

PLUMBING FIXTURE SCHEDULE														
MARK	DESCRIPTION	WASTE PIPE		VENT PIPE		COLD WATER		HOT WATER		WASTE FIXTURE UNITS	WATER FIXTURE UNITS	WRIST BLADE HANDLES	ELECTRIC SENSOR	REMARKS
		IN	[mm]	IN	[mm]	IN	[mm]	IN	[mm]					
P-103	WATER CLOSET, WALL HUNG, ELONGATED BOWL	3	[75]	2	[50]	1	[25]		[]	4	4	NA	NO	RM: 18" AFF
P-403	LAVATORY FOOT PEDAL CONTROL	1.5	[50]	1.5	[38]	.5	[13]	.5	[13]	2	2	NA	NO	RM: 34" AFF
P-404	LAVATORY FOOT PEDAL W/ EYEWASH	1.5	[38]	1.5	[38]	.5	[13]	.5	[13]	2	2	NA	NO	
P-418	LAVATORY	1.5	[38]	1.5	[38]	.5	[13]	.5	[13]	2	2	NA	YES	RM: 34" AFF
P-502	MOP BASIN	3	[75]	1.5	[38]	.5	[13]	.5	[13]	3	4	NA	NO	
P-528	KITCHEN SINK SINGLE BOWL	1.5	[38]	1.5	[38]	.5	[13]	.5	[13]	2	2	YES	NO	
P-703	SHOWER FITTING	0	[]	1.5	[38]	.5	[13]	.5	[13]	2	2	NA	NO	SHOWER HEAD: 72" AFF
P-707	EMERGENCY SHOWER	0	[]			1	[25]		[]		10	NA	NO	SHOWER HEAD: 84" AFF
P-708	EMERGENCY EYEWASH	2	[50]	1.5	[38]	1	[25]		[]	2	2	NA	NO	SPRAY HEADS: 42" AFF
P-804	HOSE BIBB					.75	[19]				2			
P-811	MIXING VALVE													
P-813	WATER GUN					.5	[13]				2		NO	DECK MOUNT FAUCET WITH FLEXIBLE HOSE TO WATER GUN

WATER FILTER SCHEDULE								
MARK	LOCATION	SYSTEM AND/OR SERVICE	TYPE	CAPACITY		PRESSURE DROP		REMARKS
				GPM	[L/s]	PSIG	[kPa]	
WF-1	SPD	R.O. EQUIPMENT	CHARCOAL	6 (10 PEAK)	[]	6	[]	PROVIDE CONTROLLERS WITH DIGITAL INTERFACE FOR COMMUNICATION WITH BUILDING EMS (PLC) FOR SYSTEM STATUS.

EQUIPMENT ROUGH-IN SCHEDULE															
MARK	EQUIPMENT DESCRIPTION	WASTE PIPE		VENT PIPE		COLD WATER		HOT WATER		REVERSE OSMOSIS WATER	LAB AIR	LAB VACUUM	REMARKS		
		IN	[mm]	IN	[mm]	IN	[mm]	IN	[mm]	IN	[mm]	IN		[mm]	
EQ-1	ENDOSCOPE REPROCESSOR	2.0	[50]	1.5	[38]	.5	[13]	.75	[19]	[]	.5	[13]	[] 1, 2, 3		
EQ-2	WASHER DISINFECTOR	2	[50]	2	[50]	.5	[13]	.5	[13]	.125	[3]	[]	1, 2, 3, 6		
EQ-3	ELECTRIC STEAM GENERATOR	1	[25]	[]	[]	[]	[]	.5	[13]	[]	[]	[]	1, 2, 3		
EQ-4a	AIR GUN	[]	[]	[]	[]	[]	[]	[]	[]	.5	[13]	[]	1, 2		
EQ-4b	AIR GUN WITH ADJACENT VAC OUTLET	[]	[]	[]	[]	[]	[]	[]	[]	.5	[13]	.75	[19] 1, 2		
EQ-5	HEAT SEALER	[]	[]	[]	[]	[]	[]	[]	[]	.25	[6]	[]	1, 2		
EQ-6	ICE MAKER	1.5	[38]	[]	[]	.5	[13]	[]	[]	[]	[]	[]	1, 2, 3		
EQ-7	PREPROCESSING SINK	(2) 1.5	(2) [38]	(2) 1.5	(2) [38]	(2) .5	(2) [13]	(2) .5	(2) [13]	[]	[]	[]	1, 2		
EQ-8	GAS STERILIZER	[]	[]	[]	[]	[]	[]	[]	[]	.25	[6]	[]	1, 2		
EQ-9	CART WASHER MAIN CABIN	[]	[]	[]	[]	.75	[19]	.75	[19]	[]	.5	[13]	[]	1, 2, 3, 5	
EQ-10	CART WASHER SUPPLY TANK	2	[50]	1.5	[38]	[]	[]	.75	[19]	[]	[]	[]	1, 2, 3		
EQ-11	ULTRASONIC CLEANER	1.5	[38]	[]	[]	.5	[13]	.5	[13]	.5	[13]	.5	[13]	[]	1, 2, 3, 7
EQ-12	DECONTAMINATION WORK SINK	(3) 1.5	(3) [38]	1.5	[38]	(1) .5 (4) .75	(1) [13] (4) [19]	(1) .5 (4) .75	(1) [13] (4) [19]	[]	[]	[]	1, 2		
EQ-13	STEAM STERILIZER	2	[50]	1.5	[38]	.75	[19]	[]	[]	[]	.25	[6]	[]	1, 2, 3, 4	

PLUMBING PUMP SCHEDULE																						
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	CIRCULATING FLUID								ELECTRICAL MOTOR									
					FLUID	FLOW	HEAD	NPSH AVAILABLE	TEMPERATURE	SP. GR.	MIN. % EFF	NOMINAL POWER	PHASE	VOLT	MAX RPM	SPEED CONTROL	REMARKS					
SP-1	ELEVATOR	ELEVATOR	ELEVATOR PUMP	SUMP	GROUND WATER	100	[1]	25	[320]	NA	NA	75	[24]	1	70	2	[]	3	480	1750	CONSTANT	OIL MINDER CONTROLS

STORAGE TANK SCHEDULE				
MARK	LOCATION	TYPE	MIN VOLUME	REMARKS
ST-1	SPD	ATMOSPHERIC CONE BOTTOM OPEN TANK CONSTRUCTED FROM MEDIUM OR HIGH DENSITY POLYETHYLENE WITH U.V. INHIBITORS (WITH SUPPORTS)	GAL 200	MUST NOT EXCEED 36" IN DIAMETER

- EQUIPMENT FURNISHED BY OTHERS, P.C. TO PROVIDE NECESSARY PLUMBING CONNECTIONS TO EQUIPMENT. COORDINATE PLUMBING CONNECTIONS WITH EQUIPMENT SUPPLIER.
- REFER TO ARCHITECTURAL SPECIFICATIONS AND SUBMITTALS FOR FURTHER INFORMATION ON EQUIPMENT.
- THIS UNIT REQUIRES INDIRECT DRAIN CONNECTION. PROVIDE FULL SIZE DRAIN PIPE FROM UNIT TO ASSOCIATED DRAIN.
- STEAM STERILIZER REQUIRES 3/4" NPT CONNECTION FOR STEAM PIPING WHICH IS SHOWN ON MECHANICAL DRAWINGS.
- COLD WATER CONNECTION TO HOSE BIBB.
- PROVIDE PRESSURE REGULATOR ON LA - INLET PRESSURE 100 PSI; SET FOR OUTLET PRESSURE 50 PSI.
- PROVIDE PRESSURE REGULATOR ON LA - INLET PRESSURE 100 PSI; SET FOR OUTLET PRESSURE 30 PSI.

WATER SOFTENER SCHEDULE																						
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	INCOMING WATER HARDNESS		CONTINUOUS FLOW RATE		PEAK FLOW RATE		INLET PRESSURE		BACK WASH FLOW RATE		TANK SIZE (DIAM)		BRINE TANK SIZE (DIAM)		POWER REQUIRED			REMARKS
					PPM	GPM	[L/s]	GPM	[L/s]	PSIG	KPA	GPM	[L/s]	IN	[mm]	IN	[mm]	AMP	PHASE	VOLT		
WS-1	RO/DETERGENT	SPD	R.O. EQUIPMENT	ION EXCHANGE	250	9	[]	11	[]	90	[620]	2.5	[]	10	[]	18	[]	10	1	120	PROVIDE CONTROLLERS WITH DIGITAL INTERFACE FOR COMMUNICATION WITH BUILDING EMS (PLC) FOR SYSTEM STATUS. DUPLX UNIT. FLOW RATES LISTED ARE FOR TWO UNITS IN SERVICE.	

PACKAGED REVERSE OSMOSIS SCHEDULE																				
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	INCOMING WATER PPM DISSOLVED SOLIDS	PRODUCT CAPACITY (MIN)		FEED FLOW (MAX)		RECOVERY	CLEANING FLOW		NO. VESSELS	MEMBRANES PER VESSEL	VESSEL ARRAY	PUMP ELECTRICAL			REMARKS	
						GPH	[LPM]	GPM	[LPM]		GPM	[LPM]				HP	[kW]	PHASE		VOLT
RO-1	SPD	RO/DETERGENT ROOM	BOILER & EQUIPMENT	MULTISTAGE, SINGLE PASS	300	83	[]	17	[]	50%	4	[38]	1	1	1	3	[8]	3	208	PROVIDE CONTROLLERS WITH DIGITAL INTERFACE FOR COMMUNICATION WITH BUILDING EMS (PLC) FOR SYSTEM STATUS. SHALL BE EXPANDABLE TO 160 GPH WITHOUT MAJOR MODIFICATIONS.


 PLAN
**FULLY SPRINKLERED
CONSTRUCTION DOCUMENTS**

CONSULTANTS: STRUCTURAL ENGINEER (SPD): GREGORY P. LUTH & ASSOCIATES, INC. 3350 SCOTT BOULEVARD, BUILDING 48 SANTA CLARA, CA 95054 COAR: 2009015159 MECHANICAL/ELECTRICAL/PLUMBING ENGINEERS - ST. LOUIS: KJWW ENGINEERING CONSULTANTS - ST. LOUIS #14 SUNNEN DRIVE ST. LOUIS, MO 63141 COAR: W00810734 ACUSTICAL ENGINEER: ACUSTIC CONTROL 1709 WASHINGTON AVE. LOFT 300 ST. LOUIS, MO 63103 COAR: 100419 FIRE SPRINKLER: CODE CONSULTANTS INCORPORATED 2043 WOODLAND PARKWAY, SUITE 300 ST. LOUIS, MISSOURI 63146 COAR: 100419		ARCHITECT/ENGINEERS:  THE SEAL (S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND WE EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT. © COPYRIGHT 2012 CHRISTNER INC.		Project Title: PLUMBING SCHEDULES Project Number: 589-321 Building Number: 1 Location: HARRY S. TRUMAN VAMC Date: 1/13/12 Checked: CKF Drawn: JGM Approved:		Office of Construction and Facilities Management Department of Veterans Affairs Drawing Number: PL601 Dwg. 52 of 95	
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