

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 100												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	GEN RECP PUMP 1	1	1	12	20	1900	A	B	C	8600	30	0	1	2	GENERAL LOAD	2	
3	GEN RECP PUMP 2	3	1	0	20	1900	0	0	0	0	30	10	1	4		4	
5	GATE VALVE 1	5	3	0	30	1400	0	0	1400	0	0	0	1	6		6	
7		7	1	0	20	0	0	0	0	0	30	0	3	8	SPARE	8	
9		9	1	0	20	0	0	0	0	0	30	0	10	10	SPARE	10	
11	GATE VALVE 2	11	1	0	20	1400	0	0	1400	0	0	0	12	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 100												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	GEN RECP PUMP 3	1	1	0	20	1900	A	B	C	8600	20	0	3	2	GENERAL LOAD	2	
3	GEN RECP PUMP 4	3	3	0	30	1900	0	0	0	0	0	0	4		4		
5	GATE VALVE 3	5	1	0	30	1400	0	0	1400	0	0	0	6		6		
7	VE RACK (FUTURE)	7	1	0	30	1900	0	0	0	0	30	0	1	8	SPARE	8	
9	SPARE	9	1	0	20	0	0	0	0	0	20	0	1	10	SPARE	10	
11	GATE VALVE 4	11	1	0	20	1400	0	0	1400	0	0	0	12	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													
DP_01		PHASE 3	WIRE 3	FEEDER (2)4*500KCMIL	BUS 800												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	AIR COMP	1	3	0	20	75000	A	B	C	6318	0	0	3	2	SPACE	2	
3		3	0	0	0	0	0	0	0	0	0	0	4	4	SPACE	4	
5		5	0	0	0	0	0	0	0	0	0	0	6	6	SPACE	6	
7	XFMR TR-02	7	3	0	100	77000	0	0	0	77000	70	0	3	8	XFMR TR-03	8	
9		9	0	0	0	0	0	0	0	0	0	0	10		10		
11		11	0	0	0	0	0	0	0	0	0	0	12		12		
13	VEAC-02B	13	3	0	100	0	0	0	0	0	100	0	3	14	VEAC-04B	14	
15		15	0	0	0	0	0	0	0	0	0	0	16		16		
17		17	0	0	0	0	0	0	0	0	0	0	18		18		
19	CH-01	19	3	0	150	55380	0	0	0	161188	125	0	3	20	HC-03	20	
21		21	0	0	0	0	0	0	0	0	0	0	22		22		
23		23	0	0	0	0	0	0	0	0	0	0	24		24		
25	MC-01	25	3	0	175	11520	0	0	0	83400	150	0	3	26	CH-02	26	
27		27	0	0	0	0	0	0	0	0	0	0	28		28		
29		29	0	0	0	0	0	0	0	0	0	0	30		30		
31	DP-02	31	3	0	225	47400	0	0	0	0	225	0	3	32	VEAC-01B	32	
33		33	0	0	0	0	0	0	0	0	0	0	34		34		
35		35	0	0	0	0	0	0	0	0	0	0	36		36		
37		37	3	0	0	93112	0	0	0	30000	0	0	3	38	PNL VEAC_04B	38	
39		39	0	0	0	0	0	0	0	0	0	0	40		40		
41		41	0	0	0	0	0	0	0	0	0	0	42		42		
TOTAL							239106	239106	239106								
TOTAL CONNECTED LOAD (VA)							717318										
(AMPS)							862.8										

* NOTE:
 THIS SCHEDULE IS FOR REFERENCE ONLY.
 SEE SINGLE LINE DIAGRAM ON DRAWING
 WA-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 100												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	CDS RACK POWER	1	1	0	20	1920	A	B	C	1920	20	0	1	2	CDS RACK POWER	2	
3	CDS RACK POWER	3	1	0	20	1920	0	0	0	1920	20	0	1	4	CDS RACK POWER	4	
5	CDS RACK POWER	5	1	0	20	1920	0	0	0	1920	20	0	1	6	CDS RACK POWER	6	
7	SPARE	7	1	0	20	0	0	0	0	0	20	0	1	8	SPARE	8	
9	SPARE	9	1	0	20	0	0	0	0	0	20	0	1	10	SPARE	10	
11	SPARE	11	1	0	20	0	0	0	0	0	20	0	1	12	SPARE	12	
13	SPARE	13	1	0	20	0	0	0	0	0	20	0	1	14	SPARE	14	
15	SPARE	15	1	0	20	0	0	0	0	0	20	0	1	16	SPARE	16	
17	SPARE	17	1	0	20	0	0	0	0	0	20	0	1	18	SPARE	18	
19	SPARE	19	1	0	20	0	0	0	0	0	20	0	1	20	SPARE	20	
21	SPARE	21	1	0	20	0	0	0	0	0	20	0	1	22	SPARE	22	
23	SPARE	23	1	0	20	0	0	0	0	0	20	0	1	24	SPARE	24	
25	SPARE	25	3	0	30	0	0	0	0	0	20	0	1	26	SPARE	26	
27	SPARE	27	0	0	30	0	0	0	0	0	20	0	1	28	SPARE	28	
29	SPARE	29	0	0	30	0	0	0	0	0	20	0	1	30	SPARE	30	
TOTAL							3840	3840	3840								
TOTAL CONNECTED LOAD (VA)							11520										
(AMPS)							32.0										

PANEL VEAC_04A		LOCATION ROOM 205		VOLTS 208Y/120V													
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A													
DP_01		PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	GND BUS 100												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	VE RACK	1	1	0	20	1900	A	B	C	0	30	0	3	2	SPARE	2	
3	VAC GAUGE PS	3	1	0	20	1000	0	0	0	0	30	0	4	4	SPARE	4	
5	MAIN ION OUMP PS	5	1	0	20	1400	0	0	0	0	30	0	6	6	SPARE	6	
7	SPARE	7	1	0	20	0	0	0	0	0	20	0	1	8	SPARE	8	
9	SPARE	9	1	0	20	0	0	0	0	0	20	0	1	10	SPARE	10	
11	SPARE	11	1	0	20	0	0	0	0	0	20	0	1	12	SPARE	12	
TOTAL							1900	1000	1400								
TOTAL CONNECTED LOAD (VA)							4300										
(AMPS)							11.9										

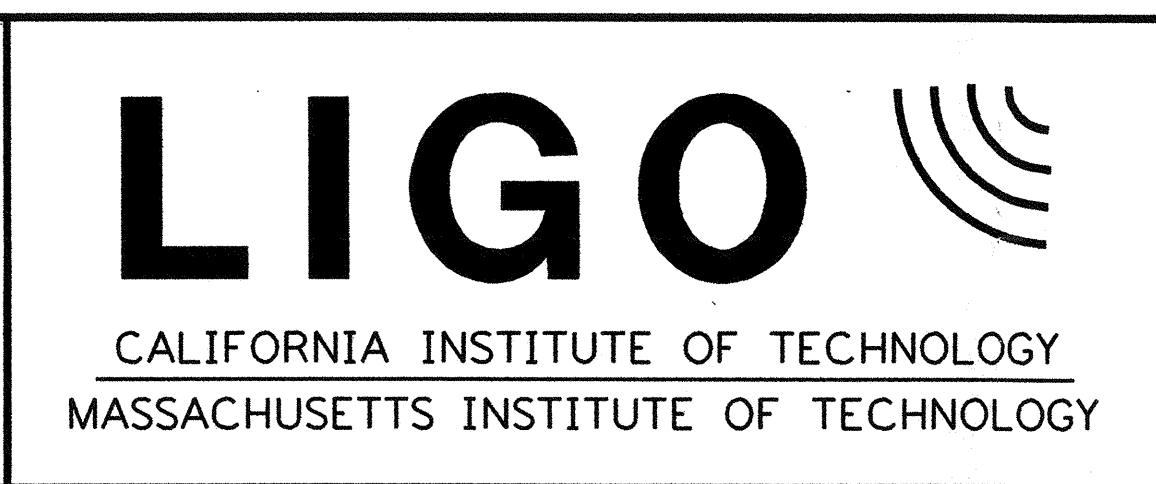
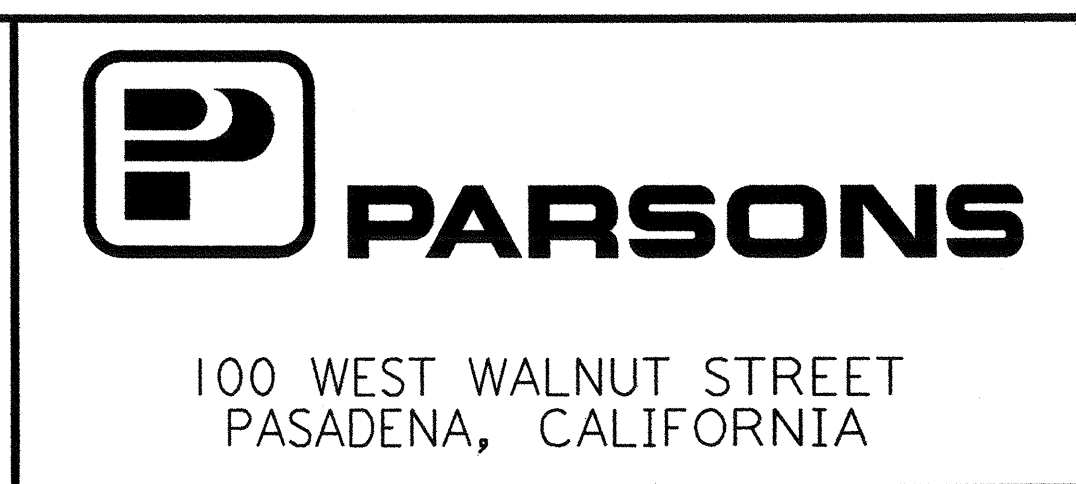
PANEL VEAC_04B		LOCATION ROOM 205		VOLTS 480Y/277V													
FED FROM	CKT #	MOUNTING Surface Mount		MAIN Main lugs													
DP_01	38	PHASE 3	WIRE 4	FEEDER 4*1 & 1*6	GND BUS 125												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	TURBO BACKING PUMP	1	3	80	0	8000	A	B	C	0	20	0	3	2	SPARE	2	
3		3	0	0	0	0	0	0	0	0	0	0	4		4		
5		5	0	0	0	0	0	0	0	0	0	0	6		6		
7	SPARE	7	3	20	0	0	0	0	0	0	20	0	3	8	SPARE	8	
9		9	0	0	0	0	0	0	0	0	0	0	10		10		
11		11	0	0	0	0	0	0	0	0	0	0	12		12		
TOTAL							2667	2667	2667								
TOTAL CONNECTED LOAD (VA)							8000										
(AMPS)							9.6										

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	6-15-98	J.G.	JG	JG	PP	ISSUED FOR AS-BUILT

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	6-15-98	J.G.	JG	JG	PP	ISSUED FOR AS-BUILT

AS-BUILT DRAWINGS

ISSUED FOR CONSTRUCTION
 DRAWN M.M. 6-25-96
 CHECKED J.K. 7-3-96
 ENGINEER K.R. 7-3-96
 PROJ M.D.W. 7-8-96



LIGO-D960416-01-0

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 1 - HANFORD, WASHINGTON

ELECTRICAL MID & END A STATIONS PANEL SCHEDULES

SCALE: NONE CONTRACT NUMBER: PP150969 PROJECT NUMBER: 8094

SHEET NUMBER: WA-E-206 REVISIONS: 1

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.

The Jul 09 13:50:59 1998 C:\PLOT\QIES3-V36B2.DWG 52085 K:\V36B2\wae206a.prf