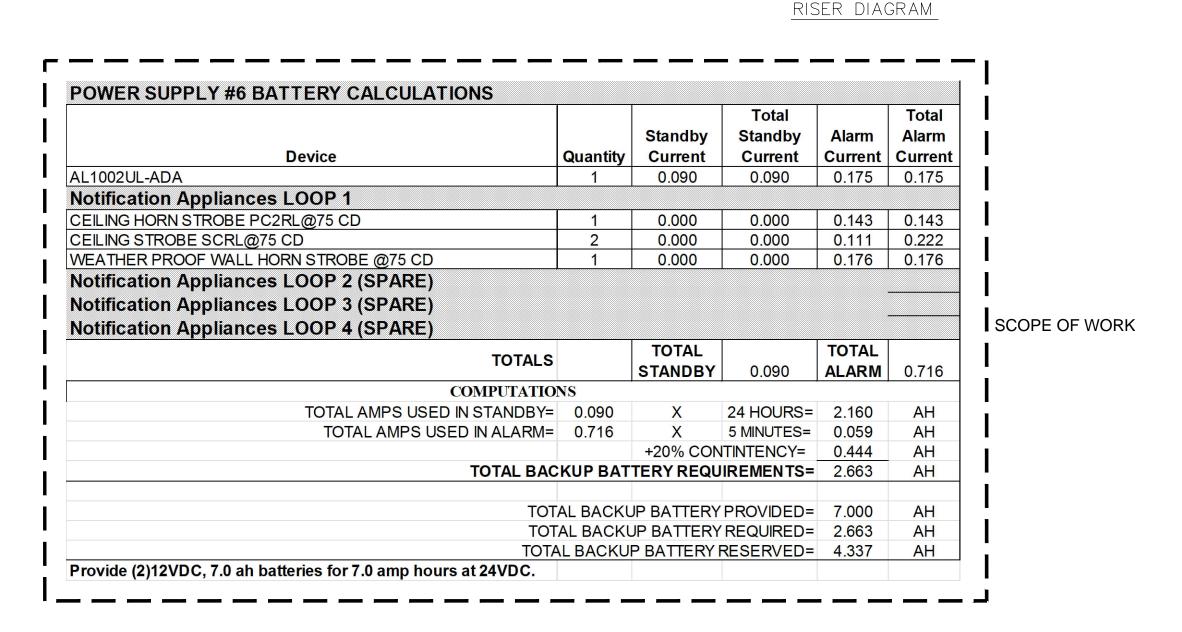
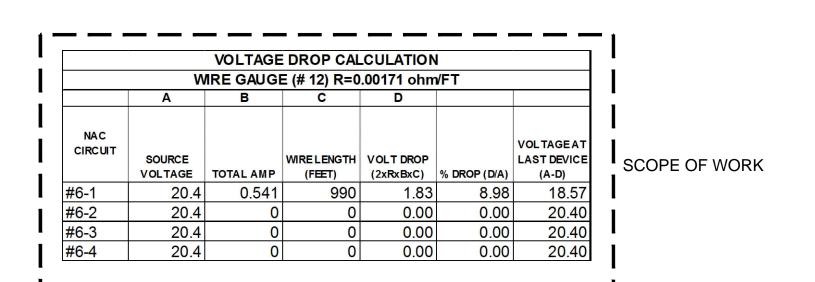


		FIRE ALARM SYMBOLS	5 LEGEND				
SYMBOL	QTY	DESCRIPTION	MAKE/MODEL				
FACP	EXISTING	FIRE ALARM CONTROL PANEL	BOSCH D9412GV4				
FACU	EXISTING	FIRE ALARM CONTROL ANNUNCIATOR	BOSCH D1256RB				
FAA	EXISTING	FIRE ALARM ANNUNCIATOR	BOSCH D1257RB				
NAC	1 NEW	NOTIFICATION POWER SUPPLY	ALTRONIX AL1002ULADA				
APS	EXISTING	AUXILIARY POWER SUPPLY	ALTRONIX AL400ULPS				
O ^b	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				
24	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)				
\bigvee	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				
₩A P	1 NEW	POWER SUPERVISON RELAY	PAM-4				
→		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				
			. "				

__ MULTIPLE CABLES

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





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	0.193	
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						
TOTAL AMPS USED IN STANDBY=		X	24 HOURS=	6.456	AH	
TOTAL AMPS USED IN ALARM=		X	15 MINUTES=	0.272	AH	
TOTAL BACK	INGENCY=	1.346 8.074	AH AH			
TO TAL BACK	OF BATTE	KI KEQUIN	CEIVIEIV 13-	0.074	АП	
TOTAL	BACKUP E	BATTERY PI	ROVIDED=	18.000	AH	
		BATTERY RI		8.074	AH	
TOTAL E	BACKUP B	ATTERY RE	SERVED=	9.926	AH	
G (1) 18AH 12VDC BATTERY						

EXISTIN]						
			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	I 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	
TOTALS			TOTAL	0.801	TOTAL	1 266	
TOTALS	66	MPUTATIO	STANDBY	0.601	ALARM	1.366	
TOTAL AMP				X 24 HOURS =	19.224	АН	
TOTAL AMP	0.113	AH					
TOTAL AN	IFS USED IN	ALAKWI –		X 5 MIN =	3.867	AH	
	TOTAL ST	TANDOV D		QUIREMENTS=		AH	
	IOIALSI	ANDDYBA	ATIEKYKE	QUINEMEN 13=	23.203	ΑП	-
	TO	36.000	АН				
		AH					
				RY REQUIRED= RY RESERVED=	12.795	AH	

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

ATLAST

						1			SE	QUE	NCE 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.
	Х		Х		X	X					ACTIVATES FIRE HORN/STROBE LIGHTS(TEMPORAL
	X		X		X	X					TRANSMIT ALARM SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE
		Х		Χ							TRANSMIT SUPERVISORY SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE
							X	X	X	X	TRANSMIT TROUBLE SIGNAL TO APPROVED CENTRAL STATION ALARM MONITORING SERVICE
		Х									ACTIVATES AHU/RTU UNIT TO SHUTDOWN
			Х								ACTIVATES WP NOTIFICATION ABOVE FDC

POINT TO BE		POINT TYPE				
ANNUNCIATED AS :	FIRE ALARM	SUPERVISORY ALARI				
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 ANNU 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"

- . 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.
- . ELECTRONIC SPRINKLER SUPERVISORY SERVICE IS PROVIDED AND 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 PROPER OPERATION OF THE SPRINKLER WILL ALSO BE SUPERVISED.

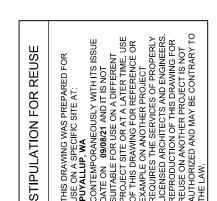
WITH ALARM ZONING COINCIDING WITH SPRINKLER ZONING.

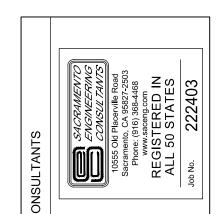
- 5. REMOTE ANNUNCIATOR(S) WILL PROVIDE POINT IDENTIFICATION ALL DEVICES/ZONES IN ALPHANUMERIC DISPLAY, AND AT LEAST ONE WILL BE LOCATED AT A CONSTANTLY ATTENDED LOCATION ON SITE. THE FACP CABINET HAS NO ANNUNCIATOR OR USER INTERFACE CONTROLS, AND IS A CABINET HOUSING (NON-ANALOG ADDRESSABLE) CIRCUITRY 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





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

ISSUE BLOCK

CHECKED BY: HB
DRAWN BY: JK
PROTO CYCLE:
DOCUMENT DATE: 042522

PUYALLUP, WA 98374

CONTRACTOR:
LOW VOLTAGE
SECURITIES
16716 2ND ST E, LAKE

STORE ADDRESS: 310

31ST AVENUE SE

TAPS, WA 98391

ATTN: MARK SHAW

253-315-1439 MARKLVS@YAHOO.COM

Date Signed: Feb 11, 2025

HIMANSHU BHARTIYA,

CET (NICET 131710,

FIRE ALARM SYSTEMS,

LEVEL III)

ELECTRONIC
FIRE
PROTECTION
RISER,
DETAILS, &
CALCS

SHEET: