## PLUMBING GENERAL NOTES:

- A. THE DRAWINGS ARE DIAGRAMMATIC. PROVIDE ALL MATERIAL (NEW AND UNDAMAGED) AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY ALL BUILDING MEASUREMENTS DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY OF THE WORK.
- B. REFER TO THE MECHANICAL SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION INSTRUCTIONS NOT COVERED BY THESE PLANS.
- . VERIFY THE EXISTING EQUIPMENT, PIPES, VALVES LOCATIONS AND SIZES THAT ARE SHOWN ON THESE PLANS AND REPORT ALL DISCREPANCIES BACK TO ENGINEER FOR EVALUATION PRIOR TO PROCEEDING WITH WORK.
- D. ALL INSTALLATIONS SHALL COMPLY WITH APPLICABLE FEDERAL AND STATE CODES INCLUDING 2014 OREGON STRUCTURAL SPECIALTY CODE (OSSC) INCLUDING APPENDIX N FOR OREGON FIRE CODE REGULATIONS, 2017 OREGON PLUMBING SPECIALTY CODE (OPSC), 2014 OREGON MECHANICAL SPECIALTY CODE (OMSC), 2014 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OESC), AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE STRICT OF THE TWO SHALL BE FOLLOWED.
- E. ALL PIPES, EXITING, ENTERING OR PASSING THROUGH ANY RATED FIRE WALL OR OCCUPANCY SEPARATION SHALL HAVE FIRE BLOCKING.
- F. ALL NON-PRESSURIZED DRAIN LINES (SANITARY WASTE) ARE TO HAVE A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- G. ALL PIPING INVERTS OR ELEVATIONS ARE MEASURED TO BOTTOM OF PIPE (BOP), UNLESS OTHERWISE IDENTIFIED.

OUTLINED IN OREGON PLUMBING SPECIALTY CODE & SPECIFICATIONS.

- H. ALL POTABLE WATER SYSTEM PIPING AND EQUIPMENT ARE TO BE FLUSHED AND DISINFECTED PRIOR TO COMMISSIONING AND USE, AS PER CLEANING AND COMMISSIONING REQUIREMENTS
- VENT PER CODE AND AS SHOWN ON DRAWINGS.
- J. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED LOCATION. TRENCHES FOR PIPING SHALL BE SHORED AND WIDE ENOUGH FOR PROPER INSTALLATION.
- K. PROVIDE CLEANOUTS WHERE INDICATED AND PER CODE.
- L. PRIME FLOOR DRAINS/SINKS PER CODE.
- M. PROVIDE DIELECTRIC FITTINGS AT DISSIMILAR METALS PIPE CONNECTIONS.
- N. VERIFY ALL ELECTRICAL REQUIREMENTS BEFORE ORDERING EQUIPMENT.
- O. INSTALL ALL EQUIPMENT PER MANUFACTURERS' INSTRUCTIONS.
- P. CONTRACTOR TO PROVIDE ACCESS DOORS WHERE REQUIRED BY CODE.
- Q. CONTRACTOR TO FLASH AND COUNTERFLASH NEW VENT THRU ROOF WATER TIGHT.

IARK#	FIXTURE [APPLICABLE NOTE] [10][18]	D[1][5] TF	RAP [1]	V [1]	CW [1]	HW [1]	BASIS OF DESIGN	REMARKS			
/C-1	WATER CLOSET HANDICAP [9]		4	2	1		SEE SPECIFICATIONS	ADA, ELONGATED BOWL, FLUSH VALVE			
V-1	LAVATORY [8]		1 1/2	1 1/4	1/2	1/2	SEE SPECIFICATIONS	WALL HUNG VITREOUS CHINA			
i-1	EXAM/TREATMENT/HAND WASH SINK [6][14]		1 1/2	1 1/2	1/2	1/2	SEE SPECIFICATIONS	COUNTER MOUNTED, STAINLESS STEEL SINK			
5-2	HANDWASH SINK [6][14]		1 1/2	1 1/2	1/2	1/2	SEE SPECIFICATIONS	COUNTER MOUNTED, STAINLESS STEEL SINK			
-3	STAFF LOUNGE SINK [14][19]		2	1 1/2	1/2	1/2	RELOCATE EXISTING SINK AND FAUCET				
B-1	HOSE BIBB - HYDRANT				3/4		RELOCATE EXISTING WALL HYDRANT				
3-2	HOSE BIBB - INTERIOR				3/4		SEE SPECIFICATIONS	INTERIOR			
P-1	TRAP PRIMER [3]				1/2		PPP MP-500-115, PROVIDE WALL BOX	ELECTRONIC TRAP PRIMER			
-2	TRAP PRIMER [3]				1/2		JR SMITH 2699	PIPE TO 1/2 IN WC/SINK CW SUPPLY LINE (MIN 1.1 GPM AT 25 PSI).			
<b>(</b> -1	MIXING VALVE [18]				3/8	3/8	ZURN THERMOSTATIC MIXING VALVE TMV-ZW1070XL	POINT OF USE INSTALLATION PER ASSE 1070. SET TO 110 DEG F			
S-1	FLOOR SINK [2]		4	V.L.			JR SMITH 3100	SQUARE TOP WITH SEDIMENT BUCKET			
CO	GRADE CLEANOUT						JR SMITH 4280 W/ROUND FLANGE ACCESS COVER JR SMITH 4880.	FOR OUTDOOR INSTALLATION.			
vco	WALL CLEAN-OUT						JR SMITH 4402C	CAULK FERRULE WITH ACCESS COVER			
СО	FLOOR CLEAN-OUT										
.G-1	FUNNEL DRAIN WITH FIXED AIR GAP FITTING [2]	1	1 1/2	1 1/2			INDIRECT DRAIN CONNECTION	PROVIDE WITH WALL BOX AND OPEN ACCESS ENCLOSURE.			
CU-1	COFFEE URN [16]				1/2						
REF-1	REFRIGERATOR CONNECTION				1/2		GUY GRAY BIM 875				
IH-1	INSTA-HOT				1/2		RELOCATE EXISTING FIXUTURE				
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER[11]	3/4			3/4		ZURN 975XL2U LOW LEAD	PROVIDE AIR GAP DEVICE AND LEAD FREE Y-TYPE STRAINER			
OTES:											
	CONNECTION SIZES ARE FOR INDIVIDUAL FIXTURES ON SIZE SHOWN UNLESS INDICATED OTHERWISE ON DRA		SIZE TC	) FIXTUR	E SAME A	S TRAI	[7	11] ROUTE FUNNEL DRAIN AND DAYLIGHT ABOVE FD/SINK.			
	PROVIDE TRAP AND TRAP PRIMER.						•	12] PROVIDE WASTE TRAP AND STRAINER AT WASTE OUTLET.			
	INSTALL TRAP PRIMER 1 FT ABOVE FLR FOR EVERY 20						•	13] PROVIDE BASKET STRAINER.			
	INSTALL IN COMFORMANCE WITH ADA REQUIREMENTS						•	14] PROVIDE WASTE LINE WALL CLEAN-OUT BELOW FIXTURE.			
[5] PROVIDE INDIRECT WASTE DRAIN; ROUTE TO FLOOR SINK AND DISCHARGE WITH A 2 IN AIR GAP.							[15] PROVIDE WITH MIXING VALVE.				
	PROVIDE GRID STRAINER AT WASTE OUTLET.						•	16] PROVIDE COFFEE MAKER WATER CONNECTION IN WALL ABOVE COUNTER.			
r <del>7</del> 1	PROVIDE REMOVABLE STRAINER FOR CLEANING AND	ACCESS T	O THE I	DRAIN IN	NLET.			17] -			
[7]							r	401			
	INSTALL IN ACCORDANCE WITH ADA RQUIREMENTS.						L	18] -			

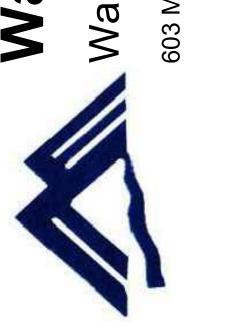
		EIX	TUDE	INIT COL	INITS						
	NIE			US EXIS		RI DG					
FIXTURE TYPE	MIN.	MIN.		HOT W		COLD	VATER	DOMESTI	C WATER	WASTE	&VENT
	WATER	WASTE	NO OF	FIXTURE	SUM	FIXTURE	SUM	FIXTURE	SUM	UNIT	SUM
	OUTLET	OUTLET	FIXTURES	UNITS		UNITS		UNITS		DFU	
HOSE BIBB, SILL COCK-ADDITIONAL	1/2		2			1.0	2.0	1	2.0		
KITCHEN SINK	1/2	2	1	1.1	1.1	1.1	1.1	1.5	1.5	2	2
LAVATORY	1/2	1 1/4	1	0.8	0.8	0.8	0.8	1	1.0	1	1
RECEPTORS()		1 1/2	1							1	1
SINK-BAR	1/2	2	10	1.1	11.3	1.1	11.3	1.5	15.0	2	20
WATER CLOSET, FLUSHOMETER TANK, 1.6 G	1/2	3	1			2.0	2.0	2	2.0	4	4
4"FLOOR SINK		4	1							8	8
EXISTING FIXTURES					45.2		154.8		154.8		154
TOTAL FIXTURE UNITS			17.0		58.3		171.9		176.3		190.0
		1		<u>'</u>		<u>'</u>		<u>'</u>			
TOTAL BLDG CW: FLUSH VALVE SYSTEMS	2-1/2"			GPM	55			GPM	85.5		

	DOMESTIC W	VATER PIPE PRESSURE DROP CALCULATIONS
70.0	PSIG	MAIN PRESSURE (PSIG) - AVERAGE MINIMUM AT STREET
25.0	FT	ELEVATION GAIN FROM METER TO HIGHEST FIXTURE (FT)
	59.25 PSIG	PRESSURE FOR METER SIZING
4.0	PSIG	METER LOSS
17.0	PSIG	REDUCED PRESSURE BACKFLOW PREVENTER LOSS
20.0	PSIG	REQUIRED PRESSURE AT FURTHEST FIXTURE
403.0	FT	EQUIVALENT LENGTH FROM METER TO FURTHEST FIXTURE
18.2	PSIG	PRESSURE AVAILABLE FOR PIPE SIZING
10.40	FT/100FT	FRICTION FACTOR
4.51	PSI/100FT	PIPING MAX PRESSURE DROP

SOLIDS INTERCE	PTOR TANK SCHEDULE					
DESIGNATOR	SLT-1					
SYSTEM TYPE	SOLIDS INTERCEPTOR					
STYLE	UNDERCOUNTER					
AREA SERVED	CASTING ROOM					
LIQUID CAPACITY - GALLONS	1.2					
TANK CONSTRUCTION MATERIAL	HDPE					
TELEGLIDE RISER	N/A					
SCREEN FILTER	3/16 IN					
COVER DIAMETER - IN	11					
COVER TYPE	N/A					
WASTE INLET CONNECTION - IN	1 1/2					
WASTE OUTLET CONNECTION - IN	1 1/2					
BASIS OF DESIGN, MODEL#	STRIEMCO USI-1180-1					
UNIT DRY WEIGHT (LBS)	8					
UNIT WET WEIGHT (LBS)	18					
SEE NOTES	1,2,3,4,5					
REMARKS						
. PROVIDE TOP ACCESS INTERCEPTOR.						
2. INSTALL BELOW SINK WITH BOTTOM SUPPORT.						
3. ALLOW 11 IN ACCESS CLEARAN	NCE ON TOP OF INTERCEPTOR.					
4. PROVIDE DEVICE RATED FOR F	PLASTER,& CLAY/HEAVY SOLIDS.					
5. FLOWRATE BASED ON 1/4 IN / F	FT SLOPE, N=0.012 IN, AND HALF PIPE FLOW.					
c						

## MEDICAL GASES AND EQUIPMENT:

FOR MEDICAL EQUIPMENT, GAS ZONE VALVES, GAS STORAGE TANKS, COMPRESSOR, VACUUM PUMP, DENTAL UNITS, GAS PIPING, ETC, SEE BURHART DENTAL PLANS AND SPECS FOR REQUIREMENTS.



Mariara Gal

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1 MISC REV.

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02.11.2019

PLUMBING LEGEND,
NOTES AND
SCHEDULES