

REPORT- PV-A Plant Design Parameters

WEATHER FILE- SEATTLE BOEING FI WA

*** CIRCULATION LOOPS ***

HEATING DEMAND (MBTU/HR)	COOLING DEMAND (MBTU/HR)	LOOP FLOW (GPM)	TOTAL HEAD (FT)	SUPPLY UA PRODUCT (BTU/HR-F)	SUPPLY LOSS DT (F)	RETURN UA PRODUCT (BTU/HR-F)	RETURN LOSS DT (F)	LOOP VOLUME (GAL)	FLUID HEAT CAPACITY (BTU/LB-F)
DHW Plant 1 Res Loop (1)									
-1.004	0.000	10.0	23.4	0.0	0.00	0.0	0.00	15.0	1.00
Restaurant DHW Loop									
-0.020	0.000	0.1	23.4	0.0	0.00	0.0	0.00	0.2	1.00
DEFAULT-CHW									
0.000	0.000	0.0	0.0	0.0	0.00	0.0	0.00	0.0	1.00
DEFAULT-CW									
0.000	0.000	0.0	0.0	0.0	0.00	0.0	0.00	0.0	1.00

*** PUMPS ***

ATTACHED TO	FLOW (GPM)	HEAD (FT)	HEAD SETPOINT (FT)	CAPACITY CONTROL	POWER (KW)	MECHANICAL EFFICIENCY (FRAC)	MOTOR EFFICIENCY (FRAC)
DEFAULT-CHW-PUMP	1 PUMP(s)						
DEFAULT-CHW PRIMARY LOOP	0.0	62.5	0.0	ONE-SPEED	0.000	0.770	0.000
DEFAULT-CW-PUMP	1 PUMP(s)						
DEFAULT-CW PRIMARY LOOP	0.0	55.9	0.0	ONE-SPEED	0.000	0.770	0.000
Primary CHW Pump	1 PUMP(s)						
Chiller 1	0.0	0.0	0.0	ONE-SPEED	0.000	0.770	0.000
EVAPORATOR (RUN-AROUND)							

*** PRIMARY EQUIPMENT ***

EQUIPMENT TYPE	ATTACHED TO	CAPACITY (MBTU/HR)	FLOW (GPM)	HEAD (FT)
Chiller 1				
ELEC-SCREW	DEFAULT-CHW	0.000	0.0	15.0
	DEFAULT-CW	0.000	0.0	15.0
CU-P1-1 P1				
VRF-HEAT-RCVR	Cooling Coils	0.184	0.0	0.0
	Heating Coils	-0.192	0.0	0.0
CU-8-1 L7B				
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0
	Heating Coils	-0.249	0.0	0.0
CU-8-2 L6B				
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0
	Heating Coils	-0.249	0.0	0.0

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CU-8-3 L5B					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-8-4 L4B					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-8-5 L3B					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-8-6 L2B					
VRF-HEAT-RCVR	Cooling Coils	0.266	0.0	0.0	
	Heating Coils	-0.282	0.0	0.0	
CU-8-7 L1B					
VRF-HEAT-RCVR	Cooling Coils	0.170	0.0	0.0	
	Heating Coils	-0.180	0.0	0.0	
CU-R-1 L8A					
VRF-HEAT-RCVR	Cooling Coils	0.170	0.0	0.0	
	Heating Coils	-0.180	0.0	0.0	
CU-R-2 L7A					
VRF-HEAT-RCVR	Cooling Coils	0.200	0.0	0.0	
	Heating Coils	-0.206	0.0	0.0	
CU-R-3 L6A					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-R-4 L5A					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-R-5 L4A					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-R-6 L3A					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-R-7 L2A					
VRF-HEAT-RCVR	Cooling Coils	0.240	0.0	0.0	
	Heating Coils	-0.249	0.0	0.0	
CU-R-RST					
VRF-HEAT-RCVR	Cooling Coils	0.124	0.0	0.0	
	Heating Coils	-0.129	0.0	0.0	
CT-1					
OPEN-TWR	DEFAULT-CW	0.000	0.9	20.0	
RCC-1					
HEAT-PUMP DW-HTR	DHW Plant 1 Res Loop (1)	-0.114	3.6		

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RCC-2				
HEAT-PUMP DW-HTR	DHW Plant 1 Res Loop (1)	-0.114	3.6	
RCC-3				
HEAT-PUMP DW-HTR	DHW Plant 1 Res Loop (1)	-0.114	3.6	
RST DHW Heater				
ELEC DW-HEATER	Restaurant DHW Loop	-0.006	0.1	