

GENERAL NOTES

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 ENEGRIZED 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.

DRAWING ACCEPTANCE

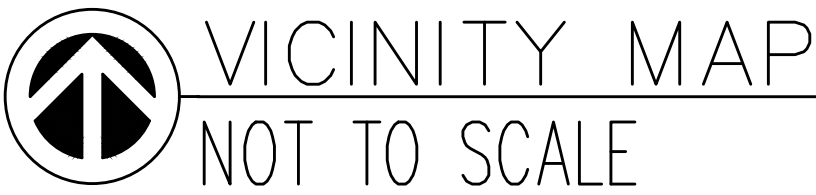
THIS DRAWING IS TO BE USED FOR THE PURPOSE OF PLACING AND LOCATING PATRIOT FIRE PROTECTION, INC. FIRE ALARM DEVICES AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.




INSTALLATION COMPANY

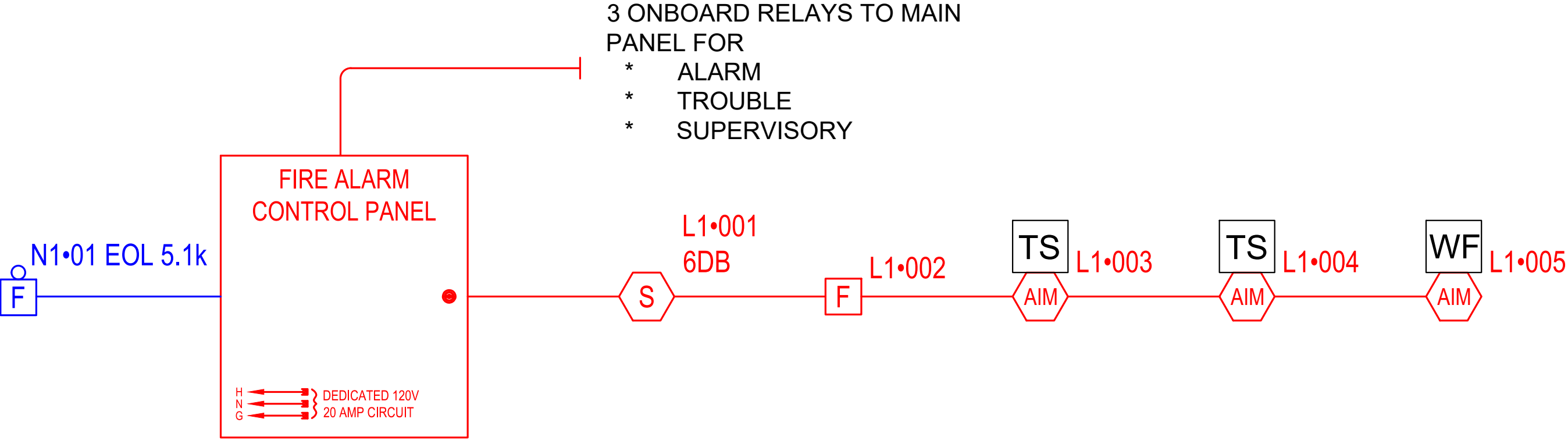
PATRIOT FIRE PROTECTION, INC.  
2707 70TH AVE E, TACOMA, WA 98424

MONITORING COMPANY

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



PANEL (AFC-50) BATTERY CALCULATION (SECONDARY POWER SOURCE REQUIREMENTS)											
PANEL COMPONENTS					QTY	PART NO.	DESCRIPTION	STANDBY CURRENT		SECONDARY ALARM CURRENT	
					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	0.001220			1	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION	0.0002	0.0002	0.0002	0.0002
					3	PAD100-SIM	SINGLE INPUT MODULE	0.00024	0.00072	0.00024	0.00072
				 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	
SECONDARY STANDBY LOAD (A)							0.13122	24	3.15		
SECONDARY ALARM LOAD (A)							0.22122	0.083	0.018435		
STANDBY AND ALARM SUBTOTAL (AMP HOURS)									3.17		
DERATING FACTOR									1.25		
SECONDARY LOAD REQUIREMENTS (AMP HOURS)									3.96		
PROVIDE (2) 12V 8AH BATTERIES											
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.											



RISER DIAGRAM  
NOT TO SCALE

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 ANSI 117.1  
NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72 2019 EDITION)

USE & OCCUPANCY CLASSIFICATION

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

AUTOMATIC SPRINKLER PROTECTION

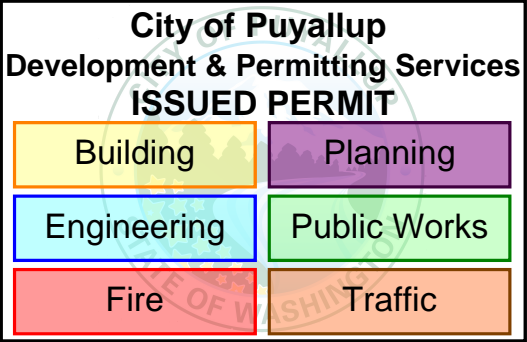
- ☐ NO
- ☐ PARTIAL
- ☒ FULL

DEVICE LEGEND

SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
[F200]	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 WITH 6" STANDARD BASE
[B]	1	POTTER	PSC-10-24	10" BELL
ADDITIONAL ASSEMBLY COMPONENTS AND HARDWARE				
	1	POTTER	AFC-50 MAIN BOARD	FIRE ALARM CONTROL PANEL MAIN BOARD

OPERATION MATRIX

	MANUAL PULL STATION	SMOKE DETECTOR (SPD)	INTERFLOW	TAMPER	SYSTEM TROUBLE	AC 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 BUILDING NOTIFICATION (A/V DEVICES)	X	X	X			



City of Puyallup  
Fire  
REVIEWED  
FOR  
COMPLIANCE  
DDrake  
05/28/2025  
3:51:33 PM

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.



SHEET INDEX	DESCRIPTION	REV	SHEET INDEX									
			FA001	FA101	FA102							
	CALCULATIONS AND GENERAL SHEET											
	FLOOR PLAN											
	PRODUCT TYPICALS											

REVISIONS

NO	DATE	BY	DESCRIPTION
1	4/28/2025	CO	ADDED 1ST FLOOR PLAN

CONTRACT WITH:  
Meridian Pointe Apartments  
407 Valley Ave NE  
Puyallup, WA 98372

PROJECT NAME:  
MERIDIAN POINTE APARTMENTS  
Building G  
407 Valley Ave NE  
Puyallup, WA 98372

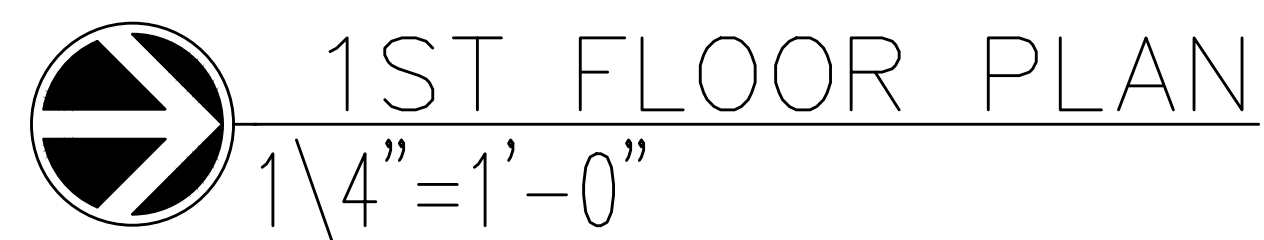
PATRIFFP8370Q  
WWW.PATRIOTFIRE.COM  
Christopher.Olsen@patriotfire.com

2707 70th AVE E.  
TACOMA, WA 98424

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

DESIGNER	CHRIS O.	SHEET	FA001
DATE	04/23/2025	1 OF 3	
JOB NO.	12–24156F		



[illegible]

CEILING

IF TOTAL HEIGHT IS LESS THAN 80" MOUNT 6" FROM CEILING BUT NOT GREATER THAN 96" AFF

NOT LESS THAN 80" AFF

FLOOR

NFPA 72 2013, 18.5.5.1  
WALL MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AFF NOT GREATER THAN 96" ABOVE THE FINISHED FLOOR.

Diagram illustrating the weatherproofing of an electrical service entrance through a wall. The diagram shows the connection of a 4S J-box (left) to a 1S J-box (right) through a wall. Key components and labels include:

- WEATHERPROOF J BOX WITH ELECTRICALLY SUPERVISED COVER TAMPER** (Top right)
- 1/2" WEATHERPROOF BOX SUPPORT ARLINGTON OR EQUIVALENT** (Top right)
- 1/2" X 3/8" RIGID CONDUIT** (Top right)
- WEATHERPROOF 1/2" FLEX CONDUIT** (Top right)
- OMSY TAMPER SWITCH** (Top right)
- SCHEDULE 80 PVC OR RIGID CONDUIT** (Bottom right)
- 18" & 24"** (Bottom right)
- SCHEDULE 40 PVC OR RIGID CONDUIT** (Bottom right)
- 4S J-BOX** (Bottom left)
- 1S J-BOX** (Bottom right)

Diagram illustrating the connection of a fire alarm control panel to a distribution panel. The fire alarm control panel is connected to a dedicated locked fire alarm breaker via a conduit. The breaker is then connected to the distribution panel.

# 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.

The diagram illustrates the mounting heights for various fire alarm components. A central vertical line represents the finished floor. To the left, a dashed line indicates the ceiling height. Key components and their mounting specifications are as follows:

- TOP OF CABINETS:** Indicated by a dashed line at the top of the wall.
- BPS (Backup Power Supply):** Mounted on the wall, with a height of **MAX 6' MIN 15"** from the finished floor.
- ADA (48") \*NOTE 1:** Mounted on the wall, with a height of **MAX 5' (60") \*NOTE 2** from the finished floor.
- MANUAL FIRE ALARM BOX (MFBX):** Mounted on the wall, with a height of **MAX 5' (60") \*NOTE 2** from the finished floor.
- FINISHED FLOOR:** The base reference point for all measurements.
- WALL-MOUNTED APPLIANCE (WMA):** Mounted on the wall, with a height of **NOT LESS THAN 90" AND BELOW CEILING NOT LESS THAN 6" \*NOTE 3** from the finished floor.
- WMA (60") \*NOTE 4 & 5:** Mounted on the wall, with a height of **MAX 8' (96") MIN 6'-8" (80") \*NOTE 4 & 5** from the finished floor.

FA-102