WATER COOLED CHILLER SCHEDULE						
MARK	CH-1	CH-2				
CAPACITY - TONS	223	223				
COND. WATER FLOW - GPM	669	669				
COND. WATER TEMP. ENT./LVG F/F	85/95	85/95				
COND. WATER PRESSURE DROP - FT. W.G.	13	13				
CHILLED WATER FLOW - GPM	536	536				
CHILLED WATER TEMP. ENT./LVG F/F	54/44	54/44				
CHILLED WATER PRESS, DROP - FT, W.G.	A rest	11				
COMPRESSORS - NO.	1	1				
REFRIGERANT TYPE	R-123 GR R-134A	R-123 OR R-134A				
FOULING FACTOR	0.00025	0.00025				
INTEGRATED PART LOAD VALUE (IPLV)	0.60	0.60				
TOTAL POWER INPUT - KW	134	134				
ELECTRICAL - V/#/Hz	460/3/60	460/3/60				
NOTES	1	1				

NOTES: . Total unit kw based on chiller performance at full load conditions.

COOLING TOWER	SCHEDULE	
MARK	CT1	
CAPACITY - TONS	555	
COND. WATER FLOW - GPM	1665	
COND. WATER TEMP. ENT./LVG F/F	95/85	
OUTDOOR AIR TEMP, db/wb - F/F	91/80	
FANS - NO.	8	
MOTOR - HP (EACH FAN)	5	
DRIVE TYPE	DIRECT	
AIR FLOW - CFM EACH FAN	21,000	
BASIN TYPE	TBERGLASS	
BASIN HEATER - KW/STEPS	3/1	
ELECTRICAL - V/ø/Hz	480/3/60	
WEIGHT (OPERATING)	17,000LBS.	
NOTES	1,2,3	

- NOTES:

  1. SELECT UNIT AT INDICATED CAPACITIES. ACTUAL OPERATING CONDITIONS ARE 446 TONS AT 1338 GPM.

  2. UNIT SHALL BE A FACTORY ASSEMBLED, MODULAR FIBERGLASS COOLUMN TOWER.
- 3. PROVIDE A FACTORY FURNISHED MOUNTING SUB STRUCTURE BOTTOM OF COOLING TOWER 6'-0' A.F.F.

MARK	EF-10	EF-11		
FAN TYPE	SIDEWALL PROPELLER FAN	SIDEWALL PROPELLER FAN		
AIR QUANTITY - CFM	2,500	2,500		
EXT. S.P IN. W.G.	0.25	0.25		
DRIVE	BELT	BELT		
SONES (MAXIMUM)	13.0	13.0		
MOTOR - HP	1/2		***************************************	
ELECTRICAL - V/ø/Hz	120/4/	120/1	1	

- MOTOR GUARD, DISCONNECT SWITCH.

ELECTRIC UNIT HEAT	ER SCHED	PULE
4RK	EuH-1	EUH-2
<b>7</b> 2E.	HORIZONTAL DISCHARGE	HORIZONTAL DISCHARGE

400

400

BLOWER MOTOR - HP	1/25	1/25	
HEATER - KW/STEPS	5/1	5/1	
ELECTRICAL - V/Ø/Hz	277/1/60	277/1/60	
MOUNTING HEIGHT	9'-0"	9'-0"	
NOTES	1,2	1,2	

MARK TYPE

SUPPLY AIR - CFM

- NOTES:
  1. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.
  2. PROVIDE WALL MOUNTING BRACKET.



						PUMP	SCHEDU	CEMAN							
MARK	P-1	P-2	P-3	P-4	P-5	P6	mm=7	P-8	2-9	BUILDING 464	BUILDING 466	BUILDING 473	BUILDING 475	BUILDING	
SERVICE	CONDENSER WATER	CONDENSER WATER	PRIMARY CHILLED WATER	PRIMARY CHILLED WATER	SECONDARY CHILLED WATER	SECONDARY HILLED WATER	TERTIARY HILLED VATER	PRIMARY HEATING WATER	SECONDARY HEATING WATER	TERTIARY CHILED WATER	TERTIARY CHILED WATER	TERTIARY CHILED WATER	TERTIARY CHILED WATER	EXISTING CHILED WATER	
WATER FLOW - GPM	669	669	535	535	535	535	237	77	116	133	133	133	107	112	
TOTAL DYNAMIC HEAD - FT. W.G.	75	75	35	35	160	160		16	50	75	75	75	75		
MOTOR - HP	20	20	7 1/2	7 1/2	<b>////////</b> 50	William William	7 1/2	3/4	3	5	5	5	5		
MOTOR SPEED - RPM	1750	1750	1750	1750		1750	750	1750	1750	1750	1750	1750	1750	1750	
ELECTRICAL - V/ø/Hz	460/3/60	460/3/60	460/3/6	60/1060	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	208/3/60	208/3/60	208/3/60	460/3/60		
MINIMUM EFFICIENCY - %	75	75		75	85	65	65	60	55	60	60	60	60	-	
PUMP TYPE	BASE MOUNT ND TION	B E MOUN VD ENL SUCTIO	B SE MO NTE SE SE	MOUNTED END SUCTION	BASE MOUNTED END SUCTION	BASE MOUNTED END SUCTION	BASE MOUNTED END SUCTION	IN-LINE PUMP	BASE MOUNTED END SUCTION	BASE MOUNTED END SUGTION	BASE MOUNTED END SUCTION	BASE MOUNTED END SUCTION	BASE MOUNTED END SUCTION	EXISTING PUMP	
NOTES		1,7,9	1,9	1,9	1,2,5,8,9	1.2.6.8.9	1.2.9	4.9	1,2,9	1.2.3	1.2.3	1.2.3	1.2.3	5	

- KK SERVICE TYPE.
- RT COUPLING TO ACK SERVICE THE.
  UITABLE FOR VARIABLE SPEED CONTROL.
- NEW PUMP.
- EATING WATER BOILER PACKAGE.
- FAR REFERENCE PURPOSES ONLY.
  HALL BE SELECTED FOR PARALLEL
  L PUMP CURVES SHALL INTERSECT THE
  POINT EQUAL TO 75% OF THE TOTAL
- 7. REQUIRED NET POSITIVE SUCTION HEAD SHALL (NPSHR) SHALL NOT EXCEED 15 FEET.
  8. FUTURE CONDITIONS INDICATED. CURRENT SETUP SHALL BE FOR 420.5 GPM. (841 GPM TOTAL SECONDARY SYSTEM).
  9. PUMP SELECTIONS ARE BASED ON EQUIPMENT WATER PRESSURE DROPS INDICATED ON OTHER SCHEDULES.



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EPIC ENGINEERING STATES	

M - 603

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DINING FACETY

Facilities Engineering Command
Southern Division

MECHANICAL SCHEDULES

Charleston, South Carolina