FIRE ALARM BATI	CONTRO ERY CA			P."	
DEC COLOTION	QUANTITY	SUPV. CURRENT		ALARM CURRENT	
DESCRIPTION		EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM CONTROL PANEL	I	0.300	0.300	0.350	0.350
SUPERVISED OUTPUT MODULE	l	0.00022	0.00022	0.006	0.006
ATTIC HEAT DETECTORS	8	0.00035	0.0028	0.00050	0.0040
CEILING MOUNTED SMOKE DETECTOR	8	0.00045	0.0036	0.00054	0.00432
MONITOR MODULES	2	0.00055	0.0011	0.00066	0.00132
	TOTALS	10.00	0.308		0.3657

TOTAL ALARM CURRENT OF 0.3657 x 0.250 (15 MINUTES) = 0.0914 A.H. TOTAL SUPERVISORY CURRENT OF 0.308 x 24 HOURS = 1.392 A.H. TOTAL AMP HOURS REQUIRED 7.484 A.H. x I.2 SAFETY FACTOR 8.981 A.H.

PROVIDE 18.0 AMP HOUR BATTERIES

FIRE ALARM POWER EXPANDER PANEL "FAXP-NR" BATTERY CALCULATION					
DEC CRIPTION	QUANTITY	SUPV. CURRENT		ALARM CURRENT	
DESCRIPTION		EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM POWER EXPANDER PANEL	[0.09	0.09	0.175	0.175
30cd STROBE/SPEAKER (CEILING)	8	hadran and a second		0.088	0.704
	TOTALS		0.09		0.879

TOTAL ALARM CURRENT OF 0.879 x 0.250 (15 MINUTES) = 0.2198 A.H. TOTAL SUPERVISORY CURRENT OF 0.09 x 24 HOURS = 2.160 A.H. TOTAL AMP HOURS REQUIRED 2.380 A.H. x I.2 SAFETY FACTOR

PROVIDE 7.0 AMP HOUR BATTERIES

APPROX. WEIGHT = 34 LBS

FOR ENCLOSURE.

PER CHANNEL.

INSIDE DOOR.

-FLUSH LOCK.

EACH CORNER.

FIRE ALARM CONTROL PANEL MOUNTING

-ENGRAVED NAMEPLATE.

-TYPEWRITTEN ZONE DIRECTORY

WITH FOUR 3/8" DIA, STUD NUTS.

APPROX. WEIGHT = 38 LBS

FOR ENCLOSURE.

PER CHANNEL.

INSIDE DOOR.

EACH CORNER.

FIRE ALARM DIGITAL VOICE PANEL MOUNTING

-FLUSH LOCK.

- ENGRAVED NAMEPLATE.

TYPEWRITTEN ZONE DIRECTORY

WITH FOUR 3/8" DIA. STUD NUTS,

-PROVIDE INTERMEDIATE STUD

EXISTING BUILDING STRUCTURE STUDS.

-1 5/8" SQ. x 12 GA. GALV. (HG) FRAMING

CHANNELS, UNPUNCHED (LENGTH AS REQUIRED),

WITH I/4" DIA. x 2 I/2" LG. LAG BOLTS. TWO

-ATTACH ENCLOSURE TO "FRAMING" CHANNEL

LOCKWASHERS AND HEX NUTS, ONE AT

TYPICAL. BOLT CHANNEL TO WALL STRUCTURE

- ATTACH ENCLOSURE TO "FRAMING" CHANNEL

LOCKWASHERS AND HEX NUTS, ONE AT

-PROVIDE INTERMEDIATE STUD

- EXISTING BUILDING STRUCTURE STUDS.

-- 1 5/8" SQ. x 12 GA. GALV. (HG) FRAMING

CHANNELS, UNPUNCHED (LENGTH AS REQUIRED),

TYPICAL. BOLT CHANNEL TO WALL STRUCTURE

WITH I/4" DIA. x 2 I/2" LG. LAG BOLTS. TWO

FIRE AL.	ARM AMI TERY CA	•		uddie ab de laur de la proposition della proposition della proposition della proposition della proposition della proposi	
DESCRIPTION	QUANTITY	SUPV. CURRENT		ALARM CURRENT	
		EACH	SUB-TOTAL	EACH	SUB-TOTAL
FIRE ALARM AMPLIFIER PANEL		0.312	0.312	2.714	2.714
	TOTALS		0.312		2.714

FIRE ALARM DIGITAL VOICE PANEL "F.A.D.V."

SUPV. CURRENT ALARM CURRENT

EACH SUB-TOTAL EACH SUB-TOTA

x I.2 SAFETY FACTOR

6.617 A.H.

9.800 A.H.

0.186 | 0.186 | 0.199 | 0.199

0.186

BATTERY CALCULATION

TOTALS

TOTAL ALARM CURRENT OF 0.199 x 0.250 (15 MINUTES) = 0.0498 A.H.

TOTAL SUPERVISORY CURRENT OF 0.186 x 24 HOURS = 4.464 A.H.

DESCRIPTION

FIRE ALARM DIGITAL VOICE PANEL

TOTAL AMP HOURS REQUIRED

PROVIDE 7.0 AMP HOUR BATTERIES

TOTAL ALARM CURRENT OF 2.714 x 0.250 (15 MINUTES) = 0.679 A.H. TOTAL SUPERVISORY CURRENT OF 0.312 x 24 HOURS = 7.488 A.H. TOTAL AMP HOURS REQUIRED 8.167 A.H. x I.2 SAFETY FACTOR

PROVIDE 18.0 AMP HOUR BATTERIES

FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS							
RESULT OF OPERATION	TYPE OF INITIATION						
	MANUAL PULL STATION	AREA SMOKE/ HEAT DETECTOR (I)	LOSS OF POWER	SHORT CIRCUIT/ GROUND FAULT	FIRE SPRINKLER RISER WATER FLOW SWITCH	FIRE SPRINKLER RISER TAMPER SWITCH	
ANNUNCIATE ALARM AT FIRE ALARM CONTROL PANEL	YE5	YES	***************************************		YE5		
ANNUNCIATE TROUBLE AT FIRE ALARM CONTROL PANEL			YES	YES		YES	
ACTIVATE ALL AUDIBLE ALARMS	YE5	YES	***************************************	Note that the second control of the second c	YE5		
ACTIVATE ALL VISUAL ALARMS	YE5	YES			YE5	р-татарительной разанической система	
TRANSFER TO BATTERY BACK-UP		л ун унстанства	YES				
SHUTDOWN RESPECTIVE A/C UNIT	***************************************	YES	Marine and the second s		process control to the security of security secu	*************************	
ANNUNCIATE AT 24 HR, ATTENDED LOCATION	YES	YES	YES	200000000000000000000000000000000000000	YES	YES	
CENTRAL STATION FOR MONITORING (ALARM)	YES	YES		William Commission Com		enet representation of the second	
CENTRAL STATION FOR MONITORING (TROUBLE)	NO PROMOTE DESCRIPTION OF THE PROPERTY OF THE	SATURDADO A ARREADO E UMA ARRAMAN ARRA	YE5	WAR 2011 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
CENTRAL STATION FOR MONITORING (SUPERVISORY)	Manusch die Agent der Arte gereicht gegebahre.	ghamiles are to the second and the second are to the second and the second are to th	**************************************		SHOULD CHARGE THE CONTROL OF THE CON	YES	

2.856 A.H.

(I) THIS OPERATION SHALL BE ACCOMPLISHED BY UTILIZING THE TOTAL SMOKE COVERAGE SYSTEM TO ACTIVATE THE RESPECTIVE RELAY MODULE. THE CONTACTS SHALL BE PROGRAMMED TO "OPEN", THUS "OPENING" THE H.V.A.C. CONTROL CIRCUIT.

SHROUD AT SURFACE MOUNTED FIRE ALARM

(FOR ENCLOSING OF EXPOSED CONDUITS)

EXPANDER AND SURFACE MOUNTED AMPLIFIER

SHROUD TO MATCH-

SECTION

-SELF-DRILLING SCREW $10-16 \times 3/4$ " HWH,

TYPICAL

WIDTH AND DEPTH

OF ENCLOSURE

WHERE SURFACE MOUNTED

SHROUD ABOVE ENCLOSURE TO CEILING, ATTACH SHROUD

TO 16 GA. ANGLE CONTINUOUSLY

AT WALL AND FLOOR, PAINT AS

ENCLOSURES ARE SHOWN,

PROVIDE A 16 GA. G.I.

DIRECTED BY OWNER.

-SURFACE MOUNTED

FIRE ALARM PANEL.

APPROX. WEIGHT = 16.5 LBS

-PROVIDE INTERMEDIATE STUD

-1 5/8" SQ. x 12 GA. GALV. (HG) FRAMING

CHANNELS, UNPUNCHED (LENGTH AS REQUIRED).

TYPICAL BOLT CHANNEL TO WALL STRUCTURE

WITH I/4" DIA. x 2 I/2" LG. LAG BOLTS. TWO

- ATTACH ENCLOSURE TO "FRAMING" CHANNEL

LOCKWASHERS AND HEX NUTS, ONE AT

WITH FOUR 3/8" DIA. STUD NUTS,

-TYPEWRITTEN ZONE DIRECTORY

FOR ENCLOSURE.

PER CHANNEL.

-FLUSH LOCK.

EACH CORNER.

INSIDE DOOR.

FIRE ALARM BATTERY CABINET MOUNTING

-ENGRAVED NAMEPLATE.

SYMBOL	DESCRIPTION	MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS B	MOUNTING HEIGHT (TO CENTER U.O.N.)
FACP	FIRE ALARM CONTROL PANEL "FACP"	HOCHIKI #FN-4127 (45LC)	7165-0410:0159	INCLUDED	+54"
FAXP	FIRE ALARM NAC POWER EXPANDER	HOCHIKI #FN-642-ULADA-R	7315-0410:0166	INCLUDED	+54"
BATT.CAB.	BATTERY CABINET	HOCHIKI #FN-ACC-R	7165-0410:0159	INCLUDED	+54"
FADV	FIRE ALARM DIGITAL VOICE COMMUNICATIONS CONTROL PANEL	HOCHIKI #FNV-MP-16-R	6911-0410:0175	INCLUDED	+54"
AMP	AMPLIFIER (8 CHANNEL)	HOCHIKI #FNV-DPS-100R	6911-0410:0175	INCLUDED	+54"
DSM	DUAL SYNC. MODULE	GENTEX #AV544	7125-0569:0123	4" 5Q. x 2 1/8" D B	
MM	MONITOR MODULE	HOCHIKI #FRCME-P	1300-0410:0150	4" 5Q. x 2 1/8" D B	
SOM	SUPERVISED OUTPUT MODULE	HOCHIKI #SOM-A	7300-0410:0150	4" 5Q. x 2 1/8" D B	
<u>(30)</u>	ANALOG ADDRESSABLE PHOTOELECTRONIC SMOKE SENSOR	HOCHIKI #ALN-V, HSB-NSA-6 BASE	7272-0410:0204	3.5" OCTAGON BOX OR 4" OCTAGON BOX WITH RAISED ROUND COVER B	PER DETAIL #2/E2.2
(HI)	ATTIC HEAD DETECTOR 190° FIXED AND BASE	HOCHIKI #ATJ-EAF, HSB-NSA-6 BASE	7272-0410-0203	3.5" OCTAGON BOX OR 4" OCTAGON BOX WITH RAISED ROUND COVER B	PER DETAIL #2/E2.2
SP M.P.	EXTERIOR WEATHERPROOF SPEAKER WALL MOUNTED	GENTEX #WSS-PK-R	7320-0569:0141	4" SQ. x 1 1/2" D	DE
(SP) (39)	COMBINATION SPEAKER/30cd STROBE	HOCHIKI #H55P-K24-PKR	7320-0410:0194	4" 5Q. x 2 1/8" D	
——€ E.O.L.	END OF LINE RESISTOR				***************************************
"FA" CABLE	ADDRESSABLE FIRE ALARM CABLE (INDOORS)	WEST PENN #D990	7161-0859:0101		
"SFA" CABLE	ADDRESSABLE FIRE ALARM CABLE (OUTDOORS)	WEST PENN #AQ225	7161-0859:0101		
"FS" CABLE	FIRE ALARM SPEAKER CABLE (INDOOR/OUTDOORS)	WEST PENN #AQC225	7161-0859:0101		

NOTES (FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS):

- (A) END OF LINE RESISTORS FOR NOTIFICATION APPLIANCE CIRCUITS SHALL BE 3,9K OHM, 1/2 WATT,
- (B) VERIFY BACKBOX REQUIREMENTS WITH FIRE ALARM SYSTEM EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- (C) END OF LINE RESISTORS FOR CONVENTIONAL DEVICES CONNECTED TO ADDRESSABLE MONITOR MODULE DEVICES AND/OR ADDRESSABLE CONTROL MODULES SHALL BE 3.9K OHM, I/2 WATT.
- (D) SEE FIRE ALARM PLAN FOR MOUNTING HEIGHT.
- (E) PROVIDED WITH W.P. BACKBOX #GBLP

APPROX. WEIGHT = 19 LBS

FOR ENCLOSURE.

PER CHANNEL.

INSIDE DOOR,

FLUSH LOCK.

EACH CORNER.

FOR ENCLOSURE.

PER CHANNEL.

INSIDE DOOR.

EACH CORNER.

FIRE ALARM AMPLIFIER PANEL MOUNTING

--- FLUSH LOCK.

-ENGRAVED NAMEPLATE.

TYPEWRITTEN ZONE DIRECTORY

WITH FOUR 3/8" DIA, STUD NUTS.

FIRE ALARM POWER EXPANDER PANEL MOUNTING

-ENGRAVED NAMEPLATE.

TYPEWRITTEN ZONE DIRECTORY

WITH FOUR 3/8" DIA. STUD NUTS,

APPROX. WEIGHT = 48 LBS

PROVIDE INTERMEDIATE STUD

--- EXISTING BUILDING STRUCTURE STUDS.

-- 1 5/8" SQ. x 12 GA. GALV. (HG) FRAMING

CHANNELS, UNPUNCHED (LENGTH AS REQUIRED).

WITH I/4" DIA. x 2 I/2" LG. LAG BOLTS. TWO

ATTACH ENCLOSURE TO "FRAMING" CHANNEL

LOCKWASHERS AND HEX NUTS, ONE AT

TYPICAL. BOLT CHANNEL TO WALL STRUCTURE

- ATTACH ENCLOSURE TO "FRAMING" CHANNEL

LOCKWASHERS AND HEX NUTS, ONE AT

PROVIDE INTERMEDIATE STUD

--- EXISTING BUILDING STRUCTURE STUDS.

-1 5/8" SQ. x 12 GA. GALV. (HG) FRAMING

CHANNELS, UNPUNCHED (LENGTH AS REQUIRED),

WITH 1/4" DIA. x 2 1/2" LG. LAG BOLTS. TWO

TYPICAL. BOLT CHANNEL TO WALL STRUCTURE

VOLTAGE DROP CALCULATIONS (OHM'S LAW)
VOLTAGE DROP = 2 $\left(\begin{array}{c} DC \text{ RESISTANCE AT 75°C} \\ FROM TABLE & C.E.C. \end{array}\right) \left(\begin{array}{c} \underline{\text{LENGTH OF CIRCUIT}} \\ 1000 \end{array}\right) \left(\begin{array}{c} \text{CURRENT} \\ \end{array}\right)$
PERCENT VOLTAGE DROP = VOLTAGE DROP NOMINAL VOLTAGE × 100
I. NOTIFICATION APPLIANCE CIRCUIT "NP1":
(SP) : 6 × 0.088A = 0.528A (30)
VOLTAGE DROP = 2 (1.98) $\left(\frac{230'}{1000}\right)$ (0.528) = 0.481 V.D.
PERCENT VOLTAGE DROP = $\frac{0.481}{24}$ × 100 = 2.00%
2. NOTIFICATION APPLIANCE CIRCUIT "WP2":
SP : 2 × 0.088A = 0.176A 30
VOLTAGE DROP = 2 (1.98) $\left(\frac{285'}{1000}\right)$ (0.176) = 0.199 V.D.
PERCENT VOLTAGE DROP = $\frac{0.199}{24} \times 100 = 0.83\%$

SCOPE OF WORK

- PROVIDE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH SUPPLEMENTAL MANUAL FIRE DETECTION.
- 2. PROVIDE A FIRE ALARM CONTROL PANEL, FIRE ALARM POWER EXPANDER PANEL, ADDRESSABLE INITIATION DEVICES, NOTIFICATION APPLIANCES, CONDUIT, CABLING AND CONDUCTORS AS SHOWN ON THE DRAWINGS.

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

SCHOOLS FIRE ALARM REQUIREMENTS

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 907.2.3; CALIFORNIA ELECTRICAL CODE, ARTICLE 160 AND CALIFORNIA FIRE CODE, CHAPTER 9, SECTION 907.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, NFPA 72. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING FIRE AGENCY.

FIRE ALARM SYSTEM CERTIFICATION AND DESCRIPTION SHALL BE PROVIDED FOR TESTING AND A PLASTIC LAMINATED COPY SHALL REMAIN (WITH INSTRUCTIONS) AT THE FIRE ALARM CONTROL PANEL PER NFPA 72.

THE FIRE ALARM "CERTIFICATE OF COMPLETION" FORM IN NFPA 72 SHALL BE COMPLETED, SIGNED AND SUBMITTED.

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.

AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 32000 AND 32004, AND BE A TEMPORAL PATTERN, CODE 3.

GENERAL NOTES:

- SMOKE DETECTORS SHALL BE INSTALLED 3' AWAY FROM SUPPLY AND RETURN AIR REGISTERS.
- 2. FINAL FIRE ALARM TEST OF ALL DEVICES SHALL BE WITNESSED BY THE PROJECT INSPECTOR. TEST SHALL INCLUDE ALL INFORMATION PER NFPA 12 FIGURE 1.8.2(q) AND READ OUT VERIFICATION FORM FROM CENTER STATION.
- 3. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATER-TIGHT FITTINGS.
- 4. AUDIBLE DEVICE(S) SHALL BE AT LEAST 15 dBA ABOVE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 dBA AT 10' OR MORE THAN 110 dBA IN TOTAL. <u>THROUGHOUT!</u> (NFPA 72 18.4.1, C.F.C. 907.5.21.1 AND C.F.C. 907.5.2.1.2).
- AUDIBLE DEVICES SHALL SOUND THE CALIFORNIA CODE IN TEMPORAL PATTERN. CODE 3. EXCEPT WHEN ISSUING A VOICE MESSAGE.
- 6. VISUAL DEVICES SHALL NOT EXCEED TWO FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN ONE FLASH PER SECOND (NFPA 72 18.5.3.1). PROVIDE AN ENGRAVED NAMEPLATE INDICATING THE D.S.A. APPLICATION NUMBER.
- FILE NUMBER AND DATE OF APPROVAL AT NEW FIRE ALARM CONTROL PANEL AND AT NEW FIRE ALARM POWER EXPANDER PANEL.

A. THE PRIMARY POWER SUPPLY TO THE NEW FIRE ALARM CONTROL PANEL

BE IN ACCORDANCE WITH NFPA 72 10.6.5.1, 10.6.5.2 AND AS FOLLOWS: a) THE CIRCUIT BREAKER FEEDING THE RESPECTIVE PANEL SHALL BE

"F.A.C.P." AND THE NEW FIRE ALARM POWER EXPANDER PANEL "P.E.P." SHALL

- LOCATED IN A LOCKED ROOM OR BEHIND A LOCKABLE DOOR AND BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL ONLY. PAINT HANDLE RED IN COLOR.
- b) THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY. PAINT ACCESSORY RED IN COLOR.
- c) THE CIRCUIT BREAKER SHALL HAVE AN ENGRAVED NAMEPLATE THAT IDENTIFIES IT AS A "FIRE ALARM CIRCUIT". THIS ENGRAVED NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. MOUNT ONTO THE INTERIOR TRIM AND LOCATE ADJACENT TO CIRCUIT BREAKER WHERE POSSIBLE.
- d) THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL PANEL "F.A.C.P." AND AT THE FIRE ALARM POWER EXPANDER PANEL "P.E.P.". PROVIDE AN ENGRAVED NAMEPLATE (WHITE LETTERS ON A RED BACKGROUND) WHICH INDICATES THIS.

THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY CONFORMANCE WITH THE ABOVEMENTIONED REQUIREMENTS AND PROVIDE ANY ACCESSORIES/ NAMEPLATES AS REQUIRED.

- B. ALL ENGRAVED NAMEPLATES SHALL BE ATTACHED TO THE FRONT OF THE
- PROVIDE A COPY OF THE BATTERY CALCULATION AT THE NEW FIRE ALARM CONTROL PANEL AND A COPY OF THE BATTERY CALCULATION AT NEW FIRE ALARM POWER EXPANDER PANEL. BATTERY CALCULATION SHALL CONTAIN INFORMATION AS NOTED ON SCHEDULES AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF DOOR.

RESPECTIVE ENCLOSURE WITH SCREWS OR RIVETS.

- MORE THAN TWO VISIBLE NOTIFICATION APPLIANCES OR GROUPS OF SYNCHRONIZED APPLIANCES IN THE SAME ROOM OR ADJACENT SPACE WITHIN THE FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION. NFPA 72 18.5.5.4.2(3).
- IO. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (C.F.C. 907.8).

MARK	DATE	REVISIONS
<u></u>		
2		
<u> </u>		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM

TO THE C.B.C.

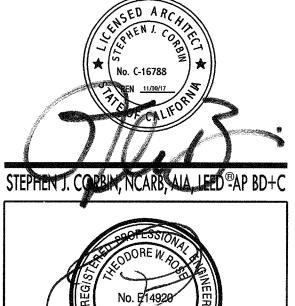
J MODULA STREET AR FEMEN (4) (4) (4) (4) (4) (4) (4) OR.

IDENTIFICATION STAMP OFFICE OF REGULATION SERVICES APPL: 03-116978 FILE: 15-6 AC __ FLS ____ SS PCC DATE: NAK 0 3 2016

PTN: 63321-206



1601 NEW STINE ROAD, SUITE 280 BAKERSFIELD, CA 93309 PH: (661) 397-4377 FAX: (661) 397-4378 WWW.SCARCHITECT.COM





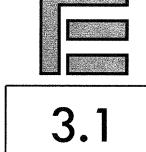
FIRE ALARM SYSTEM EQUIP., NOTES AND BATTERY CALCS

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6. AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

JOB NO. DRAWN: CS **CHECKED:** DATE: 04-26-16



OF . SHEETS