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PANEL DP_02		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed		MAIN Main lugs								BUS 225A				
DP_01	20	PHASE 3	WIRE 4	FEEDER 4*350KCMIL												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER HC-01	1	3		20	6000	2000	3000	0	9000	20	3	2	HEATER HC-07	2	
		3					2000	3000	0				4			
		5					2000	3000	0				6			
7	HEATER HC-08	7	3		20	9000	3000	2000	0	6000	20	3	8	HEATER HC-05	8	
		9					3000	2000	0				10			
		11					3000	2000	0				12			
13	HEATER HC-06	13	3		20	6000	2000	0	0	6000	20	3	14	HEATER HC-02	14	
		15					0	2000	0				16			
		17					0	0	2000				18			
19	HEATER HC-04	19	3		20	6000	2000	0	0	6319	20	3	20	SUPPLY CRANE MOTOR	20	
		21					0	2000	0				22			
		23					0	0	2000				24			
25	LIGHTS ROOM 202	25	1		20	1800	1800	0	0			1	26	SPARE	26	
27	OUTSIDE LTG.	27	1		20	550	0	550	0	180	20	1	28	EMERG BATT PACKS	28	
29	LIGHTS ROOM 203,209	29	1		20	1540	0	0	1540	4230	20	1	30	LIGHTS ROOM 204,205	30	
31	LIGHTS ROOM 208	31	1		20	188	188	0	0	919	20	1	32	LIGHTS ROOM 206,207,209	32	
33	ROLLUP DOORS	33	3		20	4489	1496	0	42	42	20	1	34	EXIT LIGHTS	34	
		35					0	1496	0				36	SPARE	36	
		37					0	0	1496				38	SPARE	38	
39	SPARE	39	1		20	0	0	0	0	0	20	1	40	SPARE	40	
41	SPARE	41	1		20	0	0	0	0	0	20	1	42	SPARE	42	
TOTAL							21509	20374	25372							
TOTAL CONNECTED LOAD (VA)							67255									
(AMPS)							80.9									

NOTE 5 ON DWG LA-E-008.

PANEL RP_01		LOCATION ROOM 203										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A								BUS 100A				
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	RCPT ROOM 202	1	1		20	1000	1000	0	0	900	20	1	2	RCPT ROOM 202	2	
3	SPARE	3	2		30	0	0	0	0	900	20	1	4	RCPT ROOM 203,204,205	4	
		5					0	0	1000	1000	20	1	6	RCPT ROOM 206,207,208	6	
7	RCPT ROOM 206,207,208	7	1		20	900	900	0	0	240	20	1	8	EXHAUST FAN	8	
9	RCPT ROOM 203,204,205	9	1		20	720	0	720	0	20	20	1	10	SPARE	10	
11	RCPT ROOM 203	11	1		20	720	0	0	720	540	20	1	12	RCPT ROOM 203	12	
13	INCANDESCENT LTS	13	1		20	300	300	0	0	20	20	1	14	SPARE	14	
15	INCANDESCENT LTS	15	1		20	400	0	400	0	20	20	1	16	SPARE	16	
17	PROPANE W.C. IGNITOR	17	1		20	180	0	0	180	20	20	1	18	SPARE	18	
19	SPARE	19	1		20	0	0	0	0	20	20	1	20	SPARE	20	
21	SPARE	21	1		20	0	0	0	0	20	20	1	22	SPARE	22	
23	SPARE	23	1		20	0	0	0	0	20	20	1	24	SPARE	24	
TOTAL							3420	2020	2520							
TOTAL CONNECTED LOAD (VA)							7960									
(AMPS)							22.1									

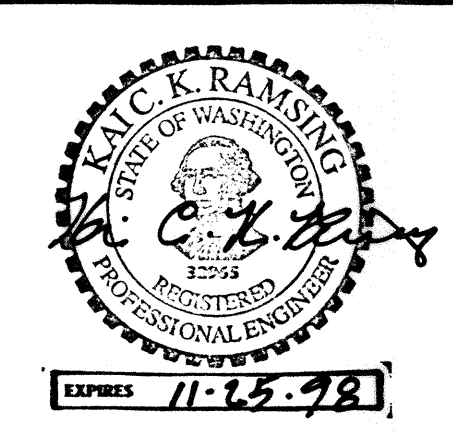
PANEL VEAC_02B		LOCATION ROOM 202										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed		MAIN 100A								BUS 125A				
DP_01	31	PHASE 3	WIRE 4	FEEDER 4*1 & 1*6												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667	0	20000	30	3	2	CRYOPUMP REGENERATOR	2	
		3					9000	6667	0				4			
		5					9000	6667	0				6			
7	MAIN TURBO PUMP 1	7	1		20	400	400	0	0	30	30	3	8	SPARE	8	
9	SPARE	9	1		20	0	0	0	0	0	20	1	10		10	
11	SPARE	11	1		20	0	0	0	0	0	20	1	12		12	
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)							57									

PANEL VEAC_01B		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed		MAIN 200A								BUS 225A				
DP_01	26	PHASE 3	WIRE 4	FEEDER 4*300KCMIL												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667	0	20000	30	3	2	CRYOPUMP REGENERATOR	2	
		3					9000	6667	0				4			
		5					9000	6667	0				6			
7	MAIN TURBO PUMP	7	1		20	400	400	0	0	30	30	3	8	SPARE	8	
9	SPARE	9	1		20	0	0	0	0	0	20	1	10	SPARE	10	
11	SPARE	11	1		20	0	0	0	0	0	20	1	12	SPARE	12	
13	SPARE	13	1		20	0	0	0	0	0	20	1	14	SPARE	14	
15	HU-01 RM 203	15	3		20	14000	4667	4667	0	14000	20	3	16	HU-02 RM 203	16	
		17					0	4667	0				18			
		19					0	0	4667				20			
21	SPARE	21	1		20	0	0	0	0	0	20	1	22	SPARE	22	
23	SPARE	23	1		20	0	0	0	0	0	20	1	24	SPARE	24	
25	SPARE	25	1		20	0	0	0	0	0	20	1	26	SPARE	26	
27	SPARE	27	1		20	0	0	0	0	0	20	1	28	SPARE	28	
29	SPARE	29	1		20	0	0	0	0	0	20	1	30	SPARE	30	
TOTAL							25401	25001	25001							
TOTAL CONNECTED LOAD (VA)							75403									
(AMPS)							90.7									

NOTE:  
 1. PANELS DP\_01, DP\_02, VEAC\_01B AND VEAC\_02B ARE TYPICAL FOR END STATIONS A AND B.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	3-21-97	J. G.				GENERAL REVISIONS

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



**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	SHEET NUMBER	PROJECT NUMBER
ELECTRICAL MID & END A STATIONS PANEL SCHEDULES	AS NOTED PP150969	8094
<b>WA-E-205</b>		

LIGO-D960415-01-0