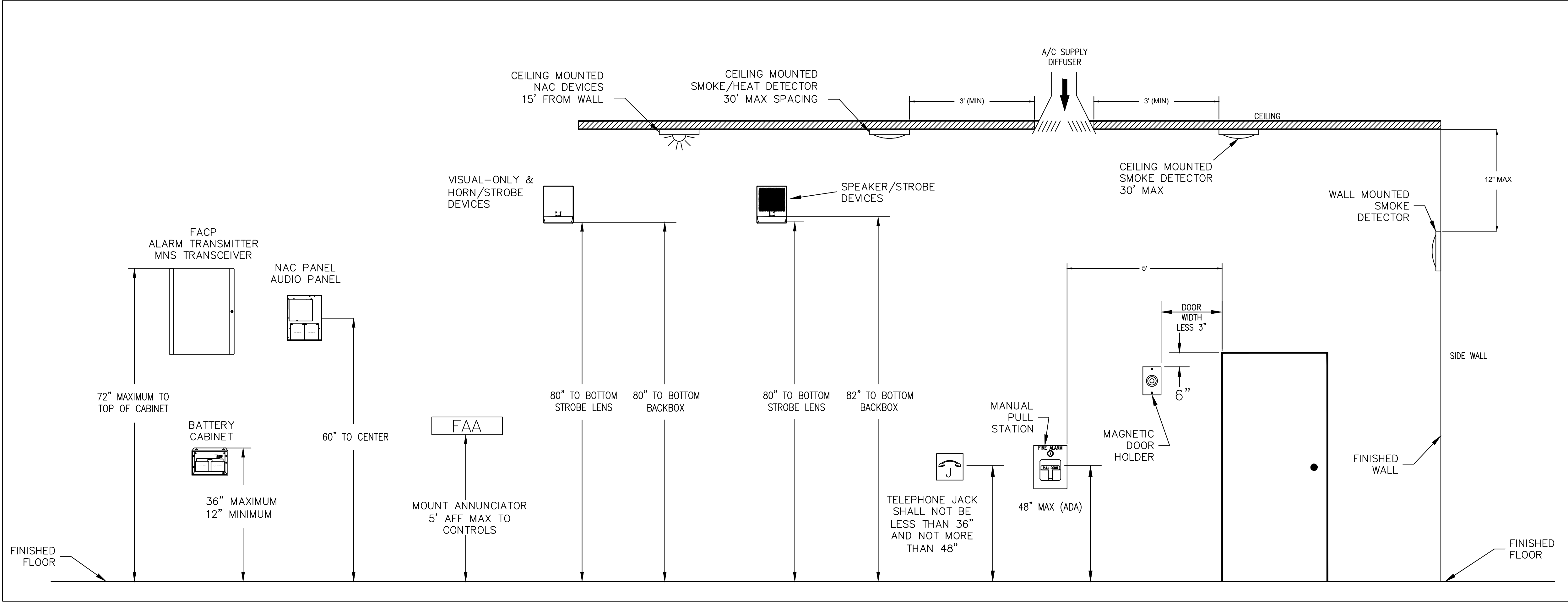


WA STATE FAIR INTERNATIONAL VILLAGE

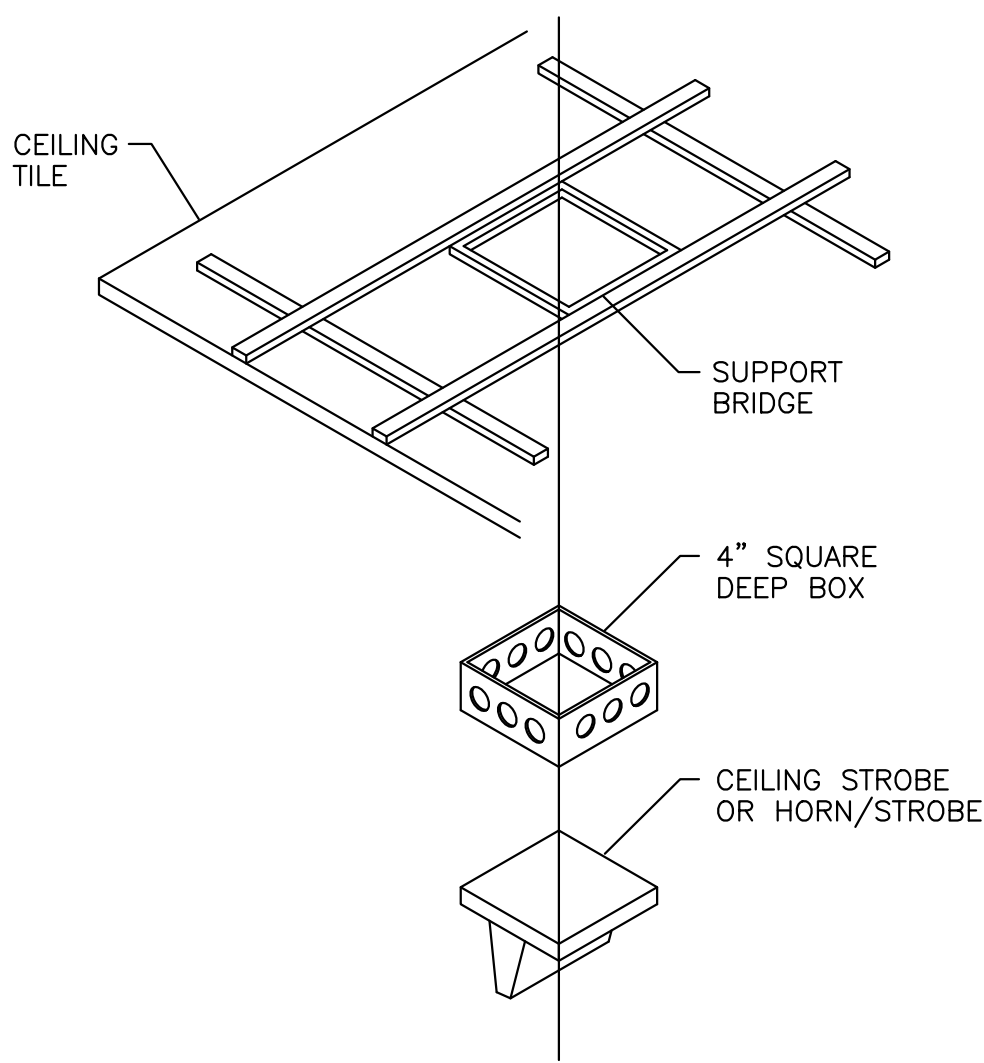
FIRE ALARM SYSTEM

110 9TH AVENUE SW, PUYALLUP, WA 98371

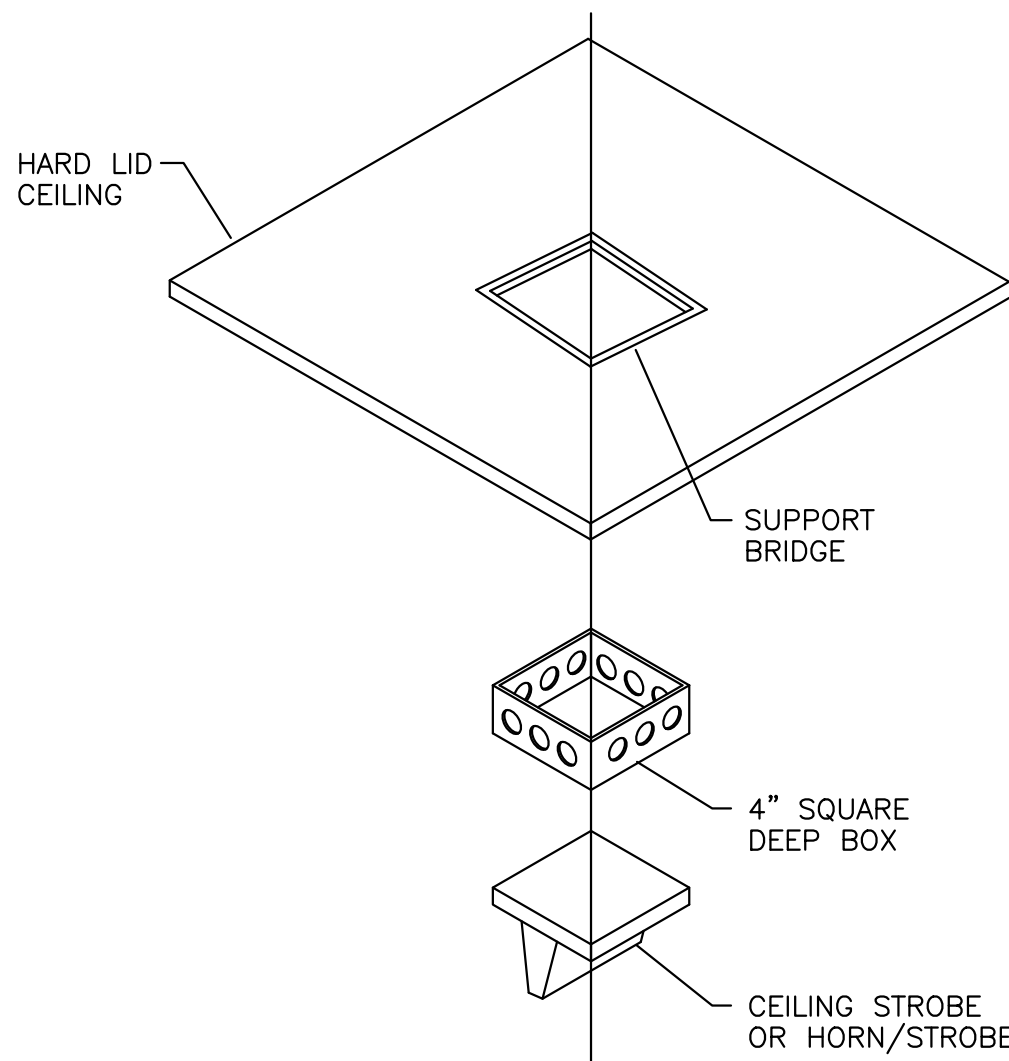
SHEET INDEX		MONITORING COMPANY		SYMBOLS LEGEND						
SHEET #	SHEET TITLE	(NWAMS) Northwest Alarm Monitoring Services 1743 1ST AVE. S., SEATTLE, WA 98134 1-(800) 826-9503		QUANTITY	SYMBOL	DESCRIPTION	MODEL	MANUFACTURER	BACKBOX	MOUNTING HEIGHT
FA-01	SYSTEM INFORMATION	GENERAL NOTES FOR SILENT KNIGHT SYSTEM: DO NOT INSTALL ADDRESSABLE INITIATING DEVICES UNTIL PREPROGRAMMED WITH DEVICES ADDRESS. 1. NUMBERS ADJACENT TO DEVICE SYMBOL DENOTE DEVICE CIRCUIT/ADDRESS DEVICE 01-1-02 WOULD BE THE SECOND DEVICE ON ADDRESSABLE LOOP 1. 2. DETECTOR AND AUDIBLE CIRCUIT POLARITY SHALL BE OBSERVED. 3. AUDIBLE/VISUAL CIRCUIT WIRING IS SUPERVISED. NO PARALLEL BRANCHING IS PERMISSIBLE. 4. INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRIC CODE, NFPA 72, LOCAL CODE(S), AND/OR AUTHORITY HAVING JURISDICTION. 5. INSTALLATION MATERIALS (I.E. CONDUIT, WIRE, FITTINGS, HANGERS, STANDARD BOXES, FIBER OPTICS CABLE, FITTINGS, AND ASSOCIATED EQUIPMENT) ARE NOT SUPPLIED BY SIEMENS CERBERUS DIVISION. 6. DETECTORS SHALL NOT BE MOUNTED IN DIRECT AIR STREAM OF AIR SUPPLY OUTLETS. PER NFPA 72, 2-3.5.1 7. WIRING SHALL BE PER PLAN WITH RESPECT TO CONDUCTOR SIZE & OR CABLE TRAY,TYPE, QUANTITY AND COLOR CODE. CONDUCTORS SHALL BE PERMANENTLY AND UNIQUELY MARKED FOR FUTURE IDENTIFICATION. 8. INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR "AS BUILT" PURPOSES. 9. FOR ADDITIONAL INSTALLATION INSTRUCTIONS, REFER TO CATALOG CUT SHEETS AND/OR INSTALLATION INSTRUCTIONS. 10. THE 120vac POWER ELECTRICAL WORK SUPPLYING FIRE ALARM SYSTEM PANELS MUST COMPLY WITH ARTICLE 725 AND 760 OF NFPA 70, N.E.C. AND NFPA 72, SPECIFICALLY SECTION 1-5.2.5.2: IN REFERENCE TO DEDICATED BRANCH POWER SOURCES. 120vac PWER SHALL NOT BE APPLIED TO FIRE ALARM PANEL WITHOUT DIRECT SUPERVISION OF FIRE ALARM TECHNICIAN. 11. ALL PANEL NUMBERS AND CIRCUITS WILL BE ON THE RECORD DRAWINGS SET. 12. ALL 120VAC CIRCUITS ARE FROM DEDICATED CIRCUITS FROM THE EMERGENCY GENERATOR. 13. PER NFPA 72, SECTION 5-3.6.1.3 DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEAN-UP OF ALL TRADES IS COMPLETE AND FINAL. EXCEPTION: WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR PROTECTION DURING CONSTRUCTION. DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO FINAL CLEAN-UP BY ALL TRADES SHALL BE CLEANED OR REPLACED IN ACCORDANCE WITH NFPA 72, CHAPTER 7. 14. WIRING SHALL RUN CONTINUOUS FROM FACP TO FIRST DEVICE ON A CIRCUIT AND THEN FROM DEVICE TO DEVICE WITHOUT SPlicing IN PULL BOXES OR OTHER BACK BOXES OF DIFFERENT CIRCUITS. 15. ALL WIRING SHALL BE METERED, VERIFIED TO BE CONTINUOUS, FREE OF GROUND AND FREE OF SHORTS BETWEEN CONDUCTORS AND OTHER CIRCUITS PRIOR TO FINAL EQUIPMENT TRIM. 16. ALL CABLES SHALL BE MARKED AS INDICATED ON FIRE ALARM RISER WITH A PERMANENT LABEL AT ALL DEVICES, JUNCTION BOXES AND FACP. 17. THE ELECTRICAL CONTRACTOR SHALL CLEAN ALL DIRT AND DEBRIS FROM THE OUTSIDE AND INSIDE OF THE FIRE ALARM BACK BOXES AND JUNCTION BOXES AFTER COMPLETION OF THEIR INSTALLATION. 18. DETECTORS MUST BE RATED FOR TEMPERATURE IN THE ENVIRONMENT IN WHICH 20. IT IS LOCATED. 19. ALL WIRING BETWEEN FLOORS SHALL BE LOCATED IN CONDUIT. 20. NFPA 72, 6.4.2.2.2 ALL STYLES OF CLASS A CIRCUITS USING 22. PHYSICAL CONDUCTORS (E.G., METALLIC, OPTICAL FIBER) SHALL BE INSTALLED SUCH THAT THE OUTGOING AND RETURN CONDUCTORS, EXITING FROM AND RETURNING TO THE CONTROL UNIT, RESPECTIVELY, ARE ROUTED SEPARATELY. THE OUTGOING AND RETURN (REDUNDANT) CIRCUIT CONDUCTORS SHALL NOT BE RUN IN THE SAME CABLE ASSEMBLY (I.E., MULTI-CONDUCTOR CABLE), ENCLOSURE, OR RACEWAY. 21. NFPA 72, A.6.4.2.2.2 A GOAL OF 6.4.2.2.2 IS TO PROVIDE ADEQUATE SEPARATION BETWEEN THE OUTGOING AND RETURN CABLES. THIS SEPARATION IS REQUIRED TO HELP ENSURE PROTECTION OF THE CABLES FROM PHYSICAL DAMAGE. THE RECOMMENDED MINIMUM SEPARATION TO PREVENT PHYSICAL DAMAGE IS 305 MM (1 FT) WHERE THE CABLE IS INSTALLED VERTICALLY AND 1.22 M (4 FT) WHERE THE CABLE IS INSTALLED 22. LOCKOUT SHALL BE INSTALLED ON THE MAIN POWER DISCONNECT CIRCUIT BREAKER. NFPA 72, 10.6.5.4 23. THE MAIN POWER DISCONNECT CIRCUIT BREAKER SHALL HAVE A RED MARKING. NFPA 72, 10.6.2.3 24. PER IFC 509-1 MOUNT A FIRE ALARM CONTROL PANEL SIGN WITH 2 INCH WHITE LETTERS ON A RED BACKGROUND LOCATED ON THE OUTSIDE OF THE DOOR LEADING TO THE FIRE PANEL LOCATION.		1		FIRE ALARM CONTROL PANEL	SK-6808	SILENT KNIGHT	ENCLOSURE INCLUDED	66" A.F.F. TO TOP
FA-02	TYPICAL WIRING DETAILS & DEVICE MOUNTING HEIGHTS			1		CELLULAR RADIO COMMUNICATOR	TG-7FS	TELGUARD	ENCLOSURE INCLUDED	WALL MOUNTED FIELD VERIFY
FA-03	FACP, COM & NAC1 WIRING DETAILS			1		FIRE ALARM DOCUMENT BOX	SSU00674	S.A.E.	ENCLOSURE INCLUDED	66" A.F.F. TO TOP
FA-04A	FIRE ALARM SYSTEM CALCULATIONS			1		INTELLIGENT POWER SUPPLY	SK-5496	SILENT KNIGHT	ENCLOSURE INCLUDED	66" A.F.F. TO TOP
FA-04B	SEQUENCE OF OPERATIONS MATRIX					SMOKE DETECTOR (ADDRESSABLE-PHOTO)	SK-PHOTO-W (B300-6 BASE)	SILENT KNIGHT	4S DEEP W/ 1G RING	CEILING
FA-05	FIRST FLOOR FIRE ALARM LAYOUT			2		HEAT DETECTOR FIX -135 DEG.	DT-135WP	SIEMENS	4S DEEP W/ 1G RING	CEILING
FA-05A	FIRST FLOOR ABOVE CEILING FIRE ALARM LAYOUT			11		SINGLE INPUT INTERFACE MODULE	SK-MONITOR	SILENT KNIGHT	4S DEEP BOX	VERIFY IN FIELD
FA-06	SECOND FLOOR FIRE ALARM LAYOUT			11		DUAL INPUT W/ RELAY INTERFACE MODULE	SK-RELAYMON-2	SILENT KNIGHT	4S DEEP BOX	VERIFY IN FIELD
FA-06A	SECOND FLOOR ABOVE CEILING FIRE ALARM LAYOUT	2		DUAL INPUT INTERFACE MODULE	SK-MONITOR-2	SILENT KNIGHT	4S DEEP BOX	VERIFY IN FIELD		
FA-07	RISER DIAGRAM	1		MULTI-VOLTAGE CONTROL RELAY	MR101-CR	AIR PRODUCTS	N/A	VERIFY IN FIELD		
SCOPE OF WORK		10		MANUAL PULL STATION (ADDRESSBLE)	SK-PULL-SA	SILENT KNIGHT	4S DEEP W/ 1G RING	48" A.F.F. TO CENTER		
TYPE OF WORK: BUILDING FIRE ALARM SYSTEM NEW FIRE ALARM SYSTEM		6		FIRE ALARM HORN STROBE	P2WLED	SYSTEM SENSOR	4S DEEP W/ 1G RING	80" A.F.F. TO BOTTOM OR U.O.S.		
CODE ANALYSIS		12		FIRE ALARM HORN/STROBE (WEATHERPROOF)	P2GRKLED	SYSTEM SENSOR	WPBBS-R	80" A.F.F. TO BOTTOM OR U.O.S.		
OCCUPANCY TYPE: 'A-2" ASSEMBLY TYPE OF CONSTRUCTION: II-B BUILDING IS FULLY SPRINKLERED NUMBER OF STORIES: 2 + ROOF TOP Total Coverage and Third Party System Certification (UL or other approved)		1		FIRE ALARM HORN/STROBE (WEATHERPROOF)	PC2RKLED	SYSTEM SENSOR	WPBBS-R	CEILING		
		16		FIRE ALARM STROBE	PC2WLED	SYSTEM SENSOR	4S DEEP W/ 1G RING	CEILING		
		3		FIRE ALARM STROBE	SWLED	SYSTEM SENSOR	4S DEEP W/ 1G RING	CEILING		
		---		END-OF-LINE RESISTOR	-	-	-	-		
WIRE DESIGNATIONS & MISCELLANEOUS ABBREVIATIONS		VICINITY MAP								
NOTE: WILL UTILIZE EXISTING FIRE ALARM WIRES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.										
		VICINITY MAP SCALE: NTS								
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		City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic								
		City of Puyallup Fire REVIEWED FOR COMPLIANCE DDrake 06/23/2025 1:46:50 PM CITY OF PUYALLUP STATE OF WASHINGTON								
		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.								
		TAHARKA MUHAMMAD NICET LEVEL IV CERT. 138245 EXP. 01/07/2026								
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		City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic								
		City of Puyallup Fire REVIEWED FOR COMPLIANCE DDrake 06/23/2025 1:46:5								



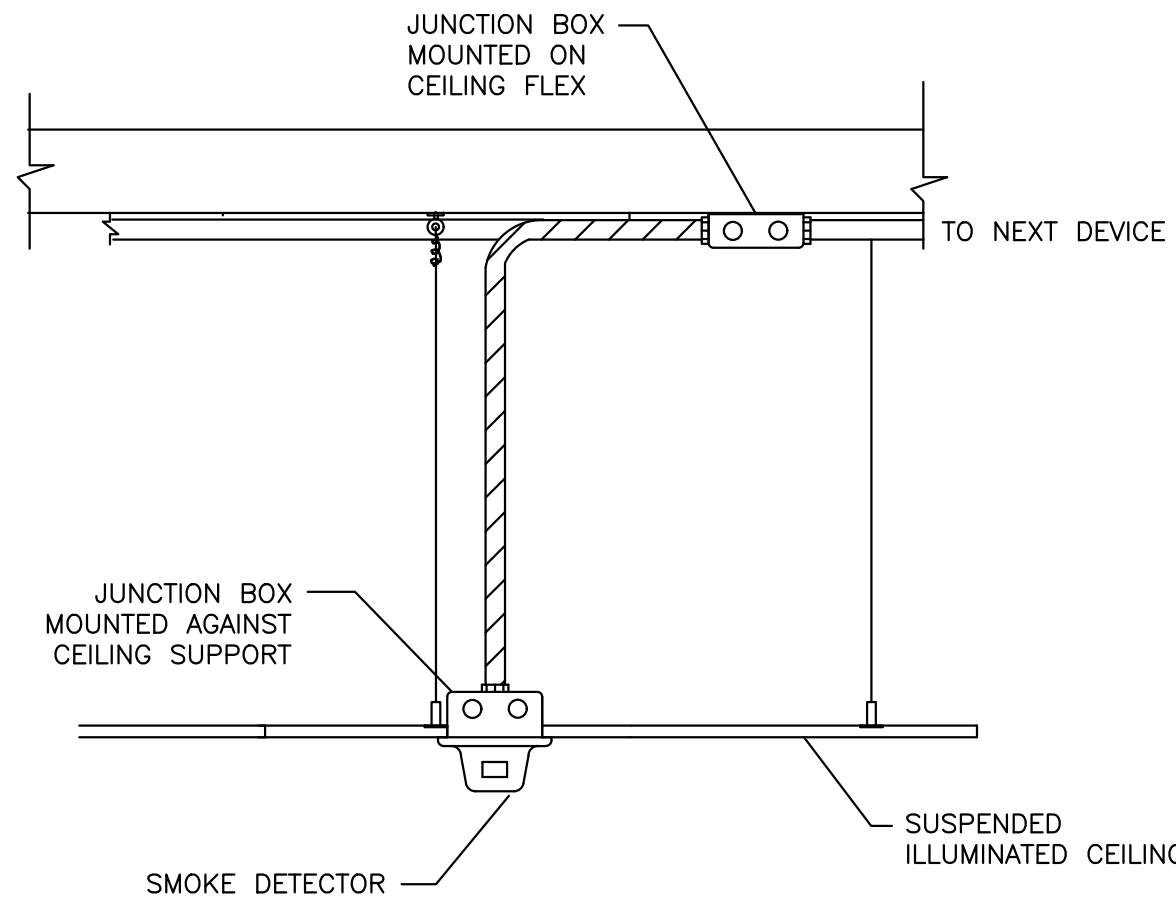
TYPICAL DEVICE MOUNTING HEIGHTS



HORN/SSTROBE MOUNTING (DROP CEILING)

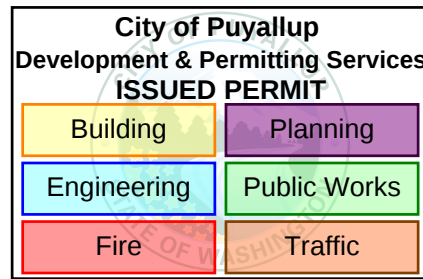


HORN/SSTROBE MOUNTING (HARD LID)



SMOKE DETECTOR MOUNTING DETAIL

TYPICAL MOUNTING DETAILS



TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

SCALE: AS NOTED
DESIGNED BY:
M. WADE
DRAWN/DESIGNED BY:
S. BURNAM
CHECKED BY:
T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

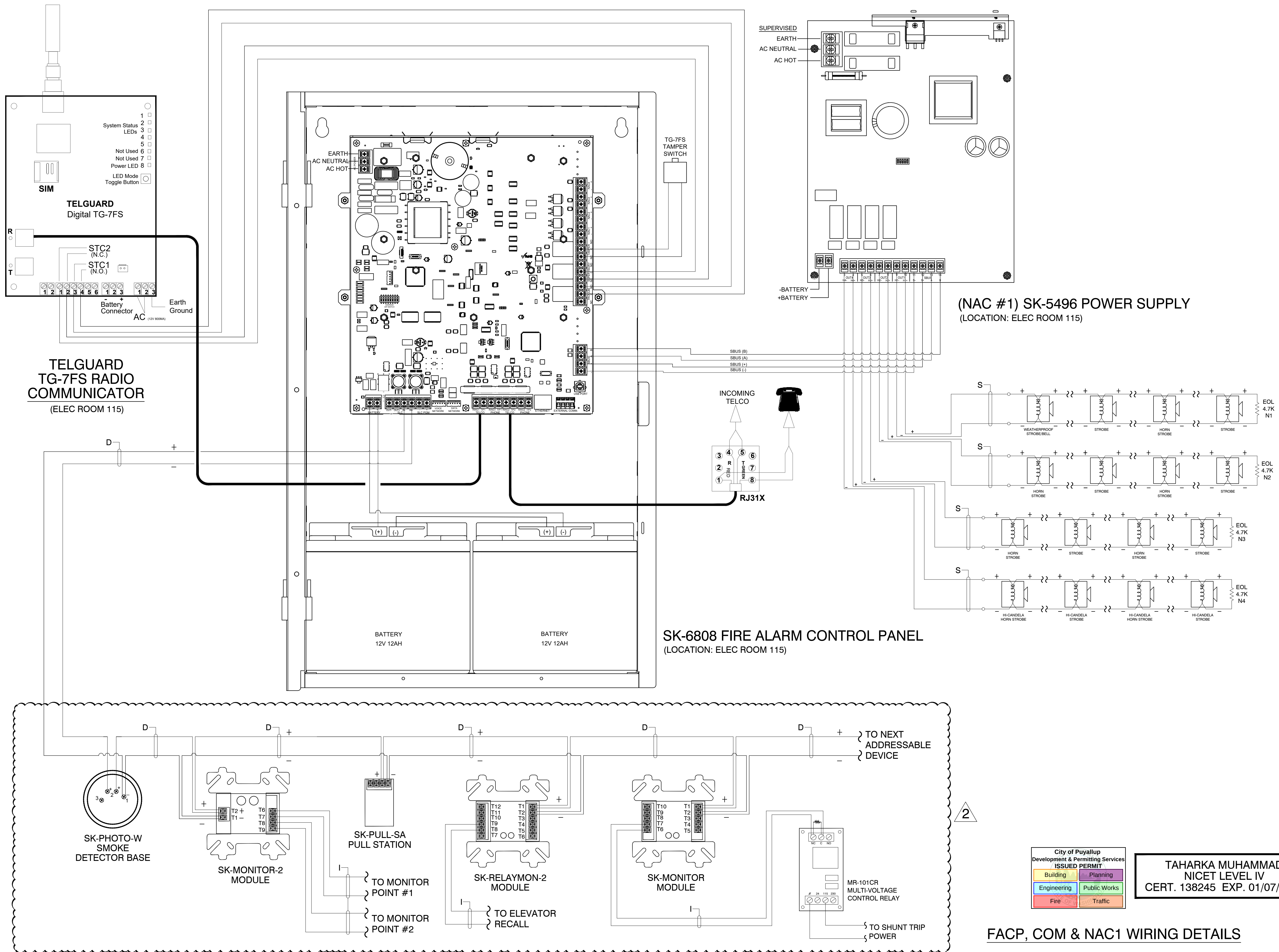
SHEET
FA-02

WA STATE FAIR INTERNATIONAL VILLAGE

FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

TYPICAL MOUNTING DETAILS & DEVICE MOUNTING HEIGHTS

REV. BY:	SYB	TAM	DNG	RELEASE/REVISIONS	
				DATE	DESCRIPTION
Δ	Δ	Δ	Δ	03/26/25	SHOP DRAWINGS
Δ	Δ	Δ	Δ	05/08/25	REVISED PER EC COMMENTS
Δ	Δ	Δ	Δ	06/06/25	FM CORRECTIONS



RELEASE/REVISIONS		REV. BY:	SYB	TAM	DWG
NO	DATE	DESCRIPTION	SHOP DRAWINGS	REVISED PER EC COMMENTS	FM CORRECTIONS
1	03/26/25				
2	05/08/25				
3	06/06/25				

WA STATE FAIR INTERNATIONAL VILLAGE
FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

FACP, COM & NAC1 WIRING DETAILS

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

TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

SCALE: AS NOTED
DESIGNED BY: M. WADE
DRAWN/DESIGNED BY: S. BURNAM
CHECKED BY: T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

FACP, COM & NAC1 WIRING DETAILS

SK-6808 FIRE ALARM CONTROL PANEL
(LOCATION: ELECTRICAL ROOM 115-FIRST FLOOR)

IntelliKnight 6808 Battery Calculation

Secondary Power Source Requirements

1. Control Panel											
6808 Control Panel	1	x	0.190000	=	0.190000	1	x	0.250000	=	0.250000	
2. Addressable SLC Devices											
SK-PHOTO-W	59	x	0.000200	=	0.011800	59	x	0.000450	=	0.026550	
SK-MONITOR	11	x	0.000375	=	0.004125	11	x	0.000375	=	0.004125	
SK-PULL-SA	10	x	0.000375	=	0.003750	10	x	0.000375	=	0.003750	
SK-MONITOR-2	2	x	0.000750	=	0.001500	2	x	0.000750	=	0.001500	
SK-RELAYMON-2	11	x	0.001300	=	0.014300	11	x	0.024000	=	0.264000	
8. Notification Appliance Circuits											
NAC 1			0.000000	=				0.280000	=	0.280000	
Total Standby Load					0.225475	Total Alarm Load					1.109925

IntelliKnight 6808 Battery Calculation

Note 1: You are fully responsible for verifying these calculations.
Note 2: Use the dropdowns in the yellow cells to enter values.

Calculation in Total Sheet											
24 Hours											
Standby Load Current	0.22548 Amps				x	24	=	5.411 AH			
5 Minutes											
Alarm Load Current (Amps)	1.10993 Amps				x	0.084	=	0.093 AH			
Total Current Load 5.505 AH											
Multiply by the Derating Factor 1.2 = x 1.20											
Total Ampere Hours Required 6.61 AH											
Recommended Batteries:				BAT-1270 - 8AH Batteries							
*** (12V 8AH BATTERIES PROVIDED) ***											

IntelliKnight 6808 Circuit Detail

NAC 1											
WP WALL Horn/Strobe LED(75cd)	1	x	0.000000	=	0.000000	1	x	0.087000	=	0.087000	
P2/PC2 Horn/Strobe LED(15cd)	2	x	0.000000	=	0.000000	2	x	0.035000	=	0.070000	
SW Strobe LED(15cd)	2	x	0.000000	=	0.000000	2	x	0.018000	=	0.036000	
WP CEILING Horn/Strobe LED(75cd)	1	x	0.000000	=	0.000000	1	x	0.087000	=	0.087000	
Total Standby Load					0.000000	Total Alarm Load					0.280000

2

FIRE ALARM SYSTEM CALCULATIONS

SK-5496 NAC#1 REMOTE BOOSTER POWER SUPPLY
(LOCATION: ELECTRICAL ROOM 115-FIRST FLOOR)

5496 Power Expander Calculations

Version 02.24.09

Global Project Values:

Project Name: WA State Fair Int Village Standby Hours: 24
Project ID: 79018-1 Alarm Mins: 5
Prepared By: GUARDIAN SECURITY Derating Factor: 1.2
Date: 3/21/2025 Voltage Drop Warning Threshold %: 20

Panel ID: NAC1 Model: 5496 Power Expander Max NAC Current: 3.0 Amps
Location: ELEC RM 115, 1ST FL Volts: 24 VDC Max Panel Current: 6.0 Amps

Part.#	Description	Qty	Current Draw Standby	Current Draw Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop	
5496	5496 Pwr Module	1	0.040	0.160							
NAC #1	Notification Appl Circuit	cfg.	0.000	0.599	#14 Solid	2.52	400	2.02	19.19	5.92%	
NAC #2	Notification Appl Circuit	cfg.	0.000	0.556	#14 Solid	2.52	550	2.77	18.86	7.56%	
NAC #3	Notification Appl Circuit	cfg.	0.000	0.560	#14 Solid	2.52	700	3.53	18.42	9.68%	
NAC #4	Notification Appl Circuit	cfg.	0.000	0.250	#14 Solid	2.52	800	4.03	19.39	4.94%	
Total Standby Current (Amps)			0.040	2.125	Total Alarm Current (Amps)						
Standby Time In Hours			24	0.083	Alarm Time In Minutes / 60			(5 Mins)			
Total Standby AH Required			0.960	0.177	Total Alarm AH Required						
Total Combined AH Required			1.14								
Multiply By The Derating Factor			1.20								
Minimum Battery AmpHours Required			1.36								

Configure Circuits

Print Page

*** (12V 8AH BATTERIES PROVIDED) ***

Circuit Configuration

Print Circuits Detail

Project Information

Project Name: WA State Fair Int Village Project ID: 79018-1
Prepared By: GUARDIAN SECURITY Date: 3/21/2025

Ckt. Number: NAC #1 Panel ID: NAC1
Ckt. Name: Notification Appl Circuit Use: Notification Appl Circuit

Qty	Device	Current Draw Each Standby	Current Draw Each Alarm	Current Draw Total Standby	Current Draw Total Alarm
1	System Sensor SW Strobe LED(15cd)	0.000	0.018	0.000	0.018
2	System Sensor P2/PC2 Horn/Strobe LED(15cd)	0.000	0.035	0.000	0.070
2	System Sensor P2/PC2 Horn/Strobe LED(30cd)	0.000	0.038	0.000	0.076
3	System Sensor P2/PC2 Horn/Strobe LED(75cd)	0.000	0.087	0.000	0.261
2	System Sensor WP P2 Horn/Strobe LED(75cd)	0.000	0.087	0.000	0.174
Totals		0.000	0.599		

< Return To Main

Edit Device Database

Ckt. Number: NAC #2 Panel ID: NAC1
Ckt. Name: Notification Appl Circuit Use: Notification Appl Circuit

Qty	Device	Current Draw Each Standby	Current Draw Each Alarm	Current Draw Total Standby	Current Draw Total Alarm
3	System Sensor P2/PC2 Horn/Strobe LED(15cd)	0.000	0.035	0.000	0.105
5	System Sensor P2/PC2 Horn/Strobe LED(30cd)	0.000	0.038	0.000	0.190
3	System Sensor WP P2 Horn/Strobe LED(75cd)	0.000	0.087	0.000	0.261
	Unused	0.000	0.000	0.000	0.000
Totals		0.000	0.556		

< Return To Main

Edit Device Database

Ckt. Number: NAC #3 Panel ID: NAC1
Ckt. Name: Notification Appl Circuit Use: Notification Appl Circuit

Qty	Device	Current Draw Each Standby	Current Draw Each Alarm	Current Draw Total Standby	Current Draw Total Alarm
1	System Sensor P2/PC2 Horn/Strobe LED(30cd)	0.000	0.038	0.000	0.038
2	System Sensor P2/PC2 Horn/Strobe LED(75cd)	0.000	0.087	0.000	0.174
4	System Sensor WP P2 Horn/Strobe LED(75cd)	0.000	0.087	0.000	0.348
	Unused	0.000	0.000	0.000	0.000
Totals		0.000	0.560		

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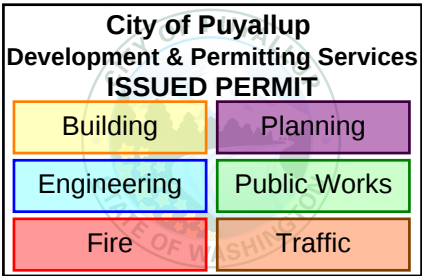
Edit Device Database

Ckt. Number: NAC #4 Panel ID: NAC1
Ckt. Name: Notification Appl Circuit Use: Notification Appl Circuit

Qty	Device	Current Draw Each Standby	Current Draw Each Alarm	Current Draw Total Standby	Current Draw Total Alarm
2	System Sensor P2/PC2 Horn/Strobe LED(30cd)	0.000	0.038	0.000	0.076
2	System Sensor WP P2 Horn/Strobe LED(75cd)	0.000	0.087	0.000	0.174
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
Totals		0.000	0.250		

< Return To Main

Edit Device Database



TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

REV. BY:		SYB		TAM		DNG	
DESCRIPTION		DATE		DATE		DATE	
SHOP DRAWINGS		03/26/25		05/08/25		06/06/25	
REVISED PER EC COMMENTS							
FM CORRECTIONS							

WA STATE FAIR INTERNATIONAL VILLAGE
FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

FIRE ALARM SYSTEM CALCULATIONS

SCALE: AS NOTED
DESIGNED BY:
M. WADE
DRAWN/DESIGNED BY:
S. BURNAM
CHECKED BY:
T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

SHEET
FA-04A

GUARDIAN SECURITY
1743 1ST AVE. SO., SEATTLE, WASHINGTON 98134
TEL: (206) 622-6545 FAX (206) 628-4990

FIRE ALARM SYSTEM MATRIX	SYSTEM OUTPUTS																
	FACP ANNUNCIATION				NOTIFICATION					FIRE SAFETY CONTROL							
	FACP ALARM	FACP TROUBLE	FACP SUPERVISORY		ACTIVATE ALL HORN/STROBES AND STROBES	TRANSMIT FIRE ALARM SIGNAL TO DIALER - CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO DIALER - CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO DIALER - CENTRAL STATION	TRANSMIT WATERFLOW SIGNAL TO DIALER - CENTRAL STATION		(PRIMARY) ELEVATOR RECALL TO 1ST FLOOR ELEVATOR LOBBY ASSOCIATED ELEVATOR	(ALTERNATE) ELEVATOR RECALL TO THE 2ND FLOOR FOR THE ASSOCIATED ELEVATOR	ACTIVATE (FIRE HAT) FOR ASSOCIATED ELEVATOR	SHUNT TRIP ELEVATOR POWER	UNLOCK SECURITY DOORS	TELGUARD TG-7FS WIRELESS COMMUNICATOR CONTACT I.D. POINT REPORTING	DISPLAY/PRINT CHANGE OF STATUS
SYSTEM INPUTS																	
MANUAL PULL STATIONS	X				X	X									X	X	X
AREA SMOKE / HEAT COMBO DETECTORS	X				X	X									X	X	X
AREA HEAT DETECTORS	X				X	X									X	X	X
ABOVE CEILING SMOKE DETECTORS	X				X	X									X	X	X
ANSUL FIRE SUPPRESSION SYSTEM	X				X	X									X	X	X
SMOKE DETECTOR ELEVATOR LOBBY, 1ST FLOOR	X				X	X						X			X	X	X
SMOKE DETECTOR ELEVATOR LOBBY, 2ND FLOOR	X				X	X					X				X	X	X
SMOKE DETECTOR IN ELEVATOR MACHINE ROOM	X				X	X						X	X		X	X	X
HEAT DETECTOR IN ELEVATOR MACHINE ROOM	X				X	X								X	X	X	X
WATERFLOW SWITCH	X				X	X			X						X	X	X
VALVE TAMPER SWITCH			X					X								X	X
COMMUNICATION FAULT		X					X									X	X
GENERAL TROUBLE, OPEN CIRCUIT, GROUND FAULT, WIRE TO WIRE SHORT		X					X									X	X

SEQUENCE OF OPERATIONS MATRIX

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

Engineering

Fire

Planning

Public Works

Traffic

TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

SCALE: AS NOTED
DESIGNED BY:
M. WADE
DRAWN/DESIGNED BY:
S. BURNAM
CHECKED BY:
T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

SHEET
FA-04B

WA STATE FAIR INTERNATIONAL VILLAGE

FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

SEQUENCE OF OPERATIONS MATRIX

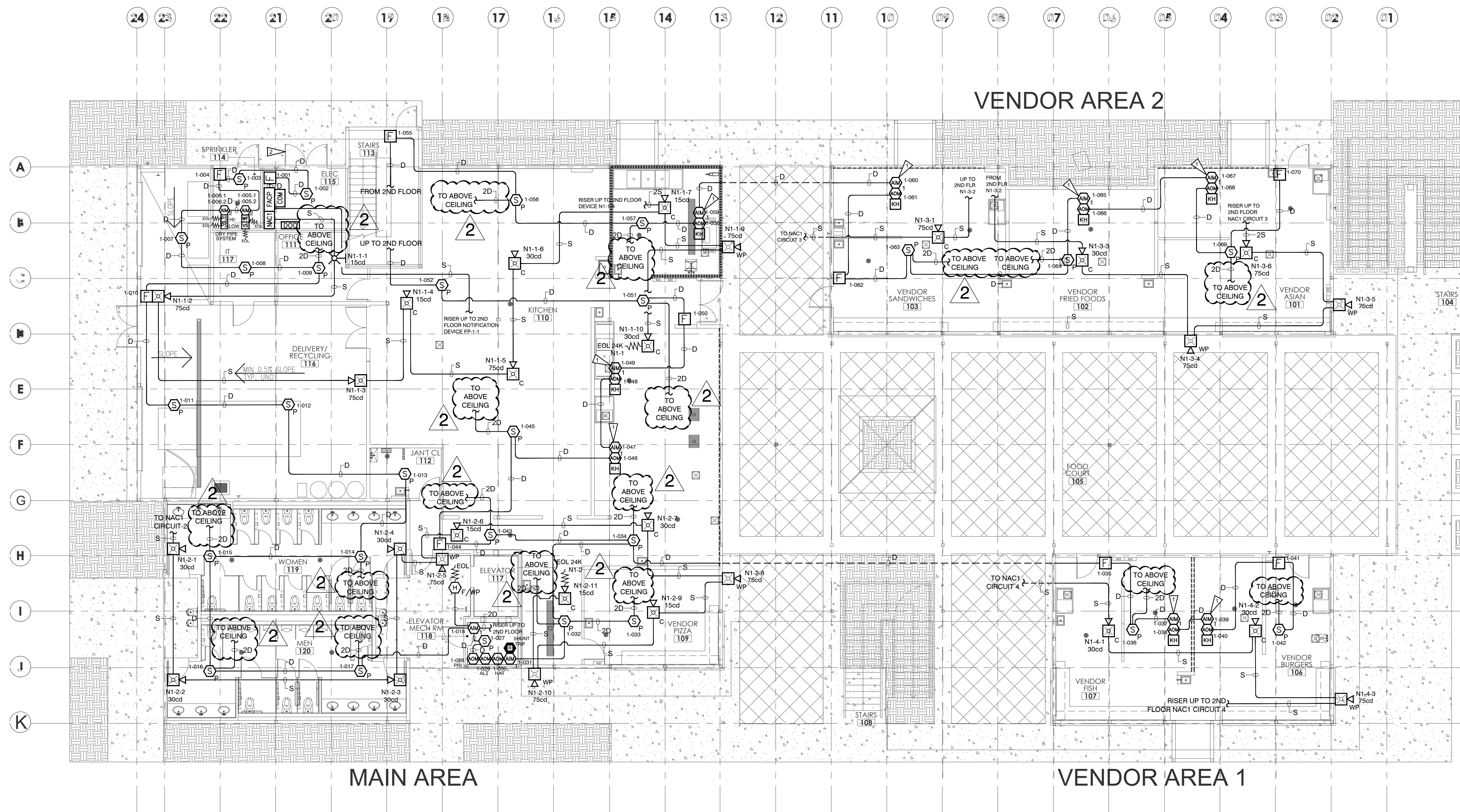
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			DESCRIPTION		SYB	TAM	DWG	
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2	Δ	05/08/25	REVISED PER EC COMMENTS					
3	Δ	06/06/25	FM CORRECTIONS					
4	Δ							
5	Δ							

NOTES:

1. CEILING HEIGHT = 10' OR LESS, UNLESS OTHERWISE NOTED.
2. CEILING TYPE = MIX
3. SURGE PROTECTOR SUPPLIED BY OTHERS. FOR CIRCUITS BETWEEN BUILDINGS OR EXTERIOR SPACES.

FLAG NOTES:

1. FIELD LOCATE SINGLE INPUT MODULE & RELAY MODULE FOR KITCHEN HOOD. FIELD VERIFY ANSUL SYSTEM (F.B.O.).
2. PER IFC 509-1 MOUNT A FIRE ALARM CONTROL PANEL SIGN WITH 2 INCH WHITE LETTERS ON A RED BACKGROUND LOCATED ON THE OUTSIDE OF THE DOOR LEADING TO THE FIRE PANEL LOCATION.
3. CEILING MOUNT OR WALL MOUNT CONVENTIONAL HEAT DETECTOR. FIELD VERIFY LOCATION.
4. SMOKE DETECTOR INSTALLED ABOVE CEILING.



FIRST FLOOR FIRE ALARM LAYOUT

0 4' 8' 16'
SCALE: 1/8"=1'-0"

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

TAHARKA MUHAMMAD NICET LEVEL IV CERT. 138245 EXP. 01/07/2026	
--	--

SCALE: AS NOTED
DESIGNED BY: M. WADE
DRAWN/DESIGNED BY: S. BURNAM
CHECKED BY: T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

SHEET FA-05

WA STATE FAIR INTERNATIONAL VILLAGE

FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

FIRST FLOOR FIRE ALARM LAYOUT

NO	DATE	DESCRIPTION	REV. BY:
1	03/26/25	SHOP DRAWINGS	SYB
2	05/08/25	REVISED PER EC COMMENTS	TAM
3	06/06/25	FM CORRECTIONS	DNG

GUARDIAN SECURITY
1743 1ST AVE. SO., SEATTLE, WASHINGTON 98134
TEL: (206) 622-6545 FAX (206) 628-4990

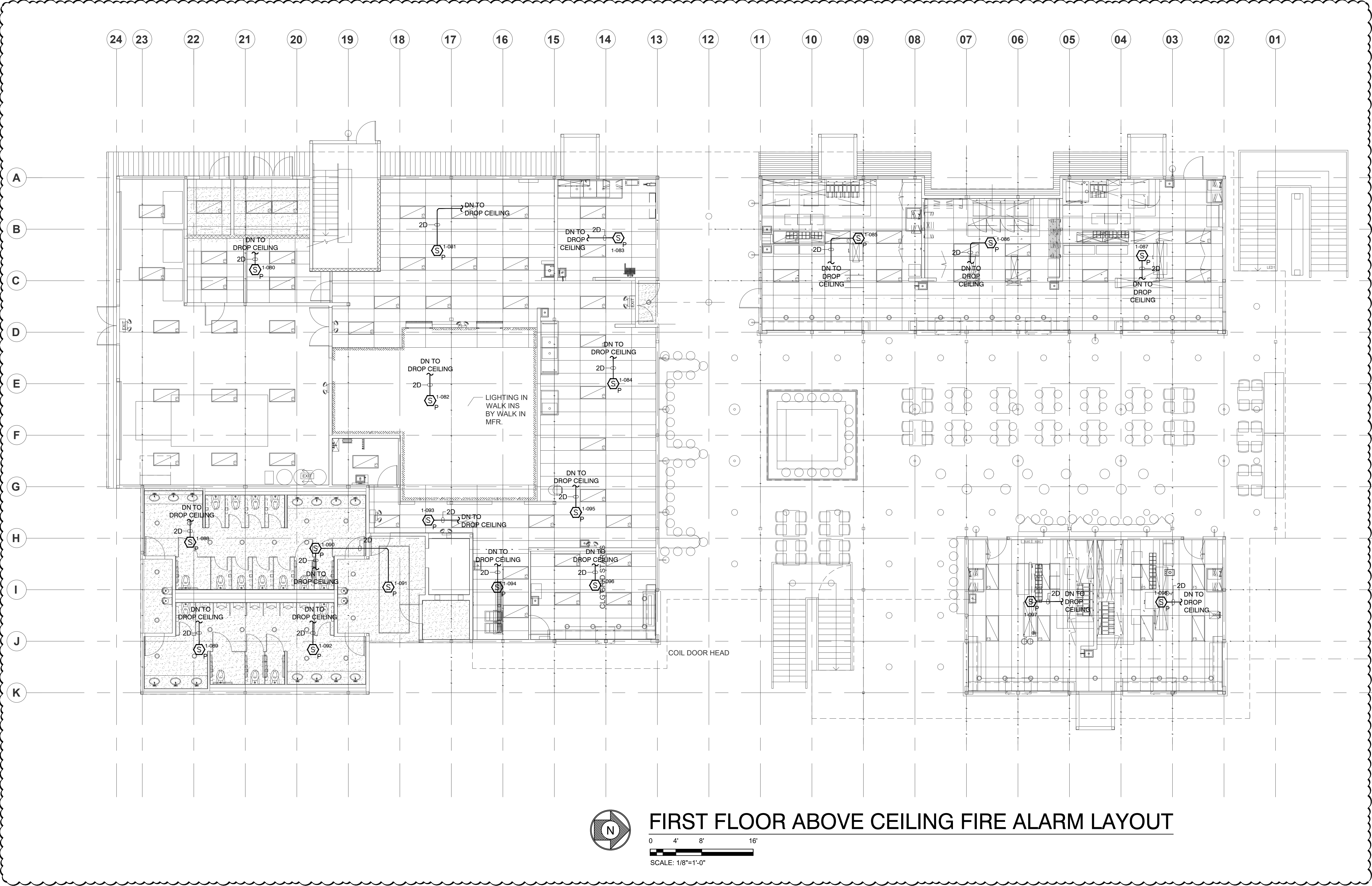
NOTES:

- 1. CEILING HEIGHT = 10' OR LESS, UNLESS OTHERWISE NOTED.
- 2. CEILING TYPE = MIX
- 3. SURGE PROTECTOR SUPPLIED BY OTHERS. FOR CIRCUITS BETWEEN BUILDINGS OR EXTERIOR SPACES.

FLAG NOTES:

- 1. FIELD LOCATE SINGLE INPUT MODULE & RELAY MODULE FOR KITCHEN HOOD. FIELD VERIFY ANSUL SYSTEM (F.B.O.).
- 2. PER IFC 509-1 MOUNT A FIRE ALARM CONTROL PANEL SIGN WITH 2 INCH WHITE LETTERS ON A RED BACKGROUND LOCATED ON THE OUTSIDE OF THE DOOR LEADING TO THE FIRE PANEL LOCATION.
- 3. CEILING MOUNT OR WALL MOUNT CONVENTIONAL HEAT DETECTOR. FIELD VERIFY LOCATION.
- 4. SMOKE DETECTOR INSTALLED ABOVE CEILING.

2



FIRST FLOOR ABOVE CEILING FIRE ALARM LAYOUT

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

WA STATE FAIR INTERNATIONAL VILLAGE

FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

FIRST FLOOR ABOVE CEILING FIRE ALARM LAYOUT

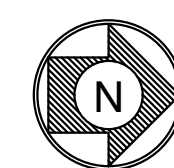
SCALE: AS NOTED
DESIGNED BY:
M. WADE
DRAWN/DESIGNED BY:
S. BURNAM
CHECKED BY:
T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

SHEET
FA-05A

RELEASE/REVISIONS		REV. BY:
NO	DATE	DESCRIPTION
1	03/26/25	SYB SHOP DRAWINGS
2	05/08/25	TAM REVISED PER EC COMMENTS
3	06/06/25	DWG FM CORRECTIONS

1. CEILING HEIGHT = 10' OR LESS, UNLESS OTHERWISE NOTED.
2. CEILING TYPE = MIX
3. SURGE PROTECTOR SUPPLIED BY OTHERS. FOR CIRCUITS BETWEEN BUILDINGS OR EXTERIOR SPACES.

1. FIELD LOCATE SINGLE INPUT MODULE & RELAY MODULE FOR KITCHEN HOOD. FIELD VERIFY ANSUL SYSTEM (F.B.O.).
2. PER IFC 509-1 MOUNT A FIRE ALARM CONTROL PANEL SIGN WITH 2 INCH WHITE LETTERS ON A RED BACKGROUND LOCATED ON THE OUTSIDE OF THE DOOR LEADING TO THE FIRE PANEL LOCATION.
3. CEILING MOUNT OR WALL MOUNT CONVENTIONAL HEAT DETECTOR. FIELD VERIFY LOCATION.
4. SMOKE DETECTOR INSTALLED ABOVE CEILING.



0 4' 8' 16'



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

TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

SCALE: AS NOTED
DESIGNED BY:
M. WADE
DRAWN/DESIGNED BY:
M. BURNAM
CHECKED BY:
M. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

SHEET
FA-06

FIRE ALARM SYSTEM
1110 9TH AVENUE SW
PUYALLUP, WA 98371

SECOND FLOOR FIRE ALARM LAYOUT

RELEASE REVISIONS			REV. BY:
NO	DATE	DESCRIPTION	
1	03/26/25	SHOP DRAWINGS	SVB
1	05/08/25	REVISED PER EC COMMENTS	TAM
2	06/06/25	FM CORRECTIONS	DMG
1			
1			
1			

GUARDIAN SECURITY
1743 1ST AVE. SO., SEATTLE, WASHINGTON 98134
TEL. (206) 622-6545 FAX (206) 628-4990

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NOTES:

- 1. CEILING HEIGHT = 10' OR LESS, UNLESS OTHERWISE NOTED.
- 2. CEILING TYPE = MIX
- 3. SURGE PROTECTOR SUPPLIED BY OTHERS. FOR CIRCUITS BETWEEN BUILDINGS OR EXTERIOR SPACES.

FLAG NOTES:

- 1. FIELD LOCATE SINGLE INPUT MODULE & RELAY MODULE FOR KITCHEN HOOD. FIELD VERIFY ANSUL SYSTEM (F.B.O.).
- 2. PER IFC 509-1 MOUNT A FIRE ALARM CONTROL PANEL SIGN WITH 2 INCH WHITE LETTERS ON A RED BACKGROUND LOCATED ON THE OUTSIDE OF THE DOOR LEADING TO THE FIRE PANEL LOCATION.
- 3. CEILING MOUNT OR WALL MOUNT CONVENTIONAL HEAT DETECTOR. FIELD VERIFY LOCATION.
- 4. SMOKE DETECTOR INSTALLED ABOVE CEILING.

REV. BY:		SYB		TAM		DNG	
DATE		NO		DESCRIPTION		REVISIONS	
03/26/25		1		SHOP DRAWINGS			
05/08/25		2		REVISED PER EC COMMENTS			
06/06/25		3		FM CORRECTIONS			

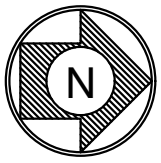
WA STATE FAIR INTERNATIONAL VILLAGE
FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

SECOND FLOOR ABOVE CEILING FIRE ALARM LAYOUT

SCALE: AS NOTED	
DESIGNED BY: M. WADE	
DRAWN/DESIGNED BY: S. BURNAM	
CHECKED BY: T. MUHAMMAD	
DATE: 03/26/25	
JOB NUMBER: 79018-1	

SHEET
FA-06A

SECOND FLOOR ABOVE CEILING FIRE ALARM LAYOUT



0 4' 8' 16'
SCALE: 1/8"=1'-0"

NOTES:

1. CEILING HEIGHT = 10' OR LESS, UNLESS OTHERWISE NOTED.
2. CEILING TYPE = MIX
3. SURGE PROTECTOR SUPPLIED BY OTHERS. FOR CIRCUITS BETWEEN BUILDINGS OR EXTERIOR SPACES.

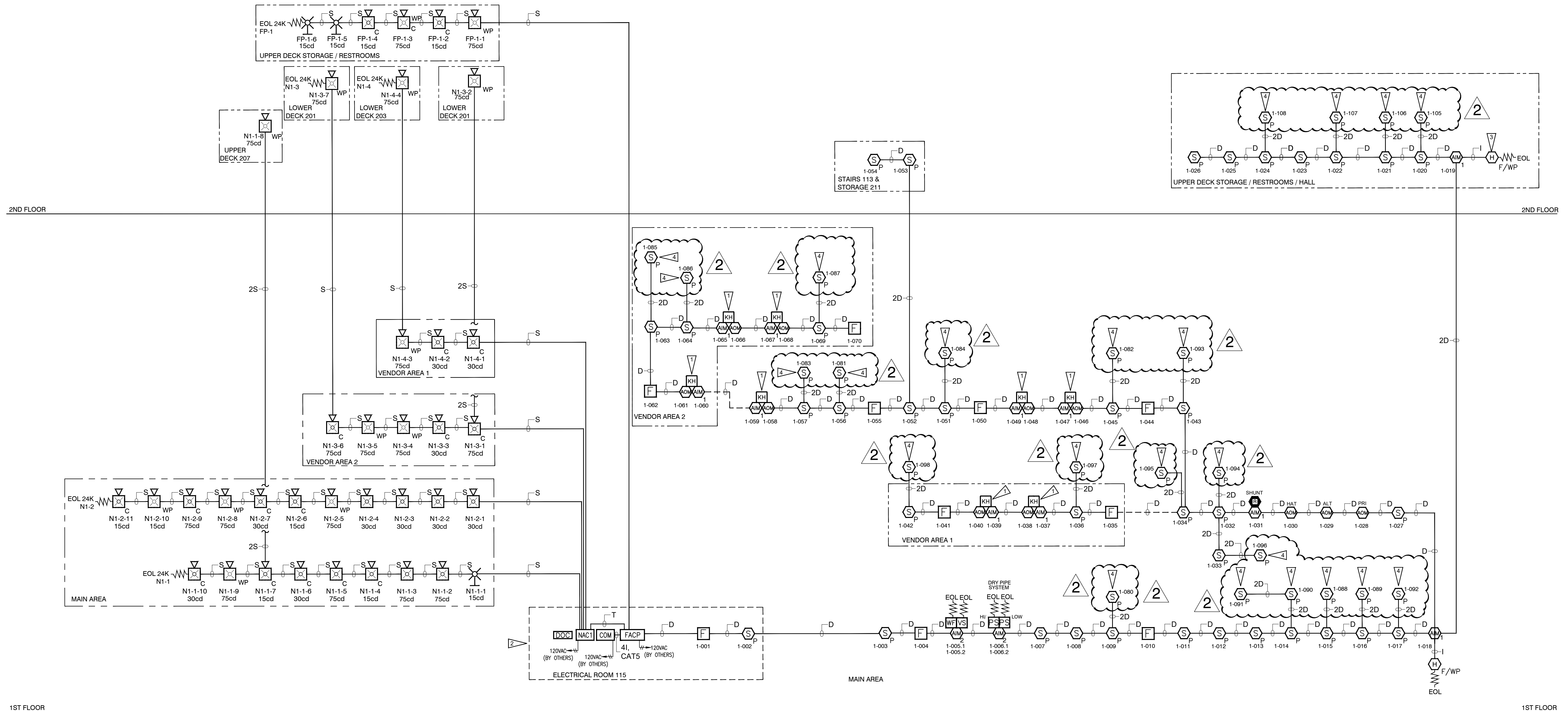
FLAG NOTES:

1. FIELD LOCATE SINGLE INPUT MODULE & RELAY MODULE FOR KITCHEN HOOD. FIELD VERIFY ANSUL SYSTEM (F.B.O.).
2. PER IFC 509-1 MOUNT A FIRE ALARM CONTROL PANEL SIGN WITH 2 INCH WHITE LETTERS ON A RED BACKGROUND LOCATED ON THE OUTSIDE OF THE DOOR LEADING TO THE FIRE PANEL LOCATION.

3. CEILING MOUNT OR WALL MOUNT CONVENTIONAL HEAT DETECTOR. FIELD VERIFY LOCATION.

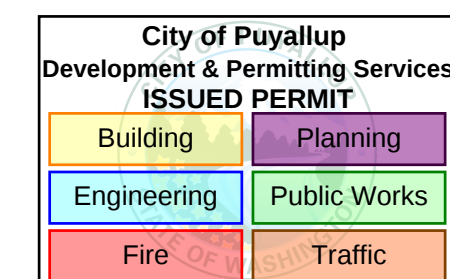
4. SMOKE DETECTOR INSTALLED ABOVE CEILING.

2



RISER DIAGRAM

SCALE: NTS



TAHARKA MUHAMMAD
NICET LEVEL IV
CERT. 138245 EXP. 01/07/2026

SCALE: AS NOTED
DESIGNED BY:
M. WADE
DRAWN/DESIGNED BY:
S. BURNAM
CHECKED BY:
T. MUHAMMAD
DATE: 03/26/25
JOB NUMBER: 79018-1

SHEET
FA-07

WA STATE FAIR INTERNATIONAL VILLAGE

FIRE ALARM SYSTEM
110 9TH AVENUE SW
PUYALLUP, WA 98371

RISER DIAGRAM

RELEASE/REVISIONS		REV. BY:
NO	DATE	DESCRIPTION
1	03/26/25	SHOP DRAWINGS
2	05/08/25	REVISED PER EC COMMENTS
3	06/06/25	FM CORRECTIONS
4		
5		
6		
7		
8		
9		
10		

GUARDIAN SECURITY
1743 1ST AVE. SO., SEATTLE, WASHINGTON 98134
TEL: (206) 622-6545 FAX (206) 628-4990