

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								4			4	
5	GATE VALVE 1	5	1	20	20	1400								6			6	
7	SPARE	7	1	20	20	0				0	20			8	1	8	SPARE	8
9	SPARE	9	1	20	20	0				0	20			10	1	10	SPARE	10
11	GATE VALVE 2	11	1	20	20	1400				0	20			12	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	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								4			4	
5	GATE VALVE 3	5	1	20	20	1400								6			6	
7	VE RACK (FUTURE)	7	1	20	20	1900				0	20			8	1	8	SPARE	8
9	SPARE	9	1	20	20	0				0	20			10	1	10	SPARE	10
11	GATE VALVE 4	11	1	20	20	1400				0	20			12	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													
XFMR TR-01		PHASE 4		WIRE 4													
FEEDER (214*500)KCMIL		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	25000	A	B	C	6318	20			3	2	AIR COMPRESS AC-01,AC-02	2
3		3				25000								4			4
5		5				25000								6			6
7	CHILLER CH-01	7	3	150	77000	25667				77000	150			3	8	CHILLER CH-02	8
9		9				25667								10			10
11		11				25667								12			12
13	SPARE	13	3	100	0	0				0	100			3	14	SPARE	14
15		15				0								16			16
17		17				0								18			18
19	XFMR TR-02	19	3	100	75000	25000				67255	200			3	20	PNL DP-02	20
21		21				25000								22			22
23		23				25000								24			24
25	PNL CDSAC_01	25	3	70	11520	3848				83400	200			3	26	PNL VEAC_01B	26
27		27				27800								28			28
29		29				3848								30			30
31	PNL VEAC_02B	31	3	100	47401	16067				0	100			1	32	SPARE	32
33		33				15667				0	100			1	34	SPARE	34
35		35				15667				0	100			1	36	SPARE	36
37	MC_01	37	3	175	93111	31837				30000	100			3	38	PNL VEAC_04B	38
39		39				10200								40			40
41		41				31837								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		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				1920	20			1	4	CDS RACK POWER	4
5	CDS RACK POWER	5	1	20	20	1920				1920	20			1	6	CDS RACK POWER	6
7	SPARE	7	1	20	20	0				0	20			1	8	SPARE	8
9	SPARE	9	1	20	20	0				0	20			1	10	SPARE	10
11	SPARE	11	1	20	20	0				0	20			1	12	SPARE	12
13	SPARE	13	1	20	20	0				0	20			1	14	SPARE	14
15	SPARE	15	1	20	20	0				0	20			1	16	SPARE	16
17	SPARE	17	1	20	20	0				0	20			1	18	SPARE	18
19	SPACE	19	1	0	0	0				0	0			1	20	SPACE	20
21	SPACE	21	1	0	0	0				0	0			1	22	SPACE	22
23	SPACE	23	1	0	0	0				0	0			1	24	SPACE	24
25	SPACE	25	1	0	0	0				0	0			1	26	SPACE	26
27	SPACE	27	1	0	0	0				0	0			1	28	SPACE	28
29	SPACE	29	1	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		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	20			1	4	SPARE	4
5	MAIN ION PUMP PS	5	1	20	20	1400				0	20			1	6	SPARE	6
7	SPARE	7	1	20	20	0				0	20			1	8	SPARE	8
9	SPARE	9	1	20	20	0				0	20			1	10	SPARE	10
11	SPARE	11	1	20	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		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	2667	A	B	C	0	30			3	2	SPARE	2
3		3				2667								3	4		4
5		5				2667								3	6		6
7	SPARE	7	3	30	0	0				0	30			3	8	SPARE	8
9		9				0								3	10		10
11		11				0								3	12		12
TOTAL							2667	2667	2667								
TOTAL CONNECTED LOAD (VA)							8000										
(AMPS)							22.2										

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

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	D.K.	W		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

LIGO-D961030-01-0  
LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 2 - LIVINGSTON, LOUISIANA

ELECTRICAL  
END A AND B STATIONS  
PANEL SCHEDULES

SCALE: NONE  
CONTRACT NUMBER: PPI50969  
PROJECT NUMBER: 8094

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

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