DATE: 06/27/96 TIME: 15:41:47
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PANEL VEAC-18 | FED FROM | CKT # | LOCATION LVEA RM 103 | MOUNTING RECESSSED | PHASE 3 | WIRE 4 | FEEDER | VOLTS 480Y/277V | MAIN | BUS 225

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	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	PORTABLE CLEAN ROOM	8
9	SPARE	9				—		9000		—				10		
11	SPARE	11				—			9000	—				12		
13	SPARE	13	3			—	9000			27000			3	14	PORTABLE CLEAN ROOM	14
15	SPARE	15				—		9000		—				16		
17	SPARE	17				—			9000	—				18		
19	C-CC-PD-VEAC-19	19	3			27400	9133 15000			45000			3	20	W-C-CC-T-VEAC-05	20
		21				—		9133 15000		—				22		
		23				—			9133 15000	—				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) 157098
(AMPS) 198.94

PANEL VEAC-19 | FED FROM | CKT # | LOCATION LVEA RM 103 | MOUNTING RECESSSED | PHASE 3 | WIRE 4 | FEEDER | VOLTS 480Y/277V | MAIN | BUS 100

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	HEATER BLANKET CART	1	3			20000	9000			—			3	2	SPARE	2
		3				—		9000		—				4		
		5				—			9000	—				6		
7	MAIN TURBO PUMP	7	1			400	400			—			3	8	SPARE	8
9	SPARE	9								—				10		
11	SPARE	11								—				12		
					TOTAL		9400	9000	9000							

TOTAL CONNECTED LOAD (VA) 27400
(AMPS) 32.95

PANEL VEAC-18A | FED FROM | CKT # | LOCATION LVEA RM 103 | MOUNTING RECESSED | PHASE 3 | WIRE 4 | FEEDER | VOLTS 208Y/120V | MAIN | BUS 225

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX TURBO	1	1			1920	1920 2867			8600			3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX TURBO	3	1			1920		1920 2867		—				4		
5	SPACE	5							2867	—				6		
7	SPACE	7					1934			5800			3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPARE	9						1934		—				10		
11	SPARE	11							1934	—				12		
13	SPACE	13												14	SPARE	14
15	SPACE	15						1150		1150			1	16	COMMUNICATIONS SUMP PUMP	16
17	SPACE	17												18	SPARE	18
19	SPACE	19					1180						1	20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21						750		1500			2	22	W-CS-136-WH-06 (1.5 KVA)	22
23	SPACE	23							750	—				24	W-CS-136-WH-06 (1.5 KVA)	24
25	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX TURBO	25	1			1920	1920 2867			8600			3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26
27	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX TURBO	27	1			1920		1920 2867		—				28		
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1			1400			1400 2867	—				30		
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1			1400	1400 1934			5800			3	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32
33	SPACE	33					1934			—				34		
35	SPACE	35						1934		—				36		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3			—								38	SPARE	38
		39				—								40	SPARE	40
		41				—								42	SPARE	42
					TOTAL		16022	15342	11752							

TOTAL CONNECTED LOAD (VA) 43116
(AMPS) 119.67

PANEL 103-CDSAC-02 | FED FROM | CKT # | LOCATION LVEA RM 103 | MOUNTING RECESSED | PHASE 3 | WIRE 4 | FEEDER | VOLTS 208Y/120V | MAIN | BUS 225

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	CDS RACK POWER CIRCUIT NO.1	1	1			1920	1920 1920			1920			1	2	CDS RACK POWER CIRCUIT NO.2	2
3	CDS RACK POWER CIRCUIT NO.3	3	1			1920		1920 1920		1920			1	4	CDS RACK POWER CIRCUIT NO.4	4
5	CDS RACK POWER CIRCUIT NO.5	5	1			1920			1920 1920	1920			1	6	CDS RACK POWER CIRCUIT NO.6	6
7	CDS RACK POWER CIRCUIT NO.7	7	1			1920	1920 1920			1920			1	8	CDS RACK POWER CIRCUIT NO.8	8
9	CDS RACK POWER CIRCUIT NO.9	9	1			1920		1920 1920		1920			1	10	CDS RACK POWER CIRCUIT NO.10	10
11	CDS RACK POWER CIRCUIT NO.11	11	1			1920			1920 1920	1920			1	12	CDS RACK POWER CIRCUIT NO.12	12
13	CDS RACK POWER CIRCUIT NO.13	13	1			1920	1920 1920			1920			1	14	CDS RACK POWER CIRCUIT NO.14	14
15	CDS RACK POWER CIRCUIT NO.15	15	1			1920		1920 1920		1920			1	16	CDS RACK POWER CIRCUIT NO.16	16
17	CDS RACK POWER CIRCUIT NO.17	17	1			1920			1920 1920	1920			1	18	CDS RACK POWER CIRCUIT NO.18	18
19	SPARE	19												20	SPARE	20
21	SPARE	21												22	SPARE	22
23	SPARE	23												24	SPACE	24
25	SPACE	25												26	SPACE	26
27	SPACE	27												28	SPACE	28
29	SPACE	29												30	SPACE	30
31	SPACE	31												32	SPACE	32
33	SPACE	33												34	SPACE	34
35	SPACE	35												36	SPACE	36
37	SPACE	37												38	SPACE	38
39	SPACE	39												40	SPACE	40
41	SPACE	41												42	SPACE	42
					TOTAL		11520	11520	11520							

TOTAL CONNECTED LOAD (VA) 34560
(AMPS) 95.92

* ISOLATED 200% NEUTRAL BUS

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	6-25-96
CHECKED		7-3-96
ENGINEER		7.3.96
PROJ		7/3/96

11-25-96

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

TITLE
ELECTRICAL
CORNER STATION
3 - INTERFEROMETER
PANEL SCHEDULES

SCALE | CONTRACT NUMBER | PROJECT NUMBER
AS NOTED | PP150969 | 8094

SHEET NUMBER WA-E-508 | REVISIONS 0

LIGO-D960437-00-O

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