

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	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	0	1	12	WCS107GP01	12
13	Spare	13	1	0	0	0	0	0	0	0	0	0	1	14	Spare	14
15	Spare	15	1	0	0	0	0	0	0	0	0	0	1	16	Spare	16
17	Spare	17	1	0	0	0	0	0	0	0	0	0	1	18	Spare	18
19	Spare	19	1	0	0	0	0	0	0	0	0	0	1	20	Spare	20
21	Spare	21	1	0	0	0	0	0	0	0	0	0	1	22	Spare	22
23	Spare	23	1	0	0	0	0	0	0	0	0	0	1	24	Spare	24
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							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	2350	224	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	474	1200	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	0	1	16	Spare	16
17	Spare	17	1	0	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	Spare	21	1	0	0	0	0	0	0	0	0	0	1	22	Spare	22
23	Spare	23	1	0	0	0	0	0	0	0	0	0	1	24	Spare	24
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							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	1666.7	0	0	50000	0	0	3	2	WCS107HC10	2
3	SPARE	3	1	0	0	0	0	1666.7	0	0	0	0	4			
5	SPARE	5	1	0	0	0	0	1666.7	0	0	0	0	6			
7	SPARE	7	3	0	0	0	5000	0	0	15000	0	0	3	8	WCS107HC12	8
9	SPARE	9	1	0	0	0	0	5000	0	0	0	0	10			
11	SPARE	11	1	0	0	0	0	5000	0	0	0	0	12			
13	SPARE	13	3	0	0	0	1666.7	0	0	50000	0	0	3	14	WCS107HC08	14
15	SPARE	15	1	0	0	0	0	1666.7	0	0	0	0	16			
17	SPARE	17	1	0	0	0	0	1666.7	0	0	0	0	18			
19	SPARE	19	3	0	0	0	25000	0	0	75000	0	0	3	20	WCS107HC01	20
21	SPARE	21	1	0	0	0	0	25000	0	0	0	0	22			
23	SPARE	23	1	0	0	0	0	25000	0	0	0	0	24			
25	SPARE	25	3	0	0	0	50000	0	0	150000	0	0	3	26	WCS107HC02	26
27	SPARE	27	1	0	0	0	0	50000	0	0	0	0	28			
29	SPARE	29	1	0	0	0	0	50000	0	0	0	0	30			
31	WCS107HC03	31	3	0	0	150000	50000	50000	50000	75000	0	0	3	32	WCS107HC06	32
33	SPARE	33	1	0	0	0	0	50000	0	0	0	0	34			
35	SPARE	35	1	0	0	0	0	50000	0	0	0	0	36			
37	SPARE	37	3	0	0	0	0	0	0	0	0	0	3	38	SPARE	38
39	SPARE	39	1	0	0	0	0	0	0	0	0	0	40			
41	SPARE	41	1	0	0	0	0	0	0	0	0	0	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	WCS107HU01	3	1	0	0	0	0	8667	8667	0	0	0	4			
5	WCS107HU01	5	1	0	0	0	0	8667	8667	0	0	0	6			
7	WCS107HU02	7	3	0	0	26000	8667	8667	8667	52000	0	0	3	8	WCS107HU07	8
9	WCS107HU02	9	1	0	0	0	0	8667	8667	0	0	0	10			
11	WCS107HU02	11	1	0	0	0	0	8667	8667	0	0	0	12			
13	WCS107HU03	13	3	0	0	26000	8667	8667	8667	50000	0	0	3	14	WCS107HC09	14
15	WCS107HU03	15	1	0	0	0	0	8667	8667	0	0	0	16			
17	WCS107HU03	17	1	0	0	0	0	8667	8667	0	0	0	18			
19	WCS107HU04	19	3	0	0	26000	8667	8667	8667	50000	0	0	3	20	WCS107HC13	20
21	WCS107HU04	21	1	0	0	0	0	8667	8667	0	0	0	22			
23	WCS107HU04	23	1	0	0	0	0	8667	8667	0	0	0	24			
25	WCS107HU05	25	3	0	0	17000	5667	5667	5667	40000	0	0	3	26	WCS107HC05	26
27	WCS107HU05	27	1	0	0	0	0	5667	5667	0	0	0	28			
29	WCS107HU05	29	1	0	0	0	0	5667	5667	0	0	0	30			
31	WCS107HC11	31	3	0	0	15000	5000	5000	5000	100000	0	0	3	32	WCS107HC04	32
33	WCS107HC11	33	1	0	0	0	0	5000	5000	0	0	0	34			
35	WCS107HC11	35	1	0	0	0	0	5000	5000	0	0	0	36			
37	WCS107HC07	37	3	0	0	50000	16667	16667	16667	0	0	0	3	38	SPARE	38
39	WCS107HC07	39	1	0	0	0	0	16667	16667	0	0	0	40			
41	WCS107HC07	41	1	0	0	0	0	16667	16667	0	0	0	42			
TOTAL							165000	165000	165000							
TOTAL CONNECTED LOAD (VA)							495000									
							(AMPS)									

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Date: 4/19/96	Approved: [Signature]
TOM #:	LIGO-
Date: / /	Approved:
Gen'l Transmittal	LIGO-
Date: / /	Approved:

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	4-19-96	J.G.	HL	HL	ATM	FINAL DESIGN REVIEW & BID

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

ELECTRICAL
CORNER STATION MECH. RM.
LIGHTING AND POWER
PANEL SCHEDULES

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