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EX

symbol qty

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1- DEVICE SUBSCRIPT: NW=NEW RR=REMOVE & RELOCATE EX=EXISITING TO REMAIN AC=ABOVE CEILING RB=RELAY BASE WP=WATERPROOF WG=WIRE GUARD ISC 2- CABLEING SHOWN IS FOR CIRCUIT REFERENCE ONLY AND DOES NOT INTENDED TO INDICATE THE EXACT PATHWAY.

3- DEVICES SHOWN ON DRAWINGS IN GRAY SCALE ARE EXISTING DEVICES AND MAY NOT BE INCLUDED IN THIS SYMBOL LEGEND UNLESS NOTED. 4- HORN/STROBE DECIBLE SETTING TO BE DETERMINED ON SITE, UNLESS OTHERWISE NOTED ON THE DRAWINGS. CAN BE FIELD ADJUSTED AT REQUESST OF AHJ.

5- ALL DEVICES WITH A WP SUBSCRIPT WILL REQUIRE THE USE OF A OUTDOOR OR WP BACKBOX.

WIRE LE	EGEND						
SYMBOL	DESCRIPTION	THHN	FPL	FPLP	WET	COLOR CODING	CIRCUIT TYPE
D	1 PAIR 16AWG FIRE RATED CABLE	YES	971	60991B	AQ225		DATA (SLC) CIRCU
NOTES:							
** DIFFE	RENT COLORS/STRIPE COMBINATIONS TO BE USED F	OR DIFFERENT (CIRCUIT TYPE	S. LABEL ALL C	CIRCUITS AC	CORDINGLY	
1- WIRE	MANUFACTURER IS FOR REFERENCE PURPOSE ONLY	Y. WHEN USING	OTHER MANU	JFACTURE, EN	SURE PROPE	R CROSS REFERENCE	
2- FPLP	CAN BE USED IN MOST ALL APPLICATIONS WITH THE	EXCLUSION OF \	NET AND CIRC	CUIT INTEGRIT	Y REQUIREM	ENTS	
3- INSTA	ALL WIRING PER NEC. USE CABLE TYPE CONSISTENT	WITH NEC REQU	JIREMENTS, IE	E: PLENUM, RIS	ER, UNDERG	ROUND, ETC.	
4- THE "	Y" FIBER OPTIC CABLE LISTED IS A BELDEN CABLE PA	RT NUMBER AS	WEST PENN N	NO LONGER SU	IPPORTS FIB	ER OPTIC CABLE	
	· · · · · · · · · · · · · · · · · · ·						

5- THIS CABLE MUST BE INSTALLED IN A CONTINUOUS PATH POINT-TO-POINT. ABSOLUTLEY NO SPLICES ARE ALLOWED.

6- THIS IS A SPECIFIC CABLE, NO ALTERNATES ARE ALLOWED

FLAGNOTES NOTE # DESCRIPTION

DEVICE ADDRESS ARE TO BE ASSIGNED BY FA CONTRACTOR & SET BY ELECTRICIAN FIELD TECHNICIAN ONCE ON-SITE ROUTE SLC CABLE FROM NEAREST ADDRESSABLE DEVICE OR FACP

FACP	Batte	ery Load & B	ack-up	Calculation					FACP
Cont	trol Panel:	FACP							
	Location:	ON-SITE							
FA	CP Type:	AMPS-24 (Panel PS)				Each	Each	Total	Total
Line #	Qty:	Part #:	Description:			Standby	Alarm	Standby	Alarm
1	1	CPU2-3030D	Fire Alarm C	ontrol Panel: 10 SLC Loops, 3180 SLC Devices	(CPU Only)	0.3400	0.3400	0.3400	0.3400
2	2	LCM-320	SLC Loop C	ontrol Module		0.1300	0.1300	0.2600	0.2600
3	2	LEM-320	SLC Loop E	kpander Control Module		0.1000	0.1000	0.2000	0.2000
4	267	FSP-951	Intelligent Ph	otoelectric Smoke Detector: White		0.0002	0.0045	0.0534	1.2015
5	1	FSI-851	Intelligent lor	nization Smoke Detector: White		0.0003	0.0065	0.0003	0.0065
6	3	FST-951	Intelligent He	eat Detector - 135' Fixed Temp: White		0.0002	0.0045	0.0006	0.0135
7	271	B300-6	Intelligent De	etector Base: White		0.0000	0.0000	0.0000	0.0000
8	10	OSI-90	Beam Detec	tor Imager: 80deg Field of View, 20-111ft or 39-2	223ft (Low & Hig	h Power)0	0.0070	0.0700	0.0700
9	87	DNR	Duct Detecto	or Housing		0.0000	0.0000	0.0000	0.0000
10	87	FSP-951R	Intelligent Ph	otoelectric Smoke Detector for DNR Duct Smok	e Housing	0.0003	0.0065	0.0261	0.5655
11	44	NBG-12LX	Addressable	Manual Pull Station		0.0004	0.0050	0.0165	0.2200
12	16	FMM-1	Addressable	Monitor Module		0.0004	0.0050	0.0064	0.0800
13	1	FMM-101	Addressable	Mini Monitor Module		0.0004	0.0004	0.0004	0.0004
14	33	FDM-1	Addressable Dual Monitor Module 0.0002 0.0064 0.0079 0.2112				0.2112		
15	102	FCM-1	Addressable	Control Module (NAC)		0.0004	0.0065	0.0398	0.6630
16	32	FRM-1	Addressable	Relay Module		0.0002	0.0065	0.0074	0.2080
17	2	XP10-M	XP Module -	10 Class A/B Inputs		0.0035	0.0550	0.0070	0.1100
			•			Total C	urrent Draw:	1.0357	4.1496
							L		
BATTER	Y LOAD (CALC for FACP:		FACP Max P.S. Rating: 5.000	Total Am	ps Required:	4.150	% Used:	83%
		Hours Standby	24	Total Standby Current: 1.0357	Г	Total	Amp Hours Re	equired (AH):	24.9
		Minutes Alarm	5	Total Alarm Current: 4.1496	-		np Minutes Re		0.3
					-		F		0.0
		Backup Generator?	Unknown		_		Battery Size N		25.2
		Voice Evacucation?	No	Spare Circuit Capacity: 20%		Spare I	Battery Capac	ity Required:	6.3
		Military?	No	Spare Battery Load Factor: 25%		Actual B	attery Size Re	equired (AH):	31.5
								•	

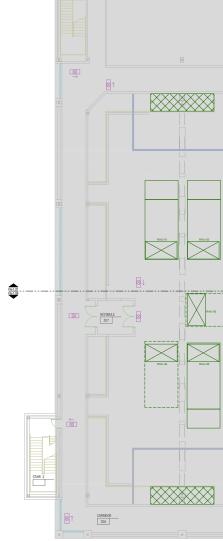
39th Ave SE

Total AH Rated Batteries Supplied: = 35.0

MAXIMUM CHARGER CAPACITY IS: 200 AH







DRAWINGS ARE ONLY AREAS WITHIN RED HAWK'S SCOPE. DEVICE LOCATIONS SHOWN ON DRAWINGS ARE GENERAL AND MAY NOT BE THE EXACT INSTALL LOCATION IN REGARDS TO THE UNIT. LOCATIONS WILL BE VERIFIED ON-SITE.

City of Puyallup Fire REVIEWED FOR COMPLIANCE DDrake 05/29/2025 8:06:55 AM OFPUYA

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.

City of Puyallup evelopment & Permitting Services Building Planning _____ Engineering Public Works Fire Traffic

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

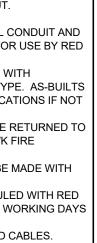
CENTERIS DATA CENTER L3 FAS SYSTEM MODIFICATION

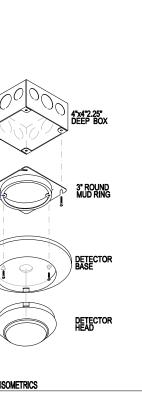
NUMBER	DEVICE DESIGNATION LEGEND:	INSTALLATION & GENERAL WIRING NOTES:
B300-6	NOTIFIER ONYX SERIES ADDRESSABLE INITIATING DEVICES:	GENERAL NOTES: 1. INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA
B300-6	BASE 1 ADDRESS	AND STATE AHJ'S, NEC AND CONTRACT DRAWINGS 2. WIRE ROUTING IS DIAGRAMMATIC IN NATURE ONLY AND NOT INTENDED FOR CONDUIT ROUTING.
	BASE 10 ADDRESS THE DETECTOR & MODULES ON	2.1. WIRING SHOWN GOING "THRU" A DEVICE DOES NOT NEED TO TERMINAT THAT DEVICE IF DEVICE IS NOT ON THAT CIRCUIT.
	DETECTOR or MODULE ONYX SERIES MAY HAVE THE SAME FIELD ADDRESS FOR EXAMPLE:	2.1.1. MEANING VOICE, STROBE/NAC CIRCUITS DO NOT NEED TO PASS T DEVICES & SLC CIRCUITS DO NOT NEED TO PASS THRU NOTIFICAT DEVICES. POWER CIRCUITS ONLY NEED TO GO FROM POWERED D
	$\begin{array}{c} \hline \\ \hline $	TO POWERED DEVICE. 3. ALL CONDUIT SIZING AND ROUTING BY ELECTRICAL CONTRACTOR PER NEC /
	$\begin{array}{c} \text{COMPLETE} \\ \text{DEVICE ADDRESS} \end{array} \begin{array}{c} 10127 \end{array} \rightarrow \begin{array}{c} 1 \end{array} \begin{array}{c} 2 \end{array} \begin{array}{c} 2 \end{array} \begin{array}{c} 1 \end{array} \begin{array}{c} 2 \end{array} \end{array} \begin{array}{c} 2 \end{array} \end{array} \begin{array}{c} 2 \end{array} \begin{array}{c} 2 \end{array} \begin{array}{c} 2 \end{array} \end{array} \end{array} \begin{array}{c} 2 \end{array} \end{array} \begin{array}{c} 2 \end{array} \end{array} \begin{array}{c} 2 \end{array} \end{array} \end{array} \begin{array}{c} 2 \end{array} \end{array} \end{array} \begin{array}{c} 2 \end{array} $	 VERIFY ALL LOCATIONS OF DEVICES WITH ELECTRICAL/ARCHITECTURAL PLA SCALE AND PLACE ALL DEVICES PER ELECTRICAL/ARCHITECTURAL PLANS. ALL CIRCUITS WILL BE PROPERLY TAGGED AND TESTED FOR OPENS, SHORT
	$6 \begin{array}{c} 7 \\ 8 \\ 9 \end{array} \begin{array}{c} 6 \end{array} \begin{array}{c} 7 \\ 8 \\ 9 \end{array} \begin{array}{c} 6 \\ 0 \end{array} \begin{array}{c} 6 \\ 0 \end{array} \begin{array}{c} 8 \\ 9 \end{array} \begin{array}{c} 9 \\ 9 \end{array} $	GROUNDS AND PROPER "END-OF-LINE" RESISTANCE. EACH CIRCUITS METER READING MUST BE DOCUMENTED AND PRESENTED TO RED HAWK FIRE PROT
	$\begin{array}{c} 3\\ 4\\ 3\\ 2\\ 13 \end{array} $	 FIELD TECHNICIAN UPON ARRIVAL ONSITE FOR STARTUP & CHECKOUT. 6. AS-BUILTS: 6.1. A SET OF INSTALLATION AS-BUILT DRAWINGS SHOWING ACTUAL CONDUCTION
	1 0 15 14 1 0 TENS ONES NFS:320 = 159 DET + 159 MOD (1 LOOP) NES:2.640 = 159 DET + 159 MOD (2 LOOP) NES:2.640 = 159 DET + 159 MOD (2 LOOP)	CONDUCTOR ROUTES SHALL BE KEPT BY PROJECT FOREMAN FOR USE HAWK FIRE PROTECTION TECHNICIAN.
	ADDRESSES 100 AND ABOVE NFS2-3030 = 159 DET + 159 MOD (10 LOOP)	6.2. AS-BUILTS SHALL BE KEPT ORDERLY AND BE CLEARLY MARKED WITH DIFFERENT COLOR PENS FOR EACH CIRCUIT AND/OR CIRCUIT TYPE. AS MUST INDICATE CHANGES TO THE FINAL DEVICE INSTALLED LOCATIONS
ES	NOTIFICATION APPLIANCES:	INSTALLED AT LOCATION SHOWN ON DESIGN DOCUMENTS.6.3. AS-BUILT REDLINES NOT PROVIDING THIS INFORMATION WILL BE RETURN
-		THE INSTALLATION CONTRACTOR FOR CORRECTION. RED HAWK FIRE PROTECTION IS NOT RESPONSIBLE FOR THESE DELAYS. 7. AGREEMENT AND CONFIRMATION OF ALL MILESTONE EVENTS WILL BE MADE
		 RED HAWK FIRE PROTECTION PROJECT MANAGER. 8. ALL RED HAWK FIRE PROTECTION FIELD SERVICES MUST BE SCHEDULED WITH A SUBJECT MANAGER.
	STROBE: L.F. SOUNDER: AUDIO ONLY: BELL DESINGATION: 15 = 15cd 95 = 95cd 150 = 150cd L35 = 135cd M = MINI HORN 6 = 6" BELL 30 = 30cd 110 = 110cd 177 = 177cd L50 = 150cd H = HORN ONLY 8 = 8" BELL	 HAWK FIRE PROTECTION PROJECT MANAGER WITH A MINIMUM OF 14 WORKIN ADVANCE NOTICE. DO NOT INSTALL LINE VOLTAGE IN SAME CONDUIT AS POWER LIMITED CABLE
	60 = 60cd 115 = 115cd 185 = 185cd L77 = 177cd F = SPEAKER ONLY 10 = 10" BELL 75 = 75cd 135 = 135cd L85 = 185cd LF = LOW FREQUENCY 12 = 12" BELL	FIRE ALARM SPECIFIC NOTES:
	NOTE: A "WP" ADJACENT TO THE DEVICE INDICATES THAT THE DEVICE IS OUTDOOR RATED NOTIFICATION / VISUAL CIRCUITS:	 SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 36" OF ANY AIR DIFFUSE 2019 NFPA 72-17.7.1.12.3 REQUIRES THAT SMOKE DETECTORS SHALL NOT BE
	CIRCUIT TYPE:	INSTALLED UNTIL AFTER FINAL CONSTRUCTION CLEAN-UP. 2.1. ANY SMOKE DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO CLEAN-U BE CLEANED OR REPLACED AND WILL BE INVOICED ON A T&M BASIS.
	"C" = FACP NAC CIRCUIT "N" = APS NAC CIRCUIT "P" = 24VDC POWER CIRCUIT "P" = 24VDC POWER CIRCUIT "DEVICE NUMBER	3. WALL MOUNTED NOTIFICATION DEVICES BACKBOX BETWEEN A MINIMUM OF 8 A MAXIMUM OF 96" AFF.
	V = VOICE/SPEAKER CIRCUIT $V = VOICE/SPEAKER CIRCUIT$	 3.1. DEVICES THAT ARE UNABLE TO BE MOUNTED WITHIN THAT RANGE MUST I VERIFIED BY RED HAWK FIRE PROTECTION PRIOR TO INSTALLATION. 3.2. SEE FLOOR PLANS FOR CANDELA RATING OF EACH DEVICE INSTALLED.
		 ALL MANUAL PULL STATIONS ARE TO BE MOUNTED AT A HEIGHT NO GREATER TO TOP AND NO LOWER THAN 36" TO BOTTOM (PER ADA REQUIREMENTS). FIELD VERIFY ALL SPRINKLER MONITORING DEVICES WITH FIRE PROTECTION
	SYSTEM SENSOR HORNS & CHIMES AUDIO SELECTOR WHEELOCK HORNS: "L" SERIES DEVICES HORN CHIME	 CONTRACTOR 6. FIELD VERIFY ALL HVAC, FAN CONTROL, FIRE/SMOKE DAMPERS AND DUCT DET LOCATIONS WITH MECHANICAL CONTRACTOR
	1 High TELPORAL 3 1 SECOND 2 LOW TELPORAL 3 1 SECOND 3 High NON-TELPORAL 1/4 SECOND	7. FACP SHALL NOT BE ENERGIZED WITHOUT THE PRESENCE OF RED HAWK FIRE PROTECTION TECHNICIANS.
	7 4 LOW NON-TELEPORAL 144 SECOND 5 INGH 3.116/27 TELEPORAL 3 TELEPORAL CNIME 6 LOW 3.116/27 TELEPORAL 3 TELEPORAL CNIME 7 HIGH 3.116/27 NON-TELEPORAL 3 SECOND WHOOP	8. NO TAPPING OF SIGNALING OR INITIATING ZONE CIRCUITS ARE ALLOWED. T-T OF STYLE 4 ADDRESSABLE CIRCUITS IS ALLOWED PROVIDING A SPLICE IS PROFESSIONALLY INSTALLED, POLARITY IS OBSERVED AND SHIELDS ARE
	ALDIO VOLUME SETTINGS ARE FOR REFERENCE ONLY AND CAN BE FIELD ADJUSTED AT THE AHJ REQUEST	CONTINUOUS AND FREE OF GROUNDS. SHIELDS MUST BE TERMINATED AT FA 8.1. CABLE SHIELDS SHALL BE SPLICED TOGETHER AT EVERY JUNCTION BETW FACP AND THE LAST DEVICE ON EACH CABLE RUN. SHIELDS AND OTHER F
		ALARM CONDUCTORS (EXCEPT POWER GROUNDS) SHALL BE INSULATED A COMPLETELY FREE FROM CONDUIT OR EARTH GROUNDS. SHIELDS WILL
	SYMBOL & WIRE STYLE IDENTIFICATION	 TO GROUND ONLY AT THE FACP BY THE RED HAWK FIRE PROTECTION FIEL TECHNICIAN. 9. THE SYSTEM SHALL BE MONITORED BY A U.L. LISTED MONITORING STATION BE
		 AHJ TEST. 10. AS-BUILTS ARE REQUIRED AT TIME OF AHJ ACCEPTANCE. RED HAWK FIRE PROTECTION REQUIRED ELECTRICAL RED LINES WITHIN 2 WEEKS PRIOR TO AI
	J-BOX 2C,D WIRE/CABLE INDENTIFIER 2C = 2 TYPE "C" CABLES D = 1 TYPE "D" CABLE	TESTS. 10.1. EACH CIRCUIT (SLC, NAC OR POWER) MUST BE CLEARLY IDENTIFIED WITH DISTINCT COLOR
	Same Same Cable Installation types	10.2. EACH NAC CIRCUIT MUST BE CLEARLY MARKED AS TO WHICH DEVICES AR EACH CIRCUIT AND IN THE ORDER THE DEVICES ARE WIRED TO COMPLETE
	OPEN CABLE RACEWAY	CIRCUIT.
	= -2HR 2HR 2HR S	
	S	SLC IN SLC OUT
	ENLARGED VIEW BOUNDRY	
	-////- XX I × 10'-0"	
	$\begin{array}{c c} -\sqrt{W} & & & \\ \hline \\ \hline$	
		A B300S DETECTOR BASE
	FLAG NOTE SHEET NOTE EQUIPMENT NOTE	D D
		SLC IN O SLC OUT
	1HR RATED WALL	
		B300S DETECTOR BASE W/ RA100Z REMOTE ALARM INDICATOR DBACKBOX & MOUNTING ISOMETRICS
		3 B300S DETECTOR BASE w/ & w/o THE RA100Z REMOTE INDICATOR & BACKBOX M SCALE: NONE
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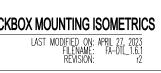
MECHANICAL ROOM _____ લ, લ, CORREDOR SIZE 8 8 MECH. ROOM 2 LEVEL 3 FLOOR PLAN - OVERALL SCALE: NOT TO SCALE



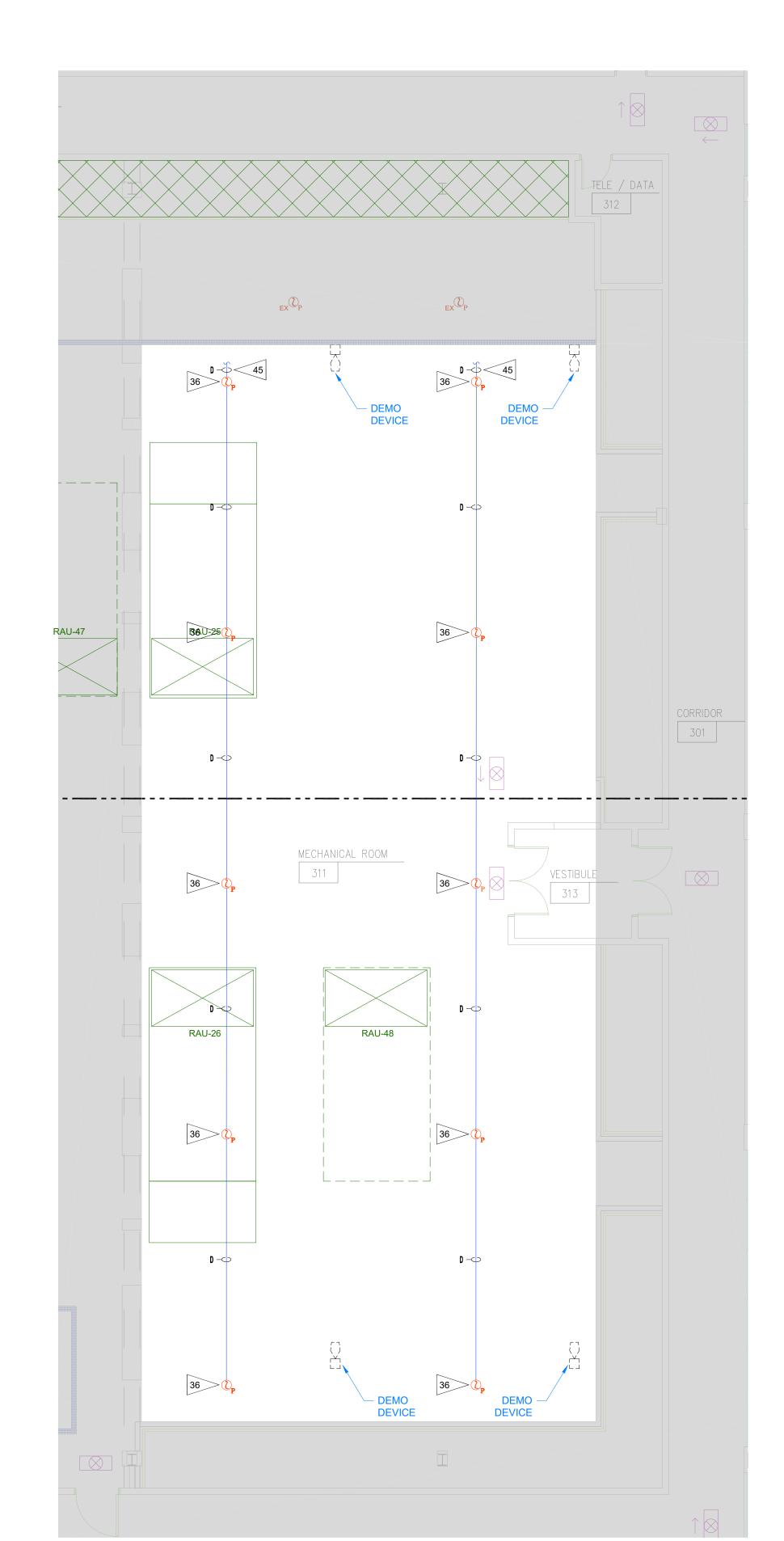
PROJECT CONTACT INFORMATION:	FIRE ALARM / LIFE SAFETY PROVIDER:				
FROJECT CONTACT INFORMATION.	NAME: RED HAWK FIRE PROTECTION				
CUSTOMER:	ADDRESS: 917 134TH ST SW SUITE B-3				
NAME: BURKE ELECTRIC	EVERETT, WA 98204				
ADDRESS: 12605 44TH PL S	PHONE: 425-818-3313				
TUKWILA, WA 98178	FAX:				
CONTACT: PETE KELLY	SALESMAN: JEREMY MUNSON JeremyM@redhawkfp.com EXT:				
PHONE: 425-241-7676	PM: JAMES PAN JamesP@redhawkfp.com EXT:				
FAX:	DESIGNER: SEAN FODOR SeanF@redhawkfp.com EXT:				
EMAIL: pkelly@burkeelectric.com					



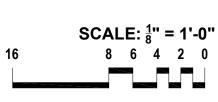








1 LEVEL 3 FLOOR PLAN - FAS LAYOUT SCALE: 1/8" = 1'-0"



RED HAWK FIRE PROTECTION, LLC 917 134TH ST. SW. STE B-EVERETT, WA 98204 PHONE: (425) 818-3313 WA CL# REDHAHF901QP WA EL# REDHAHF803QD NICET Stamp NICET CERTIFICATION THESE FIRE ALARM DRAWINGS HAVE BEEN REVIEWED BY: MIKE SERESUN FIRE PROTECTION ENGINEERING TECHNOLOGY FIRE ALARM SYSTEMS - LEVEL III NICET CERTIFICATION # 101668 CERTIFICATION EXPIRES - 11/01/2027 Approvals Required Revisions ISSUE DATE BY DESCRIPTION <u>05/01/2025</u> SDF PERMIT SUBMITTAL SET Contract With BURKE ELECTRIC 12605 44TH PL S TUKWILA, WA 98178 Contract Name CENTERIS DATA CENTER L3 1023 39TH AVENUE SOUTH EAST PUYALLUP, WA 98374 FAS SYSTEM MODIFICATION Sheet Title **PROJECT INFO**, FAS LAYOUT, **CALCS & DETAILS** Key Plan Date: 05/01/2025 390070 Job Number SEAN D. FODOR Designer: Building Permit: Sheet Number FA-0.00 SHEET 1 OF 1

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