

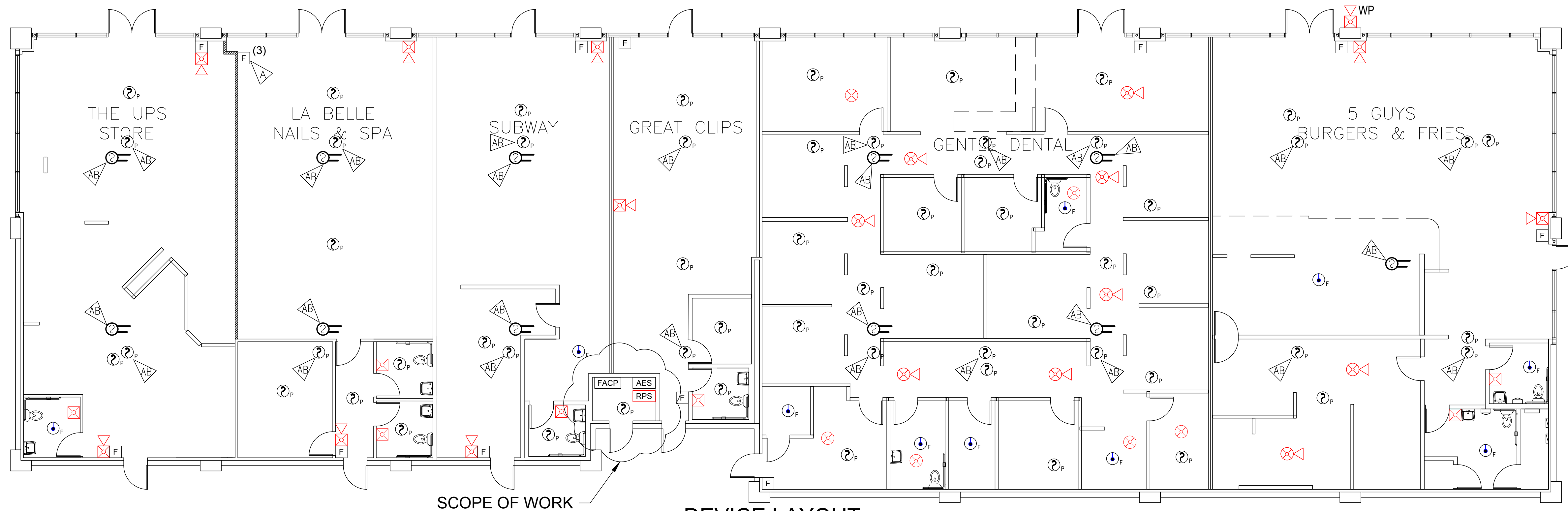
1 FIRE SPRINKLER ROOM
SCALE: 1/2"=1'

Global Project Values:		Standby Hours: 24								
Project Name: PUYALLUP RIVER ROAD		Alarm Mins: 5								
Project ID: 05165L		Derating Factor: 1.2								
Prepared By: JOE SHELDON		Voltage Drop Warning Threshold %: 1%								
Date: 4/15/23										
Panel ID: SK-5208	Model: SK-5208 Fire Alarm Control Panel	Max NAC Current: 3.0 Amps								
Location: FIRE CONTROL ROOM	Volts: 24 VDC	Max Panel Current: 6.0 Amps								
Ckt.#	Circuit Name	Qty	Current Draw	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop	
SK-5208	SK-5208 Main Control	1	0.140						0.550	
SK-5217	SK-5217 Zone Expdr		0.000						0.000	
SK-5235	SK-5235 LCD Remote		0.000						0.000	
SK-5280	SK-5280 Display Mod		0.000						0.000	
SK-5220	SK-5220 Dir Con Mod		0.000						0.000	
SK-7181	SK-7181 Zn Chvtr		0.000						0.000	
IDC-1	Initiating Device Ckt 1		0.000						NA**	
IDC-2	Initiating Device Ckt 2		0.001						NA**	
IDC-3	Initiating Device Ckt 3		0.000						NA**	
IDC-4	Initiating Device Ckt 4		0.000						NA**	
IDC-5	Initiating Device Ckt 5		0.000						NA**	
IDC-6	Initiating Device Ckt 6		0.000						NA**	
IDC-7	Initiating Device Ckt 7		0.000						NA**	
IDC-8	Initiating Device Ckt 8		0.000						NA**	
IDC-9	Initiating Device Ckt 9		0.000						NA**	
IDC-10	Initiating Device Ckt 10		0.000						NA**	
IDC-11	Inactive, Add SK-5217		0.000						NA**	
IDC-12	Inactive, Add SK-5217		0.000						NA**	
IDC-13	Inactive, Add SK-5217		0.000						NA**	
IDC-14	Inactive, Add SK-5217		0.000						NA**	
IDC-15	Inactive, Add SK-5217		0.000						NA**	
IDC-16	Inactive, Add SK-5217		0.000						NA**	
IDC-17	Inactive, Add SK-5217		0.000						NA**	
IDC-18	Inactive, Add SK-5217		0.000						NA**	
IDC-19	Inactive, Add SK-5217		0.000						NA**	
IDC-20	Inactive, Add SK-5217		0.000						NA**	
IDC-21	Inactive, Add SK-5217		0.000						NA**	
IDC-22	Inactive, Add SK-5217		0.000						NA**	
IDC-23	Inactive, Add SK-5217		0.000						NA**	
IDC-24	Inactive, Add SK-5217		0.000						NA**	
IDC-25	Inactive, Add SK-5217		0.000						NA**	
IDC-26	Inactive, Add SK-5217		0.000						NA**	
IDC-27	Inactive, Add SK-5217		0.000						NA**	
IDC-28	Inactive, Add SK-5217		0.000						NA**	
IDC-29	Inactive, Add SK-5217		0.000						NA**	
IDC-30	Inactive, Add SK-5217		0.000						NA**	
NAC-1	Notification Appl Ckt 1		0.002	0.201	#14 Solid	2.52	2	0.01	20.40	0.01%
NAC-2	Notification Appl Ckt 2		0.000	0.000	#14 Solid	2.52	0	0.00	20.40	0.00%
NAC-3	Notification Appl Ckt 3		0.000	0.000	#14 Solid	2.52	0	0.00	20.40	0.00%
NAC-4	Notification Appl Ckt 4		0.000	0.000	#14 Solid	2.52	0	0.00	20.40	0.00%
Aux	Aux Power Out		0.000	0.000	#14 Solid	2.52		0.00	20.40	0.00%
Total Standby Current (Amps)			0.144	0.751	Total Alarm Current (Amps)					
Standby Time In Hours			24	0.063	Alarm Time In Minutes / 60 (5 Mins)					
Total Standby AH Required			3.451	0.063	Total Alarm AH Required					
Total Combined AH Required			3.51			Command Shortcuts				
Multiply By The Derating Factor			1.20							
Minimum Battery Amphours Required			4.22							

LEGEND	
[FACP]	FIRE ALARM VOICE EVACUATION CONTROL PANEL
[RPS]	NOTIFICATION POWER SUPPLY (EXISTING)
[F]	CONVENTIONAL FIRE ALARM PULL STATION (EXISTING)
[?]	CONVENTIONAL SMOKE DETECTOR (EXISTING)
[H]	CONVENTIONAL HEAT DETECTOR (EXISTING)
[D]	CONVENTIONAL DUCT DETECTOR (EXISTING)
[H/W]	HORN/STROBES(CEILING MOUNT) (EXISTING)
[H/W]	STROBES(CEILING MOUNT) (EXISTING)
[H/W]	STROBES(WALL MOUNT) (EXISTING)
[H/W]	HORN/STROBES(WALL MOUNT) (EXISTING)

FLAG DESCRIPTIONS	
FLAG SYMBOL	DESCRIPTION
[A]	DEVICE TO BE ADDED
[AB]	DEVICE IS LOCATED ABOVE CEILING
[D]	DEVICE TO BE REMOVED
[E]	EXISTING DEVICE
[M]	EXISTING MEZZANINE DEVICE
[R]	DEVICE TO BE REPLACED

- NOTES**
- (1) ALL INITIATING AND NOTIFICATION DEVICES ARE EXISTING AND WILL REMAIN AS IS.
 - (2) EXISTING CIRCUIT INTEGRITY SHALL BE MAINTAINED.
 - (3) THE NEW PULL STATION IN THE LE BELLE NAIL & SPA SUITE WILL BE LOCATED ON THE WEST WALL CLOSEST TO THE FRONT DOORS. THE EXTERIOR WALL IS ALL GLASS.



DEVICE LAYOUT
SCALE: 1/8"=1'

NO.	BY	DATE	REVISION DESCRIPTION	
			DATE	DESCRIPTION
0	J.S.	4/15/23		SUBMITTAL DRAWINGS

CONTRACT NAME:
PUYALLUP RIVER ROAD RETAIL
1002 N. MERIDIAN ST.
PUYALLUP, WA 98371

CONTRACT WITH:
PUYALLUP RIVER ROAD ASSOCIATES LLC
1002 N. MERIDIAN ST.
PUYALLUP, WA 98371
ON-SITE CONTACT: TIM RUSSELL (206)409-1027

DRAWN BY: JOE SHELDON
DATE: 4/15/23

DESIGNED BY: JOE SHELDON
DATE: 4/15/23

APPROVED BY: MIKE REGAN
DATE: 4/18/23

NICET STAMP
Michael Regan, ET
Michael Regan
NICET Level III Fire Alarm
Technician ID: 144327
Expires: 03/01/2026

PROJECT NUMBER:
05165L

SHEET TITLE:
DEVICE LAYOUT &
BATTERY CALCULATIONS
SHEET NUMBER: