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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	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	Spare	1	1	0	0	0	0	0	0	0	0	1	2	RECEP RM 107	2	
3	RECP RM 106	3	1	0	0	720	0	720	0	0	0	1	4	Spare	4	
5	Spare	5	1	0	0	0	0	0	0	0	0	1	6	Spare	6	
7	MECH ROOM LIGHT	7	1	0	0	800	800	0	0	800	0	1	8	ROOM MECH LIGHT	8	
9	ROOM MECH LIGHT	9	1	0	0	600	0	600	0	0	0	1	10	Spare	10	
11	Spare	11	1	0	0	0	0	0	1150	1150	0	1	12	WCS107GP01	12	
13	Spare	13	1	0	0	0	0	0	0	0	0	1	14	Spare	14	
15	Spare	15	1	0	0	0	0	0	0	0	0	1	16	Spare	16	
17	Spare	17	1	0	0	0	0	0	0	0	0	1	18	Spare	18	
19	Spare	19	1	0	0	0	0	0	0	0	0	1	20	Spare	20	
21	Spare	21	1	0	0	0	0	0	0	0	0	1	22	Spare	22	
23	Spare	23	1	0	0	0	0	0	0	0	0	1	24	Spare	24	
25	Spare	25	1	0	0	0	0	0	0	0	0	1	26	Spare	26	
27	Spare	27	1	0	0	0	0	0	0	0	0	1	28	Spare	28	
29	Spare	29	1	0	0	0	0	0	0	0	0	1	30	Spare	30	
TOTAL							1600	1320	1150							
TOTAL CONNECTED LOAD (VA)							4070									
(AMPS)																


PANEL 107LP_1		LOCATION ROOM 107										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN				
		PHASE 3	WIRE 3	FEEDER				BUS 225								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	LIGHT RM 102	1	1	0	0	2820	2820	0	0	364	0	0	1	2	OUTSIDE VEST LTG	2
3	OUTSIDE VEST LTG	3	1	0	0	474	0	474	0	2820	0	0	1	4	LIGHT RM 103	4
5	LTG RM 105,104	5	1	0	0	2350	0	0	2350	229	0	0	1	6	EXIT EMRG LTG 103	6
7	EXIT,EMERG	7	1	0	0	53	53	0	0	1410	0	0	1	8	LIGHT RM 106	8
9	EXIT,EMRG LTG	9	1	0	0	73	0	73	0	53	0	0	1	10	EXIT,EMERG 107	10
11	OUTSIDE,VEST 103	11	1	0	0	474	0	0	474	1200	0	0	1	12	LIGHT RM 107	12
13	Spare	13	1	0	0	0	450	0	0	450	0	0	1	14	LIGHT	14
15	LIGHT RM 107	15	1	0	0	1500	0	1500	0	0	0	1	16	Spare	16	
17	Spare	17	1	0	0	0	0	0	0	0	0	1	18	Spare	18	
19	SUMP PUMP	19	3	0	0	1500	500	500	500	0	0	0	1	20	Spare	20
21		21				0	0	0	0	0	0	0	1	22	Spare	22
23		23				0	0	0	0	0	0	1	24	Spare	24	
25	Spare	25	1	0	0	0	0	0	0	0	0	1	26	Spare	26	
27	Spare	27	1	0	0	0	0	0	0	0	0	1	28	Spare	28	
29	Spare	29	1	0	0	0	0	0	0	0	0	1	30	Spare	30	
TOTAL							5597	5420	4753							
TOTAL CONNECTED LOAD (VA)							15771									
(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	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	SPARE	1	3	0	0	0	16667	0	0	50000	0	0	3	2	WCS107HC10	2
3		3				0	16667	0	0	0	0	0	3	4		4
5		5				0	0	0	16667	0	0	3	6		6	
7	SPARE	7	3	0	0	0	5000	0	0	15000	0	0	3	8	WCS107HC12	8
9		9				0	5000	0	0	0	0	0	3	10		10
11		11				0	0	0	5000	0	0	3	12		12	
13	SPARE	13	3	0	0	0	16667	0	0	50000	0	0	3	14	WCS107HC08	14
15		15				0	16667	0	0	0	0	0	3	16		16
17		17				0	0	0	16667	0	0	3	18		18	
19	SPARE	19	3	0	0	0	25000	0	0	75000	0	0	3	20	WCS107HC01	20
21		21				0	25000	0	0	0	0	0	3	22		22
23		23				0	0	0	25000	0	0	3	24		24	
25	SPARE	25	3	0	0	0	50000	0	0	150000	0	0	3	26	WCS107HC02	26
27		27				0	50000	0	0	0	0	0	3	28		28
29		29				0	0	0	50000	0	0	3	30		30	
31	WCS107HC03	31	3	0	0	150000	50000	50000	50000	75000	0	0	3	32	WCS107HC06	32
33		33				0	25000	0	0	0	0	0	3	34		34
35		35				0	0	0	50000	0	0	3	36		36	
37	SPARE	37	3	0	0	0	0	0	0	0	0	0	3	38	SPARE	38
39		39				0	0	0	0	0	0	0	3	40		40
41		41				0	0	0	0	0	0	0	3	42		42
TOTAL							188333	188333	188333							
TOTAL CONNECTED LOAD (VA)							565000									
(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	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	WCS107HU01	1	3	0	0	26000	8667	8667	8667	17000	0	0	3	2	WCS107HU06	2
3		3				0	8667	8667	8667	0	0	0	3	4		4
5		5				0	0	0	8667	0	0	3	6		6	
7	WCS107HU02	7	3	0	0	26000	8667	17333	8667	52000	0	0	3	8	WCS107HU07	8
9		9				0	8667	17333	8667	0	0	0	3	10		10
11		11				0	0	0	8667	17333	0	0	3	12		12
13	WCS107HU03	13	3	0	0	26000	8667	16667	8667	50000	0	0	3	14	WCS107HC09	14
15		15				0	8667	16667	8667	0	0	0	3	16		16
17		17				0	0	0	8667	16667	0	0	3	18		18
19	WCS107HU04	19	3	0	0	26000	8667	16667	8667	50000	0	0	3	20	WCS107HC13	20
21		21				0	8667	16667	8667	0	0	0	3	22		22
23		23				0	0	0	8667	16667	0	0	3	24		24
25	WCS107HU05	25	3	0	0	17000	5667	13333	5667	40000	0	0	3	26	WCS107HC05	26
27		27				0	5667	13333	5667	0	0	0	3	28		28
29		29				0	0	0	5667	13333	0	0	3	30		30
31	WCS107HC11	31	3	0	0	15000	5000	33333	5000	100000	0	0	3	32	WCS107HC04	32
33		33				0	5000	33333	5000	0	0	0	3	34		34
35		35				0	0	0	5000	33333	0	0	3	36		36
37	WCS107HC07	37	3	0	0	50000	16667	0	16667	0	0	0	3	38	SPARE	38
39		39				0	0	0	16667	0	0	0	3	40		40
41		41				0	0	0	16667	0	0	0	3	42		42
TOTAL							165000	165000	165000							
TOTAL CONNECTED LOAD (VA)							495000									
(AMPS)																

NO.	DATE	BY	CHKD	ENGR	PRJ	DESCRIPTION
A	4-19-96	J.G.	Y.C.	J.R.	J.M.	FINAL DESIGN REVIEW & BID

DRAWN	J.G.
CHECKED	
ENGINEER	
PROJ	



100 WEST WALNUT STREET  
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 1 - HANFORD, WASHINGTON

TITLE	ELECTRICAL CORNER STATION MECH. RM. LIGHTING AND POWER PANEL SCHEDULES	SCALE	NONE	CONTRACT NUMBER	PP150969	PROJECT NUMBER	8094
SHEET NUMBER	WA-E-117	REVISIONS	A				

LIGO-D960406-A-0  
LIGOWAF.3.BDR

Date Received	4-19-96	LIGO-D960406-A-0
Contractor	WA-E-117	PP150969
DATE	4/19/96	APPROVED
DATE		APPROVED
DATE		APPROVED
DATE		APPROVED