

MDP				MANUF. MODEL: RATING:		SQUARE D I-LINE 1,200 A		VOLTAGE: 120/208V PHASE: 3 WIRES: 4		KAIC: MOUNTING: ENCLOSURE:		65 SURFACE NEMA 1		
CKT	LOAD	BRK	POLE	A		B		C		POLE	BRK	LOAD	CKT	
1	1A	225 A	3	10,689	13,867					3	225 A	1B	2	
3						12,194	12,517						4	
5								8,421	14,277				6	
7	1CE	600 A	3	50,579	10,992					3	100 A	1H	8	
9						42,785	6,692						10	
11								46,202	6,467				12	
13	1G	100 A	3	8,700	9,260					3	100 A	2A	14	
15						9,200	7,180						16	
17								7,700	9,440				18	
19	2B	100 A	3	11,771	7,883					3	100 A	RTU-1	20	
21						10,521	7,883						22	
23								7,758	7,883				24	
25	RTU-3	125 A	3	10,867	10,867					3	125 A	RTU-4	26	
27						10,867	10,867						28	
29								10,867	10,867				30	
31	SPACE	--	3	--	--					3	--	SPACE	32	
33						--	--						34	
35								--	--				36	
37	ELEVATOR	90 A	3	8,333	0					3	30 A	SURGE PROTECTION DEVICE	38	
39						8,333	0						40	
41								8,333	0				42	
TOTAL LOAD				153,778 VA		138,933 VA		138,086 VA						
TOTAL CURRENT				1,283 A		1,159 A		1,151 A						
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS				
Appliance				30,000 VA		75%		22,500 VA		TOTAL CONN. LOAD: 430,795 VA TOTAL EST. DEMAND: 387,555 VA TOTAL CONN. CURRENT: 1,196 A TOTAL EST. DEMAND: 1,076 A				
Elevator				26,250 VA		95%		24,938 VA						
Equipment				30,405 VA		100%		30,405 VA						
HVAC				246,135 VA		100%		246,135 VA						
Lighting				15,972 VA		100%		15,972 VA						
Other				0 VA		0%		0 VA						
Power				420 VA		100%		420 VA						
Power - General				1,600 VA		100%		1,600 VA						
Receptacle				78,860 VA		56.34%		44,430 VA						
Spare				1,000 VA		100%		1,000 VA						
Water Heating				400 VA		100%		400 VA						
NOTES: CONTRACTOR SHALL VERIFY LOADS AND OCPD REQUIREMENTS FOR ALL EQUIPMENT WITH MANUFACTURER PRIOR TO CONSTRUCTION.														

1B				MANUF. MODEL: RATING:		SQUARE D NQ 225 A		VOLTAGE: 120/208V PHASE: 3 WIRES: 4		KAIC: MOUNTING: ENCLOSURE:		42 SURFACE NEMA 1		
CKT	LOAD	BRK	POLE	A		B		C		POLE	BRK	LOAD		CKT
1	RECEPTACLE EXAM 125	20 A	1	900	180					1	20 A	RECEPTACLE CL. 126		2
3	RECEPTACLE PROVIDER 127	20 A	1			720	180			1	20 A	RECEPTACLE SPRINKLER 128		4
5	RECEPTACLE EXAM 129	20 A	1					900	1,500	1	20 A	EUH-1		6
7	WH-1	20 A	1	200	360					1	20 A	RECEPTACLE HALL 130		8
9	RECEPTACLE EXAM 131	20 A	1			900	180			1	20 A	RECEPTACLE STAIR 132		10
11	RECEPTACLE STORAGE 133	20 A	1					180	750	2	20 A	ECH-132		12
13	RECEPTACLE NURSE 135	20 A	1	720	750									14
15	RECEPTACLE NURSE 135	20 A	1			720	360			1	20 A	RECEPTACLE INFUSION 137		16
17	RECEPTACLE INFUSION 137	20 A	1					900	360	1	20 A	RECEPTACLE INFUSION 137		18
19	RECEPTACLE INFUSE HALL 138	20 A	1	540	900					1	20 A	RECEPTACLE EXAM 139		20
21	RECEPTACLE ULTRA-SOUND 140	20 A	1			540	550			2	20 A	RECEPTACLE ULTRA-SOUND MACH.		22
23	X-RAY 141 - MACHINE	70 A	3					6,667	550					
25				6,667	720					1	20 A	RECEPTACLE X-RAY 141		26
27						6,667	180				1	20 A	RECEPTACLE CL. 145	
29	RECEPTACLE CL. 147	20 A	1					180	720	1	20 A	RECEPTACLE BONE DENSITY 149		30
31														32
33	RECEPTACLE RHEUM WAITING...	20 A	1			540	180			1	20 A	RECEPTACLE RHEUM WAITING...		34
35	ECH-153	20 A	2					750	180	1	20 A	RECEPTACLE STAIR 153		36
37				750	180					1	20 A	ELEVATOR MACHINE SPACE...		38
39	SITE LIGHTING	20 A	1			320	480			1	20 A	SITE LIGHTING		40
41	SITE LIGHTING	20 A	1					640						42
43														44
45														46
47														48
49	LIGHTING CONTACTOR	20 A	1	1,000	0					3	30 A	SURGE PROTECTION DEVICE		50
51								0						52
53									0					54
TOTAL LOAD				13,867 VA		12,517 VA		14,277 VA						
TOTAL CURRENT				117 A		104 A		121 A						
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS				
Equipment				21,100 VA		100%		21,100 VA		TOTAL CONN. LOAD: 40,660 VA TOTAL EST. DEMAND: 39,450 VA TOTAL CONN. CURRENT: 113 A TOTAL EST. DEMAND: 110 A				
HVAC				4,500 VA		100%		4,500 VA						
Lighting				1,440 VA		100%		1,440 VA						
Other				0 VA		0%		0 VA						
Receptacle				12,420 VA		90.26%		11,210 VA						
Spare				1,000 VA		100%		1,000 VA						
Water Heating				200 VA		100%		200 VA						
NOTES:														
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1A				MANUF. MODEL: RATING:		SQUARE D NQ 225 A		VOLTAGE: 120/208V PHASE: 3 WIRES: 4		KAIC: MOUNTING: ENCLOSURE:		42 SURFACE NEMA 1				
CKT	LOAD	BRK	POLE	A		B		C		POLE	BRK	LOAD		CKT		
1	RECEPTACLE WAITING 101	20 A	1	540	800					1	20 A	RECEPTACLE WAITING 101		2		
3	RECEPTACLE TOILET 102	20 A	1			180	540			1	20 A	RECEPTACLE CONSULT 103		4		
5	RECEPTACLE PHARMACY 104	20 A	1					360	540	1	20 A	RECEPTACLE PHARMACY 104		6		
7	RECEPTACLE PHARMACY 104	20 A	1	540	720					1	20 A	RECEPTACLE PHARMACY 104		8		
9	APPLIANCE PHARMACY 104	20 A	1			1,500	180			1	20 A	RECEPTACLE CL. 105		10		
11	RECEPTACLE TOILET 106	20 A	1					180	1,160	1	20 A	RECEPTACLE BREAK ROOM 108		12		
13	DISHWASHER - BREAK ROOM 108	20 A	1	1,200	500					1	20 A	COUNTERTOP - BREAK ROOM 108		14		
15	GARBAGE DISP. - BREAK ROOM...	20 A	1			800	1,500			1	20 A	MICROWAVE - BREAK ROOM 108		16		
17	RECEPTACLE TOILET 109	20 A	1					180	180	1	20 A	RECEPTACLE CLOSET 110		18		
19	RECEPTACLE EXAM 112	20 A	1	900	180					1	20 A	RECEPTACLE CL. 113		20		
21	RECEPTACLE EXAM 114	20 A	1			900	900			1	20 A	RECEPTACLE EXAM 115		22		
23	RECEPTACLE CL. 116	20 A	1					180	180	1	20 A	RECEPTACLE TOILET 117		24		
25	RECEPTACLE EXAM 118	20 A	1	900	720					1	20 A	RECEPTACLE PROVIDER 119		26		
27	RECEPTACLE EXAM 120	20 A	1			900	540			1	20 A	RECEPTACLE NURSE 121		28		
29	RECEPTACLE NURSE 121	20 A	1					720	720	1	20 A	RECEPTACLE NURSE 121		30		
31	RECEPTACLE INS. OFFICE 123	20 A	1	720	900					1	20 A	RECEPTACLE EXAM 122		32		
33	RECEPTACLE LARGE LAB 146	20 A	1			360	540			1	20 A	RECEPTACLES RHEUM HALL 124		34		
35	RECEPTACLE LARGE LAB 146	20 A	1					540	360	1	20 A	RECEPTACLE LARGE LAB 146		36		
37	RECEPTACLE LARGE LAB 146	20 A	1	360	360					1	20 A	RECEPTACLE LARGE LAB 146		38		
39	RECEPTACLE LAB 148	20 A	1			360	180			1	20 A	RECEPTACLE LARGE LAB 146		40		
41	VITROS 5600 (AC1)	20 A	2					625	540	1	20 A	RECEPTACLE LAB 148		42		
				625	925						2	20 A	VITROS 5600 (AC2)		44	
						2,250	925									46
								2,250								48
49					0					3	30 A	SURGE PROTECTION DEVICE		50		
51							0						52			
53									0				54			
TOTAL LOAD				10,689 VA		12,194 VA		8,421 VA								
TOTAL CURRENT				92 A		105 A		70 A								
LOAD CLASSIFICATION			CONNECTED LOAD			DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS						
Appliance			5,500 VA			75%		4,125 VA		TOTAL CONN. LOAD: 31,277 VA TOTAL EST. DEMAND: 25,432 VA TOTAL CONN. CURRENT: 87 A TOTAL EST. DEMAND: 71 A						
Equipment			7,600 VA			100%		7,600 VA								
Receptacle			19,060 VA			76.23%		14,530 VA								
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