PROJECT CONTACTS

SALESPERSON:

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PROJECT DESIGNER:

CHRIS NORRIS PROJECT DESIGNER 861 INDUSTRY DRIVE TUKWILA, WA 98188 PHONE: (425) 420-8786

PROJECT MANAGER:

PROJECT MANAGER 861 INDUSTRY DRIVE TUKWILA, WA 98188 PHONE: (206) 472-3867

BILL HUGGINS

PROJECT FIRE ALARM SYSTEM NOTES:

- ALL WORK TO CONFORM TO 2016 ED. NFPA 72, 2018 IBC, INCLUDING WA STATE AMENDMENTS, AND 2020 NFPA 70 (NEC) STANDARDS.
- SYSTEM DESIGN BASED ON INTERNATIONAL FIRE CODE 2018 AND/OR LOCAL AUTHORITY HAVING JURISDICTION CODES AND/OR ADDENDUM CRITERIA.
- WALL MOUNT NOTIFICATION DEVICES TO BE MOUNTED 84" AFF, OR 6" BELOW CEILING (WHICHEVER DISTANCE IS LOWER), TO STROBE LENS OR SOUNDER.
- PULL STATIONS TO BE MOUNTED:
- 4.1. NO GREATER THAN 48" AFF TO DEVICE HANDLE.
- WITHIN 5' OF THE DOOR.
- FIRE ALARM CONTROL PANEL TO BE ON UN-SWITCHED, DEDICATED 120VAC CIRCUIT WITH CIRCUIT BREAKER LOCK ON.
- 6. WIRING METHOD TO BE OPEN CABLE UNLESS BELOW 7' AND EXPOSED, THEN IT WILL BE CONTAINED WITHIN CONDUIT UNLESS IN OCCUPANCY WHERE CONDUIT IS REQUIRED THROUGH OUT.
- 7. SMOKE AND HEAT DETECTORS TO BE INSTALLED:
- 7.1. 12" MAX FROM SIDEWALLS
- 7.2. MORE THAN 36" FROM ANY HVAC DIFFUSER
- 7.3. NOT IN CLOSE PROXIMITY TO FLUORESCENT LIGHTING
- 7.4. AT LEAST 6" DOWN FROM PEAK IN SLOPED CEILING
- 8. ALL JUNCTION BOXES, MUD RINGS, AND BOX COVERS TO BE PAINTED RED (INSIDE AND OUT).
- 9. EXTERIOR HORN STROBES TO BE MOUNTED IN THE TOP 2/3 OF THE BUILDING STRUCTURE FACING THE ANTICIPATED FIRE DEPARTMENT ACCESS ROAD.

CODE INFORMATION

FIRE ALARM AUTHORITY HAVING JURISDICTION CITY OF PUYALLUP FIRE DEPARTMENT

FIRE ALARM DESIGNER OF RECORD HOWARD WILLIAMSON NICET LEVEL IV, FIRE ALARM SYSTEMS NICET ID: 82289

PROJECT CODE REFERENCES:

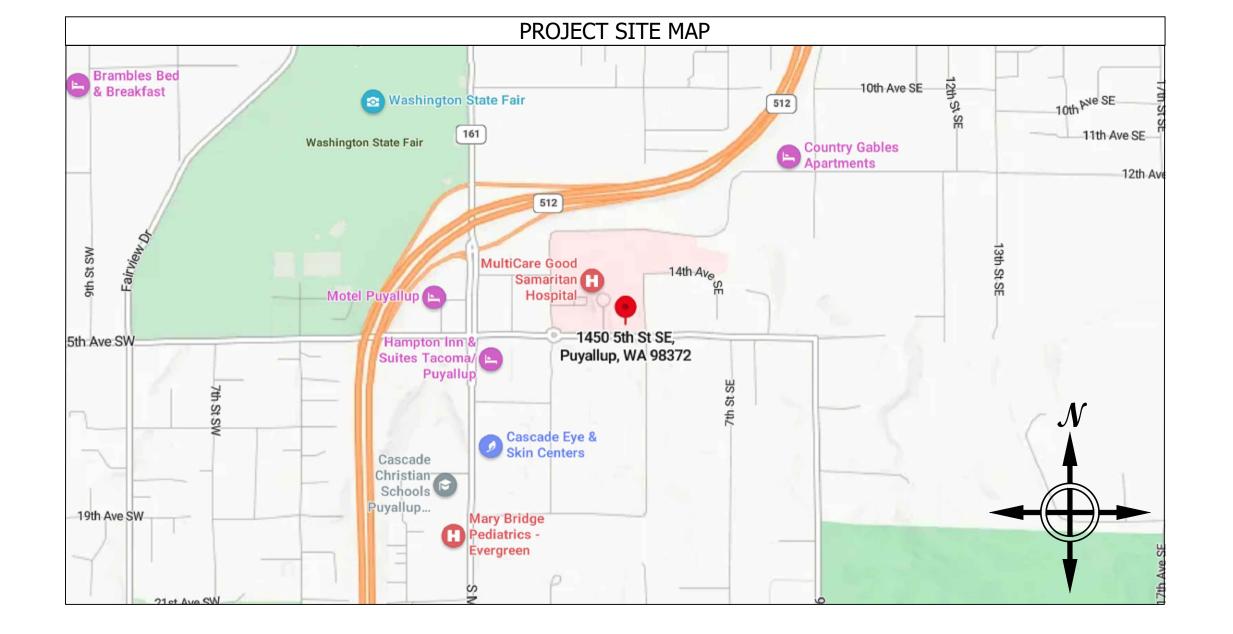
- INTERNATIONAL BUILDING CODE (2018ED), INC. WASH. STATE AMENDMENTS
- INTERNATIONAL FIRE CODE (2018ED), INC. WASH. STATE AMENDMENTS INTERNATIONAL MECHANICAL CODE (2018ED)
- NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72, 2016ED)
- NATIONAL ELECTRICAL CODE (NFPA 70, 2020ED)

PROJECT DESCRIPTION

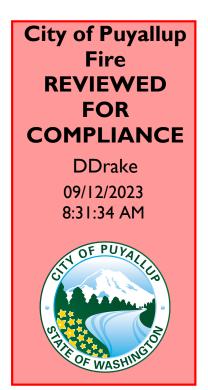
THE INTENT OF THIS DESIGN IS TO PROVIDE AND ADD TO EXISTING FIRE ALARM SYSTEM THAT ACTIVATES THE OCCUPANT NOTIFICATION SYSTEM IN THIS TENANT IMPROVEMENT DURING A FIRE EMERGENCY. THIS TENANT IMPROVEMENT'S FIRE ALARM SYSTEM IS A PART OF THE OVERALL COMPLEX FIRE ALARM SYSTEM. THIS PART WILL BE NETWORKED TO TRANSMIT ALL ALARM, TROUBLE, AND SUPERVISORY SIGNALS FROM THIS TENANT IMPROVEMENT TO THE FACP.

COMMUNICATION METHOD

COMMUNICATION OF ALL TROUBLE, SUPERVISORY, AND ALARM SIGNALS FOR THIS TENANT IMPROVEMENT SHALL BE PROVIDED AND INSTALLED WITH A COMMUNICATOR/COMMUNICATION MEANS ACCEPTABLE BY THE AHJ, VIA THE FACP.



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



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.

SEQUENCE OF OPERATIONS	MANUAL PULL STATION	SMOKE DETECTION	ELEVATOR MACHINE RM/SHAFT SMOKE DET.	MAIN FLOOR ELEV. LOBBY SMOKE DET.	OTHER FLOOR ELEV. LOBBY SMOKE DET.	HEAT DETECTION	DUCT SMOKE DETECTION	WET FLOW SWITCH	DRY FLOW SWITCH	HI-LOW AIR	DRY TAMPER SWITCH	WET TAMPER SWITCH	POST INDICATOR VALVE	SYSTEM TROUBLE
ACTIVATION OF LOCAL ALARM AT FACP	X	X	X	X	X	X		X	X					
INDICATION OF ALARM AT LCD ANNUNCIATOR	X	X	X	X	X	Х		X	X					
ACTIVATE ALL AUDIBLE & VISIBLE DEVICES	X	X	X	X	X	X		X	X					
SHUT DOWN RESPECTIVE HVAC UNIT							Х							
INITIATE ELEV. RECALL TO MAIN FLOOR					X									
INITIATE ELEV. RECALL TO ALTERNATE FLOOR			Х	X	X									
TRANSMIT ALARM SIGNAL TO CENTRAL STATION	X	X	X	X	X	Х		X	Х					
TROUBLE/SUPV. INDICATION AT FACP							Х			X	X	X	X	X
TROUBLE/SUPV. INDICATION AT LCD ANNUNCIATOR							Х			X	X	X	X	X
TRANSMIT TROUBLE/SUPV. SIGNAL TO CENTRAL STATION							Х			X	X	X	X	X

	BPS #1				Circuit Identi	fers:				
Location:	Telecom Room		Standby:	Alarm:	Output #1	Output#2	Output #3	Output#4	Aux	
P.S. Type:	PSN-106		0.0750	0.0750	NAC Sync	The state of the s			Power	
Part#:	Description:			1010.17	S1	S2	X-X	X-X	X-X	Total Qty
SPSCWL	Ceiling Speaker w/ Strobe set a	15cd	0.0000	0.0410	3					3
SPSCWL	Ceiling Speaker w/ Strobe set a		0.0000	0.0630						0
SPSCWL	Ceiling Speaker w/ Strobe set a		0.0000	0.1110						0
SPSCWL	Ceiling Speaker w/ Strobe set a		0.0000	0.1340						0
SPSCWL	Ceiling Speaker w/ Strobe set a		0.0000	0.1580						0
SCWL	Ceiling Strobe set at 15cd	11000	0.0000	0.0410	10	3		1		13
SCWL	Ceiling Strobe set at 30cd		0.0000	0.0630	10	-				0
SCWL	Ceiling Strobe set at 75cd		0.0000	0.1110						0
SCWL	Ceiling Strobe set at 95cd		0.0000	0.1340						0
SCWL	Ceiling Strobe set at 115cd		0.0000	0.1580						0
3011L	Coming Ca Obc Scrat 1100a		0.0000	0.1000						0
										0
										0
								7	1	0
										0
				_						0
								1		0
										0
										0
										0
	Typical Door Holders		0.0680	0.0000						0
			# Devices	per Circuit	13	3	0	0	0	16
		Total Standby Circu				0.000	0.000	0.000	0.0000	0.0750
		Total Alarm Circu				0.123	0.000	0.000	0.0000	0.0750
			ire Gauge U			14AWG	14AWG	14AWG	14AWG	Total
		VV		Length (ft):		150	0	0	0	
		F-6						-		Amps
			Santana Visional Car							Required
						20.30				0.656
		Calc	ulated Voltag	ge Drop %:	7.2%	0.5%	0.0%	0.0%	0.0%	
2) Some Outd	raw Measurement based on: UL19 loor/WP Devices have the same M APS is configured for "Doors", Outp	Estim Calco 71, 16-33V, DC, High easured Current Dra	h db & Temp aw as the Inc	oltage (dc): ge Drop % : poral Patten door Device	18.93 7.2% es and may no	ot listed separ	ately above.		0.00 20.40 0.0%	
o) whien the /										
	LOAD CALC for BPS #1:									
	LOAD CALC for BPS #1:	2.24								
	Hours Standby:	24	Total Standl	by Current	0.0750	Total A	Amp Hours Re	equired for St	andby (AH)	1.8
		24 15		by Current	the same of the same of the same of		the state of the s	equired for Sta Required for		
	Hours Standby:				the same of the same of the same of		al Amp Hours		Alarm (AH)	0.2
	Hours Standby:		Total Alar		0.7310		al Amp Hours	Required for	Alarm (AH)	0.2
	Hours Standby: Minutes Alarm: Backup Generator?	15	Total Alar Spare	rm Current	0.7310 equired		Amp Hours Minimum B	Required for Battery Size No	Alarm (AH) eeded (AH)	2.0
	Hours Standby: Minutes Alarm: Backup Generator? Voice Evacuation?	No Yes	Total Alar Spare	rm Current	0.7310 equired		al Amp Hours Minimum B Spare B	Required for Battery Size No Battery Capaci	Alarm (AH) eeded (AH) ty Required	25%
	Hours Standby: Minutes Alarm: Backup Generator?	15 No	Total Alar Spare	rm Current	0.7310 equired		al Amp Hours Minimum B Spare B	Required for Battery Size No	Alarm (AH) eeded (AH) ty Required	25%

NAC Circuit Load, Voltage Drop & Battery Load Calculations

FIRE ALARM SYSTEM EQUIPMENT LEGEND									
SYMBOL	QTY	PART #	MANUFACTURER	DESCRIPTION	MOUNTING	BACK BOX			
BPS	1 EXISTING	PSN-106	POTTER	EXISTING BOOSTER POWER SUPPLY	MAX 66" AFF TO CENTER OF DOOR OF PANEL, MINIMUM 36" OPENING CLEARANCE BETWEEN MULTIPLE PANELS IN ROOMS	INCLUDED			
	3 NEW 1 RELOCATED	SCWL	SYSTEM SENSOR	STROBE - CEILING MOUNT - WHITE	CEILING-MOUNTED	SINGLE GANG			
(5)	1 RELOCATED	IDP-PHOTO-W W/B300-6 BASE	FARENHYT	ADDRESSABLE PHOTO ELECTRIC SMOKE DETECTOR W/BASE	CEILING MOUNTED; SEE PROJECT FIRE ALARM SYSTEM NOTE 7, THIS SHEET	4" SQUARE			

SYMBOL	DESCRIPTION	COLOR CODING	CIRCUIT APPLICATION	NOTES
(c)	18 AWG 4 CONDUCTOR BARE COPPER, TWISTED, NON-SHIELDED PLENUM FIRE ALARM, FPLR (UL)	WINDY CITY P/N 727308 RED JACKET w/ GRAY STRIPE	REMOTE ANNUNCIATOR OR TRIGGERS TO NETWORK PANELS TOGETHER	
B	14 AWG 2 CONDUCTOR BARE COPPER, TWISTED, NON-SHIELDED PLENUM FIRE ALARM, FPLP (UL)	WINDY CITY P/N 767963 RED JACKET w/ YELLOW STRIPE	NAC POWER CIRCUIT	
A	18 AWG 2 CONDUCTOR BARE COPPER, TWISTED, NON-SHIELDED PLENUM FIRE ALARM, FPLR (UL)	WINDY CITY P/N 727102 RED JACKET w/ BLUE STRIPE	DIGITAL DATA BUS (NFC-DA, RM, RPU)	

- 2- FPLP CAN BE USED IN MOST ALL APPLICATIONS WITH THE EXCLUSION OF WET AND CIRCUIT INTEGRITY REQUIREMENTS
- 3- INSTALL WIRING PER NEC. USE CABLE TYPE CONSISTENT WITH NEC REQUIREMENTS, IE: PLENUM, RISER, UNDERGROUND, ETC.
- 5- THIS CABLE MUST BE INSTALLED IN A CONTINUOUS PATH POINT-TO-POINT. ABSOLUTLEY NO SPLICES ARE ALLOWED.

6- THIS IS A SPECIFIC CABLE, NO ALTERNATES ARE ALLOWED

MAXIMUM CHARGER CAPACITY IS: 55AH

861 Industry Drive Tukwila, WA 98188

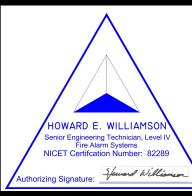
206-575-1962

CLINIC MULTICARE GSMOB WOMEN'S KBE ELECTRIC CO INC. 1450 5TH ST SE, PUYALLUP, WA 98372

BPS #1

Total AH Rated Batteries Supplied: = 7.0

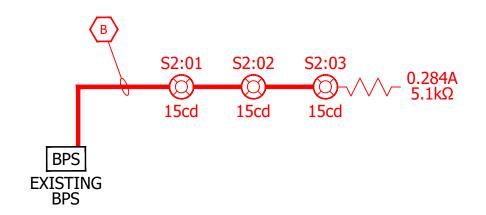
Rev. Date



DRAWING TITLE **COVER SHEET**

302744-2196 Project No.

FA0.00 - SHT. 1 OF 3



SCOPE OF WORK:

1. UPDATE FIRE ALARM SYSTEM FOR TENANT IMPROVEMENT TO ACCOMMODATE NEW FLOOR PLAN.

GENERAL NOTES:

1. DEVICES SHOWN IN BLACK ARE EXISTING; DEVICES SHOWN IN RED OR BLUE ARE NEW; DEVICES SHOWN IN ORANGE ARE RELOCATED; ALL DEVICES SHOWN ARE INTEGRATED INTO EXISTING FIRE ALARM SYSTEM.



Froula Alarm Systems, Inc 861 Industry Drive Tukwila, WA 98188

206-575-1962

MULTICARE GSMOB WOMEN'S CLINIC TI PHASE KBE ELECTRIC CO INC.
1450 5TH ST SE, PUYALLUP, WA 98372

Rev. Date SSUED FOR SUBMITTAL

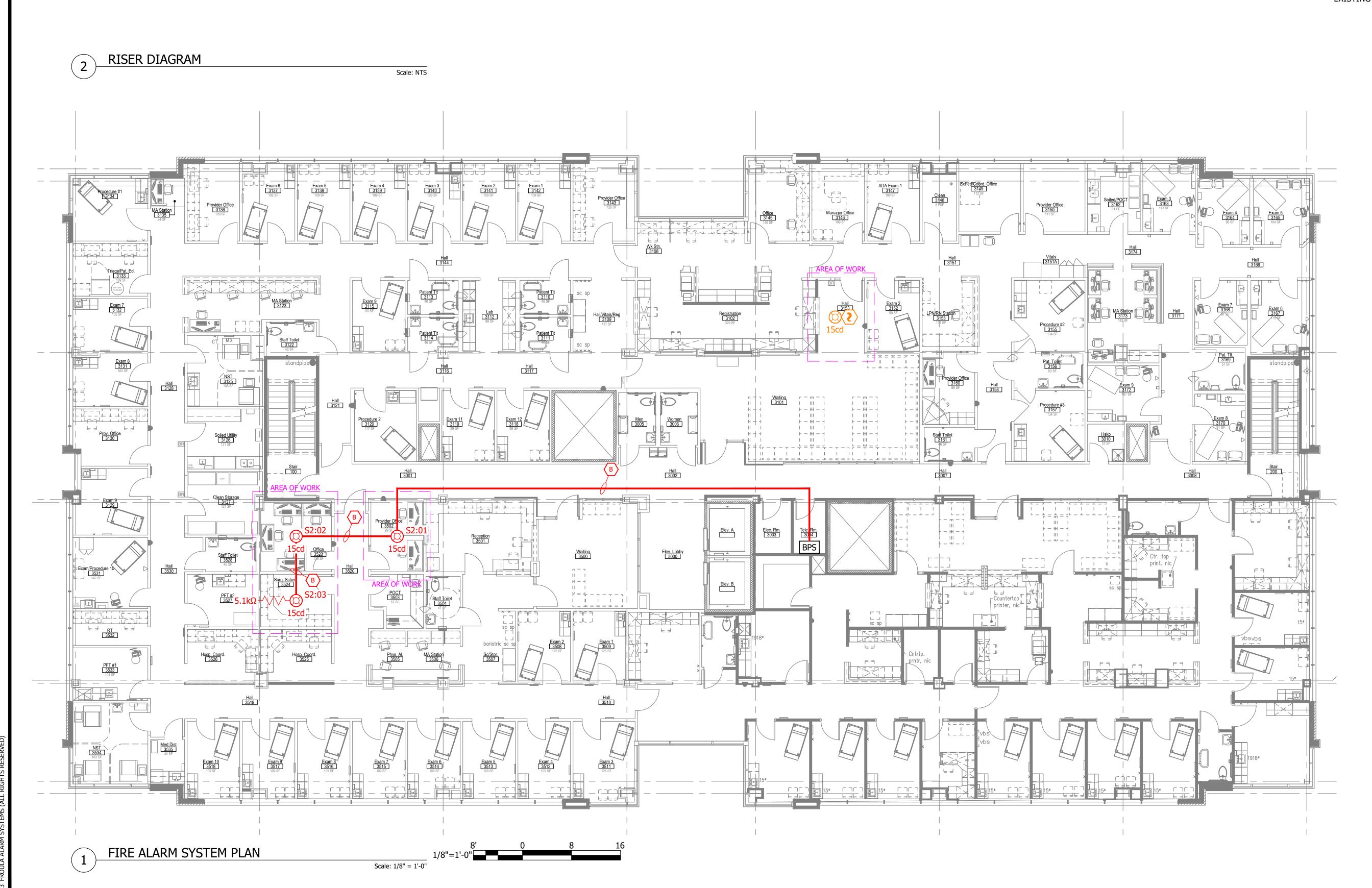
HOWARD E. WILLIAMSON

rizing Signature: Spaward Williamson DRAWING TITLE FIRE ALARM

SYSTEM PLAN

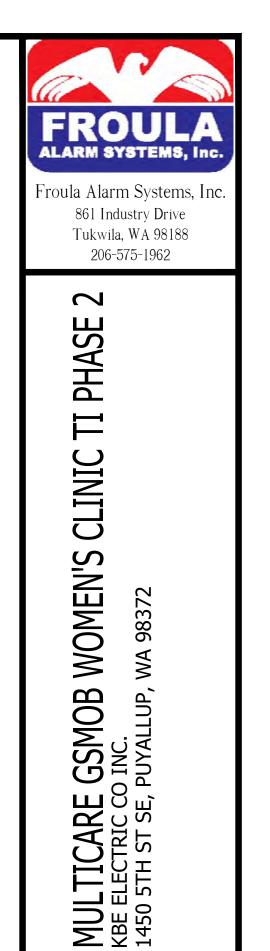
302744-2196 Project No.

FA2.01 - SHT. 2 OF 3 Drawing No.



Development & Permitting Services ISSUED PERMIT Building Engineering **Public Works** Traffic Fire

City of Puyallup



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SUED FOR SUBMITTAL	_ 1	8/18/23

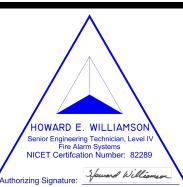
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Engineering

Planning

Public Works

Traffic



DRAWING TITLE TYPICAL DEVICE MOUNTING REQUIREMENTS

302744-2196 Project No.

FA3.01 - SHT. 3 OF 3 Drawing No.

