

1. INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJ'S, NEC, AND CONTRACT DRAWINGS.
2. RECORD DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. PATRIOT FIRE PROTECTION, INC. REQUIRES ELECTRICAL RED LINES WITHIN TWO WEEKS PRIOR TO PRIOR AHJ TESTS.
3. 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 ENERGIZED WITHOUT THE PRESENCE OF A PATRIOT FIRE PROTECTION, INC. ALARM TECHNICIAN.
6. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY UNDERWRITERS LISTED MONITORING STATION BEFORE AHJS TEST.
7. 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 AND ARCHITECTURAL PLANS
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.
16. 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.
17. A DEDICATED BRANCH CIRCUIT OF ONE OF THE FOLLOWING SHALL SUPPLY PRIMARY POWER.
 - A) COMMERCIAL LIGHT AND POWER.
 - B) AN ENGINE-DRIVEN GENERATOR OR EQUIVALENT WHERE A PERSON SPECIFICALLY TRAINED IN ITS OPERATIONS IS ON DUTY AT ALL TIMES.
 - C) 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.

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.

REPLACE EXISTING CONVENTIONAL FIRE ALARM SYSTEM WITH AN ADDRESSABLE FIRE ALARM SYSTEM AND DEVICES.

☐ ASSEMBLY (A)	☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☒ BUSINESS (B)	
☐ EDUCATIONAL (E)	
☐ FACTORY & INDUSTRIAL (F)	☐ F-1 ☐ F-2
☐ HIGH HAZARD (H)	☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
☐ INSTITUTIONAL (I)	☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
☐ MERCANTILE (M)	
☐ RESIDENTIAL (R)	☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4 ☐
☒ STORAGE (S)	☒ S-1 ☐ S-2 ☐ S-3 ☐ S-4 ☐
☐ UTILITY & MISCELLANEOUS (U)	

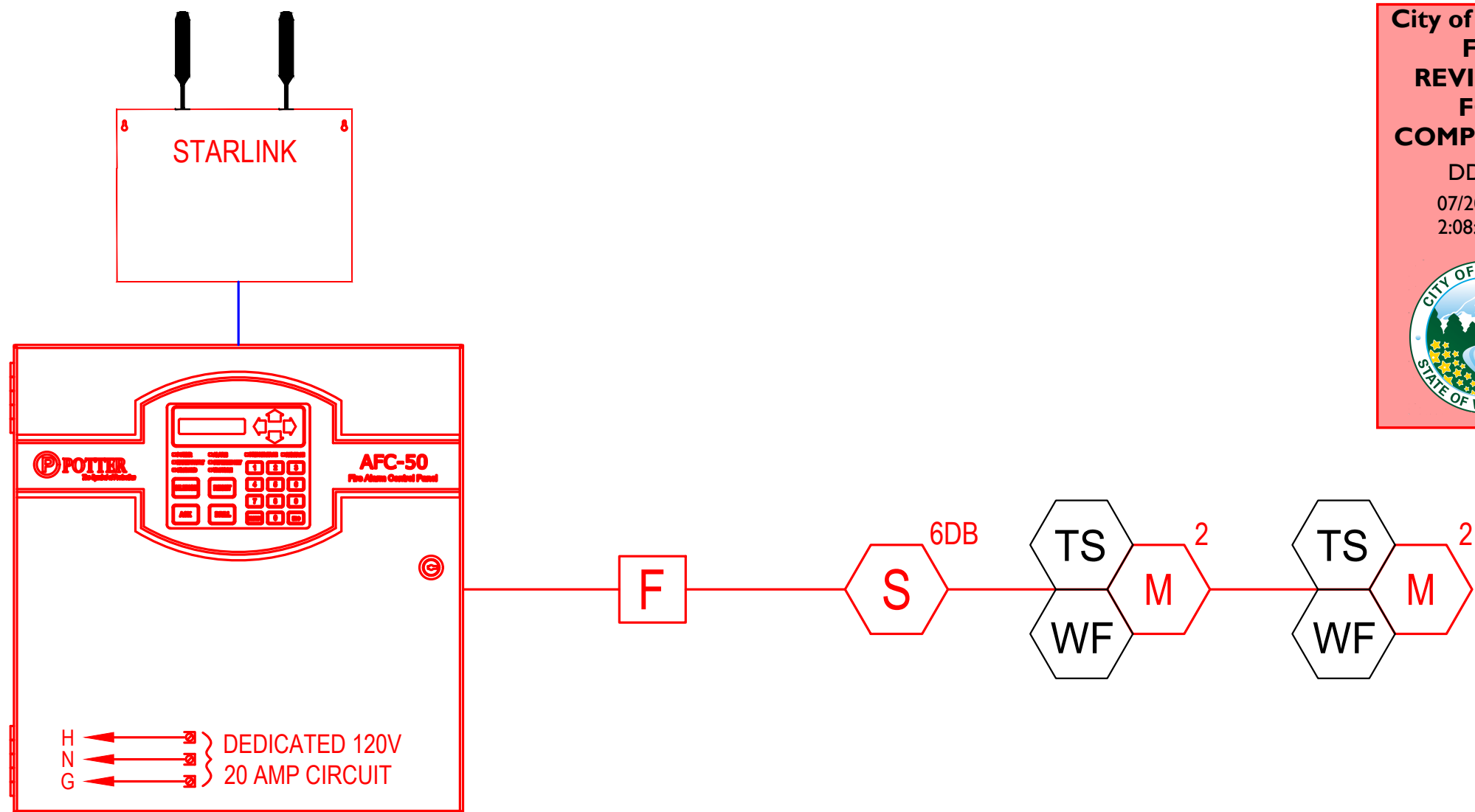
☐ NO ☐ PARTIAL ☒ FULL

LABEL	PART NO	MANUFACTURER	APPLICATION	RESISTANCE MFT	AWG	DESCRIPTION	TOTAL LENGTH
A	16/2 FPLR	GENERIC	SLC	4.89	16	2 COND. SOLID COPPER FPLR ADDRESSABLE	100'-0"
Z	18/2 FPLP/R	GENERIC	IDC	7.77	18	2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED	3'

SYMBOL	QUANTITY	MANUFACTURER	PART NO.	DESCRIPTION
	1	POTTER	AF0-50	FIRE ALARM CONTROL PANEL
	1	NAPCO	SLE-MAX2-CFB	UNIVERSAL FIRE COMMUNICATOR, DUAL BSM, DUAL PATH, POWER, METAL HOUSING, AUTO NETWORK
	2	POTTER	PD4100-DIM	DUAL INPUT MODULE
	1	POTTER	PD4100-PS5A	ADDRESSABLE PULL STATION SINGLE ACTION
	1	POTTER	PD4300-PD WIPAD300-60B	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE
ADDITIONAL ASSEMBLY COMPONENTS AND HARDWARE				
	1	POTTER	LD-2000	PLC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER
	1	SPACEAGE	SSU00685	DOCUMENT BOX, RED

	MANUAL PULL STATION	SMOKE DETECTOR (SPD)	WATERFLOW TAMPON	SYSTEM TROUBLE	AC FAIL	COMMUNICATOR FAIL
DISPLAY OF AN ALARM EVENT AT THE FACP	X	X	X			
DISPLAY OF A SUPERVISORY EVENT AT THE FACP			X			
DISPLAY OF A TROUBLE EVENT AT THE FACP				X	X	X
TRANSMIT AN ALARM SIGNAL TO THE CENTRAL STATION	X	X	X			
TRANSMIT A SUPERVISORY SIGNAL TO THE CENTRAL STATION			X			
TRANSMIT A TROUBLE SIGNAL TO THE CENTRAL STATION				X	X	
INITIATE BUILDING NOTIFICATION (A/V DEVICES)	X	X	X			

PANEL											
(AFC-50) BATTERY CALCULATION											
(SECONDARY POWER SOURCE REQUIREMENTS)											
PANEL COMPONENTS					STANDBY CURRENT						
					CURRENT DRAW (A)		TOTAL (A)		SECONDARY ALARM CURRENT		
					QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
					CIRCUIT	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	SYMBOL	QTY	PART NO.
IO 1 NAC	NA	0.325680			1	AFC-50	FIRE ALARM CONTROL PANEL	0	0	0	0
					1	AFC-50 MAIN BOARD	FIRE ALARM CONTROL PANEL MAIN BOARD	0.13	0.13	0.22	0.22
					1	UD-2000	PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER	0.016	0.016	0.023	0.023
L1	NA	0.325680			2	SLE-MAV2-CFB	UNIVERSAL FIRE COMMUNICATOR, DUAL SIM, DUAL PATH, PANEL POWERED, METAL HOUSING, AUTO NETWORK	0.085	0.085	0.325	0.325
					2	PAD100-DIM	DUAL INPUT MODULE	0.00024	0.00048	0.00024	0.00048
					1	PAD100-PSA	ADDRESSABLE PULL STATION SINGLE ACTION	0.0002	0.0002	0.0002	0.0002
					1	PAD300-PD W/PAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD SIZE	0.0003	0.0003	0.0003	0.0003
								TOTAL STANDBY (A)	0.23198	TOTAL ALARM (A)	0.568980
								REQUIRED STANDBY TIME (HOURS)		24	
								REQUIRED ALARM TIME (MINUTES)		5	
SECONDARY STANDBY LOAD (A)						0.23198			5.57		
SECONDARY ALARM LOAD (A)						0.568980	0.083		0.047415		
STANDBY AND ALARM SUBTOTAL (AMP HOURS)									5.61		
DERATING FACTOR									1.25		
SECONDARY LOAD REQUIREMENTS (AMP HOURS)									7.02		
PROVIDE (2) 12V 8AH BATTERIES											
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.											



Jeff Harasimowicz
 Fire Alarm Systems - Level III
 NICET Certification Number 160601
 Exp: 11/01/2028
 Authorizing Signature: *[Handwritten Signature]*

[illegible]

NO	DATE	BY	DESCRIPTION

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

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

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

Legend Auto Sales
400 River Road
Puyallup, WA 98371

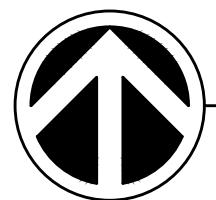
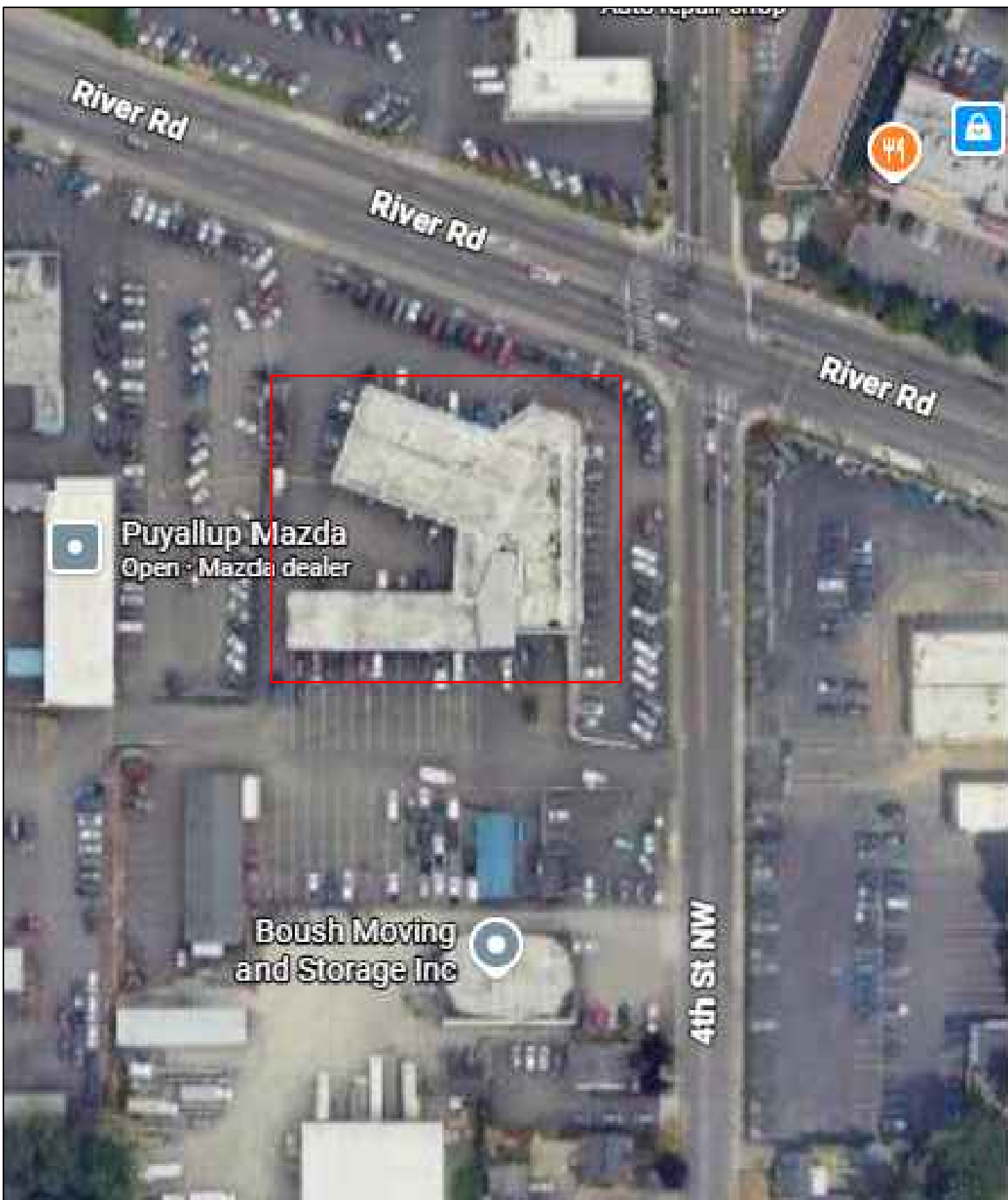
LEGEND AUTO SALES
400 River Road
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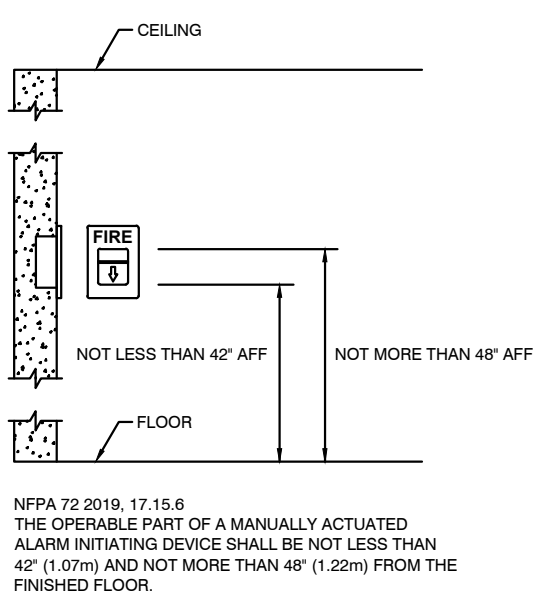
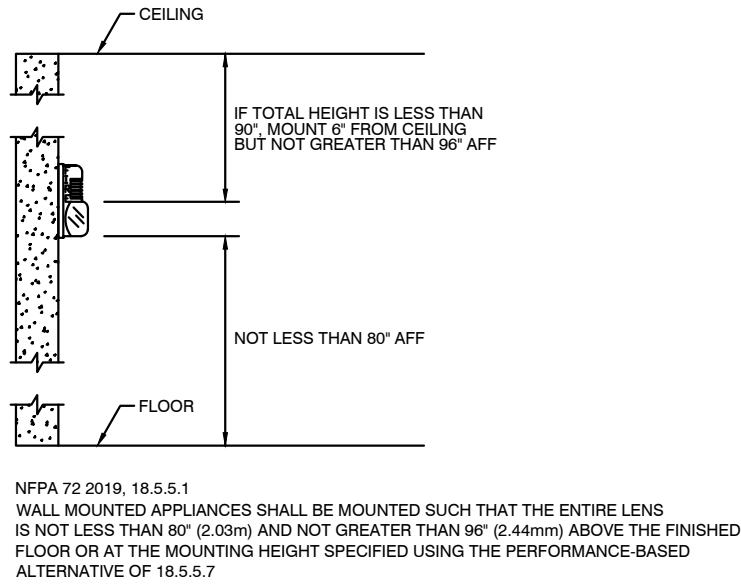
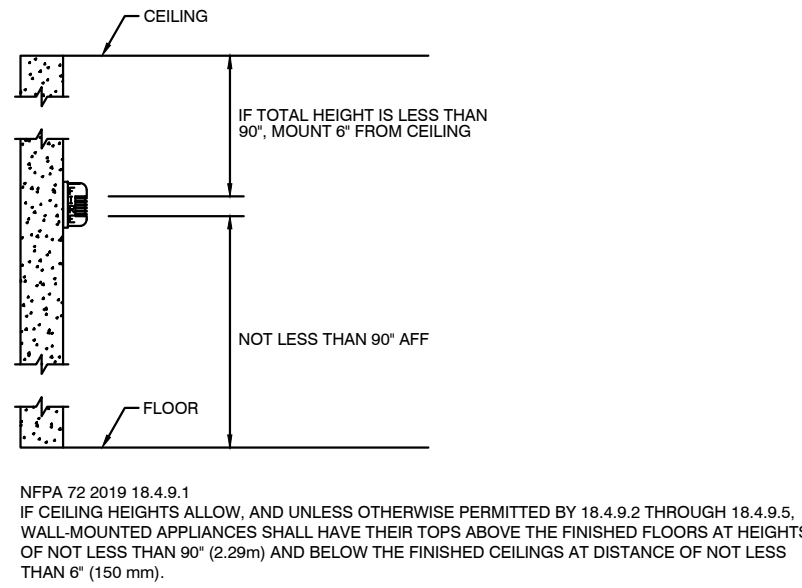
2707 70th AVE E.
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TEL: (253) 532-0967
FAX: (253) 922-6150

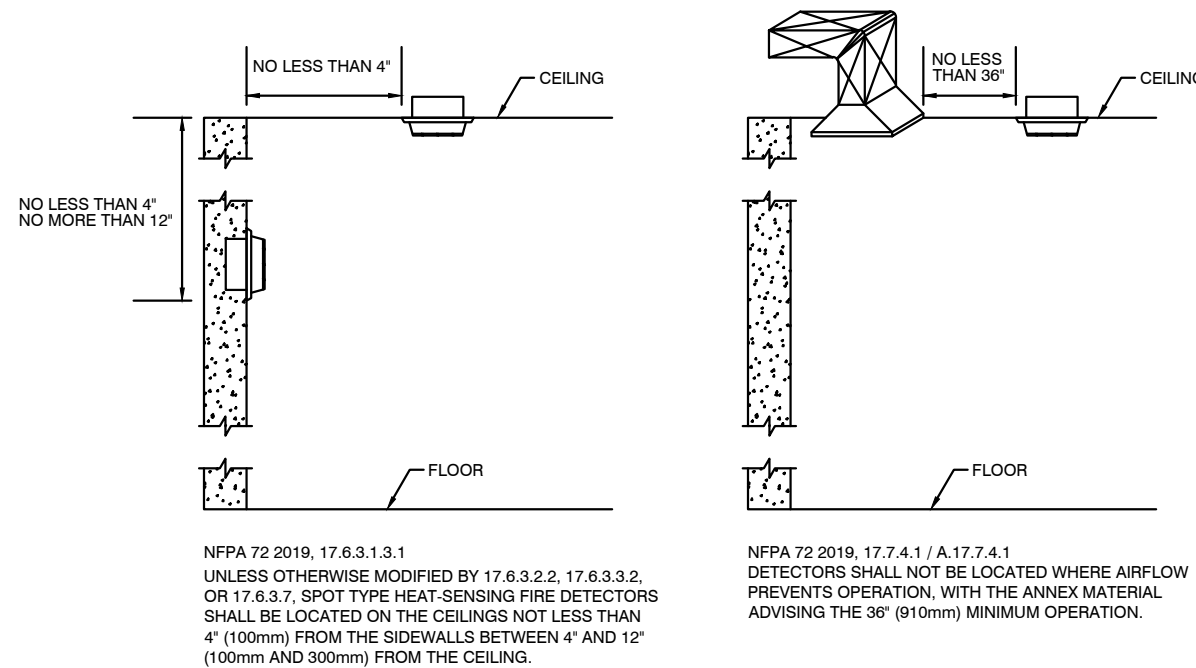
DESIGNER	CHRIS O.	SHEET	FA001
DATE	6/17/2026	1 OF 2	
JOB NO.	19-1130		



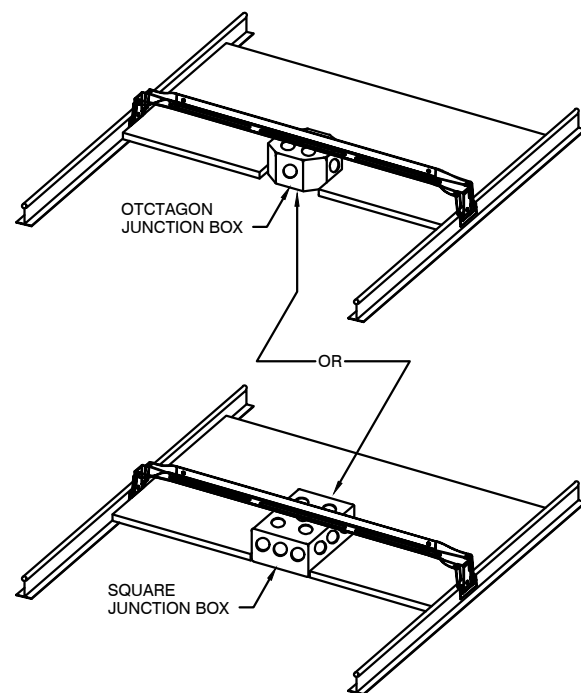
VICINITY MAP
NOT TO SCALE



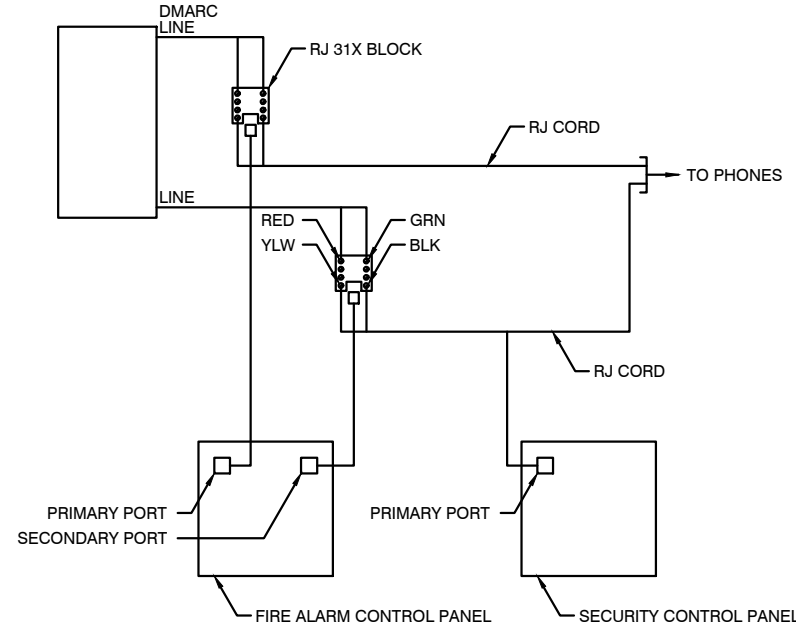
A FIRE ALARM - HORN MOUNTING



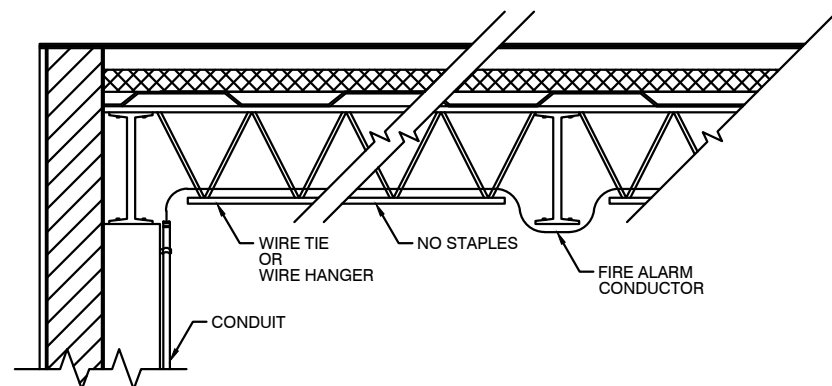
D FIRE ALARM - SMOKE & HEAT MOUNTING



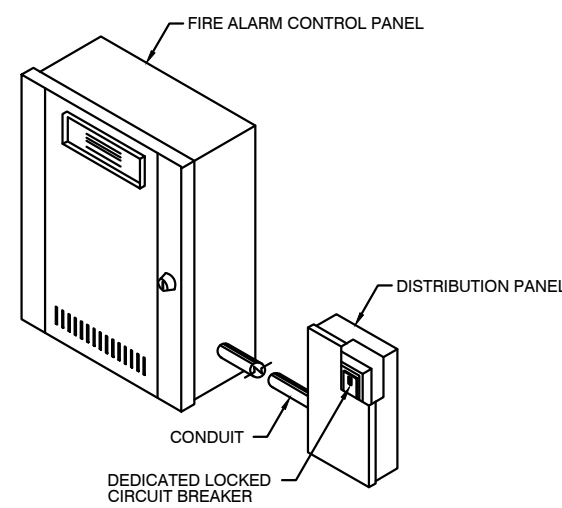
B FIRE ALARM - STROBE MOUNTING



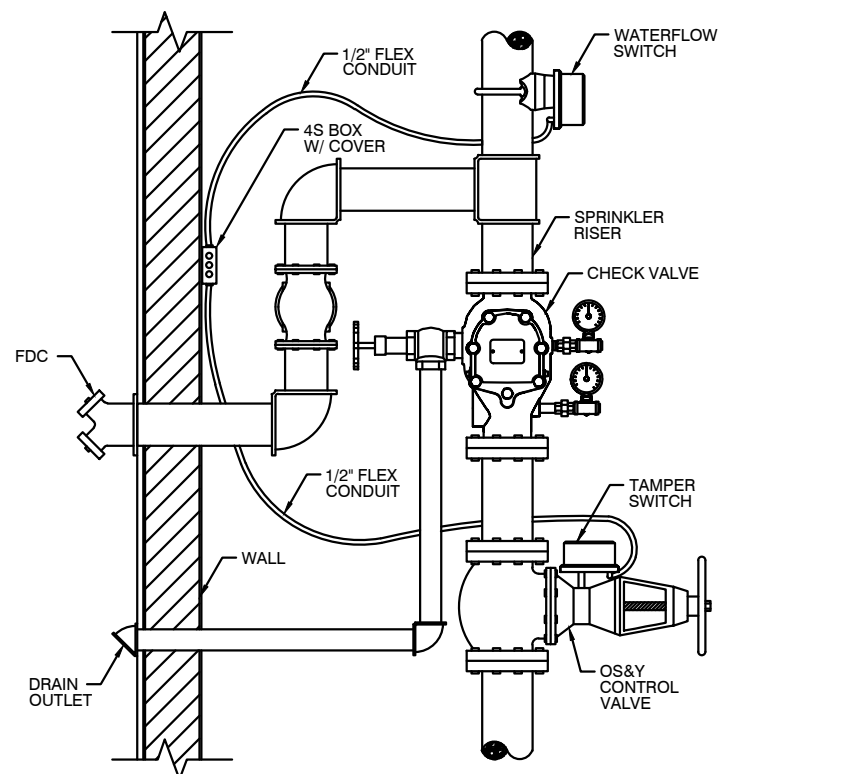
C FIRE ALARM - PULL STATION MOUNTING



G FIRE ALARM - DROP CEILING & J BOX



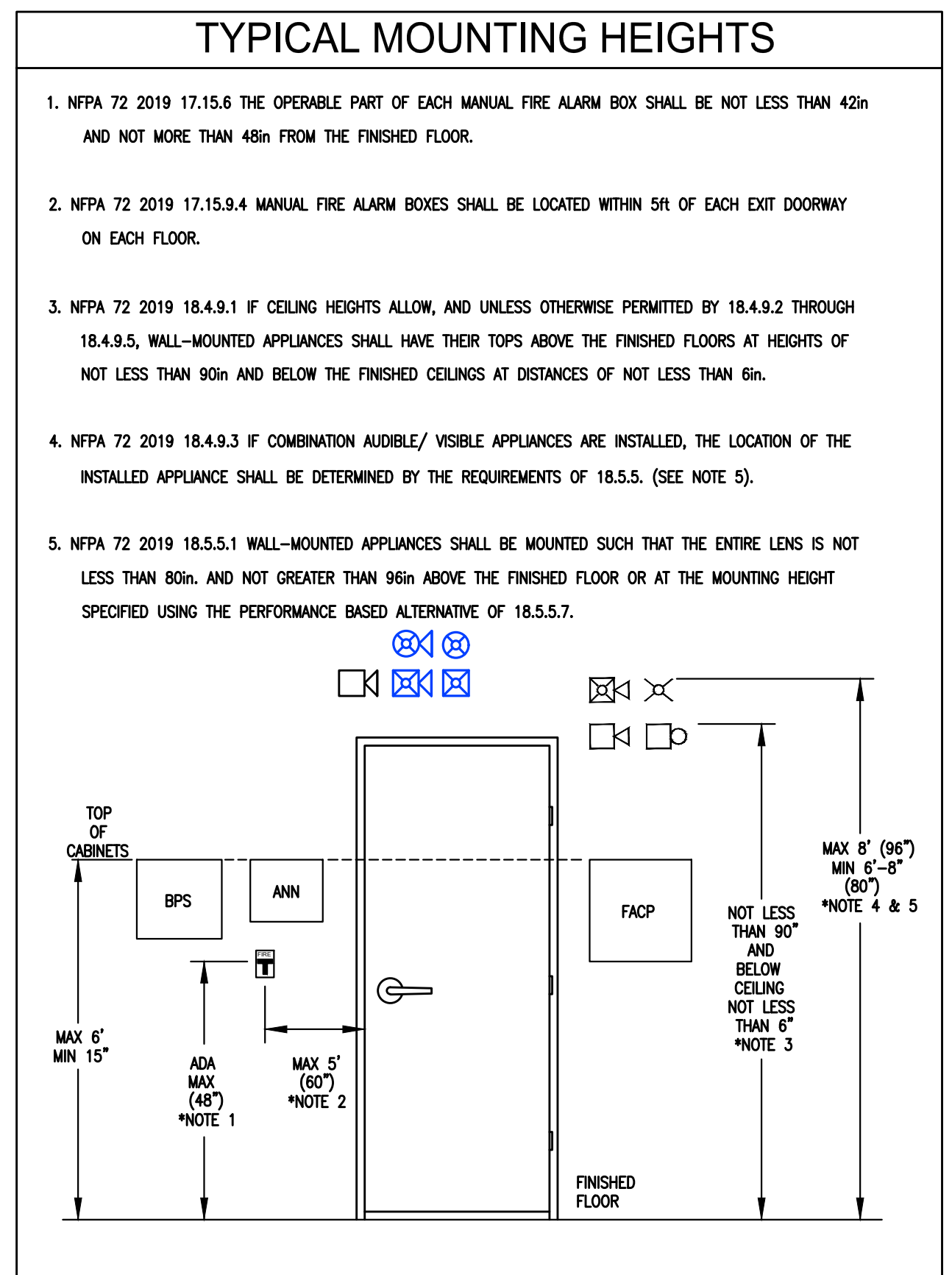
H FIRE ALARM - DCVA TAMPER SWITCHES



I FIRE ALARM - POWER DISCONNECT

J FIRE ALARM - OS&Y TAMPER GATE VALVE

F FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING



STATE CERTIFICATION

Jeff Harasimowitz

Fire Alarm Systems - Level III

NICET Certification Number 160601

Exp: 11/01/2028

Authorizing Signature:

SHEET INDEX	DESCRIPTION	GENERAL SHEET & CALCULATIONS		PRODUCT TYPICALS	
		REV	REV	REV	REV
SHEET	FA001				
	FA002				

REVISIONS			
NO	DATE	BY	DESCRIPTION

SYSTEM DESIGN CODES

INTERNATIONAL BUILDING CODE (IBC 2021 EDITION)
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INSTALLATION COMPANY

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MONITORING COMPANY

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

CONTRACT WITH:

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PROJECT NAME:

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DESIGNER	CHRIS O.	SHEET	FA002
DATE	6/17/2026	2 OF 2	
JOB NO.	19-1130		