

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		0	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		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			15	1	14	SPARE	14	
15	SPARE	15	1		15		0	0			15	1	16	SPARE	16	
17	SPARE	17	1		20		0	0			15	1	18	SPARE	18	
19	SPARE	19	1		20		0	0			20	1	20	SPARE	20	
21	SPARE	21	1		20		0	0			20	1	22	SPARE	22	
23	SPARE	23	1		20		0	0			20	1	24	SPARE	24	
25	SPARE	25	1		20		0	0			20	1	26	SPARE	26	
27	SPARE	27	1		20		0	0			20	1	28	SPARE	28	
29	SPARE	29	1		20		0	0			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	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			15	1	14	SPARE	14	
15	LTG RM 107	15	1		15	2350	0	2350	0		15	1	16	SPARE	16	
17	SPARE	17	1		15		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		21					0	0					22		22	
23		23					0	25000	0				24		24	
25	SPARE	25	1		20		0	0			20	1	26	SPARE	26	
27	SPARE	27	1		20		0	0			20	1	28	SPARE	28	
29	SPARE	29	1		20		0	0			20	1	30	SPARE	30	
TOTAL							29702	30846	30042							
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	LCS107HC12	1	3		25	15000	5000	8333	0	25000	40		3	2	LCS107HC08	2
3		3					0	5000	8333					4		4
5		5					0	0	5000	8333			6		6	
7	SPARE	7	3		50		0	0	0	0	50		3	8	SPARE	8
9		9					0	0	0	0			10		10	
11		11					0	0	0	0			12		12	
13	LCS107HC06	13	3		80	50000	16667	16667	0	50000	80		3	14	LCS107HC09	14
15		15					16667	16667	0				16		16	
17		17					0	0	16667	16667			18		18	
19	SPARE	19	3		100		25000	0	0	75000	125		3	20	LCS107HC01	20
21		21					0	25000	0				22		22	
23		23					0	0	25000	0			24		24	
25	SPARE	25	3		125		0	0	0	0	150		3	26	SPARE	26
27		27					0	0	0	0			28		28	
29		29					0	0	0	0			30		30	
31	SPARE	31	3		150		0	0	0	0	150		3	32	SPARE	32
33		33					0	0	0	0			34		34	
35		35					0	0	0	0			36		36	
37	LCS107HC02	37	3		225	150000	50000	50000	0	150000	225		3	38	LCS107HC03	38
39		39					50000	50000	0				40		40	
41		41					0	0	50000	50000			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	LCS107HC11	1	3		20	12000	4000	0	0	25			3	2	SPARE	2
3		3					0	4000	0					4		4
5		5					0	0	4000				6		6	
7	SPARE	7	3		25		0	0	0	25			3	8	SPARE	8
9		9					0	0	0				10		10	
11		11					0	0	0				12		12	
13	SPARE	13	3		40		0	0	0	40			3	14	SPARE	14
15		15					0	0	0				16		16	
17		17					0	0	0				18		18	
19	LCS107HC07	19	3		40	25000	8333	0	0	40			3	20	SPARE	20
21		21					8333	0	0				22		22	
23		23					0	8333	0				24		24	
25	SPARE	25	3		40		10000	0	0	30000	50		3	26	LCS107HC13	26
27		27					10000	0	0				28		28	
29		29					0	10000	0				30		30	
31	LCS107HC11	31	3		80	12000	4000	16667	0	50000	80		3	32	LCS107HC10	32
33		33					4000	16667	0				34		34	
35		35					0	0	4000	16667			36		36	
37	LCS107HC04	37	3		150	100000	33333	33333	0	100000	150		3	38	LCS107HC05	38
39		39					33333	33333	0				40		40	
41		41					0	33333	33333				42		42	
TOTAL							61666	61666	61666							
TOTAL CONNECTED LOAD (VA)							184998									
(AMPS)																

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	AK	AG	MDW	ISSUED FOR AS-BUILT
2	5-21-99	AO				ISSUED AS REVISED 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



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

**LIGO-D961019-02-O**

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

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL CORNER STATION MECH RM LIGHTING AND POWER PANEL SCHEDULES	NONE	PPI50969	8094
SHEET NUMBER		REVISIONS	
<b>LA-E-117</b>		2	