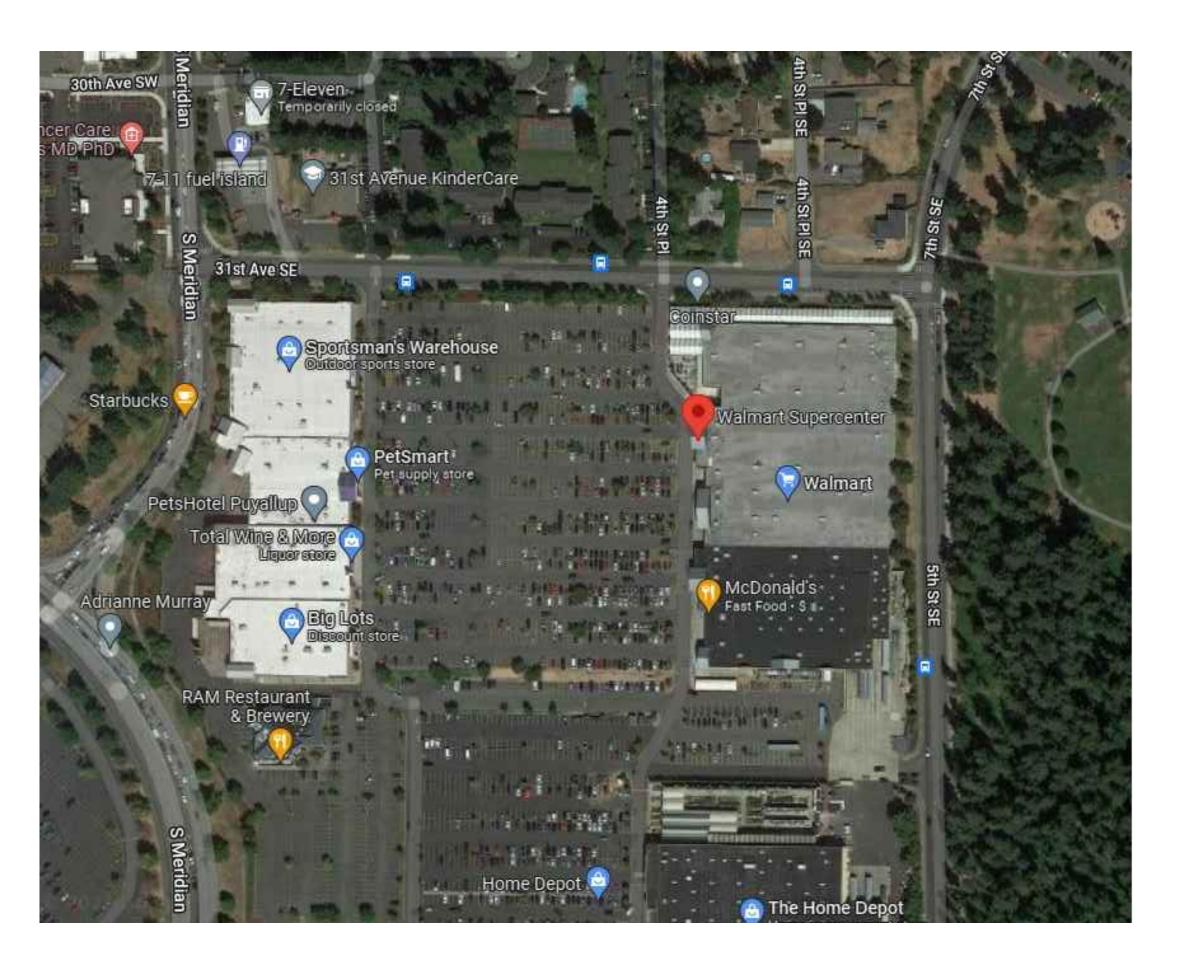
Walmart 3

FACILITY # 2403 FIRE ALARM PLANS SPL PICKUP EXP



SITE MAP

FACILITY ADDRESS

310 31ST AVENUE SE PUYALLUP, WA 98374

APPLICABLE CODES

NFPA STANDARDS NFPA 72

EDITION: 2016

OTHER STANDARDS INTERNATIONAL BUILDING CODE

2018

WITH LOCAL AMENDMENTS INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS

2018

LOCAL CONTACTS

BUILDING DEPARTMENT:

CITY OF PUYALLUP 333 S. MERIDIAN PUYALLUP, WA 98371 253-841-4321

SHEET INDEX

EFPO ELECTRONIC FIRE PROTECTION COVER SHEET

EFP1 ELECTRONIC FIRE PROTECTION PLAN

EFP2 ELECTRONIC FIRE PROTECTION RISER, DETAILS, & CALCS.

ENGINEER CONSULTANT

PROJECT ENGINEER PROJECT DESIGNER

PHONE NUMBER

PROJECT DESIGNER EMAIL ADDRESS

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WALMART SECURITY ENGINEER

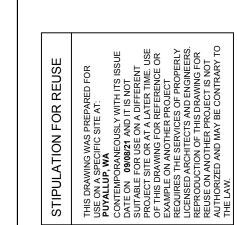
ASSIGNED WALMART SECURITY ENGINEER SECURITY ENGINEER PHONE NUMBER SECURITY ENGINEER EMAIL ADDRESS

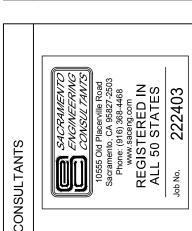
LISA LESLIE 479-360-3959 LISA.LESLIE@WALMART.COM

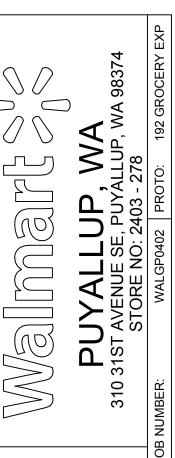
SECURITY TECHNOLOGY COORDINATOR

ASSIGNED WALMART ALARM COORDINATOR ALARM COORDINATOR PHONE NUMBER ALARM COORDINATOR EMAIL ADDRESS

DANIEL VANHECKE 479-277-2270 DANIEL.VANHECKE@WALMART.COM



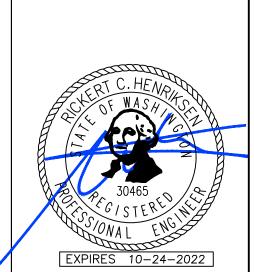




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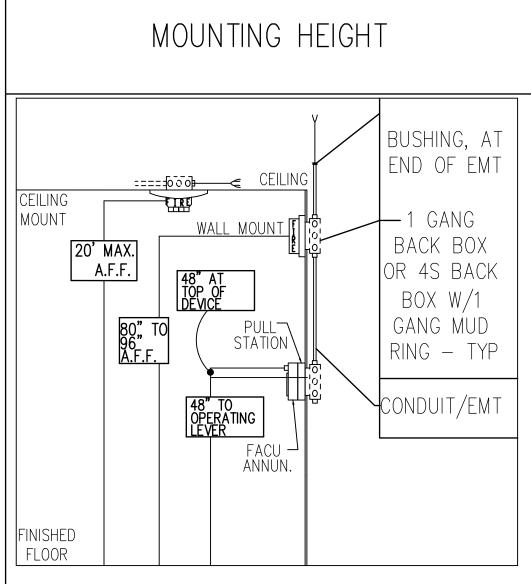
PROTO CYCLE: DOCUMENT DATE:

31ST AVENUE SE PUYALLUP, WA 98374 CONTRACTOR: TELAID
1722 SE MOBERLY LANE
BENTONVILLE, AR 72712
TIM HOLT
THOLT@TELAID.COM
479-276-8380



ELECTRONIC FIRE PROTECTION COVER SHEET

EFP O



FIRE ALARM SCOPE OF WORK

- 1) INSTALL (5) NEW SMOKE DETECTORS AND (1) NEW RELAY MODULE IN PICKUP AREA AND CONNECT TO EXISTING POWER SUPPLY AS INDICATED.
- 2) INSTALL (1) NEW HORN STROBE AND (2) NEW STROBES IN THE NEW PICKUP STORAGE AREA AS INDICATED.
- 3) INSTALL (1) NEW WALL MOUNT WEATHERPROOF HORN STROBE IN THE NEW PICKUP COOLER AREA AS INDICATED. 4) INSTALL AND MONITOR (1) NEW PULL STATION AT EXIT AS INDICATED.
- 5) INSTALL AND MONITOR (1) NEW DUCT SMOKE DETECTOR AND REMOTE TEST SWITCH AS SHOWN.
- 6) INSTALL NEW (1) NEW NAC POWER SUPPLY AND PROVIDE POWER SUPERVISION.
- 7) CONNECT NEW NOTIFICATION DEVICES TO NEW CIRCUIT ON NEW POWER
- 8) MAINTAIN CIRCUIT CONTINUITY WHEN INSTALLING NOTIFICATION AND INITIATION DEVICES.
- 9) FIRE ALARM CONTRACTOR TO MAKE FINAL CX CONNECTIONS TO THE FIRE
- 10) MAINTAIN ALARM SYSTEM DURING REMODEL.

CEILING HEIGHT NOTE

CEILING HEIGHT IS 20'-0" IN SALES AND RECEIVING AREAS, AND 10'-0" IN OFFICE AND T.I. AREAS

SCOPE OF WORK

PICKUP

FREEZER

COOLER

OCCUPANCY - M

EXISTING FIRE ALARM INITIATION

THE BUILDING IS PROTECTED BY AN EXISTING AUTOMATIC FIRE SPRINKLER THE EXISTING FIRE ALARM CONSISTS OF THE FOLLOWING:

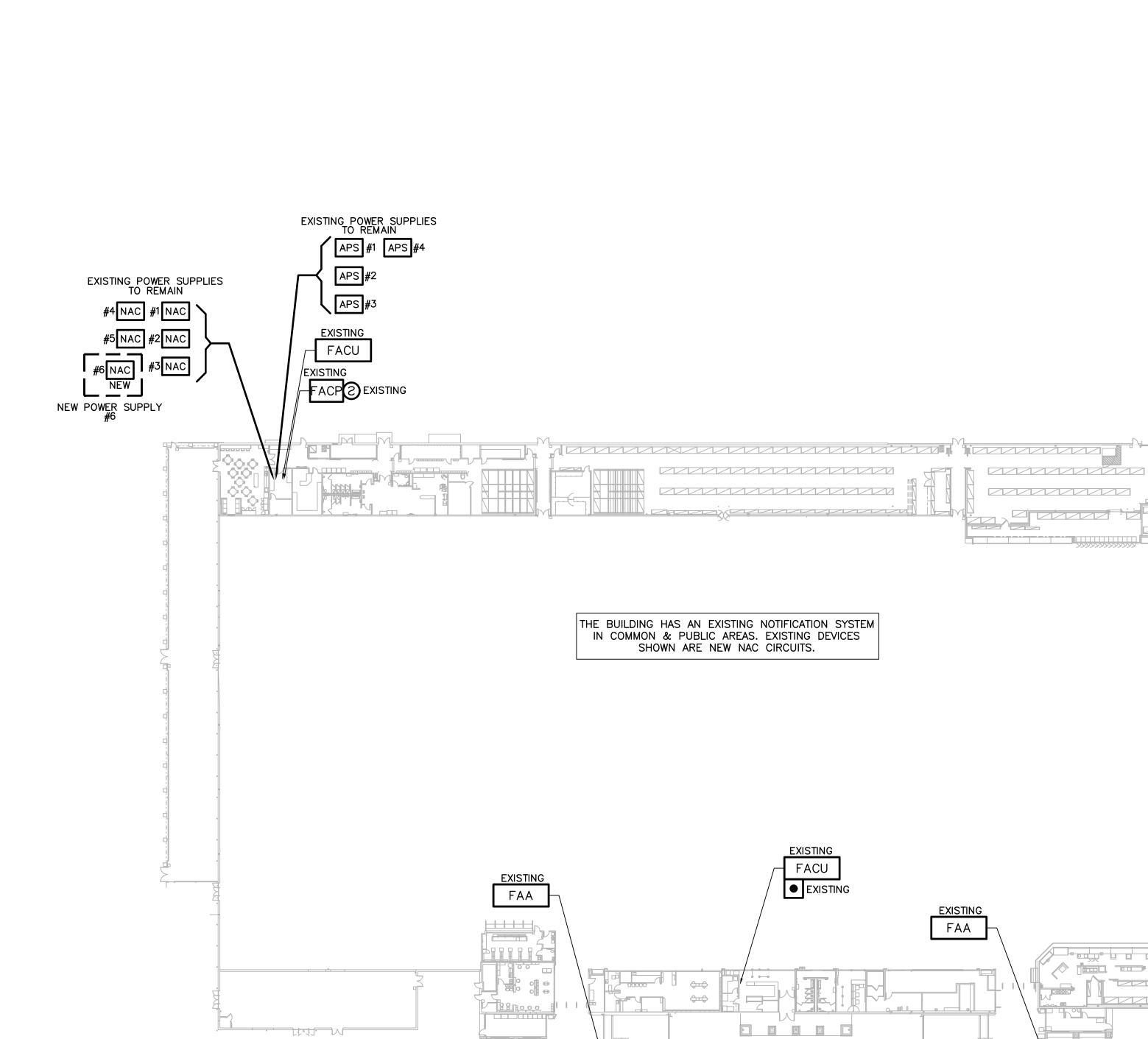
SUPERVISE ALL VALVES CONTROLLING THE SPRINKLER SYSTEM.

- MONITOR EXISTING SMOKE DETECTORS TO PROTECT THE CPU ("FACP") & POWER SUPPLIES AS SHOWN MONITOR EXISTING AUTOMATIC EXTINGUISHING SYSTEMS (ANSUL, ETC.)
 TO INITIATE AN "ALARM" CONDITION.
- MONITOR EXISTING DUCT SMOKE DETECTORS FOR ALL AC UNITS
- GREATER THAN 2000 CFM.
- MONITOR EXISTING PULL STATIONS AT ALL EXITS

THE ALARM INSTALLER IS RESPONSIBLE FOR ANY ASSOCIATED CONDUIT TO COMPLETE THE INSTALLATION. THIS WILL INCLUDE BUT NOT LIMITED TO WALL PENETRATION SLEEVES, BACK BOXES FOR AUDIO VISUALS, KEYPAD BOXES AND STUBS, WATER FLOW AND TAMPER DETECTOR BOXES AND STUBS.

PS-X - POWER SUPPLY ASSIGNED TO ASSOCIATED CIRCUITS.
LP-X - LOOP ASSIGNED TO ASSOCIATED POWER SUPPLY.
D-X - DEVICE NUMBER ASSIGNED TO ASSOCIATED LOOP.

ALL NAC CIRCUITS SHALL BE
12 AWG. ALL OTHER FIRE
ALARM WIRE SHALL BE 18 AWG.



ELECTRONIC FIRE PROTECTION PLAN

SCALE: 1" = 40'-0"

FACP EXISTING FIRE ALARM CONTROL PANEL BOSCH D9412GV4 FACU EXISTING FIRE ALARM CONTROL ANNUNCIATOR BOSCH D1256RB FAA EXISTING FIRE ALARM ANNUNCIATOR BOSCH D1257RB 1 NEW NOTIFICATION POWER SUPPLY ALTRONIX AL1002ULADA EXISTING AUXILIARY POWER SUPPLY ALTRONIX AL400ULPS BOSCH F220-P HEAD WITH BOSCH F220-B6PS POPIT BASE 5 NEW SMOKE DETECTOR ADDRESSABLE EXISTING COOKING HOOD SUPPRESSION SYSTEM (POINT OF CONNECTION ONLY) SYSTEM SENSOR D4120. PROVIDED BY MECH DIV.
INSTALLED BY ELECTRICAL DIV. 1 NEW DUCT SMOKE DETECTOR (POINT OF CONNECTION ONLY) 1 NEW REMOTE TEST SWITCH SYSTEM SENSOR RTS151KEY. PT 5 NEW POPIT MODULE BOSCH D9127U EXISTING SMOKE DETECTOR BOSCH D273THE 1 NEW MANUAL PULL STATION BOSCH FMM-100SATK EXISTING WATER FLOW INDICATOR SWITCH POTTER VSR-F(PROVIDED BY FIRE SPRINKLER DIV) POTTER PCVS-1(PROVIDED BY EXISTING SUPERVISORY TAMPER SWITCH FIRE SPRINKLER DIV) EXISTING CEILING MOUNT STROBE MULTI SYSTEM SENSOR SCR EXISTING CEILING MOUNT HORN STROBE MULTI CANDELA SYSTEM SENSOR PC2R WEATHERPROOF WALL MOUNT SYSTEM SENSOR P2RK HS L 1 NEW CEILING MOUNT HORN STROBE MULTI CANDELA, L-SERIES SYSTEM SENSOR SCRL VL 2 NEW CEILING MOUNT STROBE MULTI CANDELA, L-SERIES SYSTEM SENSOR PC2RL 1 NEW POWER SUPERVISON RELAY END OF LINE RESISTOR PER MANUFACTURER NORMALLY OPEN WEATHERPROOF

AREA OF WORK

EFP1

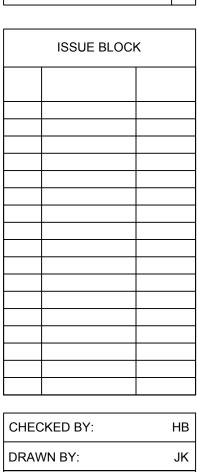
EFP1

FIRE ALARM SYMBOLS LEGEND

MAKE/MODEL



PUYALLUP, V 31ST AVENUE SE, PUYALL STORE NO: 2403 - 27



CHECKED BY: DRAWN BY: PROTO CYCLE: DOCUMENT DATE: 04252 STORE ADDRESS: 310

CONTRACTOR:

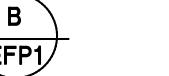
31ST AVENUE SE PUYALLUP, WA 98374

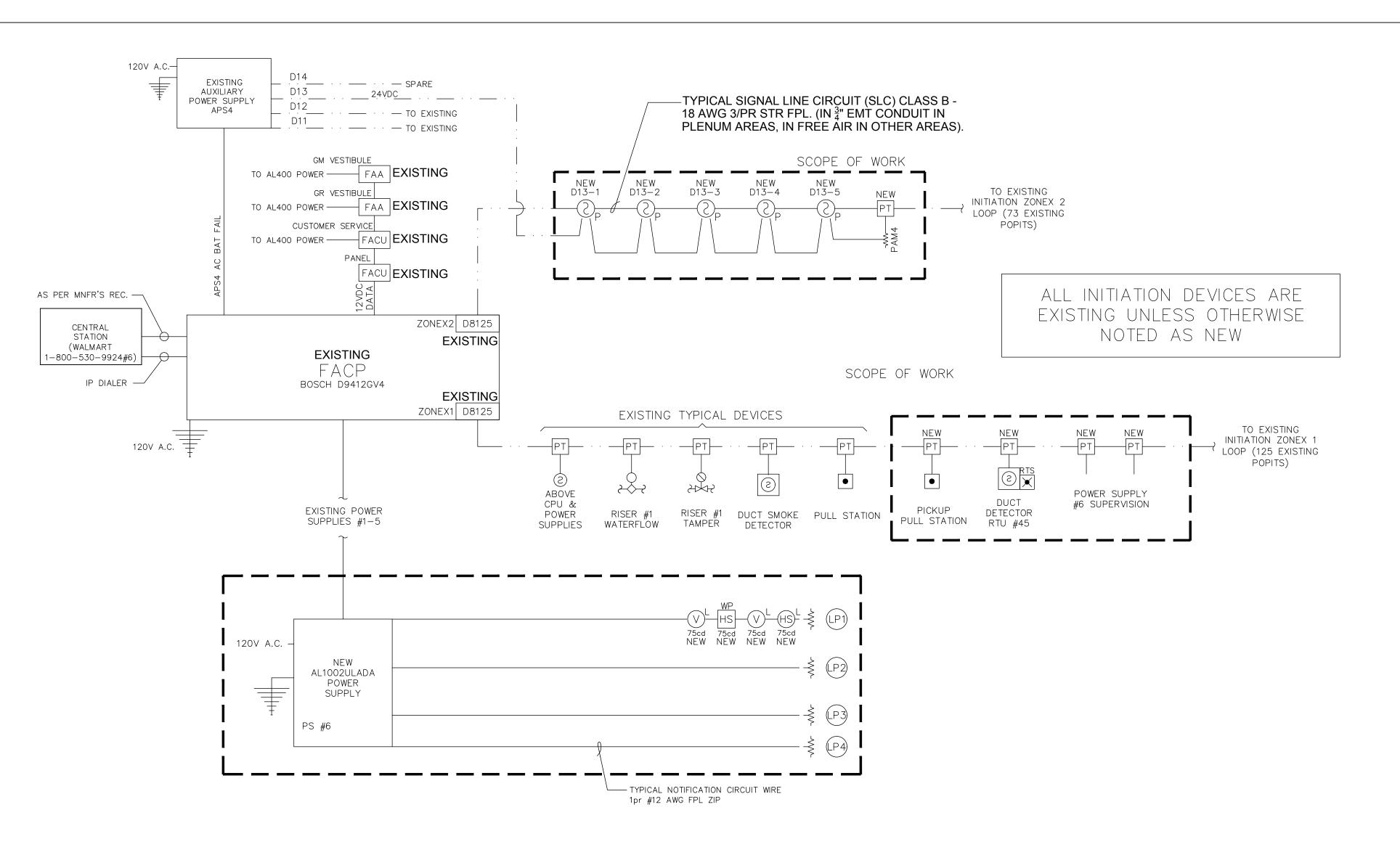
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ELECTRONIC FIRE PROTECTION PLAN

ENLARGED ELECTRONIC FIRE PROTECTION PLAN SCALE: 1/8" = 1'-0"

RTU#45

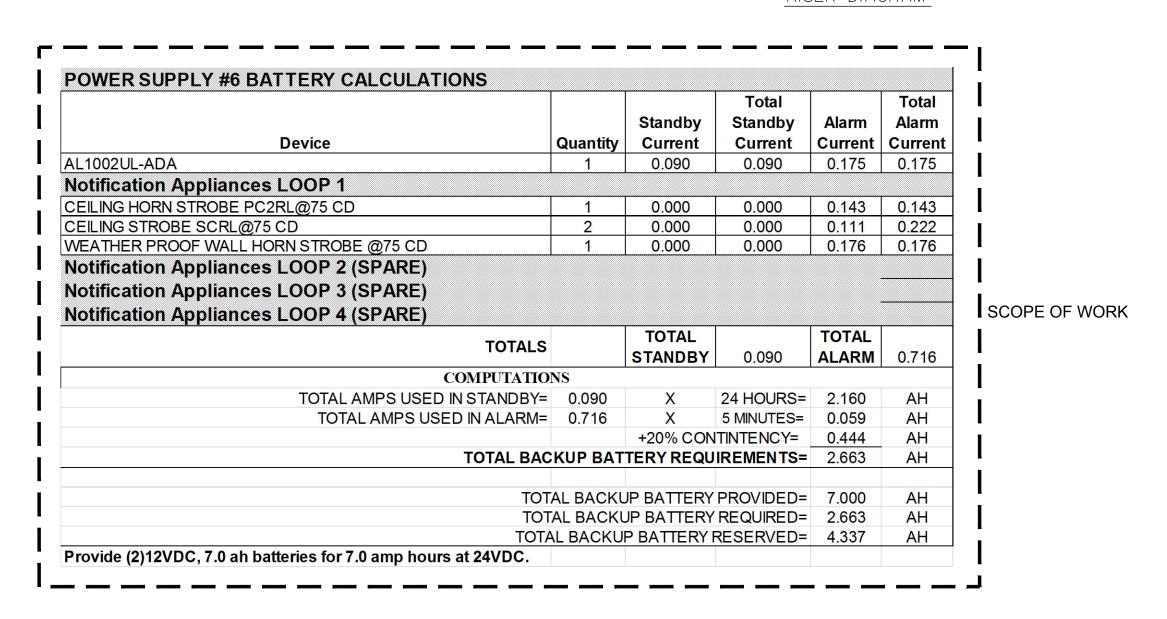


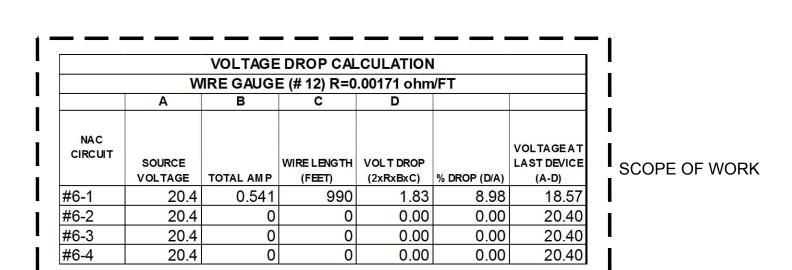


		FIRE ALARM SYMBOLS					
SYMBOL	QTY	DESCRIPTION	MAKE/MODEL				
FACP	EXISTING	FIRE ALARM CONTROL PANEL	BOSCH D9412GV4				
FACU	EXISTING	FIRE ALARM CONTROL ANNUNCIATOR	BOSCH D1256RB				
FAA	EXISTING	FIRE ALARM ANNUNCIATOR	BOSCH D1257RB				
NAC	1 NEW	NOTIFICATION POWER SUPPLY	ALTRONIX AL1002ULADA				
APS	EXISTING	AUXILIARY POWER SUPPLY	ALTRONIX AL400ULPS				
(2) _P	5 NEW	SMOKE DETECTOR ADDRESSABLE	BOSCH F220-P HEAD WITH BOSCH F220-B6PS POPIT BASE				
	EXISTING	COOKING HOOD SUPPRESSION SYSTEM	(POINT OF CONNECTION ONLY)				
(S)	1 NEW	DUCT SMOKE DETECTOR	SYSTEM SENSOR D4120. PROVIDED BY MECH DIV. INSTALLED BY ELECTRICAL DIV. (POINT OF CONNECTION ONLY)				
RTS X	1 NEW	REMOTE TEST SWITCH	SYSTEM SENSOR RTS151KEY.				
PT	5 NEW	POPIT MODULE	BOSCH D9127U				
(3)	EXISTING	SMOKE DETECTOR	BOSCH D273THE				
•	1 NEW	MANUAL PULL STATION	BOSCH FMM-100SATK				
2	EXISTING	WATER FLOW INDICATOR SWITCH	POTTER VSR-F(PROVIDED BY FIRE SPRINKLER DIV)				
20	EXISTING	SUPERVISORY TAMPER SWITCH	POTTER PCVS—1(PROVIDED BY FIRE SPRINKLER DIV)				
V	EXISTING	CEILING MOUNT STROBE MULTI CANDELA	SYSTEM SENSOR SCR				
HS	EXISTING	CEILING MOUNT HORN STROBE MULTI CANDELA	SYSTEM SENSOR PC2R				
HSWP	1 NEW	WEATHERPROOF WALL MOUNT HORN/STROBE	SYSTEM SENSOR P2RK				
HS)L	1 NEW	CEILING MOUNT HORN STROBE MULTI CANDELA, L—SERIES	SYSTEM SENSOR SCRL				
VL	2 NEW	CEILING MOUNT STROBE MULTI CANDELA, L—SERIES	SYSTEM SENSOR PC2RL				
	1 NEW	POWER SUPERVISON RELAY	PAM-4				
——————————————————————————————————————		END OF LINE RESISTOR	PER MANUFACTURER				
N.O.		NORMALLY OPEN					
WP		WEATHERPROOF					
		WIRE LEGI	END				
А			_ FIRE ALARM SYSTEM 3pr #18 AWG FPL TWISTED				
В			NOTIFICATION CIRCUIT 1pr #12 AWG FPL ZIP				
	1						

PLENUM RATED CABLE FPLP SHALL BE UTILIZED IN PLENUM RATED CEILING AREAS ONLY

RISER DIAGRAM





		Device			Quantity	Standby Current	Total Standby Current	Alarm Current	Total Alarm Current	
ULKT3					1	0.090	0.090	0.175	0.175	
CIRCUIT 1										
8240 SMOKE DET	8240 SMOKE DETECTOR							0.060	0.480	
PAM-4 - POWER S	SUPERVISIO	N MODULE			1	0.015	0.015	0.015	0.015	
CIRCUIT 2										
BEAM1224 BEAM	DETECTOR	W/BEAMLR	K		<u>5</u>	<u>0</u> .0 <u>17</u>	0.085	0.039	<u>0.19</u> 3	
CIRCUIT 3										_
ADDRESSABLE D	ETECTOR B	ASE WITH H	EAD		5	0.0025	0.013	0.035	0.175	SCOPE OF WO
ADDRESSABLE D	ETECTOR B	ASE WITH H	EAD & PAN	I4 RELAY	1	0.0185	0.019	0.051	0.051	_]
CIRCUIT 4 (SP	ARE)									
				тота	LS	TOTAL STANDBY	0.269	TOTAL ALARM	1.089	
				COMPUTATION	NS .	•	-			
				ED IN STANDB		X	24 HOURS=	6.456	AH	
		TC	TAL AMPS	USED IN ALARI	M= 1.089	X	15 MINUTES=		AH	
							TINGENCY=		AH	
				IO IAL BA	CKUP BATT	ERY REQUI	REMENIS=	8.074	AH	
				TOT	AL BACKUP	BATTERY P	ROVIDED=	18.000	AH	
					AL BACKUP				AH	
				TOTA	L BACKUP E	BATTERY RE	ESERVED=		AH	
NG (1) 18AH 12VDC B	ATTERY									
NG (1) 18AH 12VDC B	ATTERY									
				DROP CALCUL						
	WIRE GAUGE (# 18)									
			WIRI	E GAUGE (# 18)						
	DETECTOR	SOURCE	WIRI	E GAUGE (# 18)	VOLT	1	TAGE LAST			

EXISTIN							
						Total	
			Standby	Total Standby	Alarm	Alarm	
Description	Device	Quantity	Current	Current	Current	Current	
Control Panel	D9412GV4	1	0.2250	0.2250	0.3000	0.3000	
Battery Lead Supervision Module	D113	1	0.0450	0.0450	0.0450	0.0450	
Dual Class A/B NAC Module	D192G	1	0.0350	0.0350	0.1000	0.1000	
Dual Phone Line DACT Module	D928	1	0.0200	0.0200	0.1000	0.1000	
Annunciator / Keypad (CP-SA)	D1256RB	1	0.1060	0.1060	0.2250	0.2250	
POPEX Module	D8125	2	0.0600	0.1200	0.0600	0.1200	<u>l_</u> .
NEW INITIATION POPITS	D9127	5	0.0005	0.0025	0.0008	0.0040	SCOPE OF WORK
NEW POPITS DETECTOR BASE	D9127	5	0.0005	0.0025	0.0008	0.0040	1 SCOPE OF WORK
EXISTING POPITS	D9127	420	0.0005	0.2100	0.0008	0.3360	† -
Auxilary Relay Module	D130	1			0.0600	0.0600	
OctoRELAY Module	D8129	1	0.0200	0.0200	0.0363	0.0363	
12v-4w Smoke Detector	D273THE	1	0.0150	0.0150	0.0360	0.0360	
			TOTAL		TOTAL		
TOTALS			STANDBY	0.801	ALARM	1.366	
	CC	MPUTATIO	NS				
TOTAL AMI	PS USED IN S	TANDBY =	0.801	X 24 HOURS =	19.224	AH	
TOTAL AN	MPS USED IN	ALARM =	X 5 MIN =	0.113	AH		
		3.867	AH				
	TOTAL ST	TANDBY BA	ATTERYRE	QUIREMENTS=	23.205	AH	
	T	36.000	AH				
	TO	23.205	AH				
	TO	12.795	AH				

		SEQUENCE OF OPERATIONS											
	ACTIVATION OF PUSH BUTTON	ACTIVATION OF COOKING HOOD SUPRESSION SYSTEM	ACTIVATION OF DUCT SMOKE DETECTOR	ACTIVATION OF WATER FLOW SWITCH	ACTIVATION OF SPRINKLER TAMPER SWITCH/ SUPERVISORY DEVICE	ACTIVATION OF AREA SMOKE/HEAT DETECTORS	ACTIVATION OF MANUAL PULL STATION	FIRE ALARM AC POWER FAILURE	FIRE ALARM LOW BATTERY	OPEN CIRCUIT	GROUND FAULT	NOTES: CENTRAL STATION TO RECEIVE SEPARATE & DISTINCT SIGNALS.	
		X		Χ		X	X					ACTIVATES FIRE HORN/STROBE LIGHTS(TEMPORAL 3)	
		X		X		X	X					TRANSMIT ALARM SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE	
			X		X							TRANSMIT SUPERVISORY SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE	
								X	X	Х	Х	TRANSMIT TROUBLE SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE	
-			Х									ACTIVATES AHU/RTU UNIT TO SHUTDOWN	
				X								ACTIVATES WP NOTIFICATION ABOVE FDC	
7													

POINT TO BE		POINT TYPE
ANNUNCIATED AS :	FIRE ALARM	SUPERVISORY ALARM
RISERS WATERFLOW	X	
RISER TAMPERS		X
MANUAL PULL STATION	X	
SMOKE / HEAT DETECTORS	X	
DUCT SMOKE DETECTORS		X
COOKING HOOD SUPPRESSION SYSTEM	X	
ALL FIRE ALARM SYSTEM CIRCUIT WIRING MUST ANNUI AND GROUND FAULT CONDITIONS. ADDITIONALLY ALL REQUIRED TO ANNUNCIATE A TROUBLE SIGNAL DURING FIRE ALARM SYSTEM WILL BE TESTED BY THE OWNER	OUTPUT CIRCUITS (A WIRE TO WIRE	HORNS/STROBES) ARE SHORT CONDITION. THE

COMPLIANCE NOTES "PROPRIETARY SYSTEM"

- I. THIS SYSTEM DESIGN IS BASED UPON COMPLIANCE WITH THE NATIONAL, STATE AND LOCAL CODES. THE OCCUPANCY CLASS IS MERCANTILE. THE FACILITY WILL BE PROTECTED THROUGHOUT BY A FULLY SUPERVISED FIRE SPRINKLER SYSTEM PER NFPA 13 AND NFPA 72.
- 2. ELECTRONIC SPRINKLER SUPERVISORY SERVICE IS PROVIDED AND IS PROPRIETARY SYSTEM UNDER NFPA 72.
- 3. FLOW SWITCHES WILL BE PROVIDED ON ALL SPRINKLER RISERS WITH ALARM ZONING COINCIDING WITH SPRINKLER ZONING.
- 4. TAMPER SWITCHES WITH BE PROVIDED ON ALL VALVES, AND WHERE APPLICABLE, ALL OTHER ELEMENTS ESSENTIAL TO THE PROPER OPERATION OF THE SPRINKLER WILL ALSO BE SUPERVISED.
- 5. REMOTE ANNUNCIATOR(S) WILL PROVIDE POINT IDENTIFICATION ALL DEVICES/ZONES IN ALPHANUMERIC DISPLAY, AND AT LEAST ONE WILL BE LOCATED AT A CONSTANTLY ATTENDED LOCATION ON SITE. THE FACP CABINET HAS NO ANNUNCIATOR OR USER INTERFACE CONTROLS, AND IS A CABINET HOUSING (NON-ANALOG ADDRESSABLE) CIRCUITRY ONLY.
- 6. AT LEAST ONE MANUAL STATION WILL BE INSTALLED AND LOCATED WHERE REQUIRED BY THE AHJ, PER NFPA 72. UNLESS OTHERWISE SPECIFIED BY THE AHJ, IT WILL BE LOCATED AT THE CONTINUOUSLY ATTENDED LOCATION ON SITE, PER THE DRAWINGS.
- 7. ONE SMOKE DETECTOR WILL BE INSTALLED ABOVE THE FACP IN ACCORDANCE WITH NFPA 72 AND ANY REMOTE LOCATIONS WHERE FIRE CONTROL EQUIPMENT IS INSTALLED.
- 8. AIR HANDLING UNITS IN EXCESS OF 2000 CFM WHICH INCLUDE DUCT SMOKE DETECTORS SHALL SHUT DOWN THEIR RESPECTIVE FANS AND CAUSE A "SUPERVISORY" SIGNAL ON THE FACP PER NFPA 90A. SEE SCOPE OF MECHANICAL CONTRACTOR SHOP DRAWINGS FOR DETAILS.
- 9. COOKING HOOD SUPPRESSION SYSTEM(S) (IF ANY) SHALL BE CONNECTED TO THE SYSTEM TO CAUSE AN "ALARM" SIGNAL UPON AGENT DISCHARGE, PER NFPA 17 AND NFPA 72. SEE SUPPRESSION CONTRACTOR'S SHOP DRAWINGS FOR DETAILS.
- 10. ALL NON-REQUIRED DEVICES INDICATED IN THE SUBMITTAL (IF ANY), ARE VOLUNTARILY PROVIDED AND ARE DESIGNATED AS "SUPPLEMENTARY" IN NATURE, AS DEFINED IN NFPA 72.
- 11. AUDIBLE AND VISUAL NOTIFICATION APPLIANCES ARE PROVIDED AS INDICATED ON THE PLAN.
- 12. WALMART SECURITY TECHNOLOGY WILL INSTALL THE FIRE ALARM WHERE LEGALLY ENTITLED BY LICENSING, PERMITTING, CERTIFICATION OR EXEMPTION. LOCAL CONTRACTOR TO BE USED ELSEWHERE.
- 13. OFF PREMISES, AUTOMATIC ALARM NOTIFICATION WILL BE VIA TWO APPROVED MEANS OF COMMUNICATION TO WALMART'S UL LISTED (UUFX) CENTER. SEE UL FILE #S3152-1 FOR CERTIFICATE INFORMATION.
- 14. WIRING WILL BE INSTALLED PER (THE NEC) NFPA 70 AND ALL OTHER APPLICABLE SECTIONS. ALL EQUIPMENT SHALL BE PROPERLY LISTED PER NFPA 72.
- 15. THIS SYSTEM IS DESIGNATED AS A "PROPRIETARY SUPERVISING STATION SYSTEM" IN ACCORDANCE WITH NFPA 72 WITH 24 HOURS OF STAND-BY POWER THEN 5 MINUTES IN "ALARM" PER NFPA 72. STORE MANAGEMENT PERSONNEL ARE DESIGNATED FOR 1 HOUR RUNNER SERVICE.
- 16. THESE NOTES DO NOT SUPERCEDE REQUIREMENTS OF OTHER TRADES, SPECIFICALLY INCLUDING MECHANICAL.
- 17. APPLICABLE STATE AND LOCAL MODIFICATION ADOPTED THROUGH DUE PROCESS OF LAW AND WHICH CONFLICT WITH THESE NOTES SHALL SUPERCEDE AND COPIES SHOULD BE CONVEYED TO THE CONTACT PERSON INDICATED BELOW.
- DIRECT FIRE ALARM RELATED (ONLY) COMPLIANCE ISSUES TO:
- SACRAMENTO ENGINEERING CONSULTANTS 10555 OLD PLACERVILLE RD
- 10555 OLD PLACERVILLE RD SACRAMENTO, CA 95827
- SACRAMENTO, CA 95827 PHONE: 916-368-4468 FAX: 916-368-4490 EMAIL: rh@saceng.com

ISSUE BLOCK

CHECKED BY: HB

DRAWN BY: JK

PROTO CYCLE:

DOCUMENT DATE: 042522

STORE ADDRESS: 310 31ST AVENUE SE PUYALLUP, WA 98374

CONTRACTOR:

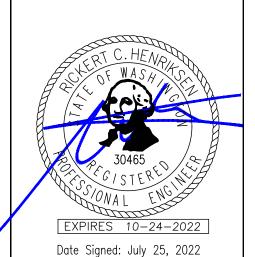
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ELECTRONIC
FIRE
PROTECTION
RISER,
DETAILS, &
CALCS

SHEET: