

DRAWING DIRECTORY	
SHEET #:	SHEET TITLE:
FA0.01	COVER SHEET, BILL OF MATERIALS AND GENERAL INFORMATION
FA1.01	LEVEL 2 DEVICE LAYOUT
FA1.02	LEVEL 3 DEVICE LAYOUT

CONSULTANTS
PROJECT NAME: CENTERIS ROW D 1023 39TH AVE. SE. PUYALLUP, WA 98374 FIRE ALARM SUPPLIER: REDHAWK FIRE PROTECTION 801 VALLEY AVE. N.W. PUYALLUP, WA 98371 PHONE: (253)840-9900 REDHAWKFP.COM REFERENCES: NFPA 70 NATIONAL ELECTRICAL CODE (2022) NFPA 72 NATIONAL FIRE CODE (2022) UL-864 AND OTHER APPLICABLE STANDARDS COMPLETE FIRE PROTECTION SYSTEM, UL LISTED CONFORM TO REQUIREMENTS OF NFPA APPLICABLE SECTIONS THE AMERICAN DISABILITIES ACT (ADA) CITY OF PUYALLUP FIRE CODE (2021) ALL MANUFACTURER GUIDELINES AND REQUIREMENTS

CENTERIS ROW D
FIRE ALARM SYSTEM TI
1023 39TH AVE. SE.
PUYALLUP, WA 98374

SCOPE OF WORK:
RED HAWK FIRE PROTECTION WILL BE MODIFYING THE EXITING FIRE ALARM SYSTEM. A NEW AHU HAS BEEN INSTALLED WITH A FACTORY INSTALLED DUCT DETECTOR.
1. INSTALL ONE MONITOR MODULE TO SUPERVISE THE FACTORY DUCT SMOKE DETECTOR. 2. INSTALL ONE RELAY MODULE TO SHUTDOWN THE AHU IF THE DUCT DETECTOR IS IN ALARM. 3. RELOCATE 5 NOTIFICATION DEVICES FROM THE CEILING TO THE WALL AS SHOWN.
ALL NOTIFICATION WILL BE INSTALLED TO MEET NFPA 72 AND LOCAL JURISDICTION REQUIREMENTS.
NOTE THE BUILDING HAS COMPLETE FIRE SUPPRESSION COVERAGE.

THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION OF RED HAWK FIRE PROTECTION. ALL RIGHTS ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A TRUST RELATIONSHIP FOR USE IN CONSIDERING THE PURCHASE OF THE EQUIPMENT DESCRIBED HEREON FROM RED HAWK FIRE PROTECTION. THIS DRAWING IS NOT TO BE USED FOR ANY OTHER PURPOSE NOR COPIED IN WHOLE OR PART NOR IT'S DESIGN FEATURES USED IN OTHER PRODUCTS WITHOUT OUR WRITTEN CONSENT. IT IS TO BE RETURNED WHEN NO LONGER REQUIRED, OR UPON REQUEST.			
SYMBOL	QTY.	PART NUMBER	DESCRIPTION
NEW FIRE ALARM DEVICES TO BE PROVIDED BY RED HAWK FIRE PROTECTION			
FACP	1	NFS2-3030	FIRE ALARM CONTROL ROOM (FACP) (EXISTING)
	1	12V35AH	12VDC 35AHR BATTERIES
RM	1	FRM-1	ADDRESSABLE RELAY MODULE
MM	1	FMM-1	ADDRESSABLE INPUT MONITOR MODULE
CD	5	P2RLED	HORN/STROBES (WALL MOUNT)(CD=CANDELA RATING)

City of Puyallup
Fire
REVIEWED
FOR
COMPLIANCE

DDrake
06/29/2026
10:52:51 AM

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.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

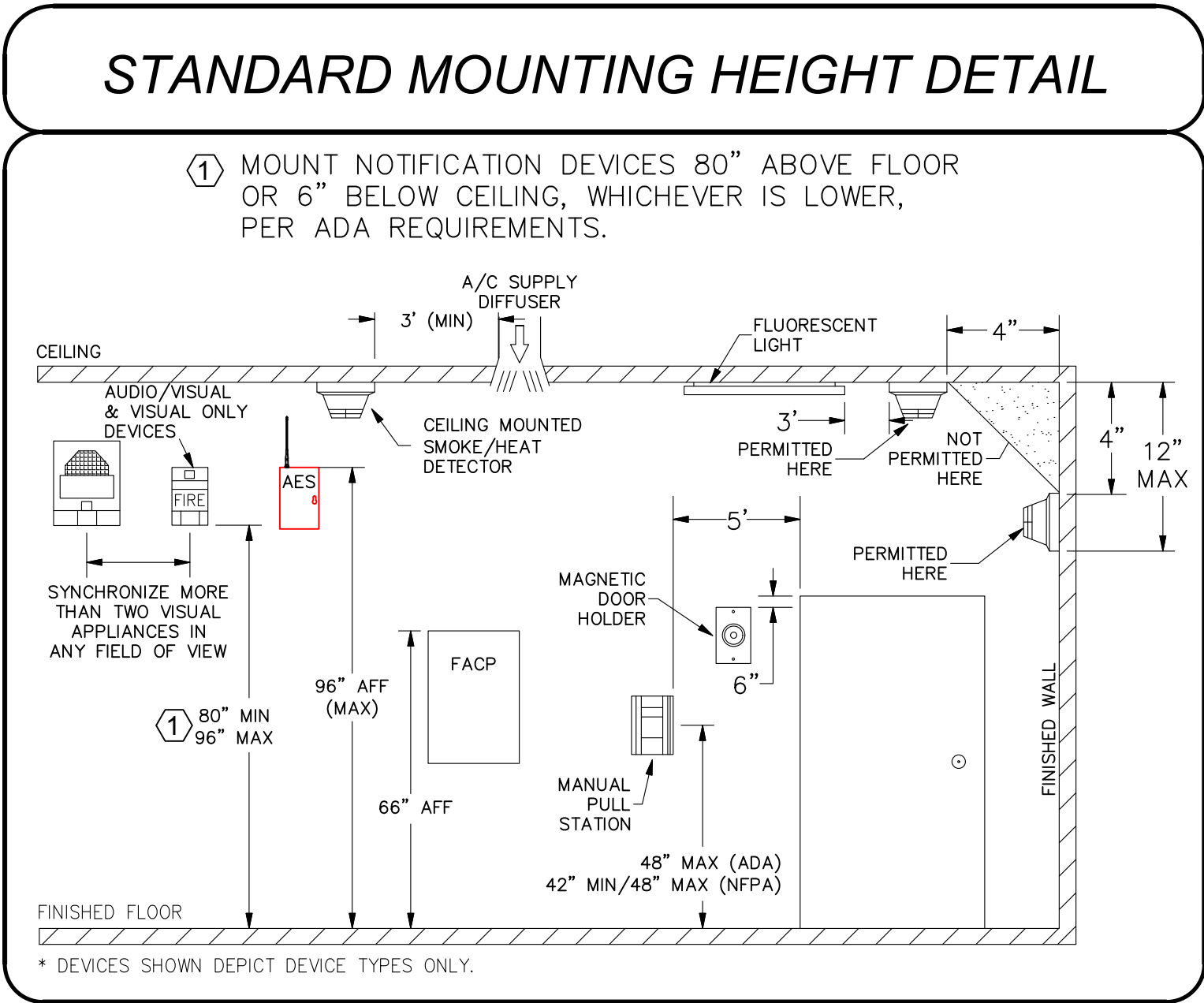
917 134TH St. SW. Ste. B-3
Everett, WA 98204
Phone: (425)818-3313
WA CL# REDHAWF803QDD

Revisions

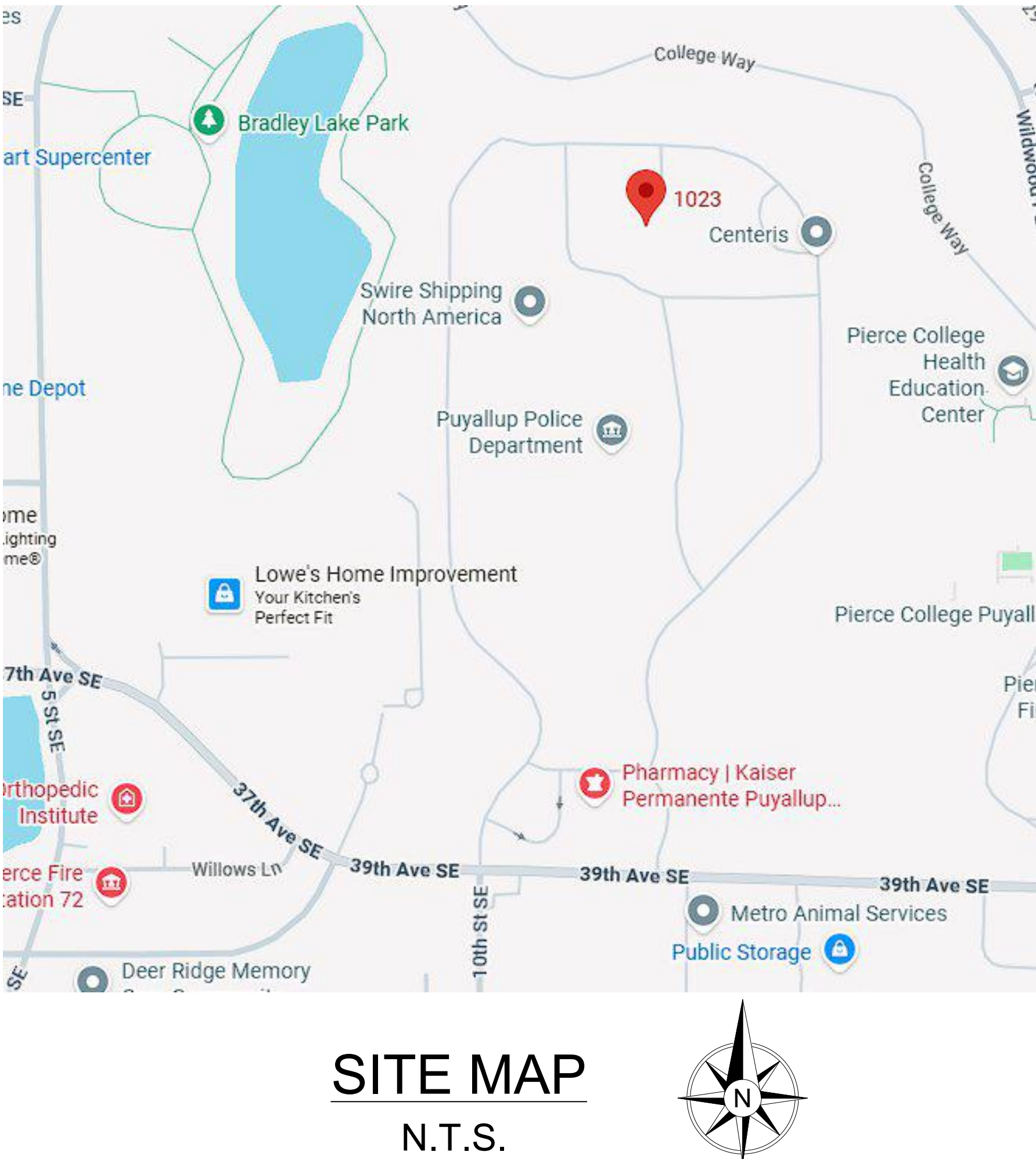
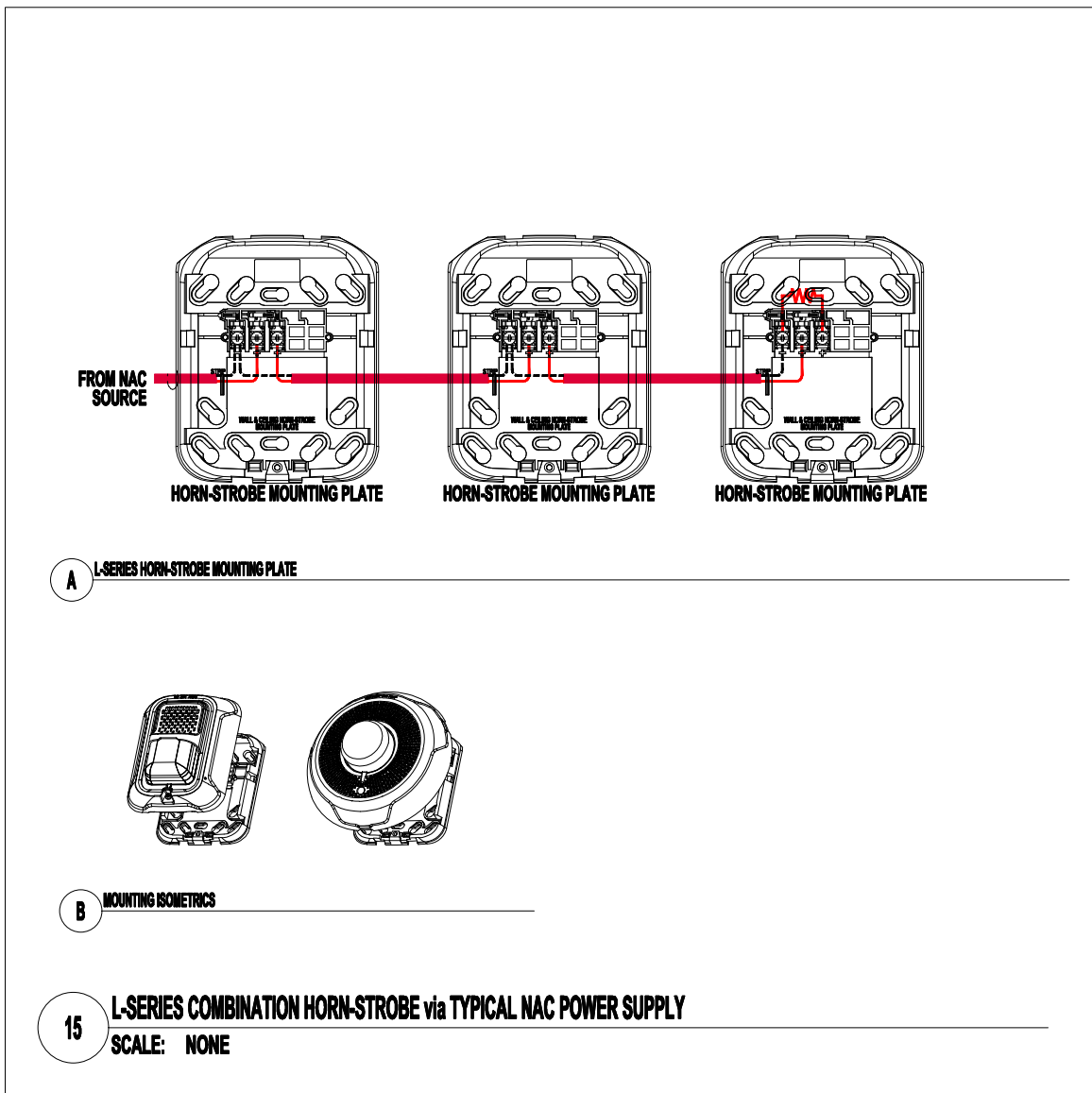
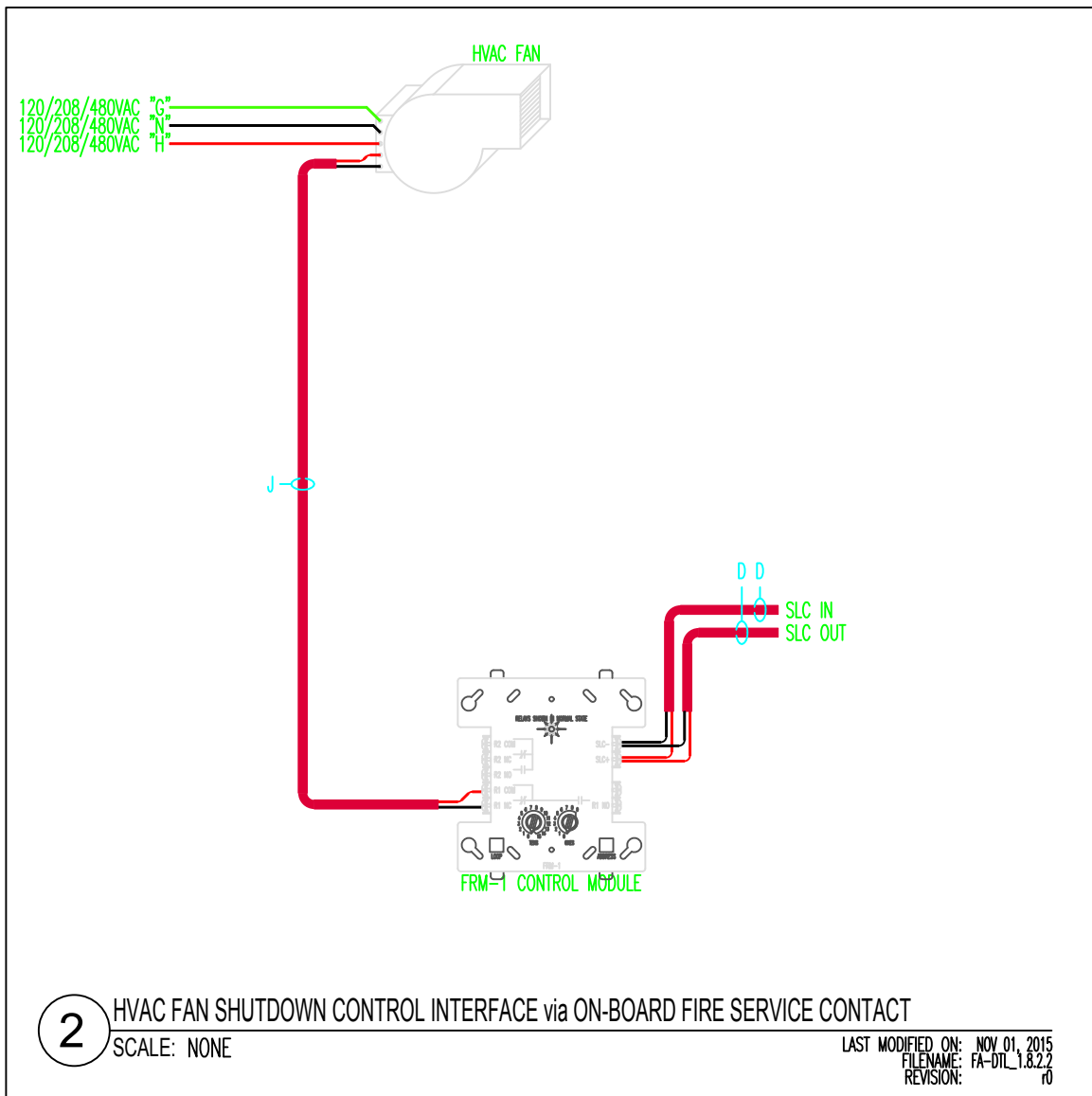
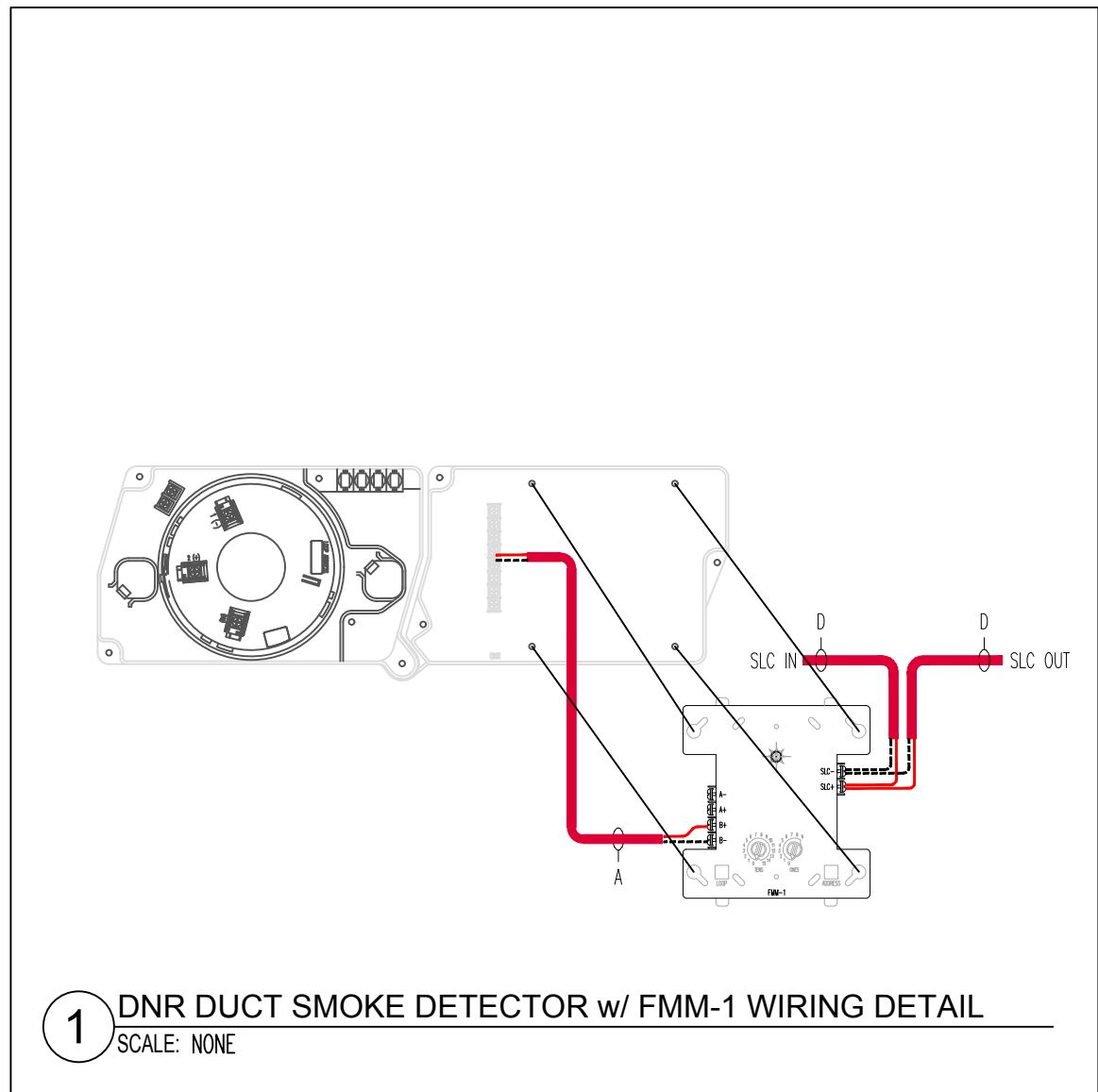
ISSUE	DATE	BY	DESCRIPTION
1	05/22/26	JS	PERMIT SUBMITTAL SET

Contract With

BURKE ELECTRIC
12065 44TH PI S.
TUKWILA, WA 98178



FACP Battery Load & Back-up Calculation				FACP	
Control Panel: FACP Location: ON-SITE FACP Type: AMPS-24 (Panel PS)				Each Standby	Each Alarm
Line #	Qty	Part #	Description	Total Standby	Total Alarm
1	1	CPU2-3030D	Fire Alarm Control Panel: 10 SLC Loops, 3180 SLC Devices	0.3400	0.3400
2	2	LCM-320	SLC Loop Control Module	0.1300	0.1300
3	2	LEM-320	SLC Loop Expander Control Module	0.1000	0.1000
4	257	FSP-951	Intelligent Photoelectric Smoke Detector: White	0.0002	0.0045
5	1	FSI-851	Intelligent Ionization Smoke Detector: White	0.0003	0.0065
6	3	FST-951	Intelligent Heat Detector - 135° Fixed Temp: White	0.0002	0.0045
7	261	B300-6	Intelligent Detector Base: White	0.0000	0.0000
8	12	OSI-90	Beam Detector Imager	0.0070	0.0070
9	87	DNR	Duct Detector Housing	0.0000	0.0000
10	87	FSP-951R	Intelligent Photoelectric Smoke Detector	0.0003	0.0065
11	44	NBG-12LX	Addressable Manual Pull Station	0.0004	0.0050
12	17	FMM-1	Addressable Monitor Module	0.0004	0.0050
13	1	FMM-101	Addressable Mini Monitor Module	0.0004	0.0004
14	33	FDM-1	Addressable Dual Monitor Module	0.0002	0.0064
15	102	FCM-1	Addressable Control Module (NAC)	0.0004	0.0065
16	33	FRM-1	Addressable Relay Module	0.0002	0.0065
17	2	XP10-M	XP Module - 10 Class A/B Inputs	0.0035	0.0050
Total Current Draw:				1.0483	4.1186
BATTERY LOAD CALC for FACP:				FACP Max P.S. Rating: 5,000	Total Amps Required: 4,119
Hours Standby: 24				Total Standby Current: 1.0483	Total Amp Hours Required (AH): 25.1
Minutes Alarm: 5				Total Alarm Current: 4.1186	Total Amp Minutes Required (AH): 0.3
Backup Generator? Unknown				Spare Circuit Capacity: 20%	Minimum Battery Size Needed (AH): 25.5
Voice Evacuation? No				Spare Battery Load Factor: 25%	Spare Battery Capacity Required: 6.4
Military? No					Actual Battery Size Required (AH): 31.9
MAXIMUM CHARGER CAPACITY IS: 200 AH				Total AH Rated Batteries Supplied: = 35.0	



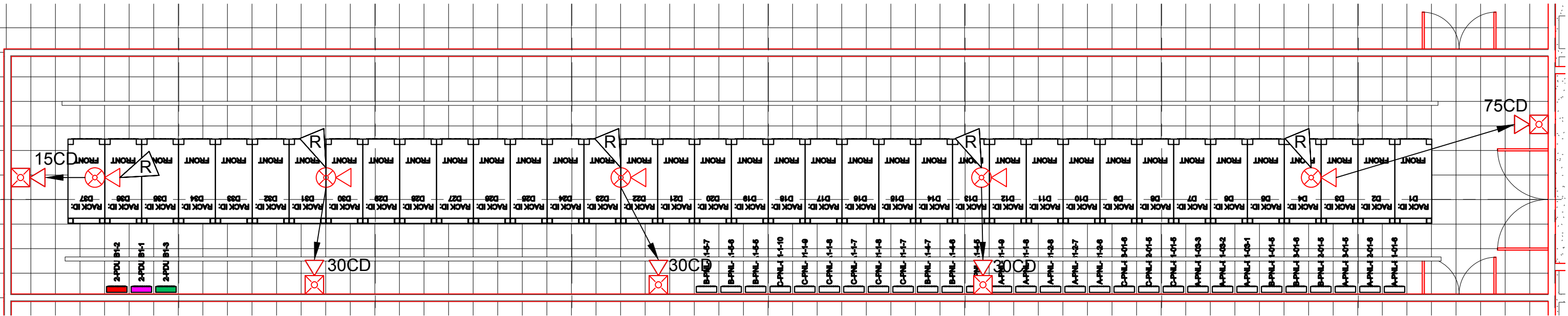
Date:	05/22/26
Job Number:	390123
Designer:	FAS DESIGN
Building Permit:	-
Sheet Number	

TAG DESCRIPTIONS	
TAG SYMBOL	DESCRIPTION
A	DEVICE TO BE ADDED
C	DEVICE TO BE CHANGED OUT
D	DEVICE TO BE REMOVED
E	EXISTING DEVICE
R	DEVICE TO BE RELOCATED

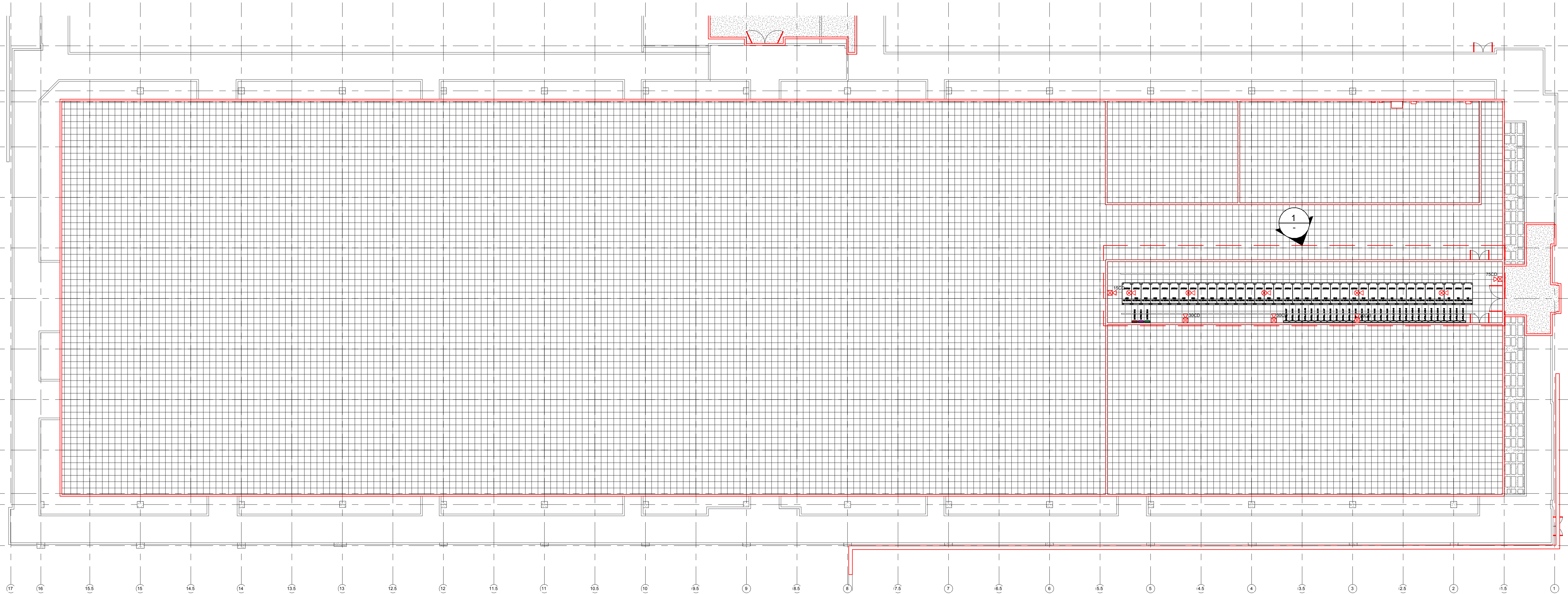
WIRE TAG DESCRIPTION		
CIRCUIT ID	CIRCUIT DESCRIPTION	WIRE DESCRIPTION
B	FACP SBUS CIRCUIT	4 CONDUCTOR, 16 AWG - FPLP
C	FACP VBUS CIRCUIT	4 CONDUCTOR, 16 AWG - FPLP
D	FACP SLC CIRCUIT	2 CONDUCTOR, 16 AWG - FPLP
N	NAC CIRCUIT	2 CONDUCTOR, 14 AWG - FPLP
P	AUX CIRCUIT	2 CONDUCTOR, 14 AWG - FPLP
V	VOICE CIRCUIT	2 CONDUCTOR, 16 AWG - FPLP
Z	EQUIPMENT INTERFACE CKT.	CONTRACTORS EQUIPMENT WIRING

LEGEND	
	DUCT SMOKE DETECTOR (EXISTING)
	ADDRESSABLE DUAL RELAY MODULE
	ADDRESSABLE INPUT MONITOR MODULE
	HORN/STROBES (WALL MOUNT)(CD=CANDELA RATING)
	SECTION DETAIL REFERENCE
#	# - DETAIL NUMBER
XXX	XXX - SHEET NUMBER

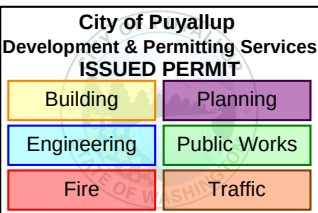
NATIONAL ELECTRICAL CODE CABLE MARKINGS		
TABLE 760-71(h)		
CABLE MARKING	TYPE	LISTING REFERENCES
FPLP	POWER-LIMITED FIRE ALARM PLENUM CABLE	SECTIONS 760-71(b) AND (f)
FPLR	POWER-LIMITED FIRE ALARM RISER CABLE	SECTIONS 760-71(e) AND (h)
FPL	POWER-LIMITED FIRE ALARM CABLE	SECTIONS 760-71(e) AND (h)
FPLP SHALL BE USED IN PLENUM CEILINGS. FPLR SHALL BE USED WHEN PASSING THROUGH FLOORS. FPL SHALL BE USED ONLY IN NON-PLENUM AREAS.		



1 LEVEL 2 ROW D
SCALE: 1/8"=1'

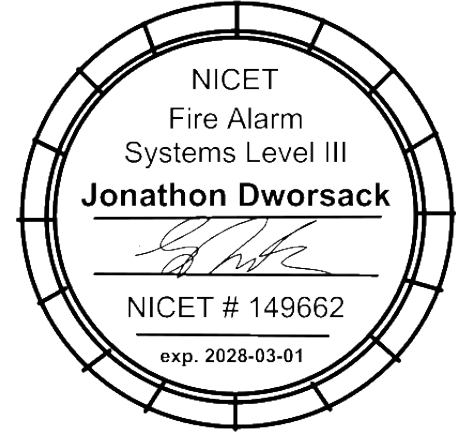


LEVEL 2 KEY MAP
SCALE: 1/16"=1'



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Phone: (425)818-3313
WA CL# REDHAWF803QD

NICET Stamp



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12065 44TH PI S.
TUKWILA, WA 98178

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CENTERIS ROW D
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PUYALLUP, WA 98374

FIRE ALARM SYSTEM - TI

Sheet Title

LEVEL 2 ROW D
DEVICE LAYOUT

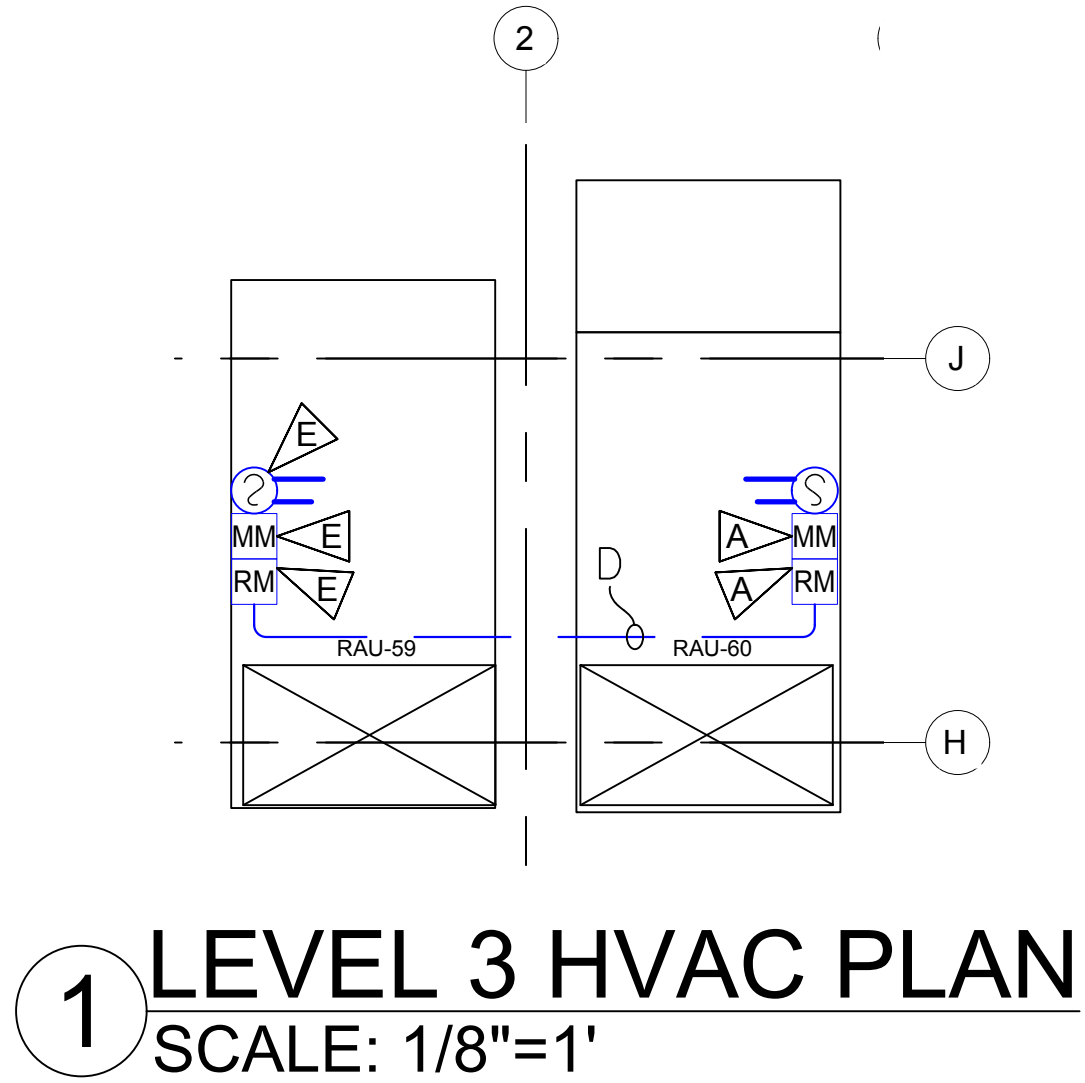
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Designer: FAS DESIGN

Building Permit: -

Sheet Number

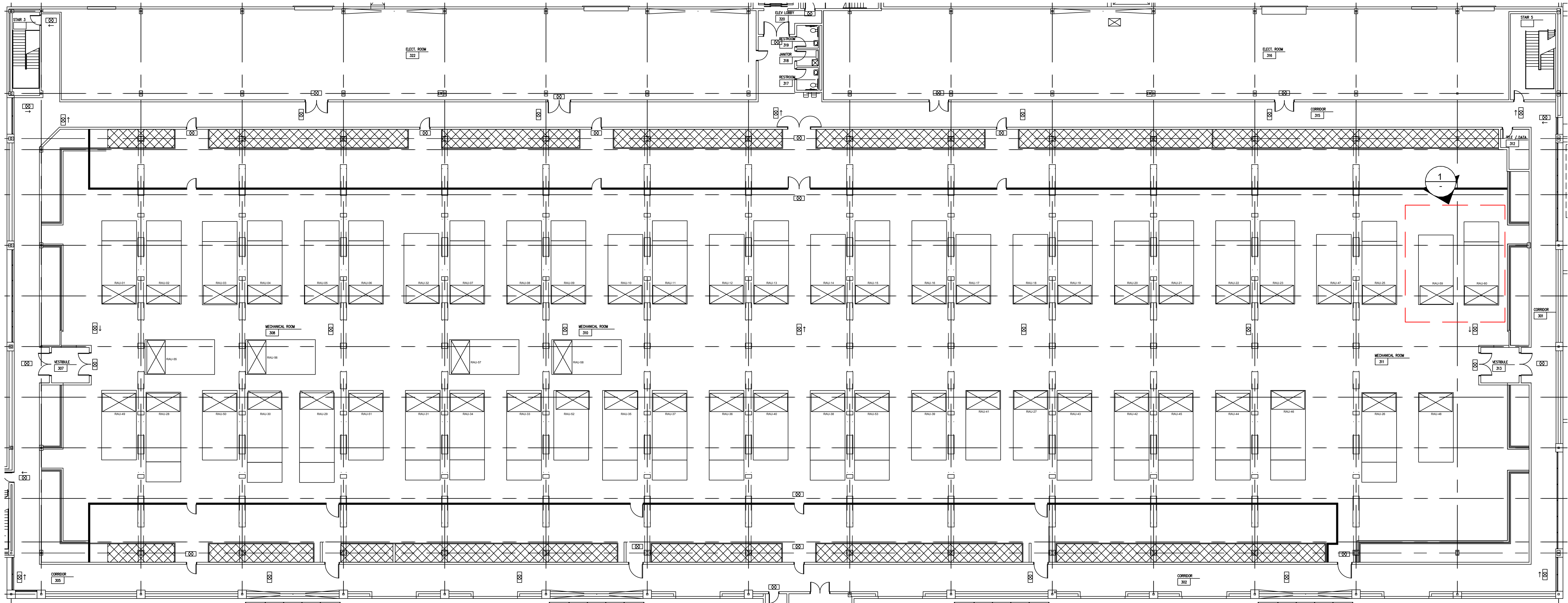


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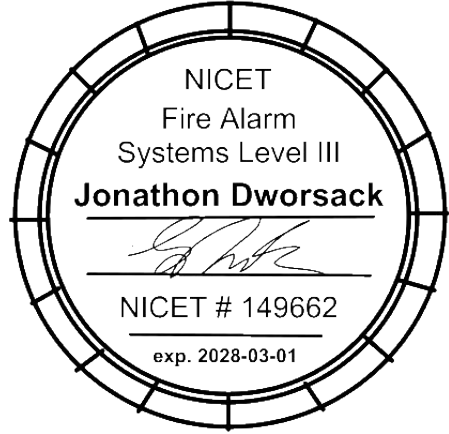


LEVEL 3 KEY MAP
SCALE: 1/16"=1'



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FIRE ALARM SYSTEM - TI

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DEVICE LAYOUT

Date: 05/22/26
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FA1.01