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one quarter inch = one foot
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ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot

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	N/A	NO	RIM: 18" AFF
P-403	LAVATORY FOOT PEDAL CONTROL	1.5	[50]	1.5	[38]	.5	[13]	.5	[13]	2	2	N/A	NO	RIM: 34" AFF
P-404	LAVATORY FOOT PEDAL W/ EYEWASH	1.5	[38]	1.5	[38]	.5	[13]	.5	[13]	2	2	N/A	NO	
P-418	LAVATORY	1.5	[38]	1.5	[38]	.5	[13]	.5	[13]	2	2	N/A	YES	RIM: 34" AFF
P-502	MOP BASIN	3	[75]	1.5	[38]	.5	[13]	.5	[13]	3	4	N/A	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	N/A	NO	SHOWER HEAD: 72" AFF
P-707	EMERGENCY SHOWER	0	[]			1	[25]		[]		10	N/A	NO	SHOWER HEAD: 84" AFF
P-708	EMERGENCY EYEWASH	2	[50]	1.5	[38]	1	[25]		[]	2	2	N/A	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

1

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]	.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		

- 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. DUPEX 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]		POWER					PHASE	VOLT			
											HP	[kW]								
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.

CONSULTANTS:			ARCHITECT/ENGINEERS:			Drawing Title					Project Title				Project Number		Office of Construction and Facilities Management	
STRUCTURAL ENGINEER (SPD): GREGORY P. LUTH & ASSOCIATES, INC. 3350 SCOTT BOULEVARD, BUILDING 48 SANTA CLARA, CA 95054 COAR: 2006015169			MECHANICAL/ELECTRICAL: KJWW ENGINEERING CONSULTANTS - ST. LOUIS #14 SUNNEN DRIVE ST. LOUIS, MO 63141 COAR: 2006015169			PLUMBING SCHEDULES					STERILE PROCESSING AND DISTRIBUTION				589-321		Office of Construction and Facilities Management	
STRUCTURAL ENGINEER (ELEVATORS): KPFF CONSULTING ENGINEERS - ST. LOUIS 1630 DES PERES RD # 100 ST. LOUIS, MO 63131 COAR:			ACOUSTICAL ENGINEER: 1709 WASHINGTON AVE. LOFT 300 ST. LOUIS, MO 63103			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 OF PARTS OF THE PROJECT. © COPYRIGHT 2012 CHRISTNER INC.					Location HARRY S. TRUMAN VAMC				Building Number 1		Department of Veterans Affairs	
PLUMBING/OFFICE PROTECTION: 303RD ENGINEERING GROUP, LLC 1935 ARSENAL STREET ST. LOUIS, MO 63116 COAR:			FIRE SPRINKLER: CODE CONSULTANTS INCORPORATED 2043 WOODLAND PARKWAY, SUITE 300 ST. LOUIS, MISSOURI 63146 COAR: 100419			Approved: Medical Center Director					Date 1/13/12				Drawing Number PL601			
2 JUL 02, 2013 AMMENDMENT #4			ESTIMATING: KNAME BUILDING GROUP 1204 WASHINGTON AVE. SUITE 200 ST. LOUIS, MO 63103			Approved: Chief of O.R.					Checked CKF				Dwg. 52 of 95			
1 JUL 01, 2013 AMMENDMENT #3			ESTIMATING: KNAME BUILDING GROUP 1204 WASHINGTON AVE. SUITE 200 ST. LOUIS, MO 63103			Approved: Chief of SPD					Drawn JGM							
No. Date Revisions			ESTIMATING: KNAME BUILDING GROUP 1204 WASHINGTON AVE. SUITE 200 ST. LOUIS, MO 63103			Approved: Director of Facilities Management					Approved							

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CONSTRUCTION DOCUMENTS