

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	20	1	2	RCPT RM 107	2	
3	RCPT RM 106	3	1		20	720				720	20	1	4	SPARE	4	
5	SPARE	5	1		20						20	1	6	SPARE	6	
7	MECH ROOM LIGHTS	7	1		20	800				800	20	1	8	MECH ROOM LIGHTS	8	
9	MECH ROOM LIGHTS	9	1		20	600				600	20	1	10	SPARE	10	
11	SPARE	11	1		15						1150	20	1	12	LCS107GP01	12
13	SPARE	13	1		15							15	1	14	SPARE	14
15	SPARE	15	1		15							15	1	16	SPARE	16
17	SPARE	17	1		20							15	1	18	SPARE	18
19	SPARE	19	1		20							20	1	20	SPARE	20
21	SPARE	21	1		20							20	1	22	SPARE	22
23	SPARE	23	1		20							20	1	24	SPARE	24
25	SPARE	25	1		20							20	1	26	SPARE	26
27	SPARE	27	1		20							20	1	28	SPARE	28
29	SPARE	29	1		20							20	1	30	SPARE	30
						TOTAL	2860	1320	1150							
						TOTAL CONNECTED LOAD (VA)	5330									
						(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				348	15	1	2	OUTSIDE.VEST 108,109	2	
3	OUTSIDE.VEST 112,113	3	1		15	458				2820	15	1	4	LTG RM 103	4	
5	LTG RM 105,104	5	1		15	2350				66	15	1	6	EXIT & E LTG RM 103	6	
7	EXIT & E LTG RM 101,105	7	1		15	124				1410	15	1	8	LTG RM 106	8	
9	EXIT & E LTG RM 102	9	1		15	94				124	15	1	10	EXIT & E LTG RM 104,106,107	10	
11	OUTSIDE.VEST 110,111	11	1		15	458				1880	15	1	12	LTG RM 107	12	
13	SPARE	13	1		15						15	1	14	SPARE	14	
15	LTG RM 107	15	1		15	2350					15	1	16	SPARE	16	
17	SPARE	17	1		15					288	15	1	18	PANEL LTG RM 107	18	
19	SPARE	19	3		15	0	25000			75000	100	3	20	LCS107T02	20	
21		21											22		22	
23		23											24		24	
25	SPARE	25	1		20						20	1	26	SPARE	26	
27	SPARE	27	1		20						20	1	28	SPARE	28	
29	SPARE	29	1		20						20	1	30	SPARE	30	
						TOTAL	29702	30846	30842							
						TOTAL CONNECTED LOAD (VA)	90590									
						(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	80	3	2	LCS107HC10	2	
3		3								16667			4		4	
5		5								16667			6		6	
7	SPARE	7	3		150					5000	15000	25	3	8	LCS107HC12	8
9		9								5000			10		10	
11		11								5000			12		12	
13	SPARE	13	3		150					8333	25000	40	3	14	LCS107HC08	14
15		15								8333			16		16	
17		17								8333			18		18	
19	SPARE	19	3		150					25000	75000	125	3	20	LCS107HC01	20
21		21								25000			22		22	
23		23								25000			24		24	
25	SPARE	25	3		50					50000	150000	225	3	26	LCS107HC02	26
27		27								50000			28		28	
29		29								50000			30		30	
31	LCS107HC03	31	3		225	150000				50000	16667	80	3	32	LCS107HC06	32
33		33								50000	16667		34		34	
35		35								50000	16667		36		36	
37	SPARE	37	3		50							100	3	38	SPARE	38
39		39											40		40	
41		41											42		42	
						TOTAL	171667	171667	171667							
						TOTAL CONNECTED LOAD (VA)	515000									
						(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	LCS107HU01	1	3		40	26000				8667	17000	25	3	2	LCS107HU06	2
3		3								8667			4		4	
5		5								8667			6		6	
7	LCS107HU02	7	3		40	26000				8667	52000	80	3	8	LCS107HU07	8
9		9								8667			10		10	
11		11								8667			12		12	
13	LCS107HU03	13	3		40	26000				8667	50000	80	3	14	LCS107HC09	14
15		15								8667			16		16	
17		17								8667			18		18	
19	LCS107HU04	19	3		40	26000				8667	30000	50	3	20	LCS160HC13	20
21		21								8667			22		22	
23		23								8667			24		24	
25	LCS107HU05	25	3		25	17000				5667	100000	150	3	26	LCS107HC05	26
27		27								5667			28		28	
29		29								5667			30		30	
31	LCS107HC11	31	3		20	12000				4800	100000	150	3	32	LCS107HC04	32
33		33								4800			34		34	
35		35								4800			36		36	
37	LCS107HC07	37	3		40	25000				8333		100	3	38	SPARE	38
39		39								8333			40		40	
41		41								8333			42		42	
						TOTAL	169000	169000	169000							
						TOTAL CONNECTED LOAD (VA)	507000									
						(AMPS)										

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	6-14-96	JCL	JCL	JCL	JCL	FINAL DESIGN REVIEW

DRAWN	M. M.
CHECKED	
ENGINEER	
PROJ	



100 WEST WALNUT STREET
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

ELECTRICAL
CORNER STATION MECH. RM.
LIGHTING AND POWER
PANEL SCHEDULES

SCALE NONE CONTRACT NUMBER PP150969 PROJECT NUMBER 8094 SHEET NUMBER LA-E-117

LIGO-D961019-A-0