

PANEL MDP																
VOLTAGE (L-N):		277		ENCLOSURE TYPE:		Nema 1										
VOLTAGE (L-L):		480		MOUNTING:		SURFACE										
PHASES, WIRES:		3 φ 4 W		AIC RATING (A):		10000		NOTES: -----								
MINIMUM BUS CAPACITY (A):		200 A														
MAIN O.C. DEVICE (A):		200 A														
CT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)			POLE	TRIP AMPS	DESCRIPTION	CKT NO						
				A	B	C					A	B	C			
1,3,5	PANEL P1 via Transformer	150	3	0	1824		1	20	LIGHTING	2						
1,3,5	PANEL P1 via Transformer	150	3		0	1856		1	20	LIGHTING	4					
1,3,5	PANEL P1 via Transformer	150	3					1	20	LIGHTING	6					
7	LIGHTING	20	1	2624	1688		1	20	EXITS & EMG. LIGHTS	8						
9	EXTERIOR LIGHTING	20	1		1300	0	3	80	RTU-1	10,12,14						
11	LIGHTING	20	1			960	0	3	80	RTU-1	10,12,14					
				CONNECTED LOAD PHASE TOTALS (VA)												
				6136	3156	2944										
CONNECTED LOAD (KVA)		12.2		DEMAND FACTOR		1.25		DEMAND LOAD (KVA)		15.3						
Lighting		12.2		1.25		15.3		15.3 KVA		151.0 KVA						
TOTAL:		12.2		1.25		15.3		91%		51%						
LOAD (AMPS):		14.7		93%		48%		A TO B		51%						
								B TO C		93%						
								C TO A		48%						

PANEL P2																
VOLTAGE (L-N):		120		ENCLOSURE TYPE:		Nema 1										
VOLTAGE (L-L):		208		MOUNTING:		SURFACE										
PHASES, WIRES:		3 φ 4 W		AIC RATING (A):		10000		NOTES: -----								
MINIMUM BUS CAPACITY (A):		200 A														
MAIN O.C. DEVICE (A):		200 A														
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)			POLE	TRIP AMPS	DESCRIPTION	CKT NO						
				A	B	C					A	B	C			
1	RECEPTACLES	20	1	1260	1600		1	20	COPIER	2						
3	RECEPTACLES	20	1		1620	1620		1	20	RECEPTACLES	4					
5	RECEPTACLES	20	1			1080	1800		1	20	RECEPTACLES	6				
7	RECEPTACLES	20	1	1080	180				1	20	FIRE ALARM SYSTEM	8				
9	SECURITY SYSTEM	20	1		0	0			1	20	EXHAUST FANS 1-6	10				
11	BOILER	20	1		0	0			1	20	WATER CIRC. PUMP	12				
13	HEAT PUMP CP-2	20	1	0	0				1	20	RECEPTACLES	14				
15	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	16				
17	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	18				
19	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	20				
21	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	22				
23	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	24				
25	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	26				
27	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	28				
29	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	30				
31	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	32				
33	SPARE	20	1		0	0			1	20	SPARE	34				
35	SPARE	20	1		0	0			1	20	SPARE	36				
37	SPARE	20	1	0	0				1	20	SPARE	38				
39	SPARE	20	1		0	0			1	20	SPARE	40				
41	SPARE	20	1		0	0			1	20	SPARE	42				
				CONNECTED LOAD PHASE TOTALS (VA)												
				4120	3240	2880										
CONNECTED LOAD (KVA)		10.0		DEMAND FACTOR		1.00		DEMAND LOAD (KVA)		10.0						
Receptacles (0 - 10 KVA)		10.0		1.00		10.0		10.1 KVA		61.9 KVA						
Receptacles (Over 10 KVA)		0.2		0.50		0.1		171.9 AMPS		86%						
TOTAL:		10.2		79%		89%		A TO B		79%						
LOAD (AMPS):		28.4		89%		70%		B TO C		89%						
								C TO A		70%						

PANEL P1																
VOLTAGE (L-N):		120		ENCLOSURE TYPE:		Nema 1										
VOLTAGE (L-L):		208		MOUNTING:		SURFACE										
PHASES, WIRES:		3 φ 4 W		AIC RATING (A):		10000		NOTES: -----								
MINIMUM BUS CAPACITY (A):		200 A														
MAIN O.C. DEVICE (A):		200 A														
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)			POLE	TRIP AMPS	DESCRIPTION	CKT NO						
				A	B	C					A	B	C			
1	RECEPTACLES	20	1	1080	720		1	20	RECEPTACLES	2						
3	RECEPTACLES	20	1		900	1080		1	20	RECEPTACLES	4					
5	RECEPTACLES	20	1			1260	1620		1	20	RECEPTACLES	6				
7	RECEPTACLES	20	1	1260	900				1	20	RECEPTACLES	8				
9	RECEPTACLES	20	1		900	900			1	20	RECEPTACLES	10				
11	RECEPTACLES	20	1			1260	900		1	20	RECEPTACLES	12				
13	RECEPTACLES	20	1	1260	1440				1	20	RECEPTACLES	14				
15	RECEPTACLES	20	1		1080	1600			1	20	VENDING	16				
17	KITCHEN COUNTER	20	1			540	1600		1	20	REFRIG. KITCHEN	18				
19	RECEPTACLES	20	1	1260	1080				1	20	RECEPTACLES	20				
21	RECEPTION	20	1		1600	1620			1	20	NURSE STATION RECEPTACLES	22				
23	COPIER	20	1			1800	1080		1	20	MEDICATION & COMM RECEPT	24				
25	COMM. RM RECEPT	20	1	360	1260				1	20	RECEPTACLES	26				
27	RECEPTACLES	20	1		1080	1600			1	20	LAB REFRIGERATOR	28				
29	RECEPTACLES	20	1			1080	1440		1	20	RECEPTACLES	30				
31,33	TEL/DATA UPS	30	2	0	-----				-----	-----	-----					
31,33	TEL/DATA UPS	30	2		2496	1440					RECEPTACLES	34				
35	RECEPTACLES	20	1			1440	0		1	20	RECEPTACLES	36				
37	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	38				
39	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	40				
41	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	42				
				CONNECTED LOAD PHASE TOTALS (VA)												
				10620	16296	14020										
CONNECTED LOAD (KVA)		10.0		DEMAND FACTOR		1.00		DEMAND LOAD (KVA)		25.5						
Receptacles (0 - 10 KVA)		10.0		1.00		10.0		46.6 KVA		129.3 AMPS						
Receptacles (Over 10 KVA)		30.9		0.50		15.5		65%		65%						
TOTAL:		40.9		76%		76%		A TO B		65%						
LOAD (AMPS):		113.6		86%		76%		B TO C		86%						
								C TO A		76%						

PANEL P2																
VOLTAGE (L-N):		120		ENCLOSURE TYPE:		Nema 1										
VOLTAGE (L-L):		208		MOUNTING:		SURFACE										
PHASES, WIRES:		3 φ 4 W		AIC RATING (A):		10000		NOTES: -----								
MINIMUM BUS CAPACITY (A):		200 A														
MAIN O.C. DEVICE (A):		200 A														
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)			POLE	TRIP AMPS	DESCRIPTION	CKT NO						
				A	B	C					A	B	C			
1	RECEPTACLES	20	1	1260	1600		1	20	COPIER	2						
3	RECEPTACLES	20	1		1620	1620		1	20	RECEPTACLES	4					
5	RECEPTACLES	20	1			1080	1800		1	20	RECEPTACLES	6				
7	RECEPTACLES	20	1	1080	180				1	20	FIRE ALARM SYSTEM	8				
9	SECURITY SYSTEM	20	1		0	0			1	20	EXHAUST FANS 1-6	10				
11	BOILER	20	1		0	0			1	20	WATER CIRC. PUMP	12				
13	HEAT PUMP CP-2	20	1	0	0				1	20	RECEPTACLES	14				
15	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	16				
17	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	18				
19	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	20				
21	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	22				
23	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	24				
25	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	26				
27	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	28				
29	RECEPTACLES	20	1		0	0			1	20	RECEPTACLES	30				
31	RECEPTACLES	20	1	0	0				1	20	RECEPTACLES	32				
33	SPARE	20	1		0	0			1	20	SPARE	34				
35	SPARE	20	1		0	0			1	20	SPARE	36				
37	SPARE	20	1	0	0				1	20						