

PANEL DP_02		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN Main Lugs				
DP_01	20	PHASE 3			WIRE 4			FEEDER 4*350KCMIL				BUS 225A				
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	2000	2000	9000	20	3	2	HEATER HC-07	2		
3		3				2000	2000	2000				4				
5		5				2000	2000	2000				6				
7	HEATER HC-08	7	3	20	9000	3000	3000	3000	6000	20	3	8	HEATER HC-05	8		
9		9				3000	3000	3000				10				
11		11				2000	2000	2000				12				
13	HEATER HC-06	13	3	20	6000	2000	2000	2000	6000	20	3	14	HEATER HC-02	14		
15		15				2000	2000	2000				16				
17		17				2000	2000	2000				18				
19	HEATER HC-04	19	3	20	6000	2000	2100	2100	6310	20	3	20	SUPPLY CRANE MOTOR	20		
21		21				2000	2100	2100				22				
23		23				2000	2100	2100				24				
25	LIGHTS ROOM 202	25	1	20	1800	1800	0	0	1800	20	1	26	SPARE	26		
27	OUTSIDE LTG. ROOM 209	27	1	20	614	0	0	0	180	20	1	28	EMERG BATT PACKS	28		
29	LIGHTS ROOM 203,209	29	1	20	1540	0	0	0	4230	20	1	30	LIGHTS ROOM 204,205	30		
31	LIGHTS ROOM 208	31	1	20	188	188	0	0	855	20	1	32	LIGHTS ROOM 206,207	32		
33	ROLLUP DOORS	33	3	20	4489	1490	0	0	42	20	1	34	EXIT LIGHTS	34		
35		35				0	1490	0	20	20	1	36	SPARE	36		
37		37				0	0	1490	20	20	1	38	SPARE	38		
39	SPARE	39	1	20		0	0	0	20	20	1	40	SPARE	40		
41	SPARE	41	1	20		0	0	0	20	20	1	42	SPARE	42		
TOTAL						21445	20438	25372								
TOTAL CONNECTED LOAD (VA)						67255										
(AMPS)						80.9										

NOTE 5 ON DWG LA-E-008.

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

NOTE:
 1. PANELS DP_01, DP_02, VECA_01B AND VECA_02B ARE TYPICAL FOR END STATIONS A AND B.

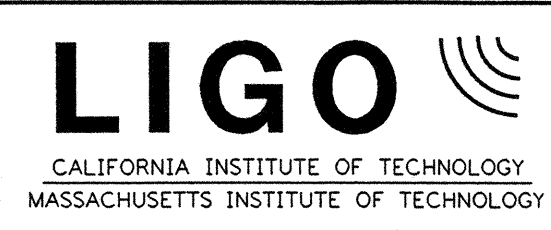
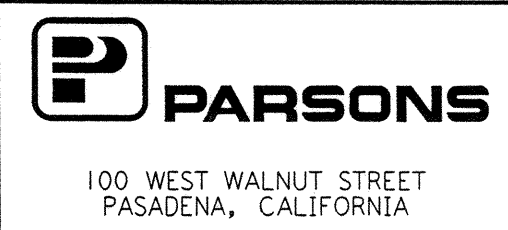
PANEL RP_01		LOCATION ROOM 203										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Surface Mount										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4				BUS 100A				
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	RCPT ROOM 202	1	1	20	1080	1080	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		5				0	0	0	1080	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	20	20	1	20	SPARE	20		
21	SPARE	21	1	20		0	0	0	20	20	1	22	SPARE	22		
23	SPARE	23	1	20		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				
DP_01	31	PHASE 3			WIRE 4			FEEDER 4*1 & 1*6				BUS 125A				
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	9000	9000	20000	30	3	2	CRYOPUMP REGENERATOR	2		
3		3				9000	9000	9000				4				
5		5				9000	9000	9000				6				
7	MAIN TURBO PUMP 1	7	1	20	400	400	0	0	400	30	3	8	SPARE	8		
9	SPARE	9				0	0	0				10				
11	SPARE	11				0	0	0				12				
TOTAL						16067	15667	15667								
TOTAL CONNECTED LOAD (VA)						47401										
(AMPS)						57										

LIGO-D961029-A-O

REVISED	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	6-14-96	3/22	JCL	VAL	STDM		FINAL DESIGN REVIEW

DRAWN	M. M.
CHECKED	
ENGINEER	
PROJ	



LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 2 - LIVINGSTON, LOUISIANA			
TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL END A AND B STATIONS PANEL SCHEDULES	NONE	PP150969	8094
SHEET NUMBER		REVISIONS	
LA-E-205		A	

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