HEATING HOT WATER BOILERS

UNIT NO.	MANUFACTURER & MODEL NO.	HEATING CAPACITY (M.B.H.) INPUT	HEATING CAPACITY (M.B.H.) OUTPUT	EFF%	G.P.M.	ENT. WATER (°F.)	LVG. WATER (°F.)	P.D. (FT.)	CONTROLS V. / PH. / HZ	CONTROLS AMPS	ELECTRICAL V. / PH. / HZ	ELECTRICAL HP	OPER. WT. (LBS.)	REMARKS
B 1	PARKER T5700LR	5700	4788	84	320	150	180	2.5	115/1/60	5	460/3/60	5	10,500	LO NOX – HIGH EFFICIENCY, BOTTOM MANIFOLD, PROVIDE VENT STACK WITH BAROMETRIC DAMPER, PROVIDE ON STANDBY POWER.
B 2	PARKER T5700LR	5700	4788	84	320	150	180	2.5	115/1/60	5	460/3/60	5	10,500	LO NOX – HIGH EFFICIENCY, BOTTOM MANIFOLD, PROVIDE VENT STACK WITH BAROMETRIC DAMPER.

STEAM BOILERS

UNIT NO.	MANUFACTURER & MODEL NO.	HEATING CAPACITY (M.B.H.) INPUT	HEATING CAPACITY (M.B.H.) OUTPUT	HP	EFF%	STEAM CAP. (LBS/HR)	CONTROLS V. / PH. / HZ	CONTROLS AMPS	ELECTRICAL V. / PH. / HZ	ELECTRICAL HP	OPER. WT. (LBS.)	REMARKS
SB 1	PARKER 70L	2940	2345	70	80	2,415	115/1/60	5	460/3/60	2	7,500	LO NOX, PROVIDE VENT STACK WITH BAROMETRIC DAMPER. SET AT 90 PSI
SB 2	PARKER 103-9.5	398	318	9.5	80	328	115/1/60	15	N/A	N/A	2000	PROVIDE VENT STACK WITH BAROMETRIC DAMPER. SET AT 95 PSI

CONDENSATE RETURN PUMP

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	TYPE	FLOW RATE (GPM)	DISCHARGE PRESSURE (P.S.I.G.)	RECEIVER GALLONS	ELECTRICAL VOLTAGE V. / PH. / HZ	ELECTRICAL H.P.	OPER. WT. (LBS.)	REMARKS/OPTIONS
CRP 1	SPIRAX SARCO VJS 45	CAGE WASH ROOM	CAST IRON	6.0	60	21	460 / 3 / 60	(2) 1/2	–	TEFC MOTOR. NEMA 3 ENCLOSED SERIES 700 CONTROL PANEL. HOA PILOT LIGHT DISCONNECT, AND ALARM CONNECTS.

STEAM PRESSURE REDUCING VALVES

UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE	SIZE (IN.)	FLOW (# / HR)	Cv	INLET PRESSURE (P.S.I.)	OUTLET PRESSURE (P.S.I.)	REMARKS
PRV 1	SPENCE E50	CAGEWASH AND GLASSWASH EQUIPMENT	2"	2,743	43.0	82	77	FULL PORT PILOT OPERATED

ASI 009

STEAM TRAPS

UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE	TYPE	PIPE CONN. (SIZE)	ORIFICE SIZE	CONDENSATE FLOW RATE (LBS. / HR.)	INLET PRESS. P.S.I. AT MAX.	PRESSURE DIFFERENTIAL (PSI)	REMARKS
ST 1	SPIRAX SARCO FT-125	STEAM HEADER	F & T	3/4"	.125	750	75	40	
ST 2	SPIRAX SARCO FT-125	STEAM LINE DRAIN	F & T	1"	.125	750	75	40	
ST 3	SPIRAX SARCO FT-125	BRANCH ST DRAIN	F & T	3/4"	.125	750	75	40	

WATER CHILLERS

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	CAPACITY (TONS OF REFR.)	COOLER G.P.M.	COOLER E.W.T. (°F.)	COOLER L.W.T. (°F.)	COOLER P.D. (FT.HD.)	COOLER NO. OF PASSES	CONDENSER G.P.M.	CONDENSER E.W.T. (°F.)	CONDENSER L.W.T. (°F.)	CONDENSER P.D. (FT.HD.)	CONDENSER NO. OF PASSES	ELECTRICAL K. W.	ELECTRICAL L.R.A.	ELECTRICAL MCA	ELECTRICAL MOCP	ELECTRICAL VOLTAGE V. / PH. / HZ	OPER. WT. (LBS.)	E-POWER	REMARKS
CH 1	TRANE CVHE	CHILLER ROOM 1904	425	725	56	42	21.6	3	1275	85	95	13.0	2	240.2	2234	416	700	460/3/60	27,000	NO	VFD
CH 2	TRANE CVHE	CHILLER ROOM 1904	425	725	56	42	21.6	3	1275	85	95	13.0	2	240.2	2234	416	700	460/3/60	27,000	NO	VFD
CH 3	SMARDT WA062.2AI.33N	CHILLER ROOM 1904	150	290	56	42	10.1	3	450	85	95	21.5	3	112.7	157.2	225	325	460/3/60	9,000	NO	

COOLING TOWERS

UNIT NO.	MANUFACTURER & MODEL NO.	CAPACITY (NOM. TONS)	AMB. AIR (°F.W.B.)	FLOW (G.P.M.)	W.P.D. (FT.HD.)	E.W.T. (°F)	L.W.T. (°F)	FAN MOTOR QUANT.	FAN MOTOR H.P.	FAN MOTOR V./PH./HZ.	OPER. WT. (LBS.)	REMARKS
CT 1A	EVAPCO USS 29-924	425	74	1275	15.2	95	85	1	30	460/3/60	19,430	PROVIDE SUPER LOW SOUND FAN, SUMP SWEEPER PIPING, VFD, FACTORY FURNISHED ELECTRONIC MAKEUP WATER VALVE, EXTERNAL SERVICE PLATFORM WITH 4 FT. EXTENSION FLAT-RUNG LADDER, AND 2-POLE VIBRATION CUT-OUT SWITCH FOR EACH CELL. EACH CELL SHALL BE DESIGNED FOR INDEPENDENT OPERATION.
CT 1B		425	74	1275	15.2	95	85	1	30	460/3/60		

WATER TREATMENT

UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE	ELECTRICAL H.P.	ELECTRICAL V./PH./HZ.	OPER. WT. (LBS.)	REMARKS
WT 1A	LAKOS TCX-0145-SRV	CT 1A	5	460/3/60	1,000	
WT 1B	LAKOS TCX-0145-SRV	CT 1B	5	460/3/60	1,000	

PUMPS

UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE	LOCATION	TYPE	G.P.M.	FT. HD.	MIN. EFF. %	NPSH	ELECTRICAL PUMP R.P.M.	ELECTRICAL MOTOR H.P.	ELECTRICAL V./PH./HZ.	ELECTRICAL EMERG. POWER	ELECTRICAL VFD OR STARTER	OPER. WT. (LBS.)	REMARKS
P 1.01	BELL & GOSSETT SERIES 1510 4GB	CHILLED WATER	CHILLER 1904	CENT.	725	120	79.2	10.0	1750	40	460/3/60	NO	VFD	1,200	
P 1.02	BELL & GOSSETT SERIES 1510 4GB	CHILLED WATER	CHILLER 1904	CENT.	725	120	79.2	10.0	1750	40	460/3/60	NO	VFD	1,200	
P 1.03	BELL & GOSSETT SERIES 1510 4GB	CHILLED WATER	CHILLER 1904	CENT.	725	120	79.2	10.0	1750	40	460/3/60	NO	VFD	1,200	BACKUP PUMP
P 1.11	BELL & GOSSETT SERIES 1510 2-1/2 BB	CHILLED BEAM CHILLED WATER	CHILLER 1904	CENT.	280	70	76.2	8.2	1750	10	460/3/60	NO	VFD	400	
P 1.12	BELL & GOSSETT SERIES 1510 2-1/2 BB	CHILLED BEAM CHILLED WATER	CHILLER 1904	CENT.	280	70	76.2	8.2	1750	10	460/3/60	NO	VFD	400	BACKUP PUMP
P 2.01	BELL & GOSSETT SERIES 1510 6E	CONENSER WATER	EQUIPMENT YARD	CENT.	1275	85	81.0	11.3	1750	40	460/3/60	NO	VFD	1,000	
P 2.02	BELL & GOSSETT SERIES 1510 6E	CONENSER WATER	EQUIPMENT YARD	CENT.	1275	85	81.0	11.3	1750	40	460/3/60	NO	VFD	1,000	
P 2.03	BELL & GOSSETT SERIES 1510 6E	CONENSER WATER	EQUIPMENT YARD	CENT.	1275	85	81.0	11.3	1750	40	460/3/60	NO	VFD	1,000	BACKUP PUMP
P 4.01	BELL & GOSSETT SERIES 80 5x5x7	PRIMARY HEATING HOT WATER	ROOF	IN-LINE	320	15	79	4.1	1150	2	460/3/60	YES	STARTER	400	
P 4.02	BELL & GOSSETT SERIES 80 5x5x7	PRIMARY HEATING HOT WATER	ROOF	IN-LINE	320	15	79	4.1	1150	2	460/3/60	NO	STARTER	400	
P 4.11	BELL & GOSSETT SERIES 1510 4GB	SECONDARY HEATING HOT WATER	ROOF	CENT.	640	118	79.2	9.4	1750	30	460/3/60	YES	VFD	950	PROVIDE INERTIA BASE
P 4.12	BELL & GOSSETT SERIES 1510 4GB	SECONDARY HEATING HOT WATER	ROOF	CENT.	640	118	79.2	9.4	1750	30	460/3/60	NO	VFD	950	PROVIDE INERTIA BASE. BACKUP PUMP
P 6.1	BURKS 35CT6M	STEAM BOILER FEEDWATER	ROOF	TURBINE	4	40	–	–	3450	1/2	460/3/60	NO	STARTER		PROVIDE WITH FWT-1 PACKAGE
P 6.2	BURKS 35CT6M	STEAM BOILER FEEDWATER	ROOF	TURBINE	4	40	–	–	3450	1/2	460/3/60	NO	STARTER		PROVIDE WITH FWT-1 PACKAGE
P 6.3	BURKS 315CS6M	STEAM BOILER FEEDWATER	ROOF	TURBINE	15.2	40	–	–	3450	1 1/2	460/3/60	NO	STARTER		PROVIDE WITH FWT-1 PACKAGE
P 6.4	BURKS 315CS6M	STEAM BOILER FEEDWATER	ROOF	TURBINE	15.2	40	–	–	3450	1 1/2	460/3/60	NO	STARTER		PROVIDE WITH FWT-1 PACKAGE

EXPANSION TANKS

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	CAPACITY (GALS.) TANK	CAPACITY (GALS.) ACCEPTANCE	SIZE DIA. x H. (IN.)	OPER. WT. (LBS.)	REMARKS
ET 1	WESSELS NLA 85	CHILLER ROOM 1904	CHW SYSTEM	23	23	16"x37"	90	
ET 2	WESSELS NLA 130	ROOF	HHW SYSTEM	35	35	20"x37"	125	

TANKS

UNIT NO.	MANUFACTURER & MODEL NO.	LOCATION	SERVICE	TANK VOLUME (GALLON)	SIZE DIA. x H. (IN.)	OPER. WT. (LBS.)	REMARKS
BT 1	CEMLINE CWB1040	CHILLER ROOM 1904	CHW BUFFER TANK	1040	60"x96"	10,000	–
BT 2	CEMLINE VS005EB-SL	ROOF	HHW BUFFER TANK	500	48"x93"	5,000	–
BDT 1	PARKER BDT3672	ROOF	STEAM BOILER BLOWDOWN	189	36"x103"	5,000	PROVIDE W/ BLOWDOWN COOLING ASSEMBLY
FTW 1	PARKER WRH3660	ROOF	STEAM BOILER SYSTEM	264	36"x65"	800	PROVIDE WITH PRE-HEATER AND ELECTRIC WATER FILL

MAKE-UP AIR UNIT

UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE AREA	SUPPLY FAN CFM	SUPPLY FAN E.S.P. (IN.)	SUPPLY FAN FRPM	SUPPLY FAN BHP	EXHAUST FAN CFM	EXHAUST FAN E.S.P. (IN.)	EXHAUST FAN FRPM	EXHAUST FAN BHP	HEATING TYPE	HEATING GAS TYPE	TEMPERATURE (DEG. F) WINTER DB	TEMPERATURE (DEG. F) MAX DELTA	TEMPERATURE (DEG. F) MAX LAT	ENERGY (MBH) INPUT	ENERGY (MBH) OUTPUT	ENERGY (MBH) EFFICIENCY	CONNECTION GAS (IN)	BLDG. GAS PRESSURE	CONTROL ACCESS	ELECTRICAL MOTOR RPM	ELECTRICAL MOTOR H.P.	ELECTRICAL V./PH./HZ.	ELECTRICAL MCA	ELECTRICAL EMERG. POWER	OPER. WT. (LBS.)	REMARKS
MAU 1	GREENHECK MODEL DGX-108-H12	KITCHEN 2015	1,020	0.25	1307	0.471	1,275	1.0	1460	0.35	DIRECT GAS	NATURAL	38	32	70	35.92	33.05	92.01%	3/4"	1/2 PSI	LEFT SIDE	1725	(2) 3/4	460/3/60	–	NO	661	2" DISPOSABLE FILTER MERV-8, SINGLE-POINT POWER CONNECTION, LEFT-SIDE ACCESS AND GAS CONNECTION. PROVIDE WITH INTEGRATED CONTROL PANEL, PROVIDE WITH MANUFACTURER'S COMMON CURB AND FAN PACK EXTENSION.

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100% CD	05/08/2009
CD 4	01/07/2010
COB 1 2	02/26/2010
COB 2 2	02/26/2010
CD 4	04/15/2010
RW PERMIT	05/05/2010
ASI#008 R1 1	07/01/2010
ASI#005 1	07/06/2010
ASI#009 1	08/09/2010
ASI#004 1	07/12/2010
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ASI#010 1	08/13/2010
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