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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 100A																	
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT					
1	GEN RCPT PUMP 1	1	1	20	20	1900	A	B	C	8600	30	3	2	GENERAL LOAD	2						
3	GEN RCPT PUMP 2	3	1	20	20	1900	0	1900	0				4		4						
5	GATE VALVE 1	5	1	20	20	1400	0	0	1400				6		6						
7	SPARE	7	1	20	20	0	0	0	0	0	20	1	8	SPARE	8						
9	SPARE	9	1	20	20	0	0	0	0	0	20	1	10	SPARE	10						
11	GATE VALVE 2	11	1	20	20	1400	0	0	1400				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 100A																	
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT					
1	GEN RCPT PUMP 3	1	1	20	20	1900	A	B	C	8600	30	3	2	GENERAL LOAD	2						
3	GEN RCPT PUMP 4	3	1	20	20	1900	0	1900	0				4		4						
5	GATE VALVE 3	5	1	20	20	1400	0	0	1400				6		6						
7	VE RACK (FUTURE)	7	1	20	20	1900	1900	0	0	0	20	1	8	SPARE	8						
9	SPARE	9	1	20	20	0	0	0	0	0	20	1	10	SPARE	10						
11	GATE VALVE 4	11	1	20	20	1400	0	0	1400				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																	
XFMR TR-01		PHASE 4	WIRE 4	FEEDER (214*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					
1	HEATER HC-03	1	3	125	125	75000	A	B	C	6318	20	3	2	AIR COMPRESS AC-01,AC-02	2						
3		3					0	25000	0				4		4						
5		5					0	2100	0				6		6						
7	CHILLER CH-01	7	3	150	150	77000	25667	25667	25667	77000	150	3	8	CHILLER CH-02	8						
9		9					0	25667	0				10		10						
11		11					0	25667	0				12		12						
13	SPARE	13	3	100	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	100	75000	25000	21445	0	67255	200	3	20	PNL DP-02	20						
21		21					0	25000	0				22		22						
23		23					0	28438	0				24		24						
25	PNL CDSAC.01	25	3	70	70	11520	3840	27800	0	83400	200	3	26	PNL VEAC.01B	26						
27		27					0	0	0				28		28						
29		29					0	0	0				30		30						
31	PNL VEAC.02B	31	3	100	100	47401	16867	0	0	0	100	1	32	SPARE	32						
33		33					0	15667	0	0	100	1	34	SPARE	34						
35		35					0	15667	0	0	100	1	36	SPARE	36						
37	MC.01	37	3	175	175	93111	31837	18800	0	30000	100	3	38	PNL VEAC.04B	38						
39		39					0	31837	18800				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-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 100A																	
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT					
1	CDS RACK POWER	1	1	20	20	1920	A	B	C	1920	20	1	2	CDS RACK POWER	2						
3	CDS RACK POWER	3	1	20	20	1920	0	1920	0				4	CDS RACK POWER	4						
5	CDS RACK POWER	5	1	20	20	1920	0	0	1920				6	CDS RACK POWER	6						
7	SPARE	7	1	20	20	0	0	0	0	0	20	1	8	SPARE	8						
9	SPARE	9	1	20	20	0	0	0	0	0	20	1	10	SPARE	10						
11	SPARE	11	1	20	20	0	0	0	0	0	20	1	12	SPARE	12						
13	SPARE	13	1	20	20	0	0	0	0	0	20	1	14	SPARE	14						
15	SPARE	15	1	20	20	0	0	0	0	0	20	1	16	SPARE	16						
17	SPARE	17	1	20	20	0	0	0	0	0	20	1	18	SPARE	18						
19	SPACE	19	1	0	0	0	0	0	0	0	0	1	20	SPACE	20						
21	SPACE	21	1	0	0	0	0	0	0	0	0	1	22	SPACE	22						
23	SPACE	23	1	0	0	0	0	0	0	0	0	1	24	SPACE	24						
25	SPACE	25	1	0	0	0	0	0	0	0	0	1	26	SPACE	26						
27	SPACE	27	1	0	0	0	0	0	0	0	0	1	28	SPACE	28						
29	SPACE	29	1	0	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	CKT #	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					
1	VE RACK	1	1	20	20	1900	A	B	C	0	20	1	2	SPARE	2						
3	VAC GAUGE PS	3	1	20	20	1000	0	1000	0				4	SPARE	4						
5	MAIN ION PUMP PS	5	1	20	20	1400	0	0	1400				6	SPARE	6						
7	SPARE	7	1	20	20	0	0	0	0	0	20	1	8	SPARE	8						
9	SPARE	9	1	20	20	0	0	0	0	0	20	1	10	SPARE	10						
11	SPARE	11	1	20	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	CKT #	MOUNTING Surface Mount		MAIN 100A																	
DP.01	38	PHASE 3	WIRE 4	FEEDER 4*1 & 1*6 GND 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					
1	TURBO BACKING PUMP	1	3	30	30	8000	A	B	C	0	30	3	2	SPARE	2						
3		3					0	2667	0				4		4						
5		5					0	0	2667				6		6						
7	SPARE	7	3	30	30	0	0	0	0	0	30	3	8	SPARE	8						
9		9					0	0	0				10		10						
11		11					0	0	0				12		12						
TOTAL							2667	2667	2667												
TOTAL CONNECTED LOAD (VA)							8000														
(AMPS)							22.2														

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	AMM	JCL	AMM	JDM	ISSUED FOR BID
A	6-14-96	AMM	JCL	KR	TDM	FINAL DESIGN REVIEW

DRAWN	M. M.
CHECKED	
ENGINEER	
PROJ	

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

LA-E-206

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Tue Jul 23 19:22:43 1996 S3-V18B2