

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one sixteenth inch = one foot

PANEL RPA															
VOLTAGE (L-N):				120				ENCLOSURE TYPE:				NEMA 1			
VOLTAGE (L-L):				208				MOUNTING:				SURFACE			
PHASES, WIRES:				3 Ø 4 W				A/C RATING (A):				22000			
MINIMUM BUS CAPACITY (A):				200 A				NOTES:				-----			
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							
1	REC. ROOM A01 & A06	20	1	1000	1400					1	20	REC. ROOM A02 & A03	2		
3	REC. ROOM A03	20	1			1000	1200			1	20	REC. ROOM A05, A07, A10 & A06A	4		
5	REC. ROOM A11	20	1					1500	350	1	20	REC. ROOM A11	6		
7	REC. ROOM A11	20	1	1500	400					1	20	REC. ROOM A11	8		
9	REC. ROOM A11	20	1			1500	1000			1	20	REC. ROOM A26 & A27	10		
11	REC. ROOM A25-A27	20	1					1050	800	1	20	REC. ROOM A23-A25	12		
13	REC. ROOM A23	20	1	1500	1050					1	20	REC. ROOM A06 & A10	14		
15	REC. ROOM A20 & A22	20	1			1200	1400			1	20	REC. ROOM A21	16		
17	REC. ROOM A20	20	1					350	1400	1	20	REC. ROOM A12 & A17	18		
19	REC. ROOM A04, A21 & C05	20	1	1700	400					1	20	REC. ROOM A18 & A19	20		
21	REC. ROOM B16 & B23	20	1			200	1200			1	20	REC. ROOM B17-B20	22		
23	REC. ROOM B21 STATION 1-2	20	1					1200	1200	1	20	REC. ROOM B29-B33	24		
25	REC. ROOM B26, B28, B35 & B36	20	1	1200	1000					1	20	REC. ROOM B37-B39	26		
27	REC. ROOM B34	20	1			1200	1000			1	20	REC. ROOM B21 STATION 3	28		
29	REC. ROOM B04, B05 & B25	20	1					700	600	1	20	REC. ROOM B04	30		
31	REC. ROOM B01, B02 & B110	20	1	1200	1000					1	20	REC. ROOM B05 & B07	32		
33	REC. ROOM B08	20	1			1000	800			1	20	REC. ROOM B15, B25, B27	34		
35	REC. OUTSIDE	20	1					400	600	1	20	REC. CORR. B24	36		
37	REC. CORR. B02 & B09	20	1	800	1000					1	20	VAV. C	38		
39	VAV. A & D	20	1			500	1000			1	20	VAV. A & B	40		
41	EWG-1	20	1					350	1400	1	20	REC. PHARMACY COUNTER	42		
43	REC. PHARMACY R.R.	20	1	800	1100					1	20	PHARMACY, VAULT REC.	44		
45	REC. PHARMACY	20	1			800	1000			1	20	REC. PHARMACY	46		
47	DENTAL, ROOM B11	20	1					1400	1500	1	20	DENTAL, ROOM B11	48		
49	DENTAL, ROOM B11	20	1	1500	1500					1	20	DENTAL, ROOM B11	50		
51	DENTAL CHAIR, ROOM B11	20	1			1200	1400			1	20	DENTAL, ROOM B12	52		
53	DENTAL, ROOM B12	20	1					1500	1500	1	20	DENTAL, ROOM B12	54		
55	DENTAL, ROOM B12	20	1	1500	1200					1	20	DENTAL CHAIR, ROOM B12	56		
57	DENTAL, ROOM B13	20	1			1400	1500			1	20	DENTAL, ROOM B13	58		
59	DENTAL, ROOM B13	20	1					1500	1500	1	20	DENTAL, ROOM B13	60		
61	DENTAL CHAIR, ROOM B13	20	1	1200	1400					1	20	DENTAL, ROOM B14	62		
63	DENTAL, ROOM B14	20	1			1500	1500			1	20	DENTAL, ROOM B14	64		
65	DENTAL, ROOM B14	20	1					1500	1200	1	20	DENTAL CHAIR, ROOM B14	66		
67	DENTAL, X-RAY ROOM B04	30	1	2200	1800					1	20	TRACK LIGHTING, ROOM B11	68		
69	TRACK LIGHTING, ROOM B12	20	1			1800	1800			1	20	TRACK LIGHTING, ROOM B13	70		
71	TRACK LIGHTING, ROOM B14	20	1					1800	0	1	20	SPARE	72		
73	SPARE	20	1	0	0					1	20	SPARE	74		
75	SPARE	20	1			0	0			1	20	SPARE	76		
77	SPARE	20	1					0	0	1	20	SPARE	78		
79	SPARE	20	1	0	0					1	20	SPARE	80		
81	SPARE	20	1			0	0			1	20	SPARE	82		
83	SPARE	20	1					0	0	1	20	SPARE	84		
				CONNECTED LOAD PHASE TOTALS (VA)											
				29350		28100		25300							
				CONNECTED LOAD (KVA)						DEMAND FACTOR		DEMAND LOAD (KVA)			
Appliance - Dwelling Unit				0.4		1.00		0.4				DEMAND LOAD 49.0 KVA			
Kitchen Equipment - Non-Dwelling Unit				6.3		0.65		4.1				SPARE CAPACITY 23.0 KVA			
Motors				1.5		1.00		1.5				SPARE CAPACITY 63.9 AMPS			
Motors (Largest)				1.0		1.25		1.3				SPARE CAPACITY 32 %			
Receptacles (0 - 10 KVA)				10.0		1.00		10.0				A TO B 96 %			
Receptacles (Over 10 KVA)				63.5		0.50		31.8				B TO C 90 %			
												C TO A 86 %			
TOTAL:				82.8				49.0							
LOAD (AMPS):				229.7				136.1							

PANEL												RPC			
VOLTAGE (L-N):				120				ENCLOSURE TYPE:				NEMA 1			
VOLTAGE (L-L):				208				MOUNTING:				SURFACE			
PHASES, WIRES:				3 $\phi$ 4 W				A/C RATING (A):				22000			
MINIMUM BUS CAPACITY (A):				100 A				NOTES:				INTEGRAL BUSS MOUNTED TVSS 65KA			
MAIN O.C. DEVICE (A):				100 A											
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)						POLE	TRIP AMPS	DESCRIPTION	CKT NO		
				A		B		C							
1	LGT. COMM. ROOM D20	20	1	225	800					1	20	REC. COMM. ROOM D20	2		
3	REC. COMM. ROOM D20	20	1			1500	1500			1	20	REC. COMM. ROOM D20	4		
5	REC. COMM. ROOM D20	20	1					1500	1500	1	20	REC. COMM. ROOM D20	6		
7	REC. ROOM D21	20	1	1500	1500					1	20	REC. ROOM D21	8		
9	REC. ROOM D21	20	1			1500	400			1	20	REC. ROOM D21	10		
11	LGTs, COMM. ROOM A08	20	1						75	1500	1	20	REC. COMM. ROOM A08	12	
13	REC. COMM. ROOM A08	20	1	1500	600					1	20	REC. COMM. ROOM A08	14		
15	REC. ROOM A06	20	1			1500	550			1	20	CAMERAS, OUTSIDE	16		
17	POWER FOR ACCESS CONTROL	20	1						1100	0	1	20	SPARE	18	
19,21,23	TVSS	30	3	0	0						1	20	SPARE	20	
						0	0			1	20	SPARE	22		
								0	0	1	20	SPARE	24		
CONNECTED LOAD PHASE TOTALS (VA)															
				6125		6950		5675							
CONNECTED LOAD (KVA)												DEMAND LOAD		14.6 KVA	
Lighting												SPARE CAPACITY		21.4 KVA	
Receptacles (0 – 10 KVA)												SPARE CAPACITY		59.5 AMPS	
Receptacles (Over 10 KVA)												SPARE CAPACITY		59 %	
												PHASE BALANCE			
												A TO B		88 %	
												B TO C		82 %	
												C TO A		93 %	
TOTAL:				18.8				14.6							
LOAD (AMPS):				52.0				40.5							