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PANEL VEAC-01		LOCATION <u>LVEA RM 105</u>										VOLTS <u>480Y/277V</u>					
FED FROM	CKT #	MOUNTING <u>RECESSED</u>		PHASE <u>3</u>		WIRE <u>4</u>		FEEDER		MAIN		BUS <u>225</u>					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3		40	27000	9000 1233			3700	15		3	2	MAIN ROUGHING PUMP	2	
		3					9000 1233							4			
		5					9000 1233							6			
7	MAIN TURBO PUMP	7	1		15	400	400 9000			27000	40		3	8	C-CC-PD-VEAC-07	8	
9	SPARE	9	1		15			9000						10			
11	SPARE	11	1		20			9000						12			
13	SPARE	13	3		20		9000			27000	40		3	14	C-CC-PD-VEAC-14	14	
		15						9000						16			
		17						9000						18			
19	SPACE	19							10000	30000	45		3	20	L-C-CC-T-VEAC-01	20	
21	SPACE	21												22			
23	SPACE	23												24			
25	SPACE	25												26	SPACE	26	
27	SPACE	27												28	SPACE	28	
29	SPACE	29												30	SPACE	30	
TOTAL							38633	38233	38233								
TOTAL CONNECTED LOAD (VA)							114699										
(AMPS)																	

PANEL VEAC-04		LOCATION <u>LVEA RM 102</u>										VOLTS <u>480Y/277V</u>					
FED FROM	CKT #	MOUNTING <u>RECESSED</u>		PHASE <u>3</u>		WIRE <u>4</u>		FEEDER		MAIN		BUS <u>225</u>					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3		40	27000	9000 1233			3700	15		3	2	MAIN ROUGHING PUMP	2	
		3					9000 1233							4			
		5					9000 1233							6			
7	MAIN TURBO PUMP	7	1		15	400	400 9000			27000	40		3	8	C-CC-PD-VEAC-12	8	
9	SPARE	9	1		15			9000						10			
11	SPARE	11	1		20			9000						12			
13	SPARE	13	3		20		9000			27000	40		3	14	C-CC-PD-VEAC-13	14	
		15						9000						16			
		17						9000						18			
19	SPACE	19							15000	45000	70		3	20	L-C-CC-T-VEAC-04	20	
21	SPACE	21												22			
23	SPACE	23							15000					24			
25	SPACE	25								9000	20		3	26	LIFT STATION TRANSFORMER (SEWAGE TREATMENT PLANT)	26	
27	SPACE	27							3000					28		28	
29	SPACE	29												30		30	
TOTAL							69100	68700	68700								
TOTAL CONNECTED LOAD (VA)							206500										
(AMPS)																	
75 % DEMAND FACTOR TOTAL VA = 148125																	

PANEL VEAC-02		LOCATION <u>LVEA RM 104</u>										VOLTS <u>480Y/277V</u>					
FED FROM	CKT #	MOUNTING <u>RECESSED</u>		PHASE <u>3</u>		WIRE <u>4</u>		FEEDER		MAIN		BUS <u>225</u>					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3		40	27000	9000 1233			3700	15		3	2	MAIN ROUGHING PUMP	2	
		3					9000 1233							4			
		5					9000 1233							6			
7	MAIN TURBO PUMP	7	1		15	400	400 9000			27000	40		3	8	C-CC-PD-VEAC-07	8	
9	SPARE	9	1		15			9000						10			
11	SPARE	11	1		20			9000						12			
13	SPARE	13	3		20		9000			27000	40		3	14	C-CC-PD-VEAC-14	14	
		15						9000						16			
		17						9000						18			
19	SPACE	19							10000	30000	45		3	20	L-C-CC-T-VEAC-02	20	
21	SPACE	21												22			
23	SPACE	23												24			
25	SPACE	25												26	SPACE	26	
27	SPACE	27												28	SPACE	28	
29	SPACE	29												30	SPACE	30	
TOTAL							38233	38233	38233								
TOTAL CONNECTED LOAD (VA)							114699										
(AMPS)																	

PANEL VEAC-05		LOCATION <u>LVEA RM 103</u>										VOLTS <u>480Y/277V</u>					
FED FROM	CKT #	MOUNTING <u>RECESSED</u>		PHASE <u>3</u>		WIRE <u>4</u>		FEEDER		MAIN		BUS <u>100</u>					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3		15	20000	9000 6667			27000	40		3	2	CRYOPUMP REGENERATOR	2	
		3					9000 6667							4			
		5						9000 6667						6			
7	MAIN TURBO PUMP	7	1		15	400	400				40		3	8	SPARE	8	
9	SPARE	9	1		15									10			
11	SPARE	11	1		20									12			
TOTAL							16067	15667	15667								
TOTAL CONNECTED LOAD (VA)							47401										
(AMPS)																	

PANEL VEAC-03		LOCATION <u>LVEA RM 103</u>										VOLTS <u>480Y/277V</u>					
FED FROM	CKT #	MOUNTING <u>RECESSED</u>		PHASE <u>3</u>		WIRE <u>4</u>		FEEDER		MAIN		BUS <u>225</u>					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3		40	27000	9000 1233			3700	15		3	2	MAIN ROUGHING PUMP	2	
		3					9000 1233							4			
		5					9000 1233							6			
7	MAIN TURBO PUMP	7	1		15	400	400 9000			27000	40		3	8	C-CC-PD-VEAC-12	8	
9	SPARE	9	1		15			9000						10			
11	SPARE	11	1		20			9000						12			
13	SPARE	13	3		20		9000			27000	40		3	14	C-CC-PD-VEAC-13	14	
		15						9000						16			
		17						9000						18			
19	SPACE	19							15000	45000	70		3	20	L-C-CC-T-VEAC-03	20	
21	SPACE	21												22			
23	SPACE	23												24			
25	SPACE	25												26	SPACE	26	
27	SPACE	27												28	SPACE	28	
29	SPACE	29												30	SPACE	30	
TOTAL							66100	65700	65700								
TOTAL CONNECTED LOAD (VA)							197500										
(AMPS)																	
75 % DEMAND FACTOR TOTAL VA = 148125																	

PANEL VEAC-06		LOCATION <u>LVEA RM 102</u>										VOLTS <u>480Y/277V</u>					
FED FROM	CKT #	MOUNTING <u>RECESSED</u>		PHASE <u>3</u>		WIRE <u>4</u>		FEEDER		MAIN		BUS <u>100</u>					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3		15	20000	9000 6667			27000	40		3	2	CRYOPUMP REGENERATOR	2	
		3					9000 6667							4			
		5						9000 6667						6			
7	MAIN TURBO PUMP	7	1		15	400	400				40		3	8	SPARE	8	
9	SPARE	9	1		15									10			
11	SPARE	11	1		20									12			
TOTAL							16067	15667	15667								
TOTAL CONNECTED LOAD (VA)							47401										
(AMPS)																	

ISSUED FOR CONSTRUCTION	DRAWN	M. M.	11-15-96
CHECKED	JCL	7-24-96	
ENGINEER	KCR	10-25-98	
PROJ	T. D. M.	11-15-98	