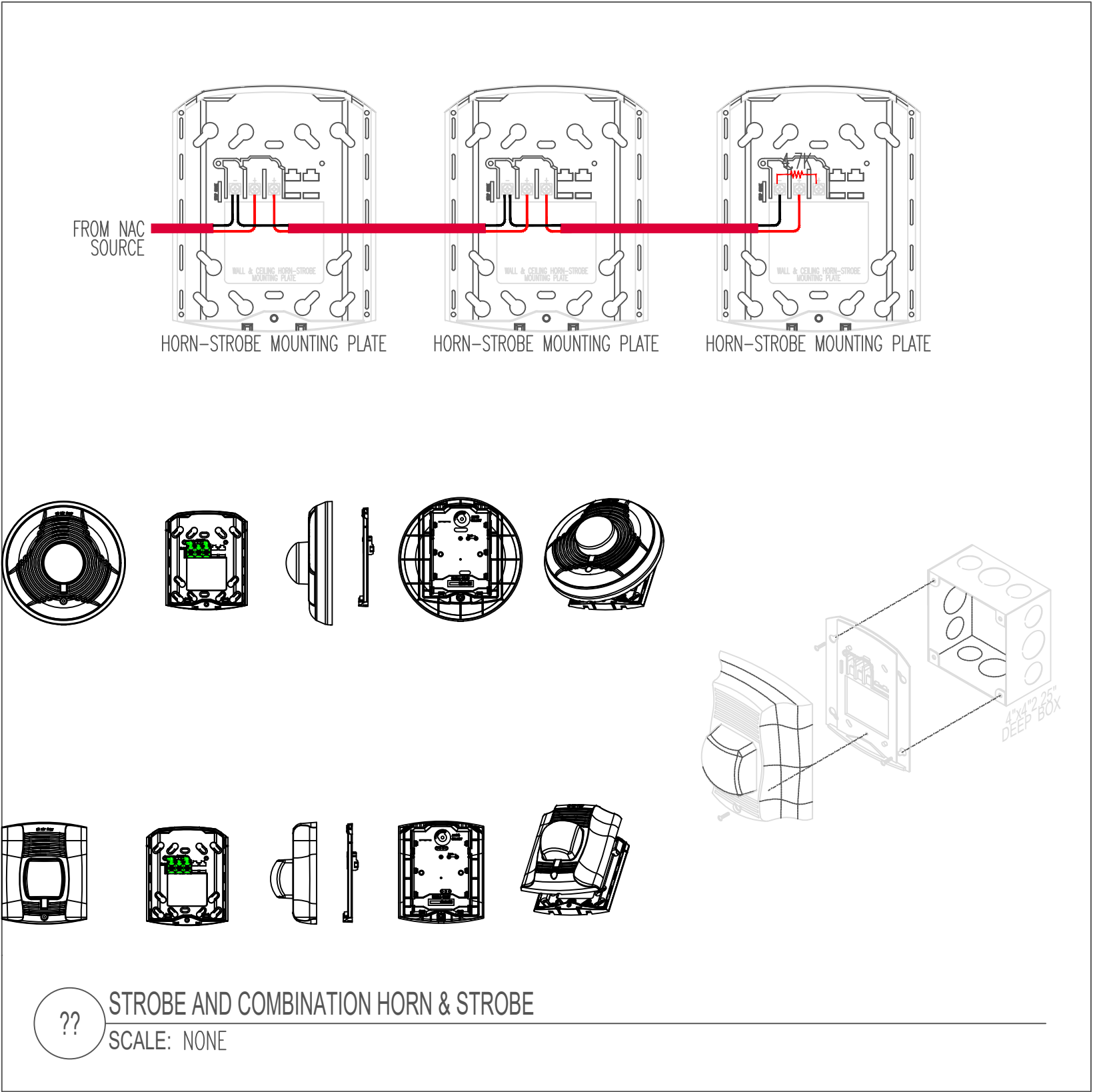
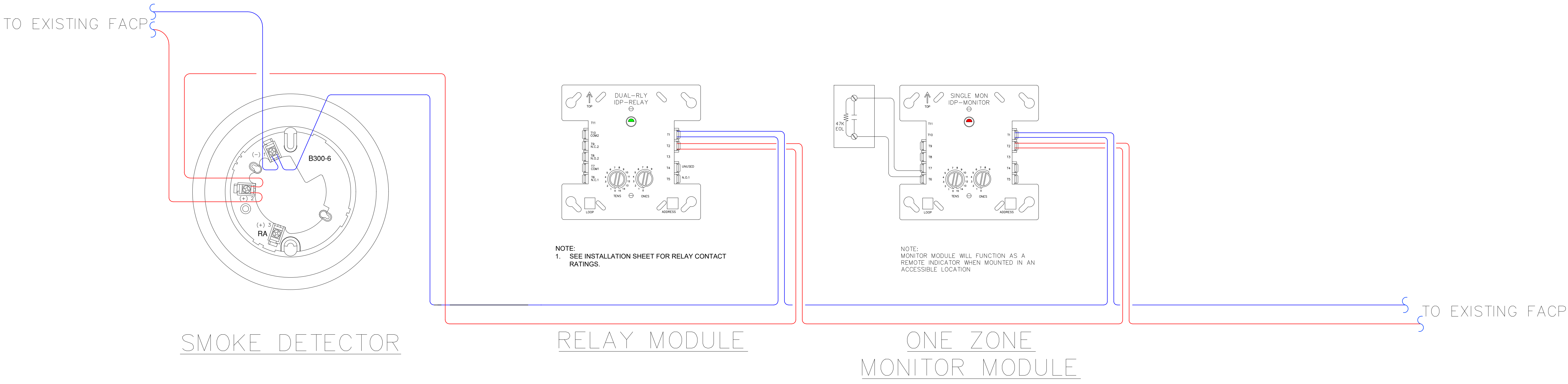


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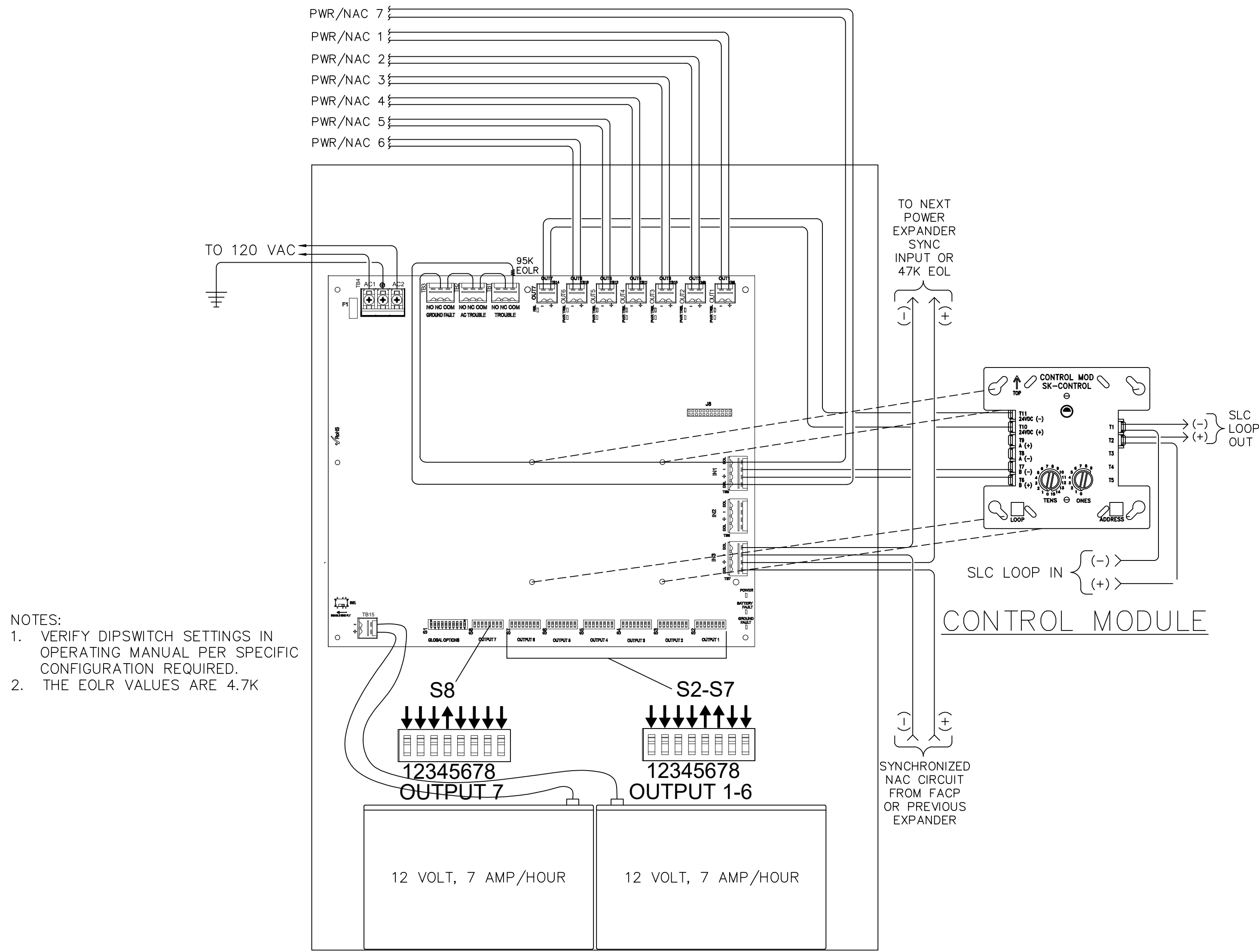
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SHOP DRAWINGS				
06/24/25	MDY	MDY	MDY	MDY
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PREPARED	POONAM GUPTA
REVIEW	NH
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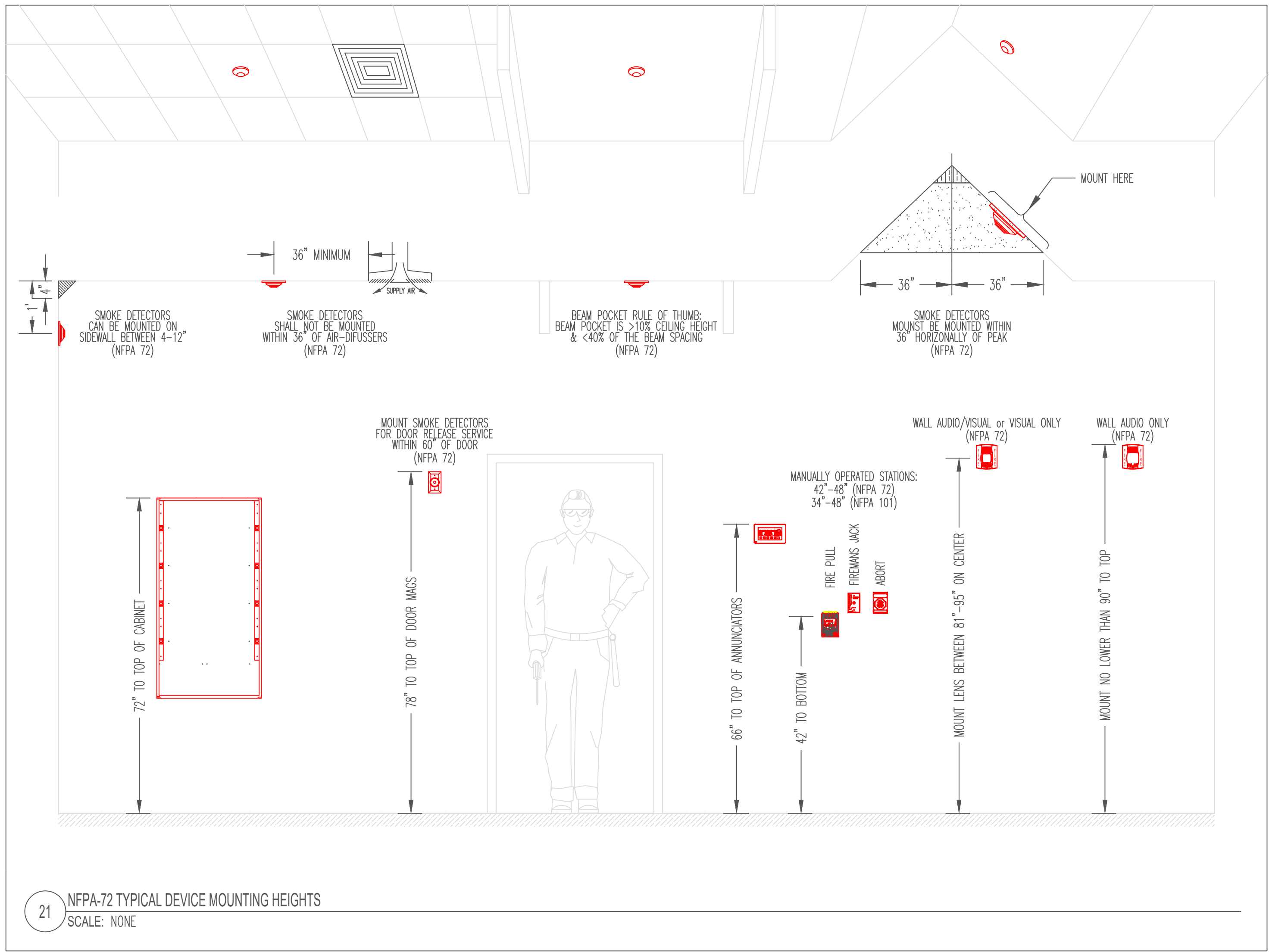


NOTES:
1. VERIFY DIPSWITCH SETTINGS IN OPERATING MANUAL PER SPECIFIC CONFIGURATION REQUIRED.
2. THE EOLR VALUES ARE 4.7K

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:

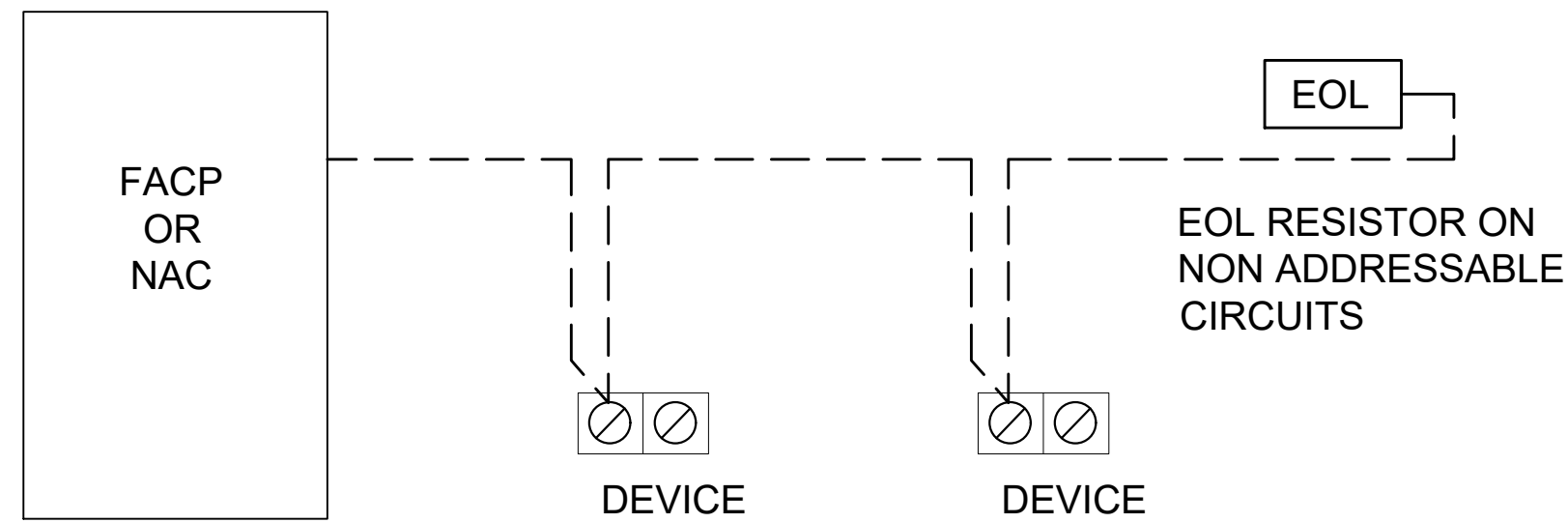
THE FOLLOWING INFORMATION SHOULD BE RECORDED ON A SEPARATE SET OF DRAWINGS FOR EACH PROJECT:

- 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.
- 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.
- ADDRESSES AND/ OR LABELS FOR ALL ADDRESSABLE DEVICES.
- CANDELA SETTINGS OF ALL VISUAL NOTIFICATION DEVICES.
- WATTAGE TAP SETTINGS OF ALL SPEAKER NOTIFICATION DEVICES.

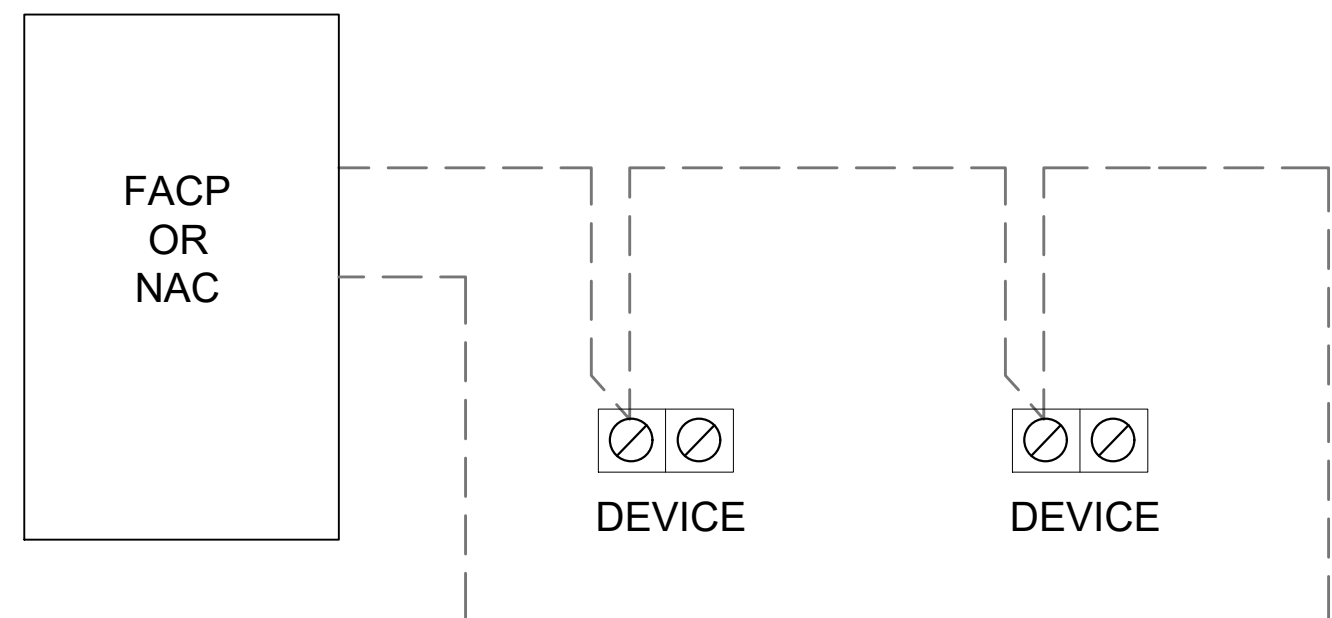
ANY CHANGES SHALL BE DISCUSSED WITH THE EVERON PROJECT MANAGER TO ENSURE SYSTEM AND CODE PARAMETERS ARE MET. EVERON SHALL NOT BE HELD ACCOUNTABLE FOR CHANGES MADE WITHOUT APPROVAL.

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.

- WHEN MAXIMUM CABLE, ENCLOSURE, OR RACEWAY IS LESS THAN 10 FEET. NO LIMIT TO NUMBER OF DEVICES.
- UNLIMITED CONDUIT OR RACEWAY DROP TO AN INDIVIDUAL DEVICE.
- 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				
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△	△	△	△	△

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REVIEW NH

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JOB NO. 300691037



SHEET FA-02A

NAC Circuit Load, Voltage Drop & Battery Load Calculations **HPP-PS10 NAC2**

POWER SUPPLY INFORMATION:				GENERAL INFORMATION:			
Power Supply ID #: HPP-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 HPP-PS10 NAC2:							
Device Part #:	Device Description:	Current Draw:	Output #1 NAC	Output #2 NAC	Output #3 NAC	Output #4 NAC	Aux. Power
PC2WL(1)	Ceiling Horn strobe at 15cd	0.0000	0.0000	0.0000	---	---	PS10 NAC2
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	2	4	8	1
PC2WL(75)	Ceiling Horn w/ Strobe set at 75cd	0.0000	0.1430	3	---	---	15
SCWL (15)	Ceiling Strobe set at 15cd	0.0000	0.0410	5	8	2	3
SCWL (30)	Ceiling Strobe set at 30cd	0.0000	0.0830	1	1	---	0
SCWL (75)	Ceiling Strobe set at 75cd	0.0000	0.1110	1	---	---	18
SCWL (95)	Ceiling Strobe set at 95cd	0.0000	0.1340	0	---	---	2
SCWL (115)	Ceiling Strobe set at 115cd	0.0000	0.1580	0	---	---	1
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	0
P2WL(75)	Wall Horn w/ Strobe set at 75cd	0.0000	0.1210	---	1	2	3
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:		0.0560	0.0000	---	---	---	0
Measured Load of Existing Circuit (amps)		---	---	---	---	---	0
Total Qty of Devices per Circuit:			12	13	11	10	0
Total Standby Circuit Calculated Amps (3):			0.000	0.000	0.000	0.000	0.0000
Total Alarm Circuit Calculated Amps (1):			0.988	0.751	0.923	0.748	0.0000
Wire Gauge Used (AWG):			14AWG	14AWG	14AWG	14AWG	14AWG
Circuit Length (ft):			220	230	201	220	---
Estimated Voltage Drop (%):			1.13	0.90	0.98	0.86	---
Estimated CUL Voltage Drop:			19.3	19.5	19.4	19.5	24.00
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

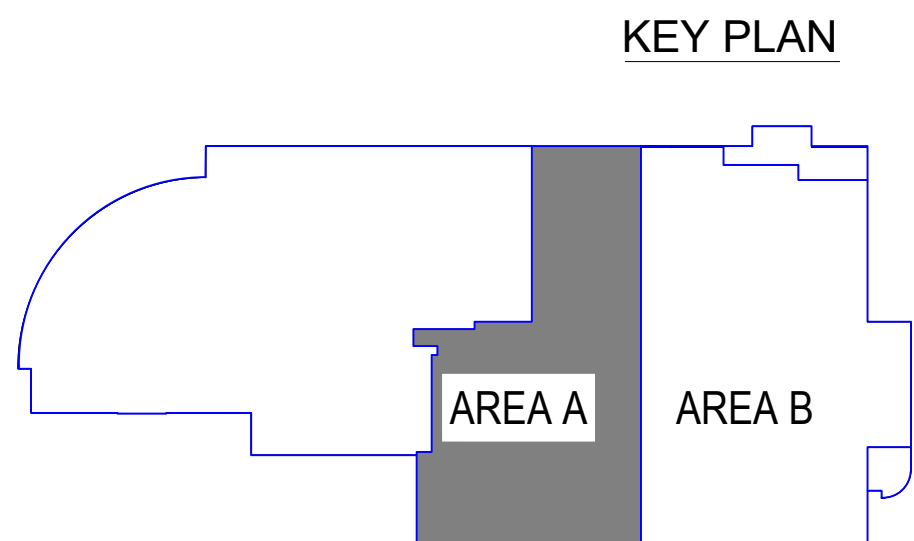
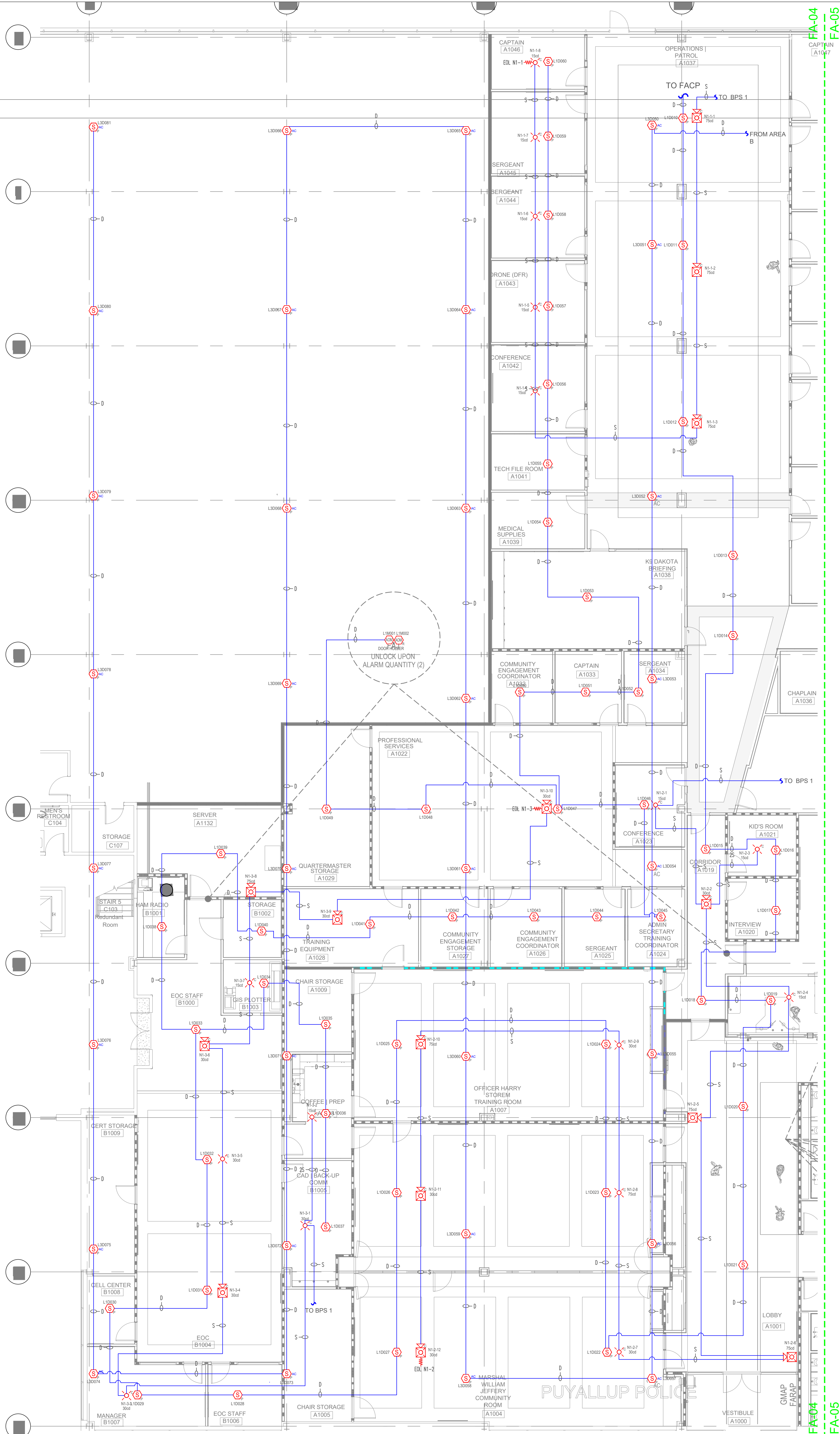
BATTERY LOAD CALC FOR HPP-PS10 NAC2:	NAC P.S. Max Rating:	10.000	Total Amps Required:	3.595	% Used:	36%
---	----------------------	--------	----------------------	-------	---------	-----

Total Standby Circuit Draw from Cals 0 A + Main Board Standby Load 0.156A x 24 Hrs = 3.744 Amp Hours [AH]:	3.74
Total Alarm Circuit 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

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

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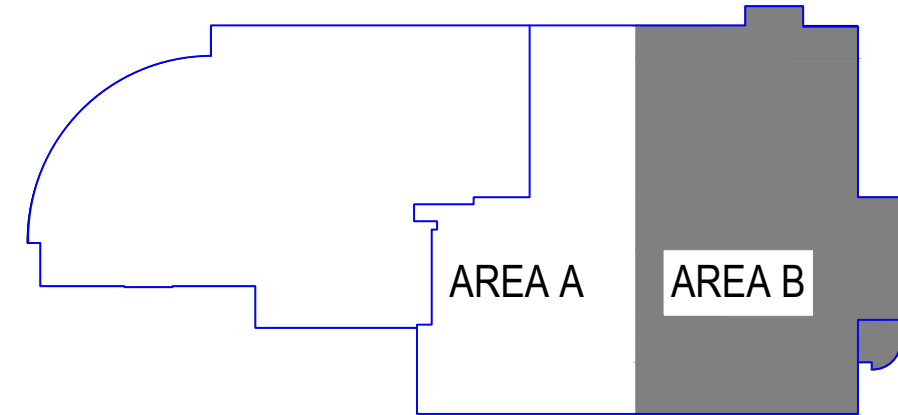


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AREA A - FIRE ALARM PLAN

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

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

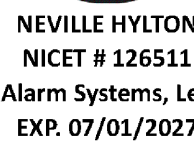




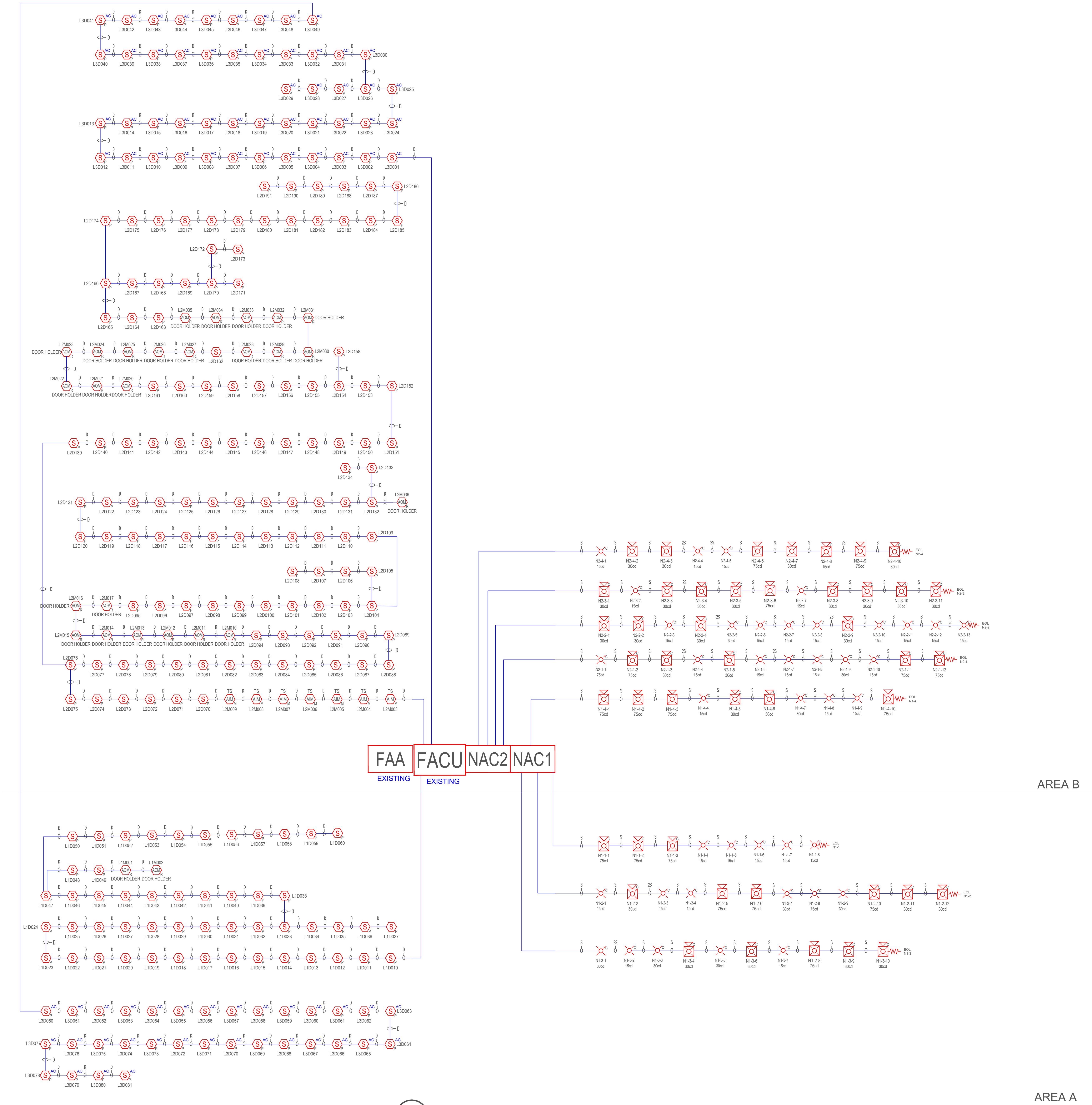
AREA B - FIRE ALARM PLAN

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REVIEW	NH
MM/DD/YY	06/24/25
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JOB NO.	300691037



SHEET FA-05



RISER DIAGRAM
SCALE - NOT TO SCALE

SHOP DRAWINGS					
06/24/25	IMDY	IMDY	IMDY	IMDY	IMDY
△	△	△	△	△	△

PREPARED	POONAM GUPTA
REVIEW	NH
MM/DD/YY	06/24/25
SCALE	NOT TO SCALE
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