

PANEL VEAC_01A		LOCATION ROOM 202										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				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	GEN RECP PUMP 1	1	1	12	20	1900	1900	0	0	8600	30	0	1	2	GENERAL LOAD	2
3	GEN RECP PUMP 2	3	1	0	20	1900	0	1900	0	30	10	1	4			
5	GATE VALVE 1	5	3	0	30	1400	0	0	1400	20	0	1	6			
7		7	1	0		0	0	0	0	0	30	0	3	SPARE	8	
9		9	1	0		0	0	0	0	0	30	0	10	SPARE	10	
11	GATE VALVE 2	11	1	0	20	1400	0	0	1400	0	30	0	12	SPARE	12	
TOTAL						4767	4767	5667								
TOTAL CONNECTED LOAD (VA)						15200										
(AMPS)						42.2										

PANEL VEAC_02A		LOCATION ROOM 202										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				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	GEN RECP PUMP 3	1	1	0	20	1900	1900	0	0	8600	20	0	3	2	GENERAL LOAD	2
3	GEN RECP PUMP 4	3	3	0	30	1900	0	1900	0				4			
5	GATE VALVE 3	5	1	0	30	1400	0	0	1400				6			
7	VE RACK (FUTURE)	7	1	0	30	1900	1900	0	0	0	30	0	1	8	SPARE	8
9	Spare	9	1	0	20	0	0	0	0	0	20	0	1	10	SPARE	10
11	GATE VALVE 4	11	1	0	20	1400	0	0	1400	0	20	0	1	12	SPARE	12
TOTAL						6667	4767	5667								
TOTAL CONNECTED LOAD (VA)						17100										
(AMPS)						47.5										

PANEL DP_01		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Surface Mount										MAIN 800AF/800AT				
DP_01		PHASE 3			WIRE 3			FEEDER (2)4*500KCMIL				BUS 800				
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	AIR COMP	1	3	0	20	75000	25000	0	0	6318	0	0	3	2	SPACE	12
3		3	1	0	0	0	0	25000	2100				4		SPACE	14
5		5	0	0	0	0	0	0	0				6		SPACE	16
7	XFMR TR-02	7	3	0	100	77000	25667	25667	25000	77000	70	0	3	8	XFMR TR-03	8
9		9	1	0		0	0	25667	2100				10			
11		11	1	0		0	0	0	0				12			
13	VEAC-02B	13	3	0	100	0	0	0	0	0	100	0	3	14	VEAC-04B	14
15		15	1	0		0	0	0	0				16			
17		17	1	0		0	0	0	0				18			
19	CH-01	19	3	0	150	55380	18460	53729	0	161188	125	0	3	20	HC-03	20
21		21	1	0		0	18460	53729	0				22			
23		23	1	0		0	0	18460	53729				24			
25	MC-01	25	3	0	175	11520	3840	27800	0	83400	150	0	3	26	CH-02	26
27		27	1	0		0	3840	27800	0				28			
29		29	1	0		0	0	3840	27800				30			
31	DP-02	31	3	0	225	47400	15800	0	0	0	225	0	3	32	VEAC-01B	32
33		33	1	0		0	0	15800	0	0	0	0	34			
35		35	1	0		0	0	0	15800	0	0	0	36			
37		37	3	0	0	93112	31037	10000	0	30000	0	0	3	38	PNL VEAC_04B	38
39		39	1	0		0	0	31037	10000				40			
41		41	1	0		0	0	0	31037	10000			42			
TOTAL						239106	239106	239106								
TOTAL CONNECTED LOAD (VA)						717318										
(AMPS)						862.8										

\* NOTE:  
 THIS SCHEDULE IS FOR REFERENCE ONLY.  
 SEE SINGLE LINE DIAGRAM ON DRAWING \*  
 WA-E-008 FOR DISTRIBUTION PANEL DP-01.

PANEL CDSAC_01		LOCATION ROOM 202										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 100A				
DP_01	25	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4 GND				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	CDS RACK POWER	1	1	0	20	1920	1920	0	0	1920	20	0	1	2	CDS RACK POWER	2
3	CDS RACK POWER	3	1	0	20	1920	0	1920	0	1920	20	0	1	4	CDS RACK POWER	4
5	CDS RACK POWER	5	1	0	20	1920	0	0	1920	1920	20	0	1	6	CDS RACK POWER	6
7	SPARE	7	1	0	20	0	0	0	0	0	20	0	1	8	SPARE	8
9	SPARE	9	1	0	20	0	0	0	0	0	20	0	1	10	SPARE	10
11	SPARE	11	1	0	20	0	0	0	0	0	20	0	1	12	SPARE	12
13	SPARE	13	1	0	20	0	0	0	0	0	20	0	1	14	SPARE	14
15	SPARE	15	1	0	20	0	0	0	0	0	20	0	1	16	SPARE	16
17	SPARE	17	1	0	20	0	0	0	0	0	20	0	1	18	SPARE	18
19	SPARE	19	1	0	20	0	0	0	0	0	20	0	1	20	SPARE	20
21	SPARE	21	1	0	20	0	0	0	0	0	20	0	1	22	SPARE	22
23	SPARE	23	1	0	20	0	0	0	0	0	20	0	1	24	SPARE	24
25	SPARE	25	3	0	30	0	0	0	0	0	20	0	1	26	SPARE	26
27	SPARE	27	1	0	30	0	0	0	0	0	20	0	1	28	SPARE	28
29	SPARE	29	1	0	30	0	0	0	0	0	20	0	1	30	SPARE	30
TOTAL						3840	3840	3840								
TOTAL CONNECTED LOAD (VA)						11520										
(AMPS)						32.0										

PANEL VEAC_04A		LOCATION ROOM 205										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Surface Mount										MAIN 100A				
DP_01		PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4 GND				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	VE RACK	1	1	0	20	1900	1900	0	0	0	30	0	3	2	SPARE	2
3	VAC GAUGE PS	3	1	0	20	1000	0	1000	0	0	30	0	4		SPARE	4
5	MAIN ION OUMP PS	5	1	0	20	1400	0	0	1400	0	30	0	6		SPARE	6
7	SPARE	7	1	0	20	0	0	0	0	0	20	0	1	8	SPARE	8
9	SPARE	9	1	0	20	0	0	0	0	0	20	0	1	10	SPARE	10
11	SPARE	11	1	0	20	0	0	0	0	0	20	0	1	12	SPARE	12
TOTAL						1900	1000	1400								
TOTAL CONNECTED LOAD (VA)						4300										
(AMPS)						11.9										

PANEL VEAC_04B		LOCATION ROOM 205										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Surface Mount										MAIN Main lugs				
DP_01	38	PHASE 3			WIRE 4			FEEDER 4*1 & 1*6 GND				BUS 125				
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	TURBO BACKING PUMP	1	3	80	0	8000	2667	0	0	0	20	0	3	2	SPARE	2
3		3	1	0		0	0	2667	0				4			
5		5	1	0		0	0	0	2667				6			
7	SPARE	7	3	20	0	0	0	0	0	0	20	0	3	8	SPARE	8
9		9	1	0		0	0	0	0				10			
11		11	1	0		0	0	0	0				12			
TOTAL						2667	2667	2667								
TOTAL CONNECTED LOAD (VA)						8000										
(AMPS)						9.6										

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	6-15-98	J. G.				ISSUED FOR AS-BUILT

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
						ISSUED FOR CONSTRUCTION
						DRAWN M. M. 6-25-96
						CHECKED J. K. 7-3-96
						ENGINEER K. R. 7-3-96