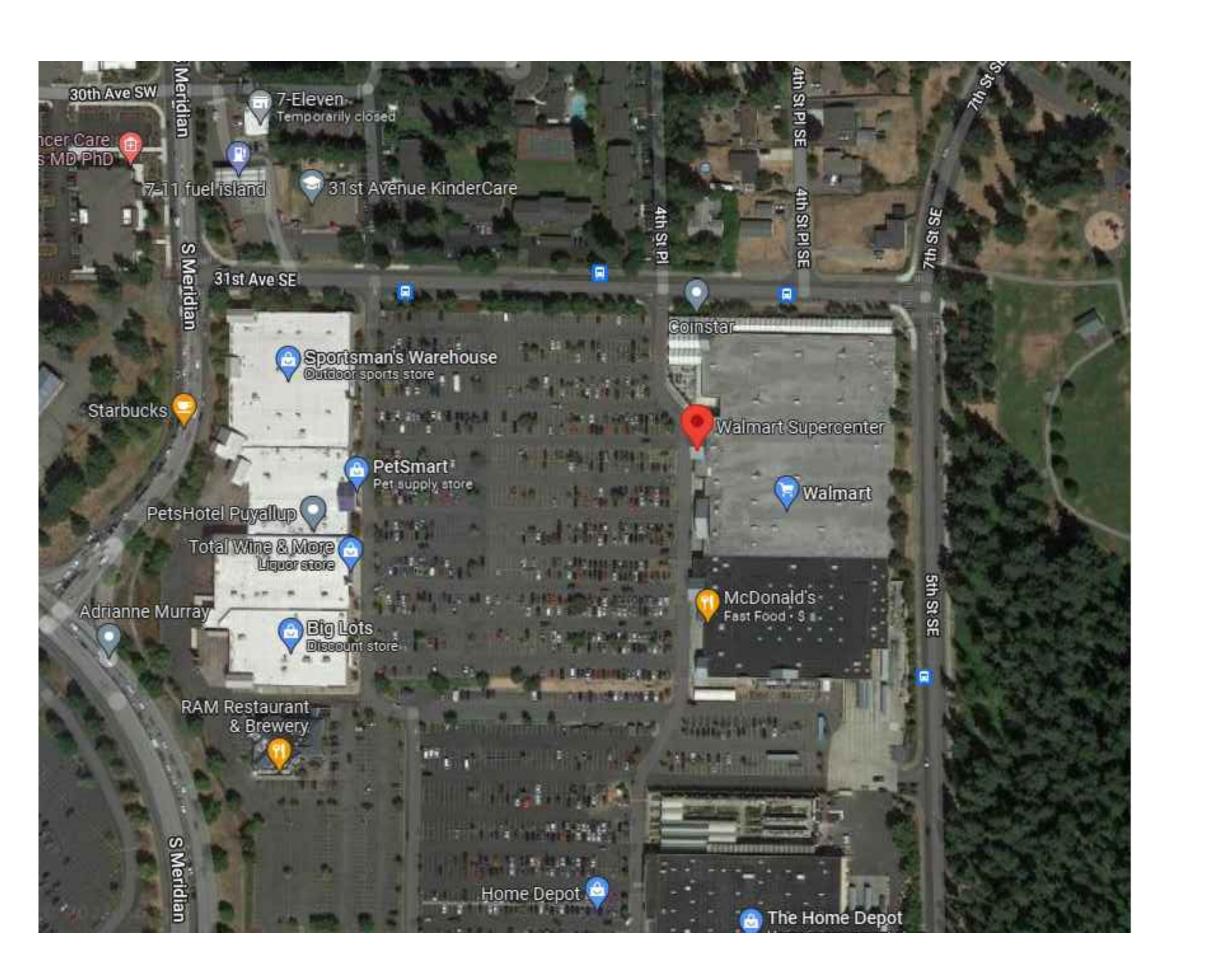




FACILITY # 2403 FIRE ALARM PLANS SPL PICKUP EXP



SITE MAP

FACILITY ADDRESS 310 31ST AVENUE SE PUYALLUP. WA 98374 APPLICABLE CODES NFPA STANDARDS EDITION: NFPA 72 2016 OTHER STANDARDS INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS 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 RICKERT HENRIKSEN PROJECT DESIGNER HIMANSHU BHARTIYA PHONE NUMBER 916–368–4468 PROJECT DESIGNER EMAIL ADDRESS HIMANSHU@SACENG.COM

SECURITY TECHNOLOGY SECURITY MANAGER

ASSIGNED WALMART SECURITY MANAGER
SECURITY MANAGER PHONE NUMBER
SECURITY MANAGER EMAIL ADDRESS

BEN CHILD

479-899-4321

DAVID.CHILD@WALMART.COM

WALMART SECURITY ENGINEER

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

LISA LESLIE

479-360-3959

LISA.LESLIE@WALMART.COM

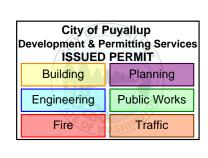
SECURITY TECHNOLOGY COORDINATOR

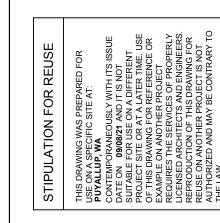
ASSIGNED WALMART ALARM COORDINATOR
ALARM COORDINATOR PHONE NUMBER
ALARM COORDINATOR EMAIL ADDRESS

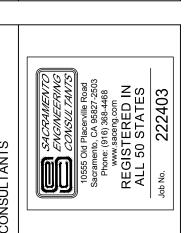
DANIEL VANHECKE

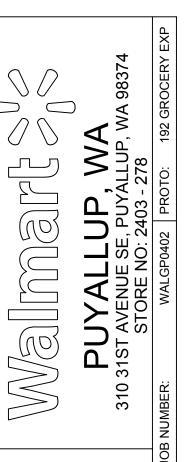
479-277-2270

DANIEL.VANHECKE@WALMART.COM









ISSUE BLOCK

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DRAWN BY: JK
PROTO CYCLE:
DOCUMENT DATE: 042522

31ST AVENUE SE
PUYALLUP, WA 98374

CONTRACTOR:
LOW VOLTAGE
SECURITIES
16716 2ND ST E, LAKE
TAPS, WA 98391
ATTN: MARK SHAW
253-315-1439

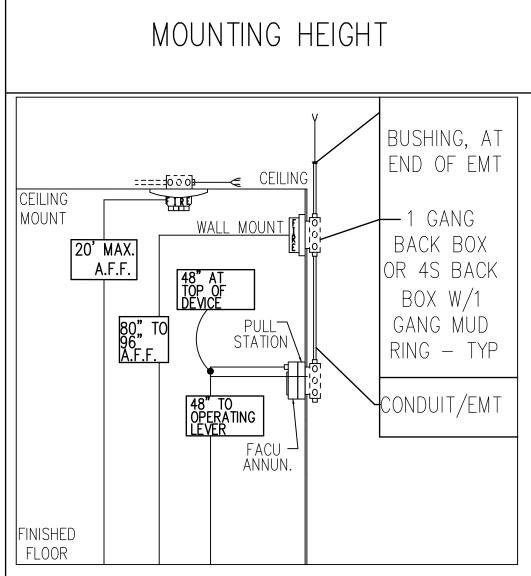
MARKLVS@YAHOO.COM

Oate Signed: Feb 6, 2025

HIMANSHU BHARTIYA, CET (NICET 131710, FIRE ALARM SYSTEMS, LEVEL III)

ELECTRONIC FIRE PROTECTION COVER SHEET

SHEET:



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

OCCUPANCY - M

COPF OF WORK | EXISTING FIRE ALARM INITIATION

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

1) SUPERVISE ALL VALVES CONTROLLING THE SPRINKLER SYSTEM.

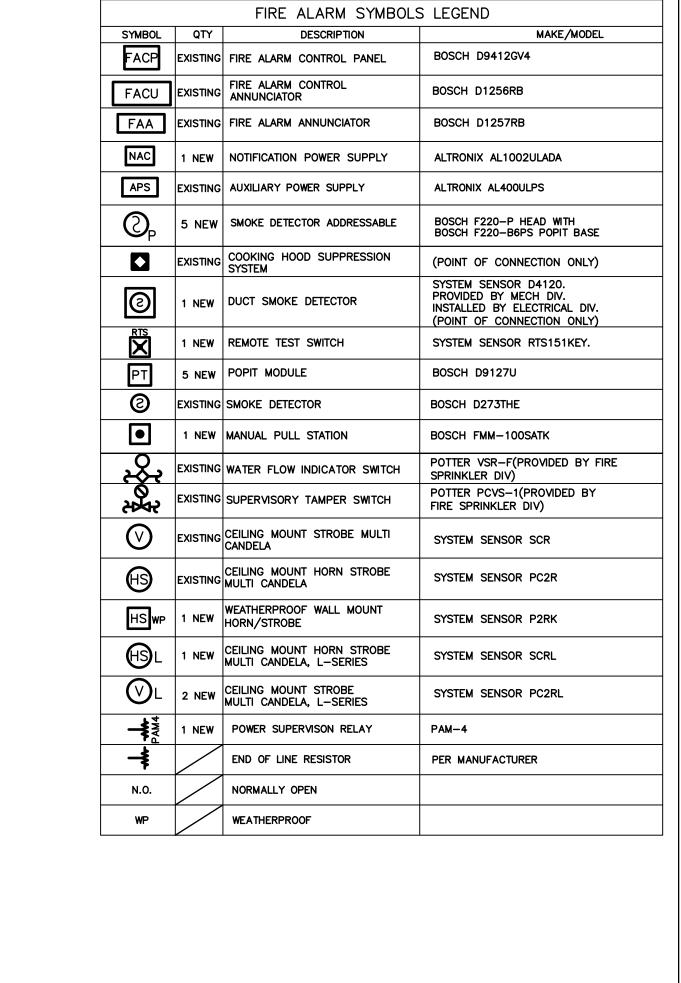
- 2) MONITOR EXISTING SMOKE DETECTORS TO PROTECT THE CPU ("FACP") & POWER SUPPLIES AS SHOWN
 3) MONITOR EXISTING AUTOMATIC EXTINGUISHING SYSTEMS (ANSUL, ETC.) TO INITIATE AN "ALARM" CONDITION.
- 4) MONITOR EXISTING DUCT SMOKE DETECTORS FOR ALL AC UNITS GREATER THAN 2000 CFM.
- GREATER THAN 2000 CFM.

5) 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.



City of Puyallup
elopment & Permitting Services
ISSUED PERMIT
Building
Planning

Engineering Public Works

Fire

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

ISSUE BLOCK

CHECKED BY:

DRAWN BY:

PROTO CYCLE:

CONTRACTOR:

LOW VOLTAGE SECURITIES

TAPS, WA 98391

253-315-1439

Date Signed: Feb 6, 2025

LEVEL III)

HIMANSHU BHARTIYA, CET (NICET 131710, FIRE ALARM SYSTEMS,

ELECTRONIC

FIRE

PROTECTION

PLAN

ATTN: MARK SHAW

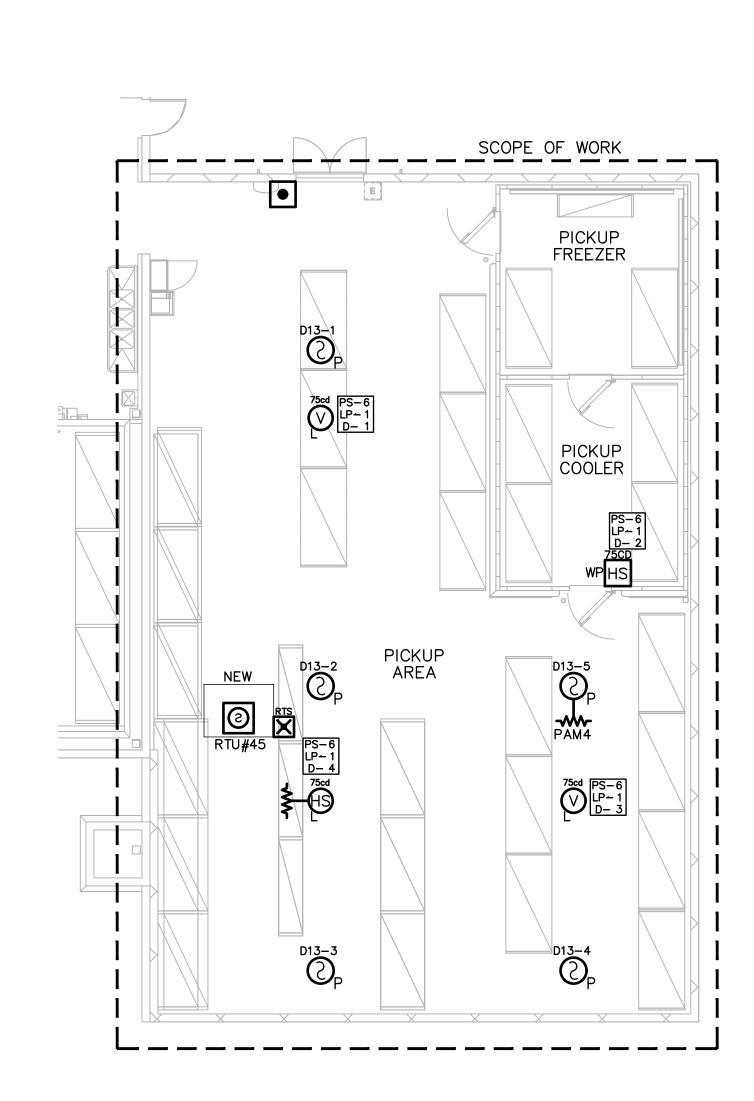
MARKLVS<u>@YAHOO.COM</u>

DOCUMENT DATE: 04252

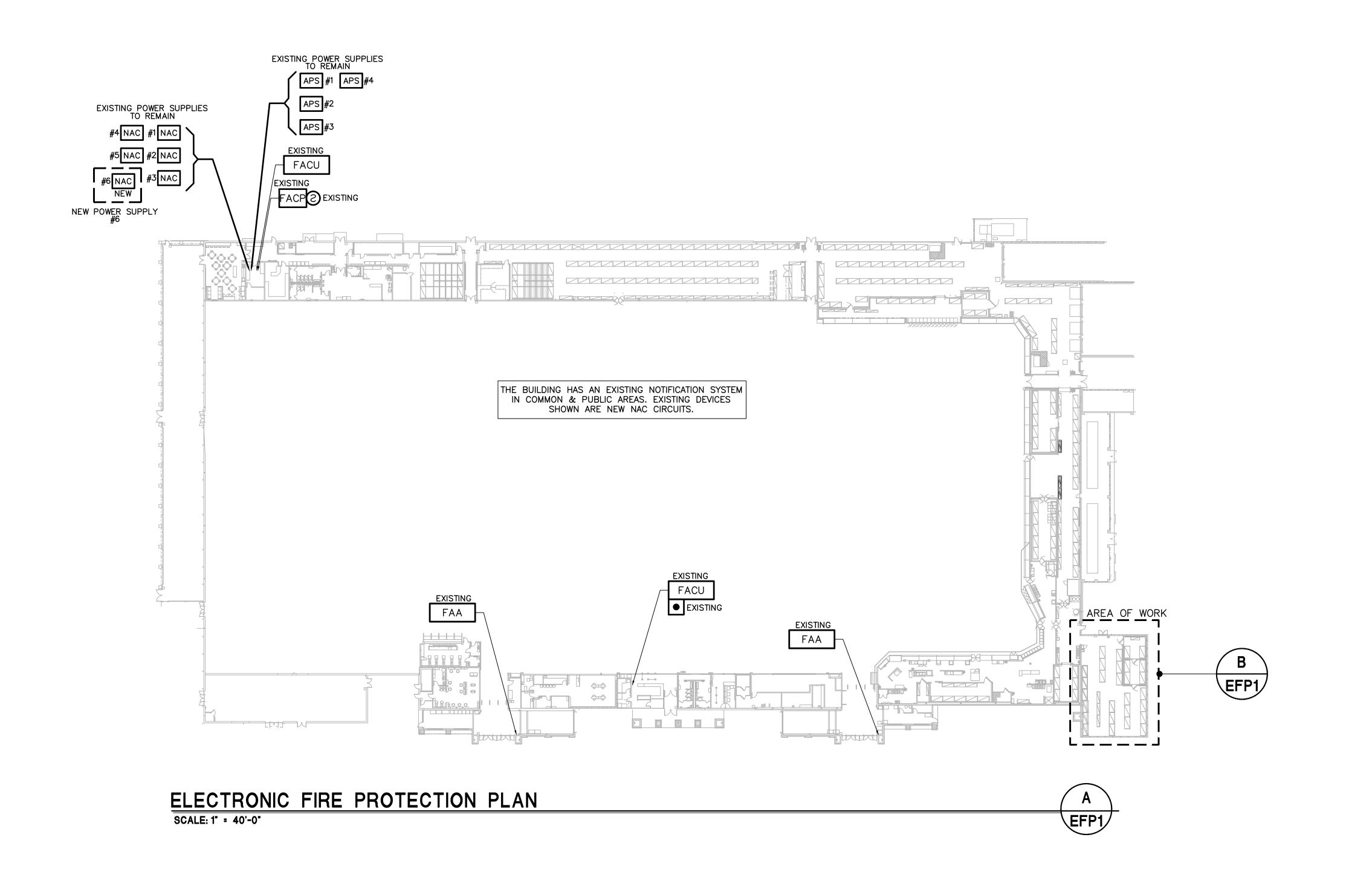
16716 2ND ST E, LAKE

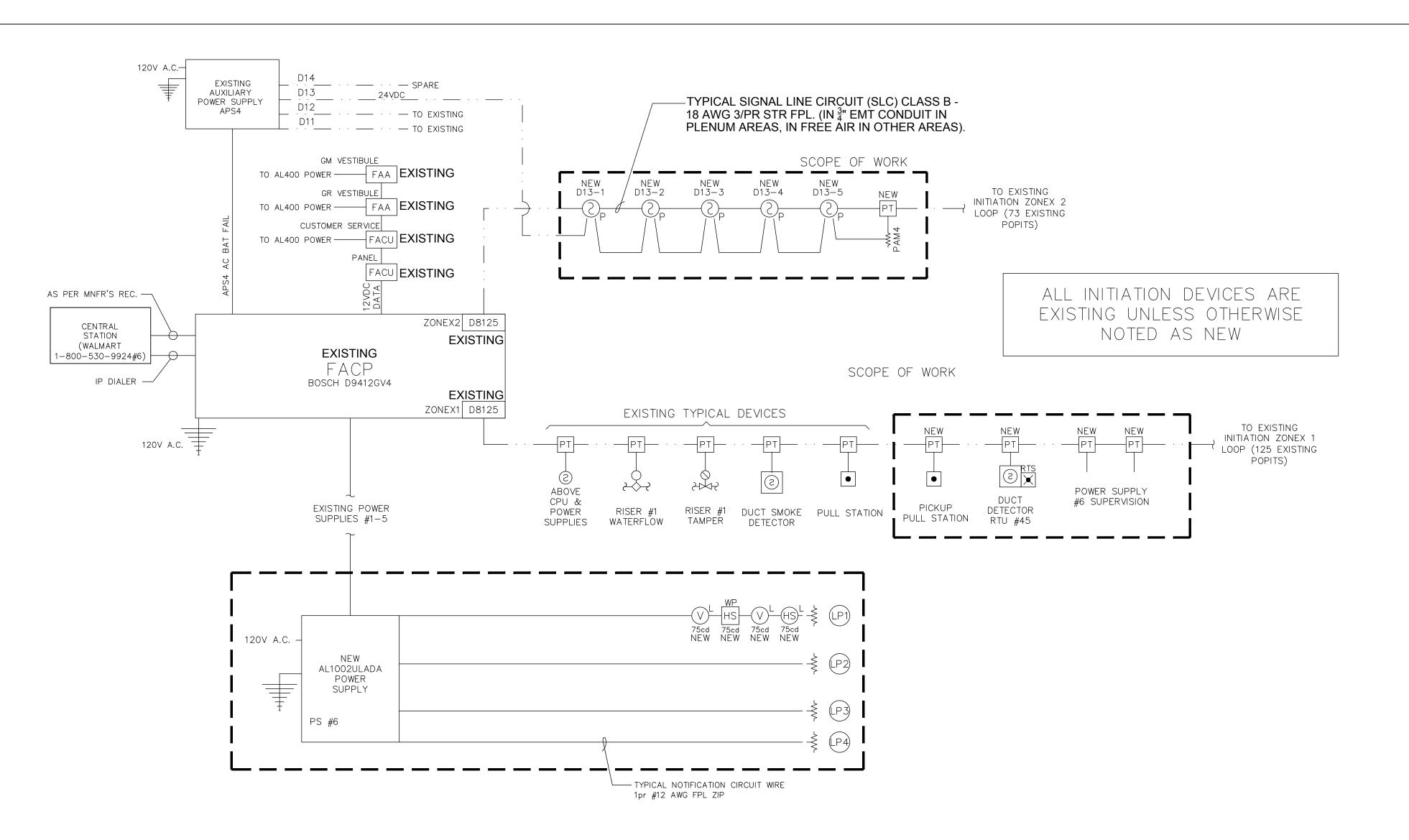
STORE ADDRESS: 310 31ST AVENUE SE PUYALLUP, WA 98374

Traffic







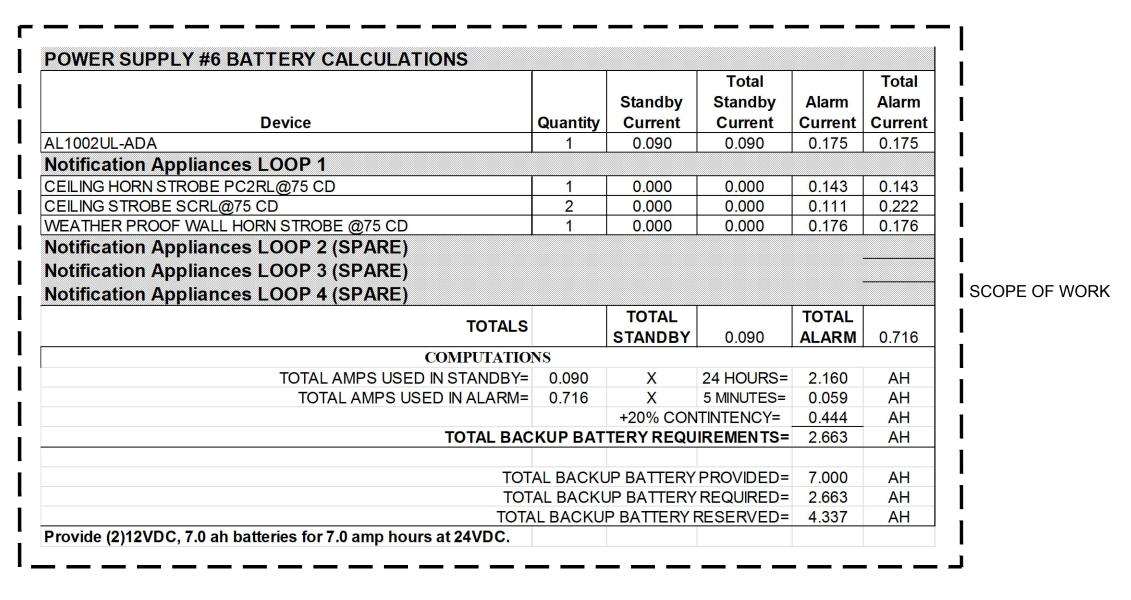


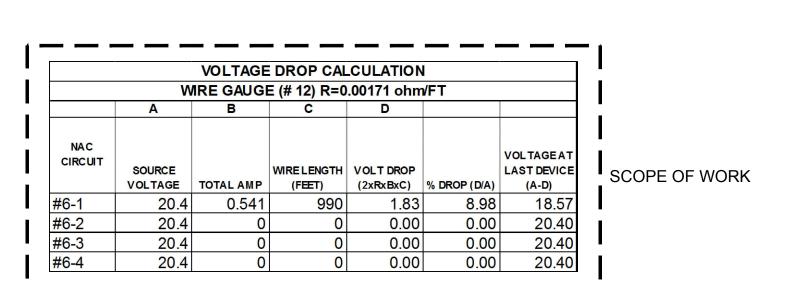
SYMBOL	QTY	FIRE ALARM SYMBOLS DESCRIPTION	MAKE/MODEL		
FACP			BOSCH D9412GV4		
FACP	EXISTING	FIRE ALARM CONTROL PANEL			
FACU	EXISTING	FIRE ALARM CONTROL ANNUNCIATOR	BOSCH D1256RB		
FAA	EXISTING	FIRE ALARM ANNUNCIATOR	BOSCH D1257RB		
NAC	1 NEW	NOTIFICATION POWER SUPPLY	ALTRONIX AL1002ULADA		
APS	EXISTING	AUXILIARY POWER SUPPLY	ALTRONIX AL400ULPS		
O _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		
(S)	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)		
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		
HSL	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		
PAM4	1 NEW	POWER SUPERVISON RELAY	PAM-4		
— <u></u>		END OF LINE RESISTOR	PER MANUFACTURER		
N.O.		NORMALLY OPEN			
WP		WEATHERPROOF			
		WIRE LEG	END		
А			FIRE ALARM SYSTEM 3pr #18 AWG FPL TWISTED		
В	_		NOTIFICATION CIRCUIT 1pr #12 AWG FPL ZIP		
C			MILITIPLE CARLES		

MULTIPLE CABLES

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 DETECTOR	8	0.006	0.048	0.060	0.480	
PAM-4 - POWER SUPERVISION MODULE	1	0.015	0.015	0.015	0.015	
CIRCUIT 2						
BEAM1224 BEAM DETECTOR W/BEAMLRK	5	0.017	0.085	0.039	<u>0.19</u> 3	
CIRCUIT 3						_
ADDRESSABLE DETECTOR BASE WITH HEAD	5	0.0025	0.013	0.035	0.175	SCOPE OF WO
ADDRESSABLE DETECTOR BASE WITH HEAD & PAM4 RELAY	1	0.0185	0.019	0.051	0.051	_]
CIRCUIT 4 (SPARE)						
TOTALS		TOTAL STANDBY	0.269	TOTAL ALARM	1 089	
COMPUTATIONS		01/11/021	0.200	/ LE (1 dii	1.000	
TOTAL AMPS USED IN STANDBY=	0.269	X	24 HOURS=	6.456	AH	
TOTAL AMPS USED IN ALARM=	1.089	X	15 MINUTES=	0.272	AH	
		+20% CONT			AH	
TOTAL BACK	UP BATTE	RY REQUIR	REMENTS=	8.074	AH	
TOTAL	DAOKUD F	A TTE DV D	DOMED	40.000	A.1.1	
		BATTERY PI BATTERY RI		18.000 8.074	AH AH	
		ATTERY RE		9.926	AH	
			JULIA LD-	9.920		

ATLAST

EXISTING	G D9412G	V4 BATT	ERY CAL	CULATIONS			
			Standby	Total Standby	Alarm	Total 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	
NEW INITIATION POPITS	D9127	5	0.0005	0.0025	8000.0	0.0040	SCOPE OF WORK
NEW POPITS DETECTOR BASE	D9127	5	0.0005	0.0025	8000.0	0.0040	SCOPE OF WORK
EXISTING POPITS	D9127	420	0.0005	0.2100	0.0008	0.3360	T —
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	
TOTALS			TOTAL STANDBY	0.801	TOTAL ALARM	1.366	
	CC	MPUTATIO	NS				
TOTAL AMP	S USED IN ST	TANDBY =	0.801	X 24 HOURS =	19.224	AH	
TOTAL AM	IPS USED IN	ALARM =	1.366	X 5 MIN =	0.113	AH	
			+20% CC	NTINGENCY	3.867	AH	
	TOTAL ST	TANDBY BA	ATTERY RE	QUIREMENTS=	23.205	AH	
	TO	36.000	AH				
	TOTAL BACKUP BATTERY REQUIRED=						
	TO	TAL BACK	KUP BATTEI	RY RESERVED=	12.795	AH	

EXISTING (2) 18ah batteries to provide 36 amp hours at 12 volts

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.
	Χ		Χ		X	Χ					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	X	X	TRANSMIT TROUBLE SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE
		X									ACTIVATES AHU/RTU UNIT TO SHUTDOWN
			Х								ACTIVATES WP NOTIFICATION ABOVE FDC

POINT TO BE	POINT TYPE	POINT TYPE						
ANNUNCIATED AS:	FIRE ALARM SUPERVISOR	RY 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 ANNI AND GROUND FAULT CONDITIONS. ADDITIONALLY ALL REQUIRED TO ANNUNCIATE A TROUBLE SIGNAL DURINFIRE ALARM SYSTEM WILL BE TESTED BY THE OWNER	L OUTPUT CIRCUITS (HORNS/STROBES)) ARE I. THE						

COMPLIANCE NOTES "PROPRIETARY SYSTEM"

- 1. 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 SACRAMENTO, CA 95827 PHONE: 916-368-4468 FAX: 916-368-4490 EMAIL: rh@saceng.com City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic

STIPULATION FOR REUSE
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UVALLUP, WA
ONTEMPORANEOUSLY WITH ITS ISSUE
ATE ON 900821 AND IT IS NOT
UITABLE FOR USE ON A DIFFERENT
ROJECT SITE OR AT A LATER TIME. USE
F THIS DRAWING FOR REFRENCE OR
XAMPLE ON ANOTHER PROJECT
CENSED ARCHITECTS AND ENGINEERS.
CENSED ARCHITECTS AND ENGINEERS.
CENSED ARCHITECTS AND ENGINEERS.
EPRODUCTION OF THIS DRAWING FOR
EUSE ON ANOTHER PROJECT IS ON
UTHORIZED AND MAY BE CONTRARY TO



PUYALLUP, WA
310 31ST AVENUE SE, PUYALLUP, WA 98374
STORE NO: 2403 - 278
STORE NO: 2403 - 278

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DRAWN BY: JK
PROTO CYCLE:
DOCUMENT DATE: 042522

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

LOW VOLTAGE
SECURITIES
16716 2ND ST E, LAKE
TAPS, WA 98391
ATTN: MARK SHAW
253-315-1439
MARKLVS@YAHOO.COM



HIMANSHU BHARTIYA, CET (NICET 131710, FIRE ALARM SYSTEMS, LEVEL III)

ELECTRONIC
FIRE
PROTECTION
RISER,
DETAILS, &
CALCS

SHEET: