

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	0	0	1900	A	B	C	8600	0	0	3	2	GENERAL LOAD	2	
3	GEN RECP PUMP 2	3	1	0	0	1900	0	1900	0				4				
5	GATE VALVE 1	5	1	0	0	1400	0	0	1400				6				
7	Spare	7	1	0	0	0	0	0	0				8	Spare	8		
9	Spare	9	1	0	0	0	0	0	0				10	Spare	10		
11	GATE VALVE 2	11	1	0	0	1400	0	0	1400				12	Spare	12		
TOTAL							4767	4767	5667								
TOTAL CONNECTED LOAD (VA)							15200										
(AMPS)							42.19										

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	0	1920	A	B	C	1920	0	0	1	2	CDS RACK POWER	2	
3	CDS RACK POWER	3	1	0	0	1920	0	1920	0				4	CDS RACK POWER	4		
5	CDS RACK POWER	5	1	0	0	1920	0	0	1920				6	CDS RACK POWER	6		
7	Spare	7	1	0	0	0	0	0	0				8	Spare	8		
9	Spare	9	1	0	0	0	0	0	0				10	Spare	10		
11	Spare	11	1	0	0	0	0	0	0				12	Spare	12		
13	Spare	13	1	0	0	0	0	0	0				14	Spare	14		
15	Spare	15	1	0	0	0	0	0	0				16	Spare	16		
17	Spare	17	1	0	0	0	0	0	0				18	Spare	18		
19	Spare	19	1	0	0	0	0	0	0				20	Spare	20		
21	Spare	21	1	0	0	0	0	0	0				22	Spare	22		
23	Spare	23	1	0	0	0	0	0	0				24	Spare	24		
25	Spare	25	1	0	0	0	0	0	0				26	Spare	26		
27	Spare	27	1	0	0	0	0	0	0				28	Spare	28		
29	Spare	29	1	0	0	0	0	0	0				30	Spare	30		
TOTAL							3840	3840	3840								
TOTAL CONNECTED LOAD (VA)							11520										
(AMPS)							31.97										

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	0	1900	A	B	C	8600	0	0	3	2	GENERAL LOAD	2	
3	GEN RECP PUMP 4	3	1	0	0	1900	0	1900	0				4				
5	GATE VALVE 3	5	1	0	0	1400	0	0	1400				6				
7	VE RACK (FUTURE)	7	1	0	0	1900	1900	0	0				8	Spare	8		
9	Spare	9	1	0	0	0	0	0	0				10	Spare	10		
11	GATE VALVE 4	11	1	0	0	1400	0	0	1400				12	Spare	12		
TOTAL							6667	4767	5667								
TOTAL CONNECTED LOAD (VA)							17100										
(AMPS)							41.46										

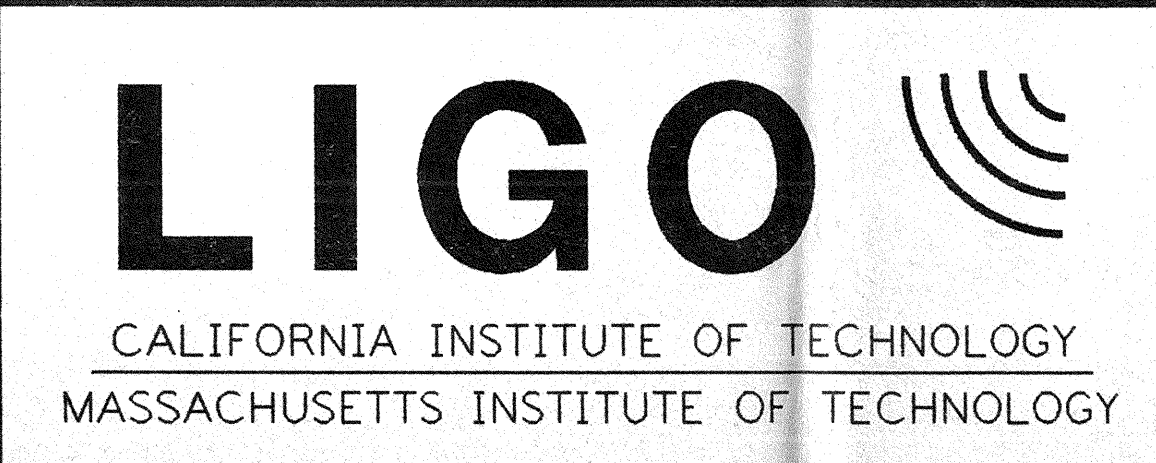
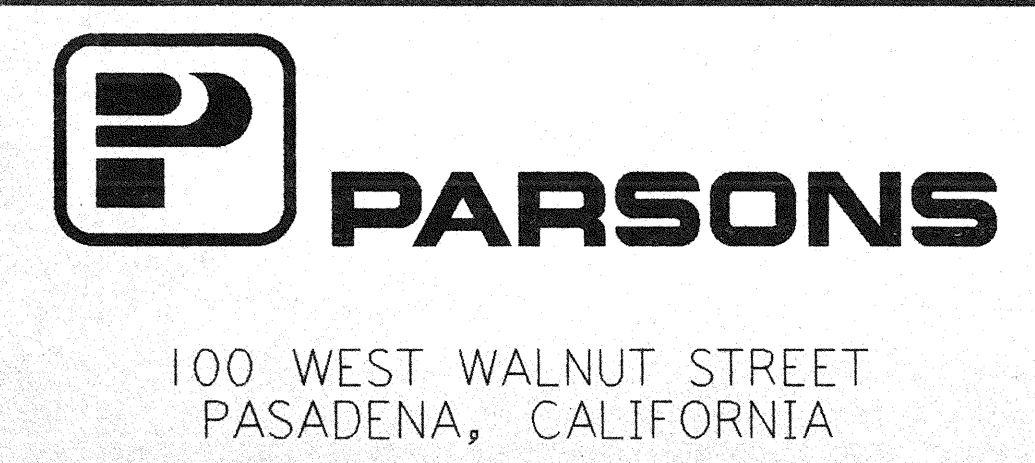
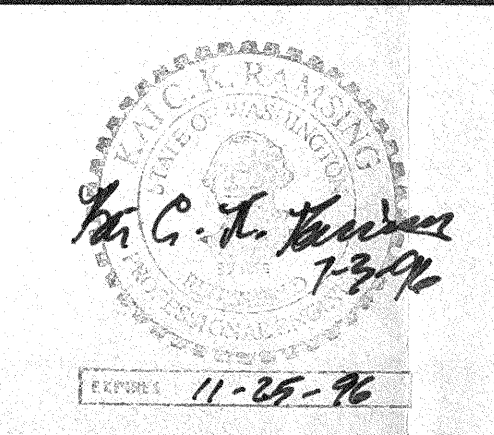
PANEL VEAC_04A		LOCATION ROOM 205		VOLTS 208Y/120V													
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A													
DP_01		PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	GND BUS 100												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	VE RACK	1	1	0	0	1900	A	B	C	0	0	0	1	2	Spare	2	
3	VAC GAUGE PS	3	1	0	0	1000	0	1000	0				4	Spare	4		
5	MAIN ION OUMP PS	5	1	0	0	1400	0	0	1400				6	Spare	6		
7	Spare	7	1	0	0	0	0	0	0				8	Spare	8		
9	Spare	9	1	0	0	0	0	0	0				10	Spare	10		
11	Spare	11	1	0	0	0	0	0	0				12	Spare	12		
TOTAL							1900	1000	1400								
TOTAL CONNECTED LOAD (VA)							4300										
(AMPS)							11.93										

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	HEATER HC_03	1	1	0	0	75000	A	B	C	6318	0	0	3	2	AIR COMPRESS 01,02	2	
3		3	1	0	0	0	0	25000	0				4				
5		5	1	0	0	0	0	0	25000				6				
7	CHILLER 01	7	3	0	0	77000	25667	25667	25667	77000	0	0	3	8	CHILLER 02	8	
9		9				0	0	0	0				10				
11		11				0	0	0	0				12				
13	Spare	13	3	0	0	0	0	0	0				14	Spare	14		
15		15				0	0	0	0				16				
17		17				0	0	0	0				18				
19	RP-1,VEAC-1A,2A,04A	19	3	0	0	55380	18460	53729	18460	161188	0	0	3	20	PNL DP-02	20	
21		21				0	0	0	0				22				
23		23				0	0	0	0				24				
25	PNL CDSAC_01	25	3	0	0	11520	3840	27800	3840	83400	0	0	3	26	PNL VEAC_01B	26	
27		27				0	0	0	0				28				
29		29				0	0	0	0				30				
31	PNL VEAC_02B	31	3	0	0	47400	15800	0	0	0	0	0	1	32	Spare	32	
33		33				0	0	15800	0	0	0	0	1	34	Spare	34	
35		35				0	0	0	15800	0	0	0	1	36	Spare	36	
37	MCC_01	37	3	0	0	93112	31037	10000	31037	30000	0	0	3	38	PNL VEAC_04B	38	
39		39				0	0	0	0				40				
41		41				0	0	0	0				42				
TOTAL							239106	239106	239106								
TOTAL CONNECTED LOAD (VA)							717318										
(AMPS)							862.79										

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	0	0	8000	A	B	C	0	0	0	3	2	SPARE	2	
3		3				0	0	2667	0				4				
5		5				0	0	0	2667				6				
7	SPARE	7	3	0	0	0	0	0	0				8	SPARE	8		
9		9				0	0	0	0				10				
11		11				0	0	0	0				12				
TOTAL							2667	2667	2667								
TOTAL CONNECTED LOAD (VA)							8000										
(AMPS)							9.62										

NOTE:
 THIS SCHEDULE IS FOR REFERENCE ONLY.
 SEE SINGLE LINE DIAGRAM ON DRAWING *
 WA-E-008 FOR DISTRIBUTION PANEL DP-01.

ISSUED FOR CONSTRUCTION
 DRAWN M.M. 6-25-96
 CHECKED JH 7-3-96
 ENGINEER JH 7-2-96
 PROJ WJW 7/2/96



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

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION