

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	1900	A	B	C	8600	30	3	2	GENERAL LOAD	2	
3	GEN RCPT PUMP 2	3	1	20	1900	1900	0	1900	0	0	0	0	4		4	
5	GATE VALVE 1	5	1	20	1400	1400	0	0	1400	0	0	0	6		6	
7	SPARE	7	1	20	0	0	0	0	0	0	0	0	8	SPARE	8	
9	SPARE	9	1	20	0	0	0	0	0	0	0	0	10	SPARE	10	
11	GATE VALVE 2	11	1	20	1400	1400	0	0	1400	0	0	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 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	1900	A	B	C	8600	30	3	2	GENERAL LOAD	2	
3	GEN RCPT PUMP 4	3	1	20	1900	1900	0	1900	0	0	0	0	4		4	
5	GATE VALVE 3	5	1	20	1400	1400	0	0	1400	0	0	0	6		6	
7	VE RACK (FUTURE)	7	1	20	1900	1900	0	0	0	0	0	0	8	SPARE	8	
9	SPARE	9	1	20	0	0	0	0	0	0	0	0	10	SPARE	10	
11	GATE VALVE 4	11	1	20	1400	1400	0	0	1400	0	0	0	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	25000	A	B	C	6318	20	3	2	AIR COMPRESS AC-01,AC-02	2	
3		3				25000	0	25000	0	0	0	0	4		4	
5		5				2185	0	0	2185	0	0	0	6		6	
7	CHILLER CH-01	7	3	150	77000	25667	A	B	C	77000	150	3	8	CHILLER CH-02	8	
9		9				25667	0	0	25667	0	0	0	10		10	
11		11				25667	0	0	25667	0	0	0	12		12	
13	SPARE	13	3	100	0	0	0	0	0	0	100	3	14	SPARE	14	
15		15				0	0	0	0	0	0	0	16		16	
17		17				0	0	0	0	0	0	0	18		18	
19	XFMR TR-02	19	3	100	75000	25000	A	B	C	67255	200	3	20	PNL DP-02	20	
21		21				21445	0	0	0	0	0	0	22		22	
23		23				25000	0	25000	0	0	0	0	24		24	
25	PNL CDSAC_01	25	3	70	11520	3840	A	B	C	83400	200	3	25	PNL VEAC_01B	26	
27		27				27800	0	0	0	0	0	0	28		28	
29		29				27800	0	0	0	0	0	0	30		30	
31	PNL VEAC_02B	31	3	100	47401	16067	A	B	C	0	100	1	32	SPARE	32	
33		33				15667	0	0	0	0	100	1	34	SPARE	34	
35		35				0	0	0	0	0	100	1	36	SPARE	36	
37	MC_01	37	3	175	93111	31837	A	B	C	30000	100	3	38	PNL VEAC_04B	38	
39		39				10000	0	0	0	0	0	0	40		40	
41		41				10000	0	0	0	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	1920	1920	A	B	C	1920	20	1	2	CDS RACK POWER	2	
3	CDS RACK POWER	3	1	20	1920	1920	0	1920	0	0	0	0	4	CDS RACK POWER	4	
5	CDS RACK POWER	5	1	20	1920	1920	0	0	1920	0	0	0	6	CDS RACK POWER	6	
7	SPARE	7	1	20	0	0	0	0	0	0	0	0	8	SPARE	8	
9	SPARE	9	1	20	0	0	0	0	0	0	0	0	10	SPARE	10	
11	SPARE	11	1	20	0	0	0	0	0	0	0	0	12	SPARE	12	
13	SPARE	13	1	20	0	0	0	0	0	0	0	0	14	SPARE	14	
15	SPARE	15	1	20	0	0	0	0	0	0	0	0	16	SPARE	16	
17	SPARE	17	1	20	0	0	0	0	0	0	0	0	18	SPARE	18	
19	SPACE	19	1	0	0	0	0	0	0	0	0	0	20	SPACE	20	
21	SPACE	21	1	0	0	0	0	0	0	0	0	0	22	SPACE	22	
23	SPACE	23	1	0	0	0	0	0	0	0	0	0	24	SPACE	24	
25	SPACE	25	1	0	0	0	0	0	0	0	0	0	26	SPACE	26	
27	SPACE	27	1	0	0	0	0	0	0	0	0	0	28	SPACE	28	
29	SPACE	29	1	0	0	0	0	0	0	0	0	0	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	1900	A	B	C	0	20	1	2	SPARE	2	
3	VAC GAUGE PS	3	1	20	1000	1000	0	1000	0	0	0	0	4	SPARE	4	
5	MAIN ION PUMP PS	5	1	20	1400	1400	0	0	1400	0	0	0	6	SPARE	6	
7	SPARE	7	1	20	0	0	0	0	0	0	0	0	8	SPARE	8	
9	SPARE	9	1	20	0	0	0	0	0	0	0	0	10	SPARE	10	
11	SPARE	11	1	20	0	0	0	0	0	0	0	0	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	2667	A	B	C	0	30	3	2	SPARE	2	
3		3				2667	0	2667	0	0	0	0	4		4	
5		5				2667	0	0	2667	0	0	0	6		6	
7	SPARE	7	3	30	0	0	0	0	0	0	30	3	8	SPARE	8	
9		9				0	0	0	0	0	0	0	10		10	
11		11				0	0	0	0	0	0	0	12		12	
TOTAL						2667	2667	2667								
TOTAL CONNECTED LOAD (VA)						8000										
(AMPS)						22.2										

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LIGO-D961030-A-O

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	6-14-96	JCL	W	EDM		FINAL DESIGN REVIEW

DRAWN M. M.  
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PROJ

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100 WEST WALNUT STREET  
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LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 2 - LIVINGSTON, LOUISIANA

ELECTRICAL  
MID & END A STATIONS  
PANEL SCHEDULES

SCALE NONE CONTRACT NUMBER PP150969 PROJECT NUMBER 8094  
SHEET NUMBER LA-E-206