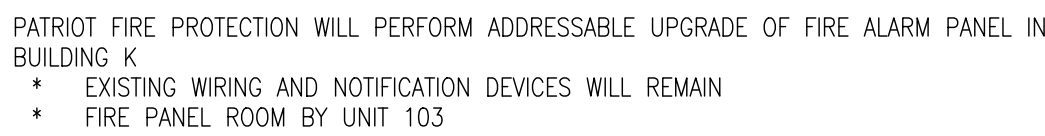
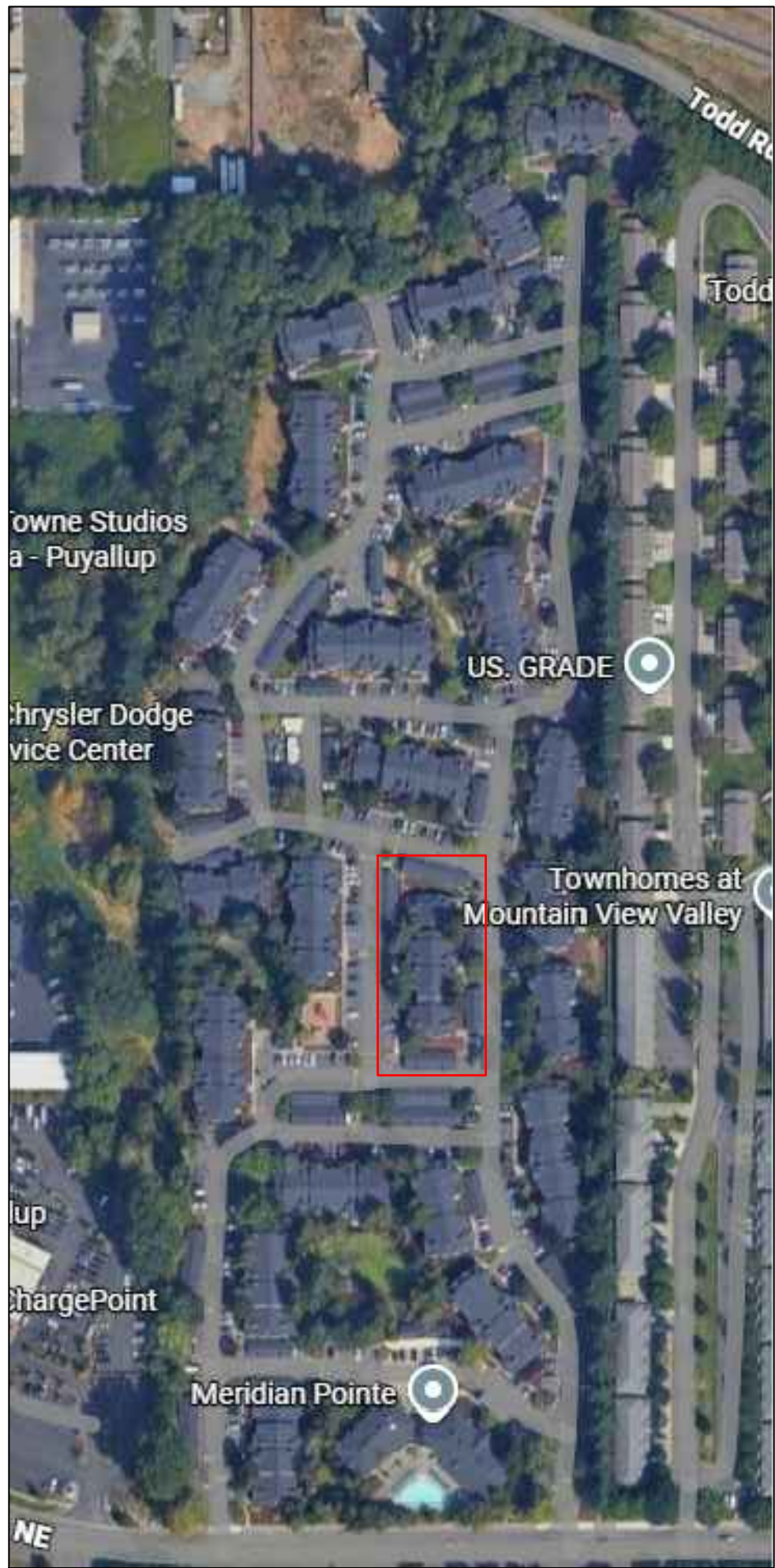


1. INSTALLATION SHALL BE ACCOMPLISHED IN STRICT COMPLIANCE WITH NFPA, LOCAL, AND STATE AHJ'S, NEC, AND CONTRACT DRAWINGS.
2. RECORD DRAWINGS ARE REQUIRED AT THE TIME OF AHJ ACCEPTANCE. PATRIOT FIRE PROTECTION, INC. REQUIRES ELECTRICAL RED LINES WITH IN TWO WEEKS PRIOR TO PRIOR AHJ TESTS.
3. AGREEMENT 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 ENERGIIZED 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.

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.

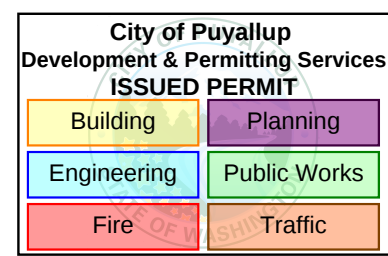


☐ ASSEMBLY (A)	☐ A-1	☐ A-2	☐ A-3	☐ A-4	☐ A-5
☐ BUSINESS (B)					
☐ EDUCATIONAL (E)					
☐ FACTORY & INDUSTRIAL (F)	☐ F-1	☐ F-2			
☐ HIGH HAZARD (H)	☐ H-1	☐ H-2	☐ H-3	☐ H-4	☐ H-5
☐ INSTITUTIONAL (I)	☐ I-1	☐ I-2	☐ I-3	☐ I-4	
☐ MERCANTILE (M)					
☒ RESIDENTIAL (R)	☐ R-1	☒ R-2	☐ R-3	☐ R-4	
☐ STORAGE (S)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

☐ NO ☐ PARTIAL ☒ FULL

SYMBOL	NEW	EXISTING	MANUFACTURER	PART NO	DESCRIPTION
	1		POTTER	AFC-50	FIRE ALARM CONTROL PANEL
2	1		POTTER	PAD100-DIM	DUAL INPUT MODULE
	1		POTTER	PAD100-SIM	SINGLE INPUT MODULE
	1		POTTER	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION
6DB	1		POTTER	PAD300-PD W/PAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE
		1	EXISTING	EXISTING	BELL

	MANUAL PULL STATION	SMOKE DETECTOR	WATERFLOW	TAMPER	SYSTEM TROUBLE	AL. 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
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 OUTDOOR BELL	X	X	X			



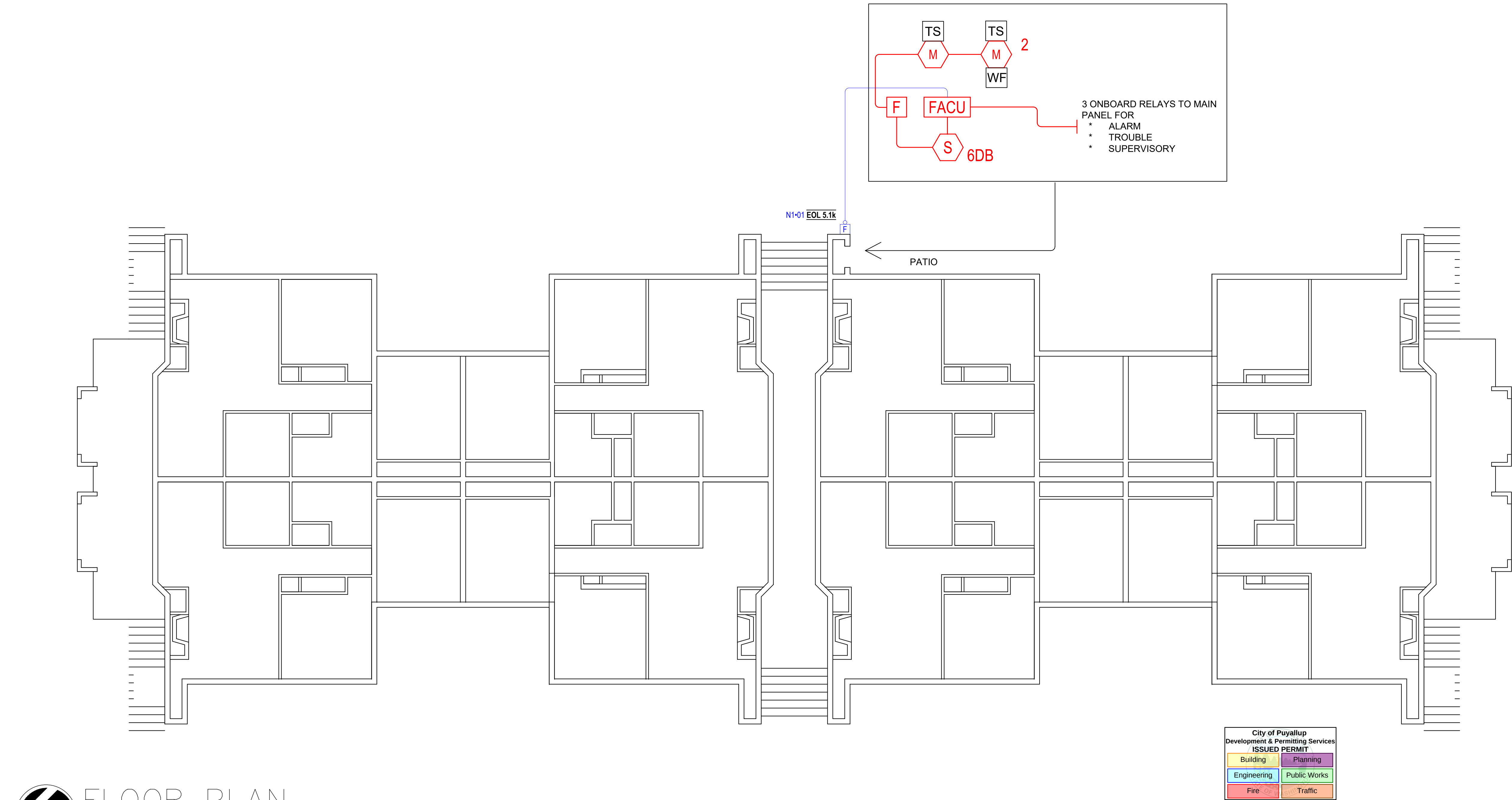
THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

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.

[illegible]

PANEL											
(AFC-50) BATTERY CALCULATION											
(SECONDARY POWER SOURCE REQUIREMENTS)											
PANEL COMPONENTS					STANDBY CURRENT				SECONDARY ALARM CURRENT		
					QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
					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
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)
L1	N/A	0.020980		 2	1	PAD100-DIM	DUAL INPUT MODULE	0.00024	0.00024	0.00024	0.00024
					1	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION	0.0002	0.0002	0.0002	0.0002
					1	PAD100-SIM	SINGLE INPUT MODULE	0.00024	0.00024	0.00024	0.00024
				 6DB	1	PAD300-PD WPAD300-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE	0.0003	0.0003	0.0003	0.0003
N1					1	EXISTING	EXISTING	0	0	0.02	0.02
								TOTAL STANDBY (A)	0.13098	TOTAL ALARM (A)	0.24098
								REQUIRED STANDBY TIME (HOURS)		24	
								REQUIRED ALARM TIME (MINUTES)		5	
SECONDARY STANDBY LOAD (A)							0.13098	24	3.14		
SECONDARY ALARM LOAD (A)							0.24098	0.083	0.020		
STANDBY AND ALARM SUBTOTAL (AMP HOURS)									3.16		
DERATING FACTOR									1.25		
SECONDARY LOAD REQUIREMENTS (AMP HOURS)									3.95		
PROVIDE (2) 12V 8AH BATTERIES											
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.											

N1 LUMP SUM REPORT				CURRENT SUMMARY		POWER SUMMARY	
				MAX. CIRCUIT CURRENT (A):	2.50	STARTING CALC. VOLTAGE:	20.40
				TOTAL CIRCUIT CURRENT (A):	0.02	MAX. VOLTAGE DROP:	0
				SPARE CIRCUIT CURRENT (A):	2.48	VOLTAGE DROP %:	0.01 %
				SPARE CIRCUIT CURRENT %:	99.20 %	MIN. OPERATIONAL VOLTAGE:	16
				MAX. CARD CURRENT (A):	n/a	END OF LINE VOLTAGE:	20.40
				TOTAL CARD CURRENT (A):	0.02098	WIRE RESISTANCE (Ω/KFT):	3.07
				SPARE CARD CURRENT (A):		TOTAL CIRCUIT LENGTH (FT):	15
				SPARE CARD CURRENT %:		TOTAL CIRCUIT RESISTANCE (Ω):	0.093134
				CIRCUIT WIRING PROPERTIES: 14 AWG, 2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED			
				DISTANCE MEASURED USING DRAWING SEGMENT LENGTHS WITH 10.00 % ADDITIONAL LENGTH CALCULATED			
				SYMBOL	QUANTITY	PART NO	DESCRIPTION
				Ⓜ	1	EXISTING	EXISTING
				CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
					0.02	0.02	
				CALCULATION METHODS:			
				TOTAL RESISTANCE (Ω) = WIRE RESISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT LENGTH (FT)			
				TOTAL VOLTAGE DROP = TOTAL RESISTANCE (Ω) X TOTAL CIRCUIT CURRENT (A)			



FLOOR PLAN
1/4"=1'-0"

STATE CERTIFICATION

Jeff Harasimowitz

Fire Alarm Systems - Level III

NICET Certification Number 160601

Exp: 11/01/2028

Authorizing Signature:

SHEET INDEX	DESCRIPTION	REV	GENERAL SHEET	DEVICE LOCATIONS AND CALCULATIONS	PRODUCT TYPICALS
FA001					
FA101					
FA102					

REVISIONS

NO	DATE	BY	DESCRIPTION

SYSTEM DESIGN CODES

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)

INSTALLATION COMPANY

PATRIOT FIRE PROTECTION, INC.

2707 70TH AVE E, TACOMA, WA 98424

MONITORING COMPANY

SECURITAS

4500 3RD AVE SE

LACEY, WA 98503

CONTRACT WITH:

PROJECT NAME:

Meridian Pointe Apartments

Building K

407 Valley Ave. NE

Puyallup, WA 98372

PATRIOT FIRE PROTECTION, INC.

2707 70th Ave E.

TACOMA, WA 98424

TEL: (253) 532-0967

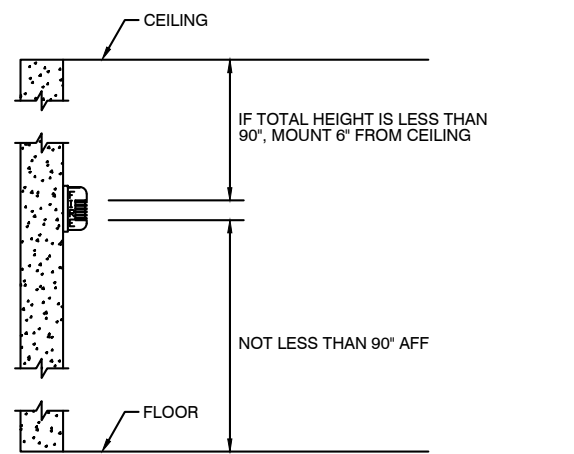
FAX: (253) 922-6150

PATRIFFP8370Q

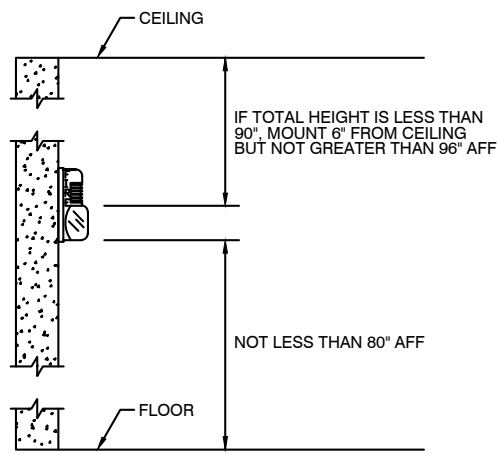
WWW.PATRIOTFIRE.COM

Erick.Escobedo@patriotfire.com

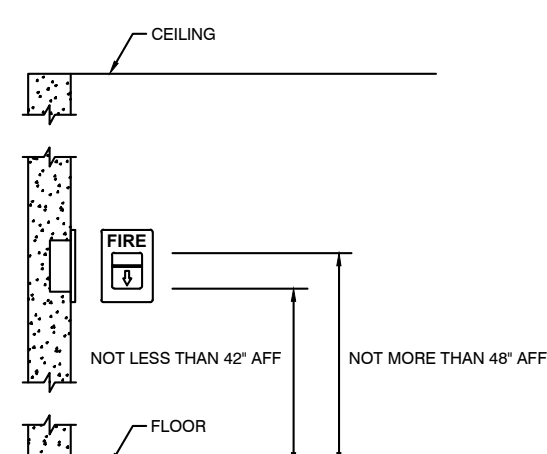
DESIGNER	ERICK E.	SHEET	2 OF 3	FA101
DATE	06/23/26			
JOB NO.	19-1129			



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 90" (2.29 m) AND BELOW THE FINISHED CEILINGS AT DISTANCE OF NOT LESS THAN 6" (150 mm).

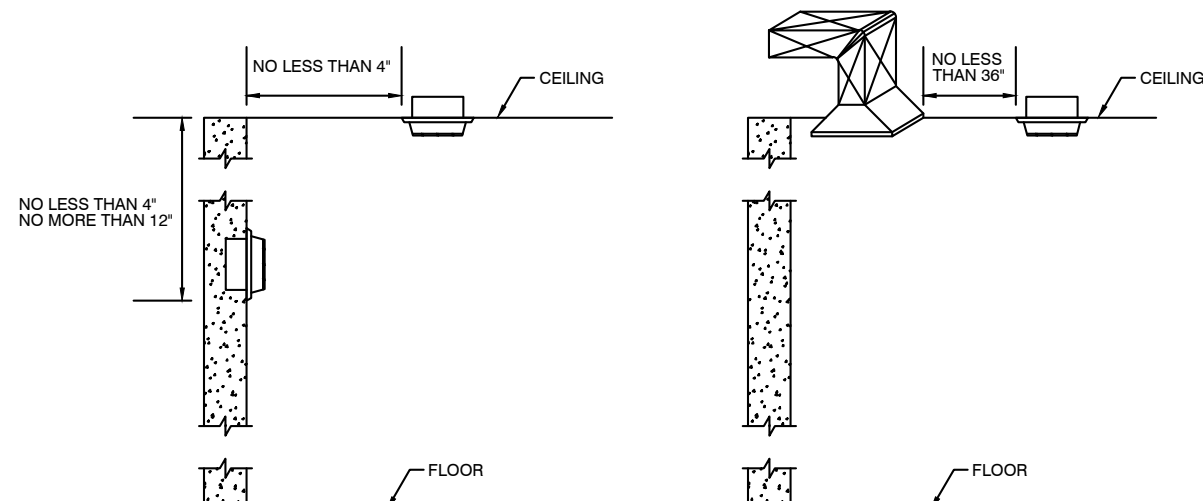


NFPA 72 2019, 18.5.5.1
WALL-MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 60" (2.03 m) AND NOT GREATER THAN 80" (2.04 m) ABOVE THE FINISHED FLOOR OR AT THE MOUNTING HEIGHT SPECIFIED USING THE PERFORMANCE-BASED ALTERNATIVE OF 18.5.5.7.



NFPA 72 2019, 17.15.6
THE OPERABLE PART OF A MANUALLY ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 42" (1.07 m) AND NOT MORE THAN 48" (1.22 m) FROM THE FINISHED FLOOR.

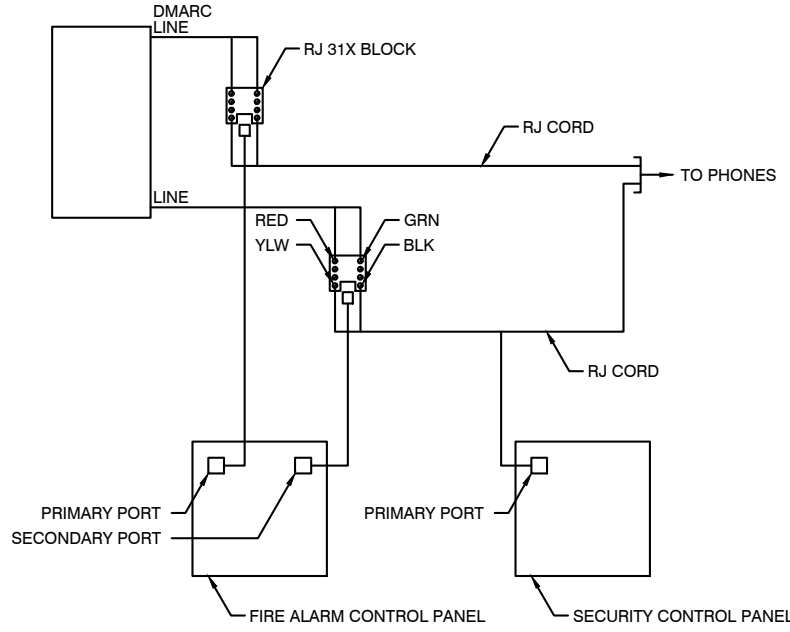
A FIRE ALARM - HORN MOUNTING



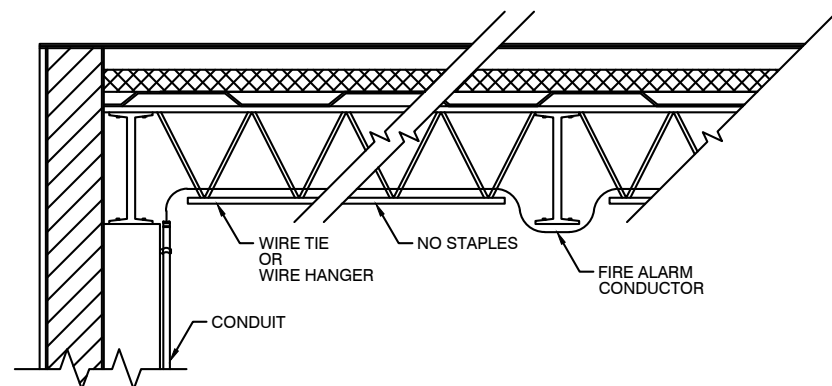
NFPA 72 2019, 17.6.3.1.3.1
UNLESS OTHERWISE MODIFIED BY 17.6.3.2.2, 17.6.3.3.2, OR 17.6.3.7, SPOR-TYPE HEAT-SENSING FIRE DETECTORS SHALL BE LOCATED ON THE CEILING NOT LESS THAN 4" (100mm) FROM THE SIDEWALLS BETWEEN 4" AND 12" (100mm) AND 300mm) FROM THE CEILING.

NFPA 72 2019, 17.7.4.1 / A.17.7.4.1
DETECTORS SHALL NOT BE LOCATED WHERE AIRFLOW PREVENTS OPERATION, WITH THE ANNEX MATERIAL ADVISING THE 36" (910mm) MINIMUM OPERATION.

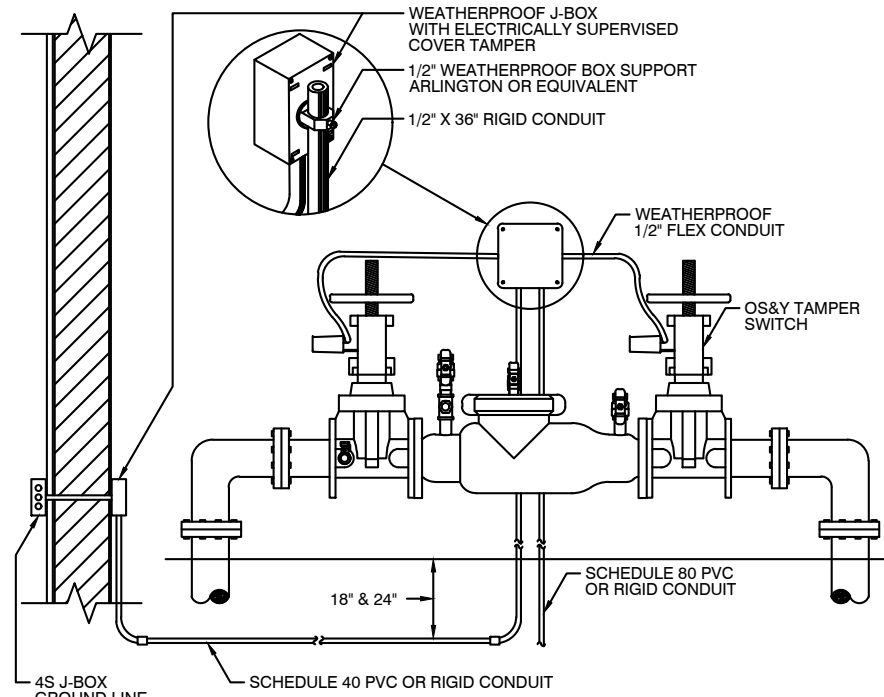
D FIRE ALARM - SMOKE & HEAT MOUNTING



B FIRE ALARM - STROBE MOUNTING

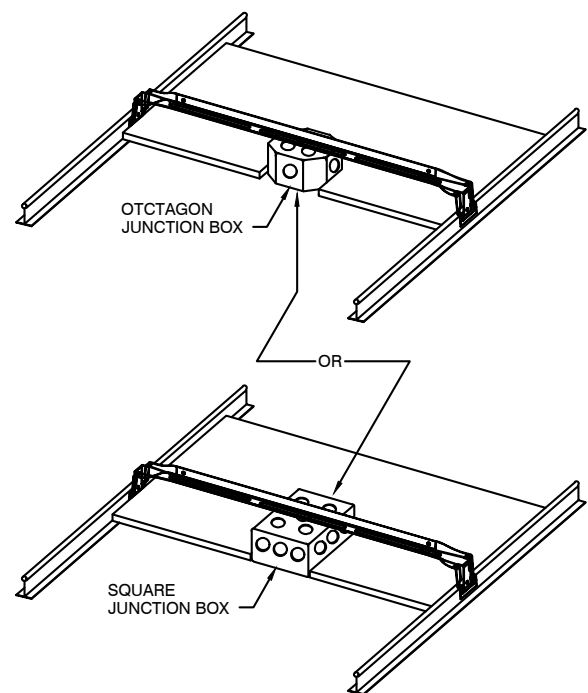


C FIRE ALARM - PULL STATION MOUNTING

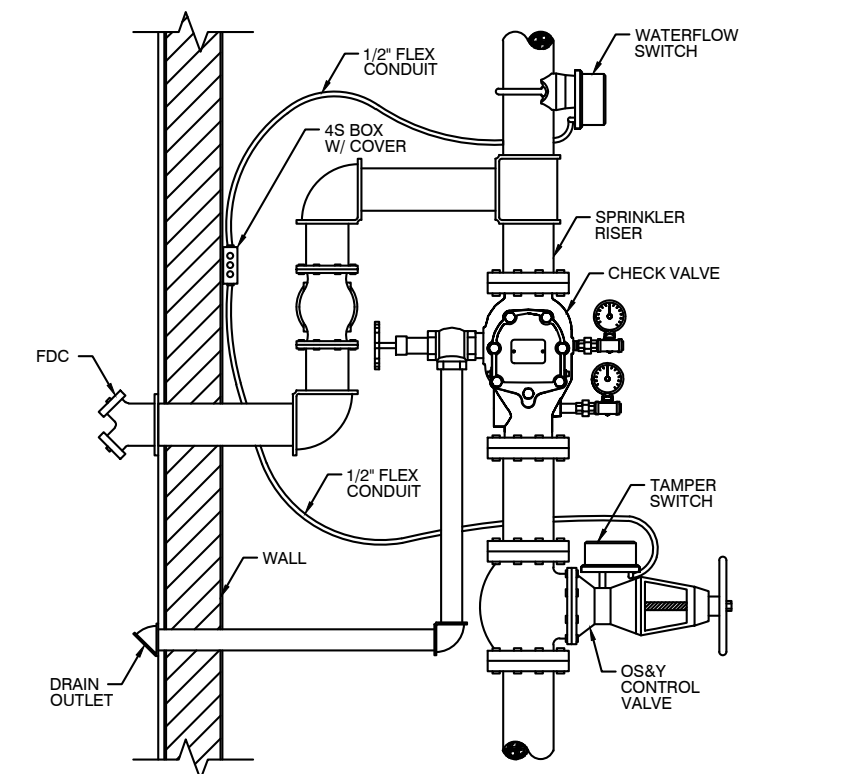


E FIRE ALARM - PHONE CONNECTION

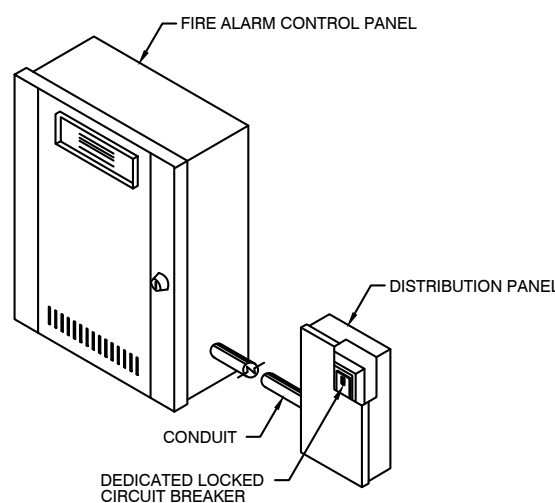
F FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING



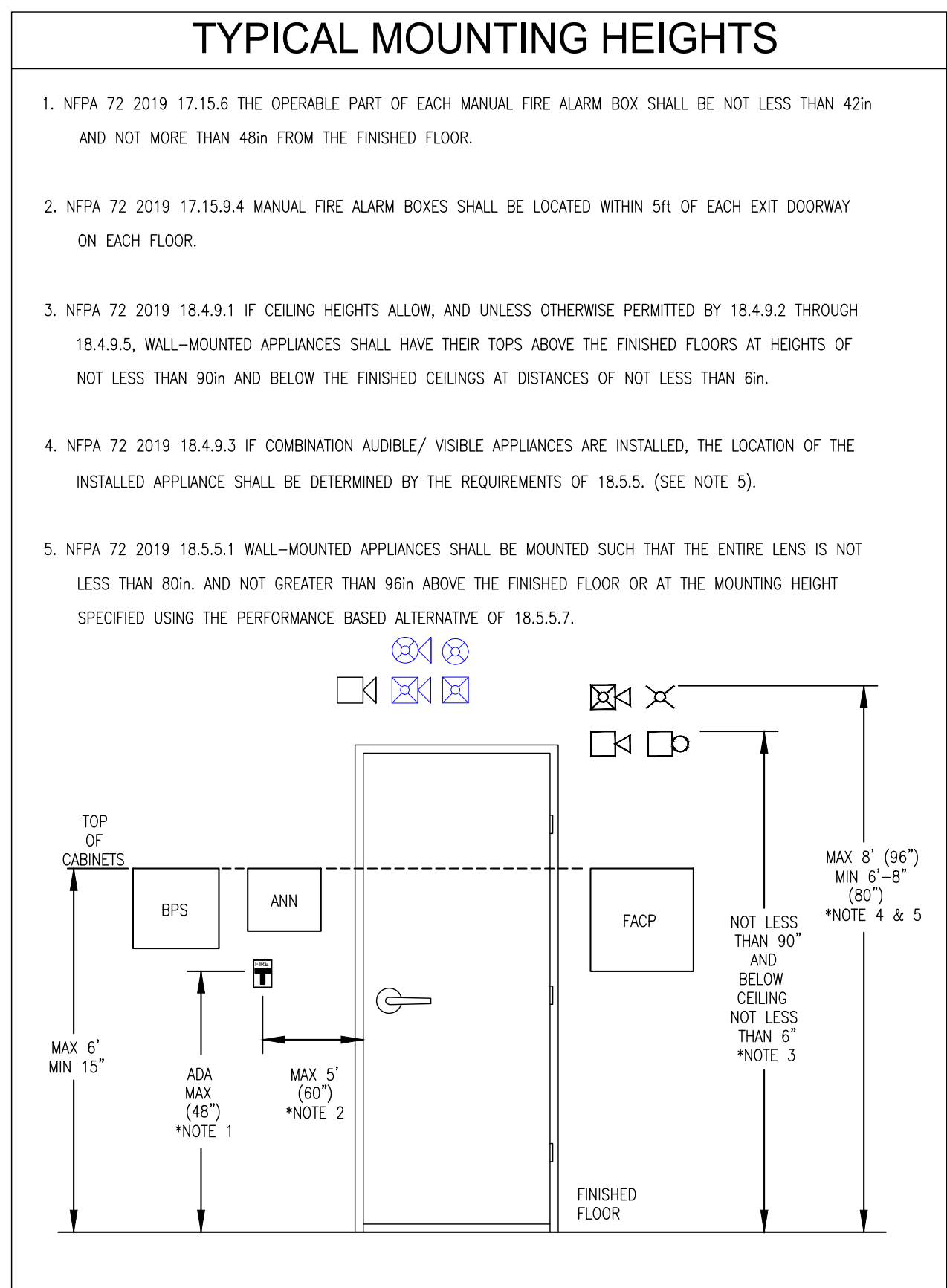
G FIRE ALARM - DROP CEILING & J BOX



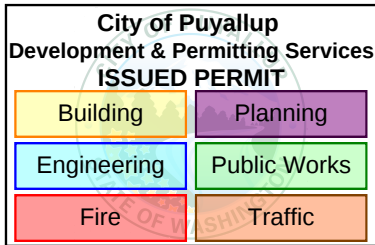
H FIRE ALARM - DCVA TAMPER SWITCHES



I FIRE ALARM - POWER DISCONNECT



J FIRE ALARM - OS&Y TAMPER GATE VALVE



STATE CERTIFICATION

SHEET INDEX	DESCRIPTION	REV	REVISIONS	
			NO	DATE
FA001	GENERAL SHEET			
FA101	DEVICE LOCATIONS AND CALCULATIONS			
FA102	PRODUCT TYPICALS			

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DESIGNER	ERICK E.	SHEET	3 OF 3
DATE	06/23/26		
JOB NO.	19-1129		

FA102