

PH			VOLTS 480Y/277V 3P 4W BUS AMPS 100 NEUTRAL 100%			AIC 14,000 MAIN MLO LUGS STANDARD					
MOUNTING SURFACE FED FROM MDP2 NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/3	POOL PUMP	3.05	3.05	3.05	2	45/3	PANEL PL VIA XFMR T3	2.09	1.95	2.1
3	-/1	SPARE	0	0	0	4	50/3	SAUNA BOILER HEATER	10	10	10
5	-/1	SPARE	0	0	0	6	15/3	SPARE	0	0	0
7	-/1	SPARE	0	0	0	8	-/1	SPARE	0	0	0
9	-/1	SPARE	0	0	0	10	-/1	SPARE	0	0	0
11	-/1	SPARE	0	0	0	12	-/1	SPARE	0	0	0
13	-/1	SPARE	0	0	0	14	-/1	SPARE	0	0	0
15	-/1	SPARE	0	0	0	16	-/1	SPARE	0	0	0
17	-/1	SPARE	0	0	0	18	-/1	SPARE	0	0	0
19	-/1	SPARE	0	0	0	20	-/1	SPARE	0	0	0
21	-/1	SPARE	0	0	0	22	-/1	SPARE	0	0	0
23	-/1	SPARE	0	0	0	24	-/1	SPARE	0	0	0
TOTAL CONNECTED KVA BY PHASE									15.1	15	15.2
CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0.202	0.253	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	9.15	11.4	(125%)	HEATING	0	0	(N/A)				
OTHER MOTORS	0	0	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	2.56	2.56	(50%>10)	NONCONTINUOUS	33.4	33.4	(100%)				
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA			45.3			47.6					
BALANCED 3-PHASE AMPS			15.1			15.2					

P2			VOLTS 208Y/120V 3P 4W BUS AMPS 100 NEUTRAL 100%			AIC 10,000 MAIN MLO LUGS STANDARD					
MOUNTING SURFACE FED FROM P NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	RECEPTS - OFFICE	0.72	0.72	0.72	2	20/1	RECEPTS - GYM	1.08	0.54	0.6
3	20/1	RECEPTS - OFFICE	0.72	0.72	0.72	4	20/1	RECEPTS - JAN, TLTS	0.72	0.9	0.9
5	20/1	RECEPTS - CHILD PLAY AREA	0.72	0.72	0.72	6	20/1	EWC *	0.6	0.6	0.6
7	20/1	RECEPTS - RECEPTION DESK	0.72	0.72	0.72	8	20/1	RECEPTS - OFFICE	0.6	0.6	0.6
9	20/1	RECEPTS - RECEPTION, HALL	0.72	0.72	0.72	10	20/1	RECEPTS - OFFICE	0.6	0.6	0.6
11	20/1	RECEPTS - BOARD ROOM	0.72	0.54	0.54	12	20/1	EWC *	0	0	0
13	20/1	RECEPTS - BOARD ROOM	0.72	0.54	0.54	14	20/1	EWC *	0	0	0
15	20/1	RECEPTS - RECEPTION COMPUTERS	0	0.36	0.36	16	20/1	SPARE	0	0	0
17	20/1	RECEPTS - RECEPTION COMPUTERS	0	0.36	0.36	18	20/1	SPARE	0	0	0
19	20/1	SPARE	0	0.18	0.18	20	20/1	SPARE	0	0	0
21	20/1	RE-CIRC PUMP	0	0.4	0.4	22	20/1	SPARE	0	0	0
23	20/1	GAS WATER HEATER CONTROLS	0	0	0	24	20/1	SPARE	0	0	0
25	20/1	SPARE	0	0	0	26	20/1	SPARE	0	0	0
27	20/1	SPARE	0	0	0	28	20/1	SPARE	0	0	0
29	20/1	SPARE	0	0	0	30	20/1	SPARE	0	0	0
31	-/1	SPARE	0	0	0	32	-/1	SPARE	0	0	0
33	-/1	SPARE	0	0	0	34	-/1	SPARE	0	0	0
35	-/1	SPARE	0	0	0	36	-/1	SPARE	0	0	0
37	-/1	SPARE	0	0	0	38	-/1	SPARE	0	0	0
39	-/1	SPARE	0	0	0	40	-/1	SPARE	0	0	0
41	-/1	SPARE	0	0	0	42	-/1	SPARE	0	0	0
TOTAL CONNECTED KVA BY PHASE									4.56	4.2	4.42
CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0	0	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	0	0	(N/A)	HEATING	0	0	(N/A)				
OTHER MOTORS	0	0	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	12.8	11.4	(50%>10)	NONCONTINUOUS	0	0	(100%)				
KITCHEN EQUIP	0.4	0.4	(100%)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA			13.2			11.8					
BALANCED 3-PHASE AMPS			4.56			4.42					

P3			VOLTS 208Y/120V 3P 4W BUS AMPS 175 NEUTRAL 100%			AIC 10,000 MAIN 175A BREAKER LUGS STANDARD					
MOUNTING SURFACE FED FROM T2 NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	TREADMILL	1.2	1.2	1.2	2	20/1	TREADMILL	1.2	1.2	1.2
3	20/1	TREADMILL	1.2	1.2	1.2	4	20/1	TREADMILL	1.2	1.2	1.2
5	20/1	TREADMILL	1.2	1.2	1.2	6	20/1	TREADMILL	1.2	1.2	1.2
7	20/1	TREADMILL	1.2	1.2	1.2	8	20/1	TREADMILL	1.2	1.2	1.2
9	20/1	TREADMILL	1.2	1.2	1.2	10	20/1	TREADMILL	1.2	1.2	1.2
11	20/1	TREADMILL	1.2	1.2	1.2	12	20/1	TREADMILL	1.2	1.2	1.2
13	20/1	RECEPT - MES LOCKER RM	0.18	0.18	0.18	14	20/1	RECEPT - WOMES LOCKER RM	0.18	0.18	0.18
15	20/1	CEILING FANS	0.6	0.6	0.6	16	20/1	FANS - FITNESS CENTER	0.9	0.9	0.9
17	20/1	RECEPT - MES LOCKER RM	0.6	0.6	0.6	18	20/1	RECEPT - WOMES LOCKER RM	0.9	0.9	0.9
19	20/1	EWC - FITNESS *	0.54	0.54	0.54	20	20/1	EXISTING RECEPTS - MULTIPURPOSE RM	0.72	0.72	0.72
21	20/1	RECEPTS - FITNESS	0.2	0.2	0.2	22	20/1	RECEPTS - MULTIPURPOSE RM	0.9	0.9	0.9
23	20/1	RECEPTS - FITNESS	0.2	0.2	0.2	24	20/1	EXISTING RECEPTS - FITNESS	1.18	1.18	1.18
25	20/1	RECEPTS - FITNESS	0.2	0.2	0.2	26	20/1	RECEPTS - FITNESS	0.36	0.36	0.36
27	20/1	RECEPTS - FITNESS	0.2	0.2	0.2	28	20/1	QUAD - TEL BD	0	0	0
29	20/1	RECEPTS - FITNESS	0.2	0.2	0.2	30	20/1	RECEPTS - MULTIPURPOSE RM	0	0	0
31	20/1	SPARE	0	0	0	32	20/1	SPARE	0	0	0
33	20/1	SPARE	0	0	0	34	20/1	SPARE	0	0	0
35	20/1	SPARE	0	0	0	36	20/1	SPARE	0	0	0
37	-/1	SPARE	0	0	0	38	-/1	SPARE	0	0	0
39	-/1	SPARE	0	0	0	40	-/1	SPARE	0	0	0
41	-/1	SPARE	0	0	0	42	-/1	SPARE	0	0	0
TOTAL CONNECTED KVA BY PHASE									8.04	8.96	7.68
CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	1.2	1.5	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	0	0	(N/A)	HEATING	0	0	(N/A)				
OTHER MOTORS	0	0	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	23.5	16.7	(50%>10)	NONCONTINUOUS	0	0	(100%)				
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA			24.7			18.2					
BALANCED 3-PHASE AMPS			8.04			7.68					

PL			VOLTS 208Y/120V 3P 4W BUS AMPS 100 NEUTRAL 100%			AIC 10,000 MAIN 100A BREAKER LUGS STANDARD					
MOUNTING SURFACE FED FROM T3 NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	RECEPTS - AQUATIC OFFICE	0.72	0.54	0.54	2	20/1	SODIUM CHLORIDE PUMP *	0.96	0.96	0.96
3	20/1	RECEPTS - POOL AREA	0.05	0.05	0.05	4	20/1	CO2 CONTROLLER *	0.36	0.4	0.5
5	20/1	RECEPTS - POOL AREA	0	0	0	6	20/1	POOL CONTROLLER *	0	0	0
7	20/1	EXHAUST FAN	0	0	0	8	20/1	RECEPTS - POOL EQUIP RM	0	0	0
9	20/1	EXHAUST FAN	0	0	0	10	20/1	GAS HEATER CONTROLS	0	0	0
11	20/1	SAUNA LIGHTS	0	0	0	12	20/1	SUMP PUMP *	0	0	0
13	20/1	SPARE	0	0	0	14	20/1	SPARE	0	0	0
15	20/1	SPARE	0	0	0	16	20/1	SPARE	0	0	0
17	20/1	SPARE	0	0	0	18	20/1	SPARE	0	0	0
19	20/1	SPARE	0	0	0	20	20/1	SPARE	0	0	0
21	-/1	SPARE	0	0	0	22	-/1	SPARE	0	0	0
23	-/1	SPARE	0	0	0	24	-/1	SPARE	0	0	0
25	-/1	SPARE	0	0	0	26	-/1	SPARE	0	0	0
27	-/1	SPARE	0	0	0	28	-/1	SPARE	0	0	0
29	-/1	SPARE	0	0	0	30	-/1	SPARE	0	0	0
TOTAL CONNECTED KVA BY PHASE									2.09	1.95	2.1
CONN KVA			CALC KVA			CONN KVA			CALC KVA		
LIGHTING	0.202	0.253	(125%)	CONTINUOUS	0	0	(125%)				
LARGEST MOTOR	0	0	(N/A)	HEATING	0	0	(N/A)				
OTHER MOTORS	0	0	(100%)	COOLING	0	0	(N/A)				
RECEPTACLES	2.56	2.56	(50%>10)	NONCONTINUOUS	3.38	3.38	(100%)				
KITCHEN EQUIP	0	0	(N/A)	DIVERSE	0	0	(N/A)				
				METERED DEMAND	0	0	(125%)				
TOTAL KVA			6.14			6.19					
BALANCED 3-PHASE AMPS			2.09			2.1					

GENERAL LUMINAIRE SCHEDULE

CALLOUT	LAMP	DESCRIPTION	MOUNTING	MODEL	TOTAL VA	VOLTS	NOTE 1
A	LED	LED DOWNLIGHT	RECESSED	LIGHTOLIER CALCULITE C6RC6L35840M210UC6RSLWHF	36	277	FINISH SELECTED. WHITE TRIM
B	LED	NATATORIUM FLOOD	SURFACE 8'-8" AFF	ORGARECH 150014L10040D1UYKXX2	110	277	FINISH SELECTED
C	LED	VAPOR	SURFACE	DAY-BRITE DWAE51LH8404UNVDIM	46	277	
CF		6' CEILING FAN	CEILING	SELECTED BY OWNER	240	120	ALLOW \$250 EACH
D	(4) F32T8	PARABOLIC TROFFER	LAY-IN	EXISTING	121	277	
DR	(4) F32T8	PARABOLIC TROFFER	LAY-IN	EXISTING RELOCATED	121	277	
E	INCLUDED	EMERGENCY	WALL	CHLORIDE CFX6	0	277	90 MINUTE BATTERY
EM	MR16-12W	EMERGENCY	SURFACE	ISOLITE IMR12-50-WW	0	277	90 MINUTE BATTERY
EM2	LED INCLUDED	EMERGENCY	WALL	ISOLITE HZN6LC12	0	120	90 MINUTE BATTERY. SELF DIAGNOSTICS
ER	INCLUDED	EXTERIOR EMERGENCY	WALL	CHLORIDE PLEMBZ	0	6	
EX	LED (EXIT) INCLUDED (EM)	EXIT/EM COMBO	WALL/CEILING	CHLORIDE VCRW	0		