

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	9800 1233	9800 1233	9800 1233	3700	15	3	2	MAIN ROUGHING PUMP	2	
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1	15	400	400	9800	9800	27000	40	3	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	C-CC-PD-VEAC-14	14		
15		15											16			
17		17											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 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	9800 1233	9800 1233	9800 1233	3700	15	3	2	MAIN ROUGHING PUMP	2	
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1	15	400	400	9800	9800	27000	40	3	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 9800	22467 9800	22467 9800	27000	40	3	14	C-CC-PD-VEAC-13	14		
15		15											16			
17		17											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											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	9800 1233	9800 1233	9800 1233	3700	15	3	2	MAIN ROUGHING PUMP	2	
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1	15	400	400	9800	9800	27000	40	3	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	C-CC-PD-VEAC-14	14		
15		15											16			
17		17											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 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	9800 6667	9800 6667	9800 6667	27000	40	3	2	CRYOPUMP REGENERATOR	2	
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1	15	400	400	9800	9800	27000	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 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	9800 1233	9800 1233	9800 1233	3700	15	3	2	MAIN ROUGHING PUMP	2	
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1	15	400	400	9800	9800	27000	40	3	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 9800	22467 9800	22467 9800	27000	40	3	14	C-CC-PD-VEAC-13	14		
15		15											16			
17		17											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 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	9800 6667	9800 6667	9800 6667	27000	40	3	2	CRYOPUMP REGENERATOR	2	
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1	15	400	400	9800	9800	27000	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)																

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION  
 DRAWN M.M. 11-15-96  
 CHECKED UCL 7-24-96  
 ENGINEER UCL 10-25-96  
 PROJ. 8094 11/15/96  
 RALPH N. BOSTON  
 REG. NO. 25704  
 PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 118  
 C. K. [Signature]  
 29 Oct 96


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