

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			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	LCS107GF01	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	2820			348	15		1	2	OUTSIDE.VEST 108,109	2	
3	OUTSIDE.VEST 112,113	3	1	15	458		458		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	458		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		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		25000			75000	100		3	20	LCS107T02	20	
21		21											22			
23		23											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										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		25000	40		3	2	LCS107HC08	2	
3		3					5000	8333					4			
5		5						5000	8333				6			
7	SPARE	7	3	50						0	50	3	8	SPARE	8	
9		9											10			
11		11											12			
13	LCS107HC06	13	3	80	50000	16667	16667		50000	80		3	14	LCS107HC09	14	
15		15					16667	16667					16			
17		17						16667	16667				18			
19	SPARE	19	3	100	25000				75000	125		3	20	LCS107HC01	20	
21		21						25000					22			
23		23							25000				24			
25	SPARE	25	3	125						0	150	3	26	SPARE	26	
27		27											28			
29		29											30			
31	SPARE	31	3	150						0	150	3	32	SPARE	32	
33		33											34			
35		35											36			
37	LCS107HC02	37	3	225	150000	50000	50000		150000	225		3	38	LCS107HC03	38	
39		39					50000	50000					40			
41		41						50000	50000				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			25			3	2	SPARE	2	
3		3					4000						4			
5		5						4000					6			
7	SPARE	7	3	25					25			3	8	SPARE	8	
9		9											10			
11		11											12			
13	SPARE	13	3	40					0	40		3	14	SPARE	14	
15		15											16			
17		17											18			
19	LCS107HC07	19	3	40	25000	8333			0	40		3	20	SPARE	20	
21		21					8333						22			
23		23						8333					24			
25	SPARE	25	3	40	10000				30000	50		3	26	LCS107HC13	26	
27		27					10000						28			
29		29						10000					30			
31	LCS107HC11	31	3	80	12000	4000	16667		50000	80		3	32	LCS107HC10	32	
33		33					4000	16667					34			
35		35						4000	16667				36			
37	LCS107HC04	37	3	150	100000	33333	33333		100000	150		3	38	LCS107HC05	38	
39		39					33333	33333					40			
41		41						33333	33333				42			
TOTAL							61666	61666	61666							
TOTAL CONNECTED LOAD (VA)							184998									
(AMPS)																

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

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO-D961019-02-0

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