

PANEL VEAC_01A		LOCATION ROOM 202		VOLTS 208Y/120V													
FED FROM	CKT #	MOUNTING Recessed		MAIN 100A													
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	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	
1	GEN RECP PUMP 1	1	1	0	0	1900	A	B	C	8600	0	0	3	2	GENERAL LOAD	2	
3	GEN RECP PUMP 2	3	1	0	0	1900	0	1900	0				4				
5	GATE VALVE 1	5	1	0	0	1400	0	0	1400				6				
7	Spare	7	1	0	0	0	0	0	0	0	0	0	1	8	Spare	8	
9	Spare	9	1	0	0	0	0	0	0	0	0	0	1	10	Spare	10	
11	GATE VALVE 2	11	1	0	0	1400	0	0	1400				12	Spare	12		
TOTAL							4767	4767	5667								
TOTAL CONNECTED LOAD (VA)							15200										
(AMPS)																	

PANEL VEAC_02A		LOCATION ROOM 202		VOLTS 208Y/120V													
FED FROM	CKT #	MOUNTING Recessed		MAIN 100A													
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	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	
1	GEN RECP PUMP 3	1	1	0	0	1900	A	B	C	8600	0	0	3	2	GENERAL LOAD	2	
3	GEN RECP PUMP 4	3	1	0	0	1900	0	1900	0				4				
5	GATE VALVE 3	5	1	0	0	1400	0	0	1400				6				
7	VE RACK (FUTURE)	7	1	0	0	1900	1900	0	0	0	0	0	1	8	Spare	8	
9	Spare	9	1	0	0	0	0	0	0	0	0	0	1	10	Spare	10	
11	GATE VALVE 4	11	1	0	0	1400	0	0	1400				12	Spare	12		
TOTAL							6667	4767	5667								
TOTAL CONNECTED LOAD (VA)							17100										
(AMPS)																	

PANEL DP_01		LOCATION ROOM 203		VOLTS 480Y/277V													
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 800AF/800AT													
DP_01	19	PHASE 3	WIRE 3	FEEDER (2)4*500KCMIL	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	
1	HEATER HC_03	1	1	0	0	75000	A	B	C	6318	0	0	3	2	AIR COMPRESS 01,02	2	
3		3	1	0	0	0	0	25000	0				4				
5		5	1	0	0	0	0	0	25000				6				
7	CHILLER 01	7	3	0	0	77000	25667	25667	25000	77000	0	0	3	8	CHILLER 02	8	
9		9				0	0	0	0	0	0	0	10				
11		11				0	0	0	0	0	0	0	12				
13	Spare	13	3	0	0	0	0	0	0	0	0	0	3	14	Spare	14	
15		15				0	0	0	0	0	0	0	16				
17		17				0	0	0	0	0	0	0	18				
19	RP-1,VEAC-1A,2A,04A	19	3	0	0	55380	18460	53724	0	161188	0	0	3	20	PNL DP_02	20	
21		21				0	18460	53724	0	0	0	0	22				
23		23				0	18460	53724	0	0	0	0	24				
25	PNL COSAC_01	25	3	0	0	11520	3840	27800	0	83400	0	0	3	26	PNL VEAC_01B	26	
27		27				0	3840	27800	0	0	0	0	28				
29		29				0	0	0	0	0	0	0	30				
31	PNL VEAC_02B	31	3	0	0	47400	15800	0	0	0	0	0	1	32	Spare	32	
33		33				0	15800	0	0	0	0	0	1	34	Spare	34	
35		35				0	0	15800	0	0	0	0	1	36	Spare	36	
37	MCC_01	37	3	0	0	93112	31037	10000	0	30000	0	0	3	38	PNL VEAC_04B	38	
39		39				0	0	0	0	0	0	0	40				
41		41				0	0	0	0	0	0	0	42				
TOTAL							239106	239106	239106								
TOTAL CONNECTED LOAD (VA)							717318										
(AMPS)																	

* NOTE:
 THIS SCHEDULE IS FOR REFERENCE ONLY.
 SEE SINGLE LINE DIAGRAM ON DRAWING #
 WA-E-006 FOR DISTRIBUTION PANEL DP-01.

PANEL CDSAC_01		LOCATION ROOM 202		VOLTS 208Y/120V													
FED FROM	CKT #	MOUNTING Recessed		MAIN 100A													
DP_01	25	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	GND 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	
1	CDS RACK POWER	1	1	0	0	1920	A	B	C	1920	0	0	1	2	CDS RACK POWER	2	
3	CDS RACK POWER	3	1	0	0	1920	0	1920	0	1920	0	0	1	4	CDS RACK POWER	4	
5	CDS RACK POWER	5	1	0	0	1920	0	0	1920	1920	0	0	1	6	CDS RACK POWER	6	
7	Spare	7	1	0	0	0	0	0	0	0	0	0	1	8	Spare	8	
9	Spare	9	1	0	0	0	0	0	0	0	0	0	1	10	Spare	10	
11	Spare	11	1	0	0	0	0	0	0	0	0	0	1	12	Spare	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							3840	3840	3840								
TOTAL CONNECTED LOAD (VA)							11520										
(AMPS)																	

PANEL VEAC_04A		LOCATION ROOM 205		VOLTS 208Y/120V													
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A													
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	GND 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	
1	VE RACK	1	1	0	0	1900	A	B	C	0	0	0	1	2	Spare	2	
3	VAC GAUGE PS	3	1	0	0	1000	0	1000	0	0	0	0	1	4	Spare	4	
5	MAIN ION OUMP PS	5	1	0	0	1400	0	0	1400	0	0	0	1	6	Spare	6	
7	Spare	7	1	0	0	0	0	0	0	0	0	0	1	8	Spare	8	
9	Spare	9	1	0	0	0	0	0	0	0	0	0	1	10	Spare	10	
11	Spare	11	1	0	0	0	0	0	0	0	0	0	1	12	Spare	12	
TOTAL							1900	1000	1400								
TOTAL CONNECTED LOAD (VA)							4300										
(AMPS)																	

PANEL VEAC_04B		LOCATION ROOM 205		VOLTS 480Y/277V													
FED FROM	CKT #	MOUNTING Surface Mount		MAIN Main lugs													
DP_01	38	PHASE 3	WIRE 4	FEEDER 4*1 & 1*6	GND BUS 125												
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
1	TURBO BACKING PUMP	1	3	0	0	8000	A	B	C	0	0	0	3	2	SPARE	2	
3		3				0	0	2667	0	0	0	0	4				
5		5				0	0	0	2667	0	0	0	6				
7	SPARE	7	3	0	0	0	0	0	0	0	0	0	3	8	SPARE	8	
9		9				0	0	0	0	0	0	0	10				
11		11				0	0	0	0	0	0	0	12				
TOTAL							2667	2667	2667								
TOTAL CONNECTED LOAD (VA)							8000										
(AMPS)																	

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	5-22-96	RAF			TDM	BID ADDENDUM #2
A	4-19-96				TDM	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 MID & END A STATIONS PANEL SCHEDULES
SCALE	NONE
CONTRACT NUMBER	PP150969
PROJECT NUMBER	8094
SHEET NUMBER	WA-E-206

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

I:\ligo\site\lec\wae206.d3z
 LIGO-D960416-B-0
 20963-53 9444 06/07/96 11:27 AM
 LIGOWAF3.BDR