#### 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.
- 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.
- 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

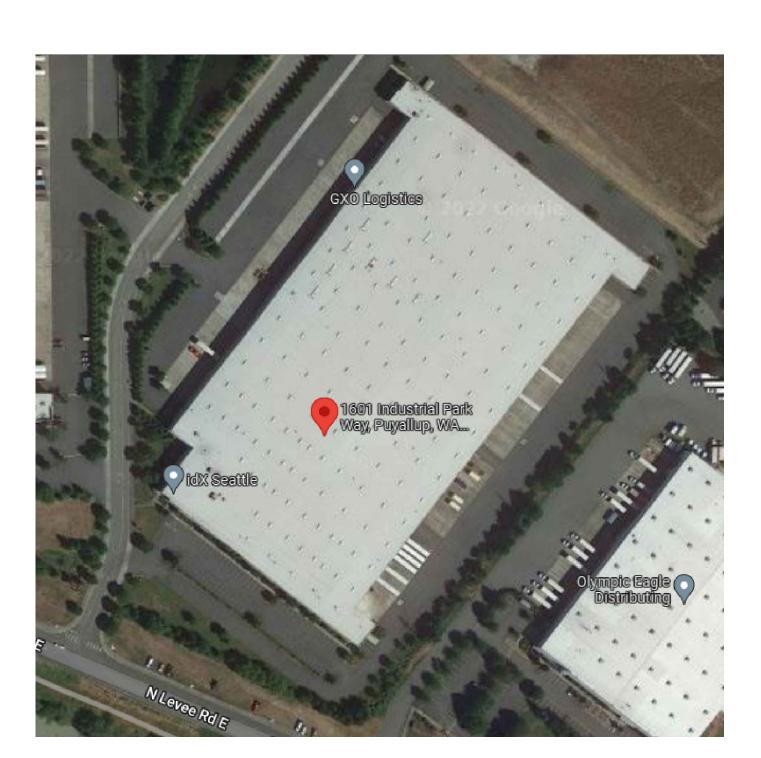
THIS DRAWING IS TO BE USED FOR THE PURPOSE OF PLACING AND LOCATING PATRIOT FIRE PROTECTION, INC. FIRE ALARM DEVICES AND IS NOT TO BE USED FOR ANY OTHER PURPOSES.

### **INSTALLATION COMPANY**

### MONITORING COMPANY

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

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



VICINITY MAP

NOT TO SCALE



#### SCOPE OF WORK

ADD (108) SPOT-TYPE SMOKE DETECTORS TO SUITE 102 WAREHOUSE SPACE. ADD (1) 6815 LOOP EXPANSION MODULE. REMOVE (9) BEAM DETECTORS AND ASSOCIATED MONITOR MODULES.

### SYSTEM DESIGN CODES

INTERNATIONAL BUILDING CODE (IBC 2018 EDITION)

ADA INTERNATIONAL CODE ANSIE 117.1

INTERNATIONAL FIRE CODE (IFC 2018 EDITION)

NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72 2016 EDITION)

NATIONAL ELECTRICAL CODE (NFPA 70 2020 EDITION)

### **USE & OCCUPANCY CLASSIFICATION**

□ 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

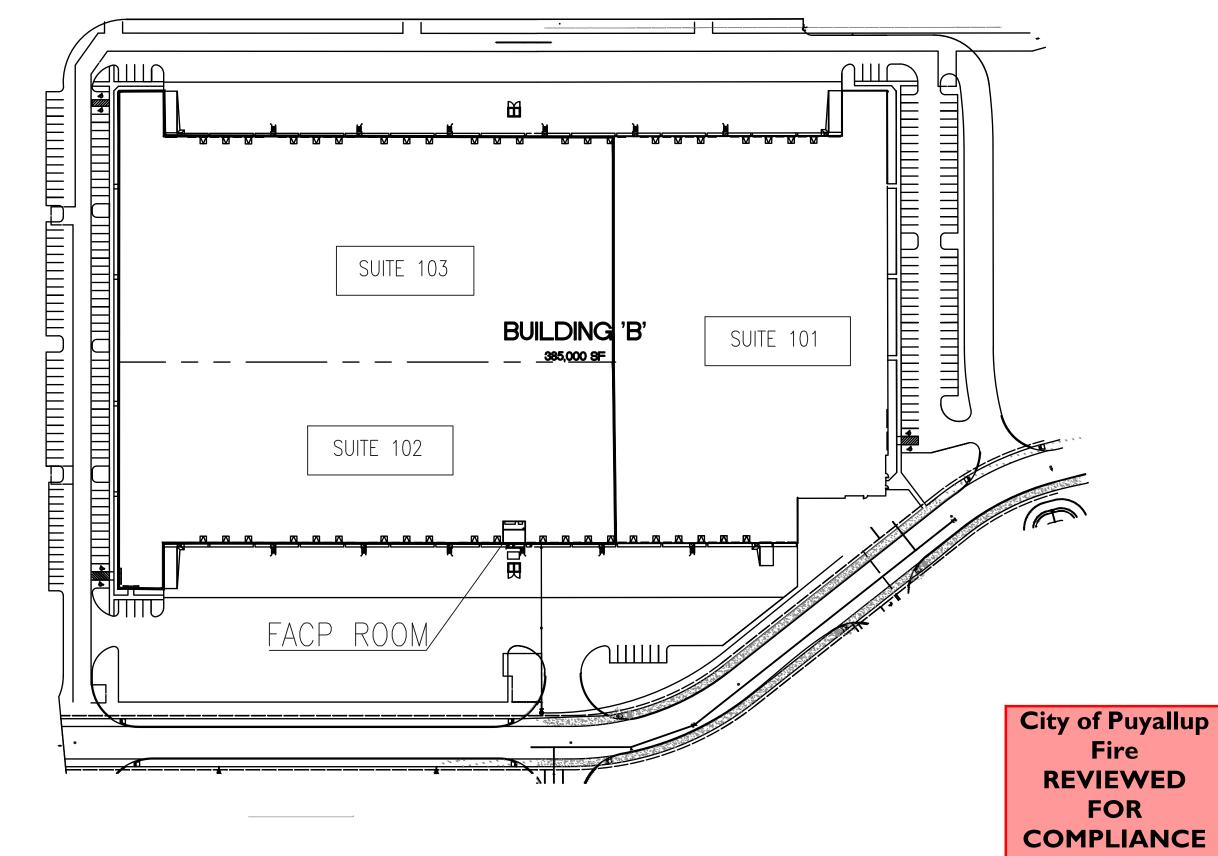
■ STORAGE (S) ■ S-1 □ S-2 □ S-3 □ S-4 □ UTILITY & MISCELLANEOUS (U)

#### **AUTOMATIC SPRINKLER PROTECTION**

□ NO □ PARTIAL ■ FULL

			FIRE ALA				
NEW	EXISTING	SYMBOL	CONTROL DESCRIPTION	AND IN	PUT MAKE/MODEL		MOUNTING
NEW	1	FACP	FIRE ALARM CONTROL PANEL		SILENT KNIGHT 6820		SELF CONTAINED
	1	ANN	ANNUNCIATOR PANEL		SILENT KNIGHT 5860R		BACKBOX
		AES	AES RADIO COMMUNICATOR		AES 7707P-88-ULP-M		SELF CONTAINED
	1	CELL	CELLULAR COMMUNICATOR		NAPCO STARLINK SLE-LTEV	I-CFBPS	SELF CONTAINED
1	4	SLC	SLC LOOP EXPANDER		SILENT KNIGHT 6815		SELF CONTAINED
	3	IPM	INTELLIGENT POWER MODULE		SILENT KNIGHT 5895XL		SELF CONTAINED
	3	PS	POWER SUPPLY		SILENT KNIGHT 5495		SELF CONTAINED
108	417	0	SMOKE DETECTOR		SILENT KNIGHT SK-PHO	TO-W	4" SQ DEEP
		<u> </u>	DUCT SMOKE DETECTOR (ADDR)		SILENT KNIGHT SK-DUCT		BY OTHERS
	21	(!)	HEAT DETECTOR		SILENT KNIGHT SK—HEAT-	-W	4" SQ DEEP
	29	F	MANUAL PULL STATION		SILENT KNIGHT SK-PULL-	-DA	4" SQ DEEP
	34	M	SINGLE INPUT MONITOR MODULE		SILENT KNIGHT SK-MONIT	OR	4" SQ DEEP
		M2	DUAL INPUT MONITOR MODULE		SILENT KNIGHT SK-MONIT	OR-2	4" SQ DEEP
		BD	BEAM-TYPE SMOKE DETECTOR		SYSTEM SENSOR BEAM12	24	BACKBOX
		BT	BEAM-TYPE SMOKE DETECTOR REFL.,	/TARGET	SYSTEM SENSOR BEAMLRI	<	BACKBOX
			NOTIF	ICATION			
		<b>X.</b>	WALL MOUNTED HORN STROBE				
		⊠ <sub>co</sub>	WALL MOUNTED STROBE				
			WALL MOUNTED HORN				
		<u></u>	CEILING MOUNTED HORN STROBE				
		⊗ <sub>co</sub>	CEILING MOUNTED STROBE				
		X.,	OUTDOOR HORN STROBE				
		4	ELECTRIC BELL				
			GEI	NERAL			
		WF	WATERFLOW SWITCH				
		TS	TAMPER SWITCH				
		FP	FIRE PUMP				
		OSY	OS&Y VALVE TAMPER				
		PIV	PIV TAMPER				
		$\otimes$	FIRE SPRINKLER RISER				
		BFP	FIRE BACKFLOW PREVENTER				
		$\bigcirc$	DUCT SMOKE DETECTOR (CONV)				
		$\odot$	JUNCTION BOX				

	WIRE L	EGEND	
ID	AWG	COND	CLASS
A	14	2	FPLR



BUILDING FLOOR PLAN
NOT TO SCALE



City of Puyallup evelopment & Permitting Services ISSUED PERMIT

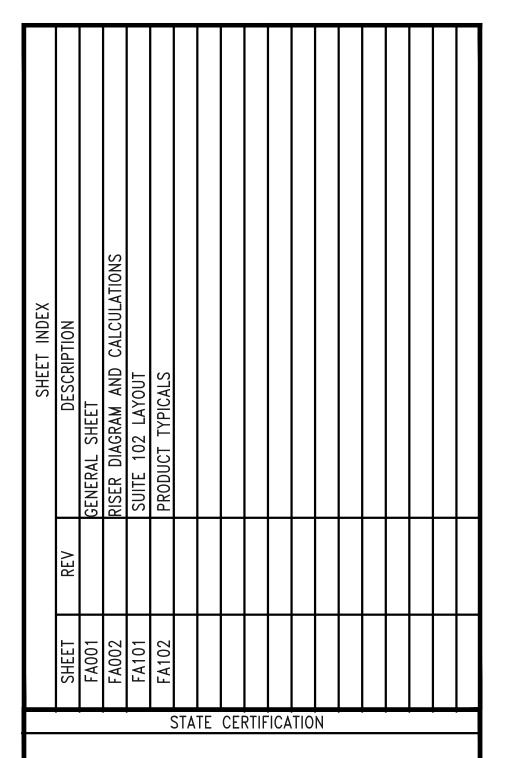
Building Planning

Engineering Public Works

**DDrake** 

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.



STIPS OF WASHINGTON OF WASHING

REVISIONS								
DATE	BY	DESCRIPTION						
RACT WITH:								

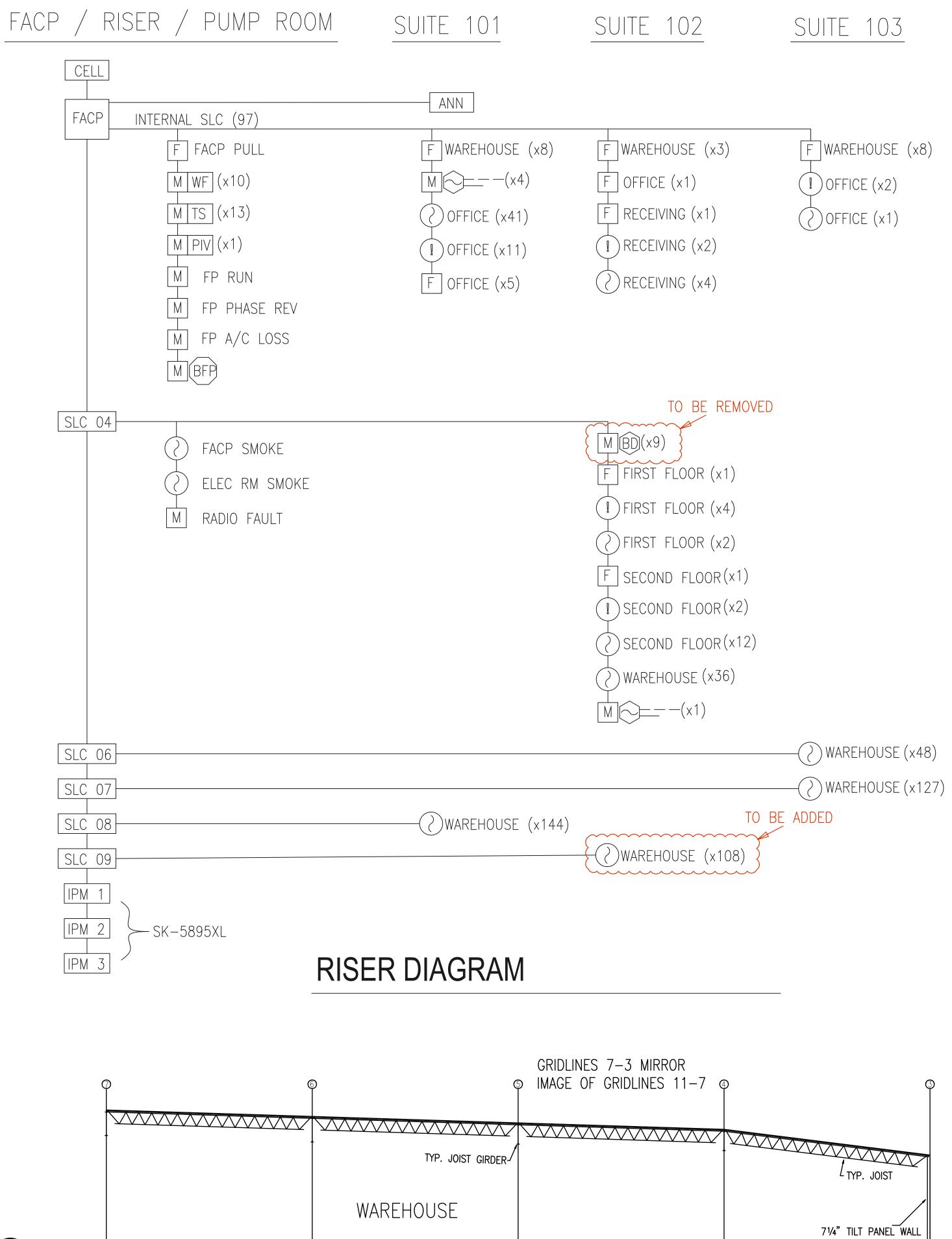
CT NAME:
PUYALLUP 1
1601 INDUSTRIAL PARK WAY
SUITE 101
PUYALLUP, WA 98371

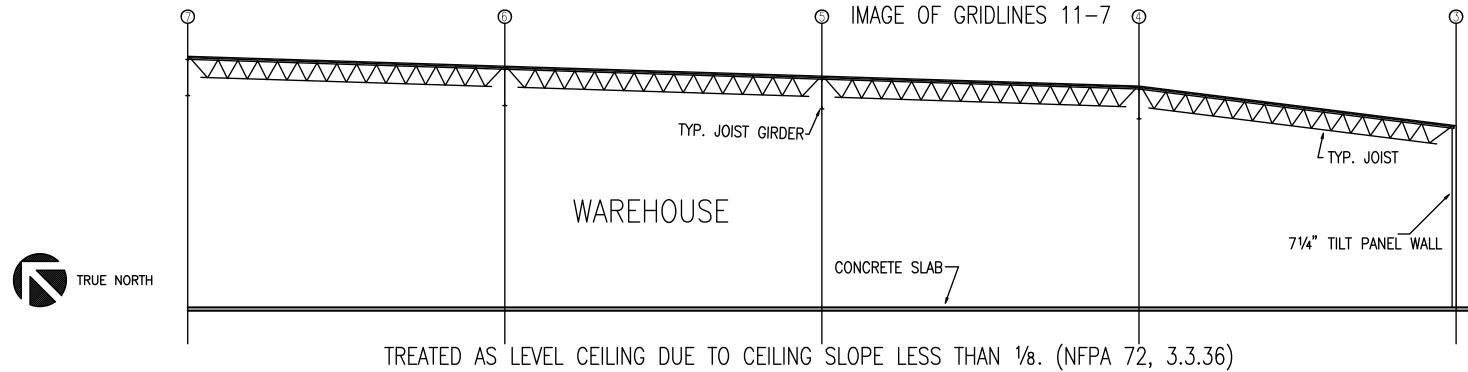


TEL: (253) 926-2290 FAX: (253) 922-6150

PATRIFP099CF WWW.PATRIOTFIRE.COM

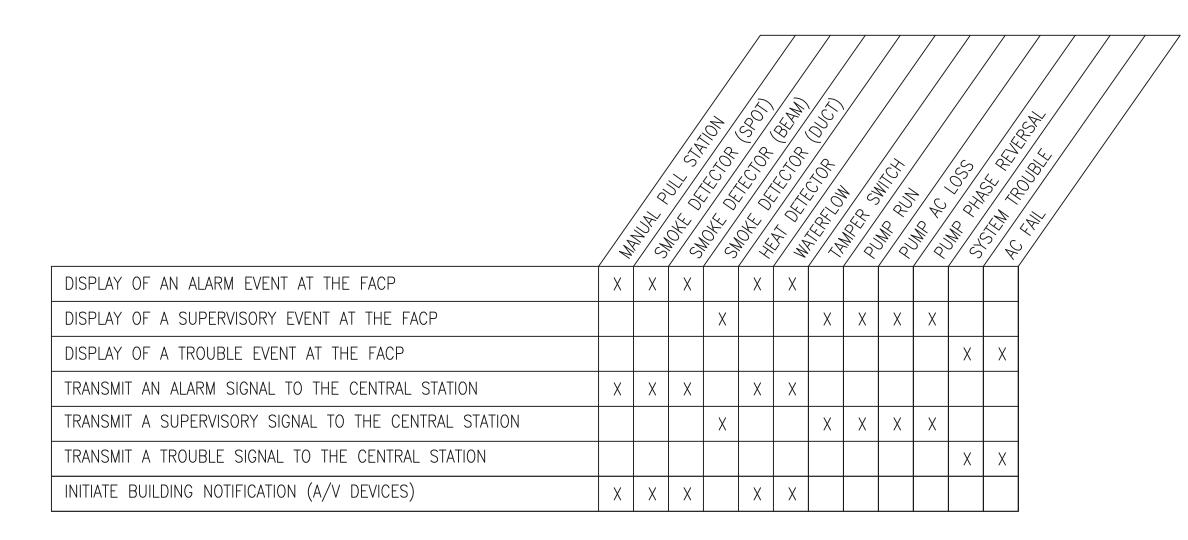
Stevyn.Stuart@patriotfire.com





**ELEVATION VIEW (NORTH)** 

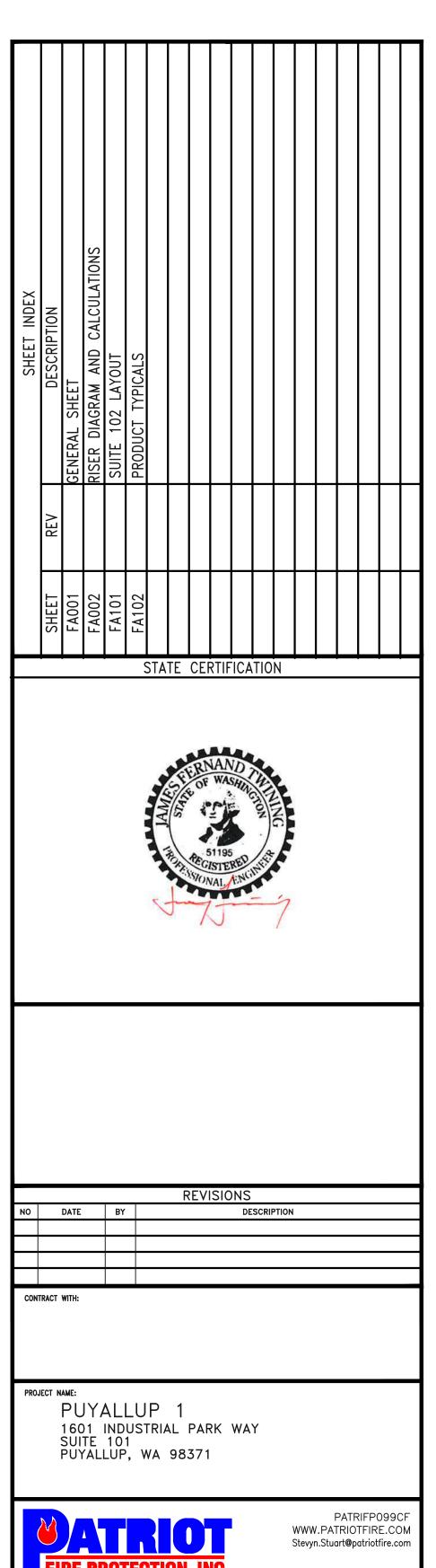
NOT TO SCALE



# OPERATIONAL MATRIX

Honeywell		IntelliKnight 6820 Battery Calculation								
SILENT" KNIGHT	Secondary Power Source Requirements									
		St	andby Curre	nt (a	mps)	Sec	one	dary Alarm C	urre	ent (amps)
Device Type	Qty		<b>Current Drav</b>	V	Total	Qty		<b>Current Dray</b>	N	Total
1. Control Panel	77	100				h 2520	rii		- 1	
6820 Control Panel	1	Х	0.190000	=	0.190000	1	Х	0.250000	=	0.250000
2. Addressable SLC Device	ces			10						
SK-PHOTO-W (-T)	525	X	0.000200	=	0.105000	525	X	0.000450	=	0.236250
SK-HEAT-W(HT) (ROR)	21	Х	0.000200	=	0.004200	21	X	0.000450	=	0.009450
SK-MONITOR	34	Х	0.000375	=	0.012750	34	Х	0.000375	=	0.012750
SK-PULL-DA	29	Х	0.000375	=	0.010875	29	Х	0.000375	=	0.010875
6. Accessory Modules									N	
6815	5	Х	0.078000	=	0.390000	5	X	0.078550	=	0.392750
5860	1	Х	0.020000	=	0.020000	1	Х	0.025000	=	0.025000
5895XL	3	х	0.010000	=	0.030000	3	Х	0.010000	=	0.030000
		Tota	Standby Lo	oad	0.762825	, 1	Гota	l Alarm Loa	d	0.967075
Honeywell		In	itelliKni	gh	t 6820 E	Batte	ry	Calcu	lat	ion
	Note 1			_		Contract Contract Contract			lat	ion
Honeywell SILENT KNIGHT	8	: Yo	u are fully res	pons	ible for verifyi	ng thes	e ca	alculations.	lat	ion
	8	: Yo	u are fully res e the dropdov	pons vns ir		ng thes ells to e	e ca	alculations.	lat	ion
	8	: Yo	u are fully res e the dropdov	pons vns ir	ible for verifying the <b>yellow</b> co	ng thes ells to e	e ca	alculations. values.		
	8	: Yo	u are fully res e the dropdov	pons vns ir	ible for verifying the <b>yellow</b> co	ng thes ells to e	e ca	alculations.	Tim	
SILENT	8	: Yo	u are fully reset the dropdow	spons vns ir	ible for verifying the yellow control of the yellow control of the thick the	ng thes ells to e	e ca	values.	Tim	e in Hours
SILENT	8	: Yo	u are fully res e the dropdov	spons vns ir	ible for verifying the yellow control of the yellow control of the thick the	ng thesells to e	e ca	alculations. values. ed Standby 24 Hou	Timers =	e in Hours 18.308 AH
SILENT	8	: Yo	u are fully reset the dropdow	spons vns ir	ible for verifying the yellow control of the yellow control of the thick the	ng thesells to e	e ca	ed Standby  24 Hou  24  ed Alarm Ti	Time	e in Hours 18.308 AH
Standby Load Current	Note 2	: Yo	u are fully reset the dropdow	spons vns ir n in	ible for verifying the yellow control Shee	ng thesells to e	e ca	ed Standby  24 Hou  24  ed Alarm Ti  5 Minut	Tim	e in Hours 18.308 AH in Minutes
Standby Load Current	Note 2	: Yo	u are fully reset the dropdow	spons vns ir n in	ible for verifying the yellow control Shee	ng thesells to e	e ca	ed Standby  24 Hou  24  ed Alarm Ti  5 Minut  0.084	Timers = es	e in Hours 18.308 AH in Minutes 0.081 AH
Standby Load Current	Note 2	: Yo	u are fully reset the dropdov alculation 0.762	pons vns ir in 283 A	the yellow control of the yellow control Sheet mps	ng thesells to e	e ca	ed Standby  24 Hou  24  ed Alarm Ti  5 Minut	Timers = es	e in Hours 18.308 AH in Minutes 0.081 AH
Standby Load Current	Note 2	: Yo	u are fully reset the dropdov alculation 0.762	pons vns ir in 283 A	ible for verifying the yellow control Shee	ng thesells to e	e canter	ed Standby  24 Hou  24  ed Alarm Ti  5 Minut  0.084	Timers = es	e in Hours 18.308 AH in Minutes 0.081 AH 18.389 AH
Standby Load Current	Note 2	: Yo	u are fully reset the dropdov alculation 0.762	pons vns ir in 283 A	the yellow control of the yellow control Sheet Total Sheet Imps  Imps  rating Factor	ng thesells to extended a Record of the Reco	e canter	ed Standby  24 Hou  24  ed Alarm Til  5 Minut  0.084  Current Loa	Times in the second of the sec	18.308 AH in Minutes 0.081 AH 18.389 AH x 1.20
	Note 2	: Yo	u are fully reset the dropdov alculation 0.762 0.967	pons vns ir in 283 A	the yellow control of the yellow control Sheet Total Sheet Imps  Imps  rating Factor	Reco	e canter	ed Standby 24 Hou 24 ed Alarm Ti 5 Minut 0.084  Current Loa	Timers = es = ed	18.308 AH in Minutes  0.081 AH 18.389 AH x 1.20  22.07 AH

POWER CALCULATIONS



TEL: (253) 926-2290 FAX: (253) 922-6150

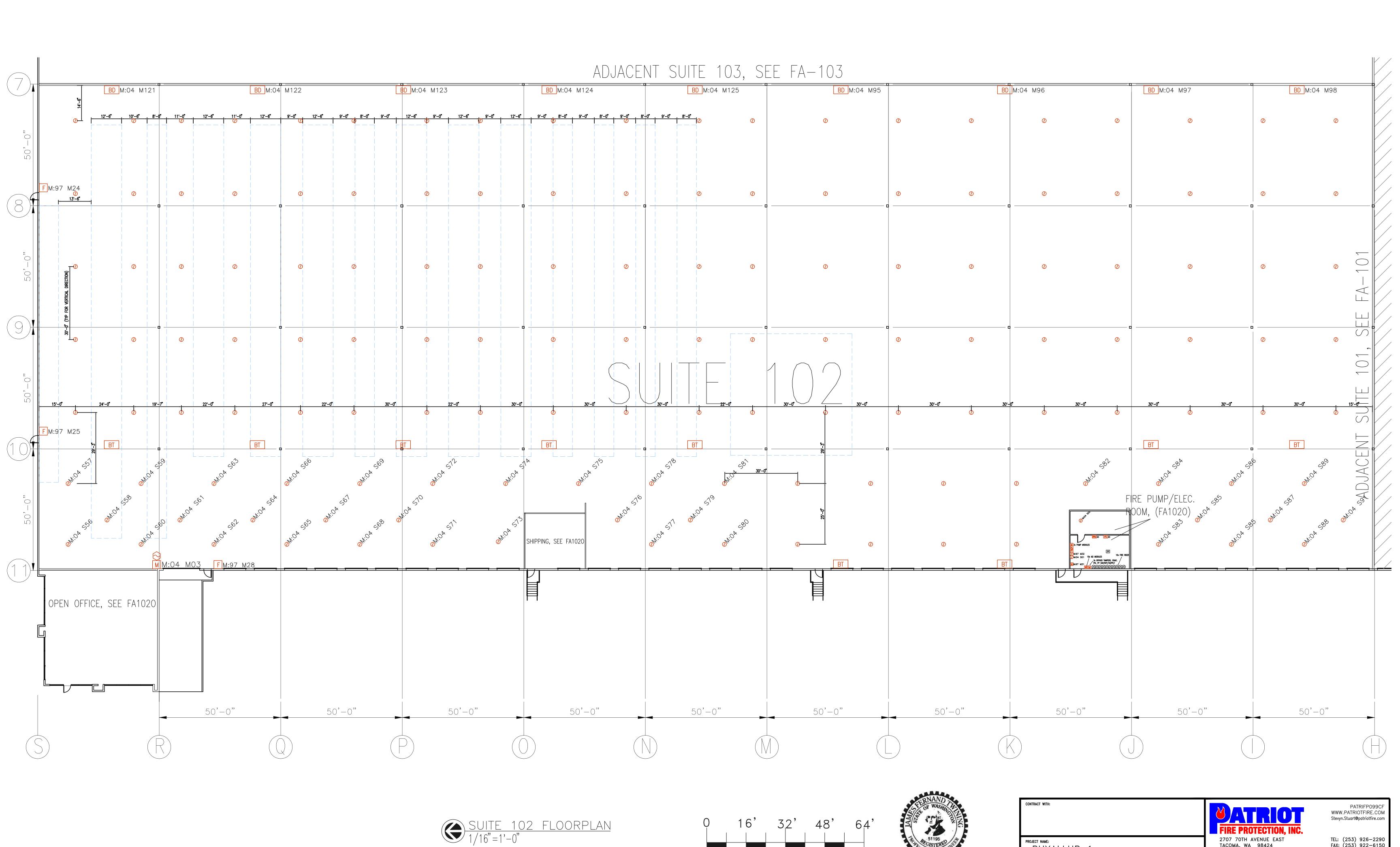
FA-002

2707 70TH AVENUE EAST

11/08/23

16-3041

**2** OF **4** 



 $\frac{1}{16}$ "=1'-0"

2707 70TH AVENUE EAST TACOMA, WA 98424

STUART 11/08/23 16-3041

DESIGNER
DATE
JOB NO.

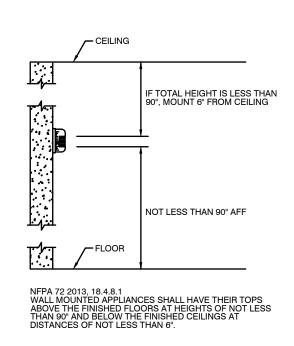
PROJECT NAME:

PUYALLUP 1

SUITE 102 - 1601 INDUSTRIAL PARK WAY
PUYALLUP, WA 98371

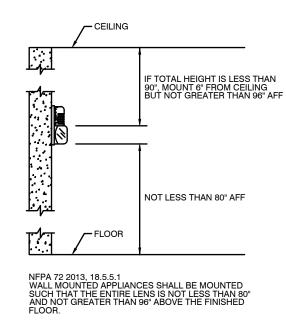
TEL: (253) 926-2290 FAX: (253) 922-6150

**FA-101** 

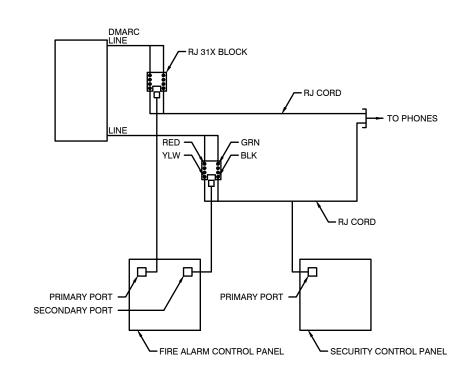


 $(\mathbf{E})$ 

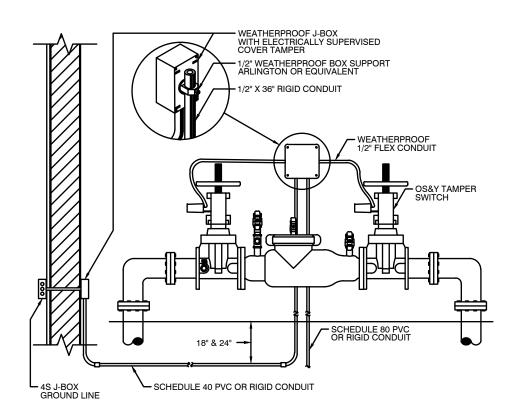
### FIRE ALARM - HORN MOUNTING



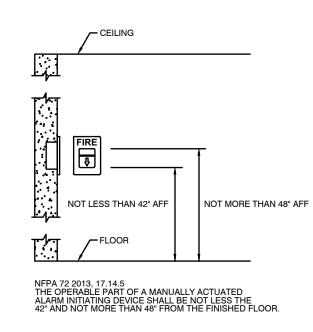
### FIRE ALARM - STROBE MOUNTING B



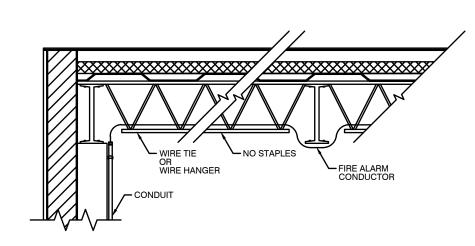
# FIRE ALARM - PHONE CONNECTION



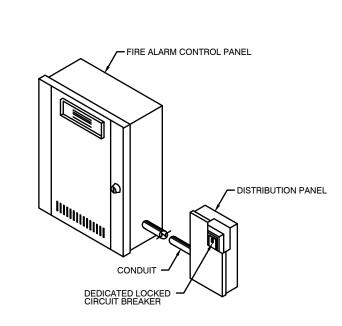
FIRE ALARM - DCVA TAMPER SWITCHES



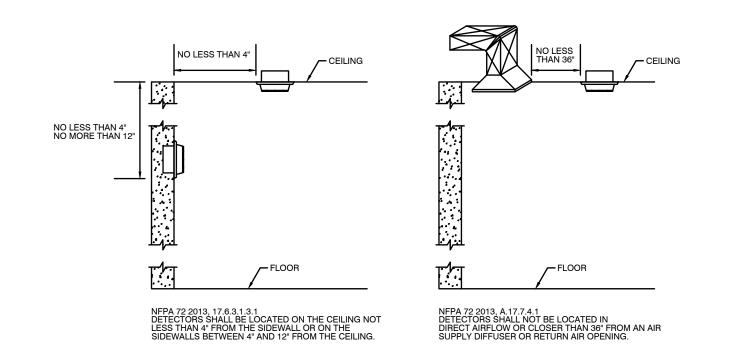
# FIRE ALARM - PULL STATION MOUNTING



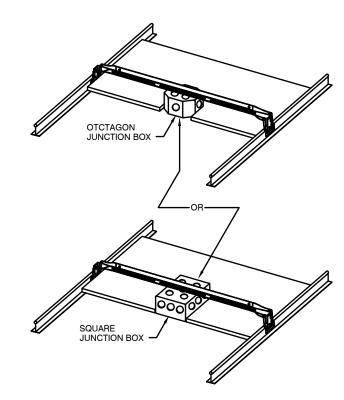
### FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING



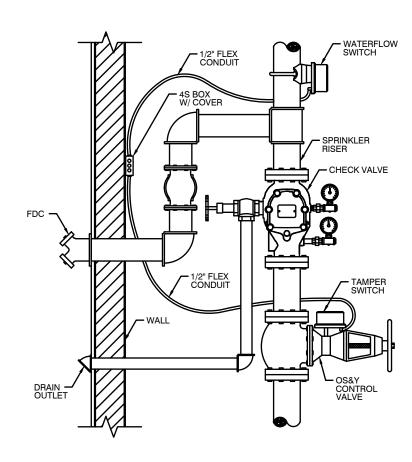
FIRE ALARM - POWER DISCONNECT



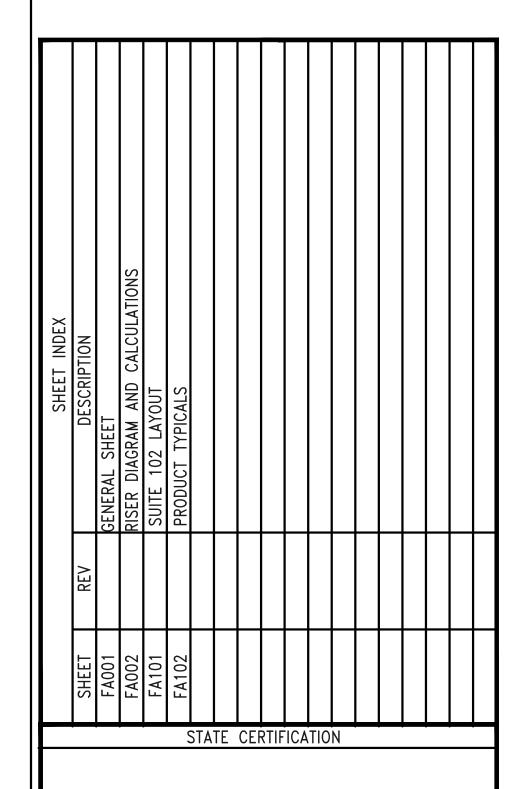
FIRE ALARM - SMOKE & HEAT MOUNTING



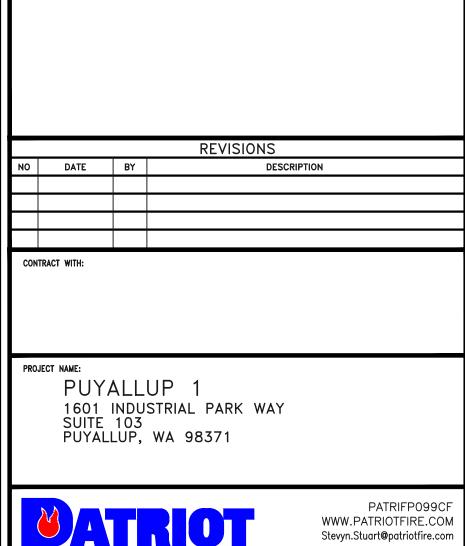
FIRE ALARM - DROP CEILING & J BOX



FIRE ALARM - OS&Y TAMPER GATE VALVE









TEL: (253) 926-2290 FAX: (253) 922-6150

DESIGNER STEVYN S
DATE 11/08/23 DATE 11/08/23 JOB NO. 16-3041