

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 <u>BUS 225</u>		LOAD SERVED		CKT		
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									10		
11	SPARE	11	1		20			9000						12		
13	SPARE	13	3		20		9000		9000	27000	40		3	14	C-CC-PD-VEAC-14	14
		15												16		
		17						9000						18		
19	SPACE	19					10000			30000	45		3	20	L-C-CC-T-VEAC-01	20
21	SPACE	21						10000						22		
23	SPACE	23							10000					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 <u>BUS 225</u>		LOAD SERVED		CKT		
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	SUBFEED TO C-CC-PD-VEAC-06	13	3		100	67402	22467 9000			27000	40		3	14	C-CC-PD-VEAC-13	14
		15						22467 9000						16		
		17							22467 9000					18		
19	SPACE	19					15000			45000	70		3	20	L-C-CC-T-VEAC-04	20
21	SPACE	21						15000						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		
29	SPACE	29							3000					30		
TOTAL						69100	68700	3000								
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 <u>BUS 225</u>		LOAD SERVED		CKT		
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		9000	27000	40		3	14	C-CC-PD-VEAC-14	14
		15												16		
		17						9000						18		
19	SPACE	19					10000			30000	45		3	20	L-C-CC-T-VEAC-02	20
21	SPACE	21						10000						22		
23	SPACE	23							10000					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 <u>BUS 100</u>		LOAD SERVED		CKT		
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 <u>BUS 225</u>		LOAD SERVED		CKT		
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	SUBFEED TO C-CC-PD-VEAC-05	13	3		20	67402	22467 9000			27000	40		3	14	C-CC-PD-VEAC-13	14
		15						22467 9000						16		
		17							22467 9000					18		
19	SPACE	19					15000			45000	70		3	20	L-C-CC-T-VEAC-03	20
21	SPACE	21						15000						22		
23	SPACE	23							15000					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 <u>BUS 100</u>		LOAD SERVED		CKT		
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)																