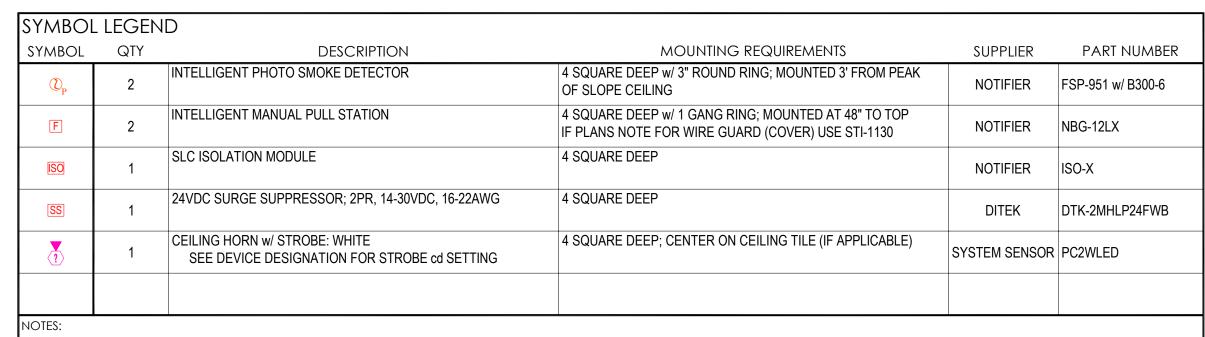
CENTERIS SOUTH YARD

FAS SYSTEM ADDITION

1023 39TH AVENUE SE, PUYALLUP, WA 98374



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

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 DEVICES SHOWN ON DRAWINGS IN CRAYSCALE ARE EXISTING DEVICES AND MAY NOT BE INCLUDED IN THIS SYMBOL LEGEND LINLESS NOTE!
- 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 (IF APPLICABLE) 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.
 6- ALL SPEAKERS (IF APPLICABLE) TO BE TAPPED AT 1/4 WATT UNLESS OTHERWISE SPECIFIED ON THE FAS PLANS.

WIRE LE	GEND							
SYMBOL	DESCRIPTION	THHN	FPL	FPLP	WET	COLOR CODING	CIRCUIT TYPE	NOT
С	1 PAIR 14AWG FIRE RATED CABLE	YES	972	60993B	AQ226		AUDIBLE (NAC) CIRCUIT	
D	1 PAIR 16AWG FIRE RATED CABLE		971	60991B	AQ225		DATA (SLC) CIRCUIT	
NOTES:		·		•	•	•	·	·

** DIFFERENT COLORS/STRIPE COMBINATIONS TO BE USED FOR DIFFERENT CIRCUIT TYPES. LABEL ALL CIRCUITS ACCORDINGLY

1- WIRE MANUFACTURER IS FOR REFERENCE PURPOSE ONLY. WHEN USING OTHER MANUFACTURE, ENSURE PROPER CROSS REFERENCE

2- FPLP CAN BE USED IN MOST ALL APPLICATIONS WITH THE EXCLUSION OF WET AND CIRCUIT INTEGRITY REQUIREMENTS

3- INSTALL WIRING PER NEC. USE CABLE TYPE CONSISTENT WITH NEC REQUIREMENTS, IE: PLENUM, RISER, UNDERGROUND, ETC.

4- THE "Y" FIBER OPTIC CABLE LISTED IS A BELDEN CABLE PART NUMBER AS WEST PENN NO LONGER SUPPORTS FIBER OPTIC CABLE

DEVICE ADDRESS ARE TO BE ASSIGNED BY FA CONTRACTOR & SET BY ELECTRICIAN FIELD TECHNICIAN ONCE ON-SITE

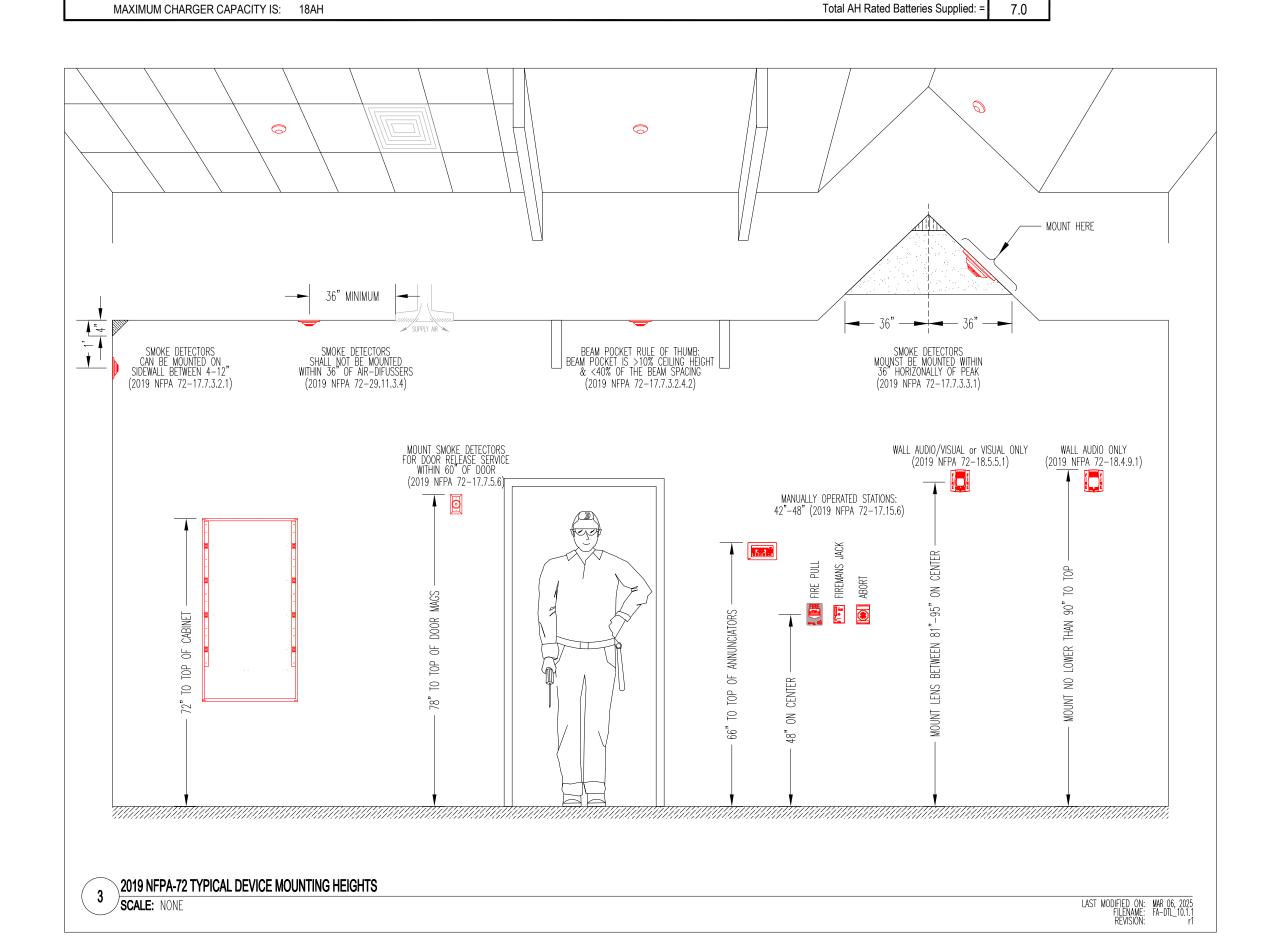
Spare Battery Load Factor: 25%

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

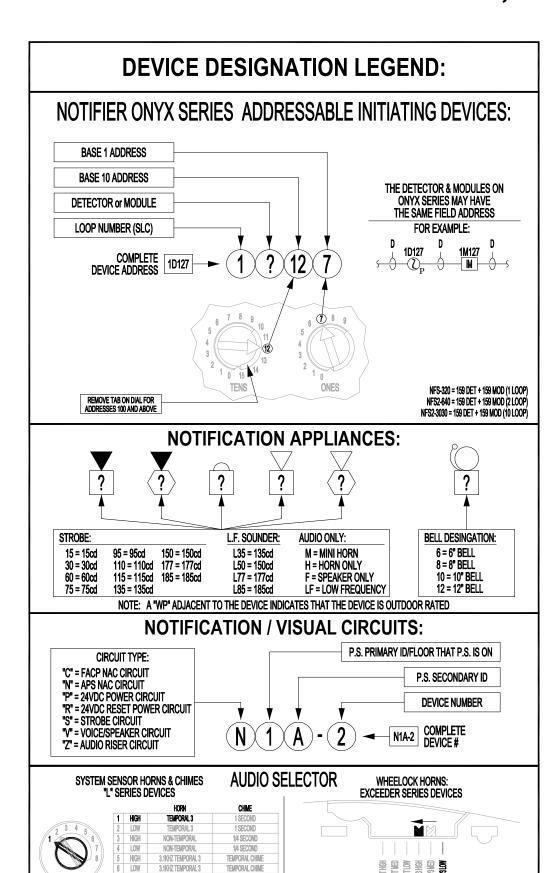
FLAGNOTES

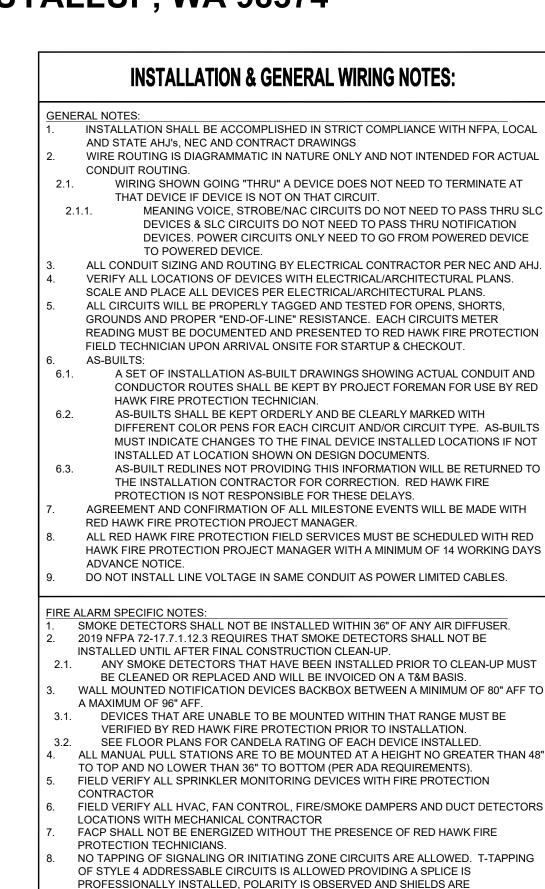
31 MOUNT AREA SMOKE DETECTOR ON CEILING WITHIN 36" HORIZONTALLY OF SLOPED CEILING PEAK.

APS Name:	PS Name: APS-1C (EXISTING)				fers:							
Location:	MDF-102	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:			N1C1	N1C2	N1C3	N1C4	X-X	X-X	X-X	X-X	Total Qt
C2WLED (95)	Ceiling Horn w/ Strobe set at 95cd	0.0000	0.0920				1					1
	Existing Circuit		· · ·	0.710	0.590	0.680						
# Devices per Circuit:			0	0	0	1	0	0	0	0	1	
Total Standby Circuit Calculated 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):				0.710	0.590	0.680	0.092	0.000	0.000	0.000	0.0000	0.1450
Wire Gauge Used (awg):			14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	Total	
Circuit Length (ft):			300	300	300	300	0	0	0	0	Amps	
Estimated Voltage Drop (dc):				1.11	0.92	1.06	0.14	0.00	0.00	0.00	0.00	Require
Estimated EOL Voltage (dc): Calculated Voltage Drop %:												2.072
				4.6%	3.8%	4.4%	0.6%	0.0%	0.0%	0.0%	0.0%	
			• ,	22.89 4.6%	23.08 3.8%	22.94 4.4%	23.86	24.00	24.00	24.00 0.0%	24.00 0.0%	
Some Outdoor/WP	urement based on: UL1971, 16-33V, DC, High db & Devices have the same Measured Current Draw as onfigured for "Doors", Output #4 shutsdown on loss	s the Indoor D	Devices and	•								
) Some Outdoor/WP) When the APS is co	Devices have the same Measured Current Draw as	s the Indoor D	evices and Therefore	•				Total An	nps Required:	2.072	% Used:	26%



Actual Battery Size Required (AH):





CONTINUOUS AND FREE OF GROUNDS. SHIELDS MUST BE TERMINATED AT FACP ONLY.

CABLE SHIELDS SHALL BE SPLICED TOGETHER AT EVERY JUNCTION BETWEEN THE

FACP AND THE LAST DEVICE ON EACH CABLE RUN. SHIELDS AND OTHER FIRE ALARM CONDUCTORS (EXCEPT POWER GROUNDS) SHALL BE INSULATED AND

THE SYSTEM SHALL BE MONITORED BY A U.L. LISTED MONITORING STATION BEFORE

EACH CIRCUIT AND IN THE ORDER THE DEVICES ARE WIRED TO COMPLETE THE

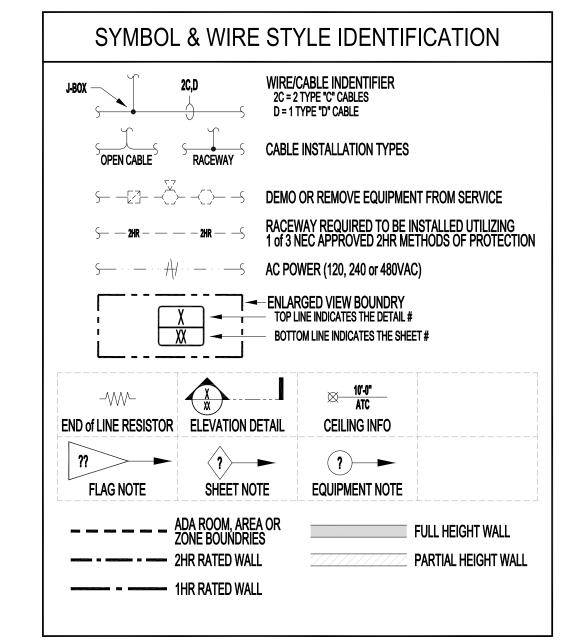
AS-BUILTS ARE REQUIRED AT TIME OF AHJ ACCEPTANCE. RED HAWK FIRE PROTECTION REQUIRED ELECTRICAL RED LINES WITHIN 2 WEEKS PRIOR TO AHJ

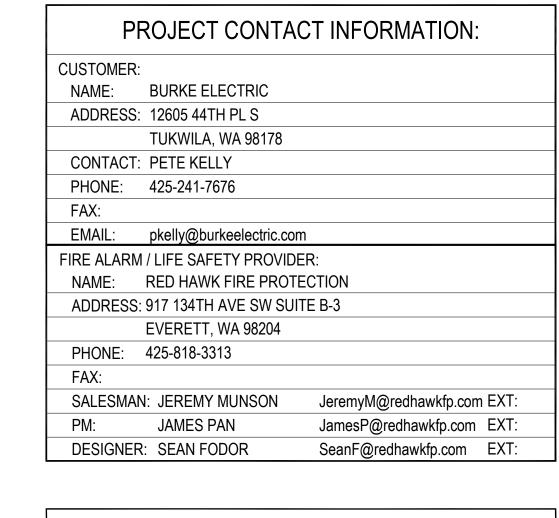
10.1. EACH CIRCUIT (SLC, NAC OR POWER) MUST BE CLEARLY IDENTIFIED WITH A DISTINCT COLOR

10.2. EACH NAC CIRCUIT MUST BE CLEARLY MARKED AS TO WHICH DEVICES ARE ON

TECHNICIAN.

COMPLETELY FREE FROM CONDUIT OR EARTH GROUNDS. SHIELDS WILL BE TIES TO GROUND ONLY AT THE FACP BY THE RED HAWK FIRE PROTECTION FIELD



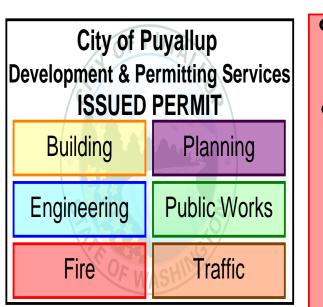


SCOPE OF WORK & DESIGN BASIS

FIRE ALARM SYSTEM ADDITION. NOTIFICATION, DETECTION AND INITIATION DEVICES TO BE ADDED IN NEWLY ADDED BUILDING. NOTIFICATION DEVICE ADDED TO EXISTING POWER SUPPLY TO OPEN, SPARE CIRCUIT. EXISTING SEQUENCE OF OPERATIONS TO REMAIN IN PLACE AND UNCHANGED. AREAS OF WORK SHOWN IN THESE DRAWINGS ARE ONLY AREAS WITHIN RED HAWK'S SCOPE. ALL NEW DEVICES WILL BE ADDRESSED ONSITE. 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.



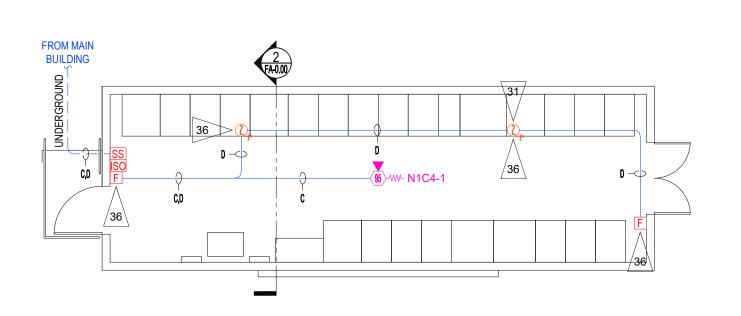
AREA OF WORK



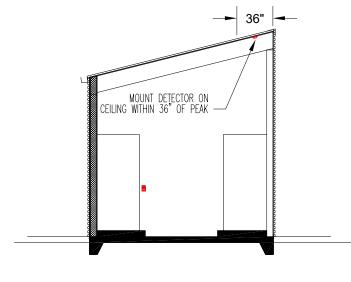


THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

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.







2 EAST SECTION VIEW SCALE: NOT TO SCALE

Ever Vigilant

917 134TH AVE SW, STE B-3
EVERETT, WA 98204
PHONE: (425) 818-3313
WA CL# REDHAHF901QP
WA EL# REDHAHF803QD

T Stamp

NICET
CERTIFICATION
THESE FIRE ALARM DRAWINGS

RED HAWK

FIRE PROTECTION, LLC

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

Contract With

ISSUE DATE BY DESCRIPTION

03/24/2025 SDF PERMIT SUBMITTAL SET

Revisions

BURKE ELECTRIC

12605 44TH PL S TUKWILA, WA 98178

Contract Name

CENTERIS SOUTH YARD

> 1023 39TH AVENUE SE PUYALLUP, WA 98374

FAS SYSTEM ADDITION

PROJECT INFO, DETAILS, CALCS & FAS LAYOUT FLOOR PLAN

Key Plan

SCALE: \frac{1}{8}" = 1'-0" 8 6 4 2 0 Date: 03/24/2025

Job Number: 390057

Designer: SEAN D. FODOR

Building Permit: -

FA-0.00SHEET 1 OF 1