

CHILLER SCHEDULE																				
SYMBOL	DESCRIPTION	CAPACITY (TONS)	REFRIGERANT	EVAPORATOR DATA				CONDENSER DATA				COMP. ELECTRICAL QTY.	MCA MAX.	KW/TON MAX.	OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS			
				GPM	ENT. T.	LWT. T.	NO. OF PASSES	MAX. PRESS. DROP	GPM	ENT. T.	LWT. T.							NO. OF PASSES	MAX. PRESS. DROP	
EA	RECIPROCATING	200	R-22	300	55	45	2	12	600	85	95	2	20	2	460/3/60	343	86	1850	MCQUAY WNR200DU	

* REFER TO ELECTRICAL DRAWINGS FOR EXACT ELECTRICAL CHARACTERISTICS.

HOT WATER BOILER SCHEDULE														
SYMBOL	TYPE	FUEL	BTU/HR INPUT	MIN. EFFICIENCY	GPM	ENT. T.	LWT. T.	ASME PRESSURE RATING	ELECTRICAL *		OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS	
									HP	V/PHAZ				
EB	HOT WATER	GAS FIRED	2,100,000	82 %	160	160	180	160 PSIG	-	120/1/60	1400	RATPAK H-2100	WITH FLUE AND ROOF CAP.	

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COOLING TOWER FILTER SCHEDULE								
SYMBOL	LOCATION	FLOW GPM	MIN. FILTER AREA	ELECTRICAL *		OPER. WT. LBS.	MANUFACTURER # MODEL NO.	REMARKS
				HP	V/PHAZ			
ET	COOLING TOWER	35	171 #	1	460/3/60	445	PEP SF-10	

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CIRCULATING PUMP SCHEDULE									
SYMBOL	TYPE	AREA SERVED	GPM	HEAD	MOTOR		MIN. EFF. %	MANUFACTURER # MODEL NO.	REMARKS
					HP	RPM			
EP	END SUCTION	HEATING HOT WATER	160	10	1.5	1750	68	BELL & GOSSET W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE	
EP	END SUCTION	CHILLED WATER	300	86.0	15	1750	75	BELL & GOSSET W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE	
EP	END SUCTION	CHILLED WATER	300	86.0	15	1750	75	BELL & GOSSET W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE	
EP	END SUCTION	CONDENSER WATER	600	55.3	15	1750	82	BELL & GOSSET W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE	
EP	END SUCTION	CONDENSER WATER	600	55.3	15	1750	82	BELL & GOSSET W/ SUCTION DIFFUSER AND TRIPLE DUTY VALVE	

AIR SEPARATOR SCHEDULE								
SYMBOL	DESCRIPTION	GPM	DIMENSIONS	OPER. WT. LBS.	MANUFACTURER # MODEL NO.			REMARKS
					HP	V/PHAZ	REMARKS	
EA	HOT WATER	150	36" H X 10" DIA.	165	3	4	G ROLAIRTROL R-4 WITH STRAINER	
EA	CHILLED WATER	350	36" H X 10" DIA.	220	3	4	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						
EA	HOT WATER	45	24	16"	68"	125 PSI	650	B 4 G D120	W/ MOUNTING BRACKETS
EA	CHILLED WATER	34	19	16"	56"	125 PSI	500	B 4 G D80	W/ MOUNTING BRACKETS

CHEMICAL FEED SCHEDULE	
EA	SEE SPECIFICATIONS

PLATE AND FRAME HEAT EXCHANGER											
SYMBOL	FLOW (GPM)		INLET TEMP.		OUTLET TEMP.		P.D. PSI	NO. PLATES	AREA (SQ. FT.)	MANUFACTURER # MODEL NO.	REMARKS
	HOT	COLD	HOT	COLD	HOT	COLD					
EA	350	600	50	50	52	53.5	5.16	14.45	91	275 #	BAC EC5-91-21H 30486 PLATES, NBR GASKETS.

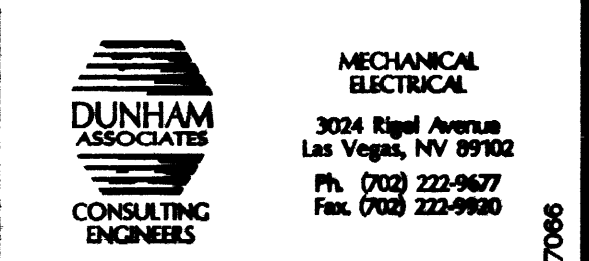
LOUVER SCHEDULE						
SYMBOL	TYPE	SIZE	MATERIAL	SCREEN	MANUFACTURER # MODEL NUMBER	ACCESSORIES
LC	STATIONARY LOUVER	16" W X 24" H	EXTRUDED ALUMINUM	BIRDSCREEN	RUSKIN ELF-3TB	FINISH BY GENERAL CONTRACTOR, FILTER RACK, 2" THICK STANDARD SIZE FILTERS.
LC	BACKDRAFT DAMPER	48" W X 20" H	EXTRUDED ALUMINUM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

COOLING TOWER SCHEDULE (OPEN CIRCUIT)												
SYMBOL	DESCRIPTION	ENT. W.T.	GPM	ENT. T.	MAX. LWT. T.	FANS		ELECTRICAL *		OPER. WT. LBS.	MANUFACTURER # MODEL NO.	ACCESSORIES
						NO.	GPM	HP	V/PHAZ			
ET	LOW PROFILE BLOW THRU	74	600	95	85	1	39,340	20	460/3/60	6820	BAC VL-11-L	WITH TAPERED DISCHARGE HOOD, 3KW BASIN HEATER.

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** MOTOR TO BE COMPATIBLE WITH VARIABLE FREQUENCY DRIVE.

RECORD DRAWINGS
36 OF 56
650.60



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REVISION	DESCRIPTION	DATE	REV. BY

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WAYNE SCHEMME AA
THOMAS M. SILVA AA

Street 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
Check: KJK
Sheet: M1.2
Of: 2 of 10

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