GENERAL PLUMBING NOTES

- 1. ALL PIPING AND PLUMBING PER 2018 UPC.
- 2. FIELD VERIFY ALL PLUMBING MATERIAL/EQUIPMENT LOCATIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY WORK AND REPORT ALL DISCREPANCIES TO THE GENERAL CONTRACTOR.

3. THESE PLANS ARE SCHEMATIC AND DO NOT INDICATE EVERY OFFSET REQUIRED FOR ROUTING. IT SHALL BE THE P.C.'S RESPONSIBILITY TO COORDINATE PIPE ROUTING AND ELEVATIONS WITH OTHER AFFECTED TRADES BEFORE CONSTRUCTION. WHERE CONFLICTS OCCUR, REROUTING MAY BE NECESSARY.

- 4. COORDINATE PLUMBING INSTALLATION WITH HVAC MECHANICAL, FIRE PROTECTION, AND THE ELECTRICAL CONTRACTOR. 5. PLUMBING CONTRACTOR TO COORDINATE LINE VOLTAGE POWER CONNECTIONS WITH THE E.C. FOR EQUIPMENT WITHIN THE PLUMBING CONTRACTORS SCOPE.
- 6. FIELD COORDINATE FOOTING, FLOOR AND WALL SLEEVES WHERE NECESSARY
- 7. ALL PIPE SIZING NOTED ON THE DRAWINGS ARE MINIMUM.
- 8. PROVIDE CLEANOUTS ON SANITARY SEWER SYSTEM AS REQUIRED BY 2018 UPC. 9. ALL FIRE STOPPING OF THROUGH AND MEMBRANE PENETRATION AS REQUIRED BY THE UPC SHALL BE PROVIDED AND INSTALLED BY THE P.C.

10. SLOPE 3" AND SMALLER WASTE PIPING AT 2% PER FOOT MINIMUM. SLOPE 4" AND LARGER WASTE PIPING AT 1% PER FOOT MINIMUM 11. PIPE INSULATION TO BE PROVIDED ON ALL HOT WATER PIPING PER THE WSEC, AS INDICATED IN THE PIPE INSULATION SCHEDULE BELOW. METALLIC COLD WATER PIPING, AND PIPES SUBJECT TO SWEATING, SHALL BE INSULATED AT A MINIMUM OF 1/2" FOR CONDENSATION CONTROL.

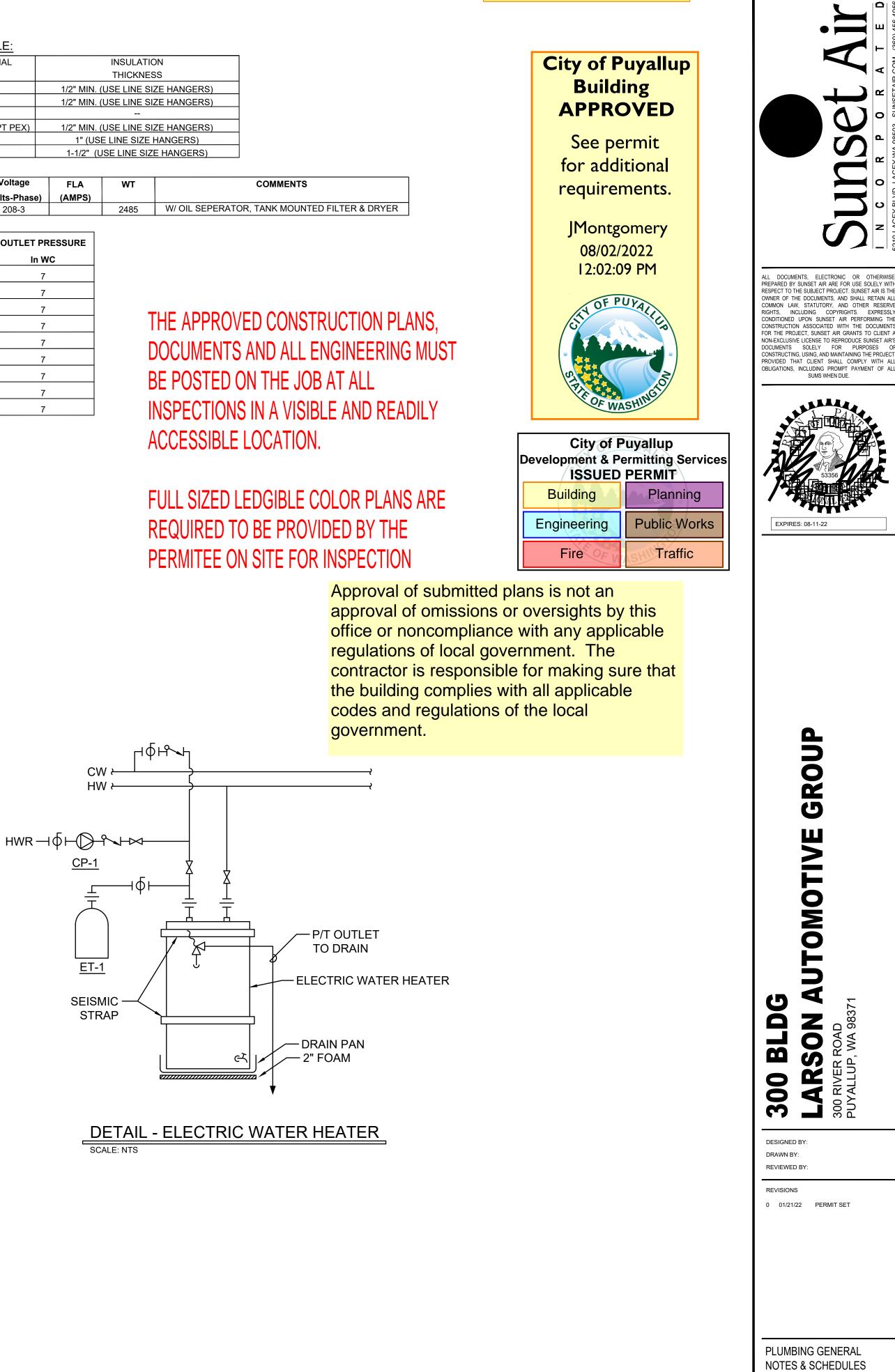
- TRAPS AND FIXTURE PIPING BELOW ADA LAVATORIES SHALL BE ISOLATED WITH 1" INSULATION AND SHIELDS. ^{12.} HANGERS AND SUPPORTS SHALL BE PER MSS SP-69. PROVIDE LINE-SIZE HANGERS FOR ALL INSULATED SERVICES EXCEPT CHILLED WATER
- (LINE-SIZE HANGERS DO NOT REQUIRE SHIELDS OR RIGID INSERTS. THE INSULATION IS EXTENDED OVER THE HANGERS). CHILLED WATER SERVICE TO RECEIVE OVERSIZED HANGERS WITH SHIELDS AND RIGID INSERTS. 13. G.C. TO PROVIDE AND INSTALL ACCESS PANELS WHERE NECESSARY FOR ACCESS TO ISOLATION VALVES, CLEANOUTS AND ELECTRONIC
- FIXTURE CONTROLLERS. P.C. TO COORDINATE LOCATIONS WITH G.C.

- 14. P.C. TO PROVIDE ACCESSIBLE SHUTOFFS FOR ALL DOMESTIC HOT AND COLD WATER LINES SERVING FIXTURES. 15. PROVIDE AND SIZE VENTS PER UPC. COMBINE VENTS AND COORDINATE ROOF PENETRATIONS WITH G.C. PRIOR TO INSTALLATION. ALL ROOF PENETRATIONS REQUIRE FLASHING.
- 16. ALL FLOOR DRAINS REQUIRE TRAP PRIMERS UNLESS OTHERWISE NOTED. SIZE AND INSTALL PER INDUSTRY STANDARDS.
- 17. P.C. SHALL PROVIDE MARKUP OF DEVIATIONS FROM CONTRACT DWGS FOR INCORPORATION IN AS-BUILT SET ON FULL SIZE DRAWINGS. 18. P.C. SHALL PROVIDE FULL PLUMBING SUBMITTAL PACKAGE TO SUNSET AIR FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- 19. LABEL ALL PIPING AND DIRECTION OF FLOW.

20. P.C. SHALL INSTALL UNDERGROUND WASTE, WATER AND DRAINS TO A POINT 5-FEET PAST THE BUILDING FOUNDATION. CONNECTION TO SITE UNDERGROUND UTILITIES SHALL BE BY OTHERS.

PIPING		LOCATION	DN MATERIAL		JOINT			PRESSURE REGULATOR VALVE (GAS)					
COLD WATER:		ALL		<=2" - PEX / >=2" COPPER	PROPEX CONNECTION/NO-LEAD SOLDER						PRESSURE REGULATOR VALVE (GAS)		
		ALL		<=2" - PEX / >=2" COPPER	PROPEX CONNECTION/NO-LEAD SOLDER						SOLENOID VALVE (GAS)		
RAIN LEADERS: ALL				C (CAST IRON IF IN PLENUM)	SOLVENT WELD CEMENT (I	· · · · · · · · · · · · · · · · · · ·					· · · ·		
WASTE: ABOVE GRO		BELOW GROU		C (CAST IRON IF IN PLENUM) PVC	SOLVENT WELD CEMENT (H SOLVENT WELD CEM		S)	Ī	≞ ∲₁		RELIEF VALVE		
WASTE:		ALL		PVC PVC				<u> </u>	7 1				
VENT:	ASTE.	ALL		PVC	SOLVENT WELD CEMENT			PDI-'A'			WATER HAMMER ARRESTOR.		
						SOLVENT WELD CEMENT MEGA-PRESS <= 2" (THRD JOINTS AT VALVES,					LETTER INDICATES PLUMBING &		
GAS:		ALL		SCHEDULE 40 BLACK IRON	EQPT. ETC)		NEVEO,				DRAINAGE INSTITUTE SIZE.		
PLUMBIN	G FIXTURE SCH	EDULE											
SYMBOL	SYMBOL DESCRIPTION			MANUFACTURER & MODEL NUM	BERS W	V IN	CW IN	HW IN	GAS IN	ELEC.		REMARKS	
	WATER CLOSET		TOILET:	PROFLO: PF1731WH									
WC-1	WALL MOUNT	:	SEAT:	PROFLO: TSCOF2000WH	4"	2"	1/2"		-	-			
	AUTO FV		FLUSH VALVE:	SLOAN: ECOS 8111									
	WATER CLOSET AL	DA	TOILET:	PROFLO: PF1731WH									
WC-1A	WALL MOUNT	:	SEAT:	PROFLO: PFTSCOF2000WH	4"	2"	1/2"		-	-	ADA, VERIFY TOILET B	OWL HANDLE SIDE BEFORE ORDERING	
	AUTO FV	F	FLUSH VALVE:	SLOAN: ECOS 8111									
UR-1	URINAL	-	TOILET:	PROFLO: PF1825PTWH	2"	2"	1"	_	_	_		ADA	
014-1	AUTO FV		FLUSH VALVE:	SLOAN: ECOS 8186HEU	2	2	'	_	_	_			
L-1	LAV UNDERMOUNT	г (SINK:	KOHLER: K2210-0	1 1/2"	1 1/2"	1/2"	1/2"	_	_		0.5 GPM	
E-1	SINGLE HANDLE		FAUCET:	DELTA: D559LFHGMPP	1 1/2	1 1/2	1/2	1/2		_		0.0 01 M	
S-1	UNDERMOUNT SIN			PROFLO: PFUC109A6	1 1/2"	1 1/2"	1/2"	1/2"	_	_		1.8 GPM	
0-1	STAINLESS		FAUCET:	DELTA: D1159LF	1 1/2	1 1/2	1/2	1/2	_	_			
S-2	HAND WASH SINK		SINK:	PROFLO: PFSR171963	1 1/2"	1 1/2"	1/2"	1/2"	_	_			
02	STAINLESS	ŀ	FAUCET:	PROFLO: PFXC6880LSCP	1 1/2	1 1/2	1/2	1/2					
EW-1	EMERGENCY EYEWASH	ı	UNIT:	HAWS H7260B7270B					-	-			
MS-1	MOP SINK	E	BASIN:	PROFLO: PFMB2424	2"	1-1/2"	1/2"	1/2"					
1013-1	FLOOR MOUNT	F	FITTING:	PROFLO: PF1119	Z	1-1/2	1/2	1/2	-	-			
DF-1	BOTTLE FILLER STATION - REFRIGE	ERATED	FOUNTAIN:	ELKAY: ELZSTL8WSSP	2"	1 1/2"	1/2"	-	-	120V	ADA	A, W/ BOTTLE FILLER	
HB-1	HOSE BIB KEY HANDLE	l	UNIT:	WOODFORD: 65	-	-	3/4"	-	-	-	WITH INTEGRAL VACUUM BREAK	KER, COORDINATE MOUNTING HEIGHT WITH G.C.	
FD-1	LIGHT DUTY FLOOF DRAIN		UNIT:	ZURN: EZ1 (2", 3", 4")	VARIE	s -	-	-	-	-	PROVIDE PRECISION PLUMBING P	RODUCTS #P-1 TRAP OR EQUAL WHEN REQUIRED	
CB-1	CATCH BASIN	l	UNIT:	K&K: KCAT01	-	-	-	-	-	-			
TP-1	TRAP PRIMER	i	UNIT:	PROFLO:P2500 FOR 1-2 DRAINS - F	PFPDUU FOR MULTIPLE -	-	- 1	-	-	-	PIPE SIZE PER T	RAP AND PRIMER INSTRUCTIONS	
TP-2	TRAP PRIMER			PROFLO:P1500 FOR 3-4 DRAINS - A		-	-	-	-	-		RAP AND PRIMER INSTRUCTIONS	
FCO	FLOOR CLEAN OUT		UNIT:	ZURN: EZC (2",3", 4")	VARIE	s -	-	-	-	-	COORDIN	NATE LOCATION WITH GC	
WCO	WALL CLEAN OUT	l	UNIT:	PROFLO: PFC51 SERIES	VARIE	s -	-	-	-	-	WITH CLEANOUT TEE AND THRE	ADED PLUG. COORDINATE LOCATION WITH GC.	
RD-1	DOUBLE ROOF DRA	AIN I	DRAIN:	JR SMITH 148YO (2",3",4")	VARIE	s -	-	-	-	-	VER	IFY SIZES ON PLANS	
EWH-1	WATER HEATER ELECTRIC 50 GALLON	,	WATER HEATER:	AO SMITH: ENT-50	-	-	3/4"	3/4"	-	240V	PROVIDE WITH T&P RELIEF VALVE, SEISM	IIC RESTRAINT AS REQUIRED	
ET-1	EXPANSION TANK		UNIT:	PROFLO PFXT5	-	-	-	3/4"	-	-	2.0 G	AL, 45% ACCEPTANCE	
CP-1	HOT WATER CIRC F	PUMP F	PUMP:	GRUNDFOS 15-18 B5	-	-	-	1/2"	-	120V			
DN-1	DOWNSPOUT NOZZ	ZLE	UNIT:	ZURN: ZANB199	VARIE	s -	-	-	-	-			
WHA	WATER HAMMER A	RRESTOR	UNIT:	FNW (X10P OR X11P) - SIZED PER F	PLANS -	-	VARIES	ò -	-	-			
RPBP-1	REDUCED PRESSU BACKFLOW PREVE	11	UNIT:	WATTS LF009	-	-	2"	-	-	-			
ICE-1	REFRIGERATOR W/ CONNECTION		UNIT:	SIOUX CHIEF: 696-G101	-	-	1/2"	-	-	-	VERIFY SIZES ON PLANS. COORDINA	TE WITH KITCHEN DRAWINGS FOR EXACT LOCATIONS	
DW-1	DISHWASHER CON		UNIT:	N/A	1"	-	-	1/2"	-	-	COORDIN	JATE LOCATION WITH GC	
							-						

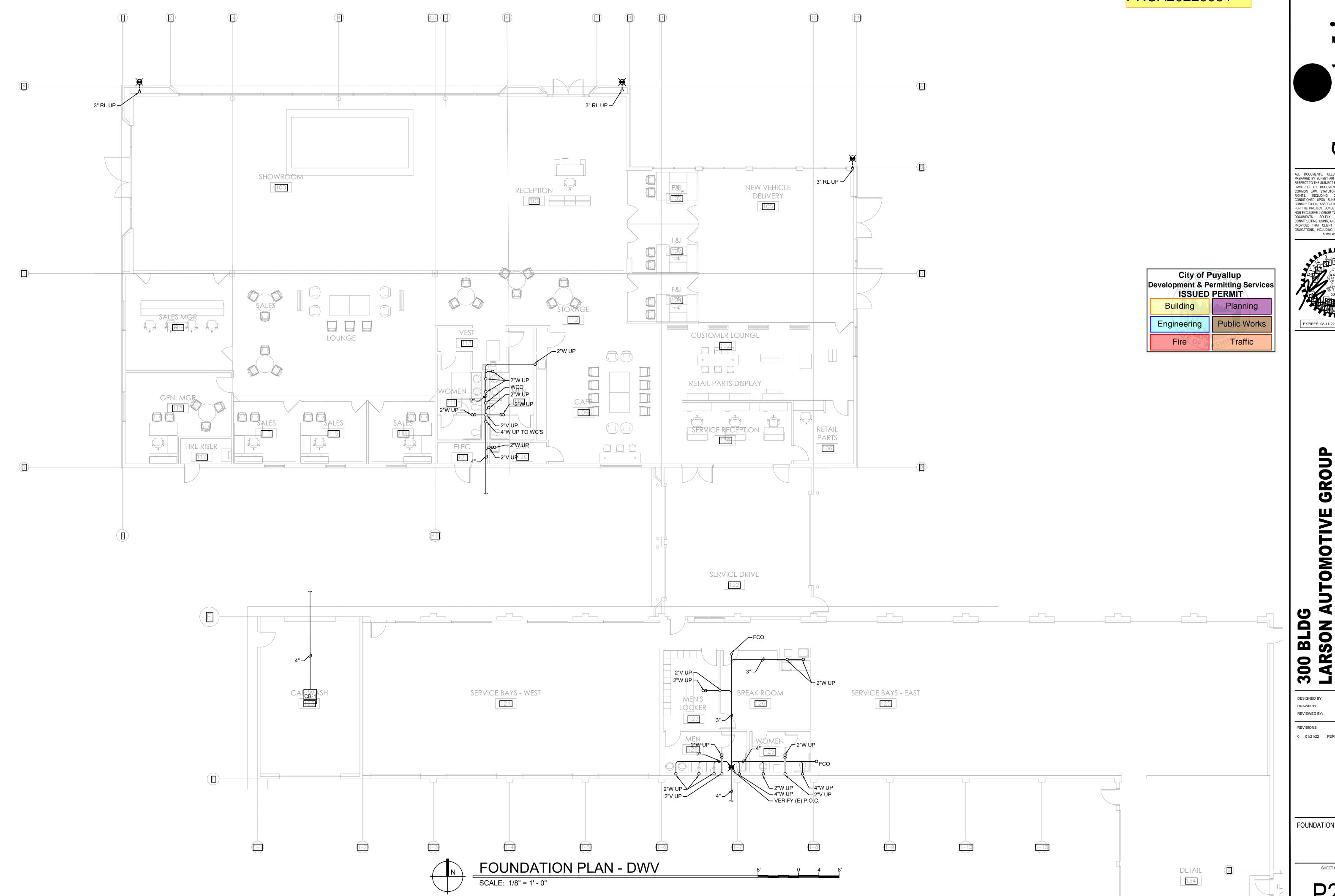
MBOL	ABBREV.	DESCRIPTION					F	PIPING INSU	ATION SCHE	DUIE			
MG GAS PIPE DCW DOMESTIC COLD WATER		PIPING INSULATION SCHEDULE: PIPING PIPE INSULATION MATERIAL INSULATION									INSULAT		
		DOMESTIC COLD WATER	TYPE			SIZE		TYPE			THICKNESS		
	DHW	DOMESTIC HOT WATER	UNDERSIDE OF ROOF DRAINS: OVERHEAD RAIN LEADERS:			ALL ALL		FIBERGLA	NSS	ALL	1/2" MIN. (USE LINE SIZE HA 1/2" MIN. (USE LINE SIZE HA		
	DHWR	DOMESTIC HOT WATER CIRCULATING						FIBERGLA		ALL			SIZE HA
	w	DOMESTIC WASTE	VERTICAL RAIN LEADERS: OVERHEAD COLD WATER:		ALL ALL		NOT REQU		ALL XCEPT PEX)				
	V					1/2" - 1-1/2"		FIBERGLA	,	ALL	1/2" MIN. (USE LINE SIZE H 1" (USE LINE SIZE HAN 1-1/2" (USE LINE SIZE H/		
	CW	CONDENSATE WATER	HOT WA	HOT WATER			1-1/2" - 4"		\SS	ALL			
	HPW	HIGH PRESSURE WATER	AIR CO	MPRESS		IEDULES							
∞-		ISOLATING VALVE	MARK	MAKE	MODEL	FREE A	AIR .	PRESSURE	MOTOR DATA	Voltage	FLA	WT	
<u>∽</u>		GLOBE VALVE		500550	1/1.05	CFM		PSI	HP	(Volts-Phase)	(AMPS)	0.405	
$\overline{\mathbb{A}}$		GATE VALVE	ACU-1	ROGERS	KI-25	95		125	25	208-3		2485	W
		CHECK VALVE				ATOR SO							
<u>-</u>			MAR	K MAKE		MODEL	MBH	CONNECTION					
81- -								INCH	PSI	In W			
7		PRESSURE REDUCING VALVE	PR-2	MAX	ITROL	325-3L	125	1/2"	1	7			
<u> ⊣ф⊢</u>		BALL VALVE	PR-2	2 MAX	ITROL	325-3L	125	1/2"	1	7			
		UNION	PR-3	PR-3 MAXITROL		325-3L	150	1/2"	1	7			тиг
}		BALANCING VALVE	PR-4	MAX	ITROL	325-3L	150	1/2"	1	7			THE
<u>}-</u>		PETES PLUG	PR-5	5 MAX	ITROL	325-3L	60	1/2"	1	7			
4		STRAINER	PR-6	6 MAX	ITROL	325-3L	60	1/2"	1	7			DOC
X			PR-7	R-7 MAXITROL		325-3L	100	1/2"	1	7		BE F	
		MOTORIZED VALVE	PR-8	PR-8 MAXITROL		325-3L	100	1/2"	1	7			
\sim		REDUCED PRESSURE BACKFLOW PREVENTER	PR-9	MAX	ITROL	325-3L	40	1/2"	1	7			INS
₽		PRESSURE REGULATOR VALVE (GAS)											ACC
⊢		SOLENOID VALVE (GAS)											
ᡗ᠇		RELIEF VALVE											FUL
PDI-'A'		WATER HAMMER ARRESTOR. LETTER INDICATES PLUMBING & DRAINAGE INSTITUTE SIZE.											REC



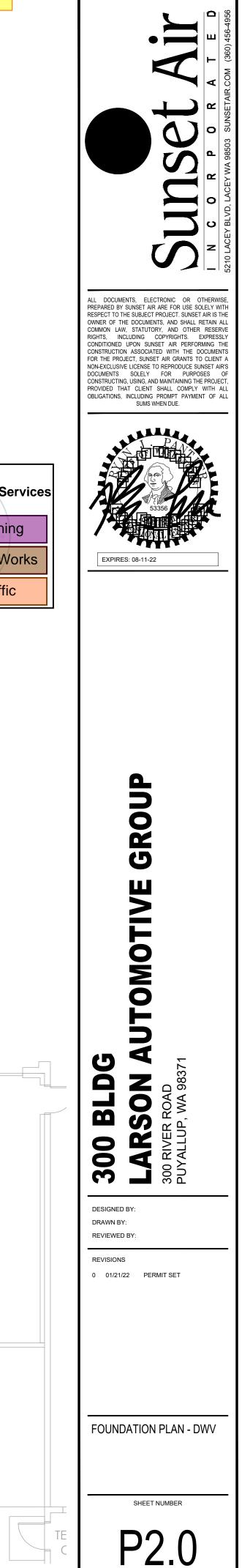
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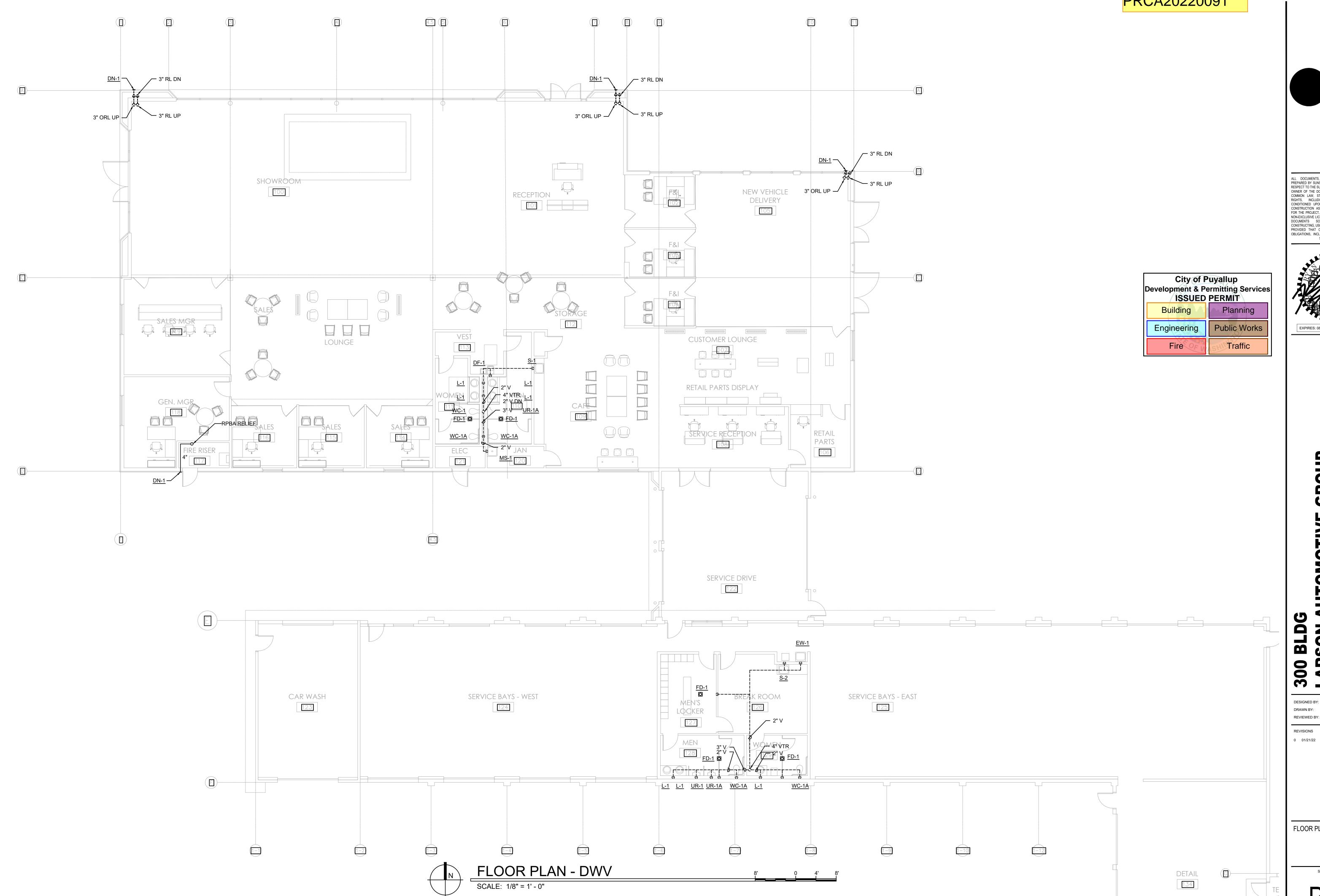
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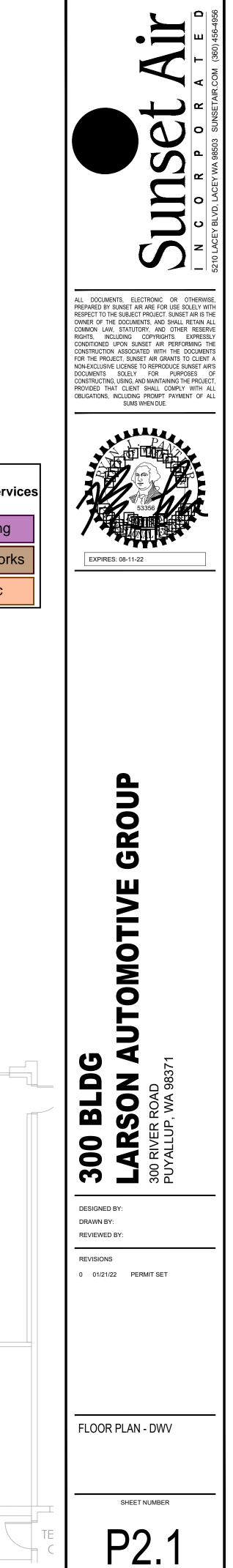
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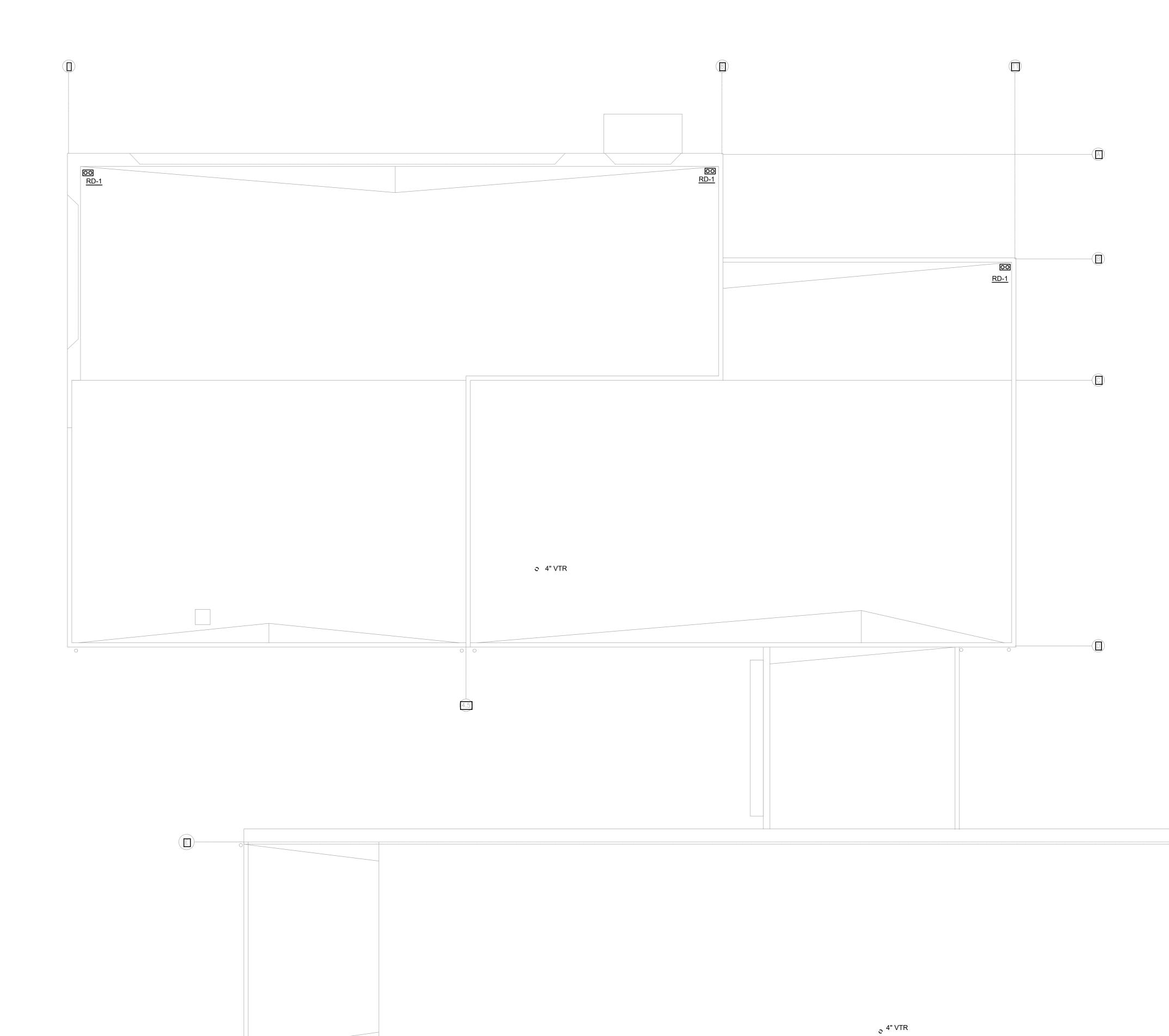
City of Puyallup Development & Permitting Services ISSUED PERMIT							
Building	Planning						
Engineering	Public Works						
Fire	Traffic						



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City of Puyallup Development & Permitting Services ISSUED PERMIT							
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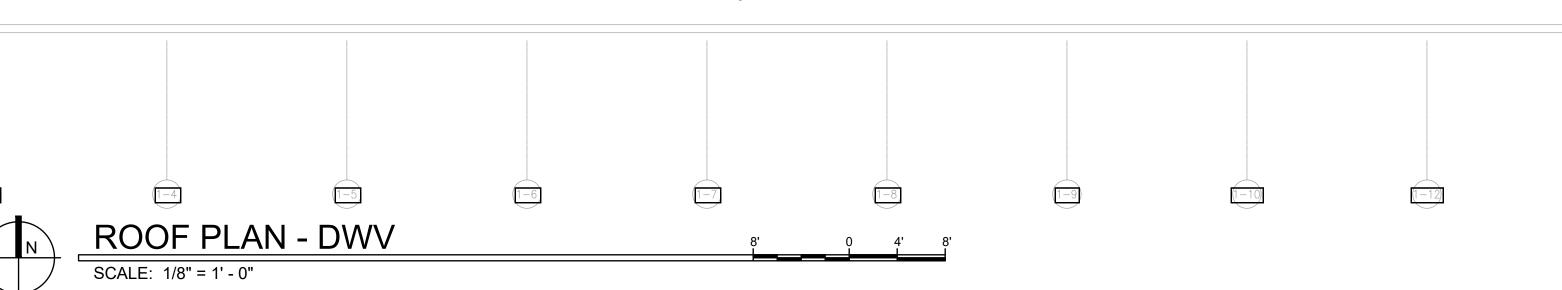


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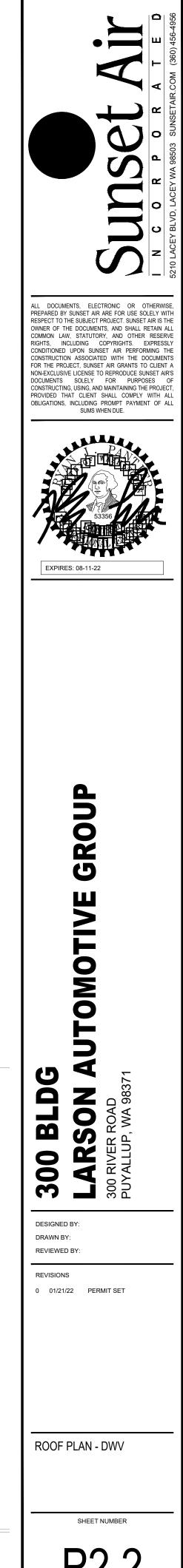
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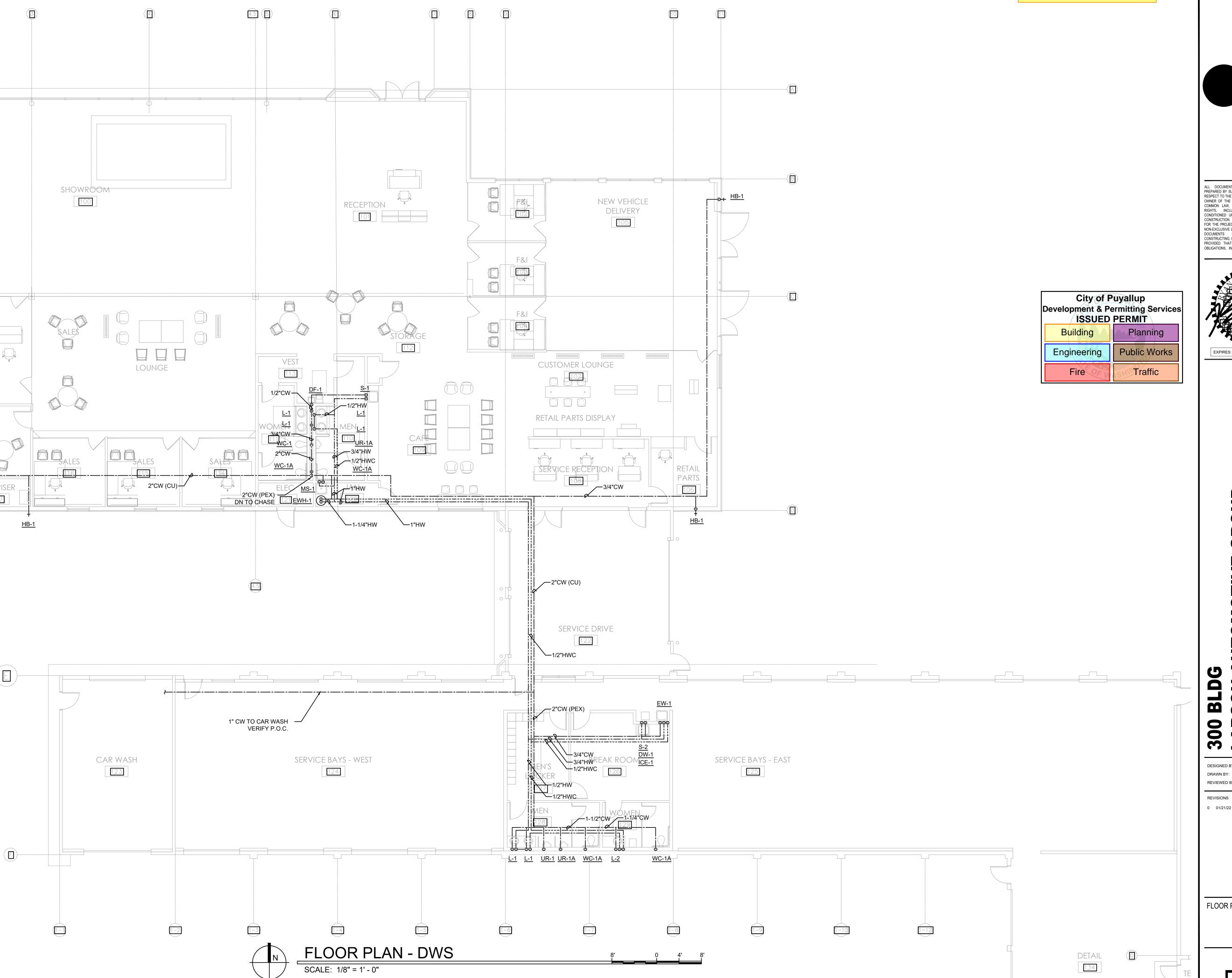


City of Puyallup Development & Permitting Services ISSUED PERMIT						
Building	Planning					
Engineering	Public Works					
Fire	Traffic					

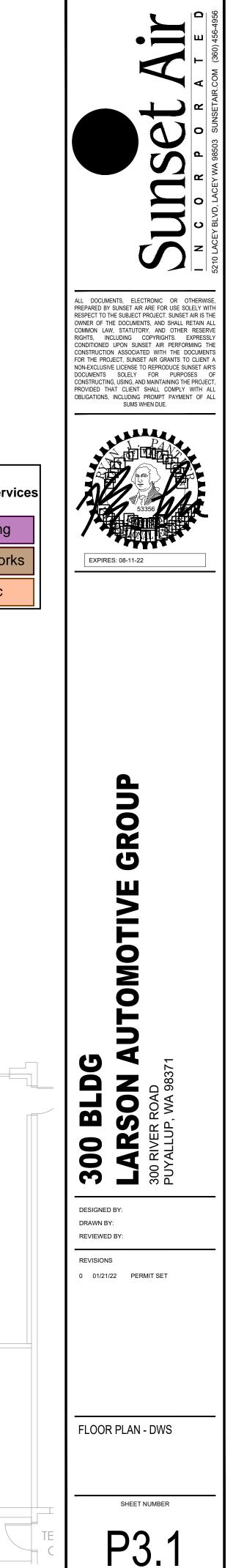
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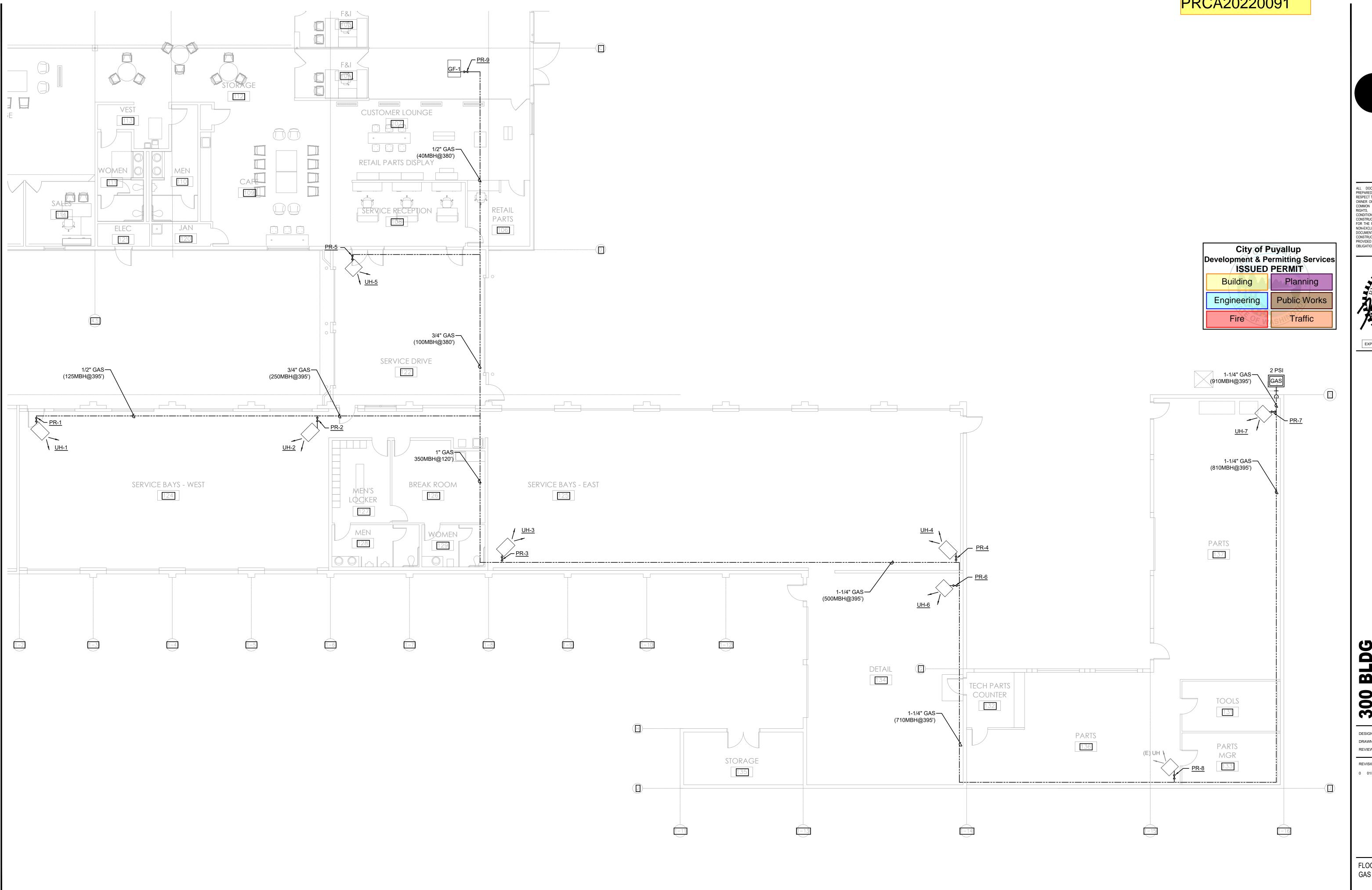




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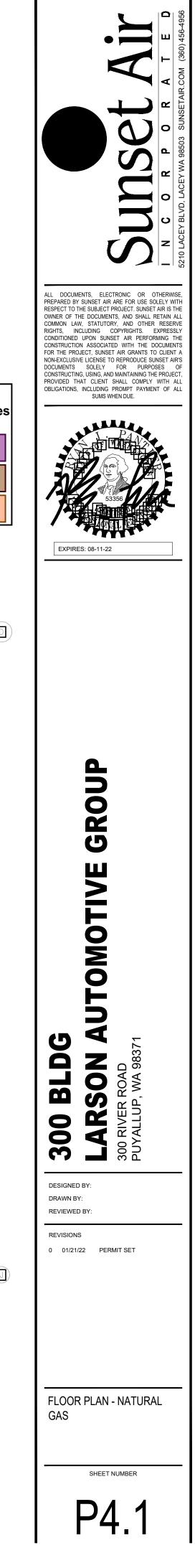


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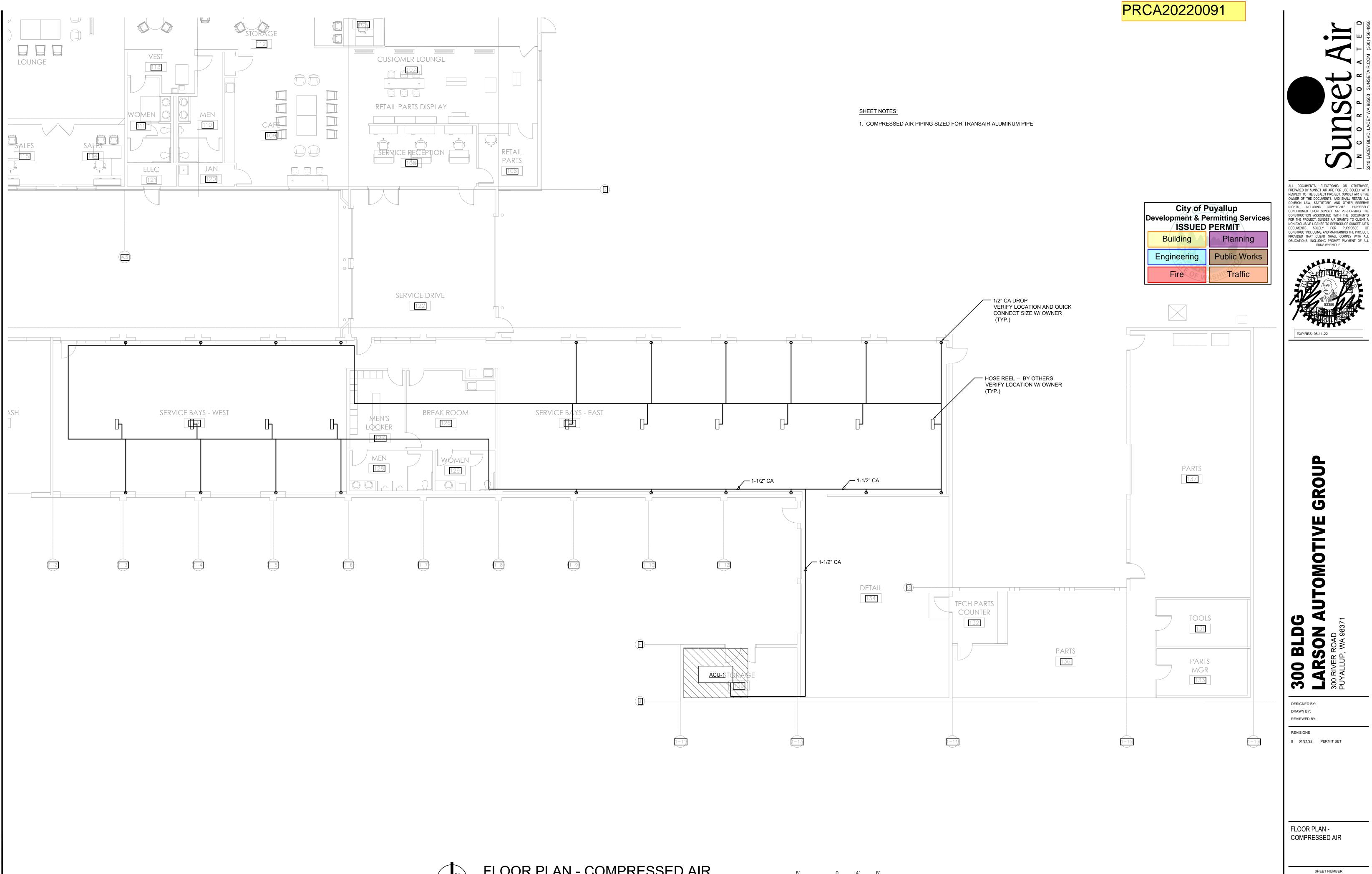








City of Puyallup Development & Permitting Services ISSUED PERMIT							
Building	Planning						
Engineering	Public Works						
Fire OF W	Traffic						



FLOOR PLAN - COMPRESSED AIR SCALE: 1/8" = 1' - 0"

P5.1