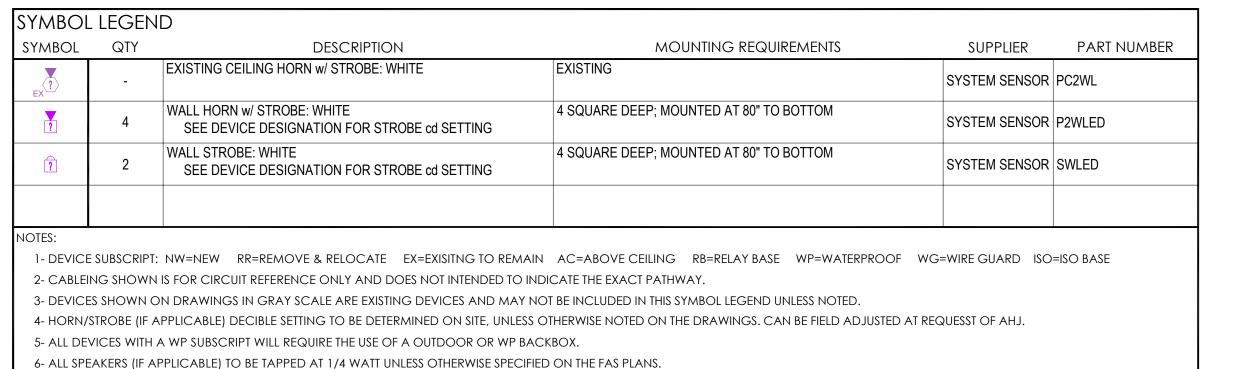
CENTERIS DATA CENTER

FIRE ALARM SYSTEM ADDITION

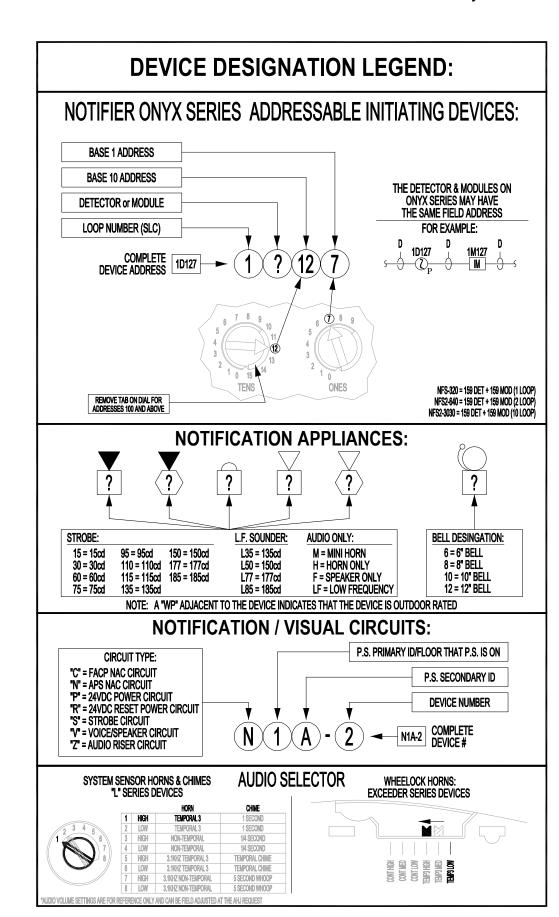
1023 39TH AVE SE, PUYALLUP, WA 98374

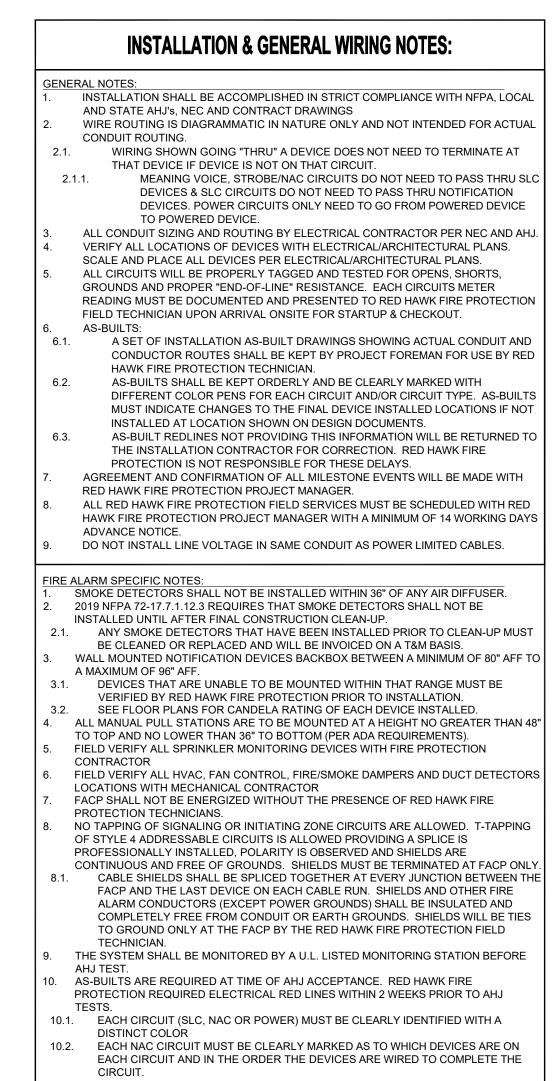


WIRE LE	EGEND							
SYMBOL	DESCRIPTION	THHN	FPL	FPLP	WET	COLOR CODING	CIRCUIT TYPE	NOTES
С	1 PAIR 14AWG FIRE RATED CABLE	YES	972	60993B	AQ226		AUDIBLE (NAC) CIRCUIT	
4 W/IDE				ES. LABEL ALL C				
2- FPLP 3- INST <i>A</i>	MANUFACTURER IS FOR REFERENCE PURPOSE CAN BE USED IN MOST ALL APPLICATIONS WITH ALL WIRING PER NEC. USE CABLE TYPE CONSIS' Y" FIBER OPTIC CABLE LISTED IS A BELDEN CAB	ONLY. WHEN USING THE EXCLUSION OF VICENT WITH NEC REQU	OTHER MANI VET AND CIR IREMENTS, I	UFACTURE, ENS CUIT INTEGRITY E: PLENUM, RIS	SURE PROPE / REQUIREMI ER, UNDERG	ER CROSS REFERENCE ENTS BROUND, ETC.		

FLAGNO	DTES
NOTE #	DESCRIPTION
46	LOOP/EXTEND NAC CIRCUIT TO ADDED DEVICE AND RETURN TO ORIGIN EXISTING NAC DEVICE
67	RELOCATE EXISTING CIRCUIT EOL TO THIS DEVICE

APS Name:	APS-1 (EXISTING)			Circuit Identi	ers:							
Location:	ELECTRICAL ROOM	Standby:	Alarm:	Output #1	Output #2	Output #3	Output #4	Output #5	Output #6	Output #7	Aux	
P.S. Type:	FCPS-24S8	0.0910	0.1450	NAC Sync	NAC Sync	NAC Sync	NAC Sync	Not Used	Not Used	Not Used	Power	
Part #:	Description:			N1A1	N1A2	N1A3	N1A4	X-X	X-X	X-X	X-X	Total Qt
P2WLED (75)	Wall Horn w/ Strobe set at 75cd	0.0000	0.0870	2	2				2121	7,7,	7.7.	4
SWLED (75)	Wall Strobe set at 75cd	0.0000	0.0700	1	1							2
Existing Devices on C	ircuit:											
PC2WL (30)	Ceiling Horn w/ Strobe set at 30cd	0.0000	0.0900	3	3							6
	Existing Circuit Load (Amps):					2.000	2.000					
# Devices per C				6	6	0	0	0	0	0	0	12
Total Standby Circuit Calcula			d Amps (3):	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0910
Total Alarm Circuit Calculated Amps (1): Wire Gauge Used (awg): Circuit Length (ft): Estimated Voltage Drop (dc): Estimated EOL Voltage (dc):				0.514	0.514	2.000	2.000	0.000	0.000	0.000	0.0000	0.1450
				14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	Total
				300	300	300	300	0	0	0	0	Amps
				0.80	0.80	3.12	3.12	0.00	0.00	0.00	0.00	Require
				23.20	23.20	20.88	20.88	24.00	24.00	24.00	24.00	5.028
	Calculated Voltage Drop %:				3.3%	13.0%	13.0%	0.0%	0.0%	0.0%	0.0%	
,	surement based on: UL1971, 16-33V, DC, High db & Devices have the same Measured Current Draw as onfigured for "Doors", Output #4 shutsdown on loss	the Indoor D	Devices and	•								
3) When the APS is c								T-4-1 A	nps Required:	5 000	0/ 11= = -1-	
,	CALC for APS-1 (EXISTING):	NAC P.S. I	Max Rating:	8.000				lotal An	ips Required.	5.028	% Used:	63%
,	CALC for APS-1 (EXISTING): Hours Standby: 24		Max Rating:	8.000 0.0910				Total An		5.028 Required for S	ı	2.18
,		Total Stand	·					Total An	Total Hours		I Standby (AH):	
,	Hours Standby: 24	Total Stand	lby Current:	0.0910				Total An	Total Hours Total Hou	Required for S	Standby (AH): or Alarm (AH):	2.18
,	Hours Standby: 24 Minutes Alarm: 5	Total Stand	lby Current:	0.0910				Total An	Total Hours Total Hou	Required for S	Standby (AH): or Alarm (AH): Needed (AH):	2.18 0.43





SCOPE OF WORK & DESIGN BASIS

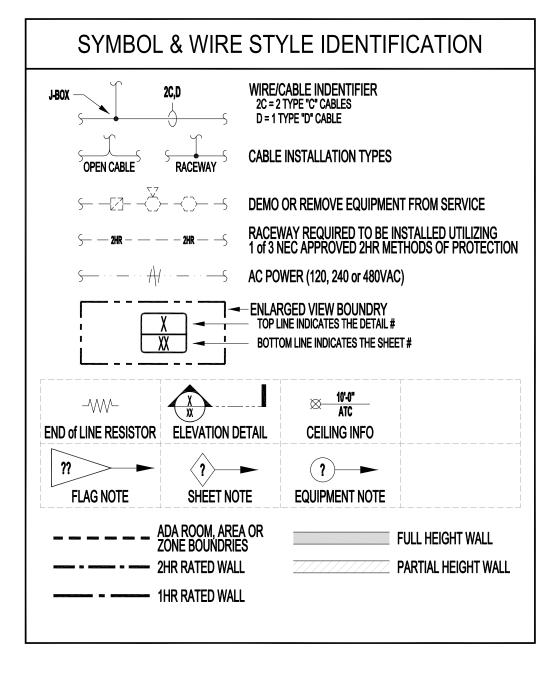
NEW DEVICES ADDED TO EXISTING CIRCUIT TO ENSURE TOTAL COVERAGE AFTER FLOOR PLAN CHANGE. EXISTING NOTIFIER FCPS24-S8 TO BE UTILIZED. NEW DEVICES ADDED TO EXISTING END OF CIRCUIT(S). EOL(S) TO BE RELOCATED TO NEW END OF CIRCUIT(S).

UNCHANGED. AREAS OF WORK SHOWN IN THESE DRAWINGS ARE ONLY

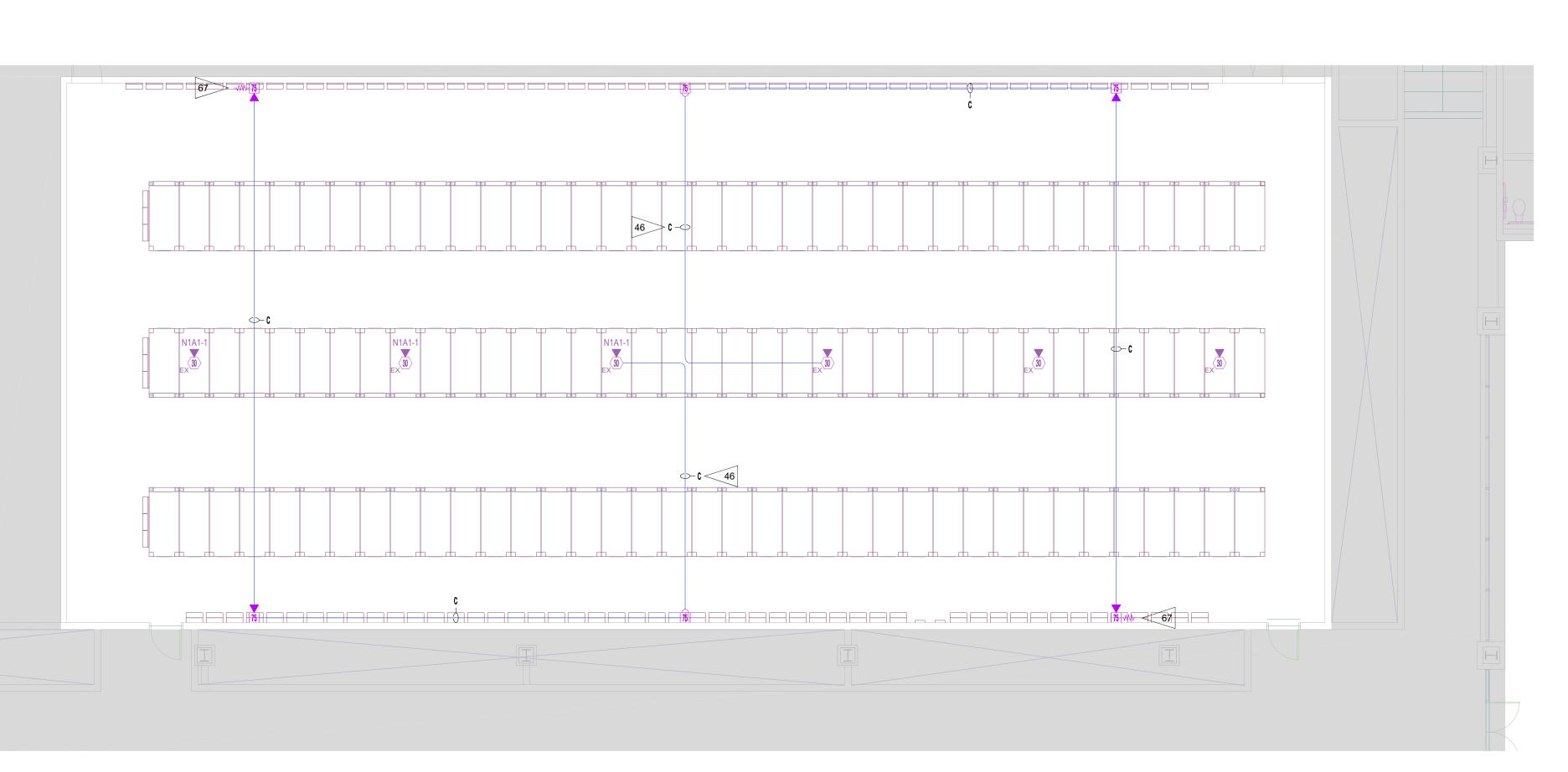
EXISTING SEQUENCE OF OPERATIONS TO REMAIN IN PLACE AND

AREAS WITHIN RED HAWK FIRE PROTECTION'S SCOPE.















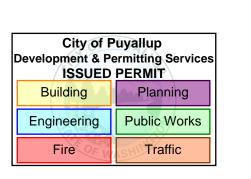
NICET
CERTIFICATION

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

O 04/17/2025 SDF PERMIT SUBMITTAL SET

Contract With

BURKE ELECTRIC

12605 44TH PL S TUKWILA, WA 98178

Contract Name

CENTERIS DATA CENTER

1023 39TH AVE SE PUYALLUP, WA 98374

FIRE ALARM SYSTEM ADDITION

PROJECT INFO,
CALCULATIONS &
FAS LAYOUT

Key Plan

b Number: 390070
signer: SEAN D. FODOR

FA-1.00 SHEET 1 OF 1