

PANEL FH 277480 VOLT, 3 PHASE, 4 WIRE 200 A MCB (SER)						SURFACE MOUNTED, NEMA 3R REFER TO FAULT CURRENT STUDY (BUS AFC) FOR MIN. AC REQUIREMENT PROVIDE WITH GROUND BAR.									
CKT	DESCRIPTION	BREAKER	TRIP	POLE	VOLT	KVA	CODE	CKT	DESCRIPTION	BREAKER	TRIP	POLE	VOLT	KVA	CODE
1	PANEL FL VIA 75KVA	125	3		480	4.6	1	2	SPARE	200	3		480		
3	-----					5.9	5	4	-----						
5	-----					39.9	7	6	-----						
7	UV SYSTEM - COMPETITION POOL	40	3		480	4.0	7	8	SPARE	100	3		480		
9	-----							10	-----						
11	-----							12	-----						
13	UV SYSTEM - LAZY RIVER POOL	40	3		480	4.0	7	14	SPARE	80	3		480		
15	-----							16	-----						
17	-----							18	-----						
19	UV SYSTEM - CHILDREN POOL	40	3		480	4.0	7	20	LAZY RIVER FEATURE PUMP (VFD 7)	15	3		480	6.2	4
21	-----							22	-----						
23	-----							24	-----						
25	COMP. POOL RECIRC. PUMP #1 (VFD 1)	70	3		480	28.3	4	26	80MM SLIDE PUMP (VFD 8)	60	3		480	22.4	4
27	-----							28	-----						
29	-----							30	-----						
31	COMP. POOL RECIRC. PUMP #2 (VFD 2)	70	3		480	28.3	4	32	EXPOSED PLUME SLIDE PUMP (VFD 8)	60	3		480	22.4	4
33	-----							34	-----						
35	-----							36	-----						
37	LAZY RIVER RECIRC. PUMP (VFD 3)	60	3		480	33.2	4	38	OPEN PLUME SLIDE PUMP (VFD 10)	60	3		480	22.4	4
39	-----							40	-----						
41	-----							42	-----						
43	LAZY RIVER PROXUSION PUMP #1 (VFD 4)	70	3		480	28.3	4	44	CHILDREN'S POOL RECIRC. PUMP (VFD 1)	25	3		480	11.8	4
45	-----							46	-----						
47	-----							48	-----						
49	LAZY RIVER PROXUSION PUMP #2 (VFD 5)	70	3		480	28.3	4	50	CHILDREN'S POOL FEATURE PUMP (VFD 1)	70	3		480	28.3	4
51	-----							52	-----						
53	-----							54	-----						
55	LAZY RIVER PROXUSION PUMP #3 (VFD 6)	70	3		480	28.3	4	56	-----						
57	-----							58	-----						
59	-----							60	EW-H-1	60	3		208	24.0	7

LOAD CODES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD
1. LIGHTING	5	1.25	6.3
2. HEAT	0	1.00	0.0
3. AIR CONDITIONING	0	1.00	0.0
4. MOTORS	288	25% OF LRST MOT	72.0
5. RECEPTACLES	6	NEC 220.44	6.0
6. MISC. CONTINUOUS LOADS	0	1.25	0.0
7. MISC. NON-CONTINUOUS LOADS	76	1.00	76.0
8. KITCHEN EQUIPMENT (PIECES)	0	0.65	0.0
9. HOTEL ROOM LOADS	0	NEC 220.42	0.0
*****			*****
374			383.0
0.0 LESS SMALLEST OF HEATAC			0.0
374			383.0
TOTAL DEMAND LOAD			383.0
VOLTAGE			480
PHASE			3
*****			*****
480 AMPS			

PANEL BL1 (SECTION 1 OF 2) 120/208 VOLT, 3 PHASE, 4 WIRE 225 A MCB (VIA 200A FUSE)						SURFACE MOUNTED, NEMA 1 10,000 AIC RATING PROVIDE WITH GROUND BAR AND THRU FEED LUGS									
CKT	DESCRIPTION	BREAKER	TRIP	POLE	VOLT	KVA	CODE	CKT	DESCRIPTION	BREAKER	TRIP	POLE	VOLT	KVA	CODE
1	LIGHTING CONTROL CABINET LOGG	20	1		120	0.7	2	2	HAND DRYER (1)	30	1		120	2.9	7
3	EXTERIOR LIGHTING	20	1		120	1.0	1	4	HAND DRYER (1)	30	1		120	2.9	7
5	INTERIOR LIGHTING	20	1		120	0.9	1	6	HAND DRYER (1)	30	1		120	2.9	7
7	INTERIOR LIGHTING	20	1		120	0.8	1	8	HAND DRYER (1)	30	1		120	2.9	7
9	EXTERIOR LIGHTING	20	1		120	1.0	1	10	HAND DRYER (1)	30	1		120	2.9	7
11	SPARE	20	1		120			12	RECEPTACLES	20	1		120	0.9	5
13	SPARE	20	1		120			14	ICE MAKER	20	1		120	0.7	
15	SPARE	20	1		120			16	RECEPTACLE	20	1		120	0.9	5
17	SPARE	20	1		120			18	RECEPTACLE	20	1		120	0.9	5
19	SPARE	20	1		120			19	RECEPTACLE	20	1		120	0.9	5
21	SPARE	20	1		120			20	RECEPTACLE	20	1		120	0.9	5
23	SPARE	20	1		120			21	RECEPTACLES	20	1		120	0.9	5
25	SPARE	20	1		120			22	RECEPTACLES	20	1		120	0.9	5
27	SPARE	20	1		120			23	RECEPTACLES	20	1		120	0.9	5
29	SPARE	20	1		120			24	RECEPTACLES	20	1		120	0.9	5
31	SPARE	20	1		120			25	RECEPTACLES	20	1		120	0.9	5
33	SPARE	20	1		120			26	RECEPTACLES	20	1		120	0.9	5
35	SPARE	20	1		120			27	RECEPTACLES	20	1		120	0.9	5
37	SPARE	20	1		120			28	RECEPTACLES	20	1		120	0.9	5
39	SPARE	20	1		120			29	RECEPTACLES	20	1		120	0.9	5
41	SPARE	20	1		120			30	RECEPTACLES	20	1		120	0.9	5

LOAD CODES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD
1. LIGHTING	4	1.25	5.0
2. HEAT	0	1.00	0.0
3. AIR CONDITIONING	0	1.00	0.0
4. MOTORS	0	25% OF LRST MOT	0.0
5. RECEPTACLES	6	NEC 220.44	6.0
6. MISC. CONTINUOUS LOADS	0	1.25	0.0
7. MISC. NON-CONTINUOUS LOADS	20	1.00	20.0
8. KITCHEN EQUIPMENT (PIECES)	0	0.65	0.0
9. HOTEL ROOM LOADS	0	NEC 220.42	0.0
*****			*****
29.7			29.7
0.0 LESS SMALLEST OF HEATAC			0.0
29.7			29.7
TOTAL DEMAND LOAD			29.7
VOLTAGE			208
PHASE			3
*****			*****
82 AMPS			

PANEL FL1 120/208 VOLT, 3 PHASE, 4 WIRE 200 A MCB (VIA 75KVA XFMR)						SURFACE MOUNTED, NEMA 3R 10,000 AIC RATING PROVIDE WITH GROUND BAR.									
CKT	DESCRIPTION	BREAKER	TRIP	POLE	VOLT	KVA	CODE	CKT	DESCRIPTION	BREAKER	TRIP	POLE	VOLT	KVA	CODE
1	RECEPTACLES	20	1		120	0.4	5	2	POOL LIGHTS	20	1		120	0.1	1
3	RECEPTACLES	20	1		120	0.5	5	4	POOL LIGHTS	20	1		120	0.1	1
5	RECEPTACLES	20	1		120	0.4	5	6	POOL LIGHTS	20	1		120	0.1	1
7	RECEPTACLES	20	1		120	0.7	5	8	POOL LIGHTS	20	1		120	0.1	1
9	WATER LEVEL CONTROLLER	20	1		120	0.8	7	10	POOL LIGHTS	20	1		120	0.1	1
11	WATER LEVEL CONTROLLER	20	1		120	0.8	7	12	POOL LIGHTS	20	1		120	0.1	1
13	WATER LEVEL CONTROLLER	20	1		120	0.8	7	14	POOL LIGHTS	20	1		120	0.1	1
15	CHEMICAL CONTROLLER	20	1		120	1.2	7	16	POOL LIGHTS	20	1		120	0.1	1
17	CHEMICAL CONTROLLER	20	1		120	1.2	7	18	POOL LIGHTS	20	1		120	0.1	1
19	CHEMICAL CONTROLLER	20	1		120	1.2	7	20	RECEPTACLES	20	1		120	0.7	5
21	HAND DRYER (1)	30	1		120	2.8	7	22	RECEPTACLES	20	1		120	0.4	5
23	HAND DRYER (1)	30	1		120	2.9	7	24	EF-5	20	1		120	0.9	4
25	RECEPTACLES	20	1		120	0.7	5	26	EF-8	20	1		120	0.9	4
27	HAND DRYER (1)	30	1		120	2.9	7	28	EF-7	20	1		120	0.9	4
29	HAND DRYER (1)	30	1		120	2.9	7	30	EF-9	20	1		120	0.9	4
31	HAND DRYER (1)	30	1		120	2.9	7	32	SPARE	20	1		120		
33	HAND DRYER (1)	30	1		120	2.9	7	34	LIGHTING CABINET LOCA	20	1		120	0.2	1
35	HAND DRYER (1)	30	1		120	2.9	7	36	LIGHTING	20	1		120	1.1	1
37	RECEPTACLES	20	1		120	0.7	5	38	LIGHTING	20	1		120	0.5	1
39	RECEPTACLES	20	1		120	0.7	5	40	LIGHTING	20	1		120	0.7	1
41	RECEPTACLES	20	1		120	0.7	5	42	LIGHTING	20	1		120	0.5	1
43	EW-C	20	1		120	0.7	7	44	LIGHTING	20	1		120	0.4	1
45	UH-1	20	2		208	2.0	2	46	EF-9	20	1		120	0.7	4
47	-----							48	EF-10	20	1		120	0.7	4
49	SPARE	20	1		120			50	CHEMICAL CONTROLLER	20	1		120	1.2	7
51	SUMP PUMP	20	2		208	2.0	4	52	CHEMICAL CONTROLLER	20	1		120	1.2	7
53	-----							54	CHEMICAL CONTROLLER	20	1		120	1.2	7

LOAD CODES	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD
1. LIGHTING	5	1.25	6.3
2. HEAT	2	1.00	2.0
3. AIR CONDITIONING	0	1.00	0.0
4. MOTORS	7	25% OF LRST MOT	1.8
5. RECEPTACLES	6	NEC 220.44	6.0
6. MISC. CONTINUOUS LOADS	0	1.25	0.