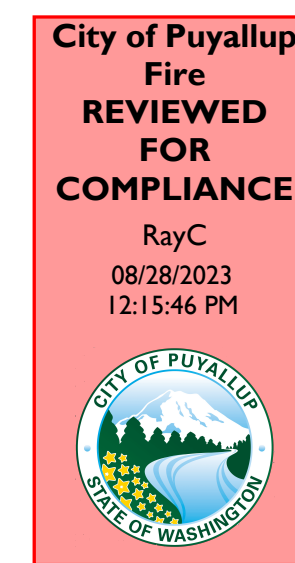
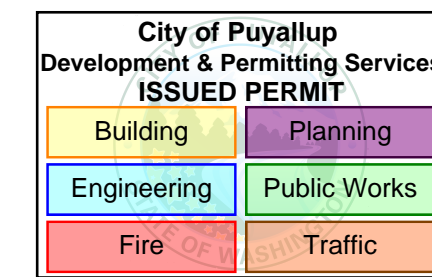


ELEVATION VIEW (NORTH)
N.T.S

	MANUAL PULL STATION	SMOKE DETECTOR (SPDT)	SMOKE DETECTOR (BEAM)	HEAT DETECTOR (DUCT)	WATERFLOW	TAMPER SWITCH	PUMP RUN	PUMP AC LOSS	SYSTEM TROUBLE	AC FAIL
DISPLAY OF AN ALARM EVENT AT THE FACP	X	X	X	X	X					
DISPLAY OF A SUPERVISORY EVENT AT THE FACP				X		X	X	X	X	
DISPLAY OF A TROUBLE EVENT AT THE FACP									X	X
TRANSMIT AN ALARM SIGNAL TO THE CENTRAL STATION	X	X	X	X	X					
TRANSMIT A SUPERVISORY SIGNAL TO THE CENTRAL STATION			X		X	X	X	X		
TRANSMIT A TROUBLE SIGNAL TO THE CENTRAL STATION									X	X
INITIATE BUILDING NOTIFICATION (A/V DEVICES)	X	X	X	X	X					




Heat Detection - not shown on plan. Subject to plan review and inspection. Total Coverage is required per NFPA standards, smoke detection is required.



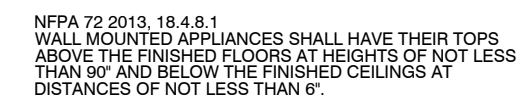
OPERATIONAL MATRIX

Honeywell SILENT KNIGHT		IntelliKnight 6820 Battery Calculation									
Secondary Power Source Requirements											
Device Type		Qty	Standby Current (amps)				Secondary Alarm Current (amps)				
			Current Draw		Total		Qty	Current Draw		Total	
1. Control Panel											
6820 Control Panel		1	x	0.190000	=	0.190000	1	x	0.250000	=	0.250000
2. Addressable SLC Devices											
SK-PHOTO-W (-T)		417	x	0.000200	=	0.083400	417	x	0.000450	=	0.187650
SK-HEAT-W(HT) (ROR)		21	x	0.000200	=	0.004200	21	x	0.000450	=	0.009450
SK-MONITOR		53	x	0.000375	=	0.019875	53	x	0.000375	=	0.019875
SK-PULL-DA		29	x	0.000375	=	0.010875	29	x	0.000375	=	0.010875
6. Accessory Modules											
6815		4	x	0.078000	=	0.312000	4	x	0.078550	=	0.314200
5860		1	x	0.020000	=	0.020000	1	x	0.025000	=	0.025000
5895XL		3	x	0.010000	=	0.030000	3	x	0.010000	=	0.030000
Total Standby Load						0.670350	Total Alarm Load				0.847050

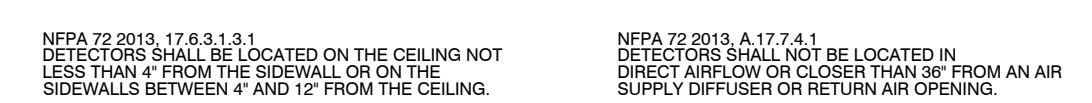
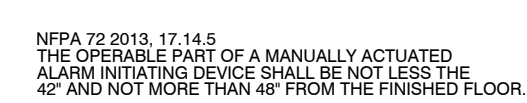
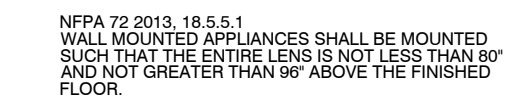
		IntelliKnight 6820 Battery Calculation			
Note 1: You are fully responsible for verifying these calculations.					
Note 2: Use the dropdowns in the yellow cells to enter values.					
Calculation in Total Sheet					
				Required Standby Time in Hours	
				24 Hours	
Standby Load Current	0.67035 Amps	x	24	=	16.088 AH
				Required Alarm Time in Minutes	
				5 Minutes	
Alarm Load Current (Amps)	0.84705 Amps	x	0.084	=	0.071 AH
				Total Current Load	
				16.160 AH	
		Multiply by the Derating Factor	1.2	=	x 1.20
				Total Ampere Hours Required	
				19.39 AH	
Recommended Batteries:				BAT-12260 - 26AH Batteries	

POWER CALCULATIONS

SHEET INDEX		DESCRIPTION	REV	DATE	BY	DESCRIPTION
GENERAL SHEET		FLOOR PLAN AND CALCULATIONS				
ENLARGED LAYOUT		PRODUCT DETAILS				
STATE CERTIFICATION						
PUIALLUP 1		1601 INDUSTRIAL PARK WAY				
SUITE 101		PUIALLUP, WA 98371				
REVISIONS						
NO	DATE	BY	DESCRIPTION			
CONTRACT WITH:						
PROJECT NAME:						
PUIALLUP 1		1601 INDUSTRIAL PARK WAY				
SUITE 101		PUIALLUP, WA 98371				
PATRIOT FIRE PROTECTION, INC.		2707 70TH AVENUE EAST				
TACOMA, WA 98424		TEL: (253) 926-2290				
FAX: (253) 922-6150						
DESIGNER	STEVYN S	SHEET				
DATE	7/17/2023					
JOB NO.	16-3541	2 OF 3				
FA-101						



FIRE ALARM - HORN MOUNTING



FIRE ALARM - STROBE MOUNTING

FIRE ALARM - PULL STATION MOUNTING

FIRE ALARM - SMOKE & HEAT MOUNTING

FIRE ALARM - CEILING TO WALL TRANSITION AND OPEN WIRING

FIRE ALARM - DROP CEILING & J BOX

