH RAVED WORDING ON COVER PLATE ABOVE ISOLATED GROUND
	TEM IS ROUGH IN ONLY, PROVIDE BACKBOX, BLANK COVERPLATE AND NDUIT STUB PER DETAIL PLANS.		EPT.: "COMPUTER ONLY".
(4) IN A	DDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1 1/4"C, ONE 1"C,		
) AND	D TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST AR CEILING, U.O.N. THIS REQUIREMENT APPLIES TO EACH POWER AND		
	HTING PANEL INDICATED FLUSH MOUNTED ON POWER PLAN.		



leslv.maciasTBNP5.rvt		FIRE ALARM SYSTEM DESCRIP	TION		Г				
TBNF	SI SI	HE FIRE ALARM SYSTEM DESCRIBED BY THESE DRAWINGS / PECIFICATIONS IS A <u>MANUAL</u> AND <u>AUTOMATIC</u> SYSTEM. THIS ETECTORS ON CEILINGS AND IN THE ROOMS HOUSING THE	S SYSTE	M UTILIZES SMOKE		SYMBOL		LARM SYSTEM EQUIF	
acias		QUIPMENT, WITH HEAT DETECTORS INSTALLED IN ATTICS. T <u>DDRESSABLE</u> AND IS WIRED <u>CLASS 'B' WITHIN</u> THE BUILDING	HE SYS	TEM IS		FACP	EDWARDS EST	ONTROL PANEL 'FACP' 4 SERIES W/AUTOMATIC CHAF	RGING SYSTEM
lv.m	, B	UILDINGS.			4		(DIMENSIONS:	VARDS #3-CAB14B & DOOR: ED 37.75"H x 24.12"W x 3.86"D):	WARDS #4-CAB24DF
		FIRE ALARM APPROVAL					LCD: EDWARDS	EDWARDS #4-CPU S #4-LCDAUDTEL E UNIT: EDWARDS #4-AUDTELS	6
ELOP	ТН	E FIRE ALARM SYSTEM DESIGN IS A "COMPLETE PLAN SUBMITTAL"			ξ		20W ZONE AMF 40W ZONE AMF	PLIFIER: EDWARDS #3-ZA20A PLIFIER: EDWARDS #3-ZA40A	
ELEM	HE RE	BMITTAL GUIDELINES. THE CONTRACTOR SHALL INSTALL THE SYS REIN SPECIFIED. IF ANY SUBSTITUTION OF FIRE ALARM EQUIPMEN QUEST SHALL BE MADE A MINIMUM OF TWO WEEKS PRIOR TO PRO	IT IS TO B	E REQUESTED, SUCH	ξ			ET-AD WITH 4-NET-CAT DS #3-MODCOMP #3-IDC8/4	
ື່∍ທ	GL	NTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING THE SUBST IIDELINES AND SHALL PAY ALL ADDITIONAL COSTS REQUIRED TO A	TITUTION	PER THE DSA	ξ			Y: EDWARDS #4-PPS/M	
AVERA		E SUBSTITUTED FIRE ALARM SYSTEM BY DSA, WHETHER OR NOT INTRACTOR'S SUBMITTAL SHALL INCLUDE MANUFACTURER'S CAT ITING SHEETS FOR THE INDIVIDUAL COMPONENTS COMPRISING TH	ALOG CU	T SHEETS AND CSFM		SD SD	EDWARDS #SIC	GABLESSMOKE DETECTOR AND GA-OSD; C.S.F.M. #7272-1657:05	511 [°]
CALAV	SY SIC	STEM, BATTERY LOAD CALCULATIONS AND VOLTAGE DROP CALC GNALING CIRCUIT.			-		NEW ADDRESS	GA-SB; C.S.F.M. #7300-1657:012 GABLE HEAT DETECTOR AND B GA-HRD; C.S.F.M. #7270-1657:03	ASE (IN ATTIC):
		APPLICABLE CODES AND STANE	DARDS		-		EDWARDS #SIC	GA-RRD, C.S.F.M. #7210-1657:03 GA-SB; C.S.F.M. #7300-1657:012 /STROBE ANNUNCIATOR - WA	0
R\Documents\12909-E-RIO	202	22 CA BUILDING CODE - CCR, TITLE 24, PART 2, VOLUMES 1 & 2 (2021 IBC AND CALIFORNIA AMENDMENTS)				SV XX	(XX REPRESEN		
1290	202	22 CÀ ELECTRICAL CODE - CCR, TITLE 24, PART 3 (2020 NEC AND CALIFORNIA AMENDMENTS)				S	EDWARDS #W0	ACUATION SYSTEM SPEAKER G4RF-S, WG4RTS	,
ents/	202	22 CA MECHANICAL CODE - CCR, TITLE 24, PART 4 (2021 UMC AND CALIFORNIA AMENDMENTS) 22 CA PLUMBING CODE - CCR, TITLE 24, PART 5			8			1657:6289 EMOTE ANNUNCIATOR	
cume	- 202	(2021 UPC AND CALIFORNIA AMENDMENTS) 22 CA FIRE CODE - CCR, TITLE 24, PART 9 (2021 IFC AND CALIFORNIA AMENDMENTS)			ξ	4-ANN M	BACKBOX: EDV	VARDS #4-4ANNMT 13.72"H x 12.73"W x 2.2"D):	
R\Dc		22 CÀ REFERENCE STANDARDS CODE - CCR, ŤITLE 24, PART 12 22 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS AND 2022 CALI			ξ	\bigtriangledown		EDWARDS #4-ANNCPU E EXPANDER: EDWARDS #4-AN	INAUDTEL
Η Η	PU	22 NFPA 72, NATIONAL FIRE ALARM CODE, AND 2022 CALIFORNIA AI BLIC SAFETY, STATE FIRE MARSHAL REGULATIONS - CCR, TITLE 19 A GUIDELINES FOR FIRE AND LIFE SAFETY SYSTEMS, DIVISION OF	9		ξ		MICROPHONE: NETWORK: 4-N	EDWARDS #4-LCDANN ET-AD WITH 4-NET-CAT	
icias		OF REGULATION SERVICES.					C.S.F.M. #7165-		
\\tetr-file1\Users\leslv.macias		FIRE ALARM GENERAL NOT							
's\les	1.	UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATE AND CEC 300.6)	ERTIGHT	FITTINGS. (CEC 110.11					
\Use	2.	OUTLETS ON OPPOSITE SIDES OF A FIRE RATED WALL SHAL MINIMUM HORIZONTAL SPACING OF TWO FEET.	L BE INST	ALLED WITH A					
-file1	3.	FIRE ALARM DEVICE MOUNTING HEIGHTS SHALL BE AS FOLL	OWS:		FI	RE A	LARM L	EGEND	
\\tet		a. PULL STATION - OPERABLE PART OF A MANUALLY AC DEVICE SHALL BE NOT LESS THAN 42" FROM FINISHE	D FLOOR	; AND TOP OF BOX		SB575 -		FAMILY ACADEMY ELEMEN REMENTS FOR AUTOMATIC	
		SHALL NOT BE MORE THAN 48" FROM FINISHED FLOC 17.14.5) b. INTERIOR AUDIBLE NOTIFICATION APPLIANCE - AT LE	,					ND ALARM SYSTEM FOR TH SCOPE OF WORK OF THIS	
		DEVICE ABOVE FINISHED FLOOR AND NOT LESS THA (NFPA 72 18.4.8.1) c. WALL-MOUNTED STROBE OR SPEAKER/STROBE - AT			[CC CC	MPLIES WITH	SB575	
		 c. WALL-MOUNTED STROBE OR SPEAKER/STROBE - AT LENS AND NOT GREATER THAN 96" TO TOP OF LENS (NFPA 72 18.5.5.1) 						-AUTOMATIC SYSTEM HAS	BEEN DESIGNED F
	4.	AUDIBLE SIGNAL DEVICES OF A FIRE ALARM SYSTEM INTENE OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED A						EAS AND/OR BUILDINGS AR 6, SO HEAT DETECTORS AR THE SYSTEM IS OTHERWIS	E EXEMPTED FRO
		AUDIBILITY OF AT LEAST 15 dBA ABOVE AVERAGE AMBIENT S THAN 75 dBA AT TEN FEET, OR MORE THAN 110 dBA IN TOTAI	SOUND LE	EVEL BUT NOT LESS		\times	7	TIC DIALER TO A UL-APPRO	
	5.	AND CFC 907.5.2.1.2) AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN TH	IAT WHIC	H CAN NORMALLY BE				TING, OR	
		EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM UNDER NORMAL OPERATIVE OR WORKING CONDITIONS. (CF	OR AREA	IS FUNCTIONING				JDED AS PART OF THIS PRO	DJECT.
	6.	AUDIBLE DEVICES SHALL SOUND THE CA UNIFORM FIRE ALA MODE. PROVIDE AT LEAST ONE EXTERIOR AUDIBLE DEVICE				IS I	EXEMPT FROM	SB575	
		OCCUPANCIES. (CFC 907.5.2.1.3) EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM SHAL						PROJECT CONSTRUCTION \	-
	'.	AND NFPA 72 24.4.2					J TEMPORARY	T CONSISTS OF ONLY MOD THESE BUILDINGS SHALL SFROM THE INSTALLATION	BE REMOVED NO
	8.	VISUAL DEVICES SHALL NOT EXCEED TWO FLASHES PER SE SLOWER THAN ONE FLASH EVERY SECOND. (NFPA 72 18.5.3.		ID SHALL NOT BE			EXTENSION	IS APPROVED BY DSA, OR	
	9.	ALARM CONTROL UNIT, NOTIFICATION APPLIANCE CIRCUIT P	OWER EX	KTENDER AND				HOOL FACILITIES ACT. IT W	
		SUPERVISING STATION TRANSMITTING EQUIPMENT TO PROV THAT LOCATION. (NFPA 72 10.4.4)	VIDE NOT	IFICATION OF FIRE AT	SE	3575			
	10	D. BRANCH CIRCUITS PROTECTING FIRE ALARM EQUIPMENT SH 10.6.5.2.2 AND SHALL INCLUDE A LISTED CIRCUIT BREAKER L 10.6.5.4							
	11	I. COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING							
		APPLIANCES. PROVIDE A COPY OF THE COMPLETED RECOR OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHO PROJECT INSPECTOR. TESTING OF THE ENTIRE SYSTEM SH	ORITY, AN	ID DSA VIA THE					
		PRESENCE OF THE LOCAL FIRE AUTHORITY AND THE DSA I FINAL TEST SHALL INCLUDE READ OUT VERIFICATION FORM	NSPECTO	R OF RECORD (IOR).		AU		RE ALARM MONITOR ALARM SYSTEMS SHALL TI	
	12	2. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TES ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATION				ST	ATION AS REQ	ND TROUBLE SIGNALS TO A UIRED BY NFPA 72 AS AMEN G STATION SHALL BE LISTE	NDED BY CFC CHA
		14.4.1.1, NFPA 72 14.5)	- (UU RE	IJS BY UNDERV QUIREMENTS	VRITERS LABORATORY OR OF FACTORY MUTUAL RESI	SHALL MEET THE EARCH APPROVAL
	F	IRE ALARM CODES AND NOTES	5	N.T.S. 19				SUPERVISION OF SYSTEM	AND LEASED TELE
				-					
					FI	RE A		IONITORING N	NOTE
				L					
		FIRE ALAR	RM S	SYSTEM (DP	'ER	ATION	IAL MATRIX	X
>		DEVICE ACTIVATE		SHUTDOWN FIRE/SMOK DAMPER, OR ACTIVATE				ANNUNCIATE AT BUILDING FACP AND ALL	SEND SIGNAL TO
46 PI		SIGNALS/STRO		SMOKE VENT RELEASE		EQU	IPMENT	REMOTE ANNUNCIATORS	
7:14:		FIRE ALARM PANEL SYSTEM TROUBLE		× - /	_				× .
2025 7:14:46 PM		SMOKE DETECTOR		\times					\times
	1								× /

HEAT DETECTOR



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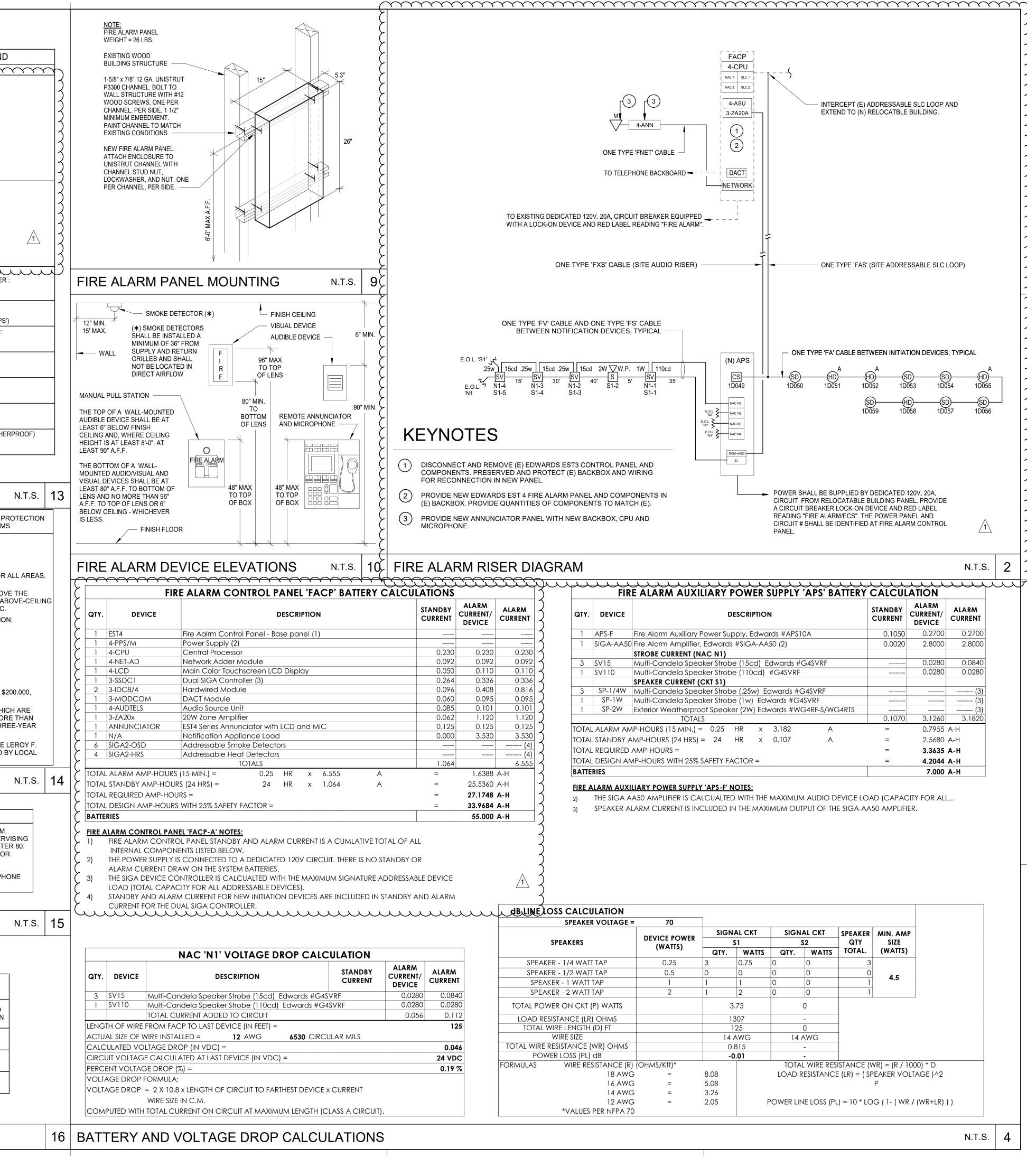
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AD5-RIO-E05

⊃5.rvt			FIRE ALA	RM SYS	TEM DES	CRIPTION								
STBN	SPEC	CIFICATION	M SYSTEM DESCR NS IS A <u>MANUAL</u> AN N CEILINGS AND IN	ID <u>AUTOM</u>	<u>ATIC</u> SYSTE	M. THIS SYST	TEM UTILIZES			[
acias	EQUI ADDF	IPMENT, W RESSABLE	ITH HEAT DETECT	ORS INSTA	ALLED IN AT	TICS. THE SY	STEM IS			SAMBOK				
ON ELEM ELOP_lesly.maciasTBNP5.rvt	THE FI SUBMI HEREI REQUI CONTE GUIDE	ITTAL GUIDI N SPECIFIE EST SHALL RACTOR SH ELINES AND	FIR SYSTEM DESIGN IS A ELINES. THE CONTRA D. IF ANY SUBSTITUT BE MADE A MINIMUM IALL BE RESPONSIBL SHALL PAY ALL ADD D FIRE ALARM SYSTE	A "COMPLET ACTOR SHA TON OF FIR I OF TWO W LE FOR SUB ITIONAL CO	LL INSTALL T E ALARM EQI (EEKS PRIOR MITTING THE STS REQUIRI	MITTAL" PER D HE SYSTEM AS UIPMENT IS TO TO PROJECT E SUBSTITUTIOI ED TO ACCOMI	S SHOWN AND) BE REQUESTI BID DATE. THE N PER THE DS, MODATE REVIE	AS ED, SUCH A EW OF		FACP	EDWARDS ES (E) BACKBOX (DIMENSIONS PROCESSOR LCD: EDWARI AUDIO SOUR 20W ZONE AM NETWORK: 4- DACT: EDWARD I/O: EDWARDS POWER SUPF	PLY: EDWARDS #4	TOMATIC CHAR(AB14B W x 3.86"D): PU L DS #4-AUDTELS DS #3-ZA20A IET-MM P	
STOCKTON HAMILTON	CONTE LISTIN SYSTE	RACTOR'S G SHEETS I	SUBMITTAL SHALL IN FOR THE INDIVIDUAL Y LOAD CALCULATIC	ICLUDE MAI COMPONE ONS AND VO	NUFACTUREF NTS COMPRI DLTAGE DRO	R'S CATALOG C SING THE SUB P CALCULATIO	CUT SHEETS AN STITUTED FIR INS FOR EACH	ND CSFM		A-ANN ₩	EDWARDS ES BACKBOX: EE (DIMENSIONS PROCESSOR	REMOTE ANNUNC	MT ₩ x 2.2"D): NCPU	
ments\13018-E-STOC	2022 C 2022 C	(2021 IBC A CA ELECTRIC (2020 NEC CA MECHAN (2021 UMC	GODE - CCR, TITLE ND CALIFORNIA AME CAL CODE - CCR, TIT AND CALIFORNIA AM ICAL CODE - CCR, TIT AND CALIFORNIA AM G CODE - CCR, TITLE	ENDMENTS) LE 24, PART ENDMENTS FLE 24, PAR IENDMENTS	73 3) 74 8)	& 2				(N) APS	MICROPHONE NETWORK: 4- C.S.F.M. #716 NEW PREAL AUTOMATIC (ARIMANXINARY P CHARGING SYSTE	ET-MM	しまたので、 AL AUDIO AMPLIFIEF
ents\13		(2021 UPC) A FIRE COE	AND CALIFORNIA AM DE - CCR, TITLE 24, P/ ND CALIFORNIA AME	ENDMENTS ART 9	5)						EDWARDS #S	PS-10A, C.S.F.M. IGA-AA50, C.S.F.M SABLE SYNCROM	1. #7300-1657:01	21
	2022 N	À REFEREN IFPA 13, INS	NCE STANDARDS CO STALLATION OF SPRII TIONAL FIRE ALARM	DE - CCR, Ť NKLER SYS	ITLE 24, PAR ⁻ TEMS AND 20	22 CALIFORNIA		S		CS	EDWARDS #S (MOUNT INSI	IGA-CC1S, C.S.F.I DE NEW FIRE ALA	M.#7300-1657:01: RM AUXILIARY F	
ETR\Docu		UIDELINES	STATE FIRE MARSHA FOR FIRE AND LIFE S LATION SERVICES.				TATE ARCHITEC	CT OFFICE		(SD)	EDWARDS #S EDWARDS #S	IGA-OSD; C.S.F.N IGA-SB; C.S.F.M. ;	l. #7272-1657:051 #7300-1657:0120	11 ` ´
cias_TI			FIRE A	LARM G	ENERAL	NOTES				Ð	EDWARDS #S EDWARDS #S	IGA-HRD; C.S.F.N IGA-SB; C.S.F.M. ;	l. #7270-1657:033 #7300-1657:0120	33
ly.mad	1.	AND CEO	,				,				EDWARDS #S EDWARDS #S	SABLE HEAT DE IGA-HRD; C.S.F.M IGA-SB; C.S.F.M.	l. #7270-1657:033 #7300-1657:0120	33
ers\les	2. 3.	MINIMUM	S ON OPPOSITE SIDE I HORIZONTAL SPACI RM DEVICE MOUNTII	ING OF TWO	D FEET.		STALLED WITH	A		sv _{xx}	(XX REPRESE EDWARDS #G	R/STROBE ANNU NTS CANDELA) S4SVRF; C.S.F.M. ;	¥7320-1657:0516	
\\tetr-file1\Users\lesly.macias	5.	a. P D S	PULL STATION - OPER DEVICE SHALL BE NO SHALL NOT BE MORE 7.14.5)	ABLE PART	OF A MANUA N 42" FROM F	ALLY ACTUATE FINISHED FLOC	OR; AND TOP O	F BOX		S		VG4RF-S, WG4RT		OUTDOOR - WEATH
\/te		b. II D (1	NTERIÓR AUDIBLE NO DEVICE ABOVE FINISH NFPA 72 18.4.8.1)	IED FLOOR	AND NOT LE	SS THAN 6" BE	LOW FINISHED	CEILING.				EGEND		
		L	VALL-MOUNTED STR(ENS AND NOT GREA NFPA 72 18.5.5.1)											RY SCHOOL FIRE F
	4.	OCCUPA AUDIBILI ⁻ THAN 75	SIGNAL DEVICES OF NTS SHALL BE SO LC TY OF AT LEAST 15 dI dBA AT TEN FEET, OI 907.5.2.1.2)	DCATED ANI BA ABOVE A	D UNOBSTRU AVERAGE AM	ICTED AS TO C BIENT SOUND	CAUSE A LEVE LEVEL BUT NO	T LESS			ACT REQUIR	EMENTS FOR A	UTOMATIC FIF	RE ALARM SYSTEM
	5.	EXPECTE	NOISE LEVELS SHAI ED TO EXIST WHEN T IORMAL OPERATIVE	HE FACILIT	Y, BUILDING,	ROOM OR ARE	EA IS FUNCTION			[OR THE ARE	AS AND/OR BUI	LDINGS ARE S	EN DESIGNED FOF PRINKLERED ABO XEMPTED FROM A
	6.	MODE. P	DEVICES SHALL SOU ROVIDE AT LEAST ON NCIES. (CFC 907.5.2.	NE EXTERIC				DRAL		\times	AREAS.	THE SYSTEM IS	OTHERWISE F	FULLY AUTOMATIC
	7.		NCY VOICE/ALARM C A 72 24.4.2	COMMUNICA	TION SYSTEI	M SHALL COMF	PLY WITH CBC	907.2.3		[·		
	8.		DEVICES SHALL NOT				AND SHALL NO	ТBE		IS EX	KEMPT FROM S	DED AS PART O SB575	F THIS PROJE	CT.
	9.	ALARM C SUPERVI	TIC SMOKE DETECTI CONTROL UNIT, NOTIF SING STATION TRAN CATION. (NFPA 72 10	FICATION AI SMITTING E	PPLIANCE CIF	RCUIT POWER	EXTENDER AN	D			OR			UE IS LESS THAN \$
	10.	BRANCH	CIRCUITS PROTECT	ING FIRE AL							TEMPORARY; THREE YEARS EXTENSION IS	THESE BUILDIN FROM THE INS APPROVED BY	GS SHALL BE TALLATION DA DSA, OR	AR BUILDINGS WH REMOVED NO MO ATE UNLESS A THF
	11.	APPLIAN OWNER PROJEC PRESEN	TE THE NFPA 72 REC CES. PROVIDE A CO (SCHOOL DISTRICT), T INSPECTOR. TESTI CE OF THE LOCAL FI ST SHALL INCLUDE F	PY OF THE ARCHITECT NG OF THE RE AUTHOR	COMPLETED , LOCAL FIRE ENTIRE SYS RITY AND THE	RECORD OF C E AUTHORITY, A STEM SHALL BE E DSA INSPECT	COMPLETION TO AND DSA VIA T E MADE IN THE TOR OF RECOM	HE RD (IOR).	SE		GREENE SCH FUNDS.			PTER 12.5 OF THE BE 100% FUNDED
	12.	THE AUT	OMATIC ALARM SYS ⁻ ANCE WITH THE STA	TEM SHALL	BE INSTALLE	D, TESTED, AN		DIN			FI	RE ALARM N		
			NFPA 72 14.5)								TOMATIC FIRE	ALARM SYSTEM	IS SHALL TRAI	NSMIT THE ALARM
										STA THE UU REC STA	ATION AS REQUE SUPERVISING JS BY UNDERV QUIREMENTS (ANDARD 3011.	JIRED BY NFPA S STATION SHA VRITERS LABOF OF FACTORY MI	72 AS AMENDI LL BE LISTED A ATORY OR SH JTUAL RESEAR OF SYSTEM AN	ED BY CFC CHAPT AS EITHER UUFX C IALL MEET THE RCH APPROVAL D LEASED TELEPH
	FIR	RE AL/	ARM COD	ES Al	ND NO	TES	N.T.	s. 19	FI	RE A		MONITO	RING N	OTE
				FIR						ER	ATION	JAL MA		
MG 6			DEVICE		EVAC	IVATE UATION S/STROBES		N FIRE/SMO OR ACTIVAT ENT RELEAS	TE		OWN HVAC IPMENT	ANNUNCI BUILDING FAC REMOTE ANNU	P AND ALL	SEND SIGNAL TO CENTRAL STATION

DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SMOKE DAMPER, OR ACTIVATE SMOKE VENT RELEASE	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION
FIRE ALARM PANEL SYSTEM TROUBLE			\times	\times
SMOKE DETECTOR	\times		\times	\times
HEAT DETECTOR	\times		\times	\times





5. Zt							
3NPé				FIRE ALA	RM CABLE	SCHEDULE	
iasTE		CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
lesly.maciasTBNP5.rvt		'FXS'	1 PR, #14 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQ226	BLACK	FIRE ALARM	SITE AUDIO RISER CABLE - EXTERIOR/OUTDOOR
ЧО		'FAS'	1 PR, #16 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQC225	BLACK	FIRE ALARM	SITE ADDRESSABLE SLC LOOP CABLE - EXTERIOR/OUTDOOR
-EM EL		'FA'	1 PR, #16 AWG SOLID UNSHIELDED FPL	WEST PENN #D990	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE - INTERIOR
		'FS'	1 PR, #14 AWG SOLID SHIELDED, FPLP	WEST PENN #60992B	RED	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT - INTERIOR
TETR\Documents\13018-E-STOCKTON HAMILTON		^{'FV'}	1 PR, #12 SOLID	WEST PENN #60995B	RED		
KTON H		'FNET'	4-STRAND MULTI-MODE FIBER OPTIC CABLE (62.5/125um)	CORNING INFINICOR 300 OR EQUIVALENT	BLACK	FIRE ALARM	SITE OPTICAL FIBER FIRE ALARM NETWORK
STOC							
о- Ш- 8							
\1301	FIRE /	ALARM CA	BLE SCHEDU	LE			
ments							
Docui							
retr/							
nac						CABLE SCH	EDULE
ssly.r		CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
Users\lesly.macias _.		'SFO'	6-STRAND SINGLE-MODE FIBER OPTIC CABLE	CORNING SMF-28e+ OR EQUIVALENT	BLACK	DATA	SITE OPTICAL FIBER DATA NETWORK
	1	1		001000005			

COMMSCOPE MEDIA 6 #6NF4+

CHROMIS #AOC-18G-R-OBXP OR EQUIVALENT

1

TELLECOMMUNICATIONS CABLE SCHEDULE

4 UTP #24 AWG

CATEGORY 6 FILLED

OUTDOOR

ACTIVE FIBER OPTIC HDMI CABLE

'D'

'H'

						LIGHTING FIXTURE SCHEDU	JLE	
C	FIXTURE DESIGNATION	FIXTURE VOLTAGE		MOUNTING	DRIVER & COLOR TEMP	DESCRIPTION	MANUFACTURER	CATALOG #
		0 V	0					
	S1	120 V	69	POLE PER 18/E600	LED - 4000K	SINGLE HEAD POLE MOUNTED SITE LIGHT + 12'-6" x 5" SQUARE STRAIGHT STEEL POLE WITH HANDHOLE	LITHONIA	DSX0 LED-P3-40K-80CRI-T5LG-MVOLT-SPA-PIR- SSS-12-6-5G-DM19AS-CPL12/15B-EHH15D
	W1	120 V	32	WALL MOUNTED	LED - 4000K	WALL MOUNTED LED LIGHT FIXTURE, +8'AFF (13.5 LBS)	LITHONIA	WDGE2 LED-P3-40K-80CRI-TFTM-MVOLT-S

BLACK

BLACK

DATA

VIDEO

HORIZONTAL DATA CABLE - OUTDOOR

BUILDING HDM1 CABLE M/M

LIGHT FIXTURE SCHEDULE

 CODES, RULES & RECULATION CODES, RULES & RECULATION CODES, RULES & RECULATION Contract of the second sec				
NTS 13 NTS 14	CE	ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK. C.E.C. TITLE 24 COMPLIANCE THE LIGHTING AND LIGHTING CONTROL SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS OF THE CURRENT CALIFORNIA ENERGY COMMISSION EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS. GENERAL NOTES (TYPICAL) 1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT. 2. REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT. 3. VERIFY THE EXACT LOCATION OF ALL FLOOR BOXES AND ASSOCIATED TRENCH, BACKFILL AND SAWCUTTING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH -IN WORK FOR THIS EQUIPMENT.	E.P. D.T. O.C. R.T. U.G. V.P. W.P. W.P. W.T. A.F.F. A.F.G. F.B.O. U.O.N. (E) (N)	DIMENSIONS INDICATED ARE MEA NOTE: SOME S DESCRIPTION DENOTES EXPLOSION PROOF CONSTRUCTION DENOTES DUST TIGHT CONSTRUCTION DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE DENOTES RAIN TIGHT CONSTRUCTION DENOTES UNDERGROUND INSTALLATION DENOTES VAPOR TIGHT CONSTRUCTION DENOTES WEATHERPROOF CONSTRUCTION DENOTES WATER TIGHT CONSTRUCTION DENOTES WATER TIGHT CONSTRUCTION DENOTES ABOVE FINISHED FLOOR DENOTES ABOVE FINISHED FLOOR DENOTES FURNISHED BY OTHERS DENOTES FURNISHED BY OTHERS DENOTES UNLESS OTHERWISE NOTED DENOTES EXISTING TO REMAIN, NO WORK U.O.N. DENOTES NEW ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAM
NTS 1 ALL PROVIDENCE OF CONTROL OF CONTROL OF CONTROL OF ALL OF CONTROL OF CO	N.T.S. 13	ROUTING OF UNDERGROUND CONDUITS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT. 5. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK WILL IMPACT PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF RESPONSIBILITY FOR SUPPLYING EQUIPMENT. MEP COMPONENT ANCHORAGE NOTE ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE		CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCH CONDUIT IN ATTIC/WALL: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CONDUIT IN FLOOR/U.G.: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 DENOTES EXISTING CONDUIT RUN TO REMAIN CONDUIT RUN - STUBBED, CAPPED AND LABELED. CONDUIT RUN: DENOTES 3/4"C - 3 #12 AWG CU THWN + 1 #12 CU GN CONDUIT RUN: DENOTES 3/4"C - 4 #12 AWG CU THWN + 1 #12 CU GN CONDUIT RUN: DENOTES 3/4"C - 5 #12 AWG CU THWN + 1 #12 CU GN
N.T.S. 14 N.T.S. 14 Source-entry synchronic Less makes provided and the concertainty of		 DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30. 1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE. 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH 		SEPARATE POWER AND DATA FLOOR BOXES FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N. TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N. TAMPER-RESISTANT DUPLEX GFI RECEPTACLE, IN WALL @ 18", U.O. TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ 18", U.O. TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" (OCC. SENSOR OR WALL SWITCH CONTOLLED) TAMPER-RESISTANT WEATHER RESISTANT (W/R) DUPLEX GFCI REC @+18", U.O.N. TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN W TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18", U. SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U DUPLEX RECEPTACLE FLUSH IN CEILING TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18" A. UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CC JUNCTION BOX
N.T.S. 14 LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL POLE MOUNTED EXTERIOR LIGHTING FRATURE 212 D: TONO TO ALL SIGN TO DEFEND ALL MONATOR 213 D: TONO TO ALL SIGN TO TONE ALL MONATOR 214 D: TONO TO ALL SIGN TO TONE ALL MONATOR 215 D: TONO TO ALL SIGN TO TONE ALL MONATOR 216 D: TONO TO ALL SIGN TO TONE ALL MONATOR 217 D: TO ALL SIGN TO TONE ALL MONATOR 218 D: STORE TONE ALL SIGN TO FORM ALL SIGN TO TONE ALL SIGN TO TO ALL SIGN TO TONE ALL SIGN TO TONE ALL SIGN TO TO TO ALL SIGN TO ALL SIGN TO TO TO ALL SIGN TO TO TO ALL SIGN TO ALL SIGN	R-DDBXD +	 LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL. THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26. THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE C, G. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS. ELECTRICAL DISTRIBUTION SYSTEMS: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) #OPM-0052-13, 		 NON-FUSIBLE DISCONNECT SWITCH FUSIBLE DISCONNECT SWITCH FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER ELECTRIC MOTOR EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.ON. RECESSED LED LIGHTING FIXTURE RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BA SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BA SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY SURFACE MOUNTED LED STRIP LIGHT SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY POST TOP MOUNTED LIGHTING FIXTURE WALL MOUNTED LIGHTING FIXTURE WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BA CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BA CEILING MOUNTED LIGHTING FIXTURE RECESSED LIGHTING FIXTURE RECESSED LIGHTING FIXTURE RECESSED LIGHTING FIXTURE SURFACE MOUNTED LIGHTING FIXTURE SURFACE MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BA CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY RECESSED LIGHTING FIXTURE SURFACE MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY SURFACE MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY SURFACE MOUNTED ROUND LIGHTING FIXTURE SURFACE MOUNTED ROUND LIGHTING FIXTURE SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY ILLUMINATED EXIT SIGN MOUNTED ON CEILING
GENERAL NOTES N.T.S. 12 SYMBOL LEGEND AND NOTES	N.T.S. 14		Image: Second state st	ILLUMINATED EXIT SIGN MOUNTED ON WALL ILLUMINATED EXIT SIGN MOUNTED ON WALL LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL POLE MOUNTED EXTERIOR LIGHTING FIXTURE COMBINATION VOICE AND DATA OUTLET IN WALL, WITH TWO 'D' CAF + TWO 'T' CABLES TO TELEPHONE BACKBOARD. DATA OUTLET IN WALL @ +18", U.O.N., WITH 'D' CABLES TO IDF OR M (SUBSCRIPT INDICATES QUANTITY OF CABLES AND STATION SIDE J, TELEVISION OUTLET IN WALL @ +18", U.O.N. MICROPHONE OUTLET IN WALL @ +18", U.O.N. SPEAKER OUTLET IN WALL @ +18", U.O.N. INTERCOMMUNICATIONS HANDSET ON WALL @ +48" TO TOP OF BOJ WIRELESS ACCESS POINT LOCATION, PROVIDE TWO TYPE 'D' CABLE TRICAL SYMBOLS NOTES: N 1"C CONCEALED IN WALL AND STUB INTO ACCESSIB OVE NEAREST T-BAR CEILING, U.O.N. N 1"C TO NEAREST WALL, THEN RISE CONCEALED IN V 'O ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR OR R SINGLE SYSTEMS INDIVIDUAL FLOORBOXES. WHERE STEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN T OVE. STEM IS ROUGH IN ONLY, PROVIDE BACKBOX, BLANK ON NDUIT STUB PER DETAIL PLANS. ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE D TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE D TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE. BAR CEILING, U.O.N. THIS REQUIREMENT APPLIES TO EN CALL AND
		GENERAL NOTES N.T.S. 12	SYMBOL LEG	END AND NOTES

l	\$ a	DESCRIPTION SINGLE POLE AC SNAP SWITCH @ +48" TO TOP LOWER CASE SUBSCRIPT INDICA OF BOX, U.O.N. CONTROLLED SWITCHLEG OF CIF	TES
	\$ 2	TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.	
NE OF DEVICE	\$ 3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.	
	\$ 4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.	
	\$м	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.	
	\$ _P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N.	
	\$ _⊺	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N.	
	\$ A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.	
	\$κ	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.	
		WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N.	
		OCCUPANCY SENSOR - CEILING MOUNTED	
	$\langle M \rangle_W$	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N. LIGHTING CONTROL SYSTEM DIMMING/POWER PACK MOUNTED IN ATTIC	
).N.	(P) (RP)	LIGHTING CONTROL SYSTEM DIMINING/POWER PACK MOUNTED IN ATTIC	
#1 OF NOTES ON SAME SHEET			
#3, - 3/4"C. MINIMUM, U.O.N.		LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX, U.O.N. LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH	
SYSTEM FEEDER SCHEDULE		(@ +48" TO TOP OF BOX, U.O.N. LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER (@ +48" TO TOP OF BOX, U.O.N.	
AWG CU THWN, 1#12 CU GND, U.O.N.		LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED	
AWG CU THWN, 1#12 CU GND, U.O.N.	(nB)	LIGHTING CONTROL SYSTEM NETWORK BRIDGE	
	(G)	LIGHTING CONTROL SYSTEM NETWORK GATEWAY	
ED.		LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE	
THWN + 1 #12 CU GND, U.O.N.		LIGHTING CONTROL SYSTEM TIME CLOCK	
THWN + 1 #12 CU GND, U.O.N.	PC	PHOTOCELL CONTROL MOUNTED ON ROOF	
THWN + 1 #12 CU GND, U.O.N.	T	LOW VOLTAGE CONTROL TRANSFORMER	
HWN + 1 #12 CU GND, U.O.N.			
(2)	T	ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL	(4
) PER PLANS, U.O.N. (2)	2223	ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL	_
VALL @ +18", U.O.N.	M	TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL	(5
NALL @ +18", U.O.N.		TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL	
E, IN WALL @ 18", U.O.N.	шш	LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL	(5
		LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL	
R) DUPLEX GFCI RECEPTACLE W/ W.P. COVER		FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL	(5
ND RECEPTACLE IN WALL @ +18", U.O.N. (7)		FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL	
LE IN WALL @ +18", U.O.N.			
'LAN IN WALL @ 18" U.O.N.	Swp	EXTERIOR SPEAKER (WALL MOUNTED), ELEVATION AS NOTED	
	(s)	SPEAKER IN CEILING, U.O.N.	
LE IN WALL @ +18" A.F.F., U.O.N. ONE ED (OCC. SENSOR CONTROLLED) RECEPTACLE		SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N.	
	<u>Ф</u>	WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N.	()
IECTION TO EQUIPMENT	S	SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N. INTRUSION ALARM SYSTEM MOTION DETECTOR (WALL MOUNTED)	(3
	MD	INTRUSION ALARM SYSTEM MOTION DETECTOR (WALL MOUNTED)	(3
MAGNETIC STARTER		INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT	(3
	GB	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR	(3
MOTOR	KP	INTRUSION ALARM STOTEM GLAGO BREAK DETEOTOR	(3
)" A.F.F. U.ON.	CR	INTRUSION ALARM SYSTEM CARD READER (WALL MOUNTED)	(3
	FR	INTRUSION ALARM SYSTEM FOB READER (WALL MOUNTED)	(3
RGENCY BATTERY BACKUP	N32	SECURITY CAMERA (WALL MOUNTED) ROUGH-IN LOCATION PER PLAN	(3
/ITH EMERGENCY BATTERY BACKUP	SD	FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N.	
	HD	FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N.	
IERGENCY BATTERY BACKUP	HDA	FIRE ALARM HEAT DETECTOR IN ATTIC U.O.N.	
	DD	FIRE ALARM DUCT DETECTOR IN HVAC DUCT	
	DR	FIRE ALARM DOOR RELEASE	
RGENCY BATTERY BACKUP	CR	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE	
	CS	FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE	
IERGENCY BATTERY BACKUP	AM	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE	
	SM	FIRE ALARM SYNC MODULE	
RY BACKUP	F	FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N.	
E	WF	FIRE ALARM WATERFLOW DETECTION SWITCH	
E WITH EMERGENCY BATTERY BACKUP	WT	FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE	
1	TS		
		FIRE ALARM VISUAL ALARM UNIT (WALL@ +80" MINIMUM, U.O.N.)	
OUNTED ON WALL			
		FIRE ALARM HORN/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)	
LL, WITH TWO 'D' CABLES TO IDF	AV) H	FIRE ALARM VISUAL ALARM UNIT (CEILING) INTERIOR FIRE ALARM HORN (WALL @ +10'-0", U.O.N.)	
CABLES TO IDF OR MDF		EXTERIOR FIRE ALARM HORN (WALL @ +10-0", 0.0.N.)	
AND STATION SIDE JACKS) (1) (6) (1)	SV	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)	
(1)	(SV)	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (CEILING)	
(1)	DS	EXTERIOR VOICE EVACUATION SPEAKER (EXTERIOR WALL)	
) +48" TO TOP OF BOX U.O.N.	W W	FIRE ALARM CIRCUIT END OF LINE RESISTOR	
TWO TYPE 'D' CABLES TO IDF OR MDF			
INTO ACCESSIBLE ATTIC SPACE CONCEALED IN WALL AND STUB IEAREST T-BAR CEILING, U.O.N. RBOXES. WHERE MULTIPLE DOR BOX, RUN TWO 1"C PER	3/4"(CEIL INDI (6) 4S E	DDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1"C AND TWO C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR ING U.O.N REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM T.C. CATED FLUSH MOUNTED ON SIGNAL PLAN. BACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.	
CKBOX, BLANK COVERPLATE AND LANS, STUB ONE 1 1/4"C, ONE 1"C, LE ATTIC SPACE ABOVE NEAREST	É	RIGE DEVICE (ISOLATED GROUND DUPLEX RECEPT. ONLY) WITH RAVED WORDING ON COVER PLATE ABOVE ISOLATED GROUND EPT.: "COMPUTER ONLY".	

