Symbol Legend

SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER	QUANTITY
FACP	FACP, ANALOG ADDRESSABLE, BLK	GAMEWELL FCI	SLP-BLK	1
FAA	LCD REMOTE ANNUNCIATOR	GAMEWELL FCI	LCD-E3	1
NAC n	10AMP, 120VAC REMOTE CHARGER POWER SUPPLY, RED ENCLOSURE	HONEYWELL PRODUCTS	HPF-PS10	1
DOC	DOCUMENT STORAGE BOX, 12 IN. X 13 IN. X 2.25 IN. W/4GB FLASH DRIVE	SPACEAGE	SSU00685	1
S	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE	GAMEWELL FCI	ASD-PL3	1
S BT	OSID SMOKE DETECTION, EMITTER BATTERY OPERATED	XTRALIS	OSE-SP-01	7
S BR	OSID SMOKE DETECTION, IMAGER 7º COVERAGE	XTRALIS	OSI-10	7
S	4 WIRE PHOTO DUCT DETECTOR WITH 2051 DETECTOR	SYSTEM SENSOR	D4120	6
H	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE	GAMEWELL FCI	ATD-L3	1
ARM 1	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE	GAMEWELL FCI	AOM-2RF	6
F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	GAMEWELL FCI	MS-7AF	4
AIM 1	MONITOR MODULE, ADDRESSABLE, CLASS A OR B	GAMEWELL FCI	AMM-4F	9
AIM 2	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B	GAMEWELL FCI	AMM-2IF	6
EOL	RELAY, 10 AMP, 24 VDC - 110 VAC	SYSTEM SENSOR	EOLR-1	2
	HORN/STROBE, 2 WIRE, STANDARD CD, RED, OUTDOOR	SYSTEM SENSOR	P2RK	1
WP H	L-SERIES 2-WIRE, HORN STROBE, RED, CEILING	SYSTEM SENSOR	PC2RL	2
	EOL-4.7K	GAMEWELL FCI	EOL-4.7	3

Battery Calculations for Panel: P1

Part No:SLP-BLK - FACP, ANALOG ADDRESSABLE, BLK

Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
		Panel Equipment				
SLP_MB	1	SLP MAIN ELECTRONIC, BOARD	81.0000mA	81.0000mA	150.0000mA	150.0000mA
INI-VGC	1	INI-VGC COMMAND CENTER VOICE GATEWAY	150.0000mA	150.0000mA	150.0000mA	150.0000mA
PM-9	1	POWER SUPPLY MODULE - 9-AMP	50.0000mA	50.0000mA	50.0000mA	50.0000mA
ASM-16	1	PROGRAMMABLE SWITCH MODULE, 16 SW, 48 LED	11.0000mA	11.0000mA	155.0000mA	155.0000mA
			Total Panel Stby	292.0000mA	Total Panel Alarm	505.0000mA
		Peripheral Devices				
LCD-E3	2	LCD REMOTE ANNUNCIATOR, LCD-E3 (Serial)	0.0000mA	0.0000mA	0.0000mA	0.0000mA
AMM-2IF	6	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B (Signaling line)	0.7500mA	4.5000mA	0.9700mA	5.8200mA
AOM-2RF	6	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE (Signaling line)	0.3750mA	2.2500mA	6.5000mA	39.0000mA
AMM-4F	9	MONITOR MODULE, ADDRESSABLE, CLASS A OR B (Signaling line)	0.3750mA	3.3750mA	5.0000mA	45.0000mA
MS-7AF	4	PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)	0.3000mA	1.2000mA	3.0000mA	12.0000mA
ATD-L3	1	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE (Signaling line)	0.2000mA	0.2000mA	2.0000mA	2.0000mA
ASD-PL3	1	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)	0.2000mA	0.2000mA	2.0000mA	2.0000mA
HPF-PS10	1	10AMP, 120VAC REMOTE CHARGER POWER SUPPLY, RED ENCLOSURE, HPF-PS10_MB (Notification)	2.0000mA	2.0000mA	2.0000mA	2.0000mA
			Total Peripheral Stby	13.7250mA	Total Periph Alarm	107.8200mA
			Total Standby Amps	305.7250mA	Total Alarm Amps	612.8200mA

Standby time: 24 Hrs 7.337Ah
Alarm time: 5 Min 0.051Ah
Battery requirement: 7.388Ah
Compensation Factors - Standby: 1.2 Alarm: 1.2 Requirement with compensation: 8.866Ah

Battery Calculations for Panel: P2

Part No:HPF-PS10 - 10AMP, 120VAC REMOTE CHARGER POWER SUPPLY, RED ENCLOSURE

Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
		Panel Equipment				
HPF-PS10_MB	1	MAINBOARD FOR THE HPF-PS10	65.0000mA	65.0000mA	145.0000mA	145.0000mA
			Total Panel Stby	65.0000mA	Total Panel Alarm	145.0000mA
		Peripheral Devices				
EOL-4.7	3	EOL-4.7K (Notification)	0.0000mA	0.0000mA	0.0000mA	0.0000mA
P2RK	1	HORN/STROBE, 2 WIRE, STANDARD CD, RED, OUTDOOR (Notification) 110CD 88dB	0.0000mA	0.0000mA	221.0000mA	221.0000mA
PC2RL	2	L-SERIES 2-WIRE, HORN STROBE, RED, CEILING (Notification) 150CD 88dB	0.0000mA	0.0000mA	229.0000mA	458.0000mA
OSI-10	7	OSID SMOKE DETECTION, IMAGER 7º COVERAGE (Power)	8.0000mA	56.0000mA	8.0000mA	56.0000mA
OSE-SP-01	7	OSID SMOKE DETECTION, EMITTER BATTERY OPERATED (Power)	0.8000mA	5.6000mA	0.8000mA	5.6000mA
EOLR-1	2	RELAY, 10 AMP, 24 VDC - 110 VAC (Power)	0.0000mA	0.0000mA	20.0000mA	40.0000mA
			Total Peripheral Stby	61.6000mA	Total Periph Alarm	780.6000mA
			Total Standby Amps	126.6000mA	Total Alarm Amps	925.6000mA

Standby time: 24 Hrs 3.038Ah
Alarm time: 5 Min 0.077Ah
Battery requirement: 3.116Ah
Compensation Factors - Standby: 1.2 Alarm: 1.2 Requirement with compensation: 3.739Ah

Circuit Calculations Panel: P1 Card: 00

Terminal Voltage: 20.4V:DC Amperage: 1.0000A
Cable: 18/2 SOL JKT FPLR 1M RL RED #18
Calculations based on Lump Sum Length.
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 10%

Circuit	Description	Type	Total Len	ASD-PL3, 2.000mA	AMM-4F, 5.000mA	MS-7AF, 3.000mA	AOM-2RF, 6.500mA	ATD-L3, 2.000mA	AMM-2IF, 0.970mA	Total Amps	Gauge	V Drop %	V Drop	Resistance	Max Len
SLC		Signaling line/FCI - SLC, VELOCITY	1220'-4¾	1	9	4	6	1	6	11.7250mA	#18	1.09	0.2224V	19.0 Ohms	11196'-0

Circuit Calculations Panel: P2 Card: 06

Terminal Voltage: 20.4V:DC Amperage: 3.0000A
Cable: 14/2 SOL JKT FPLR 1M RL RED #14
Calculations based on Lump Sum Length.
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 10%

Circuit	Description	Type	Total Len	P2RK, 110CD, 221.000mA	EOL-4.7	Total Amps	Gauge	V Drop %	V Drop	Resistance	Max Len
NAC1		Notification	26'-1	1	1	221.0000mA	#14	0.17	0.0354V	0.2 Ohms	1503'-0

Circuit Calculations Panel: P2 Card: 06

Terminal Voltage: 20.4V:DC Amperage: 3.0000A
Cable: 14/2 SOL JKT FPLR 1M RL RED #14
Calculations based on Lump Sum Length.
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 10%

Circuit	Description	Type	Total Len	PC2RL, 150CD, 229.000mA	EOL-4.7	Total Amps	Gauge	V Drop %	V Drop	Resistance	Max Len
NAC2		Notification	97'-5¾	1	1	229.0000mA	#14	0.67	0.1371V	0.6 Ohms	1450'-0

Circuit Calculations Panel: P2 Card: 06

Terminal Voltage: 20.4V:DC Amperage: 3.0000A
Cable: 14/2 SOL JKT FPLR 1M RL RED #14
Calculations based on Lump Sum Length.
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 10%

Circuit	Description	Type	Total Len	PC2RL, 150CD, 229.000mA	EOL-4.7	Total Amps	Gauge	V Drop %	V Drop	Resistance	Max Len
NAC3		Notification	173'-10	1	1	229.0000mA	#14	1.20	0.2444V	1.1 Ohms	1450'-0

Circuit Calculations Panel: P2 Card: 06

Terminal Voltage: 20.4V:DC Amperage: 3.0000A
Cable: 14/2 SOL JKT FPLR 1M RL RED #14
Calculations based on Lump Sum Length.
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 10%

Circuit	Description	Type	Total Len	OSI-10, 8.000mA	OSE-SP-01, 0.800mA	EOLR-1, 20.000mA	Total Amps	Gauge	V Drop %	V Drop	Resistance	Max Len
AUX6		Power/Resettable	416'-3½	4	4	1	55.2000mA	#14	0.69	0.1411V	2.6 Ohms	6018'-0

Circuit Calculations Panel: P2 Card: 06

Terminal Voltage: 20.4V:DC Amperage: 3.0000A
Cable: 14/2 SOL JKT FPLR 1M RL RED #14
Calculations based on Lump Sum Length.
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 10%

Circuit	Description	Type	Total Len	OSI-10, 8.000mA	OSE-SP-01, 0.800mA	EOLR-1, 20.000mA	Total Amps	Gauge	V Drop %	V Drop	Resistance	Max Len
AUX7		Power/Resettable	402'-9½	3	3	1	46.4000mA	#14	0.56	0.1148V	2.5 Ohms	7160'-0

Appliance List

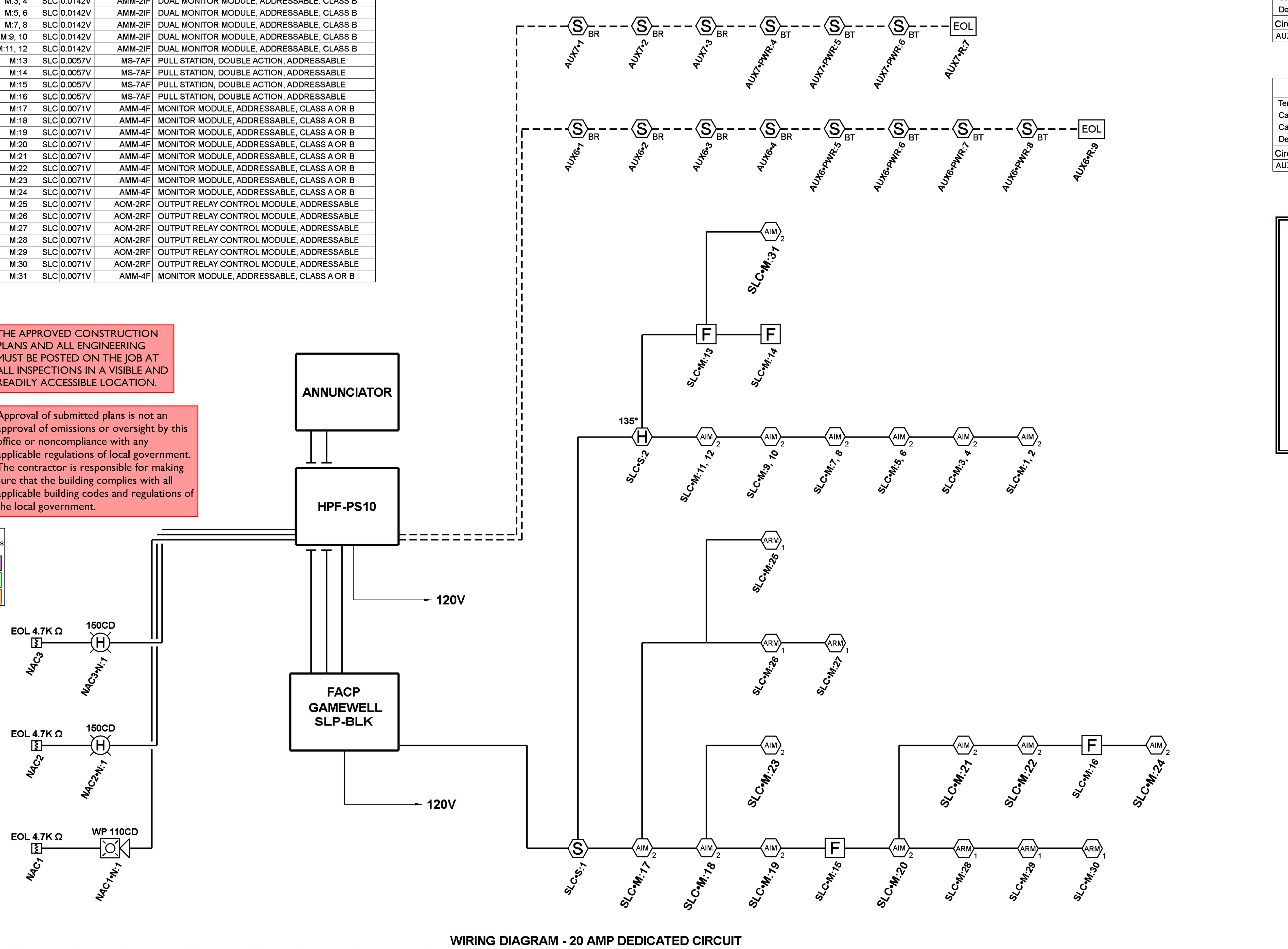
Device	Address	Circuit	V. Drop	Part Number	Description
DUAL MONITOR MODULE	M:1, 2	SLC	0.0142V	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
PHOTOELECTRIC DETECTOR	S:1	SLC	0.0038V	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE
HEAT DETECTOR	S:2	SLC	0.0038V	ATD-L3	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE
DUAL MONITOR MODULE	M:3, 4	SLC	0.0142V	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
DUAL MONITOR MODULE	M:5, 6	SLC	0.0142V	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
DUAL MONITOR MODULE	M:7, 8	SLC	0.0142V	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
DUAL MONITOR MODULE	M:9, 10	SLC	0.0142V	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
DUAL MONITOR MODULE	M:11, 12	SLC	0.0142V	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
ADDRESSABLE PULL STATION	M:13	SLC	0.0057V	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE
ADDRESSABLE PULL STATION	M:14	SLC	0.0057V	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE
ADDRESSABLE PULL STATION	M:15	SLC	0.0057V	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE
ADDRESSABLE PULL STATION	M:16	SLC	0.0057V	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE
MONITOR MODULE	M:17	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:18	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:19	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:20	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:21	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:22	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:23	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
MONITOR MODULE	M:24	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
CONTROL MODULE	M:25	SLC	0.0071V	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE
CONTROL MODULE	M:26	SLC	0.0071V	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE
CONTROL MODULE	M:27	SLC	0.0071V	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE
CONTROL MODULE	M:28	SLC	0.0071V	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE
CONTROL MODULE	M:29	SLC	0.0071V	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE
CONTROL MODULE	M:30	SLC	0.0071V	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE
MONITOR MODULE	M:31	SLC	0.0071V	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B

City of Puyallup Fire
REVIEWED FOR COMPLIANCE
DDrake
10/03/2024
1:22:56 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.

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



WIRING DIAGRAM - 20 AMP DEDICATED CIRCUIT

Drawing reviewed by:

Matt Carlman
NICET Certification No. 146053
Fire Alarm Systems – Level III
Certification Expires: 11/01/2026

E-mail: mattc@firesystemswest.com
Phone: 253-951-6005

OPERATIONAL MATRIX

SYSTEM OUTPUTS: A = Actuate Common Alarm Signal Indicator; B = Actuate Audible Alarm Signal; C = Actuate Common Supervisory Signal Indicator; D = Actuate Audible Supervisory Signal; E = Actuate Common Trouble Signal Indicator; F = Actuate Audible Common Trouble Signal; G = Actuate Alarm Indicator; H = Actuate Evacuation Signals; I = HVLS Fan Shutdown; J = Transmit Fire Alarm Signal to Supervising Station; K = Transmit Supervisory Signal to Supervising Station; L = Transmit Trouble Signal to Supervising Station; M = Actuate Exterior Strobe at F.D. Response Point

	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	
1	Manual Fire Alarm Boxes	●	●					●	●	●	●			●	1
2	Smoke Detectors/ Beam Detectors	●	●					●	●	●	●			●	2
3	IN-Duct Smoke Detectors			●	●							●			3
4	Waterflow	●	●					●	●	●	●			●	4
5	Sprinkler Control Valve			●	●							●			5
6	Fire Alarm AC Power Failure			●	●							●			6
7	Fire Alarm System Low Battery					●	●						●		7
8	Open Circuit					●	●						●		8
9	Ground Fault					●	●						●		9
10	Notification Appliance Circuit Short					●	●						●		10

GENERAL NOTES / SCOPE OF WORK

1. SYSTEM WIRING NOTED ON THE DRAWINGS IS PER MANUFACTURE AND CODE REQUIREMENTS. ANY ALTERATION TO SYSTEM WIRING, WITHOUT APPROVAL, IS AT ELECTRICAL CONTRACTOR'S OWN RISK!!

2. SYSTEM WIRING SHOWN ON DRAWINGS IS DIAGRAMMATIC AND ONLY USED FOR REFERENCE PURPOSES. ACTUAL WIRE AND DEVICE INSTALLATION MAY VARY DUE TO OBSTRUCTIONS.

3. WIRE SHOWN IN THIS DRAWING SET IS PERMITTED IN RACEWAYS LEADING TO FIRE PROTECTION EQUIPMENT. OTHER WIRE SHALL NOT BE PERMITTED IN THE SAME RACEWAY.

4. FIRE ALARM SYSTEM INSTALLATION SHALL CONFORM WITH THE LATEST U.L., N.E.C., N.F.P.A., W.A.C., AND OTHER STANDARDS AS APPLICABLE TO THE CITY STANDARDS.

5. WHEN NECESSARY, DUE TO CHANGING DESIGN REQUIREMENTS, FACTORY AVAILABILITY, ETC. FIRE SYSTEMS WEST RESERVES THE RIGHT TO SUBSTITUTE EQUIPMENT HEREIN MENTIONED OR SPECIFIED, WITH EQUIPMENT OF EQUAL OR BETTER QUALITY, FUNCTION AND DESIGN.

6. PARALLEL BRANCHING (T-TAPPING) OF WIRE TO ALL NOTIFICATION APPLIANCE CIRCUITS SHALL NOT BE PERMITTED.

7. FIRE SYSTEMS WEST WILL INSTALL A NEW FIRE ALARM CONTROL PANEL, COMMUNICATOR, AND POWER SUPPLY.

8. FIRE SYSTEMS WEST WILL INSTALL A NEW REMOTE FIRE ALARM ANNUNCIATOR.

9. FIRE SYSTEMS WEST WILL INSTALL NEW BEAM SMOKE DETECTORS.

10. FIRE SYSTEMS WEST WILL INSTALL NEW MANUAL PULL STATIONS AT EACH EXTERIOR EXIT.

11. FIRE SYSTEMS WEST WILL INSTALL NEW INPUT MODULES TO MONITOR THE SPRINKLER RISER SYSTEM AND THE FIRE PUMP.

12. FIRE SYSTEMS WEST WILL INSTALL NEW INPUT MODULES TO MONITOR THE DUCT SMOKE DETECTORS.

13. FIRE SYSTEMS WEST WILL INSTALL NEW RELAY MODULES FOR HVAC SHUTDOWN.

14. FIRE SYSTEMS WEST WILL INSTALL A NEW INTERIOR NOTIFICATION DEVICE IN EACH SHELL SPACE.

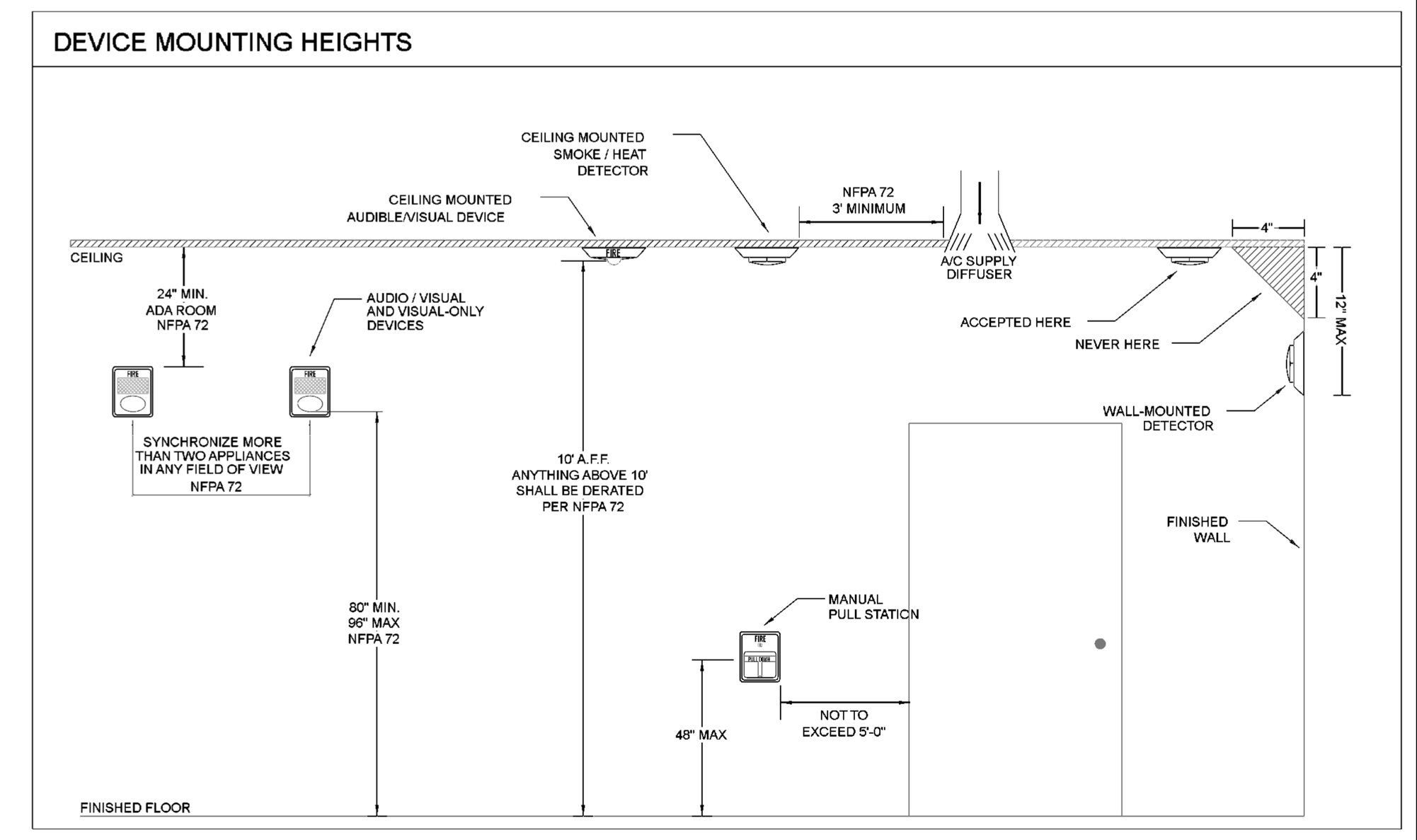
FLAG NOTES

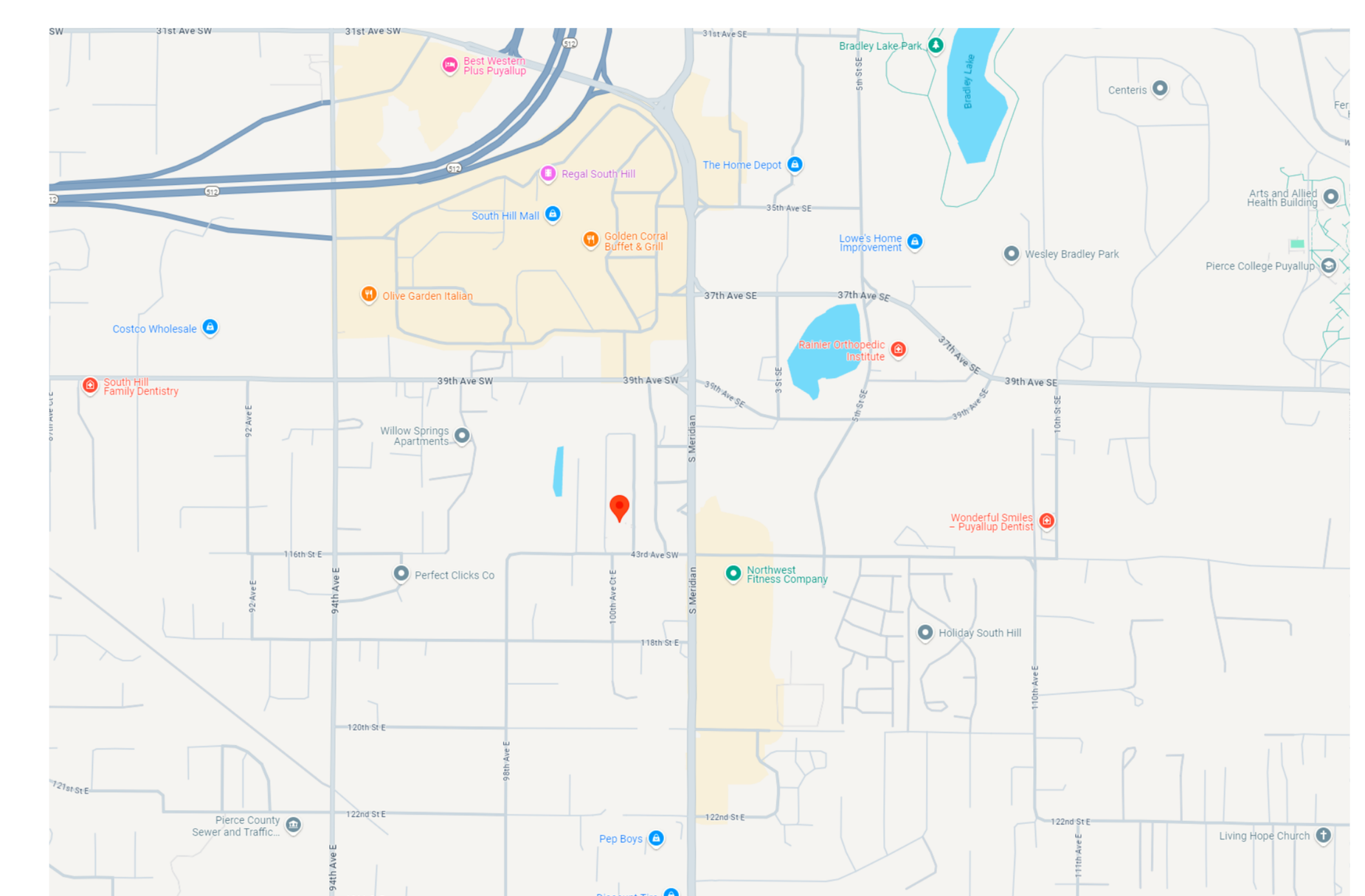
1. INSTALL NEW ADDRESSABLE INPUT MODULES TO MONITOR SPRINKLER RISER WATERFLOWS, TAMPERS, AND ANY PIV'S AND VAULT TAMPERS. COORDINATE WITH THE SPRINKLER CONTRACTOR.

2. INSTALL NEW ADDRESSABLE INPUT MODULES TO MONITOR THE FIRE PUMP ENGINE AND TAMPERS.

3. USE AUXILIARY POWER CIRCUIT FROM THE POWER SUPPLY TO POWER BEAM SMOKE DETECTORS. MONITOR EACH BEAM SMOKE DETECTOR WITH AN ADDRESSABLE INPUT MODULE. TIE EACH BEAM SMOKE DETECTOR INTO A REMOTE TEST SWITCH.

DEVICE MOUNTING HEIGHTS





VICINITY MAP
NOT TO SCALE

A	14/2 FPLP
B	16/2 FPLP
EX	EXISTING LOCATION
D	DEMO DEVICE
N	NEW DEVICE
R	RELOCATE

· STROBE COVERAGE AREA SHALL BE DEFINED AS ·

10 FT. CLG. HT.	20 FT. CLG. HT.	30 FT. CLG. HT.
15 cd = 20'x20'	30 cd = 20'x20'	75 cd = 20'x20'
30 cd = 30'x30'	75 cd = 30'x30'	95 cd = 30'x30'
75 cd = 40'x40'	95 cd = 40'x40'	110 cd = 40'x40'
95 cd = 50'x50'	110 cd = 50'x50'	115 cd = 50'x50'

CODE COMPLIANCE

OCCUPANT TYPE:	M	CITY OF PUYALLUP MUNICIPAL CODE
OCCUPANT LOAD:	194	2021 INTERNATIONAL BUILDING CODE
AREA:	13,171 SF	2021 INTERNATIONAL FIRE CODE
CONSTRUCTION:		2023 NATIONAL ELECTRICAL CODE
SPRINKLERED:	YES	2022 NATIONAL FIRE ALARM & SIGNALING CODE

DESIGNER
CAMRYN OLIVAREZ
NICET FAS-II, #153071
FIRE SYSTEMS WEST, INC
206 FRONTAGE ROAD NORTH #C
PACIFIC, WASHINGTON 98047
X [signature]

REVISIONS

NO.	DESCRIPTION	DATE	BY	CHK
1	ISSUED_FOR_REVIEW	09/11/2024	CO	MWC

Fire Systems West, Inc.
206 Frontage Rd. North #C
Pacific, WA 98047
f:(253) 735-0113
t:(253) 833-1248
WA ECL# FIRESWI 055LW
WA CL# FIRESWI 140B1

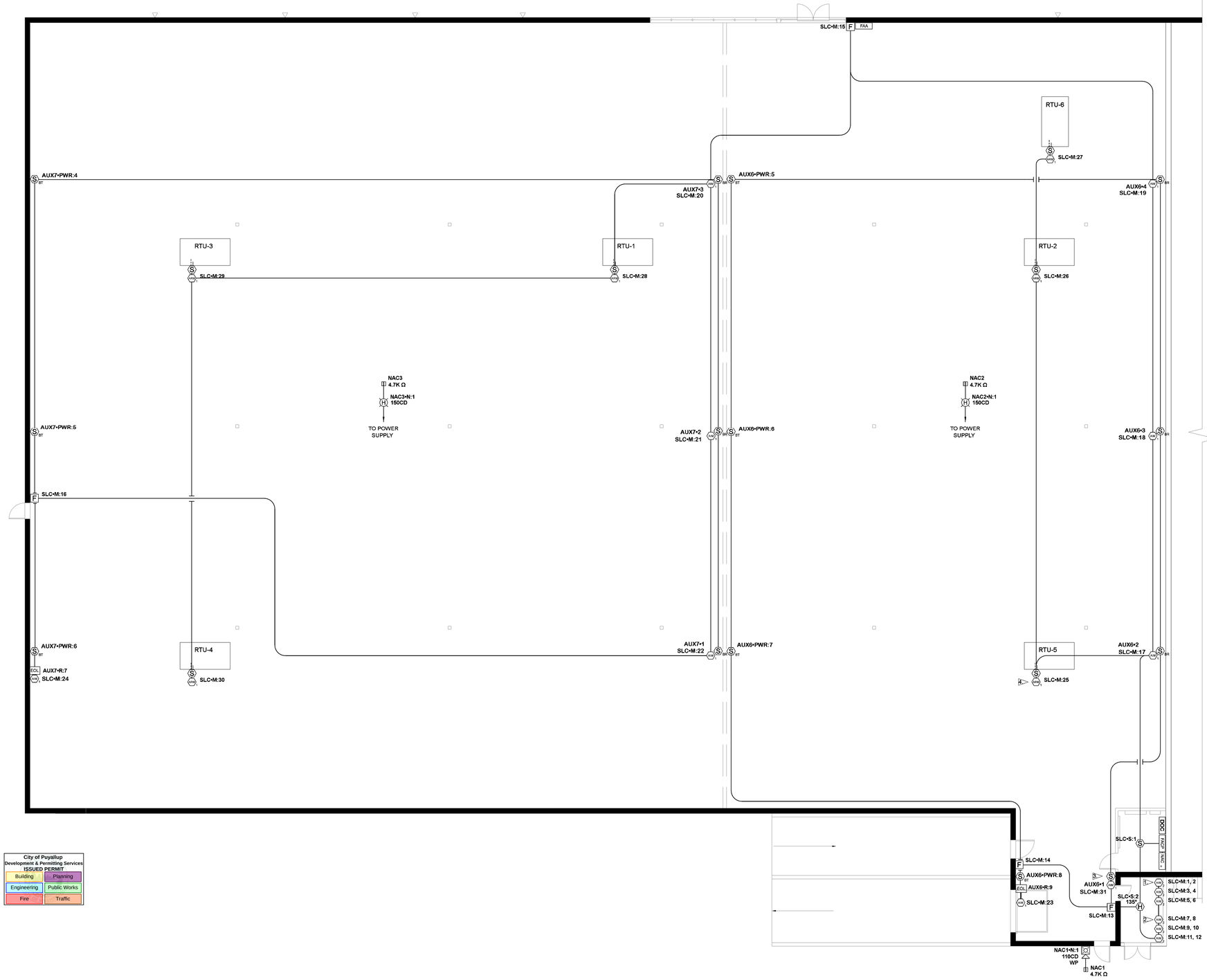
PROJECT: 817-1479
BOOT BARN - FIRE ALARM PLAN
DATE: 09/11/2024
SCALE: 1/8"=1'-0"
SHEET: FA-01

CONTRACT NAME:
Boot Barn
4102 S Meridian
Puyallup, WA 98373

CONTRACT WITH:
Powell RYKA
2625 Northup Way
Bellevue, WA 98004

ON-SITE CONTACT: Chris Meier / 425-828-4774 / cmeier@powellryka.com

-- FILE:Boot Barn E1.cad DATE:09/16/24 TIME:10:49:21 --



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES / SCOPE OF WORK

1. SYSTEM WIRING NOTED ON THE DRAWINGS IS PER MANUFACTURE AND CODE REQUIREMENTS. ANY ALTERATION TO SYSTEM WIRING, WITHOUT APPROVAL, IS AT ELECTRICAL CONTRACTOR'S OWN RISK!!

2. SYSTEM WIRING SHOWN ON DRAWINGS IS DIAGRAMMATIC AND ONLY USED FOR REFERENCE PURPOSES. ACTUAL WIRE AND DEVICE INSTALLATION MAY VARY DUE TO OBSTRUCTIONS.

3. WIRE SHOWN IN THIS DRAWING SET IS PERMITTED IN RACEWAYS LEADING TO FIRE PROTECTION EQUIPMENT. OTHER WIRE SHALL NOT BE PERMITTED IN THE SAME RACEWAY.

4. FIRE ALARM SYSTEM INSTALLATION SHALL CONFORM WITH THE LATEST U.L., N.E.C., N.F.P.A., W.A.C., AND OTHER STANDARDS AS APPLICABLE TO THE CITY STANDARDS.

5. WHEN NECESSARY, DUE TO CHANGING DESIGN REQUIREMENTS, FACTORY AVAILABILITY, ETC. FIRE SYSTEMS WEST RESERVES THE RIGHT TO SUBSTITUTE EQUIPMENT HEREIN MENTIONED OR SPECIFIED, WITH EQUIPMENT OF EQUAL OR BETTER QUALITY, FUNCTION AND DESIGN.

6. PARALLEL BRANCHING (T-TAPPING) OF WIRE TO ALL NOTIFICATION APPLIANCE CIRCUITS SHALL NOT BE PERMITTED.

7. FIRE SYSTEMS WEST WILL INSTALL A NEW FIRE ALARM CONTROL PANEL, COMMUNICATOR, AND POWER SUPPLY.

8. FIRE SYSTEMS WEST WILL INSTALL A NEW REMOTE FIRE ALARM ANNUNCIATOR.

9. FIRE SYSTEMS WEST WILL INSTALL NEW BEAM SMOKE DETECTORS.

10. FIRE SYSTEMS WEST WILL INSTALL NEW MANUAL PULL STATIONS AT EACH EXTERIOR EXIT.

11. FIRE SYSTEMS WEST WILL INSTALL NEW INPUT MODULES TO MONITOR THE SPRINKLER RISER SYSTEM AND THE FIRE PUMP.

12. FIRE SYSTEMS WEST WILL INSTALL NEW INPUT MODULES TO MONITOR THE DUCT SMOKE DETECTORS.

13. FIRE SYSTEMS WEST WILL INSTALL NEW RELAY MODULES FOR HVAC SHUTDOWN.

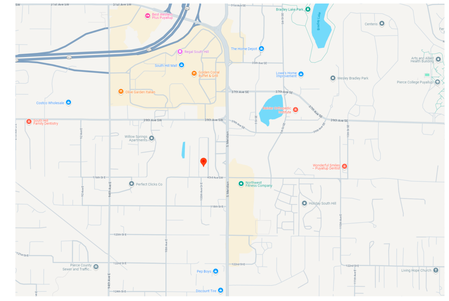
14. FIRE SYSTEMS WEST WILL INSTALL A NEW INTERIOR NOTIFICATION DEVICE IN EACH SHELL SPACE.

FLAG NOTES

1. INSTALL NEW ADDRESSABLE INPUT MODULES TO MONITOR SPRINKLER RISER WATERFLOWS, TAMPERS, AND ANY PIV'S AND VAULT TAMPERS. COORDINATE WITH THE SPRINKLER CONTRACTOR.

2. INSTALL NEW ADDRESSABLE INPUT MODULES TO MONITOR THE FIRE PUMP ENGINE AND TAMPERS.

3. USE AUXILIARY POWER CIRCUIT FROM THE POWER SUPPLY TO POWER BEAM SMOKE DETECTORS. MONITOR EACH BEAM SMOKE DETECTOR WITH AN ADDRESSABLE INPUT MODULE. TIE EACH BEAM SMOKE DETECTOR INTO A REMOTE TEST SWITCH.



VICINITY MAP

NOT TO SCALE

PROJECT: 817-1479	BOOT BARN - FIRE ALARM PLAN
DATE: 09/11/2024	CONTRACT NAME: Boot Barn, 4102 S Meridian, Puyallup, WA 98373
SCALE: 1/8"=1'-0"	CONTRACT WITH: Powell RYKA, 2625 Northup Way, Bellevue, WA 98004
SHEET: FA-02	ON-SITE CONTACT: Chris Meier / 425-828-4774 / cmeier@powellryka.com

-- FILE:Boot Barn E1.cad DATE:09/16/24 TIME:10:52:05 --

A	14/2 FPLP
B	16/2 FPLP
EX	EXISTING LOCATION
D	DEMO DEVICE
N	NEW DEVICE
R	RELOCATE

- STROBE COVERAGE AREA SHALL BE DEFINED AS -

10 FT. CLG. HT.	20 FT. CLG. HT.	30 FT. CLG. HT.
15 cd = 20'x20'	30 cd = 20'x20'	75 cd = 20'x20'
30 cd = 30'x30'	75 cd = 30'x30'	95 cd = 30'x30'
75 cd = 40'x40'	95 cd = 40'x40'	110 cd = 40'x40'
95 cd = 50'x50'	110 cd = 50'x50'	115 cd = 50'x50'

CODE COMPLIANCE

OCCUPANT TYPE:	M	CITY OF PUYALLUP MUNICIPAL CODE
OCCUPANT LOAD:	194	2021 INTERNATIONAL BUILDING CODE
AREA:	13,171 SF	2021 INTERNATIONAL FIRE CODE
CONSTRUCTION:		2023 NATIONAL ELECTRICAL CODE
SPRINKLERED:	YES	2022 NATIONAL FIRE ALARM & SIGNALING CODE

DESIGNER

CAMRYN OLIVAREZ
NICET FAS-II, #153071

FIRE SYSTEMS WEST, INC
206 FRONTAGE ROAD NORTH #C
PACIFIC, WASHINGTON 98047

X

REVISIONS

NO.	DESCRIPTION	DATE	BY	CHK
1	ISSUED_FOR_REVIEW	09/11/2024	CO	MWC

Fire Systems West, Inc.

206 Frontage Rd. North #C
Pacific, WA 98047

f:(253) 735-0113
t:(253) 833-1248

WA ECL# FIRESWI 055LW
WA CL# FIRESWI 140B1