

MASTER LUMINAIRE SCHEDULE

PROJECT:

PROJECT NO:

BY:

FILE NAME:

HOTRWRF

09077

M.R.

09077 3 PHASE PANELBOARDS

277/

480 V, 3 PHASE, 4 WIRE

2000 A BUS

- A MCB

65000 AIC RATING

FLOOR MOUNTING

SWITCHBOARD EDB-1

GENERAL NOTES:

A. SWITCHBOARD IS INCLUDED IN EM BUILDING PERMIT SUBMITTAL.

OCT.	BROK.	DESCRIPTION	LIGHTING	RECEPT.	MOTOR	OTHER	APPLIANCE	PH	APPLIANCE	OTHER	MOTOR	RECEPT.	LIGHTING	DESCRIPTION	BROK.	OCT.
1	70/	PANELBOARD EM-L1	480	5420	3220	3000	0	A	2360	13085	12182	3560	520	PANELBOARD OP-H1	200/	2
3		45 KVA XFMR	2037	1800	5962	1500	0	B	2475	14085	10146	2980	1190	OPERATIONS. BUILDING		4
5	3		1329	5240	4376	1000	0	C	1829	13085	10772	4640	985	-	3	6
7	225/	FUTURE PRIMARY CLARIFIER			33500	11167		A	0	400	56561	1440	6922	PANELBOARD BH-H1	200/	8
9		(BUSSED SPACE)			33500	11167		B	0	0	54711	0	2660	BIOSOLIDS BUILDING		10
11	3				33500	11167		C	0	400	54986	1440	2100	(ACQA FRAME)	3	12
13	200/	PANELBOARD HW-H1	1467	4440	21666	1000	0	A	0	500	247748	0	908	SWITCHBOARD BB-MDP1	1200/	14
15		HEADWORKS BUILDING	787	2940	23336	0	0	B	0	0	247748	720	1228	BLOWER BUILDING		16
17	3		192	2940	22666	1000	0	C	0	0	248348	540	390	-	3	18
19	70/	GENERATOR NO. 1				12500		A						SPD	60/	20
21	2	POWER SUPPLY				12500		B						-		22
23		BUSSED SPACE						C						-	3	24
25	400/	PANELBOARD AB-H1	0	0	68520	0	0	A						BUSSED SPACE	225/	26
27		AERATION AND DIGESTER BASINS			68520	0	0	B						-		28
29	3		770	0	68520	0	0	C						-	3	30
31	225/	BUSSED SPACE						A						BUSSED SPACE	225/	32
33		-						B						-		34
35	3	-						C						-	3	36

LOAD SUMMARY

LOAD TYPE:	PH A	PH B	PH C	TOTALS			DEMAND FACTOR	DEMAND KVA
LIGHTING	10.30	7.90	5.77	23.97	KVA	ALL	23.97	29.96
RECEPTACLES	14.86	8.44	14.80	38.10	KVA	1ST 10KVA	10.00	10.00
						REMAINING	0.50	14.05
MOTORS	443.40	443.92	443.17	1330.49	KVA	LARGEST	143.00	125
						REMAINING	1187.49	100
OTHER	41.65	39.25	26.65	107.56	KVA	ALL	107.56	100
APPLIANCE	2.36	2.48	1.83	6.66	KVA	ALL	6.66	6.66
TOTALS	512.57	501.99	492.22	1506.77	KVA			1534.46

MINIMUM PANELBOARD AMPACITY: 1845.67