

PANEL														RPB			
VOLTAGE (L-N):				120				ENCLOSURE TYPE:				NEMA 1					
VOLTAGE (L-L):				208				MOUNTING:				SURFACE					
PHASES, WIRES:				3 4 4 W				AIC RATING (A):				22000					
MINIMUM BUS CAPACITY (A):				225 A				NOTES:									
MAIN O.C. DEVICE (A):				225 A													
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)						POLE	TRIP AMPS	DESCRIPTION	CKT NO				
				A		B		C									
1,3	AHU-1	45	2	3661	4493		3661	4493		2	60	AHU-2	2,4				
5,7	SPARE	20	2	0	4493			0	4493	2	60	AHU-3	6,8				
9,11	AHU-4	45	2				3661	3993		3	100	PANEL LC	10,12,14				
13,15	HP-1	25	2	1248	5493												
17,19	AHU-6	20	2				1248	1498		2	30	HP-2	16,18				
21	MECH. CONTROLS	20	1	120	200				120	1498	1	20	SPARE	20			
23	SPARE	20	1				200	1500			2	25	HP-6	22,24			
25	SPARE	20	1	0	0				200	1500							
27	SPARE	20	1				0	0			2	25	SPACE	26,28			
29,31	SPACE	20	2						0	0							
33,35	SPACE	20	2	0	0			0			2	25	SPACE	30,32			
37,39	SPACE	20	2				0	0		0	2	25	SPACE	34,36			
41	SPACE	20	2	0	0		0	0			2	25	SPACE	38,40			
		20	1						0	0	1	20	SPACE	42			
CONNECTED LOAD PHASE TOTALS (VA)																	
				19708		20254		12852									
				CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)									
Motors (Largest)				9		1.25		11.25		46.7 KVA							
MOTORS				43.8		1.00		35.4(NON-COIN)		18.15 KVA							
										50.3 AMPS							
										28 %							
										PHASE BALANCE							
										97 %							
										A TO B							
										63 %							
										B TO C							
										65 %							
										C TO A							
TOTAL:				52.8				46.7									
LOAD (AMPS):				146.6				129.5									

PANEL						RPC						
VOLTAGE (L-N):				120		ENCLOSURE TYPE:				NEMA 1		
VOLTAGE (L-L):				208		MOUNTING:				SURFACE		
PHASES, WIRES:				1 ϕ , 3 W		AIC RATING:				10000		
MINIMUM BUS CAPACITY (A):				50 A		NOTES:						
MAIN O.C. DEVICE (A):				MLO								
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)				POLE	TRIP AMPS	DESCRIPTION	CKT NO	
				A		B						
1	FIRE ALARM "LOCK ON"	20	1	500	500			1	20	ACCESS CONTROL "LOCK ON"	2	
3	REC, COMM ROOM	20	1			1500	800	1	20	REC, COMM ROOM	4	
5	REC, COMM ROOM	20	1	1500	200			1	20	MECH. CONTROLS	6	
7	SPARE	20	1			0	0	1	20	SPARE	8	
9,11	AH-6	20	2	200	0			2	20	SPARE	10,12	
				200				0				
				CONNECTED LOAD PHASE TOTALS (VA)								
				2900		2500						
				CONNECTED LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)		DEMAND LOAD		
Cooling				1.0		1.00		1.0		SPARE CAPACITY 3.1KVA		
Equipment				4.0		1.00		4.0		SPARE CAPACITY 15 AMPS		
Receptacles (0 - 10 KVA)				0.2		1.00		0.2		SPARE CAPACITY 60 %		
TOTAL:				5.2				5.2				
LOAD (AMPS):				25.0				25.0				