

PANEL SCHEDULE													
H1													
VOLT/PHASE/WIRE: 277/480V/3PH/4W				AIC RATING: LOCATION:				AIC: MAIN BREAKER: 100A					
MOUNT/ENCLOSURE: SURFACE/TYPE 1													
Q	DESCRIPTION	LOAD	PH	A	B	C	POLES	LOAD	DESCRIPTION	Q	CT		
1	TREATMENT PUMP P-101	1857	20	2234			3	20	367	FEATURE PUMP P-202	2		
3		1857	-		2234		-	-	367		4		
5		1857	-			2234	-	-	367		6		
7	BOOSTER PUMP P-102	367	20	734			3	20	367	BLOWER BL-201	8		
9		367	-		734		-	-	367		10		
11		367	-			734	-	-	367		12		
13	TREATMENT PUMP P-201	900	20	1000			3	20	900	TREATMENT PUMP P-301	14		
15		900	-		1000		-	-	900		16		
17		900	-			1000	-	-	900		18		
19	SPWR TO PANEL L1	6200	40	3	6667		3	20	467	FEATURE PUMP P-302	20		
21		6200	-		6667		-	-	467		22		
23		3600	-			4267	-	-	467		24		
25	SPACE	0	-		367		3	20	367	BLOWER BL-301	26		
27	SPACE	0	-		367		-	-	367		28		
29	SPACE	0	-			367	-	-	367		30		
31	SPACE	0	-	0			-	-	0	SPACE	32		
33	SPACE	0	-	0			-	-	0	SPACE	34		
35	SPACE	0	-	0		0	-	-	0	SPACE	36		
37	SPACE	0	-	0			-	-	0	SPACE	38		
39	SPACE	0	-	0			-	-	0	SPACE	40		
41	SPACE	0	-	0			-	-	0	SPACE	42		
TOTALS				11,022	11,002	8,602							
TOTAL LOAD:		30,626											
LOADS		CONTINUOUS		NON-CONTINUOUS		DEMAND FACTOR/CALCULATION				DEMAND LOAD			
EXISTING	0	0				125% x				0			
LIGHTING	0	0				125% x		+ 100% x		0			
RECEPTACLE	0	0				100% x		+ 50% x		0			
MOTOR	0	18,206				125% x		5500		+ 100% x 12606			
FIXED HEAT	0	4,400				100% x		4400					
A/C	0	0				100% x				0			
KITCHEN EQUIP.	0	0				100% x				0			
MISC	0	8,020				125% x		+ 100% x 8020					
						TOTAL DEMAND LOAD:				32,026 VA			
										20 A			
PANEL NOTES:													

PANEL SCHEDULE											
L1											
VOLT/PHASE/WIRE: 120/208V/3PH/4W				AIC RATING: LOCATION:			AIC: 70A		MAIN BREAKER: 70A		
ENCLOSURE: SURFACE/TYPE 1											
Q	DESCRIPTION	LOAD	PH	A	B	C	POLES	LOAD	DESCRIPTION	Q	CT
1	CONTROL PANEL PLC-001	1500	20	1	2020	2	20	100	OZONEATOR OZ-301	2	2
3	FILTER F-101	100	20	1	2700			100		4	4
5	OZONEATOR OZ-101	200	20	1		1700	1	20	HEATER H-301	6	6
7	OZONEATOR OZ-102	200	20	1	1700			100	SPA 2 CHEMICAL SYSTEM 301	8	8
9	HEATER H-101	1400	20	1		1800		200	UGT -POOL	10	10
11	POOL CHEMICAL SYSTEM 101	1500	20	1		2000	1	20	UGT -SPA 1	12	12
13	LEVEL CONTROLLERS 101-301	900	20	1	1000			100	UGT -SPA 2	14	14
15	OZONEATOR OZ-201	100	20	2		100	0	0	SPACE	16	16
17		100	-	-	-	100		0	SPACE	18	18
19	HEATER H-201	1500	20	1	1500			0	SPACE	20	20
21	SPA 1 CHEMICAL SYSTEM 201	1500	20	1		1800		0	SPACE	22	22
23	SPACE	0	-	-	-	-	-	0	SPACE	24	24
25	SPACE	0	-	-	-	-	-	0	SPACE	26	26
27	SPACE	0	-	-	-	-	-	0	SPACE	28	28
29	SPACE	0	-	-	-	-	-	0	SPACE	30	30
31	SPACE	0	-	-	-	-	-	0	SPACE	32	32
33	SPACE	0	-	-	-	-	-	0	SPACE	34	34
35	SPACE	0	-	-	-	-	-	0	SPACE	36	36
37	SPACE	0	-	-	-	-	-	0	SPACE	38	38
39	SPACE	0	-	-	-	-	-	0	SPACE	40	40
41	SPACE	0	-	-	-	-	-	0	SPACE	42	42
TOTALS				6,220	6,200	3,900					
TOTAL LOAD:		16,220									
LOADS		CONTINUOUS		NON-CONTINUOUS		DEMAND FACTOR/CALCULATION				DEMAND LOAD	
EXISTING	0			125% x		0				0	
LIGHTING	0			125% x		0		+ 100% x		0	
RECEPTACLE	0			100% x		0		+ 50% x		0	
MOTOR	0	3,800		125% x		2650	+ 100% x		1100	9,450	
FIXED HEAT	0	4,400		100% x		4400					4400
A/C	0			100% x		0					0
KITCHEN EQUIP.	0			100% x		0					0
MISC	0	8,020		125% x		0	+ 100% x		8020	8,020	
								TOTAL DEMAND LOAD:		16,670 VA	
PANEL NOTES:										47 A	

EQUIPMENT SCHEDULE																			
		ELECTRICAL										STARTER		OVERCURRENT		PROTECTION			
MARK	DESCRIPTION	V	NEMA	KW	HP	MCA	FLA	MOCP	CONDUIT SIZE	WIRE QTY.	WIRE SIZE	GND. SIZE	NEMA SIZE	DISCONNECT SIZE/POLE	FUSE SIZE	REMARKS			
POOL EQUIPMENT																			
P-101	TREATMENT PUMP	480	3	5.6	7 1/2		6.7	20	3/4"	3	12	12	VFD	-	-	-	11A		
P-102	BOOSTER PUMP	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	00	-	-	-	6A		
F-101	FILTER	120	1	2.6	3 1/2		21.7	30	3/4"	2	10	10		-	-	-	13A		
OZ-101	OZONEATOR	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	10C		
OZ-102	OZONEATOR	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	10C		
H-101	HEATER	120	1	1.5			11.7	20	3/4"	2	12	12		-	-	-	5A		
CF-101	CHLORINE FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	12A		
CF-102	pH FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	12A		
CE-101	CHEMICAL CONTROLLER	120	1	1.1			9.2	20	3/4"	2	12	12		-	-	-	12A		
LC-101	LEVEL CONTROLLER	120	1				1	20	3/4"	2	12	12		-	-	-	12A		
SPA 1 EQUIPMENT																			
P-201	TREATMENT PUMP	480	3	1.5	2		1.8	20	3/4"	3	12	12	VFD	-	-	-	11A		
P-202	FEATURE PUMP	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	VFD	-	-	-	11A		
OZ-201	OZONEATOR	208	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	10C		
H-201	HEATER	120	1	1.5			12.5	20	3/4"	2	12	12		-	-	-	5A		
CF-201	CHLORINE FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	12A		
CF-202	pH FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	12A		
CE-201	CHEMICAL CONTROLLER	120	1	1.1			9.2	20	3/4"	2	12	12		-	-	-	12A		
LC-201	LEVEL CONTROLLER	120	1				1	20	3/4"	2	12	12		-	-	-	12A		
BL-201	BLOWER	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	00	-	-	-	6A		
SPA 2 EQUIPMENT																			
P-301	TREATMENT PUMP	480	3	1.5	2		1.8	20	3/4"	3	12	12	VFD	-	-	-	11A		
P-302	FEATURE PUMP	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	VFD	-	-	-	11A		
OZ-301	OZONEATOR	208	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	10C		
H-301	HEATER	120	1	1.5			12.5	20	3/4"	2	12	12		-	-	-	5A		
CF-301	CHLORINE FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	12A		
CF-302	pH FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12		-	-	-	12A		
CE-301	CHEMICAL CONTROLLER	120	1	1.1			9.2	20	3/4"	2	12	12		-	-	-	12A		
LC-301	LEVEL CONTROLLER	120	1				1	20	3/4"	2	12	12		-	-	-	12A		
BL-301	BLOWER	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	00	-	-	-	6A		
NOTE: COORDINATE FINAL EQUIPMENT CONNECTIONS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. VERIFY ALL MOUNTING HEIGHTS.																			
REMARKS:																			
1. FUSED DISCONNECT SWITCH				10. OZONE CONTROL PANEL				13. DIRECT CONNECTION											
2. NON-FUSED DISCONNECT SWITCH				11. VARIABLE FREQUENCY DRIVE				14. DUCT DETECTOR IN RETURN DUCT											
3. BREAKER IN ENCLOSURE				12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.				15. SWITCH WITH LIGHTS											
4. THERMAL OVERLOAD SWITCH																			
5. TOGGLE SWITCH																			
6. MAGNETIC STARTER																			
7. MAGNETIC STARTER/INVERTER FUSED DISCONNECT SWITCH																			
8. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION																			
9. MAGNETIC STARTER/BREAKER COMBINATION																			
				A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26															
				B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIVISION 26															
				C. FURNISHED UNDER ANOTHER DIVISION BUT NOT INSTALLED AND CONNECTED UNDER DIVISION 26															
				D. FURNISHED, INSTALLED, AND CONNECTED UNDER ANOTHER DIVISION															
				E. FURNISHED AND INSTALLED UNDER DIVISION 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION															