

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	1900	A	B	C	8600	30		3	2	GENERAL LOAD	2
3	GEN RCPT PUMP 2	3	1		20	1900							4			
5	GATE VALVE 1	5	1		20	1400							6			
7	SPARE	7	1		20	0				0	20		8	SPARE	8	
9	SPARE	9	1		20	0				0	20		10	SPARE	10	
11	GATE VALVE 2	11	1		20	1400				0	20		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	1900	A	B	C	8600	30		3	2	GENERAL LOAD	2
3	GEN RCPT PUMP 4	3	1		20	1900							4			
5	GATE VALVE 3	5	1		20	1400							6			
7	VE RACK (FUTURE)	7	1		20	1900				0	20		8	SPARE	8	
9	SPARE	9	1		20	0				0	20		10	SPARE	10	
11	GATE VALVE 4	11	1		20	1400				0	20		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 (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
1	HEATER HC-03	1	3		125	75000	A	B	C	6318	20		3	2	AIR COMPRESS AC-01,AC-02	2
3		3											4			
5		5											6			
7	CHILLER CH-01	7	3		150	77000				77000	150		3	8	CHILLER CH-02	8
9		9											10			
11		11											12			
13	SPARE	13	3		100	0				0	100		3	14	SPARE	14
15		15											16			
17		17											18			
19	XFMR TR-02	19	3		100	75000				67255	200		3	20	PNL DP-02	20
21		21											22			
23		23											24			
25	PNL CDSAC_01	25	3		70	11520				83400	200		3	26	PNL VEAC_01B	26
27		27											28			
29		29											30			
31	PNL VEAC_02B	31	3		100	47401				0	100		1	32	SPARE	32
33		33								0	100		1	34	SPARE	34
35		35								0	100		1	36	SPARE	36
37	MC_01	37	3		175	93111				30000	100		3	38	PNL VEAC_04B	38
39		39											40			
41		41											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	1920	A	B	C	1920	20		1	2	CDS RACK POWER	2
3	CDS RACK POWER	3	1		20	1920				1920	20		1	4	CDS RACK POWER	4
5	CDS RACK POWER	5	1		20	1920				1920	20		1	6	CDS RACK POWER	6
7	SPARE	7	1		20	0				0	20		1	8	SPARE	8
9	SPARE	9	1		20	0				0	20		1	10	SPARE	10
11	SPARE	11	1		20	0				0	20		1	12	SPARE	12
13	SPARE	13	1		20	0				0	20		1	14	SPARE	14
15	SPARE	15	1		20	0				0	20		1	16	SPARE	16
17	SPARE	17	1		20	0				0	20		1	18	SPARE	18
19	SPACE	19	1		0	0				0	0		1	20	SPACE	20
21	SPACE	21	1		0	0				0	0		1	22	SPACE	22
23	SPACE	23	1		0	0				0	0		1	24	SPACE	24
25	SPACE	25	1		0	0				0	0		1	26	SPACE	26
27	SPACE	27	1		0	0				0	0		1	28	SPACE	28
29	SPACE	29	1		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	1900	A	B	C	0	20		1	2	SPARE	2
3	VAC GAUGE PS	3	1		20	1000				0	20		1	4	SPARE	4
5	MAIN ION PUMP PS	5	1		20	1400				0	20		1	6	SPARE	6
7	SPARE	7	1		20	0				0	20		1	8	SPARE	8
9	SPARE	9	1		20	0				0	20		1	10	SPARE	10
11	SPARE	11	1		20	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	8000	A	B	C	0	30		3	2	SPARE	2
3		3												4		
5		5												6		
7	SPARE	7	3		30	0				0	30		3	8	SPARE	8
9		9												10		
11		11												12		
TOTAL							2667	2667	2667							
TOTAL CONNECTED LOAD (VA)							8000									
(AMPS)							22.2									

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	11-15-96
CHECKED	KCL	7-24-96
ENGINEER	KCR	10-25-96
PROJ	T. D. M.	11-15-96

**AS-BUILT DRAWINGS**

**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: PP150969  
PROJECT NUMBER: 8094

SHEET NUMBER: **LA-E-206**

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