

# Walmart 3.3

#### City of Puyallup **REVIEWED** FOR COMPLIANCE RayC 08/02/2022 5:57:44 PM

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

See Permit Conditions

#### FACILITY ADDRESS

310 31ST AVENUE SE PUYALLUP, WA 98374

#### APPLICABLE CODES

NFPA STANDARDS NFPA 72

EDITION: 2016

INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS

INTERNATIONAL FIRE CODE

WITH LOCAL AMENDMENTS

2018

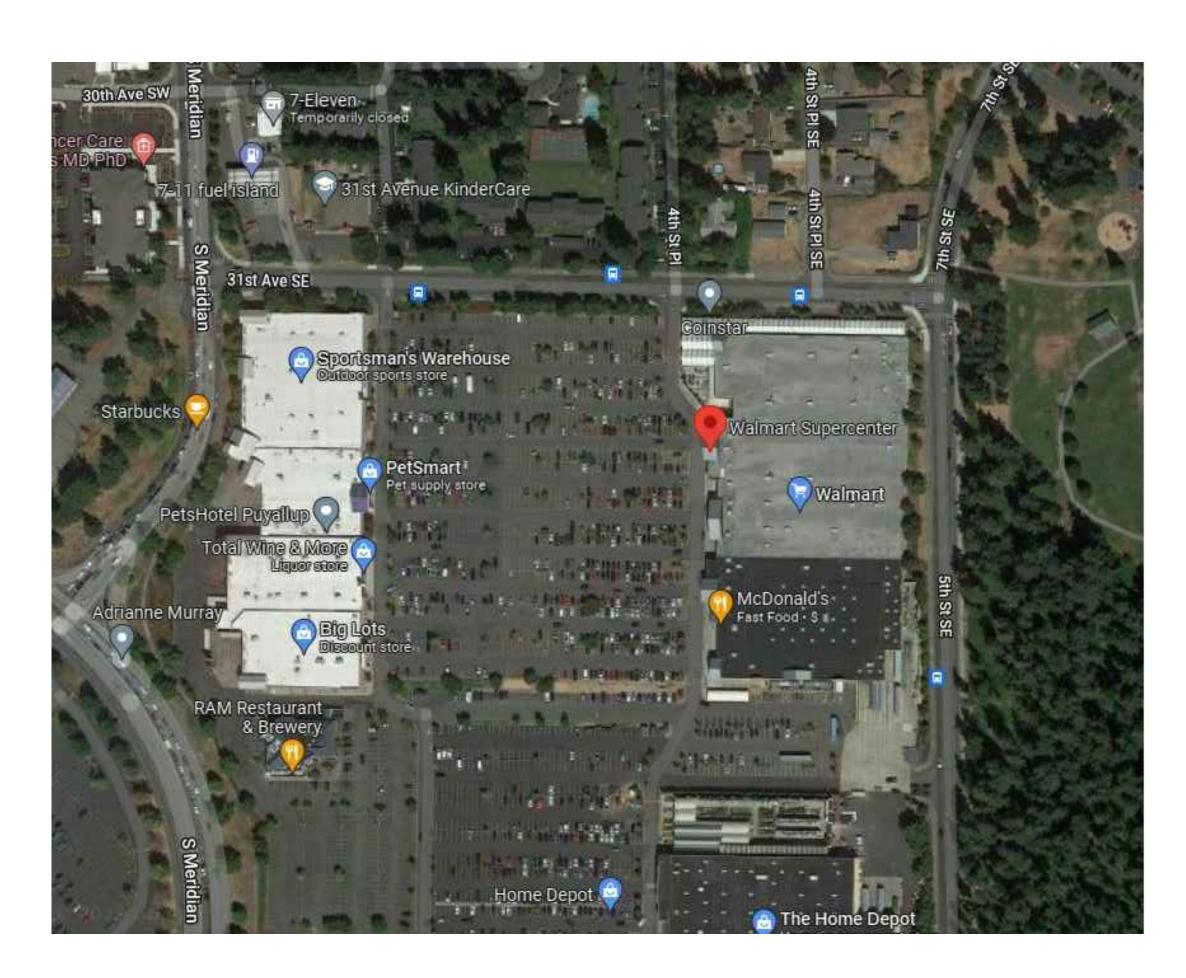
2018

LOCAL CONTACTS

#### **BUILDING DEPARTMENT:**

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

## FACILITY # 2403 FIRE ALARM PLANS SPL PICKUP EXP



SITE MAP

#### SHEET INDEX

EFPO ELECTRONIC FIRE PROTECTION COVER SHEET

ELECTRONIC FIRE PROTECTION PLAN

EFP2 ELECTRONIC FIRE PROTECTION RISER, DETAILS, & CALCS.

#### ENGINEER CONSULTANT

PROJECT ENGINEER PROJECT DESIGNER

PROJECT DESIGNER EMAIL ADDRESS

PHONE NUMBER

RICKERT HENRIKSEN HIMANSHU BHARTIYA 916-368-4468

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

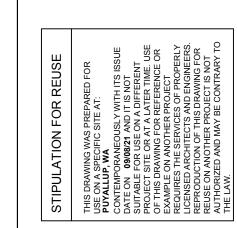
ASSIGNED WALMART SECURITY ENGINEER SECURITY ENGINEER PHONE NUMBER SECURITY ENGINEER EMAIL ADDRESS

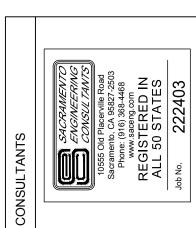
LISA LESLIE 479-360-3959 LISA.LESLIE@WALMART.COM

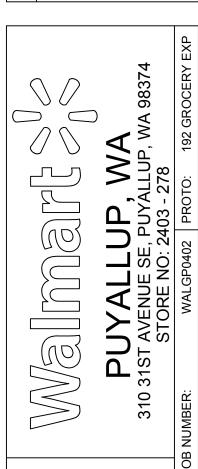
#### SECURITY TECHNOLOGY COORDINATOR

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

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







ISSUE BLOCK

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

#### MOUNTING HEIGHT BUSHING, AT END OF EMT TIRE LIMOUNT WALL MOUNT ITE BACK BOX OR 4S BACK A.F.F. BOX W/1 GANG MUD RING - TYP 48" TO OPERATING LEVER CONDUIT/EMT ANNUN. FINISHED FLOOR

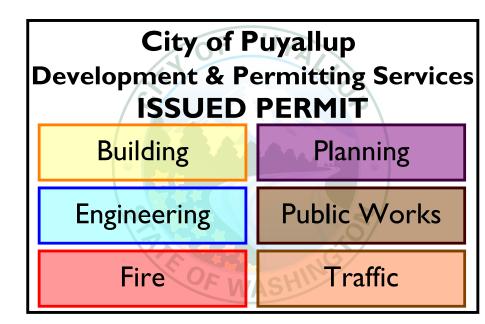
#### FIRE ALARM SCOPE OF WORK

- 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.
- 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 SUPPLY.
- 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



WORK EXISTING FIRE ALARM INITIATION

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

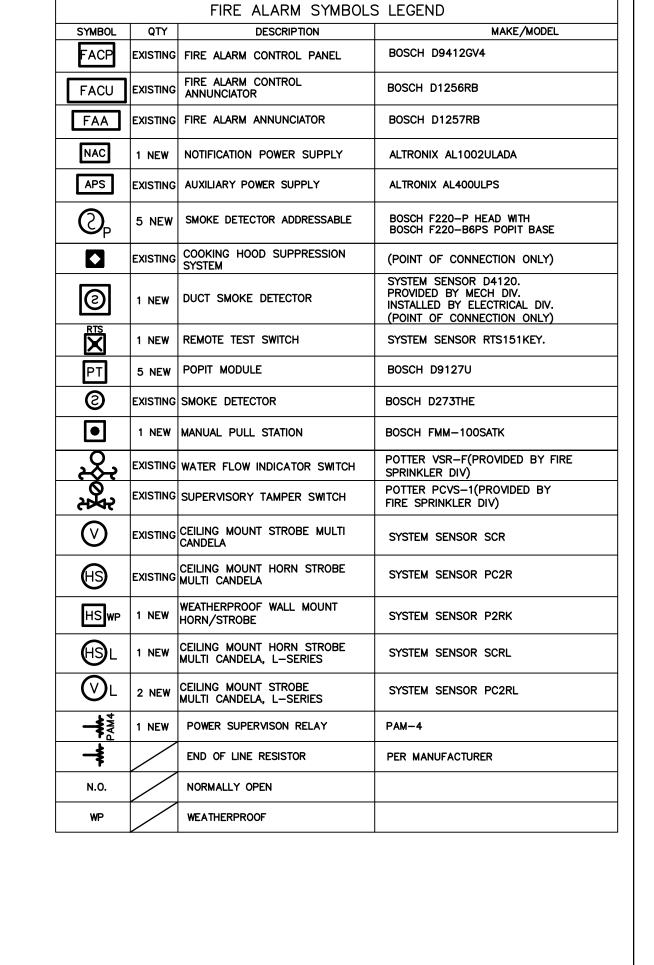
- 1) SUPERVISE ALL VALVES CONTROLLING THE SPRINKLER SYSTEM.
- 2) MONITOR EXISTING SMOKE DETECTORS TO PROTECT THE CPU ("FACP") & POWER SUPPLIES AS SHOWN

  TO MONITOR EXISTING AUTOMATIC EXTENDING SYSTEMS (ANGLE ETC.)
- 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.
- 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.



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

ISSUE BLOCK

CHECKED BY:

DRAWN BY:

CONTRACTOR:

TELAID 1722 SE MOBERLY LANE, BENTONVILLE, AR 72712 TIM HOLT

ELECTRONIC

FIRE

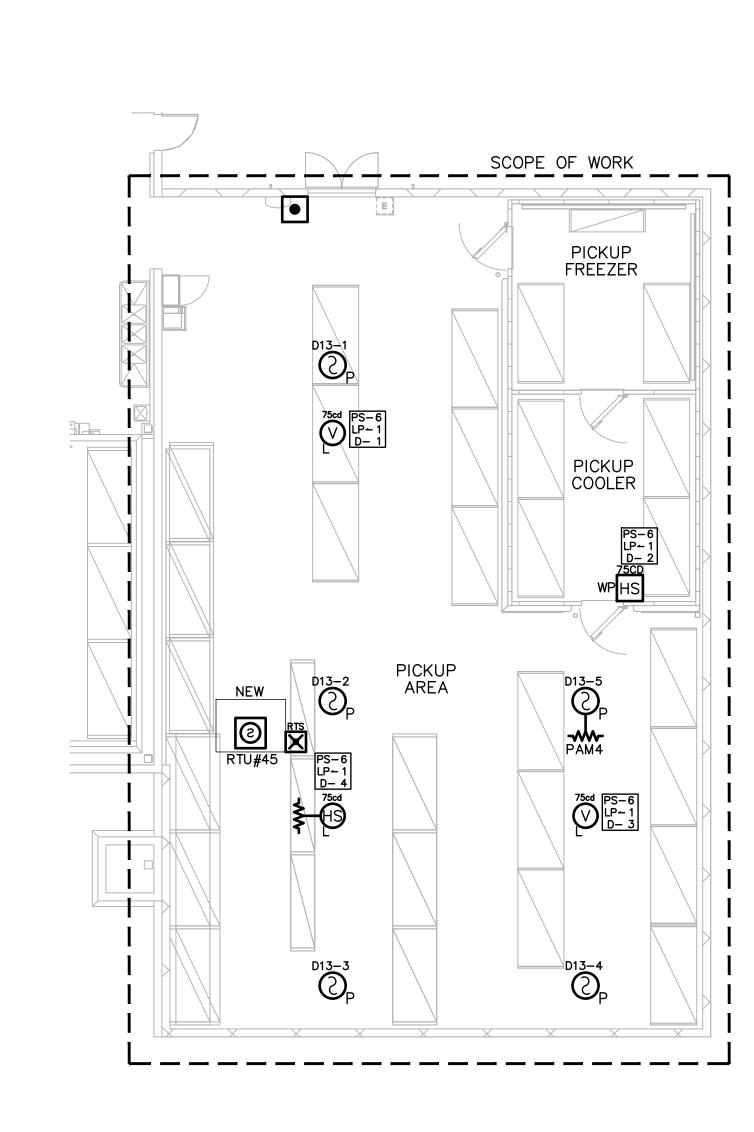
PROTECTION

PLAN

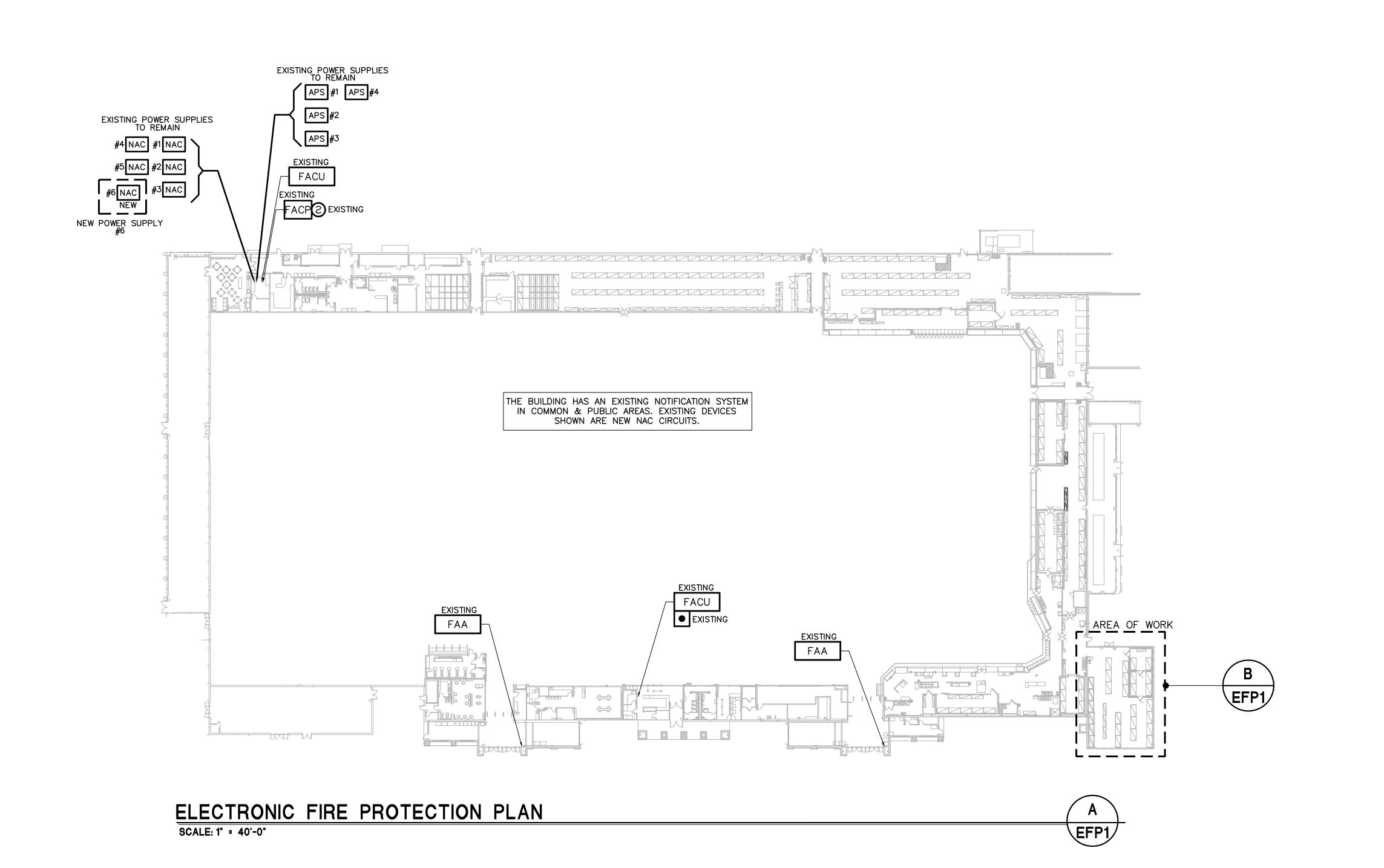
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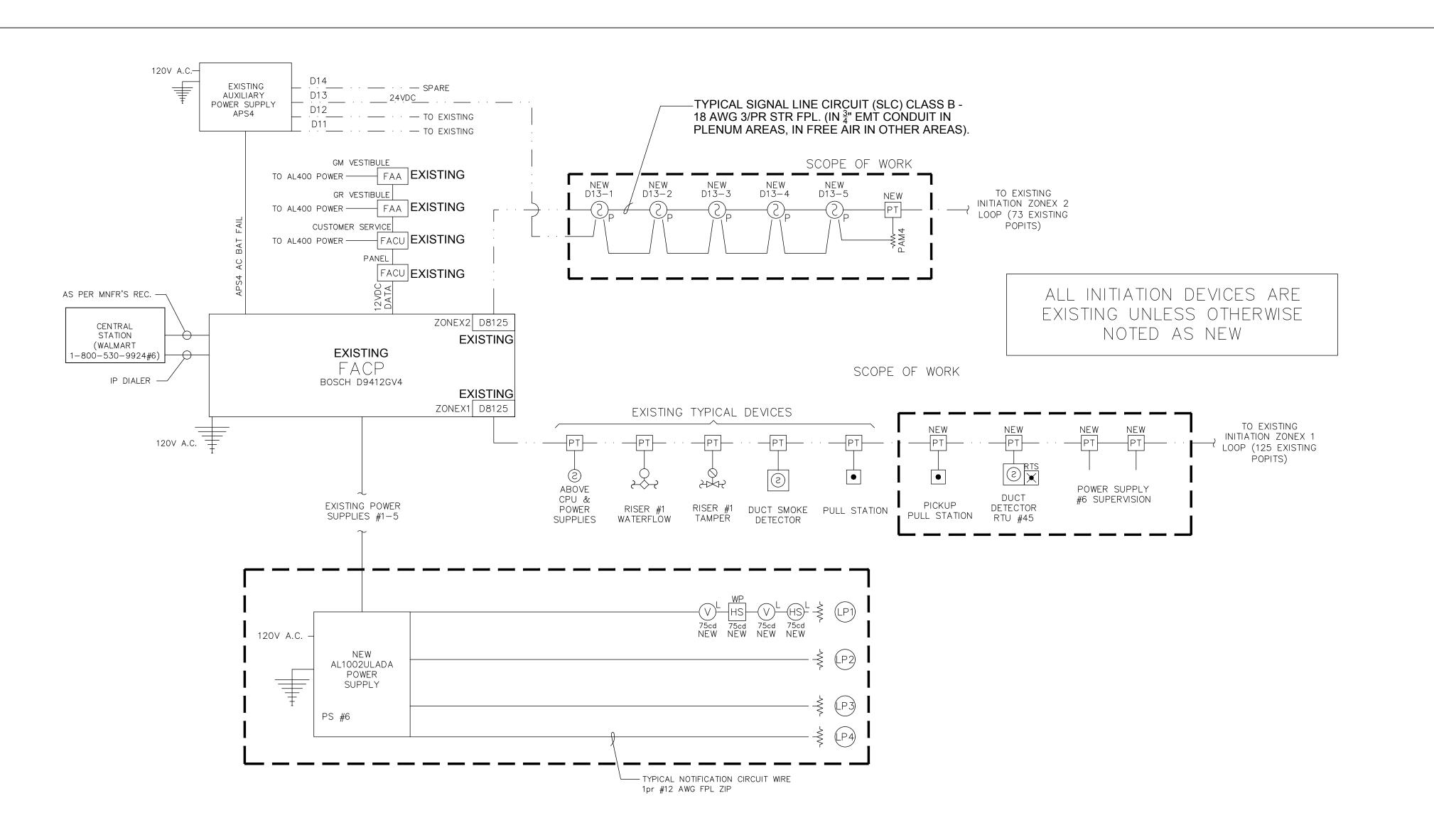
DOCUMENT DATE: 04252

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









		FIRE ALARM SYMBOLS	EGEND			
SYMBOL	QTY	DESCRIPTION		MAKE/MODEL		
FACP	EXISTING	FIRE ALARM CONTROL PANEL	BOSCH D9412GV4			
FACU	EXISTING	FIRE ALARM CONTROL ANNUNCIATOR	ВС	BOSCH D1256RB		
FAA	EXISTING	FIRE ALARM ANNUNCIATOR	В	BOSCH D1257RB		
NAC	1 NEW	NOTIFICATION POWER SUPPLY	Al	ALTRONIX AL1002ULADA		
APS	EXISTING	AUXILIARY POWER SUPPLY	Al	ALTRONIX AL400ULPS		
O <sub>P</sub>	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	1 NEW	REMOTE TEST SWITCH	SYSTEM SENSOR RTS151KEY.			
PT	5 NEW	POPIT MODULE		BOSCH D9127U		
(S)	EXISTING	SMOKE DETECTOR		OSCH D273THE		
•	1 NEW	MANUAL PULL STATION		BOSCH FMM-100SATK		
2	EXISTING	WATER FLOW INDICATOR SWITCH		POTTER VSR-F(PROVIDED BY FIRE SPRINKLER DIV)		
2	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			
—————————————————————————————————————	1 NEW	POWER SUPERVISON RELAY	РА	PAM-4		
— <b>*</b>		END OF LINE RESISTOR	PE	PER MANUFACTURER		
N.O.		NORMALLY OPEN				
WP		WEATHERPROOF				
		WIRE LEGI	ENI			
А			_	FIRE ALARM SYSTEM  3pr #18 AWG FPL TWISTED		
В			_	NOTIFICATION CIRCUIT  1pr #12 AWG FPL ZIP		
С			_	MULTIPLE CABLES		

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

#### CENTRAL STATION TO RECEIVE SEPARATE & DISTINCT SIGNALS. ACTIVATES FIRE HORN/STROBE LIGHTS(TEMPORAL TRANSMIT ALARM SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE TRANSMIT SUPERVISORY SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE TRANSMIT TROUBLE SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE ACTIVATES AHU/RTU UNIT TO SHUTDOWN ACTIVATES WP NOTIFICATION ABOVE FDC POINT TO BE FIRE ALARM SUPERVISORY ALARM ANNUNCIATED AS: RISERS WATERFLOW RISER TAMPERS MANUAL PULL STATION Χ SMOKE / HEAT DETECTORS

DUCT SMOKE DETECTORS

COOKING HOOD SUPPRESSION SYSTEM

COMPLIANCE	NOTES

- 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
- ELECTRONIC SPRINKLER SUPERVISORY SERVICE IS PROVIDED AND
- WITH ALARM ZONING COINCIDING WITH SPRINKLER ZONING.
- PROPER OPERATION OF THE SPRINKLER WILL ALSO BE SUPERVISED.
- 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.
- 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
- 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
- 12. WALMART SECURITY TECHNOLOGY WILL INSTALL THE FIRE ALARM WHERE LEGALLY ENTITLED BY LICENSING, PERMITTING, 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
- 14. WIRING WILL BE INSTALLED PER (THE NEC) NFPA 70 AND ALL OTHER APPLICABLE SECTIONS. ALL EQUIPMENT SHALL BE
- 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.
- 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.
- SACRAMENTO ENGINEERING CONSULTANTS
- 10555 OLD PLACERVILLE RD
- SACRAMENTO, CA 95827 PHONE: 916-368-4468 FAX: 916-368-4490

### "PROPRIETARY SYSTEM"

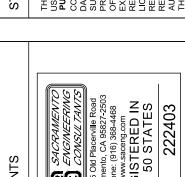
ALL FIRE ALARM SYSTEM CIRCUIT WIRING MUST ANNUNCIATE A TROUBLE SIGNAL DURING OPEN AND GROUND FAULT CONDITIONS. ADDITIONALLY ALL OUTPUT CIRCUITS (HORNS/STROBES) ARE REQUIRED TO ANNUNCIATE A TROUBLE SIGNAL DURING A WIRE TO WIRE SHORT CONDITION. THE

FIRE ALARM SYSTEM WILL BE TESTED BY THE OWNER'S REPRESENTATIVES TO THE CRITERIA OF

SEQUENCE OF OPERATIONS

- A FULLY SUPERVISED FIRE SPRINKLER SYSTEM PER NFPA 13 AND NFPA 72.
- IS PROPRIETARY SYSTEM UNDER NFPA 72.
- 3. FLOW SWITCHES WILL BE PROVIDED ON ALL SPRINKLER RISERS
- 4. TAMPER SWITCHES WITH BE PROVIDED ON ALL VALVES, AND WHERE APPLICABLE, ALL OTHER ELEMENTS ESSENTIAL TO THE
- 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.
- ONE SMOKE DETECTOR WILL BE INSTALLED ABOVE THE FACP IN ACCORDANCE WITH NFPA 72 AND ANY REMOTE LOCATIONS WHERE FIRE CONTROL EQUIPMENT IS INSTALLED.
- DRAWINGS FOR DETAILS.
- 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.
- AS INDICATED ON THE PLAN.
- CERTIFICATION OR EXEMPTION. LOCAL CONTRACTOR TO BE USED
- INFORMATION.
- PROPERLY LISTED PER NFPA 72.
- 15. THIS SYSTEM IS DESIGNATED AS A "PROPRIETARY SUPERVISING
- 16. THESE NOTES DO NOT SUPERCEDE REQUIREMENTS OF OTHER
- - DIRECT FIRE ALARM RELATED (ONLY) COMPLIANCE ISSUES TO:
- EMAIL: rh@saceng.com







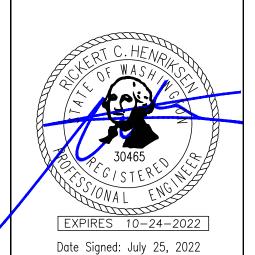
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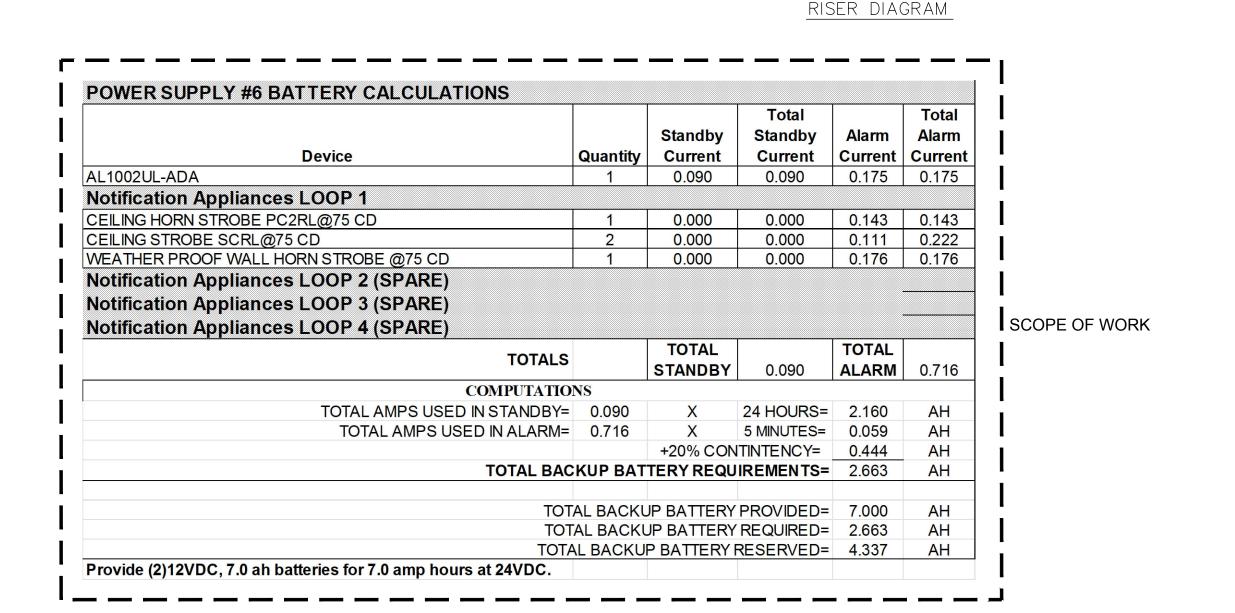
31ST AVENUE SE PUYALLUP, WA 98374 CONTRACTOR:

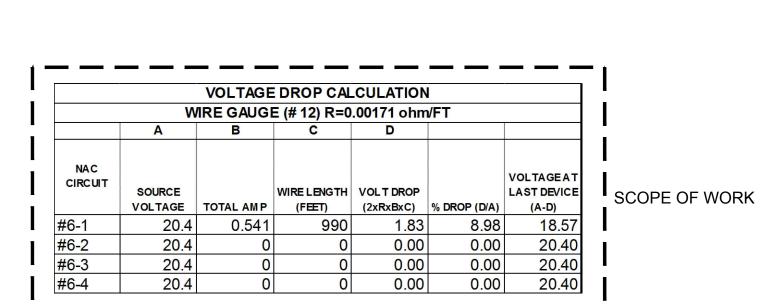
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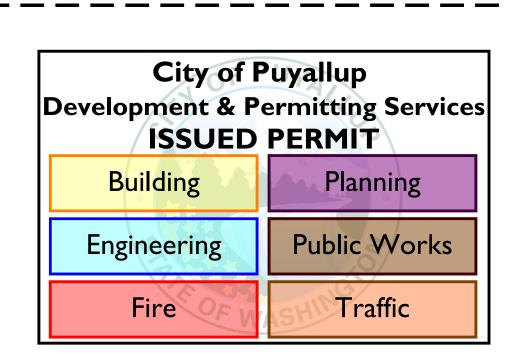
1722 SE MOBERLY LANE, BENTONVILLE, AR 72712 TIM HOLT THOLT@TELAID.COM 479-276-8380

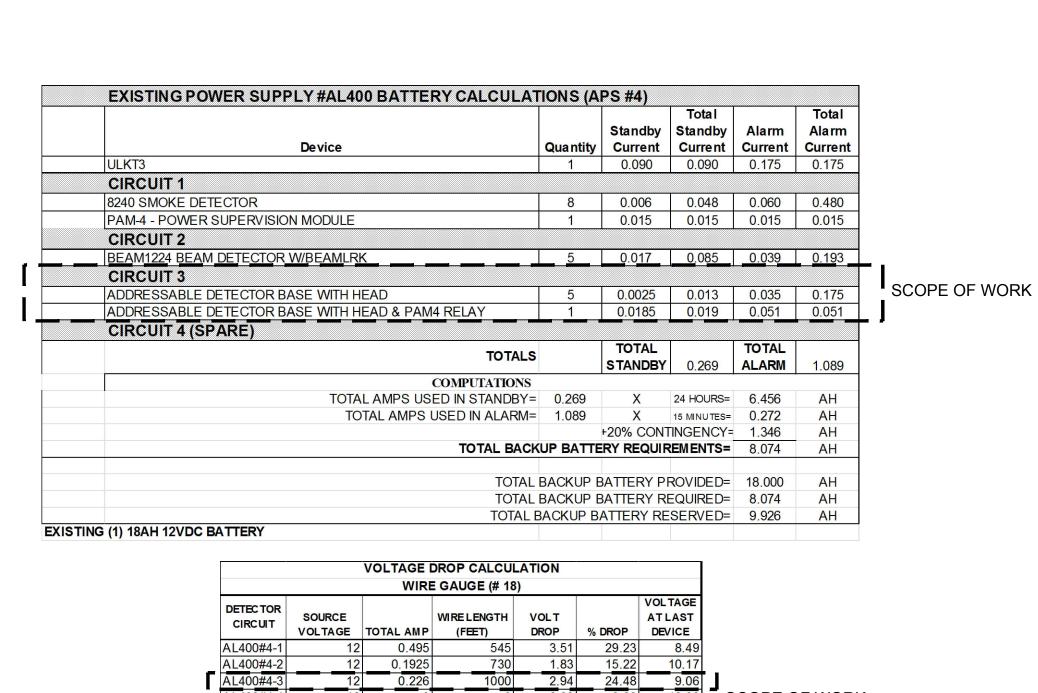


ELECTRONIC FIRE PROTECTION RISER, DETAILS, & CALCS









EXISTIN	G D9412G	V4 BATT	ERY CAL	CULATIONS			
						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	
NEW INITIATION POPITS	D9127	5	0.0005	0.0025	0.0008	0.0040	SCOPE OF W
NEW POPITS DETECTOR BASE	D9127	5	0.0005	0.0025	0.0008	0.0040	I SCOPE OF V
EXISTING POPITS	D9127	420	0.0005	0.2100	0.0008	0.3360	<b>-</b>
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	<b>ALARM</b>	1.366	
	CC	MPUTATIO	NS				
TOTAL AMPS USED IN STANDBY =			0.801	X 24 HOURS =	19.224	AH	
TOTAL AMPS USED IN ALARM =			1.366	X 5 MIN =	0.113	AH	
			+20% CC	NTINGENCY	3.867	AH	
	TOTAL ST	TANDBY BA	ATTERYRE	QUIREMENTS=	23.205	AH	
	TO	OTAL BACI	KUP BATTEI	RYPROVIDED=	36.000	AH	
	TO	OTAL BACI	KUP BATTEI	RYREQUIRED=	23.205	AH	
	TC	TAL BACE	KUP BATTEI	RYRESERVED=	12.795	AH	