

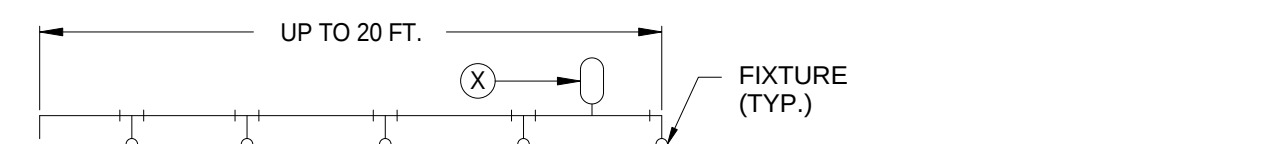
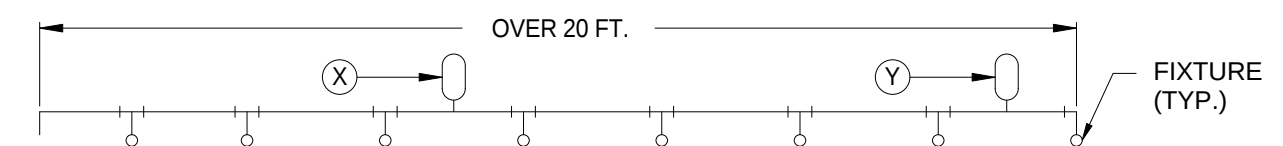
PLUMBING FIXTURE CONNECTION SCHEDULE

ITEM NO.	EQUIPMENT DESCRIPTION	WATER SUPPLY		WASTE		VENT	REMARKS
		HW	CW	DIRECT	INDIRECT		
WC-1	WATER CLOSET	-	1-1/4"	4"	-	2"	WALL HUNG, BACK OUTLET STANDARD MOUNTING HEIGHT
WC-2	WATER CLOSET (ADA)	-	1-1/4"	4"	-	2"	WALL HUNG, BACK OUTLET STANDARD ADA MOUNTING HEIGHT
U-1	URINAL	-	1"	2"	-	2"	WALL HUNG, BACK OUTLET STANDARD MOUNTING HEIGHT
LAV-1	LAVATORY	1/2"	1/2"	2"	-	2"	COUNTERTOP MOUNTED WITH UNDER-COUNTER ADA INSULATION KIT
LAV-2	LAVATORY	1/2"	1/2"	2"	-	2"	WALL HUNG, ADA MOUNTING HEIGHT WITH UNDER-COUNTER ADA INSULATION KIT
CSS-1	CLINICAL SERVICE SINK	1/2"	1-1/4"/1/2"	4"	-	2"	FLUSH VALVE, CW & HW FAUCET, HOSE SPRAY
SS-1	SURGICAL SCRUB SINK	1/2"	1/2"	2"	-	2"	WALL HUNG, AUTOMATIC SENSOR DECK MOUNTED FAUCET
SK-1	SINGLE COMPARTMENT SINK	1/2"	1/2"	2"	-	2"	STAFF BREAK ROOM - COUNTERTOP MOUNTED, TO INCLUDE FIXTURE TYPE 'GD-1'.
SK-2	SINGLE COMPARTMENT SINK	1/2"	1/2"	2"	-	2"	NURSING MOCK EXAM ROOM - COUNTERTOP MOUNTED
SK-3	SINGLE COMPARTMENT SINK	1/2"	1/2"	2"	-	2"	NURSING CLASSROOM / LAB - COUNTERTOP MOUNTED
MS-1	MOP SINK	1/2"	1/2"	3"	-	2"	-
EW-C-1	BI-LEVEL ELECTRIC WATER COOLER	-	1/2"	2"	-	2"	WALL HUNG, WITH MANUFACTURERS WALL BRACKETS
SP-1	DUPLEX SUMP PUMP	-	-	-	3"	-	DUPLEX SUMP PUMP - SUB-SURFACE DRAIN AND DRAIN TILE
SP-1	ELEVATOR SUMP PUMP	-	-	-	2"	-	ELEVATOR SUMP PUMP - EXTEND PIPING AND DISCHARGE INTO FD-3 ON SUB-LEVEL
SP-2	ELEVATOR SUMP PUMP	-	-	-	2"	-	ELEVATOR SUMP PUMP - EXTEND PIPING AND DISCHARGE INTO FD-3 ON SUB-LEVEL
EW-1	EMERGENCY EYEWASH	1/2"	1/2"	-	-	-	COUNTERTOP MOUNTED, WITH TMV-3 BELOW IN BASE CABINET
ES-1	EMERGENCY SHOWER	3/4"	3/4"	-	-	-	WALL RECESSED, WITH TMV-2 ABOVE THE CEILING
WH-1	WALL HYDRANT, FREEZE PROOF	-	3/4"	-	-	-	TO INCLUDE WALL CLAMP AND BACKFLOW DEVICE, SLEEVE TO SUIT WALL DEPTH
CM-1	COFFEE MAKER OUTLET BOX	-	1/2"	-	-	-	-
IM-1	ICE MAKER OUTLET BOX	-	1/2"	-	-	-	-
LF-1	LABORATORY FAUCET	1/2"	1/2"	-	-	-	-
LF-2	LABORATORY FAUCET	-	1/2"	-	-	-	-
DF-1	DEIONIZED WATER FAUCET	-	-	-	-	-	DECK MOUNTED FAUCET, SERVED FROM THE DEIONIZED WATER SYSTEM ONLY
DW-1	UNDER COUNTER DISHWASHER	1/2"	-	-	-	-	REFER TO PLUMBING FIXTURES SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION, VERIFY FINAL EQUIPMENT SELECTION REQUIREMENTS PRIOR TO ROUGH-IN AND CONNECTIONS.

KITCHEN FIXTURE CONNECTION SCHEDULE

ITEM	EQUIPMENT DESCRIPTION	WATER SUPPLY		WASTE		VENT	REMARKS
		HW	CW	DIRECT	INDIRECT		
KS-1	SINGLE BOWL STAINLESS STEEL SINK	1/2"	1/2"	2"	-	2"	-
KS-2	DOUBLE BOWL STAINLESS STEEL SINK	1/2"	1/2"	2"	-	2"	WITH GARBAGE DISPOSER
KS-3	SINGLE BOWL STAINLESS STEEL	1/2"	1/2"	2"	-	2"	-
DW-1	UNDERCOUNTER DISHWASHER	3/4"	-	-	-	-	EXTEND MANUFACTURERS FURNISHED FLEXIBLE HOSE TO FLOOR SINK.
IM-1	UNDERCOUNTER ICE MAKER	-	1/2"	-	3/4"	-	WITH WATER FILTER
IM-1	REFRIGERATOR ICE MAKER	-	1/2"	-	-	-	EXTEND DRAIN TO FLOOR SINK
NOTES: 1. REFER TO FOOD SERVICE CONSULTANTS DRAWINGS AND SPECIFICATIONS FOR ROUGH-IN INFORMATION AND EQUIPMENT DATA.							

WATER HAMMER ARRESTER SCHEDULE

ITEM NO.	MANUFACTURER	MODEL NUMBER	CONNECTION SIZE	FIXTURE UNIT RATING	REMARKS
"A"	J.R. SMITH	5005	3/4"	1-11	THREADED NIPPLE CONNECTION
"B"	J.R. SMITH	5010	1"	12-32	THREADED NIPPLE CONNECTION
"C"	J.R. SMITH	5020	1"	33-60	THREADED NIPPLE CONNECTION
"D"	J.R. SMITH	5030	1"	61-113	THREADED NIPPLE CONNECTION
"E"	J.R. SMITH	5040	1"	114-154	THREADED NIPPLE CONNECTION
"F"	J.R. SMITH	5050	1"	155-330	THREADED NIPPLE CONNECTION
RULE 1: THE PREFERRED PLACEMENT LOCATION IS AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES IN A BRANCH LESS THEN 20 FEET. 					
RULE 2: IN BRANCHES THAT EXCEED 20 FEET IN LENGTH THE SUM OF THE FIXTURE UNIT RATINGS OF UNITS (X) & (Y) SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF BRANCH. 					
NOTES: A. INSTALL PER MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. PROVIDE WATER HAMMER ARRESTERS AT ALL QUICK CLOSING VALVES. B. ALL ARRESTERS MUST BE INSTALLED IN A VERTICAL (UPRIGHT) POSITION TO INSURE PROPER OPERATION OF THE INTERNAL BELLOW. C. WHEN INSTALLING, PLACE WRENCH ON NIPPLE ONLY. <u>NEVER</u> TIGHTEN BY GRIPPING THE SHELL. D. SHOCK ABSORBERS MUST BE STAINLESS STEEL, PRE-CHARGED AND PERMANENTLY SEALED AT THE FACTORY. ALL SHOCK ABSORBERS SHELL MEET ASSE 1010 AND FDI-WH201 STANDARDS. SIOUX ABSORBERS ARE <u>NOT</u> TO BE INSTALLED.					

DOMESTIC GAS FIRED HOT WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	LOCATION	FUEL	INPUT (BTU/H)	REQ'D. GAS PRESSURE		THERMAL EFFICIENCY	STORAGE CAPACITY/GALS.	RECOVERY RATE GALS. @100'	PIPING CONNECTIONS			VENT, INCHES	ASME RATED TANK	WORKING PRESSURE LBS.	ASME T&P VALVE	OPERATING VOLTAGE	SHIPPING WEIGHT, LBS.	REMARKS
						MIN. " W.C.	MAX. " W.C.				WATER		GAS							
											INLET	OUTLET								
DWH-1	RHEEM	GHE 100ES-400(A)	MECH. ROOM	NATURAL GAS	400,000	5.3	10.5	94%	100	445	2"	2"	3/4"	XX	YES	160	YES	120	835	-
DWH-2	RHEEM	GHE 100ES-400(A)	MECH. ROOM	NATURAL GAS	400,000	5.3	10.5	94%	100	445	2"	2"	3/4"	XX	YES	160	YES	120	835	-
DWH-2	RHEEM	GHE 100ES-400(A)	MECH. ROOM	NATURAL GAS	400,000	5.3	10.5	94%	100	445	2"	2"	3/4"	XX	YES	160	YES	120	835	-
NOTES:																				
1. SET ON 4" HIGH CONCRETE HOUSEKEEPING PAD.																				

DOMESTIC WATER BACKFLOW PREVENTER SCHEDULE

PLAN MARK	MANUFACTURER	SERIES	MODEL NUMBER	LOCATION	USE	TYPE/STYLE	SIZE	SHUT-OFF/SERVICE VALVES	MAXIMUM WORKING PRESSURE, PSI	WATER PIPING CONNECTIONS, INCHES		LEAD FREE	STRAINER	AIR GAP FITTING	DRAIN SIZE	SHIPPING WEIGHT, LBS.	REMARKS
										INLET	OUTLET						
BF-P-1	WATTS REGULATOR	LF909	LF909-QT-FAD-NRS-S	MECH. ROOM	DOMESTIC SERVICE	RPZA	4"	NON-RISING STEM	175	FLANGED	FLANGED	YES	YES	909AG-K	3" IPS	418	NOTE 1 AND NOTE 2
BF-P-2	WATTS REGULATOR	LF909	LF909-QT-S	LEVEL 3 (RM 375)	MAKE-UP WATER	RPZA	3/4"	QUARTER TURN BALL	175	THREADED	THREADED	YES	YES	909AG-C	1" IPS	18.0	NOTE 2 AND NOTE 3
BF-P-3	WATTS REGULATOR	LF909	LF909-QT-S	LEVEL 0	DEIONIZED WATER	RPZA	1"	QUARTER TURN BALL	175	THREADED	THREADED	YES	YES	909AG-C	1" IPS	19.0	NOTE 2 AND NOTE 3
BF-P-4	WATTS REGULATOR	LF909	LF909-QT-S	LEVEL 0	MAKE-UP WATER	RPZA	1-1/4"	QUARTER TURN BALL	175	THREADED	THREADED	YES	YES	909AG-F	2" IPS	46.0	NOTE 2 AND NOTE 3
NOTES: 1. SET ON 4" HIGH CONCRETE HOUSEKEEPING PAD - PROVIDE PIPE STANDS AS REQUIRED TO SUPPORT ASSEMBLY. 2. EXTEND DISCHARGE PIPE TO RECEPTOR - TERMINATE WITH AIR-GAP. 3. SUPPORT ASSEMBLY FROM STRUCTURE, DO NOT SUPPORT FROM PIPING.																	

LABORATORY CENTRAL AIR COMPRESSOR

PLAN MARK	MANUFACTURER	SYSTEM MODEL NUMBER	LOCATION	USE	HP	SYSTEM CAPACITY 145 PSIG	SYSTEM BTU/Hr	RECEIVER GALLONS	NOISE LEVEL db (A)	ELECTRICAL DATA			SYSTEM WEIGHT LBS.	DIMSIONS (INCHES)			REMARKS
										VOLTS	PHASE	FLA		LENGTH	WIDTH	HGT.	
AC-1	BEACON MEDAES	LA507T-120V-T	MECH. ROOM	LABORATORY	(3) @ 7.5	51.0	51,536	120	77	480	3	30.9	1997	62.00	66.00	81.9	SEE NOTES
NOTES: 1. SET UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD. 2. REFER TO SPECIFICATION SECTION 226113 - 'COMPRESSED-AIR EQUIPMENT FOR LABORATORY FACILITIES'. 3. EXTEND COPPER DRAIN FULL SIZE TO RECEPTOR.																	

LABORATORY CENTRAL VACUUM

PLAN MARK	MANUFACTURER	SYSTEM MODEL NUMBER	LOCATION	USE	HP	NOMINAL PUMPING SPEED (ACFM/PUMP)	CAPACITY 20" Hg (SCFM/SYSTEM)	CAPACITY 25" Hg (SCFM/SYSTEM)	END PRESSURE "Hg (TORR)	NOISE LEVEL db (A)	RECEIVER GALLONS	ELECTRICAL DATA			DIMSIONS (INCHES)			CONNECTIONS (INCHES)				SYSTEM WEIGHT LBS.	REMARKS
												VOLTS	PHASE	FLA	LENGTH	WIDTH	HGT.	INLET (FNPT)	OUTLET (FNPT)	TANK DRAIN (NPT)	AIR CONN. (NPT)		
VU-1	BEACON MEDAES	LVHT04D-200H-D	MECH. ROOM	LABORATORY	(2) @ 5	79.0	52.0	26.6	28.4	79	200	480	3	14.5	73.00	45.5	67.00	1.50	2.00	1/4	1/4	1809	SEE NOTES
NOTES: 1. SET UNIT ON 4" HIGH CONCRETE HOUSEKEEPING PAD. 2. REFER TO SPECIFICATION SECTION 226219 - 'VACUUM EQUIPMENT FOR LABORATORY FACILITIES'. 3. EXTEND COPPER DRAIN FULL SIZE TO RECEPTOR. 4. PROVIDE MUFFLER AS RECOMMENDED BY THE MANUFACTURER.																							



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CONFORMED SET

01 JUL 2016

1	ADDENDUM 2-1	17 MAR 2016
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

SCHEDULES - PLUMBING

Project No.: 04561.01 Checked by:

P0602