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PANEL VEAC_01A		LOCATION ROOM 202										VOLTS 208Y/120V				
FED FROM		MOUNTING Recessed										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				BUS 100A				
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	GEN RCPT PUMP 1	1	1		20	1900	1900	0	0	8600	30		3	2	GENERAL LOAD	2
3	GEN RCPT PUMP 2	3	1		20	1900	0	1900	0					4		4
5	GATE VALVE 1	5	1		20	1400	0	0	1400				6		6	
7	SPARE	7	1		20	0	0	0	0	0	20		1	8	SPARE	8
9	SPARE	9	1		20	0	0	0	0	0	20		1	10	SPARE	10
11	GATE VALVE 2	11	1		20	1400	0	0	1400				1	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		MOUNTING Recessed										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				BUS 100A				
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	GEN RCPT PUMP 3	1	1		20	1900	1900	0	0	8600	30		3	2	GENERAL LOAD	2
3	GEN RCPT PUMP 4	3	1		20	1900	0	1900	0					4		4
5	GATE VALVE 3	5	1		20	1400	0	0	1400				6		6	
7	VE RACK (FUTURE)	7	1		20	1900	1900	0	0	0	20		1	8	SPARE	8
9	SPARE	9	1		20	0	0	0	0	0	20		1	10	SPARE	10
11	GATE VALVE 4	11	1		20	1400	0	0	1400				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		MOUNTING Surface Mount										MAIN 800AF/800AT				
XFMR TR-01		PHASE 4			WIRE 4			FEEDER (2)4*500KCMIL				BUS 800A				
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 HC-03	1	3		125	75000	25000	0	0	6318	20		3	2	AIR COMPRESS AC-01,AC-02	2
3		3					0	25000	0					4		4
5		5					0	25000	0					6		6
7	CHILLER CH-01	7	3		150	77000	25667	25667	0	77000	150		3	8	CHILLER CH-02	8
9		9					25667	25667	0					10		10
13	SPARE	13	3		100	0	0	0	0	0	100		3	14	SPARE	14
15		15					0	0	0					16		16
17		17					0	0	0					18		18
19	XFMR TR-02	19	3		100	75000	25000	25000	0	67255	200		3	20	PNL DP-02	20
21		21					25000	20438	0					22		22
23		23					25000	20438	0					24		24
25	PNL CDSAC_01	25	3		70	11520	3840	27800	0	83400	200		3	26	PNL VEAC_01B	26
27		27					3840	27800	0					28		28
29		29					0	0	0					30		30
31	PNL VEAC_02B	31	3		100	47401	16667	0	0	0	100		1	32	SPARE	32
33		33					0	15667	0	0	100		1	34	SPARE	34
35		35					0	0	15667	0	100		1	36	SPARE	36
37	MC_01	37	3		175	93111	31037	10000	0	30000	100		3	38	PNL VEAC_04B	38
39		39					31037	10000	0					40		40
41		41					0	0	0					42		42
TOTAL							213629	212222	217156							
TOTAL CONNECTED LOAD (VA)							643007									
(AMPS)							773.4									

\* NOTE:  
 THIS SCHEDULE IS FOR REFERENCE ONLY.  
 SEE SINGLE LINE DIAGRAM ON DRAWING LA-E-206 FOR DISTRIBUTION PANEL DP-01.

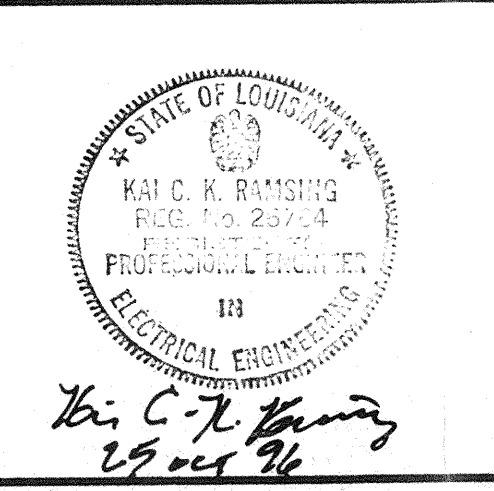
PANEL CDSAC_01		LOCATION ROOM 202										VOLTS 208Y/120V				
FED FROM		MOUNTING Recessed										MAIN 100A				
DP_01	25	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				GND BUS 100A				
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	CDS RACK POWER	1	1		20	1920	1920	0	0	1920	20		1	2	CDS RACK POWER	2
3	CDS RACK POWER	3	1		20	1920	0	1920	0	1920	20		1	4	CDS RACK POWER	4
5	CDS RACK POWER	5	1		20	1920	0	0	1920	1920	20		1	6	CDS RACK POWER	6
7	SPARE	7	1		20	0	0	0	0	0	20		1	8	SPARE	8
9	SPARE	9	1		20	0	0	0	0	0	20		1	10	SPARE	10
11	SPARE	11	1		20	0	0	0	0	0	20		1	12	SPARE	12
13	SPARE	13	1		20	0	0	0	0	0	20		1	14	SPARE	14
15	SPARE	15	1		20	0	0	0	0	0	20		1	16	SPARE	16
17	SPARE	17	1		20	0	0	0	0	0	20		1	18	SPARE	18
19	SPACE	19	1		0	0	0	0	0	0	0		1	20	SPACE	20
21	SPACE	21	1		0	0	0	0	0	0	0		1	22	SPACE	22
23	SPACE	23	1		0	0	0	0	0	0	0		1	24	SPACE	24
25	SPACE	25	1		0	0	0	0	0	0	0		1	26	SPACE	26
27	SPACE	27	1		0	0	0	0	0	0	0		1	28	SPACE	28
29	SPACE	29	1		0	0	0	0	0	0	0		1	30	SPACE	30
TOTAL							3840	3840	3840							
TOTAL CONNECTED LOAD (VA)							11520									
(AMPS)							32									

PANEL VEAC_04A		LOCATION ROOM 205										VOLTS 208Y/120V				
FED FROM		MOUNTING Surface Mount										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				GND BUS 100A				
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	VE RACK	1	1		20	1900	1900	0	0	0	20		1	2	SPARE	2
3	VAC GAUGE PS	3	1		20	1000	0	1000	0	0	20		1	4	SPARE	4
5	MAIN ION PUMP PS	5	1		20	1400	0	0	1400	0	20		1	6	SPARE	6
7	SPARE	7	1		20	0	0	0	0	0	20		1	8	SPARE	8
9	SPARE	9	1		20	0	0	0	0	0	20		1	10	SPARE	10
11	SPARE	11	1		20	0	0	0	0	0	20		1	12	SPARE	12
TOTAL							1900	1000	1400							
TOTAL CONNECTED LOAD (VA)							4300									
(AMPS)							12									

PANEL VEAC_04B		LOCATION ROOM 205										VOLTS 480Y/277V				
FED FROM		MOUNTING Surface Mount										MAIN 100A				
DP_01	38	PHASE 3			WIRE 4			FEEDER 4*1 & 1*6				BUS 125A				
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	TURBO BACKING PUMP	1	3		30	8000	2667	0	0	0	30		3	2	SPARE	2
3		3					0	2667	0					4		4
5		5					0	0	2667	0			6		6	
7	SPARE	7	3		30	0	0	0	0	0	30		3	8	SPARE	8
9		9					0	0	0	0				10		10
11		11					0	0	0	0				12		12
TOTAL							2667	2667	2667							
TOTAL CONNECTED LOAD (VA)							8000									
(AMPS)							22.2									

REFERENCES	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION			
DRAWN	M. M.	11-15-96	
CHECKED	LCL	7-24-96	
ENGINEER	KCL	10-25-96	
PROJ	SDA	11-15-96	



**PARSONS**

100 WEST WALNUT STREET  
PASADENA, CALIFORNIA

**LIGO**

CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 2 - LIVINGSTON, LOUISIANA

ELECTRICAL  
END A AND B STATIONS  
PANEL SCHEDULES

SCALE: NONE CONTRACT NUMBER: PPI 50969 PROJECT NUMBER: 8094 SHEET NUMBER: LA-E-206 REVISIONS: [Symbol]