Branch Panel: SL22A

Location: (E) ELEC E-2.2
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10KAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
(EXISTING) LIFE SAFTEY BRANCH

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISTING CATH LAB	20 A	1	0 VA	0 VA					1	20 A	EXISTING LOAD	2
3	EXISTING CATH LAB	20 A	1			0 VA	500 VA			1	20 A	(N) MED. ALARM PANEL	4
5	EXISTING CATH LAB	20 A	1					0 VA	500 VA	1	20 A	(N) MED. ALARM PANEL	6
7	Space	--	--	0 VA	0 VA					--	--	Space	8
9	Space	--	--			0 VA	0 VA			--	--	Space	10
11	Space	--	--					0 VA	0 VA	--	--	Space	12
13	Space	--	--	0 VA	0 VA					--	--	Space	14
15	Space	--	--			0 VA	0 VA			--	--	Space	16
17	Space	--	--					0 VA	0 VA	--	--	Space	18
19													20
21													22
23													24
		Total Load:		0 VA		500 VA		500 VA					
		Total Amps:		0 A		5 A		5 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Non-Continuous	1000 VA	100.00%	1000 VA		
				Total Conn. Load:	1000 VA
				Total Est. Demand:	1000 VA
				Total Conn.:	3 A
				Total Est. Demand:	3 A
				Existing Load:	0 VA
				25% CEC Adder:	0 VA
				Total Load @ .9 PF:	900 VA

Notes:

Branch Panel: QL22A

Location: (E) ELEC E-2.2
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10KAIC
Mains Type: MLO
Mains Rating: 100 A
MCB Rating:

Notes:
(EXISTING) EQUIPMENT BRANCH

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1,3	Non-Continuous	20 A	2	500 VA	500 VA					2	20 A	Non-Continuous	2,4
		--	--			500 VA	500 VA			--	--		
5	HYBRID OR MOTORIZED DOORS	20 A	1					0 VA	124 VA	1	15 A	ERP-6A1	6
7	AHU CONTROLS	20 A	1	0 VA	124 VA					1	15 A	ERP-6A2	8
9	AHU - UV LIGHTS	20 A	1			200 VA	100 VA			1	20 A	SSHX-6A CONTROL	10
11	AHU - UV LIGHTS	20 A	1					200 VA	500 VA	1	20 A	HYBRID OR MOTORIZED DOORS	12
13	Space	--	--	0 VA	500 VA					1	20 A	CATH LAB MOTORIZED DOORS	14
15	Space	--	--			0 VA	0 VA			--	--	Space	16
17	Space	--	--					0 VA	0 VA	--	--	Space	18
19	Space	--	--	0 VA	0 VA					--	--	Space	20
21	Space	--	--			0 VA	0 VA			--	--	Space	22
23	Space	--	--					0 VA	0 VA	--	--	Space	24
25	Space	--	--	0 VA	0 VA					--	--	Space	26
27	Space	--	--			0 VA	0 VA			--	--	Space	28
29	Space	--	--					0 VA	0 VA	--	--	Space	30
31	Space	--	--	0 VA	0 VA					--	--	Space	32
33	Space	--	--			0 VA	0 VA			--	--	Space	34
35	Space	--	--					0 VA	0 VA	--	--	Space	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
		Total Load:		1624 VA		1300 VA		824 VA					
		Total Amps:		14 A		11 A		7 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Non-Continuous	3749 VA	100.00%	3749 VA		
				Total Conn. Load:	3749 VA
				Total Est. Demand:	3749 VA
				Total Conn.:	10 A
				Total Est. Demand:	10 A
				Existing Load:	0 VA
				25% CEC Adder:	0 VA
				Total Load @ .9 PF:	3374 VA

Notes:
EXISTING LOAD (CIRCUITS 1 THRU 11) TOTAL 4320VA WERE REMOVED. NEW LOAD IS 3200 VA ADDED.
NEW TOTAL LOAD IS LESS THAN REMOVED LOAD THEREFORE LOAD CALCULATION IS NOT REQUIRED.

Switchboard: QMCC52A

Location: (E) ROOF ELEC RM -
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating:
MCB Rating:

Notes:
(EXISTING) EQUIPMENT BRANCH

CKT	Circuit Description	Frame Size	Trip Rating	Wire Size	Load	Remarks
1	AHU-6A VIA VFD	100 A	70 A	3-#4, 1-#8	41500 VA	
2	SCHP-6A1 VIA VFD	100 A	20 A	3-#12, 1-#12	3900 VA	
3	SCHP-6A2 VIA VFD	100 A	20 A	3-#12, 1-#12	3900 VA	
4	ACCH-6A VIA CONTROL PANEL	225 A	125 A	3-#1, 1-#6	114320 VA	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	163620 VA	
				Total Amps:	197 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	163620 VA	100.00%	163620 VA		
				Total Conn. Load:	163620 VA
				Total Est. Demand:	163620 VA
				Total Conn.:	197 A
				Total Est. Demand:	197 A

Notes:
CONTRACT SHALL METER THIS PANEL TO CALCULATE AVAILABLE CAPACITY OF THIS PANEL PRIOR TO INSTALLATION OF THE ADDED LOAD SHOWN.

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FINAL BID DOCUMENTS

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AMENDMENT 1	**09.05.2014**

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Drawing Title: **ELECTRICAL PANEL SCHEDULES**

Approved: Project Director

Project Title: **VA PALO ALTO B-100 CATH LAB RENOVATION AND HYBRID OR**

Location: **VAPAHCS - PALO ALTO CAMPUS**
3801 MIRANDA AVE, PALO ALTO, CA 94304

Date: **08.22.2014** | Checked: **Checker** | Drawn: **LTA**

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