DATE: 06/27:96 TIME: 14:30:08
DESIGN FILE: I:\ligo\site1\ee\wae117.d3z

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PANEL 107RP_1 | FED FROM | CKT #
LOCATION ROOM 107 | MOUNTING Recessed | PHASE 3 | WIRE 4 | FEEDER | VOLTS 208Y/120V | MAIN | BUS 100

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

TOTAL CONNECTED LOAD (VA) 4070
(AMPS) 11.29

PANEL 107LP_1 | FED FROM | CKT #
LOCATION ROOM 107 | MOUNTING Recessed | PHASE 3 | WIRE 3 | FEEDER | VOLTS 480Y/277V | MAIN | BUS 225

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	LIGHT RM 102	1	1	0	0	2820	2820 348	0	0	348	0	0	1	2	OUTSIDE VEST LTG	2
3	OUTSIDE ,VEST LTG	3	1	0	0	458	0	458 2820	0	2820	0	0	1	4	LIGHT RM 103	4
5	LTG RM 105,104	5	1	0	0	2350	0	0	2350 66	66	0	0	1	6	EXIT EMRG LTG 103	6
7	EXIT,EMERG	7	1	0	0	124	124 1410	0	0	1410	0	0	1	8	LIGHT RM 106	8
9	EXIT,EMRG LTG	9	1	0	0	94	0	94 124	0	124	0	0	1	10	EXIT,EMERG 107	10
11	OUTSIDE,VEST 103	11	1	0	0	458	0	0	458 1880	1880	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	2350	0	2350	0	0	0	0	1	16	Spare	16
17	Spare	17	1	0	0	0	0	0	288	288	0	0	1	18	PANEL LTG RM 107	18
19	SUMP PUMP	19	3	0	0	1500	500 25000	0	0	75000	0	0	3	20	WCS107T02	20
X		21					0	500 25000	0					22		X
X		23					0	0	500 25000					24		X
25	Spare	25	1	0	0	0	0	0	0	0	0	0	1	26	Spare	26
27	Spare	27	1	0	0	0	0	0	0	0	0	0	1	28	Spare	28
29	Spare	29	1	0	0	0	0	0	0	0	0	0	1	30	Spare	30
						TOTAL	30652	31346	30542							

TOTAL CONNECTED LOAD (VA) 92540
(AMPS) 111.3

PANEL 107HP_1 | FED FROM 107SB_1 | CKT #
LOCATION ROOM 107 | MOUNTING Recessed | PHASE 3 | WIRE 3 | FEEDER | VOLTS 480 | MAIN | BUS 800

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	SPARE	1	3	0	0	0	16667			50000	0	0	3	2	WCS107HC10	2
X		3						16667						4		X
X		5							16667					6		X
7	SPARE	7	3	0	0	0	5000			15000	0	0	3	8	WCS107HC12	8
X		9						5000						10		X
X		11							5000					12		X
13	SPARE	13	3	0	0	0	16667			50000	0	0	3	14	WCS107HC08	14
X		15						16667						16		X
X		17							16667					18		X
19	SPARE	19	3	0	0	0	25000			75000	0	0	3	20	WCS107HC01	20
X		21						25000						22		X
X		23							25000					24		X
25	SPARE	25	3	0	0	0	50000			150000	0	0	3	26	WCS107HC02	26
X		27						50000						28		X
X		29							50000					30		X
31	WCS107HC03	31	3	0	0	150000	50000 25000			75000	0	0	3	32	WCS107HC06	32
X		33						50000 25000						34		X
X		35							50000 25000					36		X
37	SPARE	37	3	0	0	0	0			0	0	0	3	38	SPARE	38
X		39						0						40		X
X		41							0					42		X
						TOTAL	188333	188333	188333							

TOTAL CONNECTED LOAD (VA) 565000
(AMPS)

OMIT
SEE DWG WAE509

PANEL 107HP_2 | FED FROM | CKT #
LOCATION ROOM 107 | MOUNTING Recessed | PHASE 3 | WIRE 3 | FEEDER | VOLTS 480 | MAIN | BUS 800

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	WCS107HU01	1	3	0	0	26000	8667 5667			17000	0	0	3	2	WCS107HU06	2
X		3						8667 5667						4		X
X		5							8667 5667					6		X
7	WCS107HU02	7	3	0	0	26000	8667 17333			52000	0	0	3	8	WCS107HU07	8
X		9						8667 17333						10		X
X		11							8667 17333					12		X
13	WCS107HU03	13	3	0	0	26000	8667 16667			50000	0	0	3	14	WCS107HC09	14
X		15						8667 16667						16		X
X		17							8667 16667					18		X
19	WCS107HU04	19	3	0	0	26000	8667 16667			50000	0	0	3	20	WCS160HC13	20
X		21						8667 16667						22		X
X		23							8667 16667					24		X
25	WCS107HU05	25	3	0	0	17000	5667 33333			100000	0	0	3	26	WCS107HC05	26
X		27						5667 33333						28		X
X		29							5667 33333					30		X
31	WCS107HC11	31	3	0	0	15000	5000 33333			100000	0	0	3	32	WCS107HC04	32
X		33						5000 33333						34		X
X		35							5000 33333					36		X
37	WCS107HC07	37	3	0	0	50000	16667 0			0	0	0	3	38	SPARE	38
X		39						16667 0						40		X
X		41							16667 0					42		X
						TOTAL	185000	185000	185000							

TOTAL CONNECTED LOAD (VA) 555000
(AMPS)

REFERENCES		REVISIONS						
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	6-25-96
CHECKED	[illegible]	7-3-96
ENGINEER	[illegible]	7.3.96
PROJ	[illegible]	7/8/96

REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11-26-96

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
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	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: WA-E-117
REVISIONS: 0

LIGO-D960406-00-O | 1 | LIGOWAF3.BOR

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