

PANEL VEAC-01A		LOCATION LVEA RM 105		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
1	VAC. EQUIP. LOAD (1.9 KVA)	1	1	20	1920	1920	8600	30	3	2	2	2	VAC. EQUIP. LOAD (8.6 KVA)	2
3	GENR. ION. AUX TURBO	3	1	20	1920	1920	8600	30	3	2	2	2	GENERAL LOADS	2
5	VAC. EQUIP. LOAD (1.4 KVA)	5	1	15	1400	1400	5800	20	3	8	6	6	VAC. EQUIP. LOAD (5.8 KVA)	8
7	SPACE	7										8	GENERAL LOADS	8
9	CLOSET RECEPTACLE	9	1	30	180	180						10		
11	VAC. EQUIP. LOAD (1.4 KVA)	11	1	15	1400	1400						12	VAC. EQUIP. LOAD (5.8 KVA)	8
13	SPACE	13										14	GENERAL LOADS	8
15	SPACE	15										16		
17	SPACE	17										18		
19	MAIN BREAKER (BACKFEED TO BUS)	19	3	100		950	950	20	1	20	20	20	RECEPTACLES TRAP PRIMER	20
21		21				750	1500	15	2	22	22	22	L-CS-136-WH-05 (1.5 KVA)	22
23		23				750						24	L-CS-136-WH-05 (1.5 KVA)	22
25		25										26		
27		27										28		
29		29										30		
31	VAC. EQUIP. LOAD (1.4 KVA)	31	1	20	1400	1400						32	VAC. EQUIP. LOAD (5.8 KVA)	8
33	GATE VALVE	33				1934						34	GENERAL LOADS	8
35	SPACE	35										36		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3	150								38	SPARE	38
39		39										40	SPARE	40
41		41										42	SPARE	42
TOTAL CONNECTED LOAD (VA)							7671	7651	7471					
(AMPS)							22613							

PANEL VEAC-02A		LOCATION LVEA RM 104		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
1	VAC. EQUIP. LOAD (1.9 KVA)	1	1	20	1920	1920	8600	30	3	2	2	2	VAC. EQUIP. LOAD (8.6 KVA)	2
3	GENR. ION. AUX TURBO	3	1	20	1920	1920	8600	30	3	2	2	2	GENERAL LOADS	2
5	VAC. EQUIP. LOAD (1.4 KVA)	5	1	15	1400	1400	5800	20	3	8	6	6	VAC. EQUIP. LOAD (5.8 KVA)	8
7	SPACE	7										8	GENERAL LOADS	8
9	SPACE	9	1	15		1934						10		
11	VAC. EQUIP. LOAD (1.4 KVA)	11	1	15	1400	1400						12	VAC. EQUIP. LOAD (5.8 KVA)	8
13	SPACE	13				1934						14	GENERAL LOADS	8
15	SPACE	15										16		
17	SPACE	17										18		
19	MAIN BREAKER (BACKFEED TO BUS)	19	3	100		820	820	20	1	20	20	20	RECEPTACLES TRAP PRIMER	20
21		21				750	1500	15	2	22	22	22	L-CS-136-WH-04 (1.5 KVA)	22
23		23				750						24	L-CS-136-WH-04 (1.5 KVA)	22
25		25										26		
27		27										28		
29		29										30		
31	VAC. EQUIP. LOAD (1.4 KVA)	31	1	20	1400	1400						32	VAC. EQUIP. LOAD (5.8 KVA)	8
33	GATE VALVE	33				1934						34	GENERAL LOADS	8
35	SPACE	35										36		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3	150								38	SPARE	38
39		39										40	SPARE	40
41		41										42	SPARE	42
TOTAL CONNECTED LOAD (VA)							7541	7471	8351					
(AMPS)							23363							

PANEL VEAC-03A		LOCATION LVEA RM 103		VOLTS 208Y/120V										
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
1	VAC. EQUIP. LOAD (1.9 KVA)	1	1	20	1920	1920	8600	30	3	2	2	2	VAC. EQUIP. LOAD (8.6 KVA)	2
3	GENR. ION. AUX TURBO	3	1	20	1920	1920	8600	30	3	2	2	2	GENERAL LOADS	2
5	VAC. EQUIP. LOAD (1.4 KVA)	5	1	15	1400	1400	5800	20	3	8	6	6	VAC. EQUIP. LOAD (5.8 KVA)	8
7	SPACE	7										8	GENERAL LOADS	8
9	SPACE	9	1	30	180	180						10		
11	CLOSET RECEPTACLE	11	1	30	180	180						12	VAC. EQUIP. LOAD (5.8 KVA)	8
13	SPACE	13										14	GENERAL LOADS	8
15	SPACE	15										16		
17	SPACE	17										18		
19	SPACE	19										20		
21	SPACE	21				950	950	20	1	20	20	20	RECEPTACLES TRAP PRIMER	20
23	SPACE	23				750	1500	15	2	22	22	22	L-CS-136-WH-03 (1.5 KVA)	22
25	VAC. EQUIP. LOAD (1.9 KVA)	25	1	20	1920	1920	8600	30	3	26	26	26	VAC. EQUIP. LOAD (8.6 KVA)	26
27	GENR. ION. AUX TURBO	27	1	20	1920	1920	8600	30	3	26	26	26	GENERAL LOADS	26
29	VAC. EQUIP. LOAD (1.4 KVA)	29	1	20	1400	1400	5800	20	3	32	32	32	VAC. EQUIP. LOAD (5.8 KVA)	32
31	GATE VALVE	31				1934						34	GENERAL LOADS	8
33	SPACE	33										36		
35	SPACE	35										38		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3	150								40	SPARE	40
39		39										42	SPARE	42
41		41												
TOTAL							15792	14272	11932					
TOTAL CONNECTED LOAD (VA)							41736							
(AMPS)														

PANEL VEAC-04A		LOCATION LVEA RM 103		VOLTS 208Y/120V										
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
1	VAC. EQUIP. LOAD (1.9 KVA)	1	1	20	1920	1920	8600	30	3	2	2	2	VAC. EQUIP. LOAD (8.6 KVA)	2
3	GENR. ION. AUX TURBO	3	1	20	1920	1920	8600	30	3	2	2	2	GENERAL LOADS	2
5	VAC. EQUIP. LOAD (1.4 KVA)	5	1	15	1400	1400	5800	20	3	8	6	6	VAC. EQUIP. LOAD (5.8 KVA)	8
7	SPACE	7										8	GENERAL LOADS	8
9	SPACE	9	1	20		1934						10		
11	SPACE	11	1	20		1934						12	VAC. EQUIP. LOAD (5.8 KVA)	8
13	SPACE	13										14	GENERAL LOADS	8
15	SPACE	15										16	COMMUNICATIONS SUMP PUMP	16
17	SPACE	17										18	SPARE	18
19	SPACE	19										20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21				1180	1180	20	1	20	20	20	RECEPTACLES TRAP PRIMER	20
23	SPACE	23				750	1500	15	2	22	22	22	L-CS-136-WH-06 (1.5 KVA)	22
25	VAC. EQUIP. LOAD (1.9 KVA)	25	1	20	1920	1920	8600	20	3	26	26	26	VAC. EQUIP. LOAD (8.6 KVA)	26
27	GENR. ION. AUX TURBO	27	1	20	1920	1920	8600	20	3	26	26	26	GENERAL LOADS	26
29	VAC. EQUIP. LOAD (1.4 KVA)	29	1	20	1400	1400	5800	20	3	32	32	32	VAC. EQUIP. LOAD (5.8 KVA)	32
31	GATE VALVE	31				1934						34	GENERAL LOADS	8
33	SPACE	33										36		
35	SPACE	35										38		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3	150								40	SPARE	40
39		39										42	SPARE	42
41		41												
TOTAL							16022	15342	11752					
TOTAL CONNECTED LOAD (VA)							43116							
(AMPS)														

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ISSUED FOR CONSTRUCTION	DATE	BY	CHKD	ENGR	PROJ
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**

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE	DL	JK	YLU	ISSUED FOR AS-BUILT

**PARSONS**

100 WEST WALNUT STREET  
PASADENA, CALIFORNIA

**LIGO**

CALIFORNIA INSTITUTE OF TECHNOLOGY  
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**LIGO-D961021-01-0**

LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE	ELECTRICAL CORNER STATION LVEA VEAC PANEL SCHEDULES
SCALE	NONE
CONTRACT NUMBER	PP150969
PROJECT NUMBER	8094