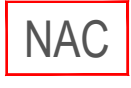
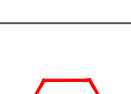
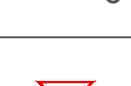
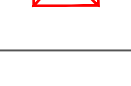


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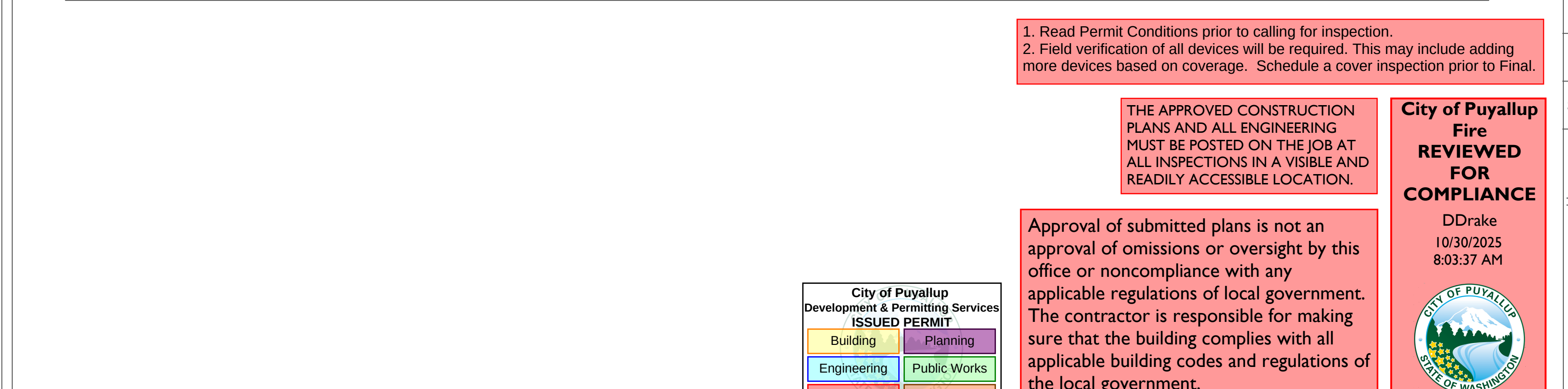
QTY	SYMBOL	DESCRIPTION	MODEL NUMBER	SUPPLIER	MOUNTING HEIGHT
1	 E	FIRE ALARM CONTROL PANEL (EXISTING)	SK-6820	SILENT KNIGHT	66" A.F.F TO THE TOP
2	 NAC	REMOTE BOOSTER POWER SUPPLY	HPF PS-10	HONEYWELL	66" A.F.F TO THE TOP
1	 E	FIRE ALARM AUNNCIATOR (EXISTING)	SK-6860	SILENT KNIGHT	VERIFY IN FILED LOCATION
177	 P	SMOKE DETECTOR (ADDRESSABLE)	SK-PHOTO	SILENT KNIGHT	CEILING
136	 P ^{AC}	SMOKE DETECTOR (ADDRESSABLE) (ABOVE CEILING)	SK-PHOTO	SILENT KNIGHT	CEILING
E(1)	 E	PULL STATION (ADDRESSABLE)	SK-PULL	SILENT KNIGHT	42" TO THE BOTTOM
1	 D	DUAL INPUT MONITOR MODULE	SK-MONITOR-2	SILENT KNIGHT	VERIFY IN FIELD LOCATION
19	 R	SINGLE INPUT SINGLE OUTPUT	SK- RELAY	SILENT KNIGHT	VERIFY IN FIELD LOCATION
7	 M	SINGLE INPUT MONITOR MODULE	SK-MONITOR	SILENT KNIGHT	VERIFY IN FIELD LOCATION
2	 C	SINGLE INPUT CONTROL MODULE	SK-CONTROL	SILENT KNIGHT	VERIFY IN FIELD LOCATION
33	 C	FIRE ALARM HORN STROBE	PC2WL	SYSTEM SENSOR	CEILING
13	 C	FIRE ALARM HORN STROBE	P2WL	SYSTEM SENSOR	WALL MOUNT
42	 C	FIRE ALARM STROBE	SCWL	SYSTEM SENSOR	CEILING
...	E	EXISTING TO REMAIN	...	...	VERIFY IN FIELD LOCATION
...	RE	FIRE ALARM RESISTANCE	...	...	VERIFY IN FIELD LOCATION
...	A.F.F	ABOVE FINISHED FLOOR	...	...	VERIFY IN FIELD LOCATION
	 WF	WATERFLOW SWITCH	...	...	VERIFY IN FIELD LOCATION
	 TS	TAMPER SWITCH	...	...	VERIFY IN FIELD LOCATION
	 H/L	HIGH / LOW AIR SWITCH	...	...	VERIFY IN FIELD LOCATION
		END OF LINE RESISTANCE			VERIFY IN FIELD LOCATION

WIRE DESIGNATION			
SYMBOL	CIRCUIT TYPE	DESCRIPTION	TYPE
D	SLC ADDRESSABLE LINE	16/2AWG FIRE RATED CABLE	60991B(FPLP)
S	STROBE CIRCUIT	14/2AWG FIRE RATED CABLE	60993B(FPLP)
P	24VDC POWER	14/2AWG FIRE RATED CABLE	60993B(FPLP)
I	REMOTE INDICATOR CIRCUIT	18/4AWG FIRE RATED CABLE	60983B(FPLP)
M	MICROPHONE CIRCUIT	16/2AWG SHIELDED FIRE RATED CABLE	D60990(FPLP)
G	485 NETWORK CIRCUIT	16/2AWG SHIELDED FIRE RATED CABLE	D60990(FPLP)
H	RDP NETWORK CIRCUIT	16/2AWG SHIELDED FIRE RATED CABLE	D60990(FPLP)
X	PANEL NETWORK CIRCUIT	16/2AWG SHIELDED FIRE RATED CABLE	D60990(FPLP)

NOTES:

** STRIPES ARE NOT REQUIRED, HOWEVER IT DOES MAKE IT EASIER FOR CIRCUIT IDENTIFICATION.

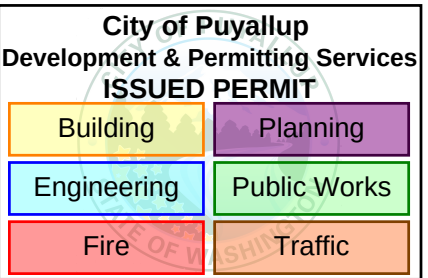
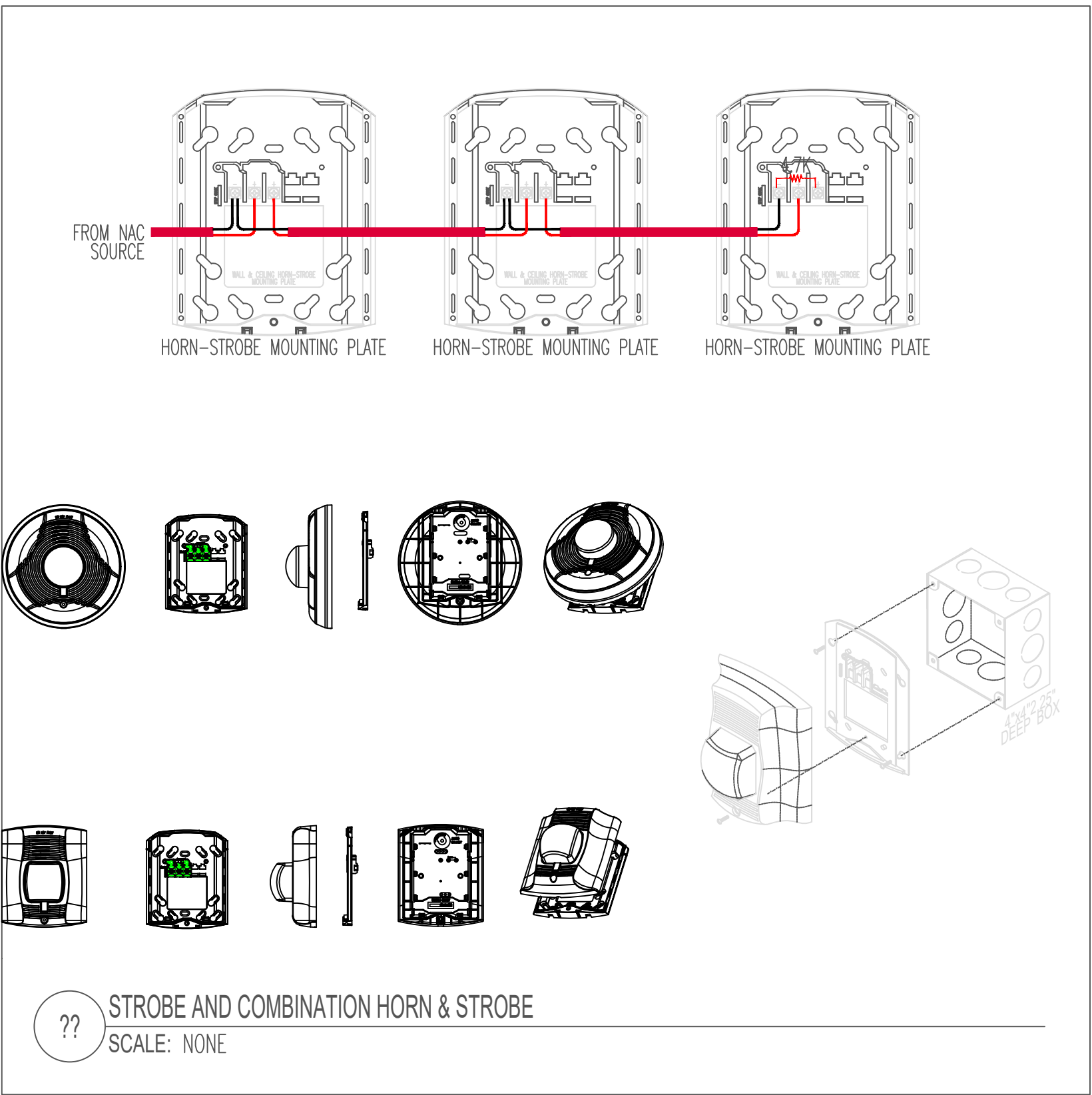
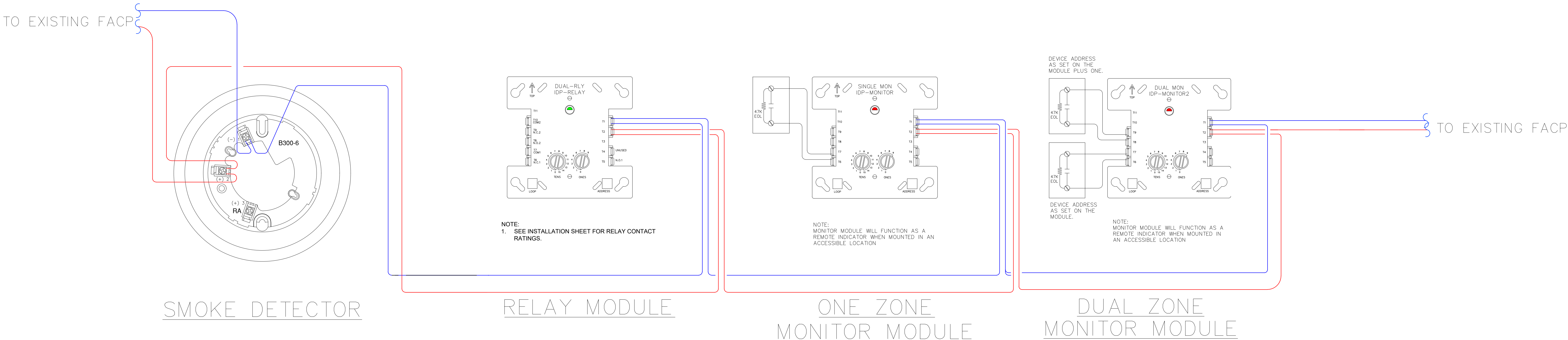
1. WIRE MANUFACTURER IS FOR REFERENCE PURPOSE ONLY. WHEN USING OTHER MANUFACTURE, ENSURE PROPER CROSS REFERENCE
2. FPLP CAN BE USED IN MOST ALL APPLICATIONS WITH THE EXCLUSION OF WET AND CIRCUIT INTEGRITY REQUIREMENTS
3. INSTALL WIRING PER NEC. USE CABLE TYPE CONSISTENT WITH NEC REQUIREMENTS, IE: PLENUM, RISER, UNDERGROUND, ETC.



SHOP DRAWINGS	06/24/25	
ADD/REVISIONS	09/30/25	
	MID Y	
	MID Y	
	MID Y	

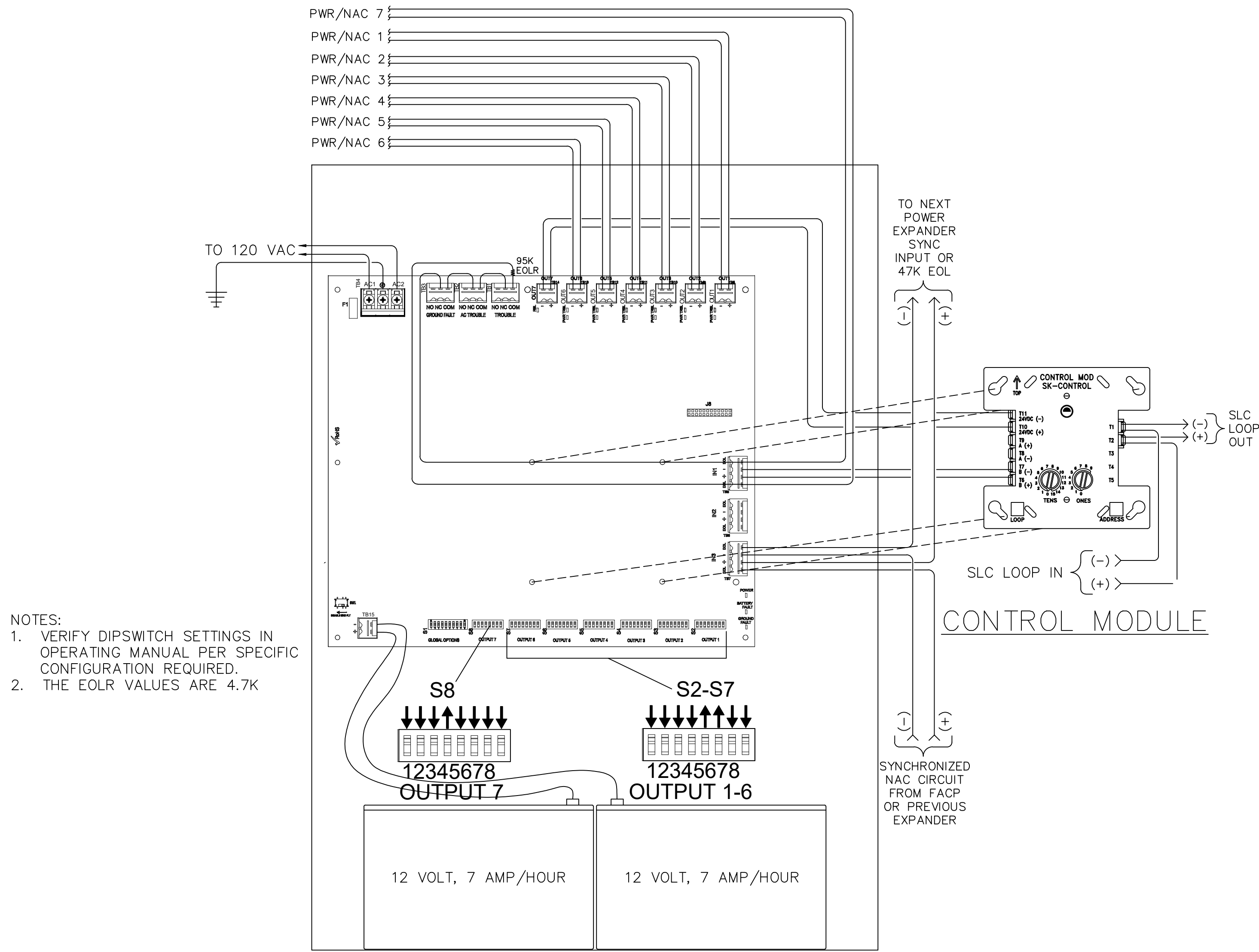
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REVIEW	NH
MM/DD/YY	06/24/25
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Fire Alarm Systems - Level IV
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SHOP DRAWINGS		AHJ REVISIONS			
06/24/25	09/30/25	MDY	MDY	MDY	
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PREPARED		PG			
REVIEW		NH			
MM/DD/YY		06/24/25			
SCALE		NOT TO SCALE			
JOB NO.		300691037			

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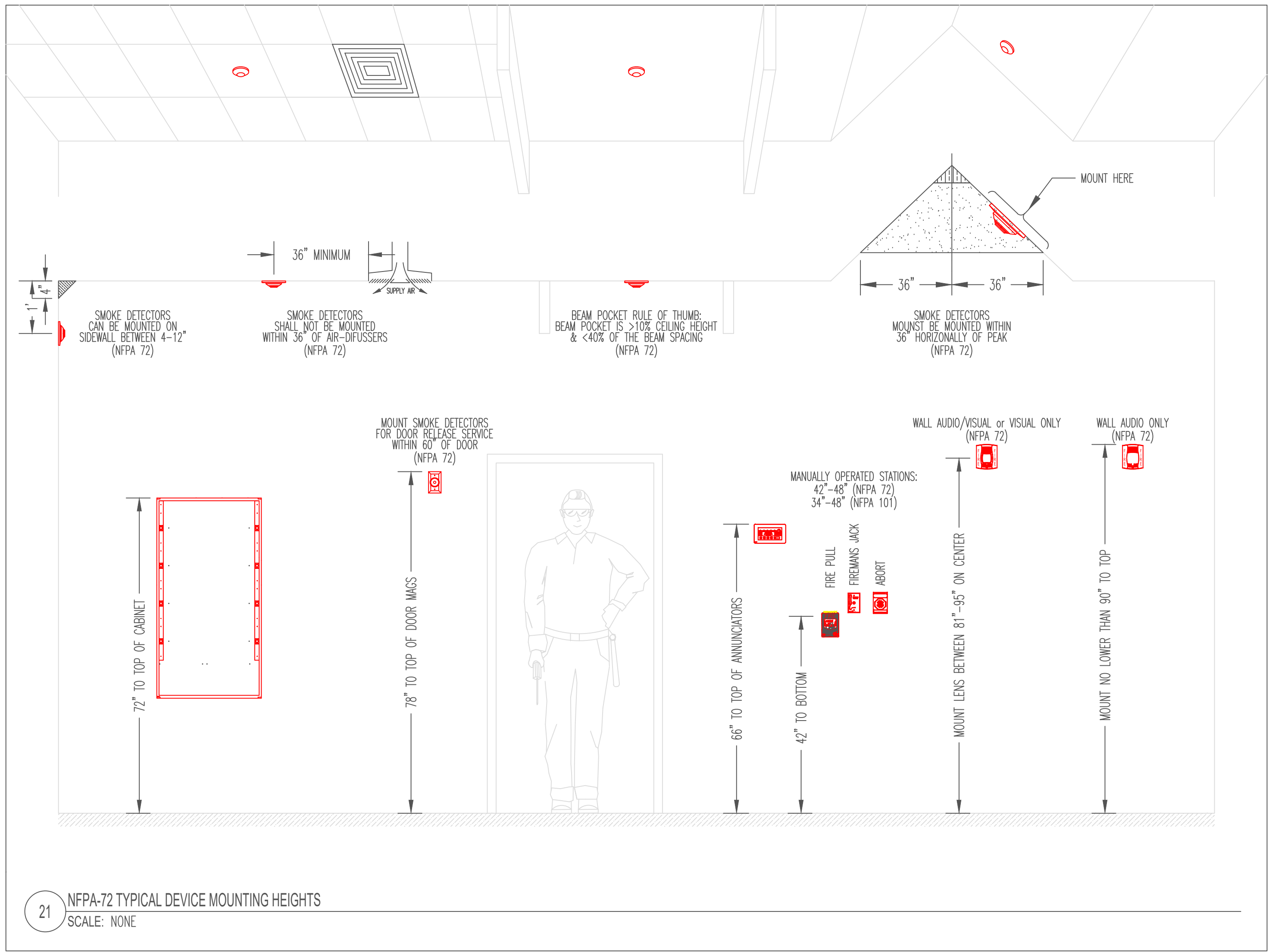


- NOTES:
1. VERIFY DIPSWITCH SETTINGS IN OPERATING MANUAL PER SPECIFIC CONFIGURATION REQUIRED.
 2. THE EOLR VALUES ARE 4.7K

DTL#

HPF-PS10(B) NAC Power Supply

SCALE: NONE



21 NFPA-72 TYPICAL DEVICE MOUNTING HEIGHTS
SCALE: NONE

RECORD DRAWINGS

AS-BUILT / RECORD DRAWING REQUIREMENTS:

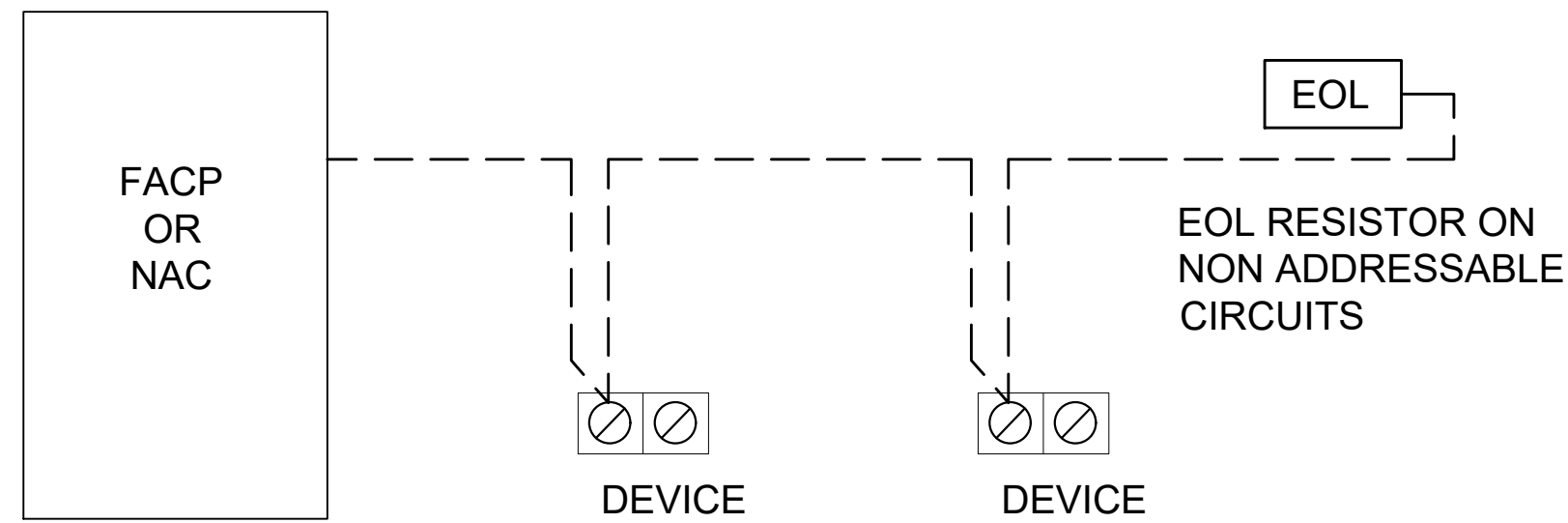
THE FOLLOWING INFORMATION SHOULD BE RECORDED ON A SEPARATE SET OF DRAWINGS FOR EACH PROJECT:

1. ANY CHANGES IN THE LOCATION OF ANY ASSOCIATED FIRE ALARM OR INTERFACE EQUIPMENT. CONTROL PANELS, ANNUNCIATORS, DETECTORS, CONTROL RELAYS, INPUT AND OUTPUT MODULES, TERMINAL CABINETS, ETC.
2. ANY CHANGES TO CIRCUIT WIRING. THIS INCLUDES DELETION OR ADDITIONAL WIRING RUNS. ANY RE-ROUTING OF CIRCUIT WIRING. ANY ADDITIONS OR DELETIONS TO THE NUMBER, LOCATION, AND ORDER OF DEVICE WIRING ON A CIRCUIT.
3. ADDRESSES AND/ OR LABELS FOR ALL ADDRESSABLE DEVICES.
4. CANDELA SETTINGS OF ALL VISUAL NOTIFICATION DEVICES.
5. WATTAGE TAP SETTINGS OF ALL SPEAKER NOTIFICATION DEVICES.

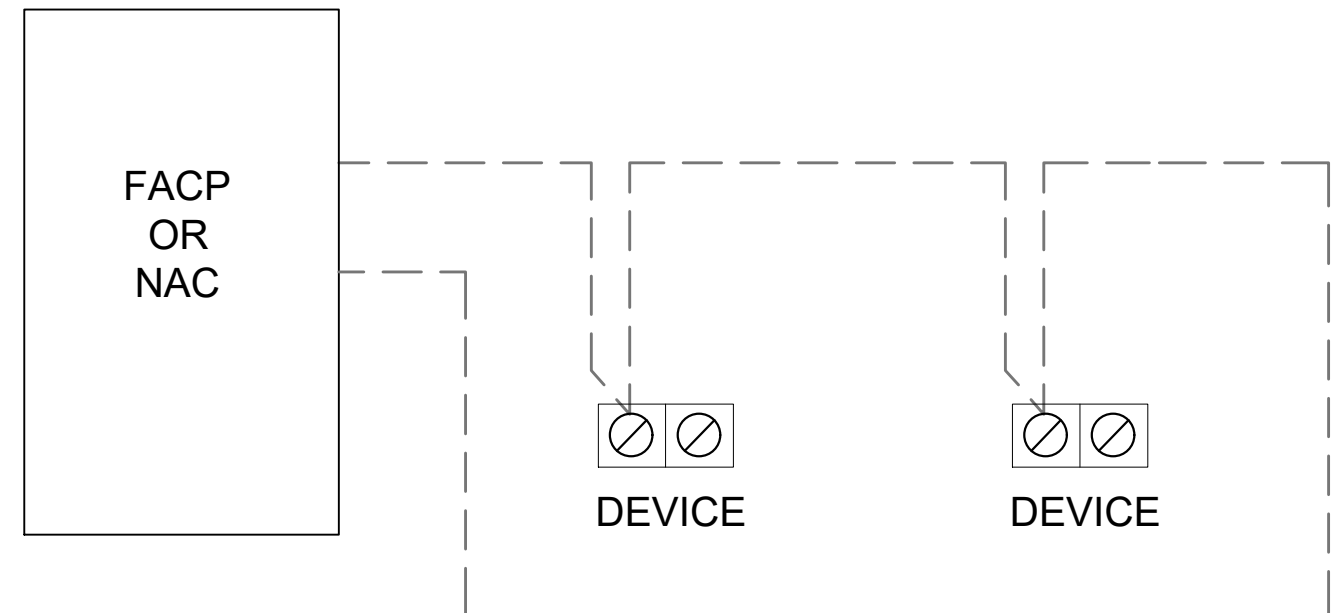
ANY CHANGES SHALL BE DISCUSSED WITH THE EVERON PROJECT MANAGER TO ENSURE SYSTEM AND CODE PARAMETERS ARE MET. EVERON SHALL NOT BE HELD ACCOUNTABLE FOR CHANGES MADE WITHOUT APPROVAL.

THIS INFORMATION SHALL BE NEAT AND LEGIBLE WHEN PRESENTED TO THE TECHNICIAN AT THE CONCLUSION OF THE PROJECT. PLEASE NOTE CONTACT INFORMATION ON DRAWINGS FOR INDIVIDUALS WITH FAMILIARITY OF INSTALLATION IN THE EVENT QUESTIONS ARISE DURING THE CLOSEOUT PROCESS.

CLASS A OR B NOTIFICATION WIRING



CLASS B, STYLE 4 WIRING



CLASS A, STYLE 6 WIRING

SEPARATION OF CLASS A CIRCUITS - INSTALLATION EXCEPTIONS:

CLASS A OUTGOING AND RETURN CONDUCTORS, EXITING AND RETURNING TO THE CONTROL PANEL, ARE TO BE ROUTED SEPARATELY. THE MINIMUM RECOMMENDED SEPARATION IS 1 FT. VERTICALLY AND 4 FT. HORIZONTALLY. THE FOLLOWING EXCEPTIONS STILL DO NOT ELIMINATE THE 2ND PAIR OF WIRES. THEY ALLOW YOU TO USE A SINGLE RACEWAY AND ELIMINATE THE SEPARATION FOR THESE CONDITIONS.

1. WHEN MAXIMUM CABLE, ENCLOSURE, OR RACEWAY IS LESS THAN 10 FEET. NO LIMIT TO NUMBER OF DEVICES.
2. UNLIMITED CONDUIT OR RACEWAY DROP TO AN INDIVIDUAL DEVICE.
3. UNLIMITED CONDUIT OR RACEWAY DROP TO A ROOM NOT EXCEEDING 1000 SQ. FT. NO LIMIT TO THE NUMBER OF DEVICES.

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TYPICAL WIRING DETAILS

SHOP DRAWINGS	AHJ REVISIONS
06/24/25	09/30/25
IMDY	IMDY
IMDY	IMDY
IMDY	IMDY

PREPARED PG

REVIEW NH

MM/DD/YY 06/24/25

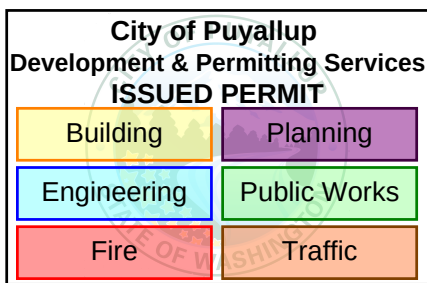
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SHEET FA-02A

SYSTEM CALCULATIONS



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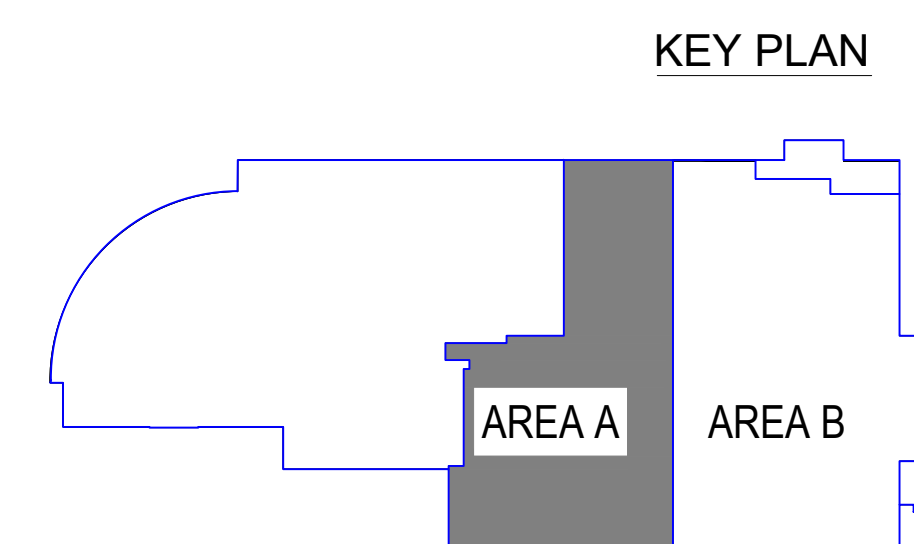
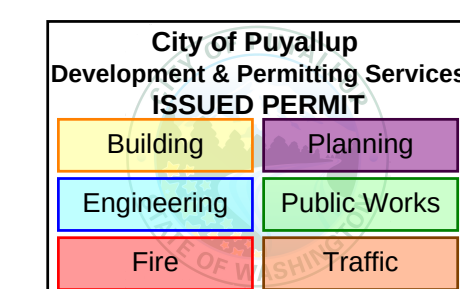
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1015 39TH AVENUE SE,
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SYSTEM CALCULATIONS

SHOP DRAWINGS				
06/24/25	09/30/25	MDY	MDY	MDY
△	△	△	△	△

PREPARED	PG
REVIEW	NH
MM/DD/YY	06/24/25
SCALE	NOT TO SCALE
JOB NO.	300691037

NAC Circuit Load, Voltage Drop & Battery Load Calculations											HPF-PS10 NAC1
POWER SUPPLY INFORMATION:					GENERAL INFORMATION						
Power Supply ID #: HPF-PS10 NAC1					Voice Evacuation?		No	Class A Circuits:		No	
Install Location: AREA B RISER RM 119					Emer Pwr or Generator?		No	Hours Standby:		24	
Power Supply Type: PSE-10					Is this Military/DoD?		No	Minutes Alarm:		5	
VOLTAGE DROP CALC for HPF-PS10 NAC1:											
Device Part #:	Device Description:	Current Draws:		Output #1 NAC PS10 NAC1	Output #2 NAC PS10 NAC1	Output #3 NAC PS10 NAC1	Output #4 NAC PS10 NAC1	NOT USED	NOT USED	Aux. Power PS10 NAC1	Total Qty
PC2WL (-)	Ceiling Horn strobe	0.0000	0.0000					---	---		0
PC2WL(15)	Ceiling Horn w/ Strobe set at 15cd	0.0000	0.0710								0
PC2WL(30)	Ceiling Horn w/ Strobe set at 30cd	0.0000	0.0900		3	4	2				9
PC2WL(75)	Ceiling Horn w/ Strobe set at 75cd	0.0000	0.1430	3	1						4
											0
SCWL (15)	Ceiling Strobe set at 15cd	0.0000	0.0410	5	3	2	3				13
SCWL (30)	Ceiling Strobe set at 30cd	0.0000	0.0630		2	3	1				6
SCWL (75)	Ceiling Strobe set at 75cd	0.0000	0.1110		1						1
SCWL (95)	Ceiling Strobe set at 95cd	0.0000	0.1340								0
SCWL (115)	Ceiling Strobe set at 115cd	0.0000	0.1580								0
SCWK (15)	Ceiling Strobe set at 15cd, WP	0.0000	0.0660								0
											0
P2WL(15)	Wall Horn w/ Strobe set at 15cd	0.0000	0.0540								0
P2WL(30)	Wall Horn w/ Strobe set at 30cd	0.0000	0.0740								0
P2WL(75)	Wall Horn w/ Strobe set at 75cd	0.0000	0.1210		2	1	4				7
											0
											0
SWL (15)	Wall Strobe set at 15cd	0.0000	0.0430								0
SWL (30)	Wall Strobe set at 30cd	0.0000	0.0630								0
SWL (75)	Wall Strobe set at 75cd	0.0000	0.1070								0
SWL (95)	Wall Strobe set at 95cd	0.0000	0.1210								0
SWL (115)	Wall Strobe set at 110cd	0.0000	0.1480					---	---		0
	Typical Door Holder:	0.0680	0.0000								0
Measured Load of Existing Circuit (Amps):								---	---		0
Total Qty of Devices per Circuit:				8	12	10	10	---	---	0	40
Total Standby Circuit Calculated Amps (3):				0.000	0.000	0.000	0.000	---	---	0.0000	0.0000
Total Alarm Circuit Calculated Amps (1):				0.634	1.015	0.752	0.850	---	---	0.0000	3.2510
Wire Gauge Used (AWG):				14AWG	14AWG	14AWG	14AWG	---	---	14AWG	Total
Circuit Length (ft):				212	230	208	220	---	---	0	Amps
Estimated Voltage Drop (DC):				0.70	1.21	0.81	0.97	---	---	0.00	Required
Estimated EOL Voltage (DC):				19.7	19.2	19.6	19.4	---	---	24.00	3.251
Calculated Voltage Drop %:				2.9%	5.1%	3.4%	4.1%	---	---	0.0%	
1) Current draw measurement is based on: UL1971, 16-33V, DC, High db setting & Temporal 3 Pattern											
2) Some Outdoor/WP Devices have the same measured current draw as the Indoor devices and may not listed separately above.											
3) When the PS is configured for "Doors", the respective Door Output Circuit turns off on loss of AC Power. Therefore no "Standby" current draw is shown											
BATTERY LOAD CALC for HPF-PS10 NAC1:				NAC P.S. Max Rating: 10.000			Total Amps Required: 3.436		% Used: 34%		
Total Standby Current Draw from Cals 0 A + Main Board Standby Load 0.156A x 24 Hrs = 3.744 Amp Hours [AH]: 3.74											
Total Alarm Current Draw from Cals 3.251 A + Main Board Standby Load 0.185A x 5 Min = 0.286 Amp Hours [AH]: 0.29											
Minimum Battery Size Needed [AH]: 4.03											
Plus 20% Spare Battery Capacity [AH]: 0.81											
Actual Battery Size Required [AH]: 4.84											
Maximum Charger Capacity is: 33 AH											
Total Batteries Supplied [AH]: 7.0											

NAC Circuit Load, Voltage Drop & Battery Load Calculations											HPF-PS10 NAC2
POWER SUPPLY INFORMATION:					GENERAL INFORMATION						
Power Supply ID #: HPF-PS10 NAC2					Voice Evacuation?		No	Class A Circuits:		No	
Install Location: AREA B RISER RM 119					Emer Pwr or Generator?		No	Hours Standby:		24	
Power Supply Type: PSE-10					Is this Military/DoD?		No	Minutes Alarm:		5	
VOLTAGE DROP CALC for HPF-PS10 NAC2:											
Device Part #:	Device Description:	Current Draws:	Output #1 NAC PS10 NAC2	Output #2 NAC PS10 NAC2	Output #3 NAC PS10 NAC2	Output #4 NAC PS10 NAC2	NOT USED	NOT USED	Aux. Power PS10 NAC2	Total Qty	
PC2WL (-)	Ceiling Horn w/ Strobe set at 15cd	0.0000 0.0000								0	
PC2WL(15)	Ceiling Horn w/ Strobe set at 15cd	0.0000 0.0710				1	---	---		1	
PC2WL(30)	Ceiling Horn w/ Strobe set at 30cd	0.0000 0.0900	2	4	8	1				15	
PC2WL(75)	Ceiling Horn w/ Strobe set at 75cd	0.0000 0.1430	3							3	
										0	
SCWL (15)	Ceiling Strobe set at 15cd	0.0000 0.0410	5	8	2	3				18	
SCWL (30)	Ceiling Strobe set at 30cd	0.0000 0.0630		1						2	
SCWL (75)	Ceiling Strobe set at 75cd	0.0000 0.1110	1							1	
SCWL (95)	Ceiling Strobe set at 95cd	0.0000 0.1340								0	
SCWL (115)	Ceiling Strobe set at 115cd	0.0000 0.1580								0	
SCWK (15)	Ceiling Strobe set at 15cd, WP	0.0000 0.0660								0	
										0	
P2WL(15)	Wall Horn w/ Strobe set at 15cd	0.0000 0.0540								0	
P2WL(30)	Wall Horn w/ Strobe set at 30cd	0.0000 0.0740				3				3	
P2WL(75)	Wall Horn w/ Strobe set at 75cd	0.0000 0.1210			1	2				3	
										0	
										0	
SWL (15)	Wall Strobe set at 15cd	0.0000 0.0430								0	
SWL (30)	Wall Strobe set at 30cd	0.0000 0.0630								0	
SWL (75)	Wall Strobe set at 75cd	0.0000 0.1070								0	
SWL (95)	Wall Strobe set at 95cd	0.0000 0.1210								0	
SWL (115)	Wall Strobe set at 110cd	0.0000 0.1480								0	
	Typical Door Holder:	0.0680 0.0000								0	
	Measured Load of Existing Circuit (Amps)									0	
Total Qty of Devices per Circuit:			12	13	11	10	---	---	0	46	
Total Standby Circuit Calculated Amps (3):			0.000	0.000	0.000	0.000	---	---	0.0000	0.0000	
Total Alarm Circuit Calculated Amps (1):			0.988	0.751	0.923	0.748	---	---	0.0000	3.4100	
Wire Gauge Used (AWG):			14AWG	14AWG	14AWG	14AWG	---	---	14AWG	Total	
Circuit Length (ft):			220	230	201	220	---	---	0	Amps	
Estimated Voltage Drop (DC):			1.13	0.90	0.96	0.86	---	---	0.00	Required	
Estimated EOL Voltage (DC):			19.3	19.5	19.4	19.5	---	---	24.00	3.410	
Calculated Voltage Drop %:			4.7%	3.7%	4.0%	3.6%	---	---	0.0%		
1) Current draw measurement is based on: UL1971, 16-33V, DC, High db setting & Temporal 3 Pattern											
2) Some Outdoor/WP Devices have the same measured current draw as the Indoor devices and may not listed separately above.											
3) When the PS is configured for "Doors", the respective Door Output Circuit turns off on loss of AC Power. Therefore no "Standby" current draw is shown											
BATTERY LOAD CALC for HPF-PS10 NAC2:											
NAC P.S. Max Rating:					10.000		Total Amps Required:		3.595		% Used: 36%
Total Standby Current Draw from Cals 0 A + Main Board Standby Load 0.156A x 24 Hrs = 3.744 Amp Hours [AH]:											3.74
Total Alarm Current Draw from Cals 3.41 A + Main Board Standby Load 0.185A x 5 Min = 0.299 Amp Hours [AH]:											0.30
Minimum Battery Size Needed [AH]:											4.04
Plus 20% Spare Battery Capacity [AH]:											0.81
Actual Battery Size Required [AH]:											4.85
Maximum Charger Capacity is: 33 AH											Total Batteries Supplied [AH]: 7.0



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AREA A - FIRE ALARM PLAN

△	06/24/25	SHOP DRAWINGS
△	09/30/25	AHJ REVISIONS
△	M/D/Y	
△	M/D/Y	
△	M/D/Y	

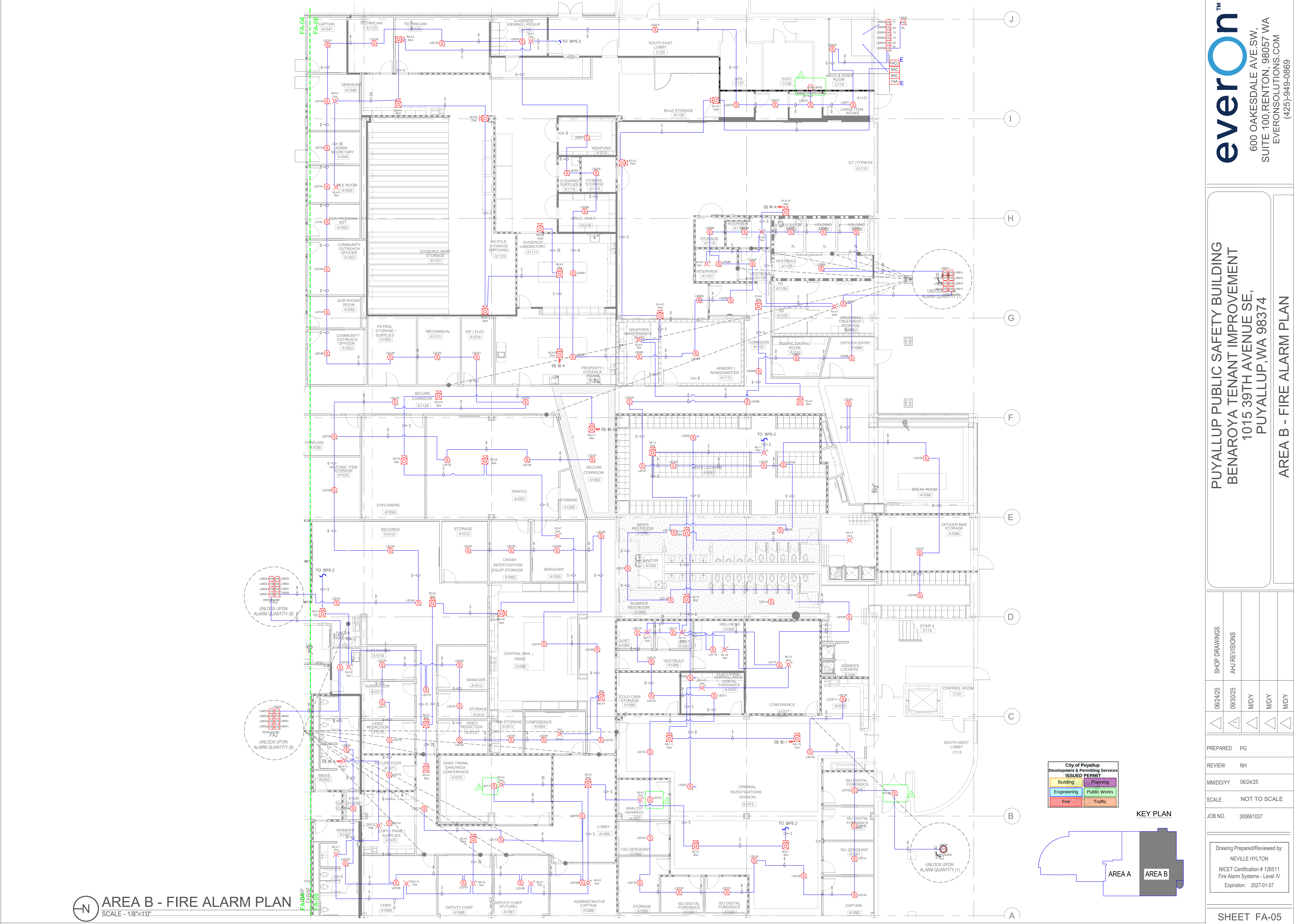
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REVIEW	NH
MM/DD/YY	06/24/25
SCALE	NOT TO SCALE
JOB NO.	300691037

Drawing Prepared/Reviewed by:
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SHEET FA-04

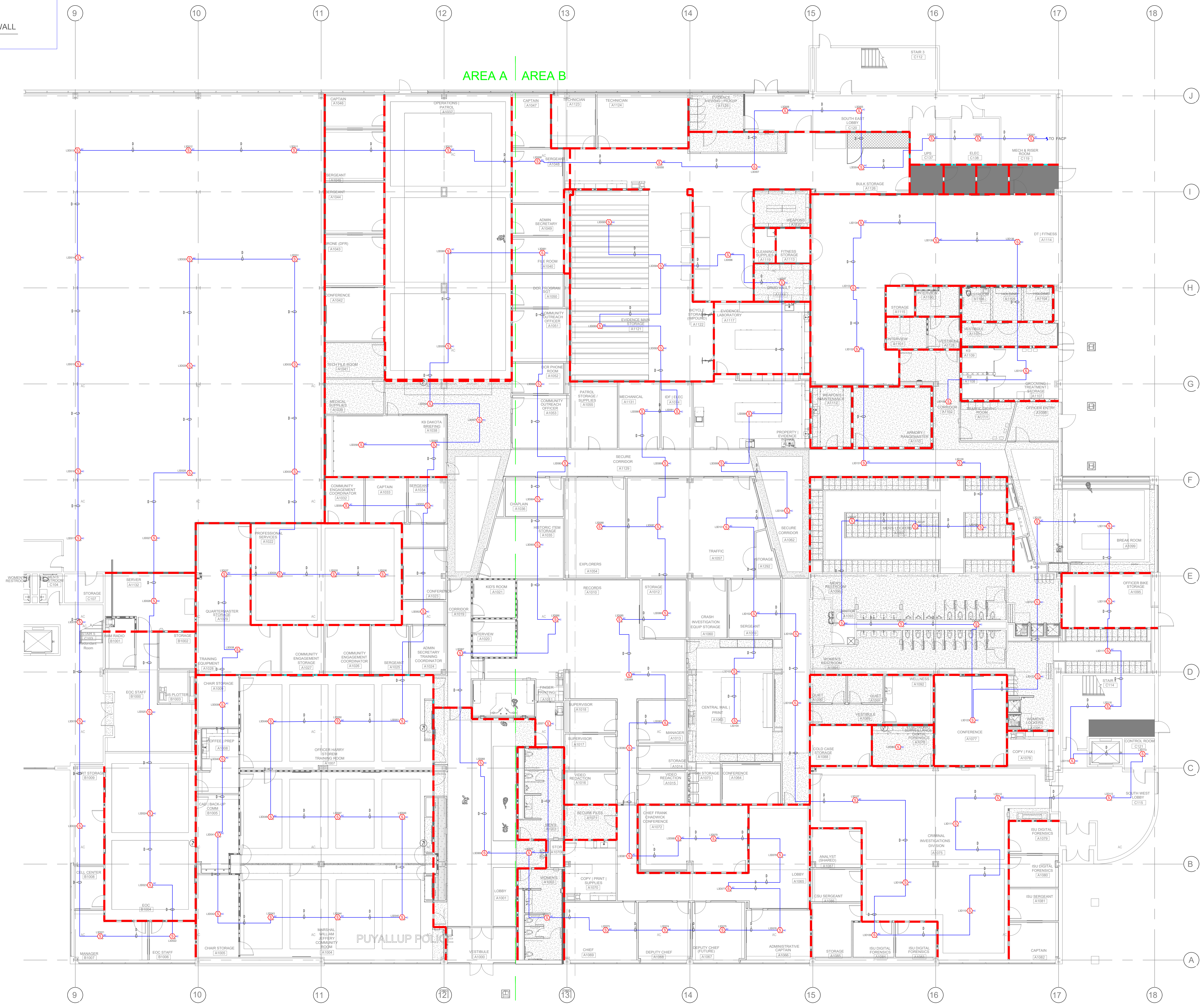
AREA A - FIRE ALARM PLAN
SCALE - 1/8"=1'0"

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SHOP DRAWINGS	06/24/25	09/30/25	MDY	MDY	MDY
AHJ REVISIONS					
PREPARED	PG				
REVIEW	NH				
MM/DD/YY	06/24/25				
SCALE	NOT TO SCALE				
JOB NO.	300691037				
Drawing Prepared/Reviewed by:	NEVILLE HYLTON				
NICET Certification #	126511				
Fire Alarm Systems - Level IV	Expiration: 2027-01-07				
SHEET	FA-05				

NOTE:
RED DASHED LINE - FULL HEIGHT WALL



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

KEY PLAN

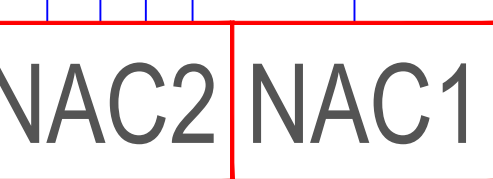
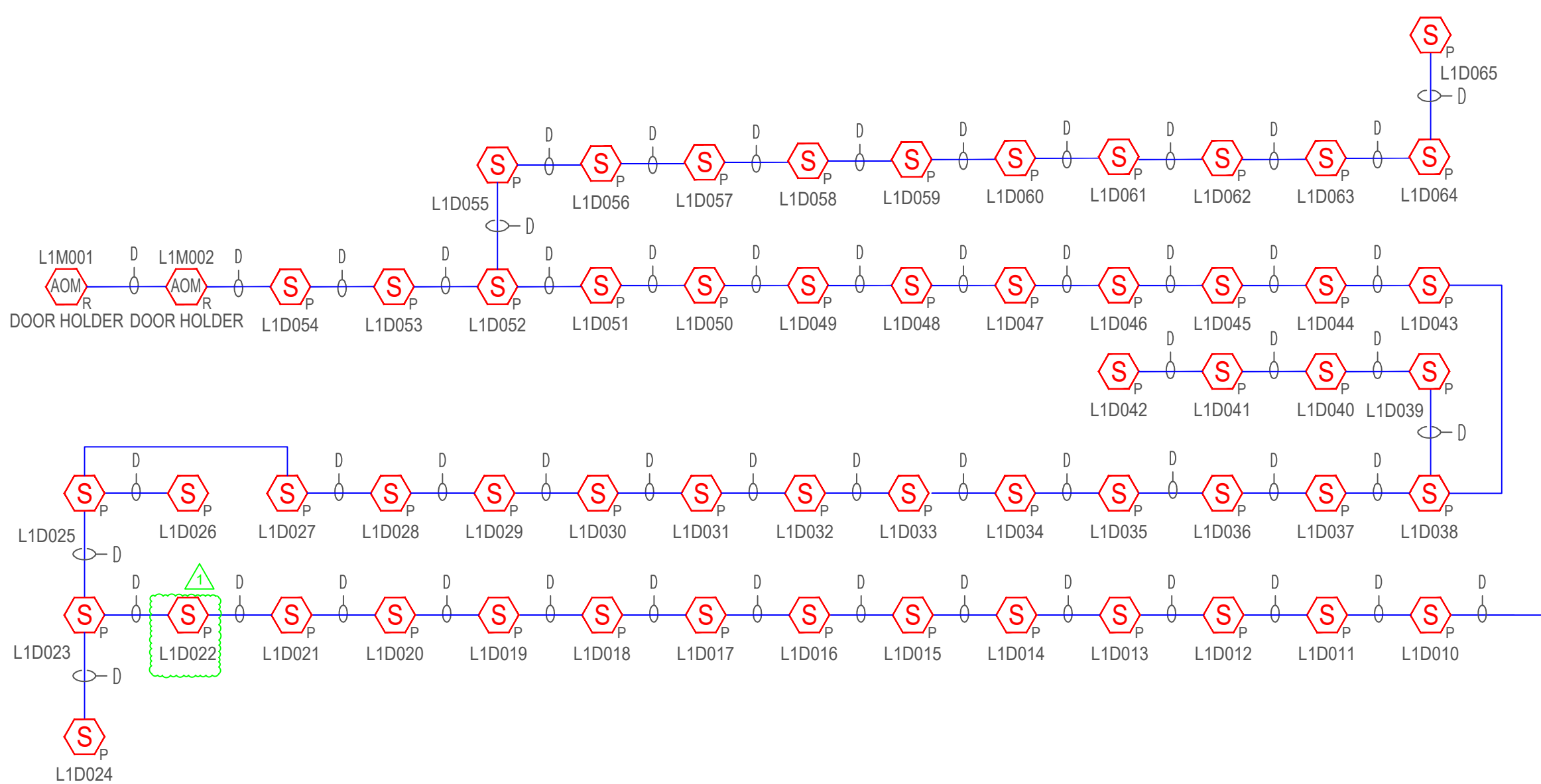
AREA A AREA B

AREA & B - AC SMOKE DETECTOR - FIRE ALARM PLAN
SCALE - 3/32"=1'0"

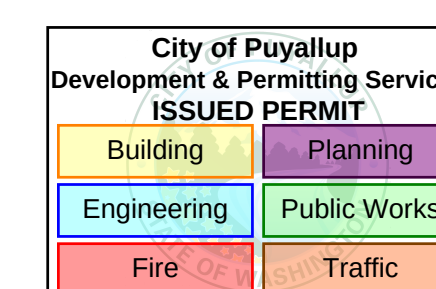
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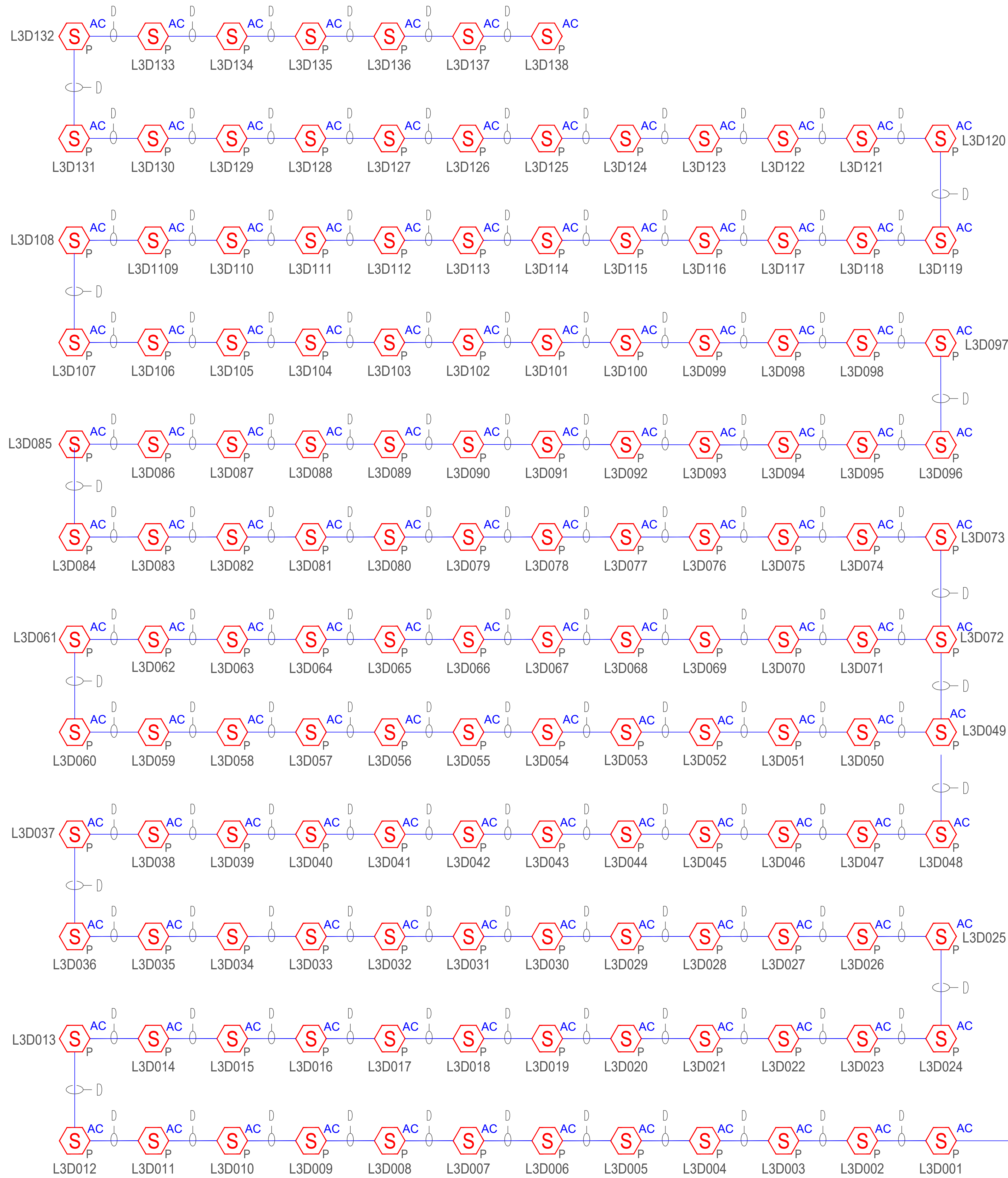
PUYALLUP PUBLIC SAFETY BUILDING
BENAROYA TENANT IMPROVEMENT
1015 39TH AVENUE SE,
PUYALLUP, WA 98374
AREA A & B - AC SMOKE DETECTOR - FIRE ALARM PLAN

SHOP DRAWINGS	06/24/25	09/30/25	IMDY	IMDY	IMDY
AHJ REVISIONS					
PREPARED	PG				
REVIEW	NH				
MM/DD/YY	06/24/25				
SCALE	NOT TO SCALE				
JOB NO.	300691037				
Drawing Prepared/Reviewed by:	NEVILLE HYLTON				
NICET Certification #	126511				
Fire Alarm Systems - Level IV					
Expiration:	2027-01-07				



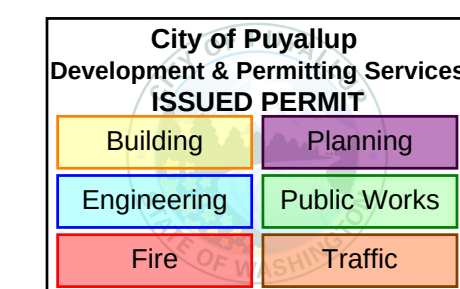
AREA A





FACU

EXISTING(AREA B)
C119 RISER ROOM



AREA A & B



AREA A & B ABOVE CEILING SMOKE DETECTOR- RISER DIAGRAM
SCALE - NOT TO SCALE

PUYALLUP PUBLIC SAFETY BUILDING
BENAROYA TENANT IMPROVEMENT
1015 39TH AVENUE SE,
PUYALLUP, WA 98374

AREA A & B- AC SMOKE DETECTOR- RISER DIAGRAM

SHOP DRAWINGS		AHJ REVISIONS			
06/24/25	09/30/25	MIDY	MIDY	MIDY	
△	△	△	△	△	
PREPARED		PG			
REVIEW		NH			
MM/DD/YY		06/24/25			
SCALE		NOT TO SCALE			
JOB NO.		300691037			
Drawing Prepared/Reviewed by: NEVILLE HYLTON NICET Certification # 126511 Fire Alarm Systems - Level IV Expiration: 2027-01-07					