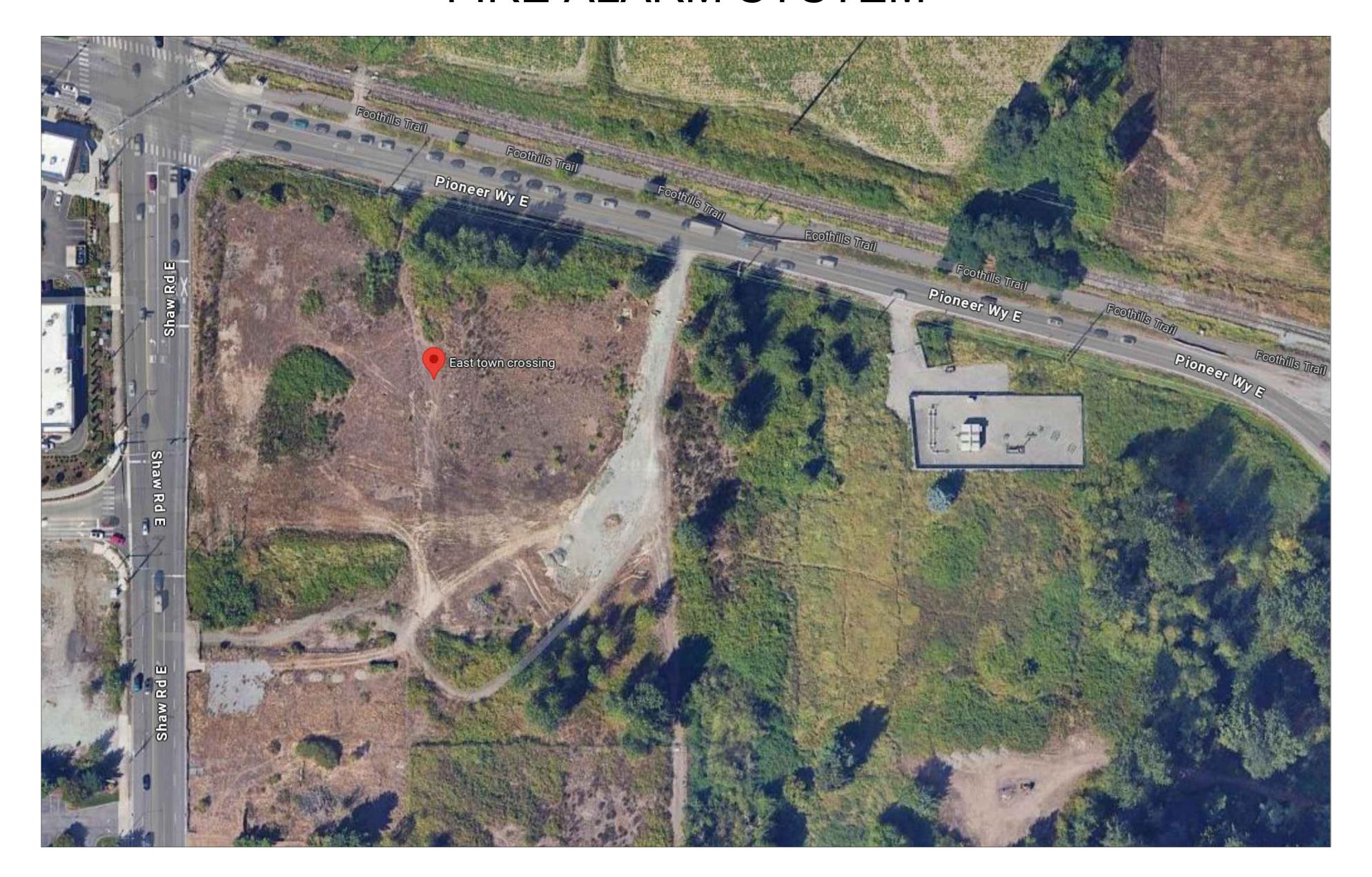
EAST TOWN CROSSING CLUBHOUSE

SHAW RD E & PIONEER WY E PUYALLUP, WA 98372

FIRE ALARM SYSTEM



GENERAL NOTES

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 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. CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY

DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. THE POWER CIRCUIT TO THE FACP AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 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.

ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR

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. 12. ONLY FIRE ALARM SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.

13. MAINTAIN 40 PERCENT MAXIMUM CONDUIT FILL RATIO AS PER NEC REQUIREMENTS. 14. 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.

NEW MANUAL AND AUTOMATIC FIRE ALARM SYSTEM IN A NEW CLUBHOUSE BUILDING. NEW FIRE ALARM PANEL IS BEING INSTALLED ALONG WITH NOTIFICATION DEVICES AS PER THE APPLICABLE CODES. THE SPRINKLER WATERFLOW SWITCH IS BEING MONITORED TO ACTIVATE NOTIFICATION DEVICES UPON ALARM. APPLICABLE CODES

SCOPE OF WORK

INTERNATIONAL BUILDING CODE - 2021 ED. INTERNATIONAL MECHANICAL CODE - 2021 ED. UNIFORM PLUMBING CODE - 2021 ED. INTERNATIONAL FUEL GAS CODE - 2021 ED. INTERNATIONAL ENERGY CONSERVATION CODE - 2021 ED. NATIONAL ELECTRICAL CODE - 2023 ED. INTERNATIONAL FIRE CODE - 2021 ED. ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010 ED. NFPA 72 2019 EDITION

> CONTRACTOR INFO SYSTEM DESIGNER/INSTALLER MAX POWER ELECTRIC hmadeira@jemsystems.com 480-977-3555 PHONE #: 253-838-4400

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

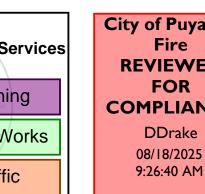
	SHEET INDEX
HEET#	SHEET DESCRIPTION
FA-00	COVER SHEET
FA-01	PROJECT INFORMATION

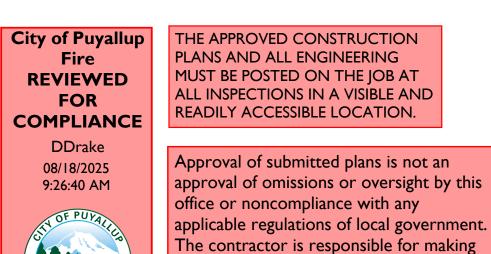
WIRING DIAGRAMS

FIRST FLOOR PLAN, SECOND FLOOR PLAN AND ROOF FLOOR PLAN

CALCULATIONS, RISER DIAGRAM AND WIRING DIAGRAMS

City of P Development & Po ISSUED	
Building	Planning
Engineering	Public Works
Fire OF W	Traffic





sure that the building complies with all applicable building codes and regulations of

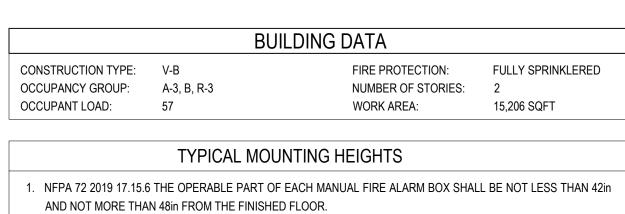
the local government.



REVISION	N:	
	FIRST RELEASE	
$\overline{\triangle}$		
\triangle		
\triangle		

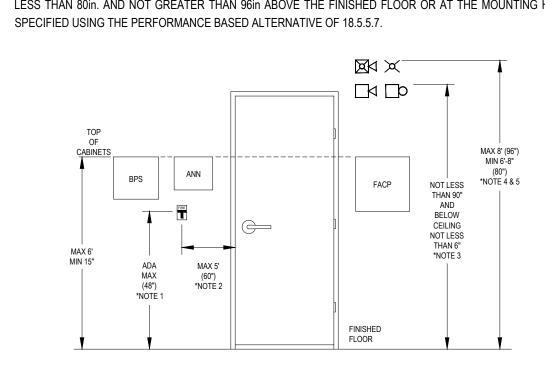
HEET DESCRIPTION: FIRE ALARM SYSTEM **COVER SHEET**

RAWN BY: JEM SYSTEMS DATE: 06.27.2025 SCALE: SEE DRAWINGS



THE THE PERSON WILL BE THE PERSON BETTER BOX OF THE BETT	01 2200 1111 111 12111
AND NOT MORE THAN 48in FROM THE FINISHED FLOOR.	
NFPA 72 2019 17.15.9.4 MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5ft OF EACON EACH FLOOR.	CH EXIT DOORWAY

- 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

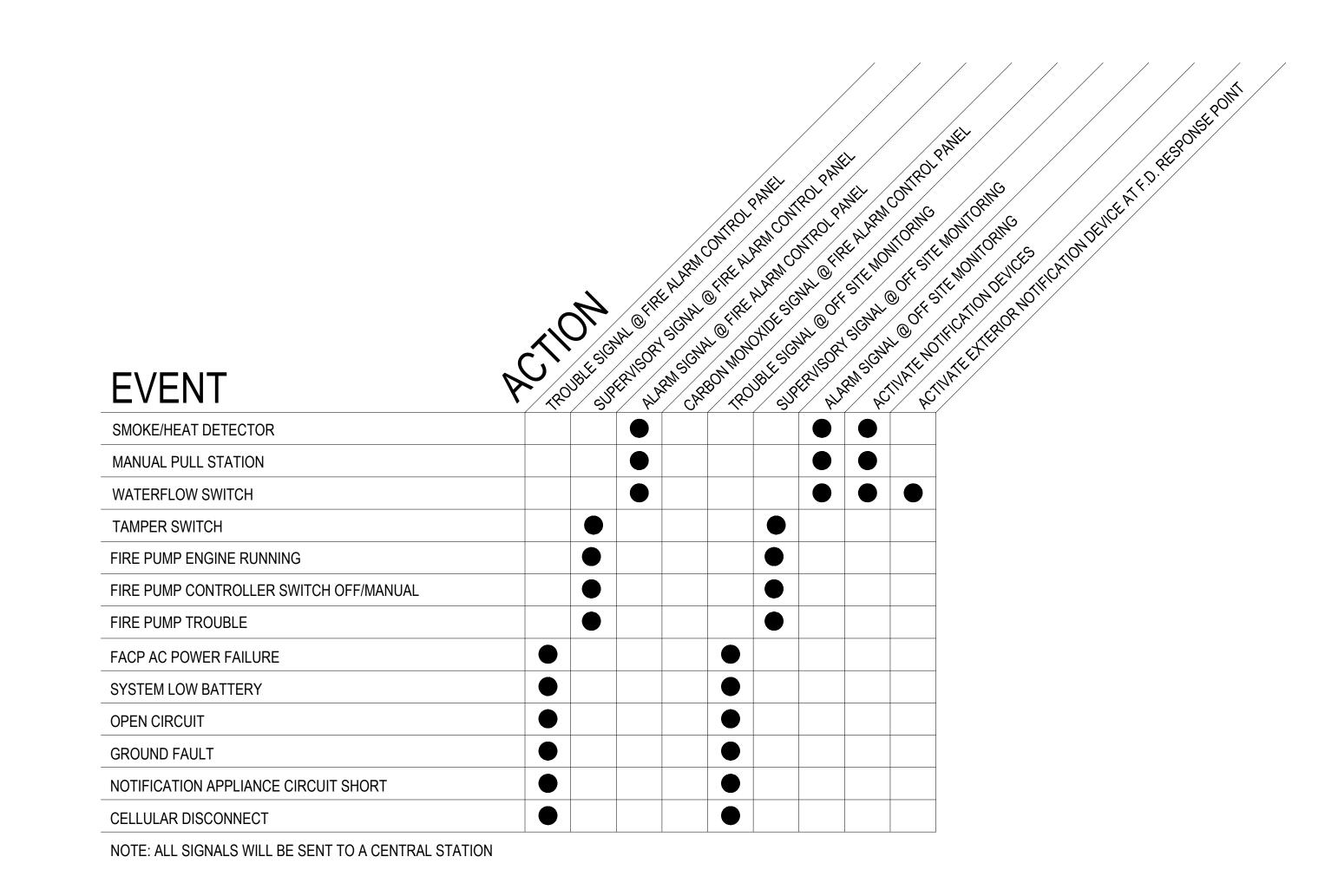


		EOLIID	MENT LIST	
SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
	1	POTTER	IPA-4000	FIRE ALARM CONTROL PANEL
FACU	1	POTTER	UD-2000	PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER
DOC	1	SPACE AGE ELECTRONICS	SSU00685	FIRE ALARM DOCUMENT BOX
FAA	1	POTTER	RA-6075R	LCD RELEASING ANNUNCIATOR
CELL	1	POTTER	INTELLICOM-5GV	5G LTE-M DUAL PATH COMMERCIAL FIRE ALARM COMMUNICATOR (VERIZON)
F	7	POTTER	PAD100-PSDA	ADDRESSABLE PULL STATION DUAL ACTION
(ADM)	1	POTTER	PAD100-DIM	ADDRESSABLE DUAL INPUT MODULE
(AIM)	3	POTTER	PAD100-SIM	ADDRESSABLE SINGLE INPUT MODULE
⟨S⟩	8	POTTER	PAD300-PD W/PAD300-6DB	ADDRESSABLE SMOKE DETECTOR WITH STANDARD BASE
(H)	9	POTTER	PAD300-HD W/PAD300-6DB	ADDRESSABLE HEAT DETECTOR WITH STANDARD BASE
X	9	POTTER	PE-HSW	HORN STROBE, WALL, WHITE
∇ F _{LF}	3	POTTER	PE-LFHNW	LOW FREQUENCY SOUNDER HORN, WALL, WHITE
₩ _P	1	POTTER	HS-24WR-WP	OUTDOOR HORN STROBE, WALL, FIXED 75 CANDELA, RED
¥ _{WP}	2	POTTER	PE-RST-FW	WEATHERPROOF, LED STROBE, WALL, WHITE

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:	
File Vol No. CCN Listing Category	
S36997 1 UUFX Central-station Protective Signaling Services	
THIS CERTIFICATE EXPIRES ON 31-DEC-25	
"LOOK FOR THE UL ALARM / SYSTEM CERTIFICATE"	

		CA	ABLE ANI	D WIRE LEGEND	
LABEL	PART NO	RESISTANCE MFT	AWG	DESCRIPTION	TOTAL LENGTH
<u>A</u>	18/4 FPLP (ANN)	6.50	18	ANNUNCIATOR - 4 COND. SOLID COPPER	49'
D	16/2 FPLP (SLC)	4.10	16	SLC - 2 COND. SOLID COPPER FPLP ADD	410'
E	RJ31X (PHL)	16.14	22	PHONE LINE - RJ31X SOLID COPPER TWI	5'
V	14/2 FPLP (NAC)	2.60	14	NAC - 2 COND. SOLID COPPER FPLP ANA	316'

SITE PLAN	
SHAW ROAD E BUILDING H	AREA OF WORK
BUILDING G BUILDING B BUILDING C BUILDING F	UILDING E
	PIOWEER WAY



City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic

NICET Level III Fire Alarm Certification #: 95603 Expires 07/2027



EAST TOWN CROSSING CLUBHOUS
SHAW RD E & PIONEER WY E

REVISION:
FIRST RELEASE

SHEET DESCRIPTION:
FIRE ALARM SYSTEM
PROJECT INFORMATION

DRAWN BY: JEM SYSTEMS

DATE: 06.27.2025

SCALE: SEE DRAWINGS



ADDRES

F1+L1+001

F1+L1+001

PANEL NAME:
F1: FIRE ALARM CON

ADDRES

Engineering

Public Works

Traffic

SYME	BOL	DEVICE LEGEND DESCRIPTION
		FIRE ALARM CONTROL PANEL
FAC	:U]	PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER
DO	С	FIRE ALARM DOCUMENT BOX
FAA	A	LCD RELEASING ANNUNCIATOR
CEL	L	5G LTE-M DUAL PATH COMMERCIAL FIRE ALARM COMMUNICATOR (VERIZON)
F]	ADDRESSABLE PULL STATION DUAL ACTION
ADM	n)	ADDRESSABLE DUAL INPUT MODULE
AIN	ń	ADDRESSABLE SINGLE INPUT MODULE
<u>(s</u>	\rangle	ADDRESSABLE SMOKE DETECTOR WITH STANDARD BASE
(H	\rangle	ADDRESSABLE HEAT DETECTOR WITH STANDARD BASE
V	,	HORN STROBE, WALL, WHITE
F	LF	LOW FREQUENCY SOUNDER, WALL, WHITE
V,	WP	OUTDOOR HORN STROBE, WALL, FIXED 75 CANDELA, RED
X	WP	WEATHERPROOF, LED STROBE, WALL, WHITE
JB		JUNCTION BOX
	CA	BLE AND WIRE LEGEND
LABEL	AWG	DESCRIPTION
	40	ANNUMERICATOR ACCUR COURT CORETT

Jeremey Locken, ET

NICET Level III Fire Alarm Certification #: 95603 Expires 07/2027

V	14	NAC - 2 COND. SOLID COPPER FPLP ANA
	ADDRES	S & LABEL CLARIFICATION
F1•	P/	ANEL NUMBER LC LOOP NUMBER EVICE ADDRESS ON SLC LOOP
F1•	N	ANEL NUMBER OTIFICATION CIRCUIT NUMBER EVICE NUMBER ON CIRCUIT
		ABLE QUANTITY YPE OF CABLE (CHECK CABLE AND WIRE LEGEND)
PANEL N F1: FIRE	IAME: ALARM CONTI	ROL PANEL

ANNUNCIATOR - 4 COND. SOLID COPPER ...

SLC - 2 COND. SOLID COPPER FPLP ADD...

PHONE LINE - RJ31X SOLID COPPER TWI...

F1: FIRE ALARM CONTROL PANE	L
ADDRESS & LA	ABEL REFERENCE
1 F1•L1•002 WF/TS FIELD LOCATED	②F1•L1•003

AVERAGE AMBIENT SOUND LEVEL ACCORDING	
LOCATION	SOUND LEVEL
LOOATION	(dBA)
1. BUSINESS OCCUPANCIES	54
2. EDUCATIONAL OCCUPANCIES	45
3. INDUSTRIAL OCCUPANCIES	88
4. INSTITUTIONAL OCCUPANCIES	50
5. MERCANTILE OCCUPANCIES	40
6. MECHANICAL ROOMS	91
7. PIERS AND WATER SURROUNDED STRUCTURES	40
8. PLACES OF ASSEMBLY	60
9. RESIDENTIAL OCCUPANCIES	35
10. STORAGE OCCUPANCIES	30
11. THOROUGHFARES, HIGH-DENSITY URBAN	70
12. THOROUGHFARES, MEDIUM-DENSITY URBAN	55
13. THOROUGHFARES, RURAL AND SUBURBAN	40
14. TOWER OCCUPANCIES	35

15. UNDERGROUND STRUCTURES AND WINDOWLESS BLDS

16. VEHICLES AND VESSELS

SHEET DESCRIPTION:
FIRE ALARM SYSTI
FIRST FLOOR PLA
SECONDFLOOR PL
AND ROOF FLOOR P
DDAWALDY, IFM CVCTEM

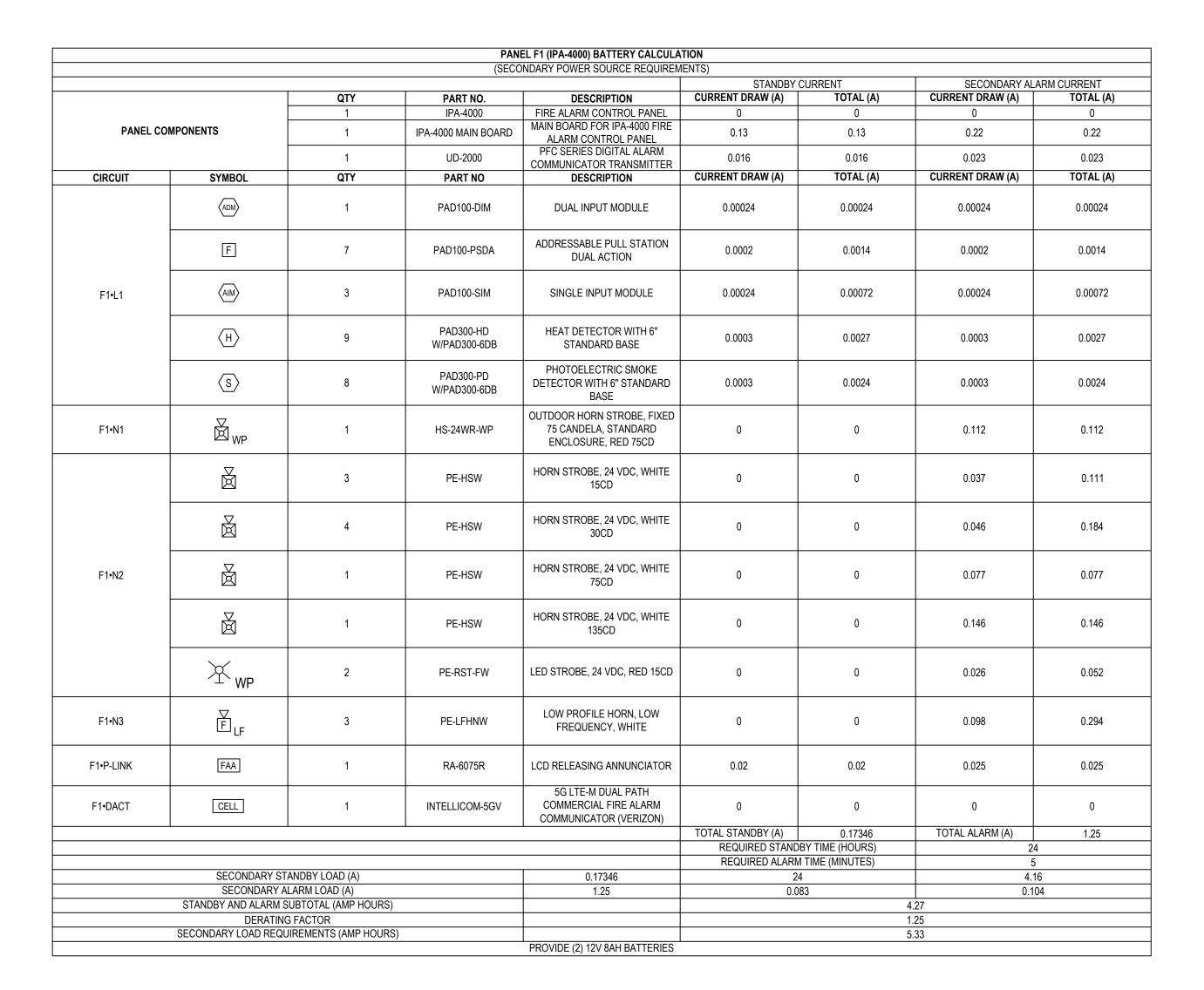
FIRST RELEASE

DRAWN BY: JEM SYSTEMS

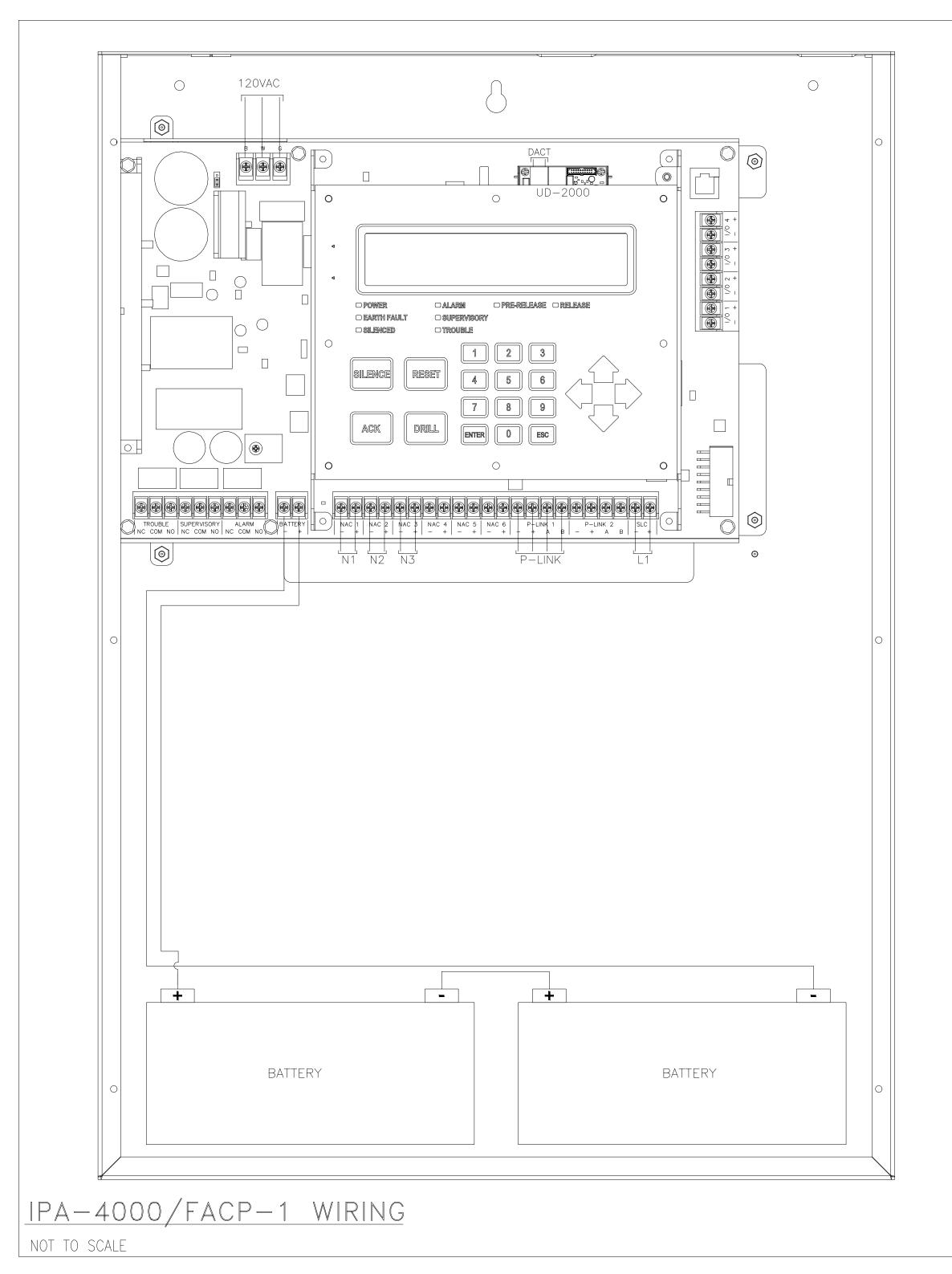
DATE: 06.27.2025

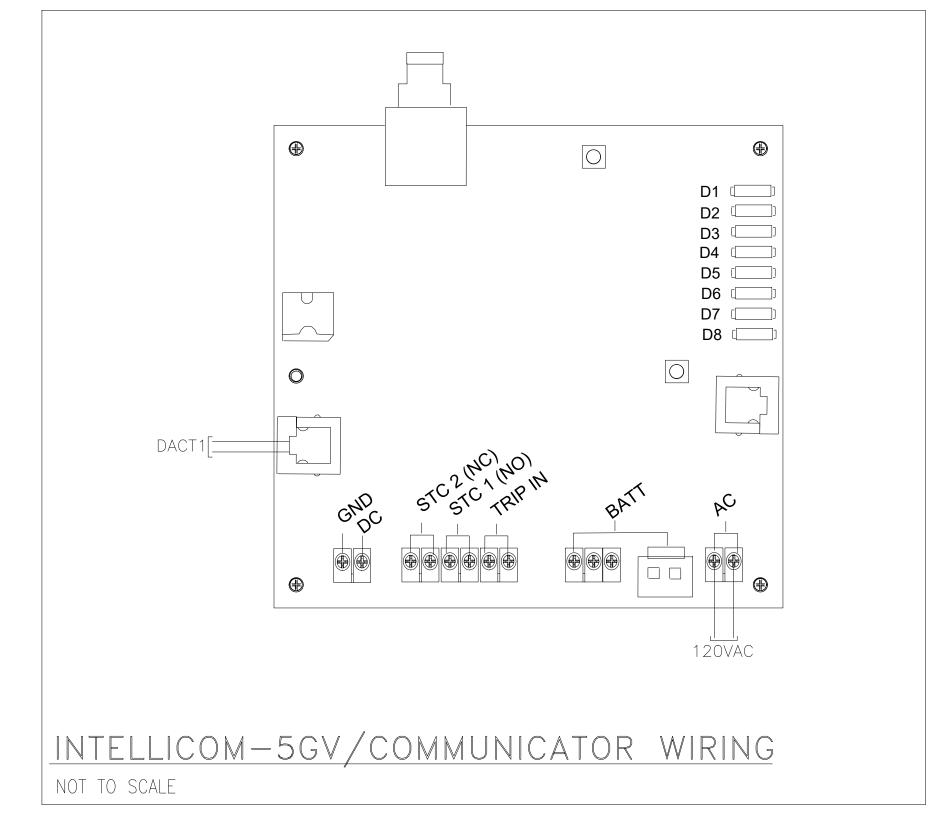
SCALE: SEE DRAWINGS

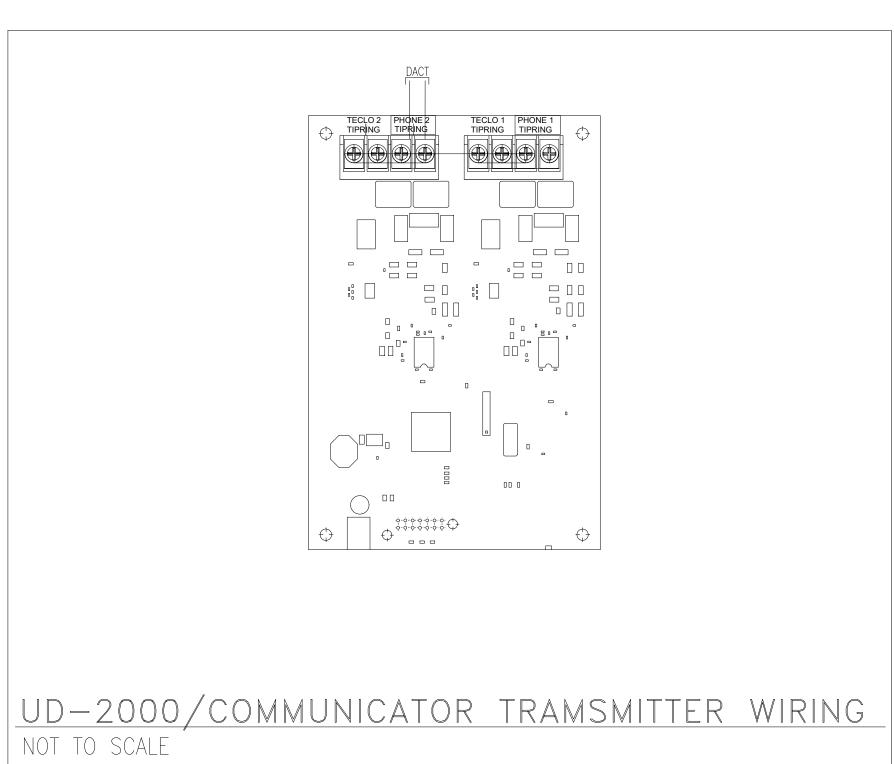
EAST TOWN CROSSING CLUBH SHAW RD E & PIONEER WY PUYALLUP, WA 98372

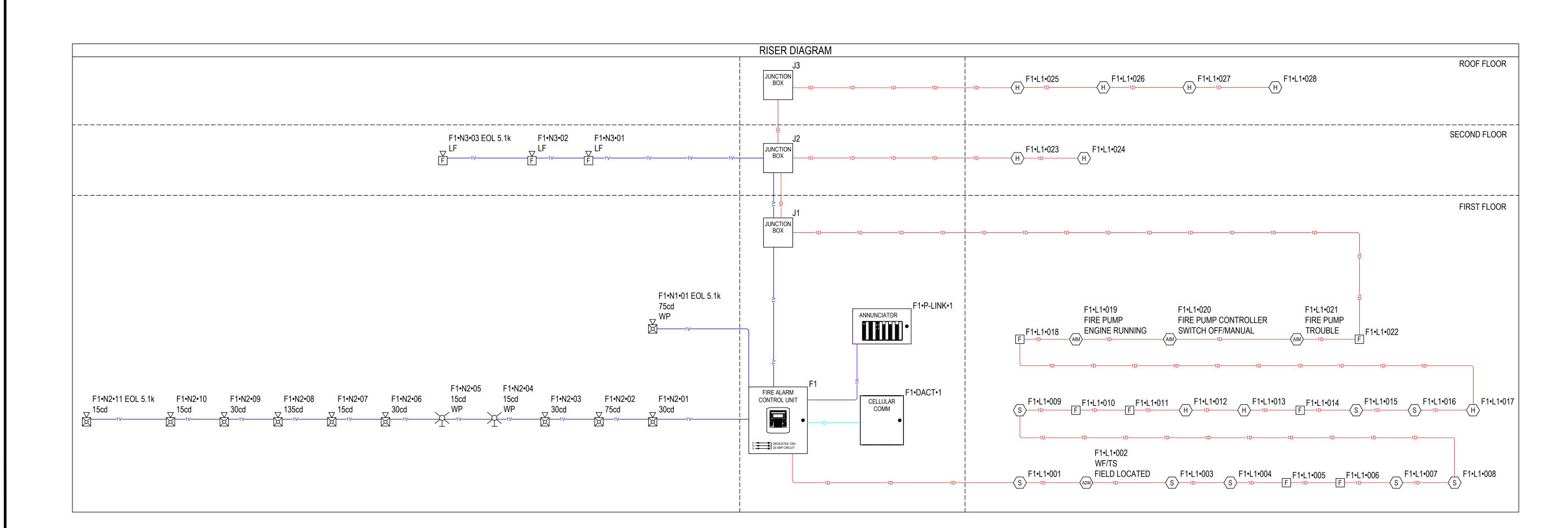


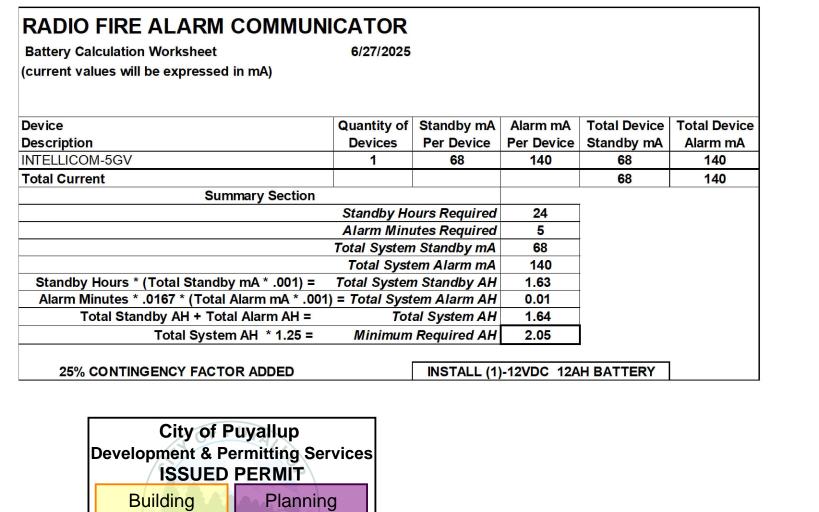
	LUMP SUM REPORT SUMMARY																		
SOURCE	CIRCUIT	PART NO	MAX. CARD CURRENT (A)	TOTAL CARD CURRENT (A)	SPARE CARD CURRENT (A)	SPARE CARD CURRENT %	MAX. CIRCUIT CURRENT (A)	TOTAL CIRCUIT CURRENT (A)	SPARE CIRCUIT CURRENT (A)	SPARE CIRCUIT CURRENT %	WIRE GAUGE	WIRE RESISTANCE (Ω/KFT)	TOTAL CIRCUIT LENGTH (FT)		STARTING CALCULATION VOLTAGE	MIN. OPERATIONAL VOLTAGE	MAX. VOLTAGE DROP	END OF LINE VOLTAGE	VOLTAGE DROP %
F1 (IPA-4000)	N2	IPA-4000 MAIN BOARD	10	1.01	8.99	89.92 %	3	0.112	2.89	96.27 %	14	2.60	21	0.108671	20.40	16	0.01	20.39	0.06 %
							3	0.570	2.43	81.00 %	14	2.60	212	1.10	20.40	16	0.630	19.77	3.08 %
							3	0.294	2.71	90.20 %	14	2.60	83	0.431712	20.40	16	0.13	20.27	0.62 %
							1	0.025	0.9750	97.50 %	18	6.50	49	0.641	24	18	0.02	23.98	0.07 %
CALCULA [*]	CALCULATION METHODS:																		
TOTAL RE	TOTAL RESISTANCE (Ω) = WIRE RESISTANCE (Ω /FT) X 2 X TOTAL CIRCUIT LENGTH (FT)																		
TOTAL VO	LTAGE DR	ROP = TOTA	L RESISTAN	VCE (Ω) X TO	OTAL CIRCU	JIT CURREN	T (A)												











Engineering

Public Works

Traffic

Jeremey Locken, ET

Jerowy Soller

NICET Level III Fire Alarm

Certification #: 95603

Expires 07/2027



EAST TOWN CROSSING CLUBHOUS SHAW RD E & PIONEER WY E PUYALLUP, WA 98372

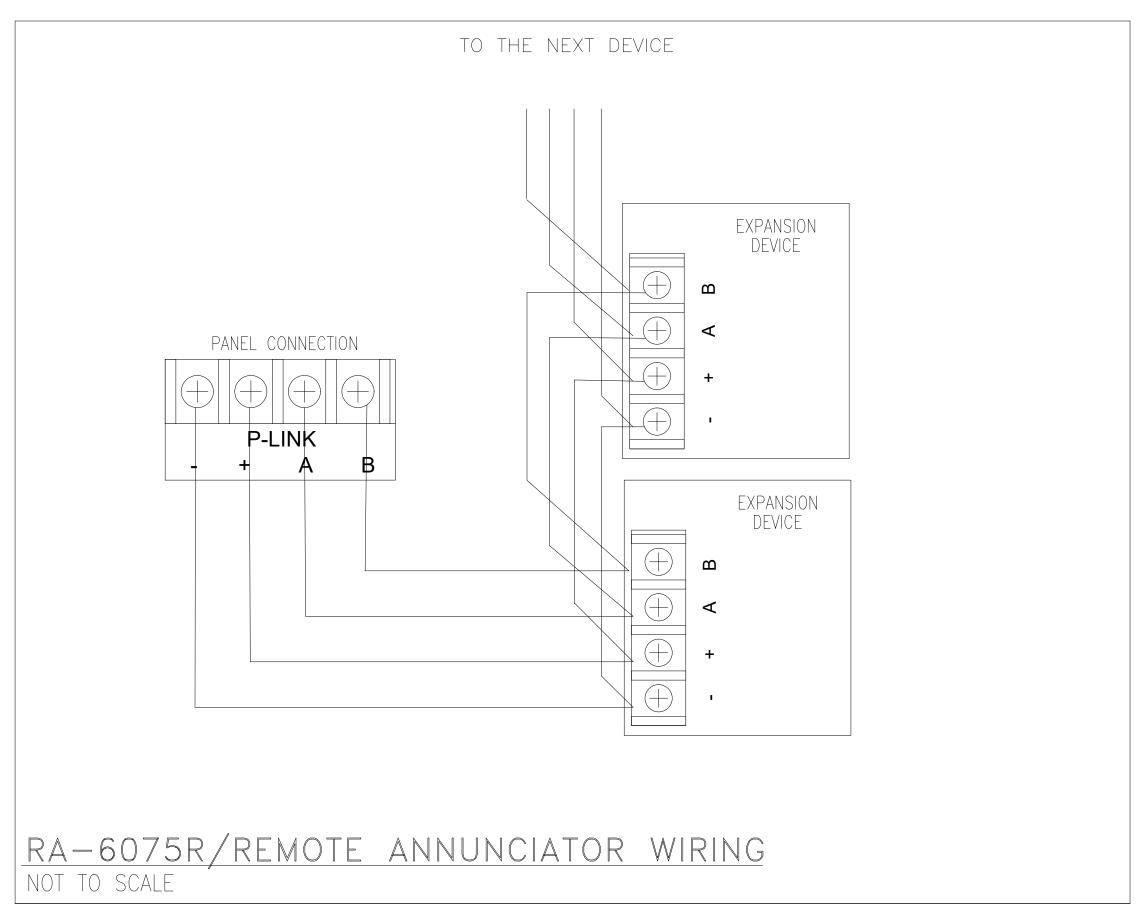
VISION:
FIRST RELEASE

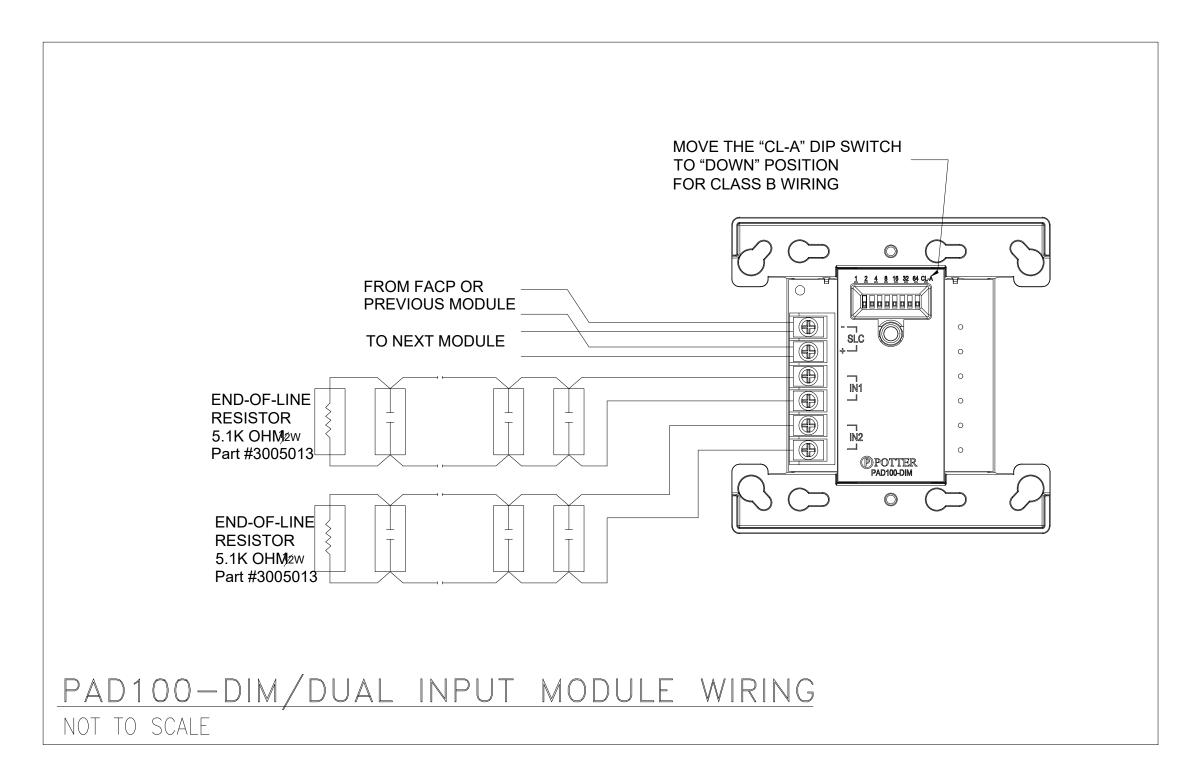
SHEET DESCRIPTION:
FIRE ALARM SYSTEM
CALCULATIONS
RISER DIAGRAM
AND WIRING DIAGRAMS

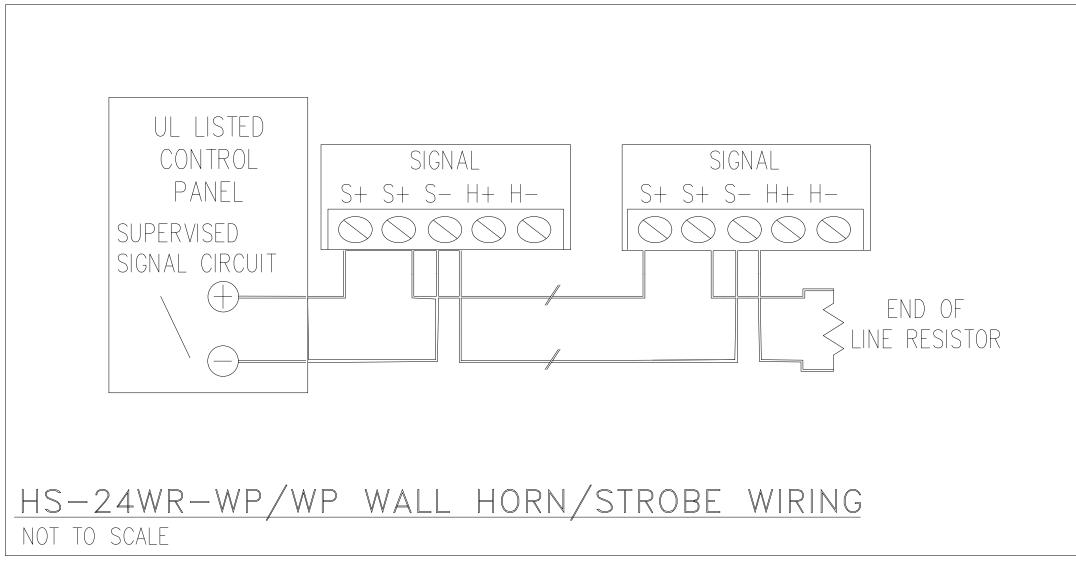
DRAWN BY: JEM SYSTEMS

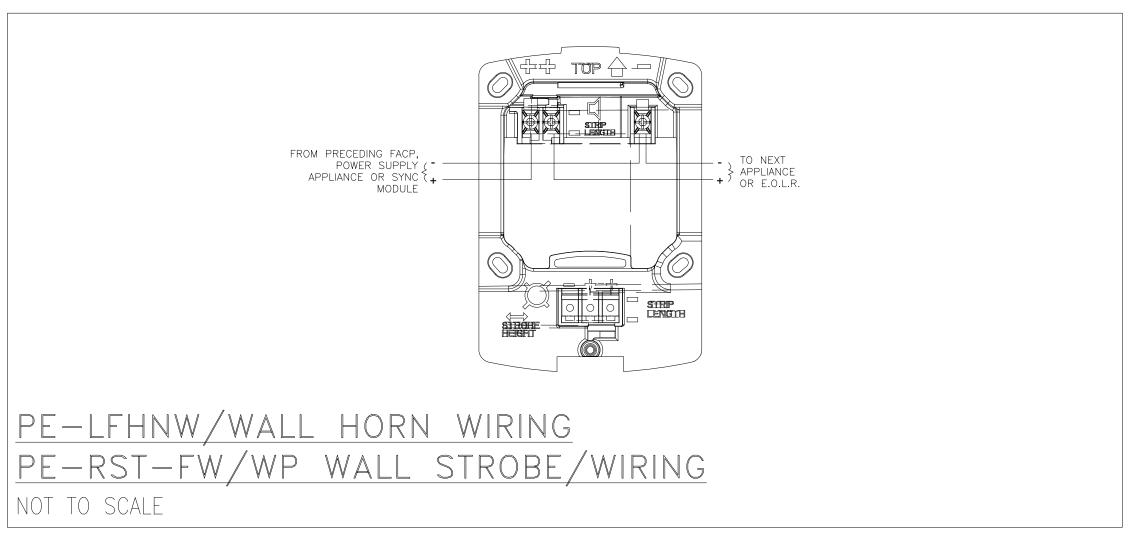
DATE: 06.27.2025

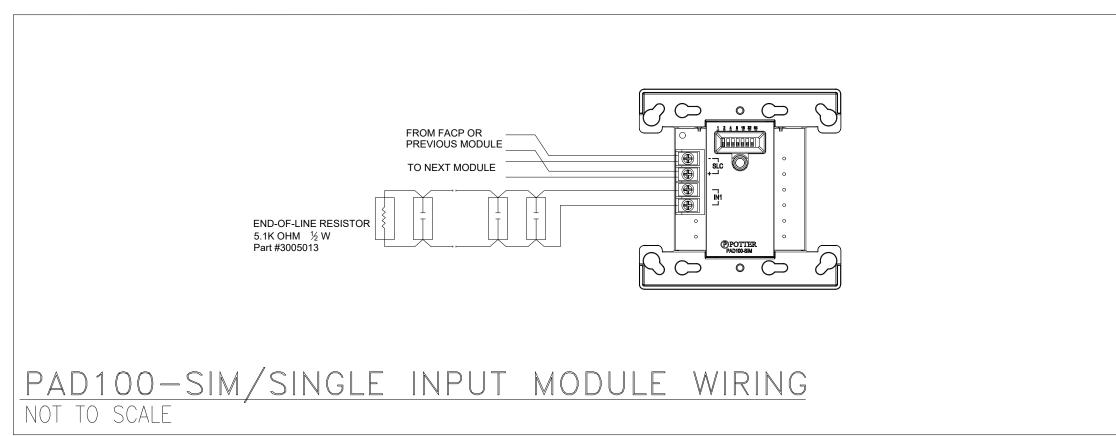
SCALE: SEE DRAWINGS

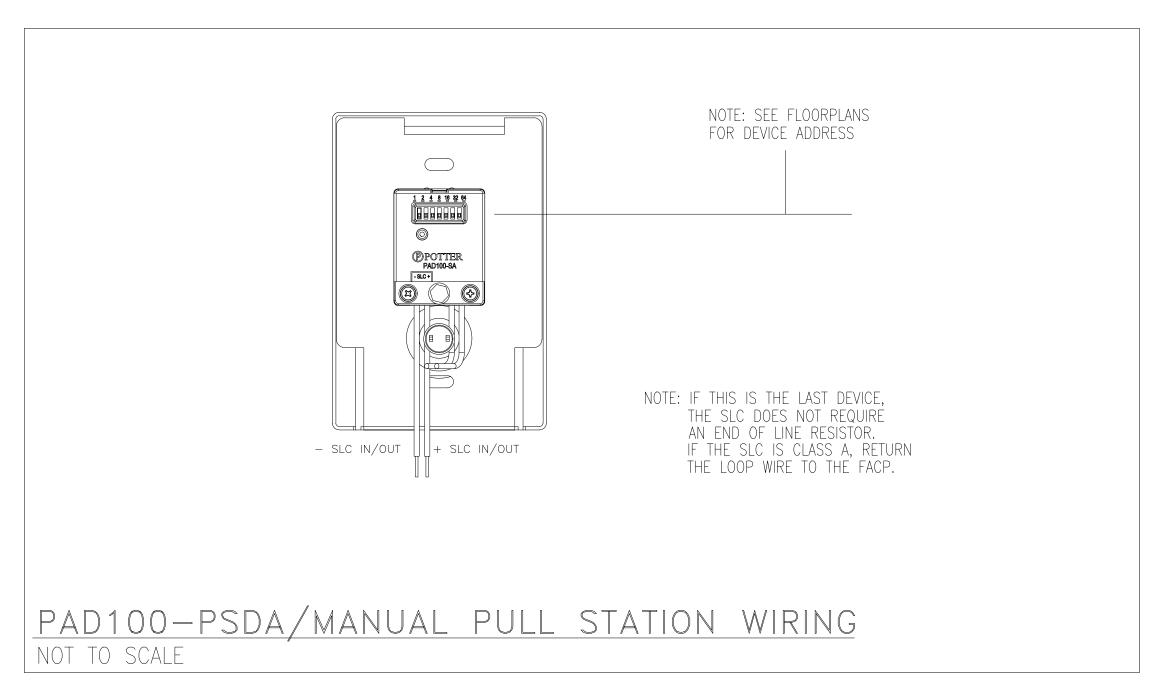


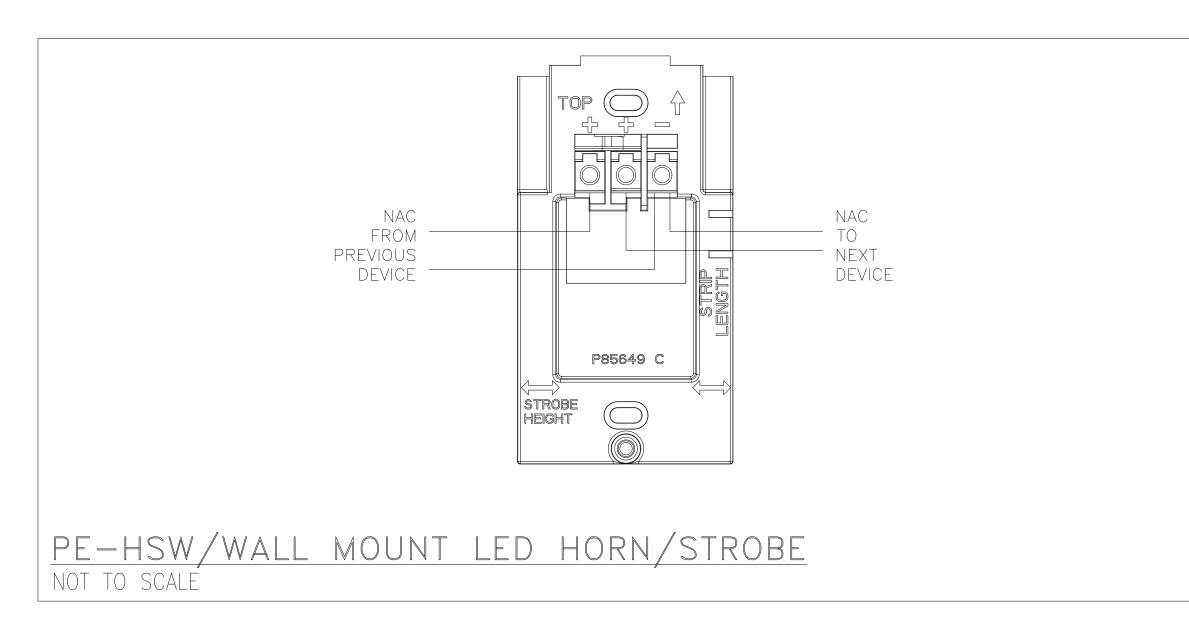


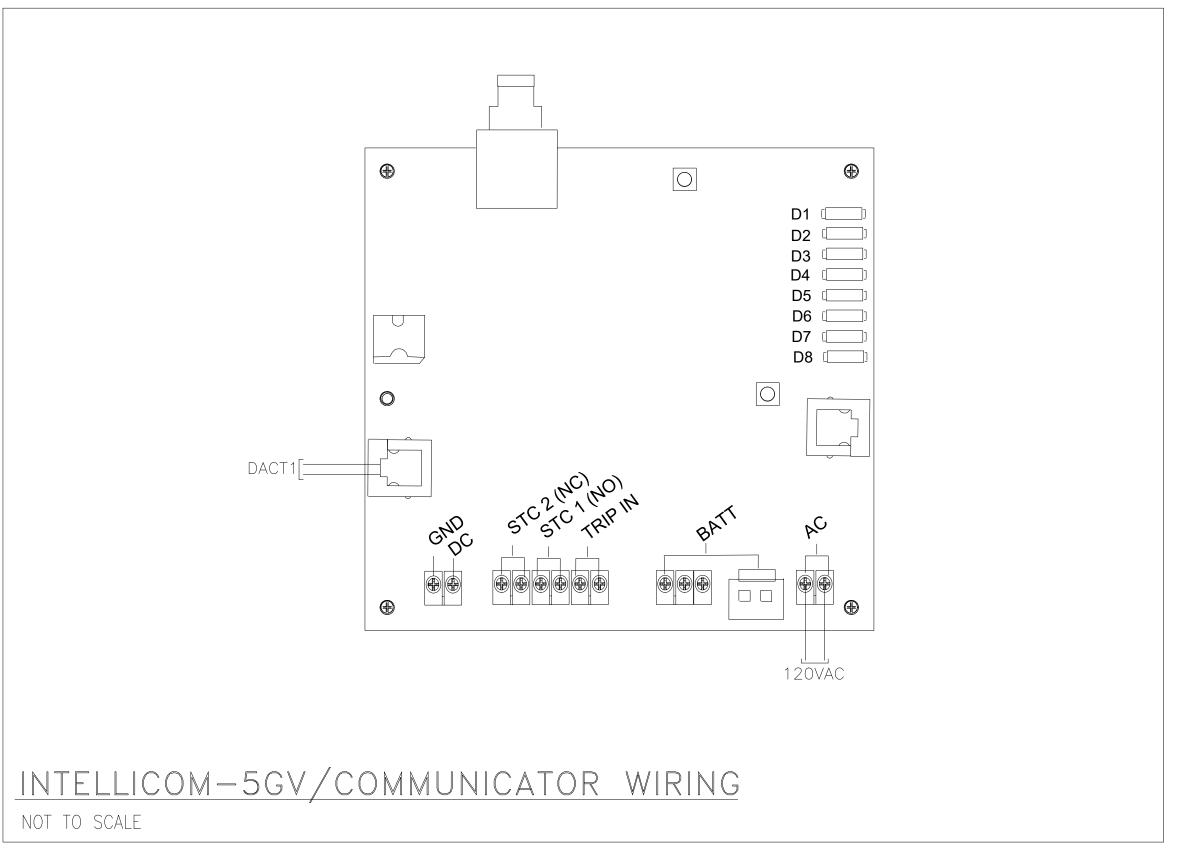


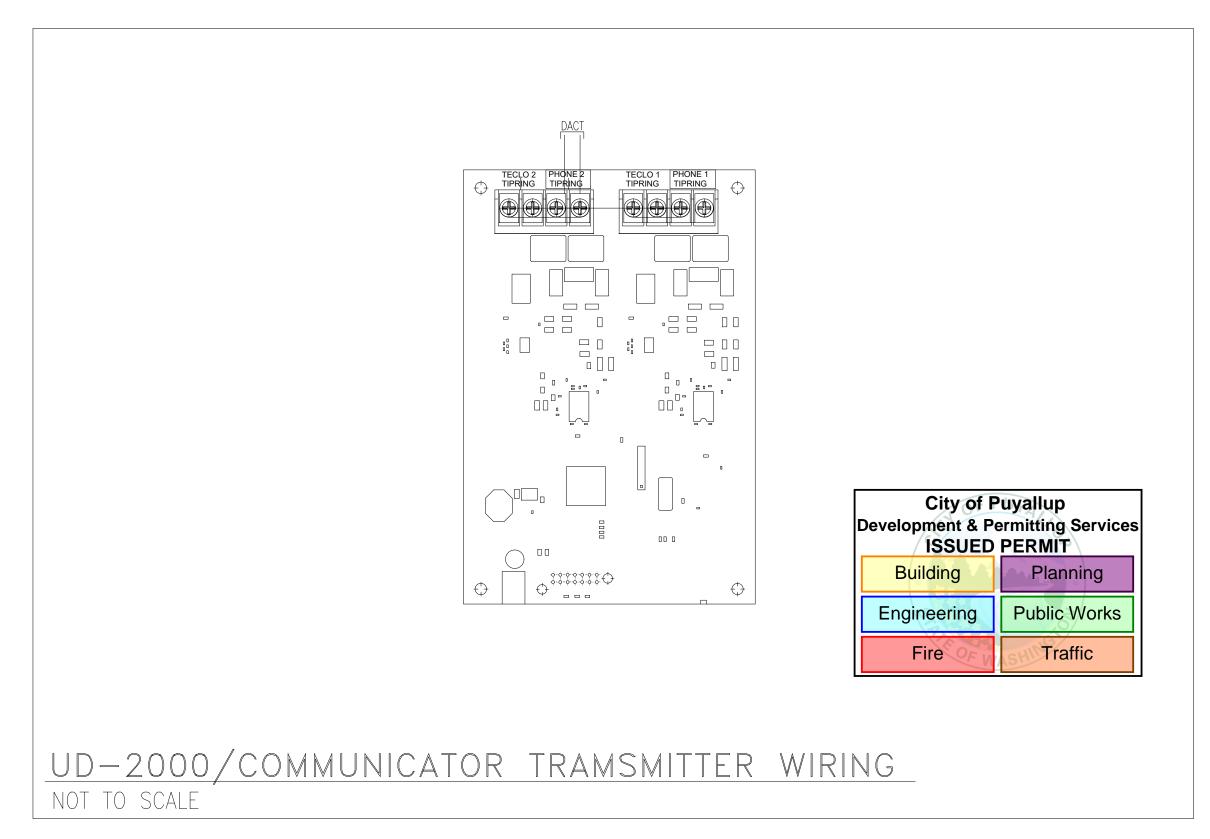














ST TOWN CROSSING CLUBHOUSE SHAW RD E & PIONEER WY E

SHEET DESCRIPTION:
FIRE ALARM SYSTEM
WIRING DIAGRAMS

DRAWN BY: JEM SYSTEMS

DATE: 06.27.2025

SCALE: SEE DRAWINGS