

FIRE ALARM LEGEND					
NEW	EXIST	SYMBOL	DESCRIPTION	MANUFACTURER	PART #
0	1	[FACP]	ADDRESSABLE FIRE ALARM CONTROL PANEL	FARENHYT	IFP-2100ECS
0	1	[LOC]	LOCAL OPERATING CONSOLE	FARENHYT	ECS-LOC
1	4	[BPS5]	INTELLIGENT REMOTE POWER SUPPLY	FARENHYT	RPS-1000
0	3	[BPS17]	INTELLIGENT BOOSTER POWER SUPPLY	SILENT KNIGHT	5496
0	1	[BPS17]	CONVENTIONAL BOOSTER POWER SUPPLY	HONEYWELL	HPP-PS-6
0	1	[AMPX]	125 WATT AMPLIFIER	FARENHYT	ECS-125W
20	535	[2]	ADDRESSABLE SMOKE DETECTOR	FARENHYT	IDP-PHOTO-W W/BS300-6 BASE
0	2	[2] R	ADDRESSABLE SMOKE DETECTOR WITH RELAY BASE	FARENHYT	IDP-PHOTO-W W/SSB224RB BASE
20	157	[2] AC	ADDRESSABLE SMOKE DETECTOR - ABOVE CEILING	FARENHYT	IDP-PHOTO-W W/BS300-6 BASE
0	4	[H]	ADDRESSABLE HEAT DETECTOR	FARENHYT	IDP-HEAT-W W/BS300-6 BASE
0	9	[F]	ADDRESSABLE MANUAL PULL STATION	FARENHYT	IDP-PULL-SA
0	22	[MON]	ADDRESSABLE INPUT MODULE	FARENHYT	IDP-MONITOR
0	2	[R]	ADDRESSABLE RELAY MODULE	FARENHYT	IDP-RELAY
0	25	[D]	ADDRESSABLE DUCT DETECTOR	FARENHYT	DNR
0	213	[X]	STROBE - WALL MOUNT X - INDICATES DEVICE ORIENTATION SETTING	SYSTEM SENSOR	SRL
0	79	[X]	STROBE - CEILING MOUNT X - INDICATES DEVICE ORIENTATION SETTING	SYSTEM SENSOR	SCWL
14	0	[X]	STROBE - CEILING MOUNT X - INDICATES DEVICE ORIENTATION SETTING	SYSTEM SENSOR	SCWLED
0	1	[X]	WEATHERPROOF HORN/STROBE	SYSTEM SENSOR	P2RK W/BACK BOX
0	102	[X]	SPEAKER/STROBE - WALL MOUNT X - INDICATES MOUNTING SETTING / X - INDICATES DEVICE ORIENTATION SETTING	SYSTEM SENSOR	SPSWH
0	51	[X]	SPEAKER/STROBE - CEILING MOUNT X - INDICATES MOUNTING SETTING / X - INDICATES DEVICE ORIENTATION SETTING	SYSTEM SENSOR	SPSCWL
5	0	[X]	SPEAKER/STROBE - CEILING MOUNT X - INDICATES MOUNTING SETTING / X - INDICATES DEVICE ORIENTATION SETTING	SYSTEM SENSOR	SPSCWLED
0	6	[W]	WET WATER FLOW SWITCH	BY OTHERS	BY OTHERS
0	8	[TS]	TAMPER SWITCH	BY OTHERS	BY OTHERS
0	1	[PS]	DRY WATER FLOW SWITCH	BY OTHERS	BY OTHERS
0	1	[H/L]	HI/LO PRESSURE SWITCH	BY OTHERS	BY OTHERS
0	1	[PIV]	POST INDICATOR VALVE - WALL MOUNT	BY OTHERS	BY OTHERS
0	1	[ST]	STANDPIPE	BY OTHERS	BY OTHERS
			EOL		

SCOPE OF WORK:
INSTALL 1EA BOOSTER POWER SUPPLY, 40EA SMOKE DETECTORS, 14EA STROBES, 5EA SPEAKER/STROBES TO THE EXISTING FIRE ALARM CONTROL SYSTEM FOR THIS TENANT IMPROVEMENT

AREA OF RESCUE					
NEW	EXIST	SYMBOL	DESCRIPTION	MANUFACTURER	PART #
0	1	[ARCP]	AREA OF RESCUE MASTER PANEL	CORNELL	A-4208

CODE REFERENCE:
NFPA 2019 / IFC 2021

Multicare GSMOB Notifier HPP-P56 BPS17 Booster Power Supply					
Current Load:		Standby:		Alarm:	
Device Type	Quantity	Amps	Total	Amps	Total
Main System Board	1	0.139	0.139	1.0314	1.0314
SRL Wall Strobe 15cld	8			0.043	0.3440
SCRL Ceiling Strobe 15cld	10			0.041	0.4100
SPSR (15) Wall Spkr/Stb	4			0.066	0.2640
SPSCWL (15) Ceiling Spkr/Stb	3			0.041	0.1230
Total Panel Loads:			0.139/Amps		2.172/Amps
Standby Current Load:		0.139/Amps	For 24 Hours =	3.336/Amp-hours	
Alarm Current Load:		2.172/Amps	For 5 Minutes =	0.182/Amp-hours	
			20% Derating =	4.222/Amp-hours	
Total System Current Load:				4.222/Amp-hours	
Battery Pair to be Used:		12VDC	Amp-hours	8AH	

Multicare GSMOB Silent Knight 5496 BPS18 Distributed Power Module Battery Load Calculations					
Current Load:		Standby:		Alarm:	
Device Type	Qty	Amps	Total	Amps	Total
Main System Board	1	0.04	0.04	0.160	0.160
SRL Wall Strobe 15cld	31			0.043	1.3330
SPSR (15) Wall Spkr/Stb	8			0.066	0.5280
SPSR (30) Wall Spkr/Stb	2			0.094	0.1880
SPSR (75) Wall Spkr/Stb	2			0.158	0.7600
SPSR (110) Wall Spkr/Stb	2			0.202	0.4040
P2RK Weatherproof Horn/Strobe 110cld	1			0.212	0.212
Total Panel Loads			0.04/Amps		3.615/Amps
Standby Current Load:		0.04/Amps	For 24 Hours =	0.960/Amp-hours	
Alarm Current Load:		3.615/Amps	For 5 Minutes =	0.304/Amp-hours	
			20% Derating =	1.516/Amp-hours	
Total System Current Load:				1.516/Amp-hours	
Battery Pair to be Used:		12VDC	Amp-hours	8AH	

Multicare GSMOB Silent Knight EVAC EVS-125 Audio Amplifier					
Current Load:		Standby:		Alarm:	
Device Type	Quantity	Amps	Total	Amps	Total
Main System Board - 25 Volt	1	0.375	0.375	0.700	0.700
EVAC-CE4 4 Zone Expander	1	0.020	0.020	0.180	0.180
Total Watts	78.5			0.040	3.140
Total Panel Loads:			0.395/Amps		4.020/Amps
Standby Current Load:		0.395/Amps	For 24 Hours =	9.480/Amp-hours	
Alarm Current Load:		4.020/Amps	For 15 Minutes =	1.005/Amp-hours	
			20% Derating =	12.582/Amp-hours	
Total System Current Load:				12.582/Amp-hours	
Battery Pair to be Used:		12VDC	Amp-hours	18AH	

Multicare GSMOB RPS-1000 RPS7 Intelligent Power Supply					
Current Load:		Standby:		Alarm:	
Device Type	Quantity	Amps	Total	Amps	Total
Main System Board	1	0.040	0.040	0.160	0.160
6815XLC SLC Loop Expander	2	0.078	0.156	0.078	0.156
IDP Photo	40	0.0003	0.012	0.0065	0.260
SCRLD Ceiling Stb (15)	13			0.018	0.2340
SCRLD Ceiling Stb (30)	1			0.022	0.0220
SPSCRLED Ceiling Speaker/Strobe (15)	4			0.018	0.0720
SPSCRLED Ceiling Speaker/Strobe (30)	1			0.022	0.0220
Total Panel Loads:			0.208/Amps		0.928/Amps
Standby Current Load:		0.208/Amps	For 60 Hours =	12.480/Amp-hours	
Alarm Current Load:		0.928/Amps	For 15 Minutes =	0.232/Amp-hours	
			25% Derating =	15.889/Amp-hours	
Total System Current Load:				15.889/Amp-hours	
Battery Pair to be Used:		12VDC	Amp-hours	18AH	

CHANGES THIS SUBMITTAL

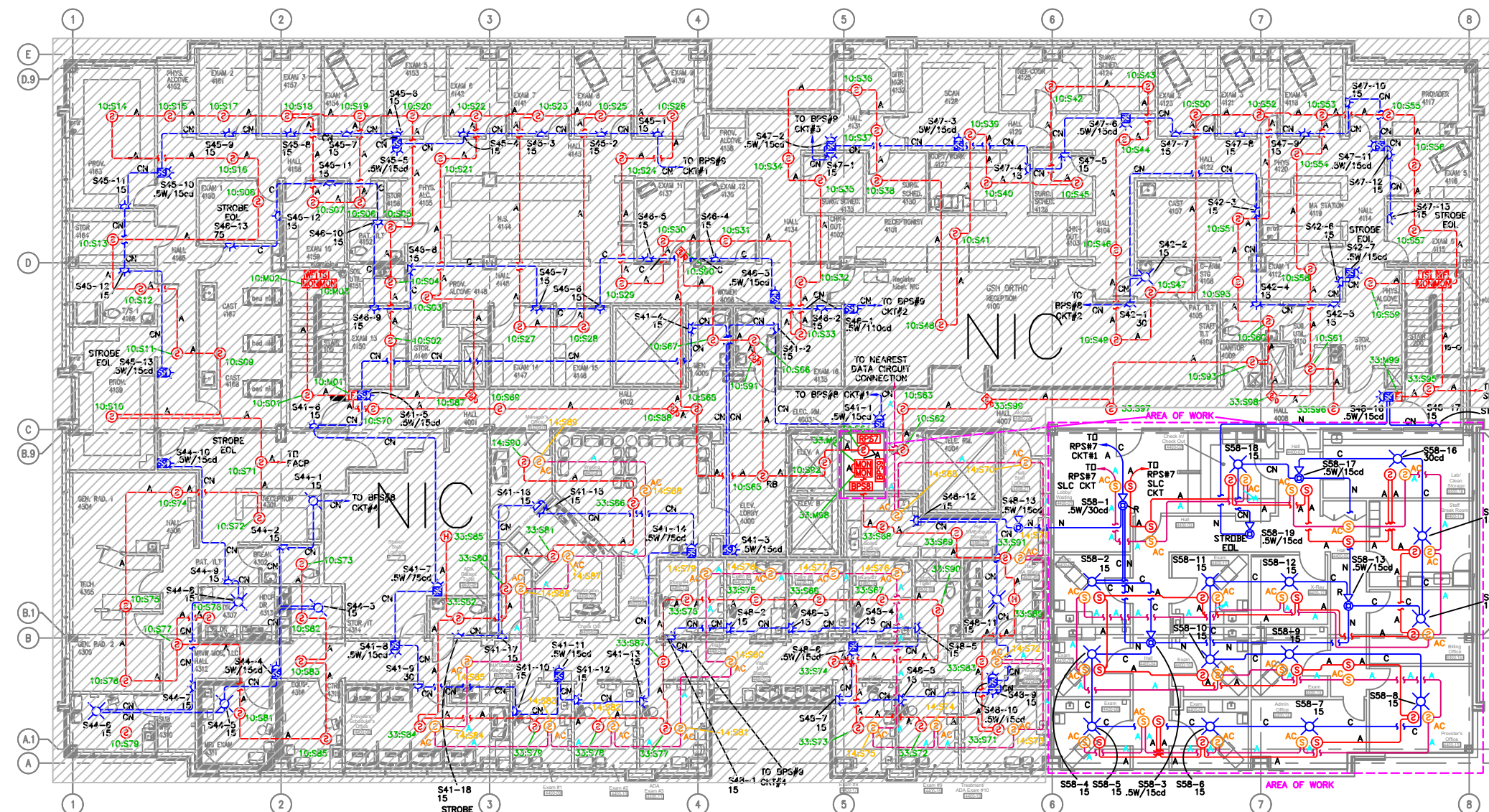
Voltage Drop Chart GSMOB					
Panel	Circuit	Area	Total Wire Length	Amps	Voltage Drop
FACP	S1	Garage East & West	1046	0.599	1.999
FACP	S2	Garage Center West	344	0.948	1.040
FACP	S3	Garage Center East	398	0.948	1.198
FACP	S4	1st Fl SW	240	0.476	0.364
FACP	S5	1st Fl NW	428	0.562	0.767
FACP	S6	1st Fl South Center West	444	0.719	1.018
FACP	S7	Spine	0	0.000	0.000
FACP	S8	Spine	0	0.000	0.000
RPS #1	S9	3rd Fl Center	690	0.347	0.764
RPS #1	S10	3rd Fl NW	370	0.605	0.714
RPS #1	S11	3rd Fl SE	264	0.499	0.420
RPS #1	S12	3rd Fl NW	316	0.570	0.575
RPS #1	S13	Spine	0	0.000	0.000
RPS #1	S14	Spine	0	0.000	0.000
RPS #1	S15	Spine	0	0.000	0.000
RPS #1	S16	Spine	0	0.000	0.000
RPS #4	S17	1st Fl South Center	410	0.457	0.598
RPS #4	S18	1st Fl NE	510	0.533	0.967
RPS #4	S19	1st Fl NW	364	0.585	0.717
RPS #4	S20	1st Fl Center East	610	0.661	1.286
RPS #4	S21	1st Fl Center East	584	0.586	1.092
RPS #4	S22	1st Fl SE	366	0.676	0.789
RPS #4	S23	Spine	0	0.000	0.000
RPS #4	S24	Spine	0	0.000	0.000
RPS #5	S25	2nd Fl SW	864	0.943	2.599
RPS #5	S26	2nd Fl South Center	412	0.492	0.647
RPS #5	S27	2nd Fl South Center	260	0.369	0.306
RPS #5	S28	2nd Fl SE	430	0.574	0.787
RPS #5	S29	Spine	0	0.000	0.000
RPS #5	S30	Spine	0	0.000	0.000
RPS #5	S31	Spine	0	0.000	0.000
RPS #5	S32	Spine	0	0.000	0.000
RPS #5	S33	Spine	0	0.000	0.000
RPS #6	S34	Spine	0	0.000	0.000
RPS #6	S35	3rd Fl West	604	0.714	1.376
RPS #6	S36	3rd Fl South	444	0.845	1.197
RPS #6	S37	Spine	0	0.000	0.000
RPS #6	S38	3rd Fl SE	268	0.583	0.498
RPS #6	S39	Spine	0	0.000	0.000
RPS #6	S40	Spine	0	0.000	0.000
RPS #6	S41	4th Fl South Center	760	1.047	2.538
RPS #6	S42	4th Fl NE	284	0.342	0.310
RPS #6	S43	3rd Fl North Center	454	0.714	1.034
RPS #6	S44	4th Fl SW	450	0.466	0.669
RPS #6	S45	4th Fl NW	620	0.620	0.801
RPS #6	S46	4th Fl Center	340	0.741	0.804
RPS #6	S47	4th Fl NE	336	0.651	0.688
RPS #6	S48	4th Fl SE	564	1.026	1.846
RPS #17	S49	3rd Fl NE	494	0.533	0.840
RPS #17	S50	3rd Fl SW	268	0.608	0.520
RPS #17	S51	Spine	0	0.000	0.000
RPS #17	S52	Spine	0	0.000	0.000
RPS #17	S53	Spine	0	0.000	0.000
RPS #18	S54	2nd Fl North Center West	364	0.826	0.959
RPS #18	S55	2nd Fl NW	850	1.604	4.349
RPS #18	S56	2nd Fl NE	420	0.626	0.982
RPS #18	S57	2nd Fl North Center East	290	0.767	0.710
RPS #7	S58	4th Floor Ste 4200 Foot & Ankle Tenant Improvement	704	0.350	0.786
RPS #7	S59	Spine	0	0.000	0.000
RPS #7	S60	Spine	0	0.000	0.000
RPS #7	S61	Spine	0	0.000	0.000
RPS #7	S62	Spine	0	0.000	0.000
RPS #7	S63	Spine	0	0.000	0.000

CHANGES THIS SUBMITTAL

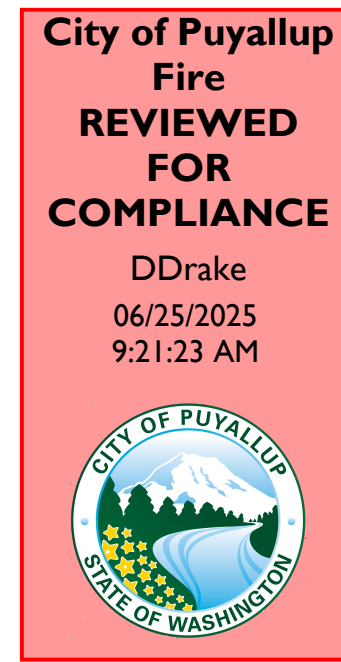
SEQUENCE OF OPERATIONS

ACTIVATION OF LOCAL ALARM AT FACP
INDICATION OF ALARM AT LCO ANNUNCIATOR
ACTIVATE ALL AUDIBLE & VISIBLE DEVICES
SHUT DOWN RESPECTIVE HVAC UNIT
INITIATE ELEV. RECALL TO MAIN FLOOR
INITIATE ELEV. RECALL TO ALTERNATE FLOOR
TRANSMIT ALARM SIGNAL TO CENTRAL STATION
TROUBLE/SUPV. INDICATION AT FACP
TROUBLE/SUPV. INDICATION AT LCO ANNUNCIATOR
TRANSMIT TROUBLE/SUPV. SIGNAL TO CENTRAL STATION

WIRE LEGEND		
A = 18-2 FPLR	ADDRESSABLE INITIATING CKT	
B = 18-2 X 2 FPLR	ADDRESSABLE INITIATING CKT LOOP	
B' = 18-2 X 2 FPLP	ADDRESSABLE INITIATING CKT LOOP	
C = 14-2 FPLR	INDICATING CKT	
C' = 14-2 FPLP	INDICATING CKT	
D = 14-2 X 2 FPLR	INDICATING CKT LOOP	
E = 18-2 FPLR	CONVENTIONAL INITIATING CKT	
F = 18-2 X 2 FPLR	CONVENTIONAL INITIATING CKT LOOP	
G = 14-2 FPLR	24VDC POWER CKT	
H = 18-4 FPLR	SBUS CKT	
I =		
J = 18-4 FPLR	ANNUNCIATOR CKT	
K =		
L = 18-4 FPLR	REMOTE TEST STATION CKT	
M = 14/2 FPLP	SPEAKER CKT	
N = 14/2 X 2 FPLP	SPEAKER CKT LOOP	



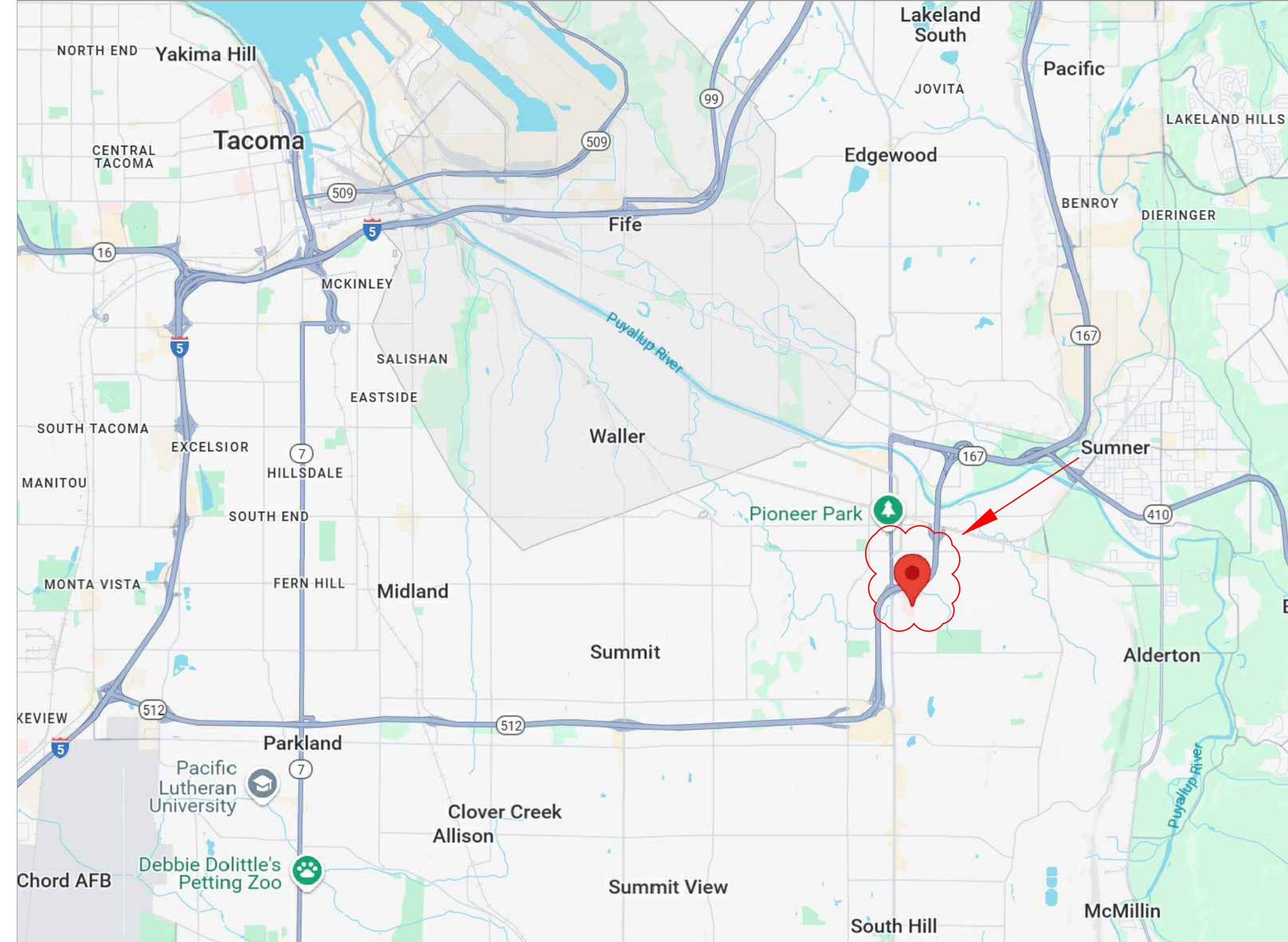
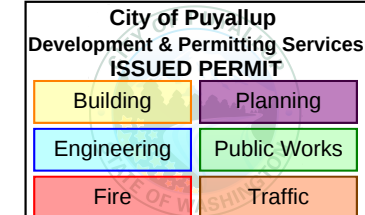
SITE PLAN
SCALE: NTS



CITY OF PUYALLUP
FIRE DEPARTMENT
REVIEWED FOR COMPLIANCE
DDrake
06/25/2025
9:21:23 AM

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.

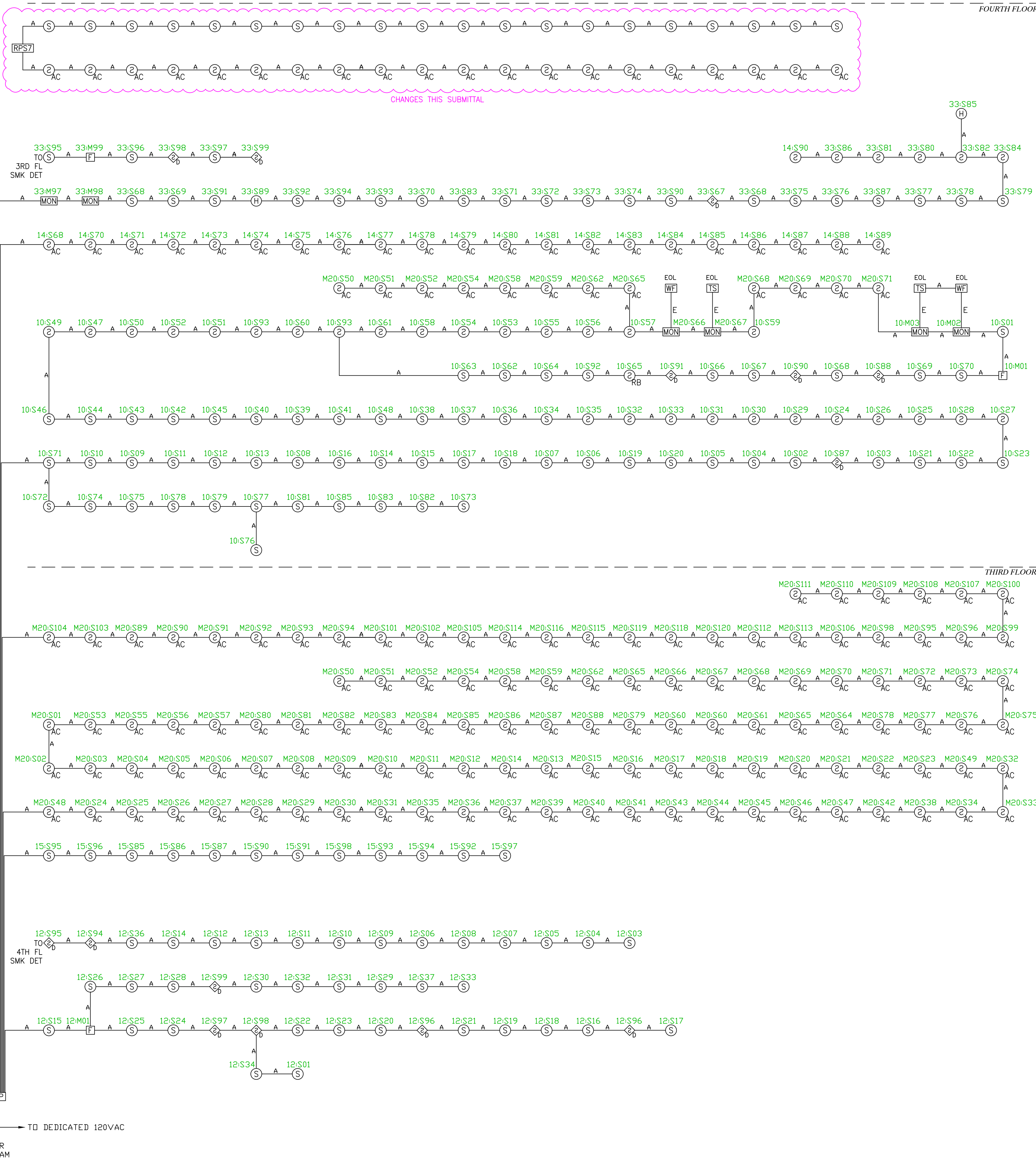
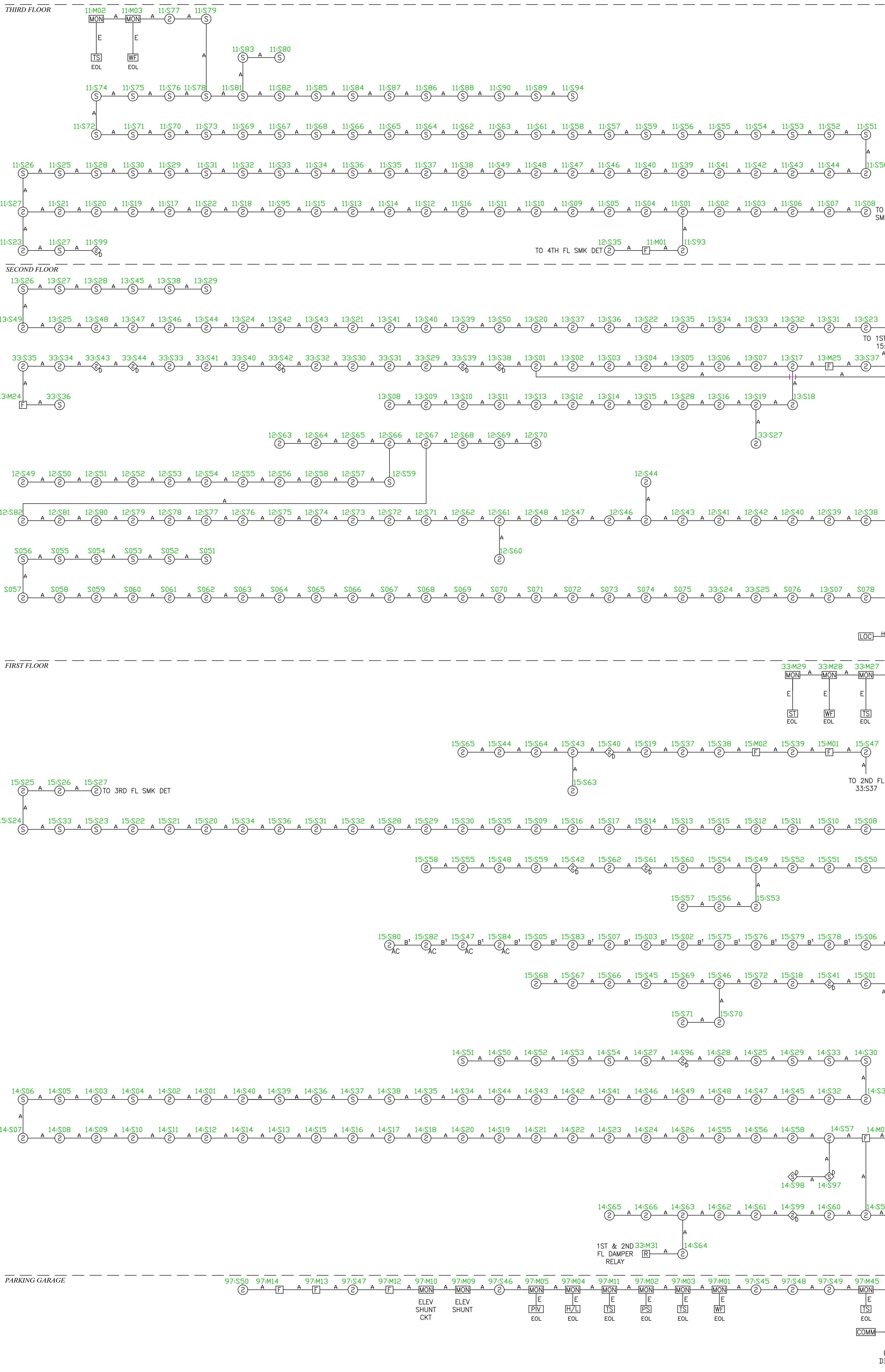


SITE MAP
SCALE: NTS



FIRE ALARM SYSTEM
MULTICARE GSMOB
SUITE 4200 ANKLE & FOOT CLINIC TENANT IMPROVEMENT
1450 - 5TH STREET SE
PUYALLUP, WASHINGTON 98372

REVISIONS		DESCRIPTION
REV	DATE	PERMIT DRAWINGS
	5/2/25	
PROJ. MGR.: Andrew Earle DRAFTER: HEW		
FA-1 SHEET NO. 1 OF 4		



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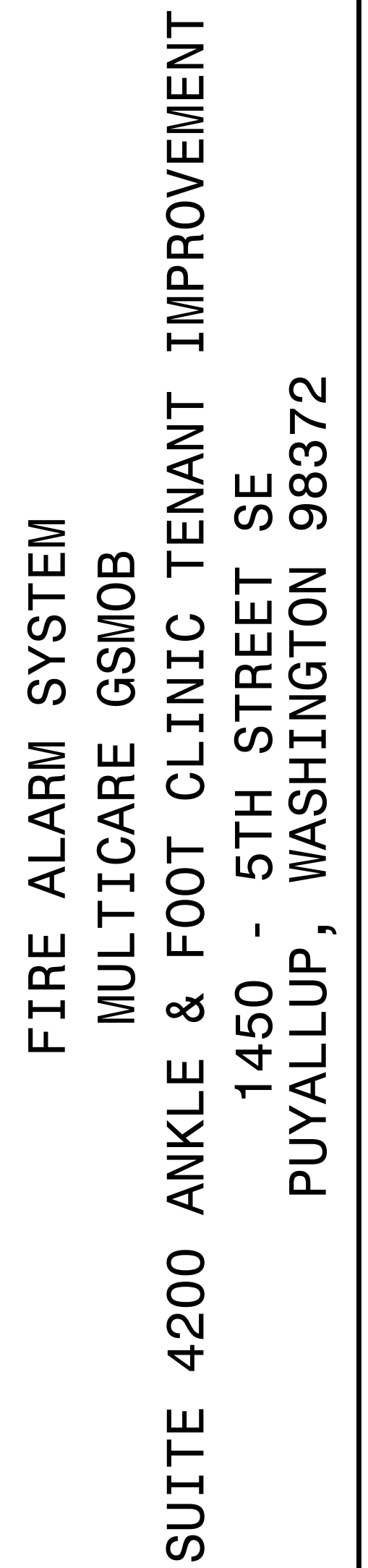
FIRE ALARM SYSTEM
MULTICARE GSMOB
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1450 - 5TH STREET SE
PUYALLUP, WASHINGTON 98372

REVISIONS		DESCRIPTION
REV	DATE	PERMIT DRAWINGS
	5/21/25	

PROJ. MGR.: Andrew Earle
 DRAFTER: HEW

FA - 3
 SHEET NO.
 3 OF 4





REVISIONS		
REV	DATE	DESCRIPTION
	5/21/25	PERMIT DRAWINGS

PROJ. MGR.: Andrew Earle
DRAFTER: HEW