

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	
							A	B	C								
1	GEN RCPT PUMP 1	1	1	20	20	1900	1900	0	0	8600	30	3	2	GENERAL LOAD	2		
3	GEN RCPT PUMP 2	3	1	20	20	1900	1900	0	0	8600	30	3	4	GENERAL LOAD	4		
5	GATE VALVE 1	5	1	20	20	1400	1400	0	0	0	20	1	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	1400	0	0	0	20	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	
							A	B	C								
1	GEN RCPT PUMP 3	1	1	20	20	1900	1900	0	0	8600	30	3	2	GENERAL LOAD	2		
3	GEN RCPT PUMP 4	3	1	20	20	1900	1900	0	0	8600	30	3	4	GENERAL LOAD	4		
5	GATE VALVE 3	5	1	20	20	1400	1400	0	0	0	20	1	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	1400	0	0	0	20	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 (24*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	125	75000	25000	25000	25000	6318	20	3	2	AIR COMPRESS AC-01,AC-02	2		
3		3					25000	2186	0				4		4		
5		5					25000	2186	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					25667	25667	0				10		10		
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					25000	20438	0				22		22		
23		23					25000	25372	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					3840	27800	0				28		28		
29		29					3840	27800	0				30		30		
31	PNL VEAC_02B	31	3	100	100	47401	16067	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	175	93111	31037	10000	0	30000	100	3	38	PNL VEAC_04B	38		
39		39					31037	10000	0				40		40		
41		41					31037	10000	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	
							A	B	C								
1	CDS RACK POWER	1	1	20	20	1920	1920	0	0	1920	20	1	2	CDS RACK POWER	2		
3	CDS RACK POWER	3	1	20	20	1920	1920	0	0	1920	20	1	4	CDS RACK POWER	4		
5	CDS RACK POWER	5	1	20	20	1920	1920	0	0	1920	20	1	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										

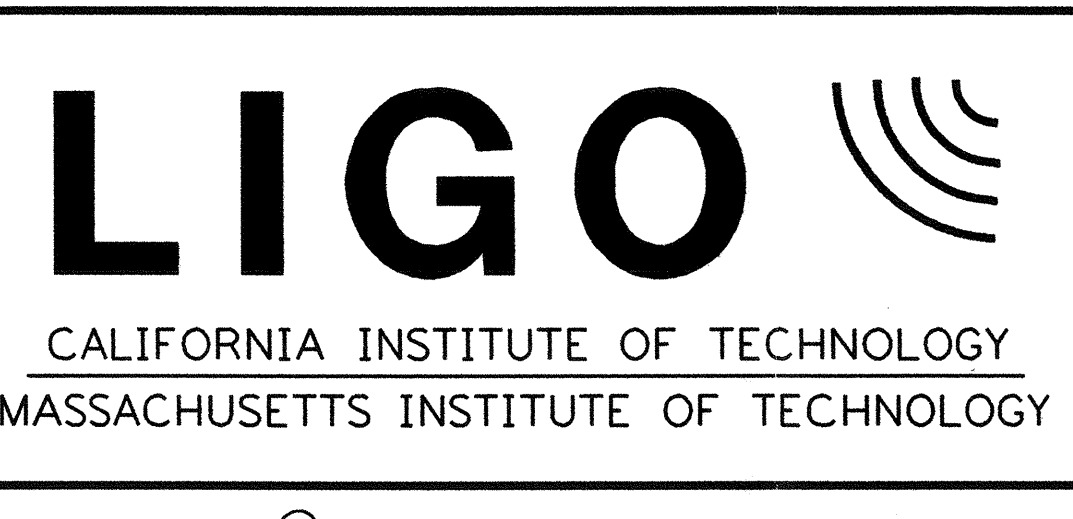
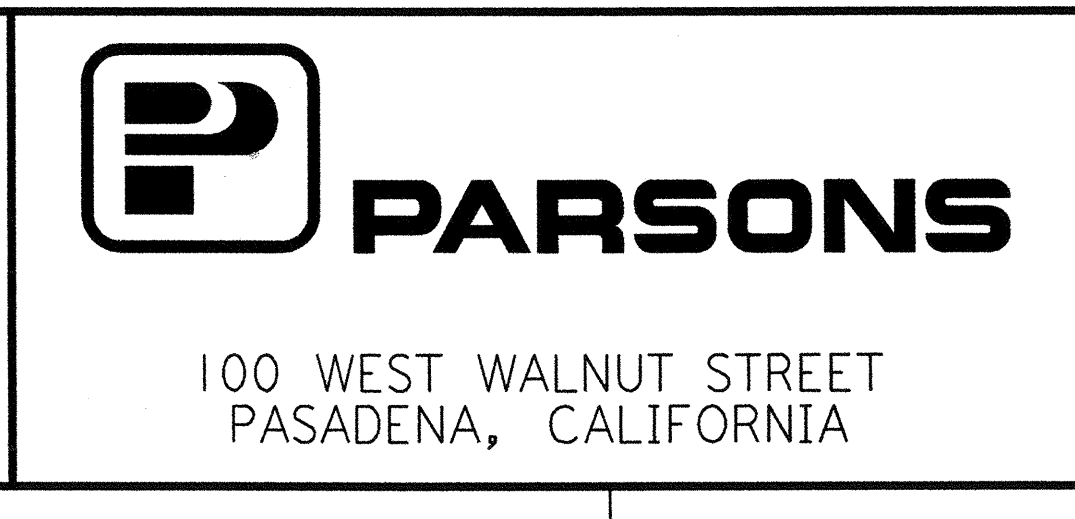
PANEL VEAC_04A		LOCATION ROOM 205			VOLTS 208Y/120V												
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A													
DP_01	19	PHASE 3		WIRE 4		FEEDER 4*2/0 & 1*4 GND BUS 100A											
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	VE RACK	1	1	20	20	1900	1900	0	0	0	20	1	2	SPARE	2		
3	VAC GAUGE PS	3	1	20	20	1000	0	1000	0	0	20	1	4	SPARE	4		
5	MAIN ION PUMP PS	5	1	20	20	1400	0	0	1400	0	20	1	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	
							A	B	C								
1	TURBO BACKING PUMP	1	3	30	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	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										

ISSUED FOR CONSTRUCTION	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
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

ISSUED FOR AS-BUILT	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	AK			



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**

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

E
D
C
B
A