

CHILLER SCHEDULE																				
SYMBOL	DESCRIPTION	CAPACITY (TONS)	REFRIGERANT	EVAPORATOR DATA				CONDENSER DATA				COMP. ELECTRICAL		MGA MAX	KJ/TON MAX	OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS		
				GPM	EWT °F	LWT °F	NO. OF PASSES	MAX. PRESS. DROP	GPM	EWT °F	LWT °F	NO. OF PASSES	MAX. PRESS. DROP						QTY.	V/F/Hz
CHA 1	RECIPROCATING	206	R-22	380	55	45	2	12	600	85	95	2	20	2	460/3/60	343	26	1850	MCQUAY WHR200DU	

* REFER TO ELECTRICAL DRAWINGS FOR EXACT ELECTRICAL CHARACTERISTICS.

HOT WATER BOILER SCHEDULE														
SYMBOL	TYPE	FUEL	BTU/HR INPUT	MIN. EFFICIENCY	GPM	EWT °F	LWT °F	ASME PRESSURE RATING	ELECTRICAL		OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS	
									HP	V/F/Hz				
BA 1	HOT WATER	GAS FIRED	2,100,000	82 %	160	160	180	160 PSIG	-	120/1/60	1420	RAYPAK H-2100	WITH FLUE AND ROOF CAP.	

* REFER TO ELECTRICAL DRAWINGS FOR EXACT ELECTRICAL CHARACTERISTICS.

COOLING TOWER FILTER SCHEDULE								
SYMBOL	LOCATION	FLOW GPM	MIN. FILTER AREA	ELECTRICAL		OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS
				HP	V/F/Hz			
CTF 1	COOLING TOWER	35	1.71 sq	1	460/3/60	445	PEP SIF-18	

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CIRCULATING PUMP SCHEDULE									
SYMBOL	TYPE	AREA SERVED	GPM	HEAD	MOTOR		MIN. EFF. %	MANUFACTURER # MODEL NO.	REMARKS
					HP	RPM			
P 1	END SUCTION	HEATING HOT WATER	160	70	7.5	1750	68	BELL & GOSSET 1510-2 1/2 BB	W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE
P 2	END SUCTION	CHILLED WATER	380	86.0	15	1750	75	BELL & GOSSET 1510-3E	W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE
P 3	END SUCTION	CHILLED WATER	380	86.0	15	1750	75	BELL & GOSSET 1510-3E	W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE
P 4	END SUCTION	CONDENSER WATER	600	55.3	15	1750	82	BELL & GOSSET 1530-4BC	W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE
P 5	END SUCTION	CONDENSER WATER	600	55.3	15	1750	82	BELL & GOSSET 1530-4BC	W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE

AIR SEPARATOR SCHEDULE						
SYMBOL	DESCRIPTION	GPM	DIMENSIONS	OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS
AS 1	HOT WATER	150	36" H X 10" DIA.	165	B & G ROLAIRTROL R-4 WITH STRAINER	
AS 2	CHILLED WATER	350	36" H X 10" DIA.	220	B & G ROLAIRTROL R-5 WITH STRAINER	

EXPANSION TANK SCHEDULE									
SYMBOL	SERVICE	VOLUME (GALLONS)		DIAMETER	LENGTH	ASME RATED PRESSURE	OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS
		TANK	ACCEPTANCE						
EX 1	HOT WATER	45	24	16"	68"	125 PSI	650	B & G D120	W/ MOUNTING BRACKETS
EX 2	CHILLED WATER	34	19	16"	56"	125 PSI	500	B & G D80	W/ MOUNTING BRACKETS

CHEMICAL FEED SCHEDULE	
SYMBOL	REMARKS
CF 1	SEE SPECIFICATIONS

PLATE AND FRAME HEAT EXCHANGER										
SYMBOL	FLOW (GPM)		INLET TEMP.		P.D. PSI		NO. PLATES	AREA (SQ. FT.)	MANUFACTURER # MODEL NO.	REMARKS
	HOT	COLD	HOT	COLD	HOT	COLD				
HE 1	350	600	58	50	5/16	14.45	91	275 sq	BAC EC5-91-2MH	30485 PLATES, NBR GASKETS.

LOUVER SCHEDULE						
SYMBOL	TYPE	SIZE	MATERIAL	SCREEN	MANUFACTURER # MODEL NUMBER	ACCESSORIES
L-1	STATIONARY LOUVER	36" W X 60" H	EXTRUDED ALUMINUM	BIRDSCREEN	RUSKIN ELF-315	FINISH BY GENERAL CONTRACTOR FILTER RACK 2" THICK STANDARD SIZE FILTERS.
L-2	STATIONARY LOUVER	16" W X 24" H	EXTRUDED ALUMINUM	BIRDSCREEN	RUSKIN ELF-315	FINISH BY GENERAL CONTRACTOR FILTER RACK 2" THICK STANDARD SIZE FILTERS.
L-3	BACKDRAFT DAMPER	48" W X 20" H	EXTRUDED ALUMINUM	-	RUSKIN BD-6-SPC	FINISH BY GENERAL CONTRACTOR

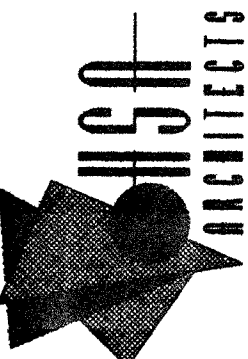
COOLING TOWER SCHEDULE (OPEN CIRCUIT)												
SYMBOL	DESCRIPTION	ENT. WB.	GPM	EWT °F	MAX. LWT °F	FANS		ELECTRICAL		OPER. WT. LBS.	MANUFACTURER # MODEL NO.	ACCESSORIES
						NO.	CFM	HP	V/F/Hz			
CT 1	LOW PROFILE BLOW THRU	74	600	95	85	1	39,940	20	460/3/60	6810	BAC VL-111-L	WITH TAPERED DISCHARGE HOOD 3KW BASIN HEATER

* REFER TO ELECTRICAL DRAWINGS FOR EXACT ELECTRICAL CHARACTERISTICS.
** MOTOR TO BE COMPATIBLE WITH VARIABLE FREQUENCY DRIVE.

REVISION	DESCRIPTION	DATE	REV. BY

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Sheet Title: MECHANICAL SCHEDULES

Job Title: CITY OF LAS VEGAS DEPARTMENT OF PARK AND LEISURE ACTIVITIES
THE ARBORS COMMUNITY CENTER @ SUMMERLIN

Job #: 961001

Date: 2-20-98


Drawn By: DGD

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