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Building	Planning
Engineering	Public Works
Fire OF W	Traffic

2ND STREET APARTMENTS

501 2ND ST NE PUYALLUP, WA 98372

FIRE ALARM SYSTEM



GENERAL NOTES

I. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS.

ALL FIRE ALARM SYSTEM WIRING SHALL BE CLEAR FROM SHORTS, OPENS AND GROUNDS.
 SHOULD ANY CONDITIONS EXIST THAT DIFFER FROM WHAT IS INDICATED ON THESE DRAWINGS WHICH
CAUSE MAJOR DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL CONTACT THE DESIGNER IN A
TIMELY MANNER SO AS NOT TO IMPAIR THE CONSTRUCTION SCHEDULE.

4. CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE.

5. THE POWER CIRCUIT TO THE FACE AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED AND CHARLES AND CHARLES

120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

6. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST.

INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 ALL WIRING SHALL BE INSTALLED ACCORDING TO NFPA 70 (NEC).

9. FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 ARTICLES 760, 770, 725 AND 800 WHERE APPLICABLE.
 10. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
 11. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.

ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
 ONLY FIRE ALARM SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
 MAINTAIN 40 PERCENT MAXIMUM CONDUIT FILL RATIO AS PER NEC REQUIREMENTS.
 EXISTING CONDUITS MAY BE USED BY THE INSTALLATION CONTRACTOR AS DEEMED NECESSARY, HOWEVER, ANY EXISTING CONDUIT WILL BE USED ONLY IF CONDUITS MEET CURRENT STANDARDS AND

15. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY A CENTRAL UL LISTED MONITORING STATION.

16. ALL CEILINGS ARE ASSUMED TO BE 10' A.F.F., SMOOTH CONSTRUCTION UNLESS NOTED OTHERWISE.

SCOPE OF WORK NEW FIRE ALARM SYSTEM IN A NEW RESIDENTIAL BUILDING. NEW FIRE ALARM PANEL IS BEING INSTALLED ALONG WITH NOTIFICATION DEVICES AS PER THE APPLICABLE CODES, WITH PULL STATIONS AT EVERY EXIT. SPRINKLER WATERFLOW SWITCH IS BEING MONITORED TO ACTIVATE NOTIFICATION DEVICES UPON ALARM.

APPLICABLE CODES

2021 WASHINGTON STATE BUILDING CODE
2021 WASHINGTON STATE FIRE CODE
2021 WASHINGTON STATE FUEL GAS CODE
2021 WASHINGTON STATE ELECTRIAL GAS CODE
2021 WASHINGTON STATE ENERGY CONSERVATION CODE
ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 ED.
NFPA 72 2019 EDITION

CONTRACTOR INFO

SYSTEM DESIGNER/INSTALLER

NAME: MAX POWER ELETRIC
EMAIL: jeremy@maxpowernw.com hmadeira@jemsystems.com
PHONE #: 253-838-4400 480-977-3555
LICENSE #: MAXPOPO815M9
ADDRESS: 5009 PACIFIC HIGHWAY E, SUITE 13, FIFE, WA 98424

MONITORING COMPANY

	MONITORING COMPANY	
NAME: PHONE #: ADDRESS:	NORTHWEST ALARM MONITORING LLC 877-870-0910 1743 1ST AVE S STE 201,SEATTLE,WA 98134	

	SHEET INDEX	
SHEET#	SHEET DESCRIPTION	
FA-00	COVER SHEET	
FA-01	PROJECT INFORMATION	
FA-02	FIRST FLOOR PLAN	
FA-03	SECOND FLOOR PLAN	
FA-04	THIRD FLOOR PLAN	
FA-05	ATTIC PLAN	1
FA-06	RISER DIAGRAM & CALCULATIONS	
FA-07	WIRING DIAGRAMS	

Jeremey Locken, ET

Jerowy Lone

NICET Level III Fire Alarm

Certification #: 95603

Expires 07/2027



2ND STREET APARTMENTS 501 2ND ST NE PUYALLUP, WA 98372

REVISION:

FIRST RELEASE

THE DEPARTMENT CORRECTIONS

CORRECTIONS

FIRE ALARM SYSTEM
COVER SHEET

DRAWN BY: JEM SYSTEMS

DATE: 06.06.2025

SCALE: SEE DRAWINGS

	BUI	LDING DATA	
CONSTRUCTION TYPE:	V-B	FIRE PROTECTION:	FULLY SPRINKLERED
OCCUPANCY GROUP:	R-2	NUMBER OF STORIES:	3
WORK AREA:	20,019 SQFT		

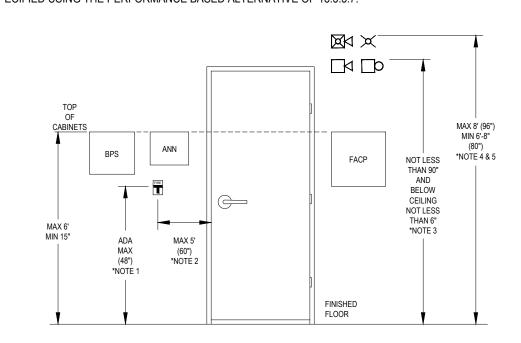
TYPICAL MOUNTING HEIGHTS

- 1. NFPA 72 2019 17.15.6 THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL BE NOT LESS THAN 42in AND NOT MORE THAN 48in FROM THE FINISHED FLOOR.
- 2. NFPA 72 2019 17.15.9.4 MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5ft OF EACH EXIT DOORWAY ON EACH FLOOR.

3. NFPA 72 2019 18.4.9.1 IF CEILING HEIGHTS ALLOW, AND UNLESS OTHERWISE PERMITTED BY 18.4.9.2 THROUGH

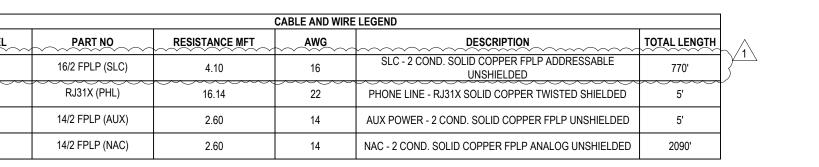
18.4.9.5, WALL-MOUNTED APPLIANCES SHALL HAVE THEIR TOPS ABOVE THE FINISHED FLOORS AT HEIGHTS OF

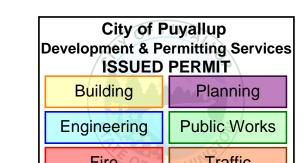
- NOT LESS THAN 90in AND BELOW THE FINISHED CEILINGS AT DISTANCES OF NOT LESS THAN 6in. 4. NFPA 72 2019 18.4.9.3 IF COMBINATION AUDIBLE/ VISIBLE APPLIANCES ARE INSTALLED, THE LOCATION OF THE INSTALLED APPLIANCE SHALL BE DETERMINED BY THE REQUIREMENTS OF 18.5.5. (SEE NOTE 5).
- 5. NFPA 72 2019 18.5.5.1 WALL-MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80in. AND NOT GREATER THAN 96in ABOVE THE FINISHED FLOOR OR AT THE MOUNTING HEIGHT SPECIFIED USING THE PERFORMANCE BASED ALTERNATIVE OF 18.5.5.7.

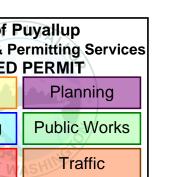


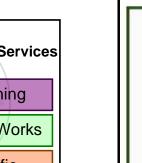
I	VIC	CINITY MAP		
	2nd SINE		8th Ave	
	50 1 2nd	SI NE	7th Ave	NE .
	5th Ave NE	5th Ave NE	5th Ave	STRING
	2nd St NE	4th Ave NE		Ve NE

			PMENT LIST	
SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
[FACII]	1	POTTER	IPA-4000	FIRE ALARM CONTROL PANEL
FACU	1	POTTER	UD-2000	PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER
DOC	1	SPACE AGE ELECTRONICS	SSU00685	DOCUMENT BOX
NAC	1	POTTER	PSN-64	POWER SUPPLY
CELL	1	POTTER	INTELLICOM-5GV	5G LTE-M DUAL PATH COMMERCIAL FIRE ALARM COMMUNICATOR (VERIZON)
ADM	1	POTTER	PAD100-DIM	ADRESSABLE DUAL MONITOR MODULE
F	1	POTTER	PAD100-PSSA	ADDRESSABLE PULL STATION
F _{WP}	6	POTTER	RMS-1T-WP PULL STATION W/PAD100-MIM	CONVENTIONAL MANUAL STATION W/ MICRO INPUT MODULE
H	6	POTTER	PAD300-HD W/PAD300-6DB	HEAT DETECTOR WITH 6" STANDARD BASE
\(\s\)	1	POTTER	PAD300-PD W/PAD300-6DB	SMOKE DETECTOR WITH 6" STANDARD BASE
₩ _P	6	POTTER	HS-24WR-WP	OUTDOOR HORN STROBE, WALL, RED
F _{LF}	58	POTTER	LFH-24W	LOW FREQUENCY HORN, WALL, WHITE
⊠ _{LF}	2	POTTER	PE-LFHSW	LED LOW FREQUENCY HORN STROBE, WALL, WHITE
	1	POTTER	PE-STW	LED STROBE, WALL, WHITE
Ê	1	POTTER	PDC-10-24	10" BELL









Party Site No.: 3670243 Expires: 31-Dec-2025

CERTIFICATE OF COMPLIANCE

THIS IS TO CERTIFY that the Alarm / Service Company identified below is included by - UL Solutions (UL) in its UL Product iQ directories as eligible to use the UL Listing Mark in connection with Certificated Systems. The only evidence of compliance with UL's requirements is the issuance of a UL Certificate for the System and the Certificate is active under UL's Certificate Verification Service. This Certificate does not apply in any way to the communication channel between the protected property and any facility that monitors signals from the protected property.

Listed Service From: FIFE, WASHINGTON

Alarm / Service Company: (3670243)

Max Power Electric, LLC 5009 Pacific Hwy E Ste 13

Fife, Washington 98424-2644 UNITED STATES

The Alarm / Service Company is Listed in the following Certificate Service Categories:

S36997 1

Listing Category Central-station Protective Signaling Services



THIS CERTIFICATE EXPIRES ON 31-DEC-25 "LOOK FOR THE UL ALARM / SYSTEM CERTIFICATE" NICET Level III Fire Alarm Certification #: 95603 Expires 07/2027

Jeremey Locken, ET

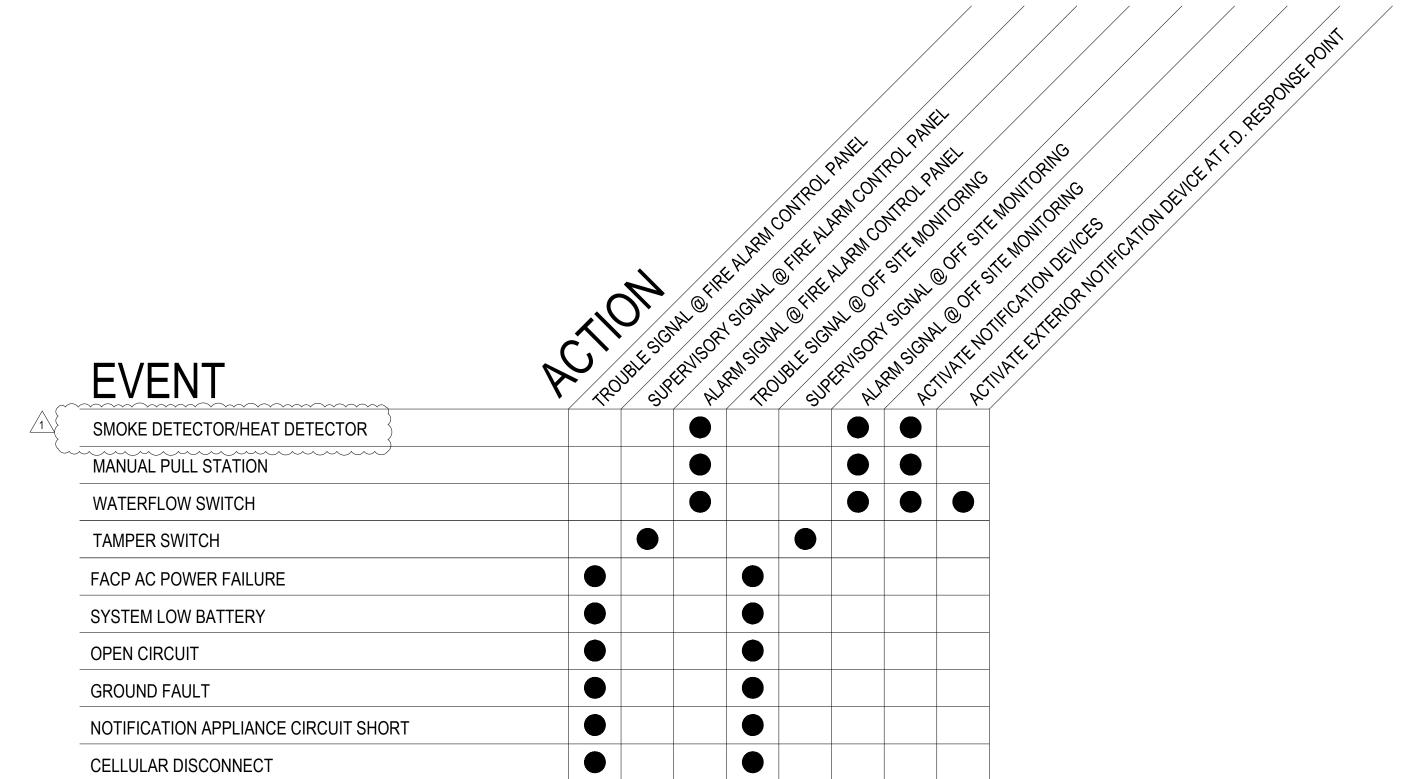
Jeroney Lover



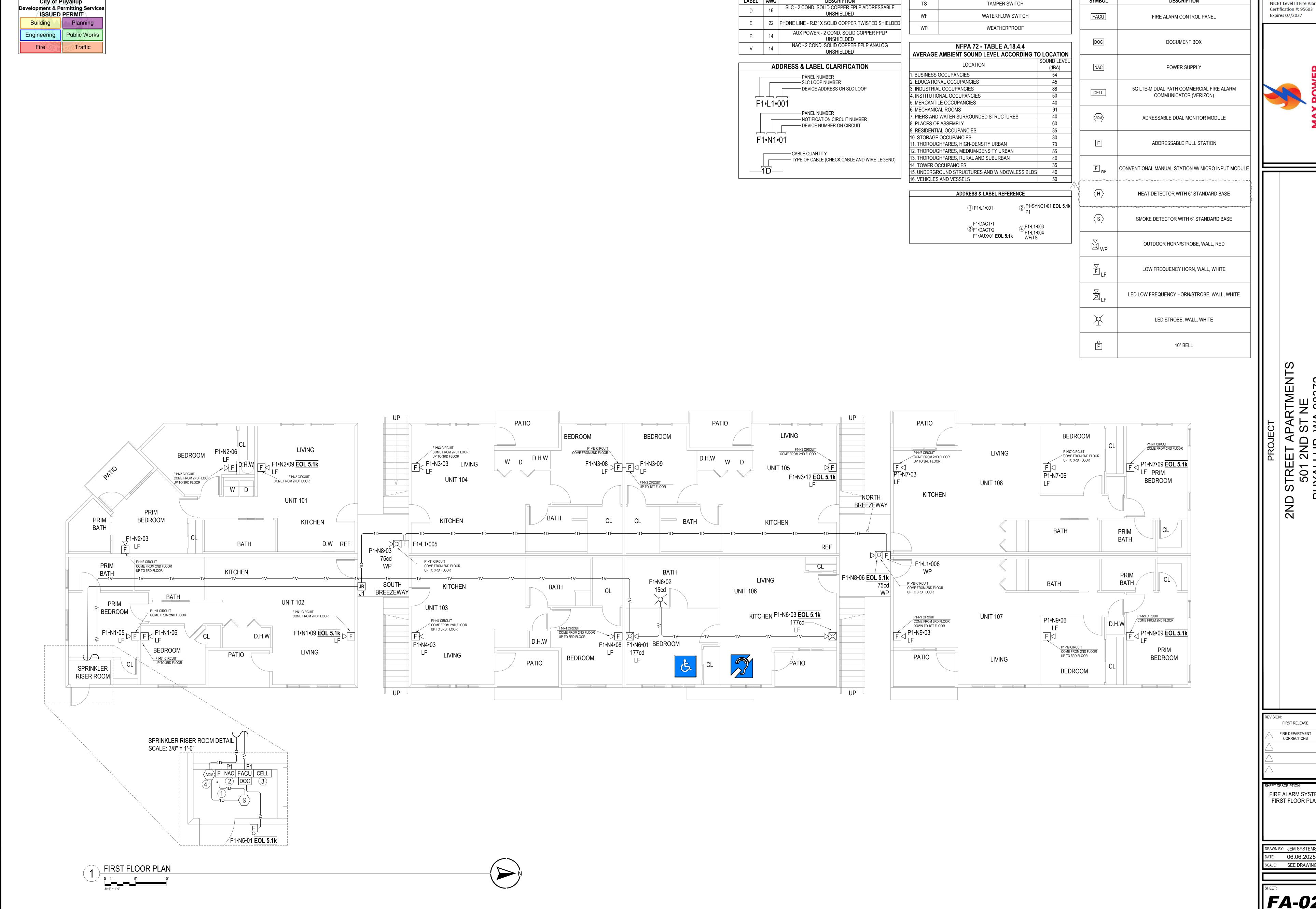
FIRST RELEASE FIRE DEPARTMENT CORRECTIONS

FIRE ALARM SYSTEM PROJECT INFORMATION

DRAWN BY: JEM SYSTEMS DATE: 06.06.2025 SCALE: SEE DRAWINGS



NOTE: ALL SIGNALS WILL BE SENT TO A CENTRAL STATION



City of Puyallup

CABLE & WIRE LEGEND

DESCRIPTION

LABEL AWG

ABBREVIATIONS

TAMPER SWITCH

RTMEI

Jeremey Locken, ET

Jeroney Loller

NICET Level III Fire Alarm

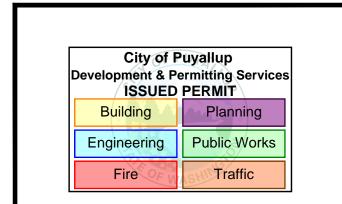
DEVICE LEGEND

DESCRIPTION

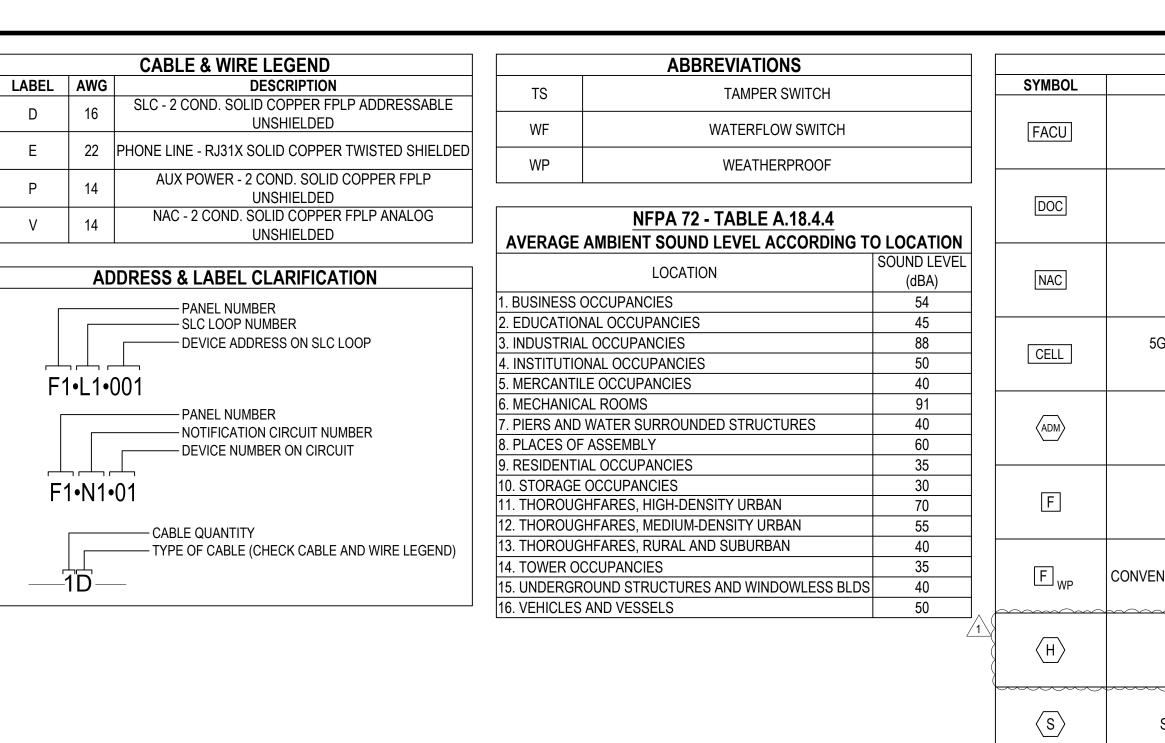
SYMBOL

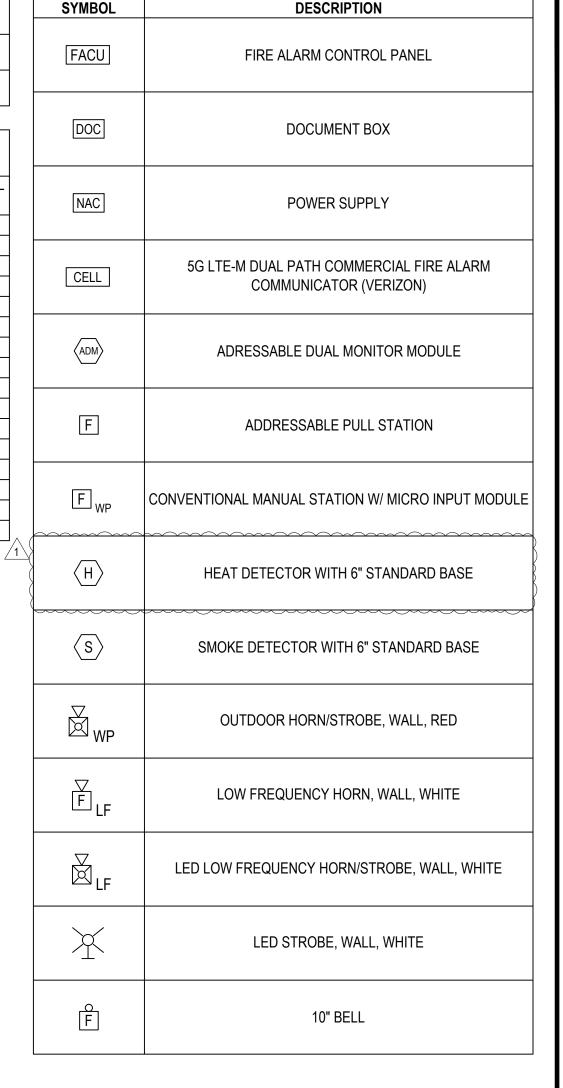
FIRST RELEASE FIRE DEPARTMENT

FIRE ALARM SYSTEM FIRST FLOOR PLAN

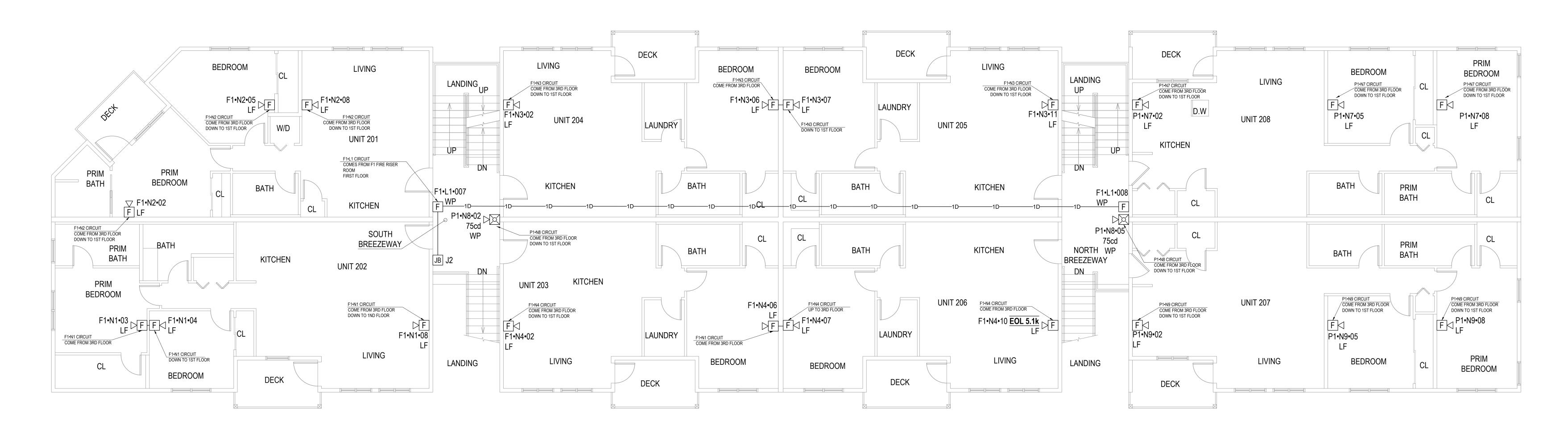


SECOND FLOOR PLAN





DEVICE LEGEND



N

RTME

2 N

Jeremey Locken, ET

Jeroney Loller

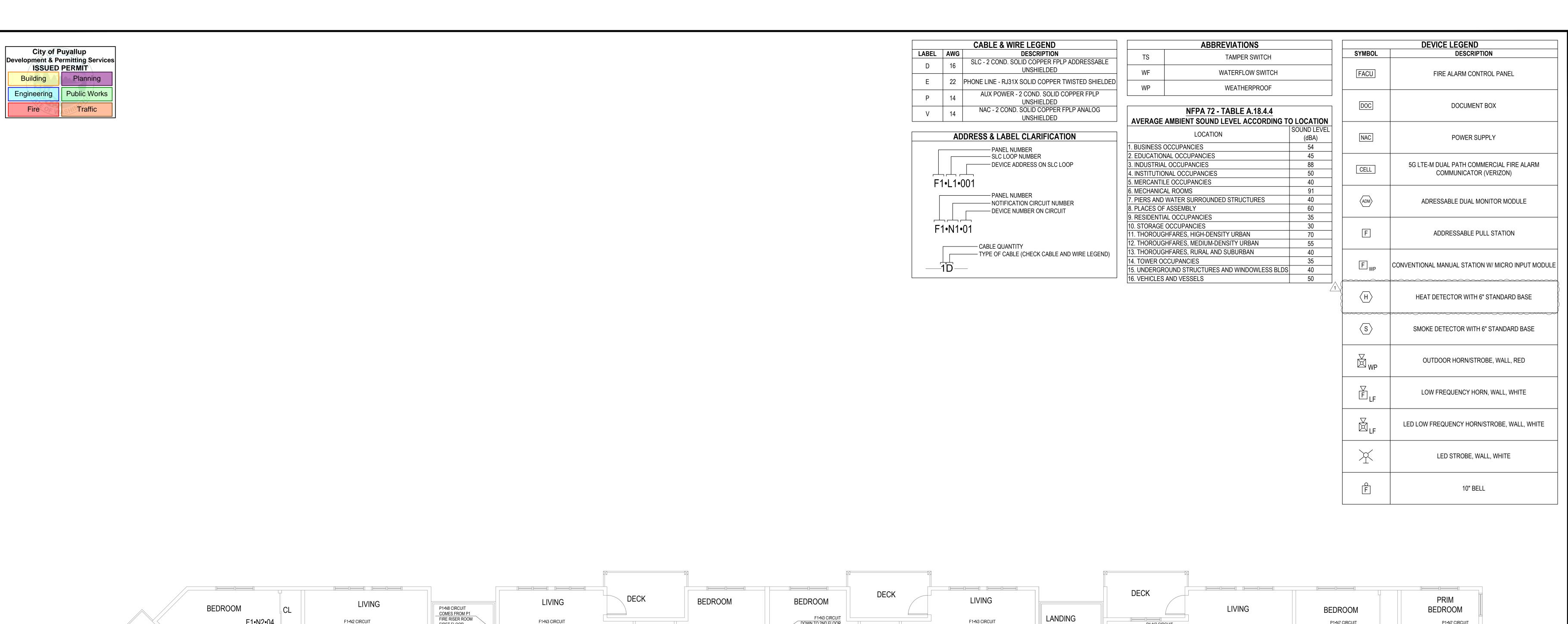
Certification #: 95603

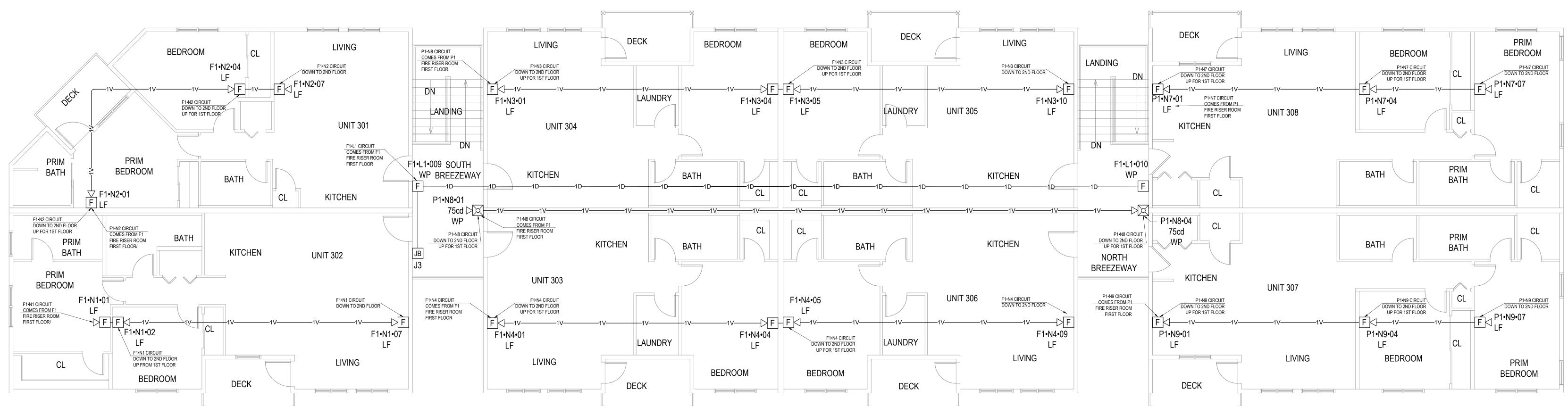
Expires 07/2027

NICET Level III Fire Alarm

SHEET DESCRIPTION:
FIRE ALARM SYSTEM
SECOND FLOOR PLAN

DRAWN BY: JEM SYSTEMS





THIRD FLOOR PLAN

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REVISION:

FIRST RELEASE

FIRE DEPARTMENT

CORRECTIONS

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Jeremey Locken, ET

Jeroney Loller

Certification #: 95603

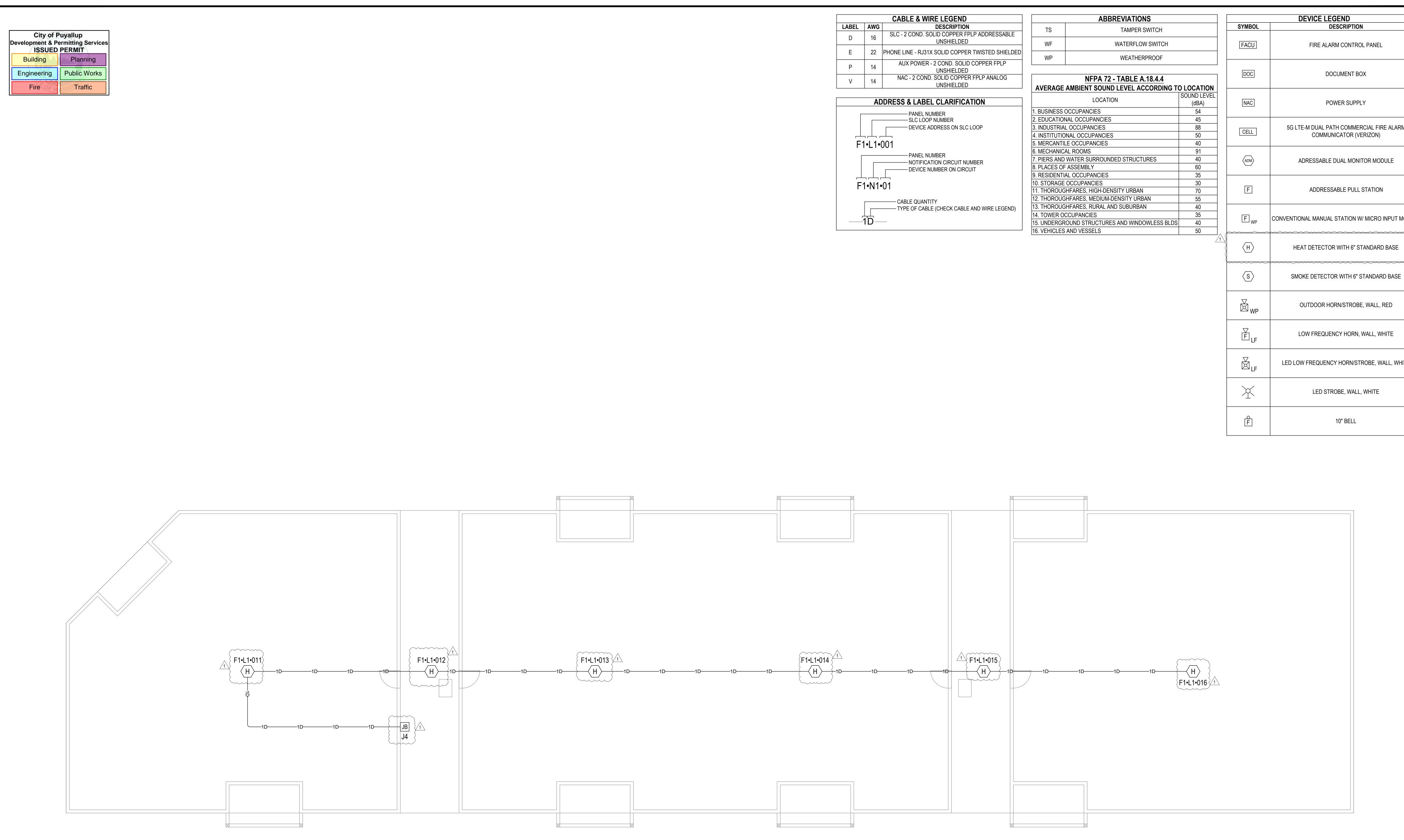
Expires 07/2027

NICET Level III Fire Alarm

FIRE ALARM SYSTEM THIRD FLOOR PLAN

DRAWN BY: JEM SYSTEMS

DATE: 06.06.2025



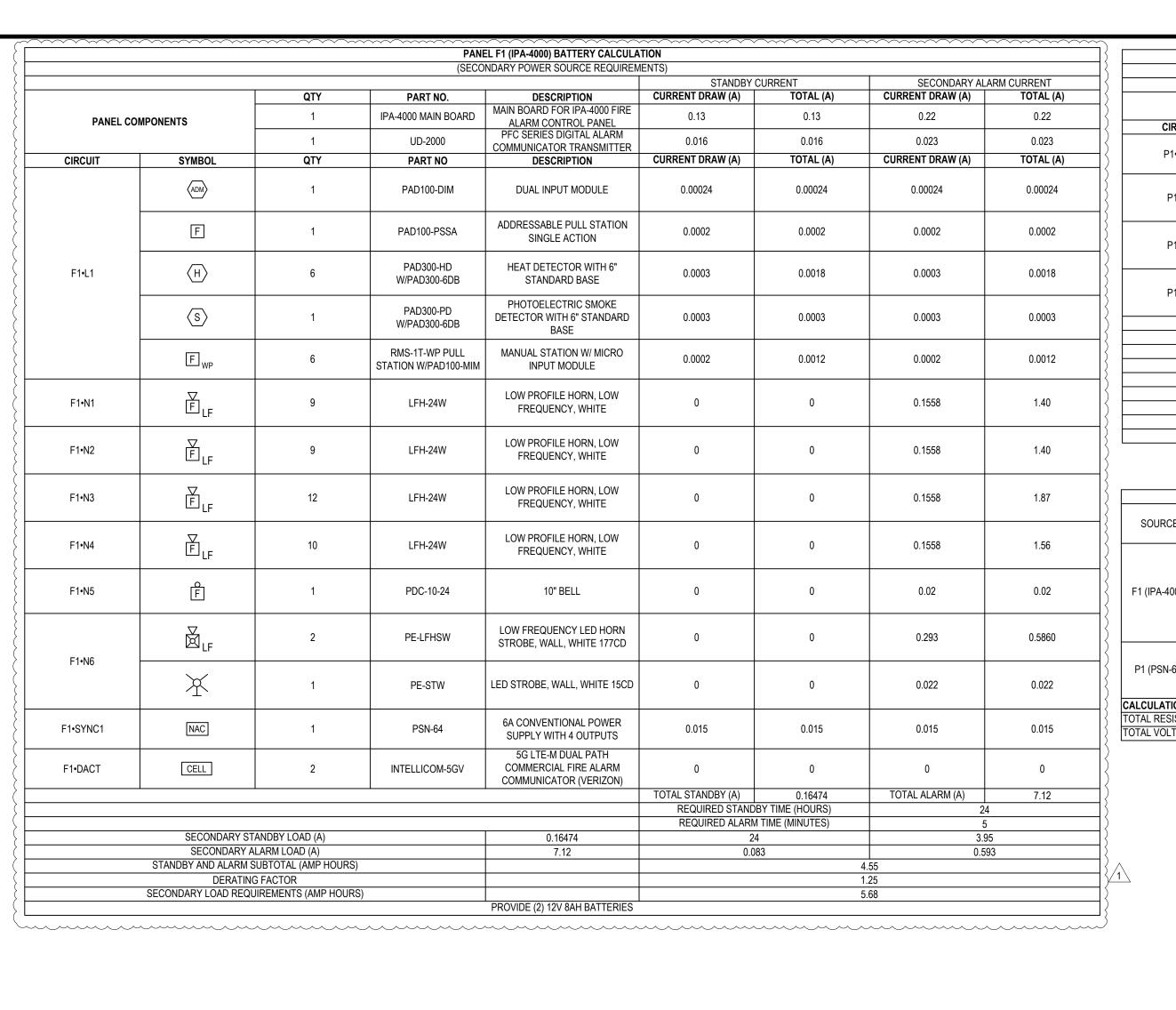
ATTIC PLAN

0 1' 5'

3/16" = 1'-0"

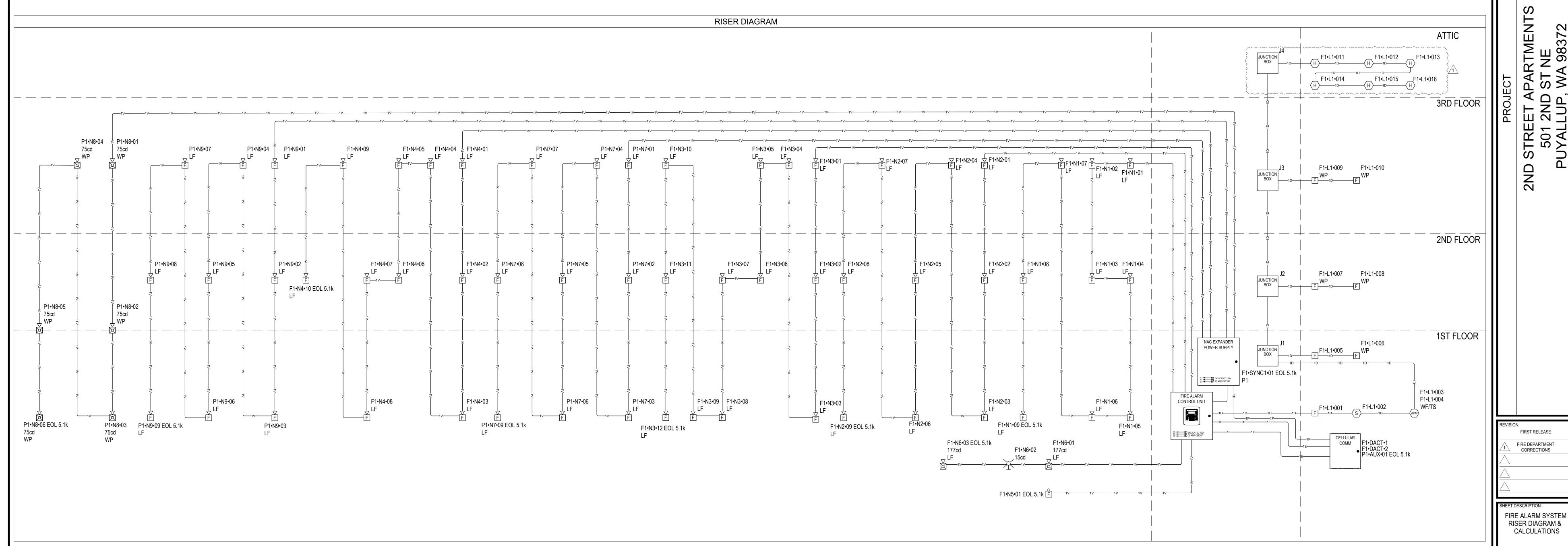
Jeremey Locken, ET Jeroney Lover NICET Level III Fire Alarm Certification #: 95603 Expires 07/2027 5G LTE-M DUAL PATH COMMERCIAL FIRE ALARM CONVENTIONAL MANUAL STATION W/ MICRO INPUT MODULE SMOKE DETECTOR WITH 6" STANDARD BASE LED LOW FREQUENCY HORN/STROBE, WALL, WHITE

FIRE ALARM SYSTEM ATTIC PLAN



			PAI	NEL P1 (PSN-64) BATTERY CALCULAT	TION			
				ONDARY POWER SOURCE REQUIREM				
			,		STANDBY C	URRENT	SECONDARY ALAI	RM CURRENT
DANEL 00	MONENTO	QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
PANEL CO	MPONENTS	1	PSN-64 MAIN BOARD	PSN-64 MAIN BOARD	0.075	0.075	0.075	0.075
CIRCUIT	SYMBOL	QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P1•AUX	CELL	1	INTELLICOM-5GV	5G LTE-M DUAL PATH COMMERCIAL FIRE ALARM COMMUNICATOR (VERIZON)	0.068	0.068	0.14	0.14
P1•N7	∇ F _{LF}	9	LFH-24W	LOW PROFILE HORN, LOW FREQUENCY, WHITE	0	0	0.1558	1.40
P1•N8	₩p	6	HS-24WR-WP	OUTDOOR HORN STROBE, FIXED 75 CANDELA, STANDARD ENCLOSURE, RED 75CD	0	0	0.168	1.01
P1•N9	F _{LF}	9	LFH-24W	LOW PROFILE HORN, LOW FREQUENCY, WHITE	0	0	0.1558	1.40
				1	TOTAL STANDBY (A)	0.143	TOTAL ALARM (A)	4.03
					REQUIRED STANDB	Y TIME (HOURS)	24	
					REQUIRED ALARM	TIME (MINUTES)	5	
		TANDBY LOAD (A)		0.143	24		3.43	
		ALARM LOAD (A)		4.03	0.08		0.336	}
		SUBTOTAL (AMP HOURS)					3.77	
		G FACTOR					1.25	
	SECONDARY LOAD REQ	UIREMENTS (AMP HOURS)				4.71	
				PROVIDE (2) 12V 7AH BATTERIES				

									LUMP SUM REP	ORT SUMMARY									
SOURCE	CIRCUIT	PART NO	MAX. CARD CURRENT (A)	TOTAL CARD CURRENT (A)	SPARE CARD CURRENT (A)	SPARE CARD CURRENT %	MAX. CIRCUIT CURRENT (A)	TOTAL CIRCUIT CURRENT (A)	SPARE CIRCUIT CURRENT (A)	SPARE CIRCUIT CURRENT %	WIRE GAUGE	WIRE RESISTANCE (Ω/KFT)	TOTAL CIRCUIT LENGTH (FT)	TOTAL CIRCUIT RESISTANCE (Ω)	STARTING CALCULATION VOLTAGE	MIN. OPERATIONAL VOLTAGE	MAX. VOLTAGE DROP	END OF LINE VOLTAGE	VOLTAGE DROP %
)	N1						3	1.40	1.60	53.26 %	14	2.60	338	1.76	20.40	16	2.47	17.93	12.09 %
	N2]					3	1.40	1.60	53.26 %	14	2.60	188	0.978	20.40	16	1.37	19.03	6.72 %
)	N3	IPA-4000 MAIN					3	1.87	1.13	37.68 %	14	2.60	244	1.27	20.40	16	2.37	18.03	11.63 %
f1 (IPA-400	O) N4	BOARD	10	6.88	3.12	31.23 %	3	1.56	1.44	48.07 %	14	2.60	242	1.26	20.40	16	1.96	18.44	9.63 %
í	N5] 50/11/5					1	0.02	0.980	98.00 %	14	2.60	58	0.300231	20.40	16	0.00601	20.39	0.03 %
)	N6	1					3	0.6080	2.39	79.73 %	14	2.60	124	0.645	20.40	16	0.3919	20.01	1.92 %
)	SYNC1						3	0.015	2.99	99.50 %	14	2.60	3	0.013	20.40	16	0.0002	20.40	0.00 %
)	AUX						3	0.14	2.86	95.33 %	14	2.60	5	0.028167	20.40	16	0.00394	20.40	0.02 %
P1 (PSN-64	N7	PSN-64 MAIN	6	3.95	2.05	34.13 %	3	1.40	1.60	53.26 %	14	2.60	339	1.76	20.40	16	2.47	17.93	12.12 %
, , , , , , , ,	′ N8	BOARD		0.00	2.00	04.10 /0	3	1.01	1.99	66.40 %	14	2.60	228	1.19	20.40	16	1.20	19.20	5.86 %
)	N9						3	1.40	1.60	53.26 %	14	2.60	286	1.49	20.40	16	2.08	18.32	10.21 %
CALCULATIO																			
	TANCE (Ω) = WIRE RE																		
TOTAL VOLTA	GE DROP = TOTAL R	ESISTANCE (Ω) X T	OTAL CIRCUIT CU	RRENT (A)															



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RAWN BY: JEM SYSTEMS DATE: 06.06.2025

FIRST RELEASE

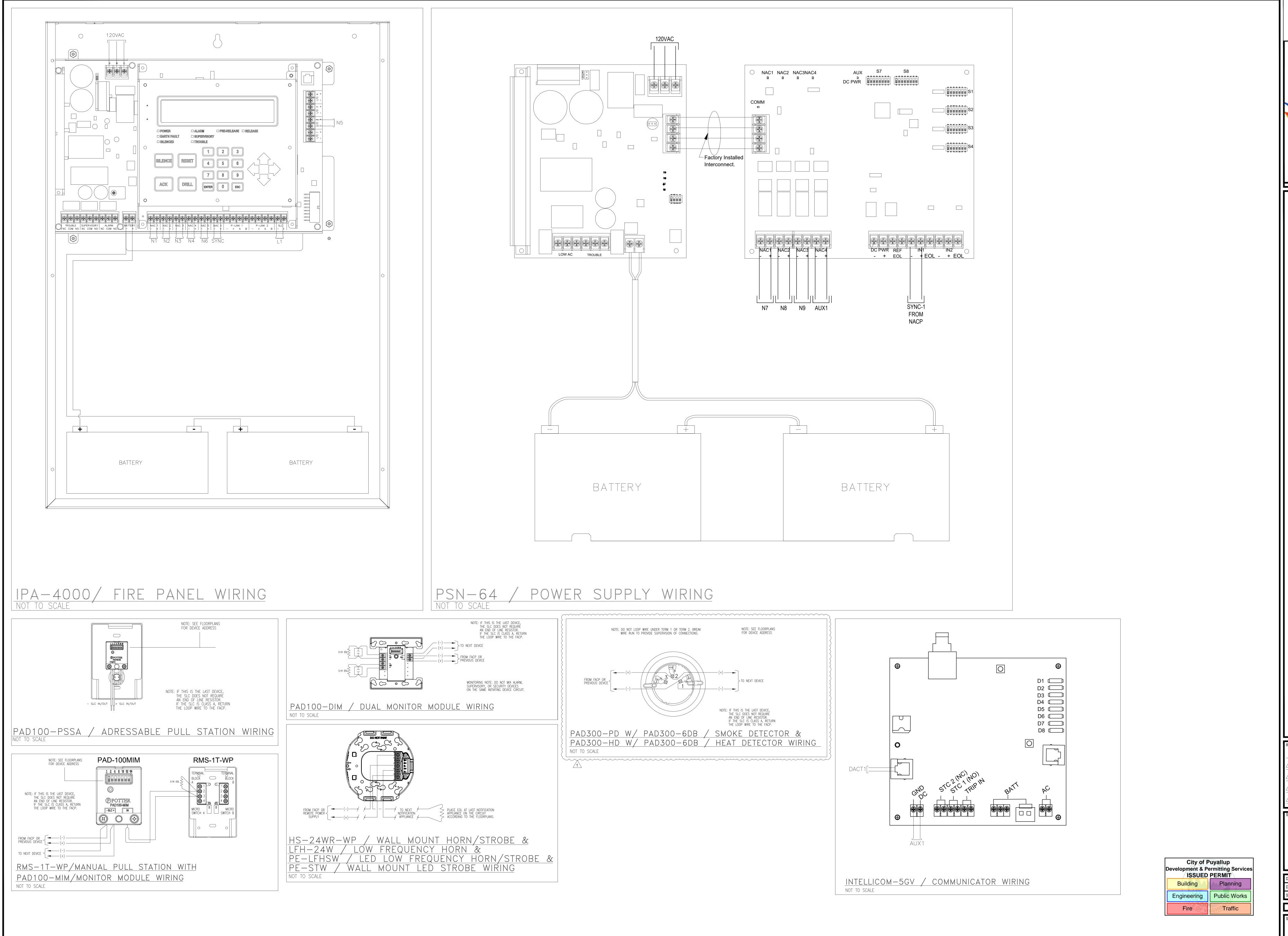
FIRE DEPARTMENT CORRECTIONS

Jeremey Locken, ET

Jeroney Loller NICET Level III Fire Alarm

Certification #: 95603

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Jerowy Forther

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STREET APARTMENTS 501 2ND ST NE UYALLUP, WA 98372

FIRST RELEASE

FIRE DEPARTMENT
CORRECTIONS

FIRE ALARM SYSTEM WIRINGS DIAGRAMS

DRAWN BY: JEM SYSTEMS

DATE: 06.06.2025

SCALE: SEE DRAWINGS