

PANEL 107RP.1		LOCATION ROOM 107										VOLTS 208Y/120V					
FED FROM	CKT #	MOUNTING Recessed		PHASE 3		WIRE 4		FEEDER		MAIN 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		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		PHASE 3		WIRE 4		FEEDER		MAIN 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			348	15	1	2	OUTSIDE.VEST 108,109	2	
3	OUTSIDE.VEST 112,113	3	1		15	450		450		2820	15	1	4		LTG RM 103	4	
5	LTG RM 105,104	5	1		15	2350		2350		66	15	1	6		EXIT & E LTG RM 103	6	
7	EXIT & E LTG RM 101,105	7	1		15	124		124		1410	15	1	8		LTG RM 106	8	
9	EXIT & E LTG RM 102	9	1		15	94		94		124	15	1	10		EXIT & E LTG RM 104,106,107	10	
11	OUTSIDE.VEST 110,111	11	1		15	450		450		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		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						25000					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	30042								
TOTAL CONNECTED LOAD (VA)							90590										
(AMPS)																	

PANEL 107HP.1		LOCATION ROOM 107										VOLTS 480						
FED FROM	CKT #	MOUNTING Recessed		PHASE 3		WIRE 3		FEEDER		MAIN 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			1666.7			50000	80	3	2		LCS107HC10	2	
3		3						1666.7						4				4
5		5						1666.7						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			833.3			25000	40	3	14		LCS107HC08	14	
15		15						833.3						16				16
17		17												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			50000	80	3	32		LCS107HC06	32	
33		33						50000						34				34
35		35						1666.7			50000			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		PHASE 3		WIRE 3		FEEDER		MAIN 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		866.7			17000	25	3	2		LCS107HU06	2	
3		3						866.7						4				4
5		5						866.7						6				6
7	LCS107HU02	7	3		40	26000		866.7			52000	80	3	8		LCS107HU07	8	
9		9						866.7						10				10
11		11						866.7						12				12
13	LCS107HU03	13	3		40	26000		866.7			50000	80	3	14		LCS107HC09	14	
15		15						866.7						16				16
17		17						866.7						18				18
19	LCS107HU04	19	3		40	26000		866.7			30000	50	3	20		LCS107HC13	20	
21		21						866.7						22				22
23		23						866.7						24				24
25	LCS107HU05	25	3		25	17000		566.7			100000	150	3	26		LCS107HC05	26	
27		27						566.7						28				28
29		29						333.3						30				30
31	LCS107HC11	31	3		20	12000		4000			100000	150	3	32		LCS107HC04	32	
33		33						333.3						34				34
35		35						4000						36				36
37	LCS107HC07	37	3		40	25000		833.3			100	3	38		SPARE		38	
39		39						833.3						40				40
41		41												42				42
TOTAL							169000	169000	169000									
TOTAL CONNECTED LOAD (VA)							507000											
(AMPS)																		

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	MM	JCL	TDN		ISSUED FOR BID
A	6-14-96	MM	JCL	KR	TDN	FINAL DESIGN REVIEW

DRAWN	M. M.
CHECKED	
ENGINEER	
PROJ	

**PARSONS**  
 100 WEST WALNUT STREET  
 PASADENA, CALIFORNIA

**LIGO**  
 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**

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