

PANEL VEAC-01		LOCATION LVEA RM 105										VOLTS 480Y/277V				
FED FROM		MOUNTING RECESSED												MAIN		
CKT *		PHASE 3		WIRE 4		FEEDER		BUS 225								
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	27000	1233			3700	15	3	2	2	MAIN ROUGHING PUMP	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1	15	400	400				27000	40	3	8	8	C-CC-PD-VEAC-07	8
9	SPARE	9	1	15										10		
11	SPARE	11	1	20										12		
13	SPARE	13	3	20						27000	40	3	14	14	C-CC-PD-VEAC-14	14
15		15												16		
17		17												18		
19	SPACE	19								30000	45	3	20	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 LVEA RM 102										VOLTS 480Y/277V				
FED FROM		MOUNTING RECESSED												MAIN		
CKT *		PHASE 3		WIRE 4		FEEDER		BUS 225								
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	27000	1233			3700	15	3	2	2	MAIN ROUGHING PUMP	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1	15	400	400				27000	40	3	8	8	C-CC-PD-VEAC-12	8
9	SPARE	9	1	15										10		
11	SPARE	11	1	20										12		
13	SUBFEED TO C-CC-PD-VEAC-06	13	3	100	67402	22467	22467	22467	22467	27000	40	3	14	14	C-CC-PD-VEAC-13	14
15		15												16		
17		17												18		
19	SPACE	19								45000	70	3	20	20	L-C-CC-T-VEAC-04	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-02		LOCATION LVEA RM 104										VOLTS 480Y/277V				
FED FROM		MOUNTING RECESSED												MAIN		
CKT *		PHASE 3		WIRE 4		FEEDER		BUS 225								
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	27000	1233			3700	15	3	2	2	MAIN ROUGHING PUMP	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1	15	400	400				27000	40	3	8	8	C-CC-PD-VEAC-07	8
9	SPARE	9	1	15										10		
11	SPARE	11	1	20										12		
13	SPARE	13	3	20						27000	40	3	14	14	C-CC-PD-VEAC-14	14
15		15												16		
17		17												18		
19	SPACE	19								30000	45	3	20	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 LVEA RM 103										VOLTS 480Y/277V				
FED FROM		MOUNTING RECESSED												MAIN		
CKT *		PHASE 3		WIRE 4		FEEDER		BUS 100								
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	20000	6667			27000	40	3	2	2	CRYOPUMP REGENERATOR	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1	15	400	400					40	3	8	8	SPACE	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 LVEA RM 103										VOLTS 480Y/277V				
FED FROM		MOUNTING RECESSED												MAIN		
CKT *		PHASE 3		WIRE 4		FEEDER		BUS 225								
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	27000	1233			3700	15	3	2	2	MAIN ROUGHING PUMP	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1	15	400	400				27000	40	3	8	8	C-CC-PD-VEAC-12	8
9	SPARE	9	1	15										10		
11	SPARE	11	1	20										12		
13	SUBFEED TO C-CC-PD-VEAC-05	13	3	20	67402	22467	22467	22467	22467	27000	40	3	14	14	C-CC-PD-VEAC-13	14
15		15												16		
17		17												18		
19	SPACE	19								45000	70	3	20	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 LVEA RM 102										VOLTS 480Y/277V				
FED FROM		MOUNTING RECESSED												MAIN		
CKT *		PHASE 3		WIRE 4		FEEDER		BUS 100								
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	20000	6667			27000	40	3	2	2	CRYOPUMP REGENERATOR	2
3		3												4		
5		5												6		
7	MAIN TURBO PUMP	7	1	15	400	400					40	3	8	8	SPACE	8
9	SPARE	9	1	15										10		
11	SPARE	11	1	20										12		
TOTAL						16067	15667	15667								
TOTAL CONNECTED LOAD (VA)						47401										
(AMPS)																

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