

AIR COOLED CHILLER SCHEDULE																															
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	CAPACITY		# OF COMP	MAX KW/TON	MIN COP	MAX IPLV (KW/TON)	EVAPORATOR					CONDENSER		ELECTRICAL										REMARKS				
										FLOW		EWT		LWT		MAX WPD		FOULING FACTOR	AMBIENT OA TEMP		COMPRESSOR MOTOR					CONDENSER FAN MOTORS					
				TONS	[kW]					GPM	[L/s]	°F	[°C]	°F	[°C]	FT	[kPa]		°F	[°C]	# COMP	HP (EACH)	[kW]	PHASE	VOLT	# FANS		NOMINAL HP (EA)	POWER [W]	PHASE	VOLT
1-ACCH1	BLDG 1	AREAS A,B,C	SCROLL	57.4	[200]	4	1.17	3	0.77	98.4	[8]	56	[13]	42	[8]	5.7	[17]	0.0001	95	[35]	4	15	[11]	3	208	4	2	[1500]	3	208	
NOTES																															
1. SEE SPECIFICATIONS FOR OTHER APPLICABLE ENGINEERING REQUIREMENTS.																															
2. "MAX KW/TON" AND "MIN COP" SPECIFIED ARE AT DESIGN CONDITIONS INDICATED. KW/TON INCLUDES CONDENSER FANS.																															

HOT WATER UNIT HEATER SCHEDULE																						
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE UNIT	AIR FLOW		MIN CAPACITY		TEMPERATURES				FLOW		WPD		CONTROL SEQUENCE	MOTOR					REMARKS
								EAT		EWT							POWER		PHASE	VOLT	RPM	
				CFM	[L/s]	BTUH	[W]	*F	[*C]	*F	[*C]	GPM	[L/s]	FT	[Pa]		HP	[W]				
1-HWHU1	MECH RM 178	MECH RM	HORIZONTAL	395	[190]	13.1	[4]	60	[16]	180	[82]	1.3	0.08	0.05	[1]	C-1	0.021	[16]	1	120	1750
1-HWHU2	MECH RM 149	MECH RM	HORIZONTAL	395	[190]	13.1	[4]	60		180		1.3	0.08	0.05	[1]	C-1	0.021	[16]	1	120	1750
1-HWHU3	MECH RM 146	MECH RM	HORIZONTAL	395	[190]	13.1	[4]	60		180		1.3	0.08	0.05	[1]	C-1	0.021	[16]	1	120	1750

HOT WATER HEATING BOILER SCHEDULE																													
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	FLUID								BOILER				% EFF	NATURAL GAS SUPPLY PRESSURE	FUEL	RELIEF VALVE SETTING	ELECTRICAL				REMARKS				
					FLOW		EWT		LWT		WPD		POWER		OUTPUT GENERATED						MAX HEAT INPUT		POWER			PHASE		VOLT	
					GPM	[LPS]	°F	[°C]	°F	[°C]	FT	[kPa]	HP	[kW]	MBH	[kW]					MBH	[kW]	HP	[kW]		HP	[W]	PHASE	VOLT
1-BHW1	MECH RM 149	AREAS A,B,C	BUILDING HOT WATER	CONDENSING	100	[8]	180	[82]	160	[71]	18	[54]	29.5	[290]	987	[290]	1050	[310]	96	14	[3500]	NG	80	[550]	1	[750]	1	120	PROVIDE BOILER CIRCULATING PUMP.
1-BHW2	MECH RM 149	AREAS A,B,C	BUILDING HOT WATER	CONDENSING	100	[8]	180	[82]	160	[71]	13	[39]	29.5	[290]	987	[290]	1050	[310]	96	14	[3500]	NG	80	[550]	1	[750]	1	120	PROVIDE BOILER CIRCULATING PUMP.

PUMP SCHEDULE																						
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	TYPE	CIRCULATING FLUID										MIN % EFF	ELECTRICAL MOTOR						REMARKS
					FLUID	FLOW		HEAD		NPSH AVAILABLE		TEMPERATURE		SP GR		NOMINAL POWER		PHASE	VOLT	MAX RPM	SPEED CONTROL	
						GPM	[L/s]	FT	[kPa]	FT	[kPa]	°F	[°C]			HP	[kW]					
1-P1	MECH RM 149	AREAS A,B,C	CHILLED WATER	VERT. IN-LINE	CHILLED WATER	93	[8]	69	[1100]	N/A	N/A	42	[6]	1	58	5	[4]	3	208	1750	VARIABLE	----
1-P2	MECH RM 149	AREAS A,B,C	CHILLED WATER	VERT. IN-LINE	CHILLED WATER	93	[6]	69	[1100]	N/A	N/A	42	[6]	1	58	5	[4]	3	208	1750	VARIABLE	----
1-P3	MECH RM 149	AREAS A,B,C	HEATING WATER	VERT. IN-LINE	BUILDING HEATING WATER	94	[6]	44	[700]	N/A	N/A	180	[82]	1	72	2	[2]	3	208	1750	VARIABLE	----
1-P4	MECH RM 149	AREAS A,B,C	HEATING WATER	VERT. IN-LINE	BUILDING HEATING WATER	94	[6]	44	[700]	N/A	N/A	180	[82]	1	72	2	[2]	3	208	1750	VARIABLE	----

CHILLED WATER COOLING COIL SCHEDULE																														
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW		MAX FACE VELOCITY		APD		EAT				LAT				TOTAL CAPACITY		SENSIBLE CAPACITY		CHILLED WATER								REMARKS
										Db		Wb		Db		Wb						FLOW		EWT		LWT		WPD		
				CFM	[L/s]	FPM	[M/s]	IN WG	[Pa]	*F	[*°C]	*F	[*°C]	*F	[*°C]	*F	[*°C]	MBH	[kW]	MBH	[kW]	GPM	[L/s]	*F	[*°C]	*F	[*°C]	FT	[M]	
1-CWC1	MECH RM 178	AREA A	1-AHU1	5300	[2500]	400	[2]	0.53	[130]	84.7	[29]	88.4	[20]	53.1	[12]	52.5	[11]	259.6	[76]	183.3	[54]	36.3	[2]	42	[6]	56	[13]	10.2	[3]	-----
1-CWC2	MECH RM 149	AREA B	1-AHU2	5800	[2700]	393	[2]	0.52	[130]	81.1	[27]	65.0	[18]	51.1	[11]	50.6	[10]	242.6	[71]	190.2	[56]	34.1	[2]	42		56		9.7	[3]	-----
1-CWC3	MECH RM 146	AREA C	1-AHU3	4200	[2000]	411	[2]	0.52	[130]	80.0	[27]	65.1	[18]	52.9	[12]	159.6	[71]	159.6	[47]	124.3	[36]	22.0	[1]	42		56		5.1	[2]	-----
NOTE																														
THE COOLING COIL FIN SPACING SHALL NOT EXCEED 132 FINS PER FOOT [400 FINS PER METER].																														

HOT WATER HEATING COIL SCHEDULE																										
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	APPLICATION	AIR FLOW		MAX FACE VELOCITY		APD		TEMPERATURES				TOTAL MIN CAPACITY	HOT WATER								% GLYCOL	REMARKS	
											EAT		LAT			FLOW		EWT		LWT		WPD				
					CFM	[L/s]	FPM	[M/s]	IN WG	[Pa]	*F	[*C]	*F	[*C]	MBH	[kW]	GPM	[L/s]	*F	[*C]	*F	[*C]	FT	[kPa]		
1-HWHC1	MECH RM 178	AREA A	1-AHU1	PREHEAT	5300	[2500]	488	[3]	0.12	[30]	35.0	[2]	55.0	[13]	114.6	[390]	11.7	[1]	180	[82]	160	[71]	0.84	[3]	0	INTEGRAL FACE & BYPASS
1-HWHC2	MECH RM 149	AREA B	1-AHU2	PREHEAT	5800	[2700]	471	[2]	0.11	[28]	35.0	[2]	55.5	[13]	128.4	[440]	12.8	[1]	180	[82]	160	[71]	1.07	[3]	0	INTEGRAL FACE & BYPASS
1-HWHC3	MECH RM 146	AREA C	1-AHU3	PREHEAT	4200	[2000]	571	[3]	0.20	[50]	35.0	[2]	56.7	[14]	98.4	[340]	9.2	[1]	180	[82]	160	[71]	0.82	[3]	0	INTEGRAL FACE & BYPASS

FAN SCHEDULE																											
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW		TSP	FAN										MOTOR ELECTRICAL								CONTROL SEQUENCE	REMARKS	
							TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION, AND DISCHARGE	DIAMETER		MIN % EFF	DRIVE	FAN MAX RPM	NOMINAL POWER			PHASE	VOLT	RPM	SPEED CONTROL					
				CFM	[L/s]	IN					[Pa]	IN				[mm]	BHP	HP					[kW]				
1-SF1	MECH RM 178	AREA A	1-AHU1	6120	[2900]	4.1	[1000]	DOUBLE WIDTH DOUBLE INLET	AF	2	ARR 3, C.W.ROTATION, VERT DISCHARGE	16	[400]	65%	BELT	2861	6.02	7.5	[8]	3	208	1750	VARIABLE		---		
1-SF2	MECH RM 149	AREA B	1-AHU2	7210	[3400]	4	[1000]	DOUBLE WIDTH DOUBLE INLET	AF	2	ARR 3, C.W.ROTATION, VERT DISCHARGE	16	[400]	60%	BELT	2894	7.56	10	[8]	3	208	1750	VARIABLE		---		
1-SF3	MECH RM 146	AREA C	1-AHU3	4810	[2300]	4.2	[1100]	DOUBLE WIDTH DOUBLE INLET	AF	2	ARR 3, C.W.ROTATION, VERT DISCHARGE	15	[380]	62%	BELT	2846	5.13	7.5	[8]	3	208	1750	VARIABLE		---		
1-RF1	MECH RM 178	AREA A	1-AHU1	4150	[2000]	1.5	[380]	DOUBLE WIDTH DOUBLE INLET	AF	1	ARR 3, C.W.ROTATION, VERT DISCHARGE	16	[400]	57%	BELT	1784	1.81	3	[2]	3	208	1750	VARIABLE		----		
1-RF2	MECH RM 149	AREA B	1-AHU2	6365	[3000]	1.5	[380]	DOUBLE WIDTH DOUBLE INLET	AF	1	ARR 3, C.W.ROTATION, VERT DISCHARGE	20	[500]	56%	BELT	1384	2.72	5	[4]	3	208	1750	VARIABLE		----		
1-RF3	MECH RM 146	AREA C	1-AHU3	4140	[2000]	1.5	[380]	DOUBLE WIDTH DOUBLE INLET	AF	1	ARR 3, C.W.ROTATION, VERT DISCHARGE	16	[400]	57%	BELT	1779	1.8	3	[2]	3	208	1750	VARIABLE		----		
1-EF1	ROOF	AREA A	TOILET EXHAUST	1970	[900]	0.5	[130]	DOWNBLAST CENTRIFUGAL	BI	1	N/A	13.5	[340]	38%	BELT	1488	0.47	0.5	[1]	1	115	1750	CONSTANT		PROVIDE BACKDRAFT DAMPER, ROOF CURB, & DISCONNECT.		
1-EF2	ROOF	AREA B	LAUNDRY EXHAUST	360	[170]	0.25	[63]	DOWNBLAST CENTRIFUGAL	BI	1	N/A	10	[250]	24%	BELT	1126	0.07	0.167	[1]	1	115	1750	CONSTANT		PROVIDE BACKDRAFT DAMPER, ROOF CURB, & DISCONNECT.		
1-EF3	ROOF	AREA B	TOILET EXHAUST	825	[390]	0.5	[130]	DOWNBLAST CENTRIFUGAL	BI	1	N/A	10	[250]	39%	BELT	1792	0.2	0.25	[1]	1	115	1750	CONSTANT		PROVIDE BACKDRAFT DAMPER, ROOF CURB, & DISCONNECT.		
1-EF4	ROOF	AREA C	TOILET EXHAUST	670	[320]	0.5	[130]	DOWNBLAST CENTRIFUGAL	BI	1	N/A	10	[250]	36%	BELT	1792	0.14	0.17	[1]	1	115	1750	CONSTANT		PROVIDE BACKDRAFT DAMPER, ROOF CURB, & DISCONNECT.		
1-EF5	ROOF	AREA B	1-HD1	750	[350]	0.75	[190]	UPBLAST CENTRIFUGAL	BI	1	N/A	12	[300]	-	BELT	1531	-	0.25	[1]	1	115	1750	CONSTANT		PROVIDE HINGED TOP, VENTED ROOF CURB, GREASE BOX, & DISCONNECT. UL782 LISTED FAN.		
1-EF6	ROOF	AREA B	1-HD2	750	[350]	0.75	[190]	UPBLAST CENTRIFUGAL	BI	1	N/A	12	[300]	-	BELT	1531	-	0.25	[1]	1	115	1750	CONSTANT		PROVIDE HINGED TOP, VENTED ROOF CURB, GREASE BOX, & DISCONNECT. UL782 LISTED FAN.		
NOTE																											
ALL SELECTIONS ARE BASED ON AN ALTITUDE OF 1,260 FT.																											