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PANEL 107RP.1		LOCATION ROOM 107										VOLTS 208Y/120V					
FED FROM	CKT #	MOUNTING Recessed										MAIN					
		PHASE 3			WIRE 4			FEEDER				BUS 100					
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	SPARE	1	1		20		1260	0	0	1260	20	1	2	RCPT RM 107	2		
3	RCPT RM 106	3	1		20	720	0	720	0	720	20	1	4	SPARE	4		
5	SPARE	5	1		20		0	0	0	0	20	1	6	SPARE	6		
7	MECH ROOM LIGHTS	7	1		20	800	800	0	0	800	20	1	8	MECH ROOM LIGHTS	8		
9	MECH ROOM LIGHTS	9	1		20	600	0	600	0	600	20	1	10	SPARE	10		
11	SPARE	11	1		15		0	0	1150	1150	20	1	12	LCS107GP01	12		
13	SPARE	13	1		15		0	0	0	0	15	1	14	SPARE	14		
15	SPARE	15	1		15		0	0	0	0	15	1	16	SPARE	16		
17	SPARE	17	1		20		0	0	0	0	15	1	18	SPARE	18		
19	SPARE	19	1		20		0	0	0	0	20	1	20	SPARE	20		
21	SPARE	21	1		20		0	0	0	0	20	1	22	SPARE	22		
23	SPARE	23	1		20		0	0	0	0	20	1	24	SPARE	24		
25	SPARE	25	1		20		0	0	0	0	20	1	26	SPARE	26		
27	SPARE	27	1		20		0	0	0	0	20	1	28	SPARE	28		
29	SPARE	29	1		20		0	0	0	0	20	1	30	SPARE	30		
TOTAL							2860	1320	1150								
TOTAL CONNECTED LOAD (VA)							5330										
TOTAL CONNECTED LOAD (AMPS)																	

PANEL 107LP.1		LOCATION ROOM 107										VOLTS 480Y/277V					
FED FROM	CKT #	MOUNTING Recessed										MAIN					
		PHASE 3			WIRE 4			FEEDER				BUS 225					
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	LTG RM 102	1	1		15	2820	2820	0	0	348	15	1	2	OUTSIDE,VEST 108,109	2		
3	OUTSIDE,VEST 112,113	3	1		15	458	0	458	0	2820	15	1	4	LTG RM 103	4		
5	LTG RM 105,104	5	1		15	2350	0	0	2350	66	15	1	6	EXIT & E LTG RM 103	6		
7	EXIT & E LTG RM 101,105	7	1		15	124	124	0	0	1410	15	1	8	LTG RM 106	8		
9	EXIT & E LTG RM 102	9	1		15	94	0	94	0	124	15	1	10	EXIT & E LTG RM 104,106,107	10		
11	OUTSIDE,VEST 110,111	11	1		15	458	0	0	458	1880	15	1	12	LTG RM 107	12		
13	SPARE	13	1		15		0	0	0	0	15	1	14	SPARE	14		
15	LTG RM 107	15	1		15	2350	0	2350	0	0	15	1	16	SPARE	16		
17	SPARE	17	1		15		0	0	0	288	15	1	18	PANEL LTG RM 107	18		
19	SPARE	19	3		15	0	25000	0	0	75000	100	3	20	LCS107T02	20		
21	SPARE	21	1		20		0	0	0	0	20	1	22	SPARE	22		
23	SPARE	23	1		20		0	0	0	25000	20	1	24	SPARE	24		
25	SPARE	25	1		20		0	0	0	0	20	1	26	SPARE	26		
27	SPARE	27	1		20		0	0	0	0	20	1	28	SPARE	28		
29	SPARE	29	1		20		0	0	0	0	20	1	30	SPARE	30		
TOTAL							29702	30846	30042								
TOTAL CONNECTED LOAD (VA)							90590										
TOTAL CONNECTED LOAD (AMPS)																	

PANEL 107HP.1		LOCATION ROOM 107										VOLTS 480					
FED FROM	CKT #	MOUNTING Recessed										MAIN					
		PHASE 3			WIRE 3			FEEDER				BUS 800					
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	SPARE	1	3		125		16667	0	0	50000	80		3	2	LCS107HC10	2	
3	SPARE	3	3		125		16667	0	0	16667				4			
5	SPARE	5	3		125		16667	0	0	16667				6			
7	SPARE	7	3		150		5000	0	0	15000	25		3	8	LCS107HC12	8	
9	SPARE	9	3		150		5000	0	0	5000				10			
11	SPARE	11	3		150		5000	0	0	5000				12			
13	SPARE	13	3		150		8333	0	0	25000	40		3	14	LCS107HC08	14	
15	SPARE	15	3		150		8333	0	0	8333				16			
17	SPARE	17	3		150		8333	0	0	8333				18			
19	SPARE	19	3		150		25000	0	0	75000	125		3	20	LCS107HC01	20	
21	SPARE	21	3		150		25000	0	0	25000				22			
23	SPARE	23	3		150		25000	0	0	25000				24			
25	SPARE	25	3		50		50000	0	0	150000	225		3	26	LCS107HC02	26	
27	SPARE	27	3		50		50000	0	0	50000				28			
29	SPARE	29	3		50		50000	0	0	50000				30			
31	LCS107HC03	31	3		225	150000	50000	16667	0	50000	80		3	32	LCS107HC06	32	
33	SPARE	33	3		225	150000	50000	16667	0	50000				34			
35	SPARE	35	3		225	150000	50000	16667	0	50000				36			
37	SPARE	37	3		50		0	0	0	100			3	38	SPARE	38	
39	SPARE	39	3		50		0	0	0	0				40			
41	SPARE	41	3		50		0	0	0	0				42			
TOTAL							171667	171667	171667								
TOTAL CONNECTED LOAD (VA)							515000										
TOTAL CONNECTED LOAD (AMPS)																	

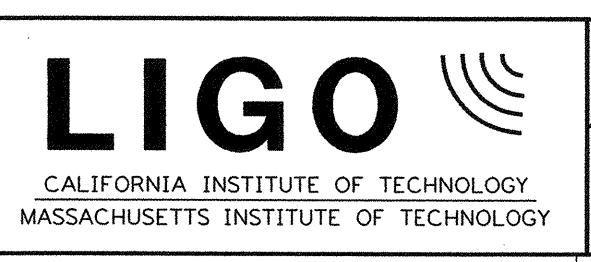
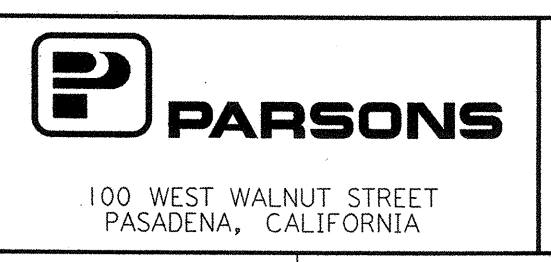
PANEL 107HP.2		LOCATION ROOM 107										VOLTS 480					
FED FROM	CKT #	MOUNTING Recessed										MAIN					
		PHASE 3			WIRE 3			FEEDER				BUS 800					
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	SPARE	1	3		40					25			3	2	SPARE	2	
3	SPARE	3	3		40									4			
5	SPARE	5	3		40									6			
7	SPARE	7	3		40					80			3	8	SPARE	8	
9	SPARE	9	3		40									10			
11	SPARE	11	3		40									12			
13	SPARE	13	3		40		16667	0	0	50000	80		3	14	LCS107HC09	14	
15	SPARE	15	3		40		16667	0	0	16667				16			
17	SPARE	17	3		40		16667	0	0	16667				18			
19	SPARE	19	3		40		10000	0	0	30000	50		3	20	LCS160HC13	20	
21	SPARE	21	3		40		10000	0	0	10000				22			
23	SPARE	23	3		40		10000	0	0	10000				24			
25	SPARE	25	3		25		33333	0	0	100000	150		3	26	LCS107HC05	26	
27	SPARE	27	3		25		33333	0	0	33333				28			
29	SPARE	29	3		25		33333	0	0	33333				30			
31	LCS107HC11	31	3		20	12000	4000	33333	0	100000	150		3	32	LCS107HC04	32	
33	SPARE	33	3		20	12000	4000	33333	0	4000				34			
35	SPARE	35	3		20	12000	4000	33333	0	4000				36			
37	LCS107HC07	37	3		40	25000	8333	0	0	100			3	38	SPARE	38	
39	SPARE	39	3		40	25000	8333	0	0	8333				40			
41	SPARE	41	3		40	25000	8333	0	0	8333				42			
TOTAL							61666	61666	61666								
TOTAL CONNECTED LOAD (VA)							184998										
TOTAL CONNECTED LOAD (AMPS)																	

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	(Signature)	(Signature)	(Signature)	ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION  
 DRAWN M. M. 11-15-96  
 CHECKED JCL 7-24-96  
 ENGINEER KCR 10-25-96  
 PROJ T. D. M. 11-15-96

**AS-BUILT DRAWINGS**

100 WEST WALNUT STREET  
PASADENA, CALIFORNIA



**LIGO-D961019-01-0**

LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 2 - LIVINGSTON, LOUISIANA

ELECTRICAL  
CORNER STATION MECH RM  
LIGHTING AND POWER  
PANEL SCHEDULES

SHEET NUMBER: **LA-E-117**

SCALE: NONE CONTRACT NUMBER: PPI50969 PROJECT NUMBER: 8094