

PANEL VEAC-18		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	---	30	27000	9000	1233	---	3700	20	---	3	2	MAIN ROUGHING PUMP	2	
		3	---	---	30	---	---	---	---	20	---	---	---	4			
		5	---	---	30	---	---	---	---	20	---	---	---	6			
7	MAIN TURBO PUMP	7	1	---	20	400	400	---	27000	30	---	3	8	PORTABLE CLEAN ROOM	8		
9	SPARE	9	---	---	20	---	---	---	---	30	---	---	10				
11	SPARE	11	---	---	20	---	---	---	---	30	---	---	12				
13	SPARE	13	3	---	20	---	---	---	27000	30	---	3	14	PORTABLE CLEAN ROOM	14		
	SPARE	15	---	---	20	---	---	---	---	30	---	---	16				
	SPARE	17	---	---	20	---	---	---	---	30	---	---	18				
19	C-CC-PD-VEAC-19	19	1	---	30	27400	9133	15000	45000	40	4	3	20	W-C-CC-T-VEAC-05	20		
		21	1	---	30	---	---	---	---	40	4	---	22				
		23	1	---	30	---	---	---	---	40	4	---	24				
25	SPACE	25	---	---									26	SPACE	26		
27	SPACE	27	---	---									28	SPACE	28		
29	SPACE	29	---	---									30	SPACE	30		
TOTAL							52366	52366	52366								
TOTAL CONNECTED LOAD (VA)							157090										
(AMPS)							188.94										

PANEL VEAC-19		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	---	60	20000	9000	---	---	60	---	3	2	SPARE	2		
		3	---	---	60	---	---	---	---	60	---	---	4				
		5	---	---	60	---	---	---	---	60	---	---	6				
7	MAIN TURBO PUMP	7	1	---	20	400	400	---	---	60	---	3	8	SPARE	8		
9	SPARE	9	1	---	20	---	---	---	---	60	---	---	10				
11	SPARE	11	1	---	20	---	---	---	---	60	---	---	12				
TOTAL							9400	9000	9000								
TOTAL CONNECTED LOAD (VA)							27400										
(AMPS)							32.95										

PANEL VEAC-18A		LOCATION LVEA RM 103										VOLTS 208Y/120V					
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	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	1	1	---	20	1920	1920	---	8600	20	---	3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2		
3	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	3	1	---	20	1920	1920	---	---	20	---	---	4				
5	SPACE	5	---	---				2867	---	20	---	---	6				
7	SPACE	7	---	---			1934	---	5800	20	---	3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8		
9	SPARE	9	---	---	20	---	1934	---	---	20	---	---	10				
11	SPARE	11	---	---	20	---	---	1934	---	20	---	---	12				
13	SPACE	13	---	---					---	20	---	---	14	SPARE	14		
15	SPACE	15	---	---			1150	---	1150	20	---	1	16	COMMUNICATIONS SUMP PUMP	16		
17	SPACE	17	---	---					---	20	---	---	18	SPARE	18		
19	SPACE	19	---	---					---	20	---	1	20	RECEPTACLES TRAP PRIMER	20		
21	SPACE	21	---	---			1180	---	---	20	---	---	22	W-CS-136-WH-06 (1.5 KVA)	22		
23	SPACE	23	---	---			750	---	---	20	---	---	24	W-CS-136-WH-06 (1.5 KVA)	24		
25	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	25	1	---	20	1920	1920	---	8600	20	---	3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26		
27	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	27	1	---	20	1920	1920	---	---	20	---	---	28				
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1	---	20	1400	1400	---	---	20	---	---	30				
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1	---	20	1400	1400	---	5800	20	---	3	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32		
33	SPACE	33	---	---			1934	---	---	20	---	---	34				
35	SPACE	35	---	---					---	20	---	---	36				
37	MAIN BREAKER (BACKFEED TO BUS)	37	3	---					---	20	---	1	38	SPARE	38		
		39	---	---					---	20	---	1	40	SPARE	40		
		41	---	---					---	20	---	1	42	SPARE	42		
TOTAL							16022	15342	11752								
TOTAL CONNECTED LOAD (VA)							43116										
(AMPS)							119.67										

PANEL 103-CDSAC-02		LOCATION LVEA RM 103										VOLTS 208Y/120V					
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	CDS RACK POWER CIRCUIT NO. 1	1	1	---	20	1920	1920	---	1920	20	---	1	2	CDS RACK POWER CIRCUIT NO. 2	2		
3	CDS RACK POWER CIRCUIT NO. 3	3	1	---	20	1920	1920	---	1920	20	---	1	4	CDS RACK POWER CIRCUIT NO. 4	4		
5	CDS RACK POWER CIRCUIT NO. 5	5	1	---	20	1920	1920	---	1920	20	---	1	6	CDS RACK POWER CIRCUIT NO. 6	6		
7	CDS RACK POWER CIRCUIT NO. 7	7	1	---	20	1920	1920	---	1920	20	---	1	8	CDS RACK POWER CIRCUIT NO. 8	8		
9	CDS RACK POWER CIRCUIT NO. 9	9	1	---	20	1920	1920	---	1920	20	---	1	10	CDS RACK POWER CIRCUIT NO. 10	10		
11	CDS RACK POWER CIRCUIT NO. 11	11	1	---	20	1920	1920	---	1920	20	---	1	12	CDS RACK POWER CIRCUIT NO. 12	12		
13	CDS RACK POWER CIRCUIT NO. 13	13	1	---	20	1920	1920	---	1920	20	---	1	14	CDS RACK POWER CIRCUIT NO. 14	14		
15	CDS RACK POWER CIRCUIT NO. 15	15	1	---	20	1920	1920	---	1920	20	---	1	16	CDS RACK POWER CIRCUIT NO. 16	16		
17	CDS RACK POWER CIRCUIT NO. 17	17	1	---	20	1920	1920	---	1920	20	---	1	18	CDS RACK POWER CIRCUIT NO. 18	18		
19	SPACE	19	1	---	20	---	---	---	---	20	---	1	20	SPACE	20		
21	SPACE	21	1	---	20	---	---	---	---	20	---	1	22	SPACE	22		
23	SPACE	23	1	---	20	---	---	---	---	20	---	3	24	SPACE	24		
25	SPACE	25	---	---						20	---	3	26	SPACE	26		
27	SPACE	27	---	---						20	---	---	28	SPACE	28		
29	SPACE	29	---	---						20	---	---	30	SPACE	30		
31	SPACE	31	---	---						20	---	---	32	SPACE	32		
33	SPACE	33	---	---						20	---	---	34	SPACE	34		
35	SPACE	35	---	---						20	---	---	36	SPACE	36		
37	SPACE	37	---	---						20	---	---	38	SPACE	38		
39	SPACE	39	---	---						20	---	---	40	SPACE	40		
41	SPACE	41	---	---						20	---	---	42	SPACE	42		
TOTAL							11520	11520	11520								
TOTAL CONNECTED LOAD (VA)							34560										
(AMPS)							95.9										

* ISOLATED 200% NEUTRAL BUS

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

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
AS-BUILT DRAWINGS



100 WEST WALNUT STREET
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO-D960437-01-0		
LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 1 - HANFORD, WASHINGTON		
TITLE	SCALE	PROJECT NUMBER
ELECTRICAL CORNER STATION 3RD INTERFEROMETER PANEL SCHEDULES	AS NOTED	PP150969 8094
SHEET NUMBER		REVISIONS
WA-E-508		