

PACKAGED AIR COOLED SCROLL/HELICAL ROTARY SCREW CHILLER SCHEDULE

UNIT NO.	LOCATION	CAP. (TONS)	NO. OF COMPRESSORS	REFRIGERATION TYPE	CHILLED WATER FLOW RATE (GPM)		FLUID	P.D. (ft. HD)	ENT. WATER TEMP. (° F)	LVG. WATER TEMP. (° F)	FOULING FACTOR	CONDENSER					MINIMUM EFFICIENCY (EER)		ELECTRICAL				SOUND PRESSURE RATING (dBA)	PHYSICAL CHARACTERISTICS NOMINAL DIMENSIONS				MANUFACTURER & MODEL No.	REMARKS	
					DESIGN	MINIMUM						LOW AMB. (° F)	HIGH AMB. (DEG. F)	ENT. AIR TEMP (DEG. F)	NO. FANS	FAN DIA. (in.)	FULL LOAD	IPLV	TEST PROCEDURE	VOLTS	PH	MCA		MOP	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)			WEIGHT (LBS)
CH-01	ON GRADE	40.3	4	R-410A	80	67	WATER	9.59	54	42	.0001	0	125	95	4	30	10.74	17.12	AHRI 550/590	208	3	242	250	58	94	88	1000	3090	DAIKIN MCQUAY AGZ045E	1,2,3,4,5

- REMARKS:
1. PROVIDE SINGLE POINT CONNECTION FROM MANUFACTURER.
 2. PROVIDE UNIT WITH REMOTE EVAPORATOR HEAT EXCHANGER FROM MANUFACTURER.
 3. PROVIDE SPRING ISOLATOR KIT FROM MANUFACTURER.
 4. PROVIDE FLOW SWITCH FROM MANUFACTURER.
 5. PROVIDE 3/4" SINGLE LAYER INSULATION ON REMOTE EVAPORATOR FROM MANUFACTURER.
 6. PROVIDE WITH FACTORY STRAINER KIT AND COMPRESSOR BLANKETS
 7. PROVIDE WITH VFD CONDENSER FANS AND GRILLES OVER CONDENSER

BOILER SCHEDULE - HOT WATER - CONDENSING - NATURAL GAS

UNIT NO.	LOCATION	SERVICE	TYPE	BOILER HP	INPUT MBH	OUTPUT MBH	TURN DOWN RATIO	MIN. GAS PRESSURE BEFORE REGULATOR	FLUID	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	FLOW RATE GPM (DESIGN)	DESIGN P.D. (FT. HD)	MAX WORKING PRESSURE (PSI)	RELIEF VALVE SETTING (PSI)	FLUE SIZE (IN.)	MIN. EFF. REQ.		ELEC. CHARACTERISTICS				MANUFACTURER & MODEL No.	REMARKS
																	EFF %	TEST PROC.	VOLTS	HZ	PH.	FLA		
B-01	MECH ROOM	HEATING	STAINLESS STEEL WATER TUBE	11.9	399.0	386.0	5 TO 1	11	WATER	115	140	32	11.5	160	75	4	96.5	AFUE	120	60	1	6	LAARS NEOTHERM NTH-399	1,2,3
B-02	MECH ROOM	HEATING	STAINLESS STEEL WATER TUBE	11.9	399.0	386.0	5 TO 1	11	WATER	115	140	32	11.5	160	75	4	96.5	AFUE	120	60	1	6	LAARS NEOTHERM NTH-399	1,2,3

- REMARKS:
1. PROVIDE FLOW SWITCH.
 2. PROVIDE LOW WATER CUT OFF.
 3. PROVIDE WITH BOILER PUMP BY SAME MANUFACTURER

PUMP SCHEDULE

PUMP NO.	LOCATION	SERVICE	UNIT TYPE & DESCRIPTION	PUMP CAPACITY		MOTOR CHARACTERISTICS					IMPELLER SIZE (DIA. In.)	FLUID TEMP. (DEG. F)	MIN. PUMP EFF. (%)	MAX. BHP	SUCTION & DISCHARGE SIZES (In.)	TRIPLE DUTY VALVE SIZE (In.)	SUCTION DIFFUSER SIZE (In.)	MANUFACTURER & MODEL NO.	REMARKS
				FLOW (GPM)	TOTAL HEAD IN FEET	RPM	HP	VOLTS	PHASE	STARTER									
HXCP-01	BOILER ROOM	CHILLED WATER	CLOSE COUPLED INLINE	68	40	1725	1.5	208	3	COMBO	6.375	42	69.2	1.02	2" / 2"	-	-	B&G E-90 2AB	
DTP-01	BOILER ROOM	DUAL TEMP LOOP	BASE MOUNTED END SUCTION	68	70	1800	3	208	3	COMBO	8.625	68	56.2	2.25	1-1/2" / 1-1/4"	2 -1/2"	1-1/4"	B&G E-1510 1.25BC	
DTP-02	BOILER ROOM	DUAL TEMP LOOP	BASE MOUNTED END SUCTION	68	70	1800	3	208	3	COMBO	8.625	68	56.2	2.25	1-1/2" / 1-1/4"	2 -1/2"	1-1/4"	B&G E-1510 1.25BC	1

- REMARKS:
1. STAND-BY

FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	FAN CHARACTERISTICS				MOTOR CHARACTERISTICS										MANUFACTURER & MODEL NO.		REMARKS
			TYPE	BLADE TYPE	CFM	S.P. (In. WC)	MAX. BHP	SONES	DRIVE	RPM	HP	VOLTS	HZ	PHASE	STARTER				
EF-B10	B10	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-127	127	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-128	128	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-137	137	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-219	219	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-225	225	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-226	226	EXHAUST	CEILING	FC	80	.25	-	.3	DIRECT	1084	24.4	WATTS	120	60	1	INCLUDED	PANASONIC WHISPERGREEN SELECT FV-1115VK2	1,2,4	
EF-LOCKER	LOCKER ROOM	EXHAUST	INLINE	DIFC	275	.75	-	4	DIRECT	1282	105	WATTS	120	60	1	MANUAL W/ RELAY	GREENHECK CSP-A390	2,6	
EF-B09	BEAUTY SALON	EXHAUST	CEILING	DIFC	200	.75	-	4	DIRECT	1230	135	WATTS	120	60	1	MAUNAL W/ RELAY	GREENHECK CSP-A390	2,6	
EF-B02	BOILER ROOM	EXHAUST	INLINE	BI	1000	.5	.17	6.8	DIRECT	1222	1/2	120	60	1	MAUNAL W/ RELAY	GREENHECK SQ-120VG	2,3,5,6		

- REMARKS:
1. PROVIDE RADIATION DAMPER FOR FAN.
 2. PROVIDE BACKDRAFT DAMPER.
 3. PROVIDE ECM MOTOR.
 4. PROVIDE 2 - SPEED FAN SET LOW SPEED AT 25 CFM AND "BOOST" SPEED AT 80 CFM. SPECIFIED MODEL INCLUDES TIME DELAY FUNCTION.
 5. ECM MOTOR (ELECTRONICALLY COMMUTATED) W/ 0-10V INPUT
 6. PROVIDE WITH SPRING ISOLATORS

LOUVER SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	MATERIAL	FINISH	FREE AREA (Sq. Ft.)	DIMENSIONS (APPROX.)			AIR PERFORMANCE			MANUFACTURER & MODEL NO.	REMARKS
							WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)	AIR FLOW (CFM)	VEL. (FPM)	MAX P.D. (IN. WC)		
LV-A	B02	INTAKE	FIXED DRAINABLE	ALUMINUM	KYNAR	1.8	24	24	4	1000	555	.06	AWV LE-23	1,2,3
LV-B	B02	EXHAUST	FIXED DRAINABLE	ALUMINUM	KYNAR	1.8	24	24	4	1000	555	.06	AWV LE-23	1,2,3

- REMARKS:
1. BIRD SCREEN.
 2. COLOR BY ARCHITECT
 3. EXTRUDED SILLS.

EXPANSION TANK SCHEDULE

UNIT NO.	SERVICE	TANK VOLUME, GALLONS	ACCEPTANCE VOLUME, GALLONS	TANK DIA., INCHES	CONNECTION SIZE, INCH NPT	PRECHARGE PRESSURE PSIG	WORKING PRESSURE PSIG	MAX WORKING TEMP	DESIGN EQUIPMENT
ET-01	HEATING LOOP	55.7	22.6	16.25	3/4	12	125	240	BELL & GOSSETT SERIES D-100V

AIR SEPARATOR SCHEDULE

UNIT NO.	SERVICE	GPM	MAX PRESS DROP FT HD	WORKING PRESSURE PSIG	MAX WORKING TEMP	INLET/OUTLET SIZE	STRAINER FREE AREA SQ.IN.	DESIGN EQUIPMENT
AS-01	HEATING LOOP	68	2.5	125	350	2.5"	32	BELL & GOSSETT ROLAIRTROL R-2 1/2

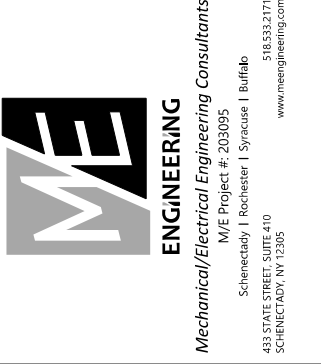
BUFFER TANK SCHEDULE

UNIT NO.	SERVICE	GALLONS	WORKING PRESSURE PSIG	MAX WORKING TEMP	INLET/OUTLET SIZE	WT W/OUT FLUID (LBS)	DESIGN EQUIPMENT
BF-01	COOLING SYSTEM	120	125	450	2.5/2.5	597	WESSEL CBT-120

UNIT HEATER SCHEDULE - ELECTRIC

UNIT NO.	LOCATION	TYPE	CAPACITY MBH	AIR SIDE		ENT. AIR TEMP. (DEG. F)	LVG. AIR TEMP. (DEG. F)	FAN SPEED (RPM)	MOTOR HP	MOUNTING HEIGHT (Ft.-in.)	THROW (Ft.)	ELEC CHARACTERISTICS					MANUFACTURER & MODEL No.	REMARKS
				AIR FLOW (CFM)	AIR TEMP. (DEG. F)							CAPACITY (KW)	NO. OF STEPS	VOLTS	PH	AMPS		
EUH-01	RM B02	HORIZONTAL	17.0	350	50	95	95	1600	1/100	8	12	5	1	208	3	24	QMARK MUH05	1,2,3

- REMARKS:
1. PROVIDE 120 VOLT WALL MOUNTED THERMOSTAT.
 2. PROVIDE WALL BRACKET.
 3. PROVIDE UNIT MOUNTED DISCONNECT.



DATE: 9/18/2020
REVISED:

PROJECT NO: 2020095
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SCALE:
NOTES:

SCHEDULES

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