

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

PANEL VEAC-04		LOCATION LVEA RM 102										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED										MAIN				
		PHASE 3	WIRE 4	FEEDER				BUS 225								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2
		3					9000 1233							4		
		5					9000 1233							6		
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-12	8
9	SPARE	9					9000							10		
11	SPARE	11					9000							12		
13	SUBFEED TO C-CC-PD-VEAC-06	13	3			67402	22467 9000			27000			3	14	C-CC-PD-VEAC-13	14
		15					22467 9000							16		
		17					22467 9000							18		
19	SPACE	19					15000			45000			3	20	W-C-CC-T-VEAC-04	20
21	SPACE	21												22		
23	SPACE	23												24		
25	SPACE	25												26		
27	SPACE	27												28		
29	SPACE	29												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	CKT #	MOUNTING RECESSED										MAIN				
		PHASE 3	WIRE 4	FEEDER				BUS 225								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2
		3					9000 1233							4		
		5					9000 1233							6		
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-07	8
9	SPARE	9					9000							10		
11	SPARE	11					9000							12		
13	SPARE	13					9000			27000			3	14	C-CC-PD-VEAC-14	14
15	SPACE	15					9000							16		
17	SPACE	17					9000							18		
19	SPACE	19					10000			30000			3	20	W-C-CC-T-VEAC-02	20
21	SPACE	21					10000							22		
23	SPACE	23												24		
25	SPACE	25												26		
27	SPACE	27												28		
29	SPACE	29												30		
TOTAL							38233	38233	38233							
TOTAL CONNECTED LOAD (VA)							114699									
(AMPS)																

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

PANEL VEAC-03		LOCATION LVEA RM 103										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED										MAIN				
		PHASE 3	WIRE 4	FEEDER				BUS 225								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2
		3					9000 1233							4		
		5					9000 1233							6		
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-12	8
9	SPARE	9	1				9000							10		
11	SPARE	11	1				9000							12		
13	SUBFEED TO C-CC-PD-VEAC-05	13	3			67402	22467 9000			27000			3	14	C-CC-PD-VEAC-13	14
		15					22467 9000							16		
		17					22467 9000							18		
19	SPACE	19					15000			45000			3	20	W-C-CC-T-VEAC-03	20
21	SPACE	21												22		
23	SPACE	23												24		
25	SPACE	25												26		
27	SPACE	27												28		
29	SPACE	29												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	CKT #	MOUNTING RECESSED										MAIN				
		PHASE 3	WIRE 4	FEEDER				BUS 100								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER BLANKET CART	1	3			20000	9000 6667			27000			3	2	CRYOPUMP REGENERATOR	2
		3					9000 6667							4		
		5					9000 6667							6		
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	SPARE	8
9	SPARE	9					9000							10		
11	SPARE	11					9000							12		
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)																

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	5-22-96	RAE	TTT			BID ADDENDUM #2
A	4-19-96					FINAL DESIGN REVIEW & BID

DRAWN	J. G.
CHECKED	
ENGINEER	
PROJ	

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