

DRAIN SCHEDULE				
TAG	BASIS OF DESIGN		STRAINER/GRATE	NOTES
	MANUFACTURER	MODEL		
FD-1	JOSAM	30000-6A-49-VP	6" ROUND	1
FD-2	JOSAM	32100-50-81-VP	8" ROUND	1
FCO	JOSAM	55000-1-VP	FLOOR CLEANOUT	
GCO	JOSAM	58680-CO-VP	GRADE CLEANOUT	
WCO	JOSAM	58910-19	WALL CLEANOUT	
1. PROVIDE TRAP PRIMER CONNECTION AND EXTENSION SEE DETAIL.				

GAS WATER HEATER SCHEDULE														
TAG	BASIS OF DESIGN		CAPACITY (GALLONS)	RECOVERY RATE (GPH)	TEMPERATURE RISE (°F)	THERMAL EFFICIENCY	FUEL DATA			ELECTRICAL DATA			TEMPERATURE SETTING (°F)	NOTES
	MANUFACTURER	MODEL					INPUT RATE	TYPE	MAX INLET PRESSURE (INCHES W.C.)	VOLTAGE	PHASE	HERTZ		
GWH-1	PVI INDUSTRIES	CONQUEST 20-L-100A-GCL	100	233	100	97%	199,900 BTUH	NATURAL GAS	14"	120	1	60	140	1
GWH-2	PVI INDUSTRIES	CONQUEST 20-L-100A-GCL	100	233	100	97%	199,900 BTUH	NATURAL GAS	14"	120	1	60	140	1
1. PROVIDE MANIFOLDED WATER HEATERS WITH PRECISION CUT EQUAL LEG PIPING, MANUFACTURER'S MANIFOLD PIPING KIT, OR REVERSE RETURN MANIFOLD ASSEMBLY. COORDINATE FINAL PIPING ARRANGEMENT WITH MFGRS RECOMMENDATIONS.														

THERMOSTATIC MIXING VALVE SCHEDULE										
TAG	BASIS OF DESIGN		DESIGN FLOW (GPM)	FLOW RANGE (GPM)	MAX. P.D. AT DESIGN FLOW	HW SYSTEM TEMPERATURES		CONNECTION SIZES		NOTES
	MANUFACTURER	MODEL				INLET	OUTLET	INLET	OUTLET	
TMV-1	POWERS	LFSH1435-ADQS600	70	0.50 - 95.0	5 PSI	140°F	110°F	2.50"	2.50"	1
TMV-2	POWERS	LFLM496	0.50 - 2.00	0.50 - 4.00	5 PSI	110°F	95°F	0.75"	0.75"	
TMV-3	GUARDIAN	G3800LF	20	20.0 - 30.0	5 PSI	110°F	85°F	1.00"	1.00"	2
TMV-4	GUARDIAN	G3600LF	4	2.00 - 5.50	15 PSI	110°F	85°F	0.50"	0.50"	3
1. PROVIDE THERMOSTATIC MIXING VALVE ASSEMBLY WITH STAINLESS STEEL WALL MOUNTED CABINET AND T/P GAUGES ON INLETS AND OUTLET. 2. DESIGN FLOW AND PRESSURE DROP BASED ON 20GPM SHOWER ASSEMBLY. VALVE SHALL BE LOCKABLE AND LOCATED ABOVE CEILING. 3. DESIGN FLOW AND PRESSURE DROP BASED ON 4GPM EYEWASH ASSEMBLY. VALVE SHALL BE LOCKABLE AND LOCATED CONCEALD AS CLOSE TO FIXTURE AS POSSIBLE.										

TANK SCHEDULE												
TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	TANK TYPE	OPERATING DATA			ASME CODE CONSTRUCTION (YES/NO)	CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	AIR PRE-CHARGE PRESSURE (PSIG)		INLET (IN)	OUTLET (IN)	
ET-1	AMTROL	ST-30VC	MECHANICAL 1175	DHW	EXPANSION	14.00	9.00	55.00	YES	0.75	0.75	1
1. REFER TO MANUFACTURERS RECOMMENDATIONS FOR FINAL PIPING ARRANGEMENT.												

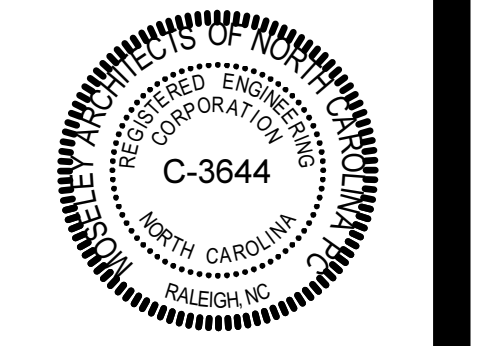
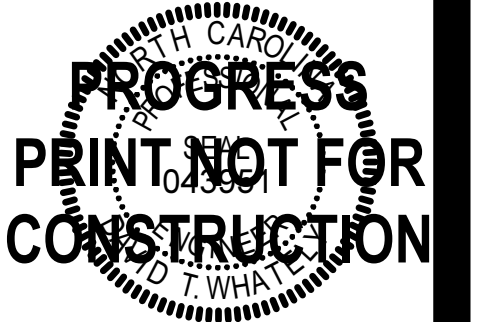
PUMP SCHEDULE																
TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	PUMP TYPE	OPERATING DATA				ELECTRICAL DATA				CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				FLOW (GPM)	PRESSURE (FEET OF HEAD)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)	OUTLET (IN)	
RCP-1	GRUNDFOS	MAGNA3 32-100 F	MECHANICAL 1175	HOT WATER RECIRCULATION	CIRCULATION	8.50	28.00	90%	0.25	3450	120	1	60	1.00	1.00	
1. EDIT NOTES.																

PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURE	HEIGHT A F.F.	BASIS OF DESIGN	PIPE SIZE					NOTES
				COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
EW-1	CEILING EMERGENCY SHOWER STATION	EXTEND HEAD BELOW CEILING	FIXTURE: GUARDIAN G1658PCC VALVE: GUARDIAN G3800LF (TMV-3)		1-1/2"		1-1/2"	1-1/2"	1, 3
EW-2	EMERGENCY COMBINATION EYEWASH/SHOWER STATION	EYEWASH HEADS AT 36" SHOWERHEAD AT 84"	FIXTURE: GUARDIAN GBF1905SSH-BC-AP275-200 VALVE: GUARDIAN G3600LF (TMV-4)		1-1/2"		1-1/2"	1-1/2"	1, 2
EW-1	BI-LEVEL WATER COOLER WITH BOTTLE FILLING STATION	TOP OF BUBBLER AT 39", LOWER AT 34"	FIXTURE: ELKAY LZSTLBWSLP	1/2"			1-1/2"	1-1/2"	1
HB-1	HOSE BIBB	CENTERLINE OF OUTLET AT 18"	FIXTURE: ZURN Z1341XL	3/4"					
MB-1	SERVICE BASIN (24"x24")	RIM AT 12"	FIXTURE: FIAT TS83000 FAUCET: (2) CHICAGO 952-1/2CP	1/2"		1/2"	2"	3"	
NOTES:									
1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE VUSBC AND ASAD 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.									
2. PROVIDE ASSE 1071 EMERGENCY FIXTURE TEMPERING VALVE IN STAINLESS STEEL SURFACE MOUNTED WALL CABINET. PROVIDE WITH ALARM PANEL.									
3. PROVIDE ASSE 1071 EMERGENCY FIXTURE TEMPERING VALVE LOCATED ABOVE CEILING.									

DEIONIZED WATER SCHEDULE															
TAG	BASIS OF DESIGN		FLOW RATES (GPM)			WASTE VOLUME (GPD)	CONNECTIONS				ELECTRICAL DATA				NOTES
	MANUFACTURER	MODEL	MINIMUM	DESIGN PEAK	MAXIMUM		INLET FEED SIZE (INCH)	PRODUCT SUPPLY SIZE	PRODUCT RETURN SIZE	DRAIN SIZE (INCH)	HP	VOLTAGE	PHASE	HERTZ	
DI-1	MAR COR PURIFICATION	CUSTOM DI SKID FLEXA-DP20PP	5	20	50	3500	1.50"	1.50"	N/A	1.00"	1.5 / 6	120 / 220	1	60	1
1. PROVIDE SKID-MOUNTED FULLY-PACKAGED DEIONIZED WATER TREATMENT SKID WITH PRE-TREATMENT ARRANGEMENT "A", UV 254 NM, ASME RESIN TANKS, AUTOMATIC CONTROL VALVES, AND WASTE WATER NEUTRALIZATION SYSTEMS. UNIT SHALL PROVIDE 18.2 Mcmh DI SERVICE AND MONITOR DI QUALITY.															

AIR COMPRESSOR SCHEDULE														
TAG	BASIS OF DESIGN		LOCATION	TANK VOLUME (GAL)	OPERATING DATA			ELECTRICAL DATA				CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL			AIR FLOW (CFM)	MAX WORKING PRESSURE (PSI)	DESIGN SYSTEM PRESSURE (PSI)	VOLTAGE	PHASE	HERTZ	HP	INLET (IN)	OUTLET (IN)	
EX-AC-1	CHICAGO-PNEUMATICS	QRS-25	CHILLER ROOM	132	100.00	175	125	480	3	60	25.00	2.00	2.00	1
1. RELOCATED EXISTING PNEUMATICS COMPRESSOR AND PROVIDE ADDITIONAL AIR FILTRATION AS INDICATED FOR CA AND LA SYSTEM DISTRIBUTION. UNIT PROVIDED WITH INTEGRAL AIR DRYER AND RECEIVER.														

VACUUM PUMP SCHEDULE														
TAG	BASIS OF DESIGN		LOCATION	TANK VOLUME (GAL)	OPERATING DATA			ELECTRICAL DATA				CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL			CAPACITY AT DESIGN VAC	DESIGN VAC PRESSURE	VAC END PRESSURE	VOLTAGE	PHASE	HERTZ	HP	INLET (IN)	OUTLET (IN)	
VP-1	BEACON-MEDIAES	LVHV040-060H-D	CHILLER ROOM	60	58 CFM	19" HgV	28" HgV	208	3	60	4.00	2.00	2.00	1
1. PROVIDE FULLY-PACKAGED, SKID-MOUNTED, DUPLEX VACUUM UNIT WITH ALTERNATING LEAD/LAG OPERATION, INTEGRAL PRE/POST FILTRATION, CONTROL PANEL, ALARMS, BAS CONNECTIVITY, ISOLATION SYSTEM, FLEX-CONNECTIONS, AUTOMATIC PURGE SYSTEM, RECEIVER BYPASS, AND DISCHARGE MANIFOLD.														



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REVISIONS	
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