

PANEL VEAC-01		LOCATION LVEA RM 105				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN											
		PHASE 3	WIRE 4	FEEDER		BUS 225									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	HEATER BLANKET CART	1	3			27000	9000 1233	3700		3	2	2	MAIN ROUGHING PUMP	2	
		3					9000 1233					4			
		5					9000 1233					6			
7	MAIN TURBO PUMP	7	1			400	400 9000	27000		3	8	8	C-CC-PD-VEAC-07	8	
9	SPARE	9					9000					10			
11	SPARE	11					9000					12			
13	SPARE	13					9000	27000		3	14	14	C-CC-PD-VEAC-14	14	
15	SPACE	15					9000					16			
17	SPACE	17					9000					18			
19	SPACE	19					10000	30000		3	20	20	W-C-CC-T-VEAC-01	20	
21	SPACE	21					10000					22			
23	SPACE	23					10000					24			
25	SPACE	25										26	SPACE	26	
27	SPACE	27										28	SPACE	28	
29	SPACE	29										30	SPACE	30	
TOTAL						38633	38233	38233							
TOTAL CONNECTED LOAD (VA)						114699									
(AMPS)						137.96									

PANEL VEAC-04		LOCATION LVEA RM 102				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN											
		PHASE 3	WIRE 4	FEEDER		BUS 225									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	HEATER BLANKET CART	1	3			27000	9000 1233	3700		3	2	2	MAIN ROUGHING PUMP	2	
		3					9000 1233					4			
		5					9000 1233					6			
7	MAIN TURBO PUMP	7	1			400	400 9000	27000		3	8	8	C-CC-PD-VEAC-12	8	
9	SPARE	9					9000					10			
11	SPARE	11					9000					12			
13	SUBFEED TO C-CC-PD-VEAC-06	13	3			67402	22467 9000	27000		3	14	14	C-CC-PD-VEAC-13	14	
		15					22467 9000					16			
		17					22467 9000					18			
19	SPACE	19					15000	45000		3	20	20	W-C-CC-T-VEAC-04	20	
21	SPACE	21					15000					22			
23	SPACE	23					15000					24			
25	SPACE	25										26	SPACE	26	
27	SPACE	27										28	SPACE	28	
29	SPACE	29										30	SPACE	30	
TOTAL						66100	65700	65700							
TOTAL CONNECTED LOAD (VA)						197500									
(AMPS)						237.55									
75 % DEMAND FACTOR TOTAL VA = 148125															

PANEL VEAC-02		LOCATION LVEA RM 104				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN											
		PHASE 3	WIRE 4	FEEDER		BUS 225									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	HEATER BLANKET CART	1	3			27000	9000 1233	3700		3	2	2	MAIN ROUGHING PUMP	2	
		3					9000 1233					4			
		5					9000 1233					6			
7	MAIN TURBO PUMP	7	1			400	400 9000	27000		3	8	8	C-CC-PD-VEAC-07	8	
9	SPARE	9					9000					10			
11	SPARE	11					9000					12			
13	SPARE	13					9000	27000		3	14	14	C-CC-PD-VEAC-14	14	
15	SPACE	15					9000					16			
17	SPACE	17					9000					18			
19	SPACE	19					10000	30000		3	20	20	W-C-CC-T-VEAC-02	20	
21	SPACE	21					10000					22			
23	SPACE	23					10000					24			
25	SPACE	25										26	SPACE	26	
27	SPACE	27										28	SPACE	28	
29	SPACE	29										30	SPACE	30	
TOTAL						38233	38233	38233							
TOTAL CONNECTED LOAD (VA)						114699									
(AMPS)						137.96									

PANEL VEAC-05		LOCATION LVEA RM 103				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN											
		PHASE 3	WIRE 4	FEEDER		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	
						A B C									
1	HEATER BLANKET CART	1	3			20000	9000 6667	27000		3	2	2	CRYOPUMP REGENERATOR	2	
		3					9000 6667					4			
		5					9000 6667					6			
7	MAIN TURBO PUMP	7	1			400	400			3	8	8	SPARE	8	
9	SPARE	9										10			
11	SPARE	11										12			
TOTAL						16067	15667	15667							
TOTAL CONNECTED LOAD (VA)						47401									
(AMPS)						57.0									

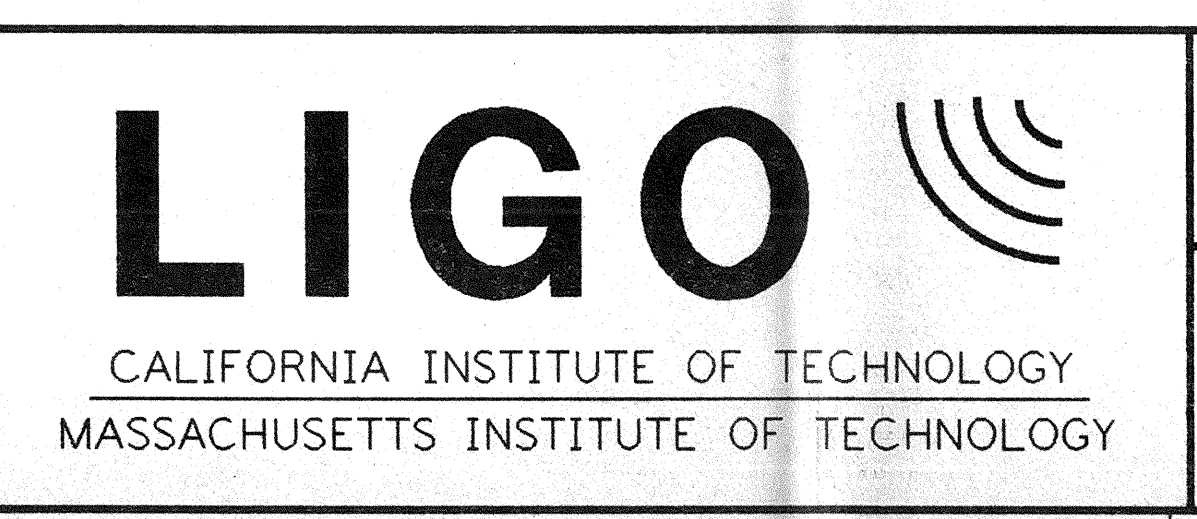
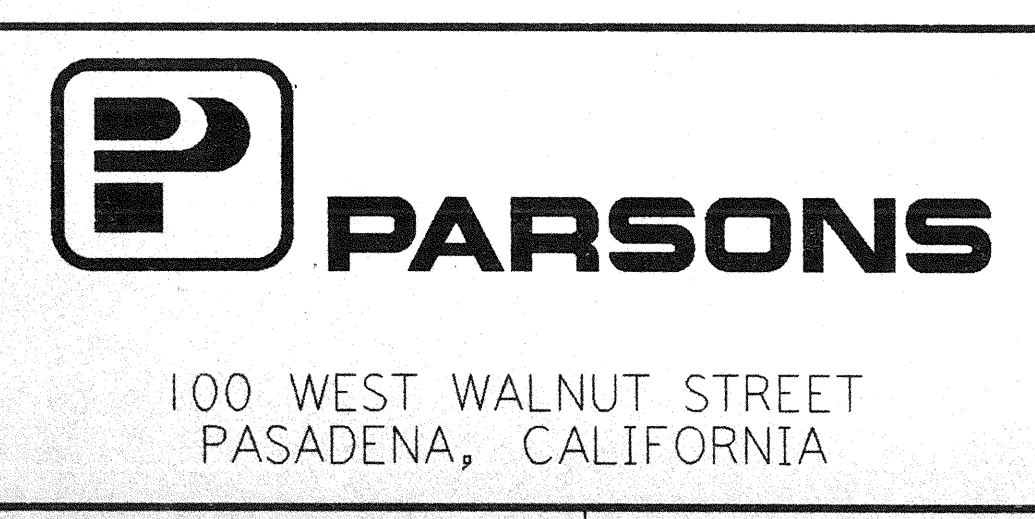
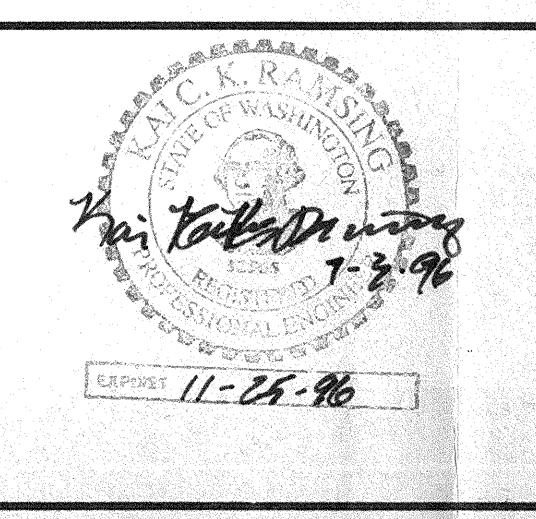
PANEL VEAC-03		LOCATION LVEA RM 103				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN											
		PHASE 3	WIRE 4	FEEDER		BUS 225									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	HEATER BLANKET CART	1	3			27000	9000 1233	3700		3	2	2	MAIN ROUGHING PUMP	2	
		3					9000 1233					4			
		5					9000 1233					6			
7	MAIN TURBO PUMP	7	1			400	400 9000	27000		3	8	8	C-CC-PD-VEAC-12	8	
9	SPARE	9	1				9000					10			
11	SPARE	11	1				9000					12			
13	SUBFEED TO C-CC-PD-VEAC-05	13	3			67402	22467 9000	27000		3	14	14	C-CC-PD-VEAC-13	14	
		15					22467 9000					16			
		17					22467 9000					18			
19	SPACE	19					15000	45000		3	20	20	W-C-CC-T-VEAC-03	20	
21	SPACE	21					15000					22			
23	SPACE	23					15000					24			
25	SPACE	25										26	SPACE	26	
27	SPACE	27										28	SPACE	28	
29	SPACE	29										30	SPACE	30	
TOTAL						66100	65700	65700							
TOTAL CONNECTED LOAD (VA)						197500									
(AMPS)						237.55									
75 % DEMAND FACTOR TOTAL VA = 148125															

PANEL VEAC-06		LOCATION LVEA RM 102				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN											
		PHASE 3	WIRE 4	FEEDER		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	
						A B C									
1	HEATER BLANKET CART	1	3			20000	9000 6667	27000		3	2	2	CRYOPUMP REGENERATOR	2	
		3					9000 6667					4			
		5					9000 6667					6			
7	MAIN TURBO PUMP	7	1			400	400			3	8	8	SPARE	8	
9	SPARE	9										10			
11	SPARE	11										12			
TOTAL						16067	15667	15667							
TOTAL CONNECTED LOAD (VA)						47401									
(AMPS)						57.0									

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ISSUED FOR CONSTRUCTION	DATE
DRAWN	M. M. 6-25-96
CHECKED	7-3-96
ENGINEER	7-3-96
PROJ	7-3-96

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION



LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 1 - HANFORD, WASHINGTON		
TITLE	SCALE	CONTRACT NUMBER
ELECTRICAL CORNER STATION LVEA VEAC PANEL SCHEDULES	NONE	PP150969
SHEET NUMBER	PROJECT NUMBER	
WA-E-118	8094	
LIGO-D960407-00-0		