GENERAL NOTES

- INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJ'S, NEC, AND CONTRACT DRAWINGS.
- RECORD DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. PATRIOT FIRE PROTECTION, INC. REQUIRES ELECTRICAL RED LINES WITH IN TWO WEEKS PRIOR TO PRIOR AHJ TESTS.
- AGREEMENT AND CONFIRMATION OF ALL MILESTONE EVENTS WILL BE MADE WITH PATRIOT FIRE PROTECTION, INC. PROJECT MANAGER, ALL FS TECHNOLOGIES FIELD SERVICES MUST BE SCHEDULED WITH PATRIOT FIRE PROTECTION, INC. PROJECT MANAGER WITH A MINIMUM OF TEN BUSINESS DAYS ADVANCE NOTICE.
- 4. A SET OF INSTALLATION AS-BUILT DRAWINGS SHOWING ACTUAL CONDUIT AND CONDUCTOR ROUTES SHALL BE KEPT BY PROJECT FOREMAN FOR USE BY PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN.
- 5. FIRE ALARM CONTROL PANEL SHALL NOT BE ENEGRIZED WITHOUT THE PRESENCE OF A PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY UNDERWRITERS LISTED MONITORING STATION BEFORE AHJS TEST.
- THE WIRING ROUTING IS DIAGRAMMATIC IN NATURE ONLY AND NOT INTENDED FOR ACTUAL CONDUIT ROUTING.
- 8. ALL CONDUIT SIZING AND ROUTING BY ELECTRICAL CONTRACTOR PER NEC AND AHJ.
- 9. NO LINE VOLTAGE IN SAME CONDUIT AS POWER LIMITED FIRE ALARM CABLE
- 10. VERIFY ALL LOCATIONS OF DEVICES WITH ELECTRICAL AND ARCHITECTURAL PLANS, SCALE AND PLACE DEVICES PER ELECTRICAL
- 11. FIELD VERIFY WATERFLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES, SMOKE DAMPERS, AND DUCT DETECTOR LOCATIONS.
- 12. FIELD VERIFY ALL WIRING LOCATIONS AND REQUIREMENTS FOR HVAC AND FAN CONTROL
- 13. SMOKE DETECTORS SHALL NOT BE LOCATED WITH IN 36" OF ANY DIFFUSER
- 14. WALL MOUNTED AUDIBLE/VISUAL APPLIANCES SHALL BE MOUNTED IN SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR
- 15. THE OPERABLE PART OF EACH MANUAL FIRE ALARM BOX SHALL NOT BE LESS THAN 3'-6" AND NOT MORE THAN 4'-0" ABOVE THE FINISHED FLOOR.
- NO DETECTORS SHALL BE INSTALLED UNTIL AFTER FINAL CONSTRUCTION CLEAN-UP, DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO CLEAN-UP MUST BE CLEANED OR REPLACED AND WILL BE INVOICED ON A TIME AND MATERIAL BASIS.
- A DEDICATED BRANCH CIRCUIT OF ONE OF THE FOLLOWING SHALL SUPPLY PRIMARY POWER.
- COMMERCIAL LIGHT AND POWER.
- AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATIONS IS ON DUTY AT ALL TIMES.
- AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT ARRANGED FOR COGENERATION WITH COMMERCIAL LIGHT AND POWER WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATION IS ON DUTY AT ALL TIMES.
- 18. ALL CIRCUITS WILL BE PROPERLY TAGGED AND TESTED FOR OPENS, SHORTS, GROUNDS, AND PROPER "END-TO-LINE" RESISTANCE. EACH CIRCUITS METER READING MUST BE DOCUMENTED AND PRESENTED TO PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN UPON ARRIVAL ONSITE FOR STARTUP AND CHECKOUT.
- 19. NO TAPPING OF SIGNALING OR INITIATING ZONE CIRCUITS ARE ALLOWED. T-TAPPING OF STYLE 4 ADDRESSABLE CIRCUITS IS ALLOWED PROVIDING A SPLICE IS PROFESSIONALLY INSTALLED, POLARITY IS OBSERVED, AND SHIELDS ARE CONTINUOUS AND FREE OF GROUNDS. SHIELDS MUST BE TERMINATED AT THE FIRE ALARM CONTROL PANEL ONLY. CABLE SHIELDS SHALL BE SPLICED TOGETHER AT EVERY JUNCTION BETWEEN THE FIRE ALARM CONTROL PANEL AND THE LAST DEVICE ON EACH CABLE RUN. SHIELDS AND OTHER FIRE ALARM CONDUCTORS (EXCEPT POWER GROUNDS) SHALL BE INSULATED AND COMPLETELY FREE FROM CONDUIT OR EARTH GROUNDS. SHIELDS WILL BE TIED TO GROUND ONLY AT THE FIRE ALARM CONTROL PANEL.

DRAWING ACCEPTANCE

THIS DRAWING IS TO BE USED FOR THE PURPOSE OF PLACING AND LOCATING PATRIOT FIRE PROTECTION, INC. FIRE ALARM DEVICES AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.

INSTALLATION COMPANY

PATRIOT FIRE PROTECTION, INC. 2707 70TH AVE E, TACOMA, WA 98424

MONITORING COMPANY

AVANTGUARD MONITORING CENTERS, LLC 4699 HARRISON BLVD, SUITE 100 OGDEN, UT 84403





SCOPE OF WORK

PERFORM ADDRESSABLE UPGRADE OF FIRE ALARM PANEL IN BUILDING G. (1): POTTER AFC-50 FACU

1): SMOKE DETECTOR, (1) PULL STATION, (3) INPUT MODULES FOR SPRINKLER EQUIPMENT (1): LOCKING DOCUMENT BOX

SYSTEM DESIGN CODES

INTERNATIONAL BUILDING CODE (IBC 2021 EDITION) INTERNATIONAL FIRE CODE (IFC 2020 EDITION) NATIONAL ELECTRICAL CODE (NFPA 70 2020 EDITION) ADA INTERNATIONAL CODE ANSIE 117.1 NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72 2019 EDITION)

USE & OCCUPANCY CLASSIFICATION

☐ ASSEMBLY (A)

 \square A-1 \square A-2 \square A-3 \square A-4 \square A-5

☐ EDUCATIONAL (E)

☐ BUSINESS (B)

☐ FACTORY & INDUSTRIAL (F) □ F-1 □ F-2

☐ HIGH HAZARD (H) □ H-1 □ H-2 □ H-3 □ H-4 □ H-5 □ I−1 □ I−2 □ I−3 □ I−4

☐ INSTITUTIONAL (I) ☐ MERCANTILE (M)

■ RESIDENTIAL (R) ☐ STORAGE (S)

□ S-1 □ S-2 □ S-3 □ S-4

□ R-1 ■ R-2 □ R-3 □ R-4

☐ UTILITY & MISCELLANEOUS (U)

AUTOMATIC SPRINKLER PROTECTION

☐ PARTIAL ■ FULL

DERATING FACTOR

SECONDARY LOAD REQUIREMENTS (AMP HOURS)

DEVICE LEGEND

SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION			
FACU	1	POTTER	AFC-50	FIRE ALARM CONTROL PANEL			
(AIM)	3	POTTER	PAD100-SIM	SINGLE INPUT MODULE			
F	1	POTTER	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION			
S 6DB	1	POTTER	PAD300-PD W/PAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WIT 6" STANDARD BASE			
Ē	1	POTTER	PDC-10-24	10" BELL			

OPERATION MATRIX

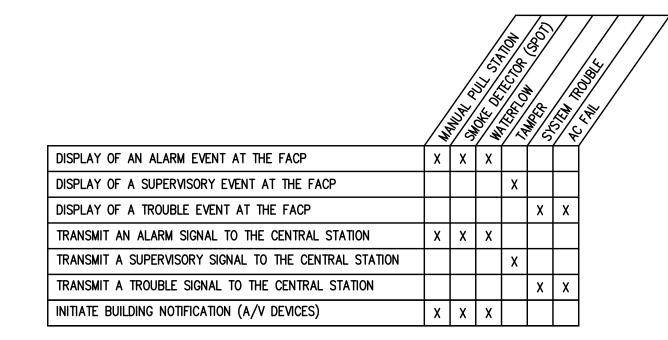
Fire **REVIEWED FOR** COMPLIANCE **DDrake** 07/01/2025 7:40:26 AM

THE APPROVED CONSTRUCTION City of Puyallup PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

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

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.

Read Permit Conditions prior to calling for inspection

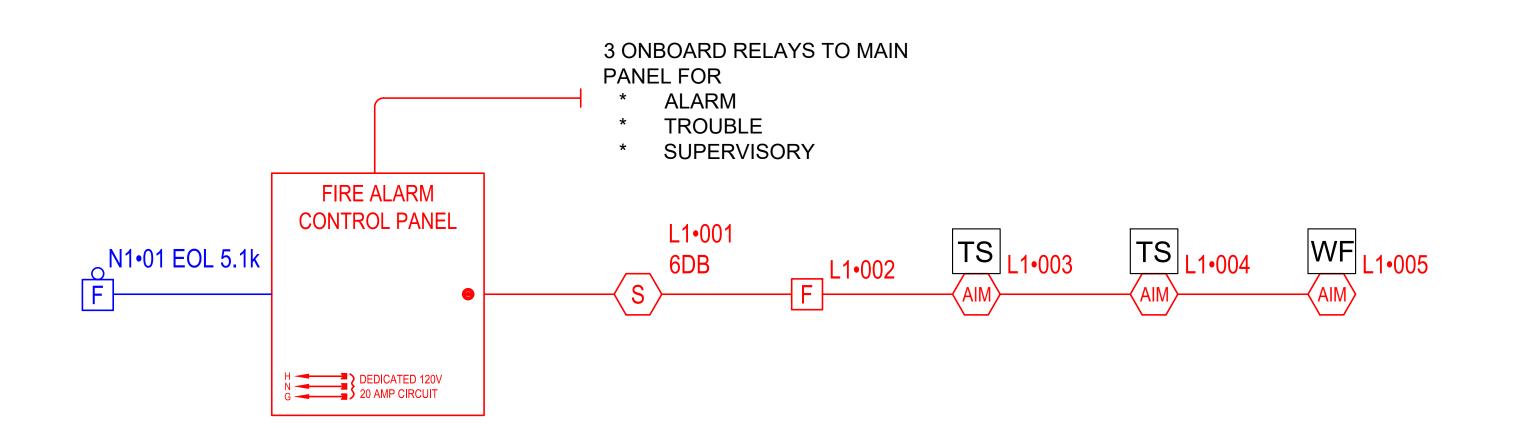


1.25

3.96

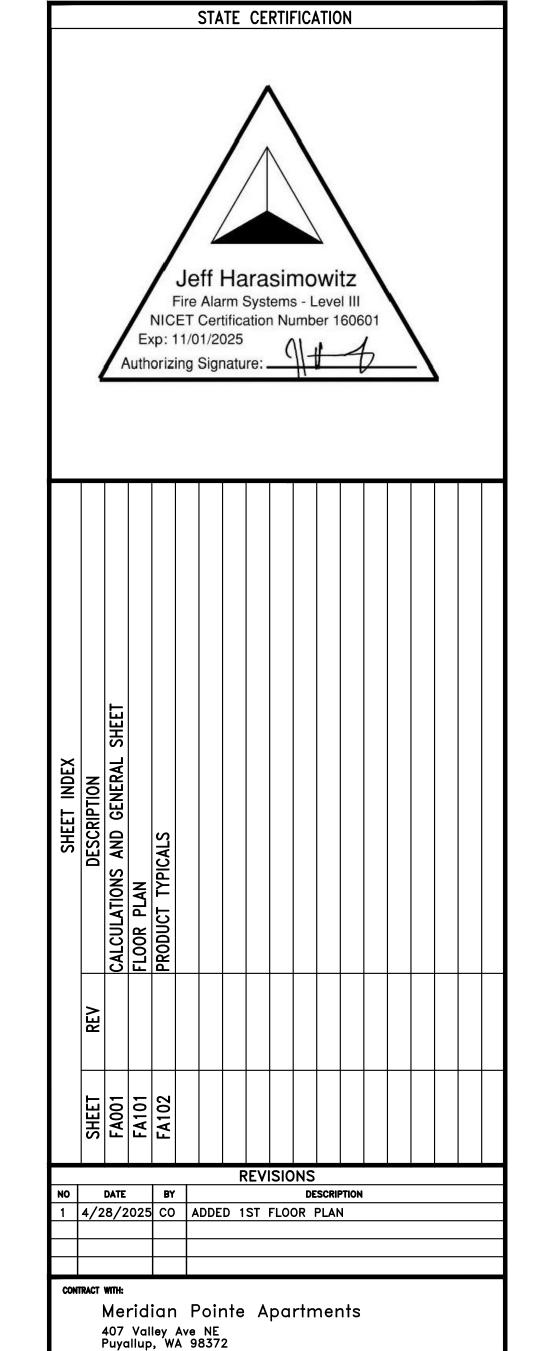
					(AFC-5	PANEL 50) BATTERY CALCULATION							
(SECONDARY POWER SOURCE REQUIREMENTS)													
								STANDBY CURRENT		SECONDARY ALARM CURRENT			
PANEL COMPONENTS						PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)		
						AFC-50	FIRE ALARM CONTROL PANEL	0	0	0	0		
FANEL CONFONENTS					1	AFC-50 MAIN BOARD	FIRE ALARM CONTROL PANEL MAIN BOARD	0.13	0.13	0.22	0.22		
CIRCUIT	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	SYMBOL	QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)		
	N/A	0.001220		F	1	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION	0.0002	0.0002	0.0002	0.0002		
L1				(AIM)	3	PAD100-SIM	SINGLE INPUT MODULE	0.00024	0.00072	0.00024	0.00072		
				⟨S⟩ _{6DB}	1	PAD300-PD W/PAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE	0.0003	0.0003	0.0003	0.0003		
					•	-		TOTAL STANDBY (A)	0.13122	TOTAL ALARM (A)	0.22122		
								REQUIRED STANDBY TIME (HOURS)		24			
								REQUIRED ALARM TIME (MINUTES) 5					
			ECONDARY STANDBY LOAD (A	<u> </u>	0.13122	24		3.15					
			SECONDARY ALARM LOAD (A	<u> </u>	0.22122	0.083 0.018435			435				
STANDBY AND ALARM SUBTOTAL (AMP HOURS)								3.17					

PROVIDE (2) 12V 8AH BATTERIES *BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.



RISER DIAGRAM

NOT TO SCALE



MERIDIAN POINTE APARTMENTS

PATRIFP8370Q WWW.PATRIOTFIRE.COM Christopher.Olsen@patriotfire.com

TEL: (253) 532-0967 FAX: (253) 922-6150

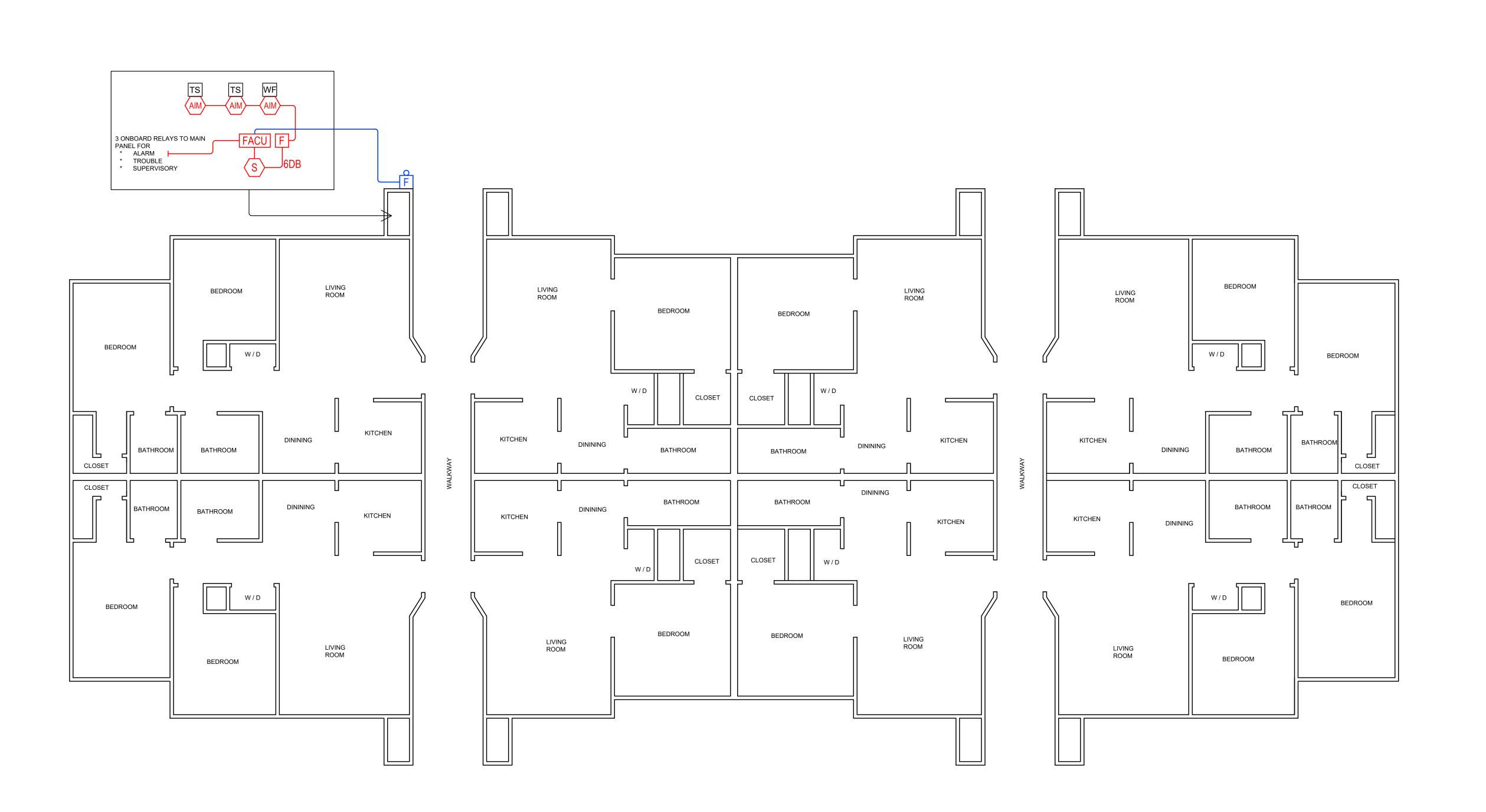
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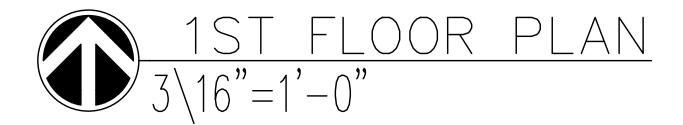
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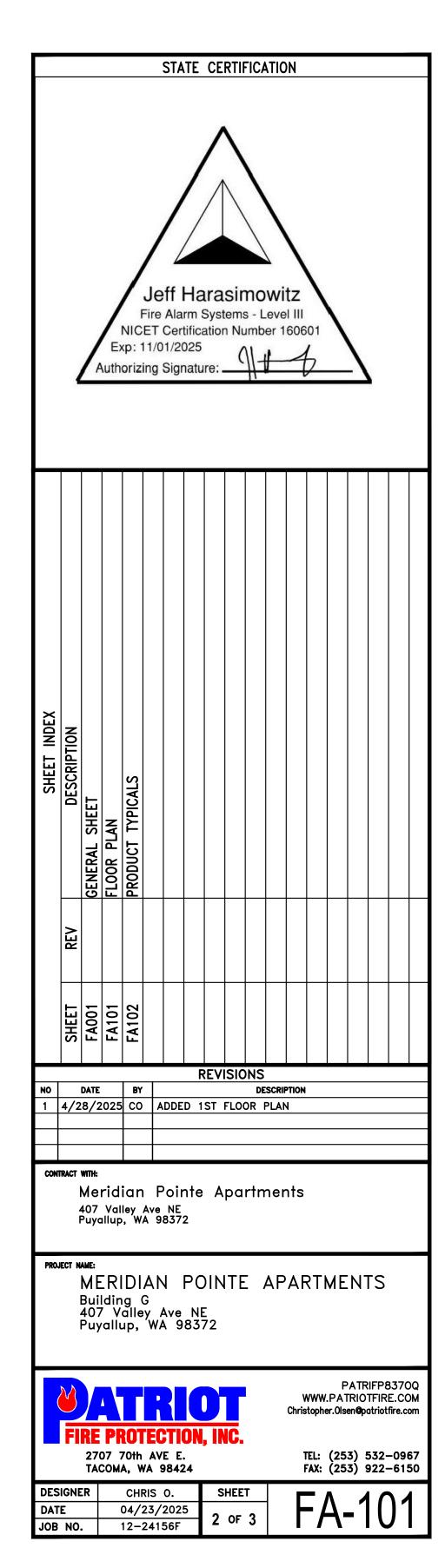
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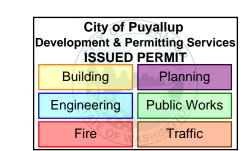
CHRIS O.

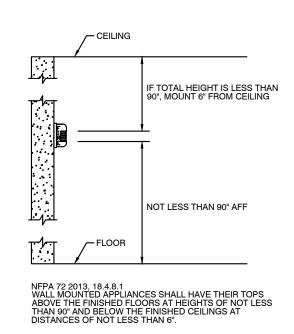
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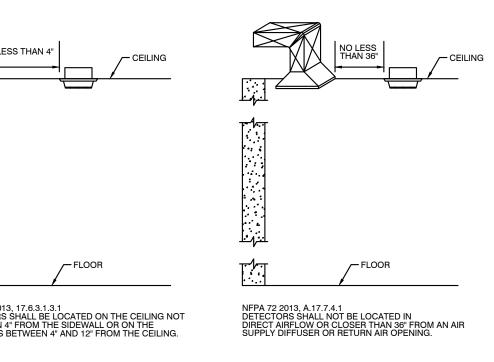




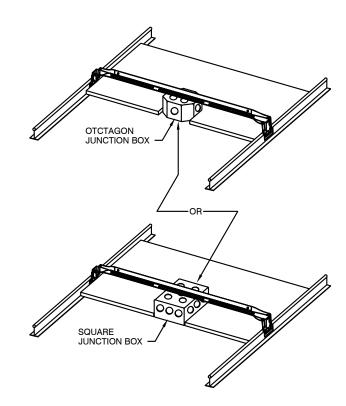




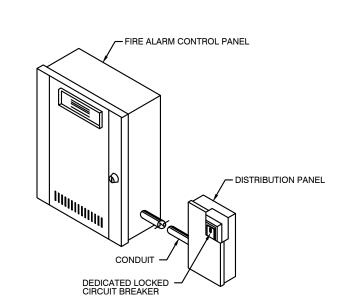
FIRE ALARM - HORN MOUNTING



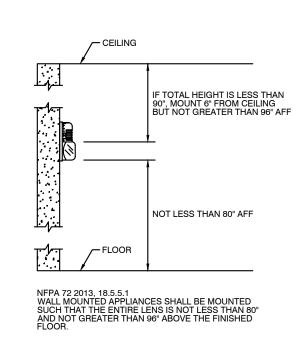
FIRE ALARM - SMOKE & HEAT MOUNTING



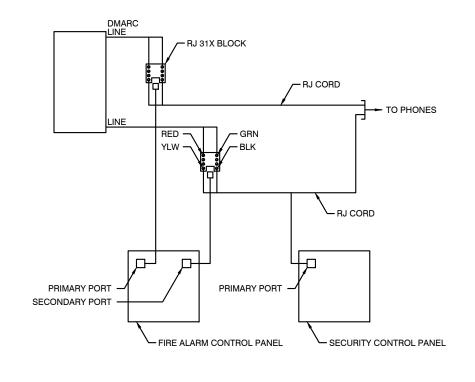
FIRE ALARM - DROP CEILING & J BOX



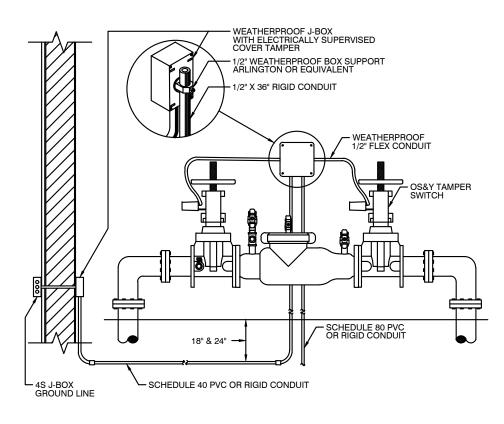
FIRE ALARM - POWER DISCONNECT



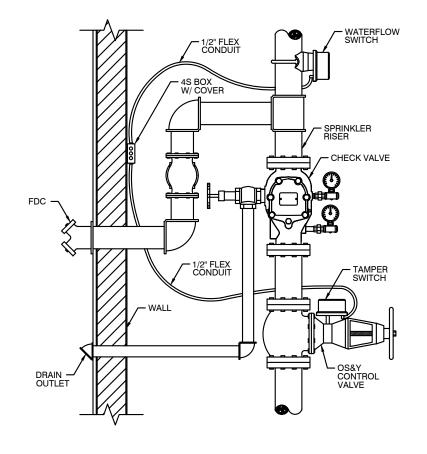
FIRE ALARM - STROBE MOUNTING B



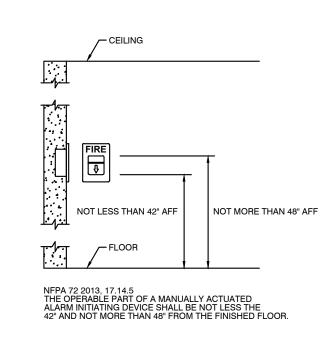
FIRE ALARM - PHONE CONNECTION



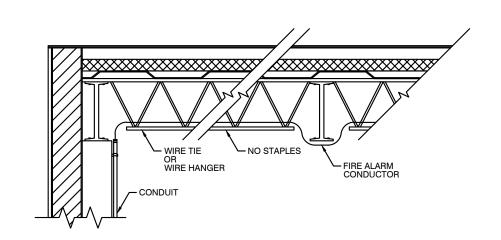
FIRE ALARM - DCVA TAMPER SWITCHES



FIRE ALARM - OS&Y TAMPER GATE VALVE

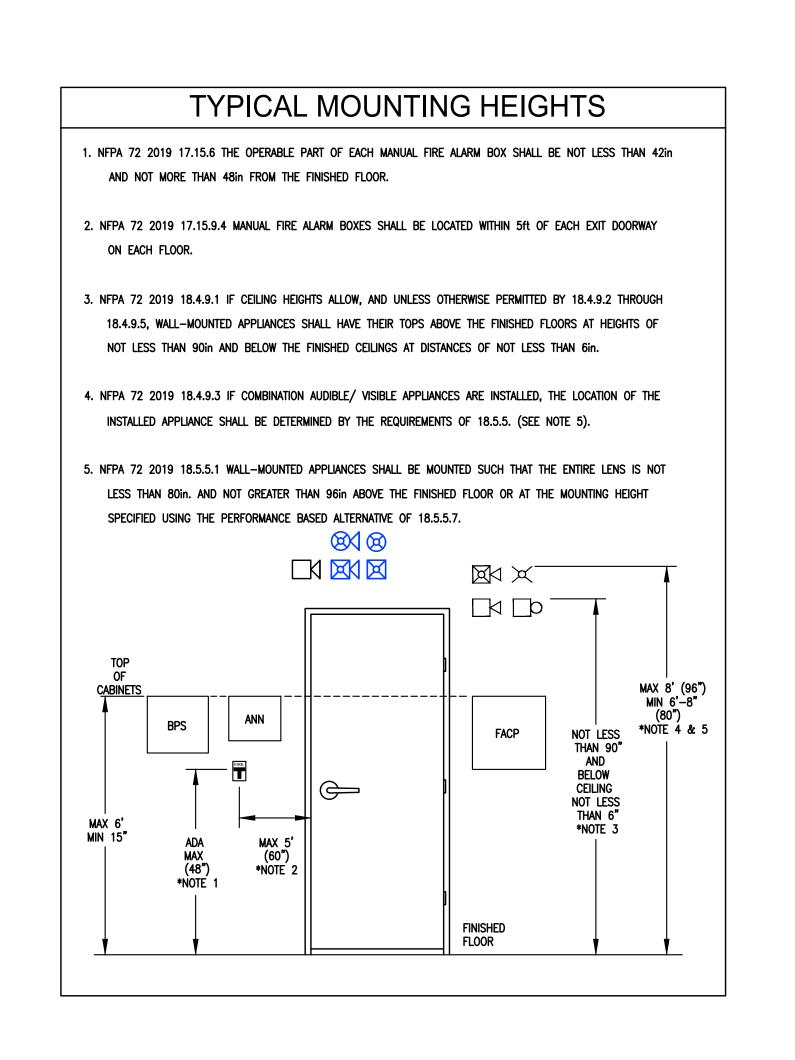


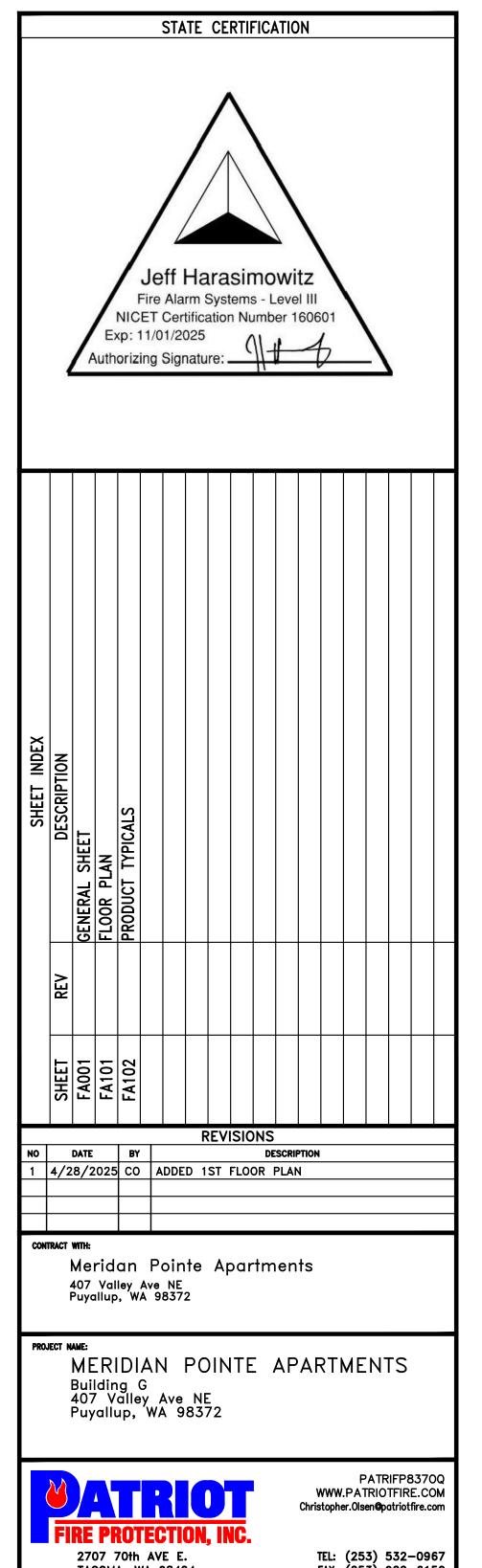
FIRE ALARM - PULL STATION MOUNTING

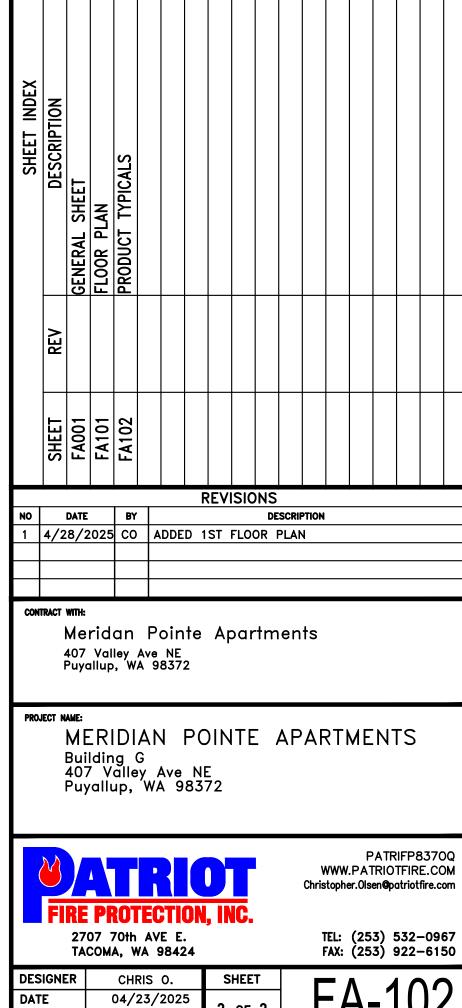


FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING

F







12-24156F