① (E)PANEL ELC1-EM

LIGHTING LOAD AT 125%	0.0 KVA	SECTION:	1	NEUTRAL BUS:	100%
TOTAL CONNECTED RECEPTACLE LOAD	9.5 KVA	VOLTAGE:	208/120 Volts	GROUND BUS:	100%
RECEPT. LOAD FIRST 10 KVA AT 100%	9.5 KVA	SYSTEM:	3 Phase 4 Wire	ISOLATED GND BUS:	NO
REMAINING RECEPT. LOAD AT 50%	0.0 KVA	MAINS:	225 Amps	AIC RATING:	22KAIC
MOTOR LOAD AT 125% HIGHEST + REMAINING	0.0 KVA	MTG:	SURFACE	NEMA ENCLOSURE:	1
TOTAL APPLIANCE LOAD AT 100%	0.0 KVA	FEED:	LUGS	MAIN BREAKER:	MLO

LOAD TYPE	LOAD DESCRIPTION	VA	CB AMPS	P	CKT No.	PH	CKT No.	CB AMP	P	VA	LOAD DESCRIPTION	LOAD TYPE	
R	(E) PHYSIO MON./LITE B10		20	1	1	A	2	20	1		(E) NURSE STA. OUTLTS, B4	R	
R	(E) OPTHALIEKGS, B10		20	1	3	B	4	20	1		(E) NURSE STA. OUTLTS, B4	R	
R	(E) DEFIB. MON. OUTLETS		20	1	5	C	6	20	1		(E) OUTLETS, B17/B18	R	
R	(E) INFUSION PUMPS, B10		20	1	7	A	8	20	1		(E) OUTLETS, B17/B18	R	
R	(E) COUNTER OUTLETS, B9,10		20	1	9	B	10	20	1		(E) OUTLETS, B5,B11,3,B6	R	
R	(E) ICE MACHINE, B9		20	1	11	C	12	20	1		(E) ELECTRO SUG., B11.3	R	
R	(E) NEBULRERS		20	1	13	A	14	20	1		(E) OUTLETS, B12, B11,11.1,11.2	R	
R	(E) OUTLETS/CLOCK, B9		20	1	15	B	16	20	1		(E) F8, F10, F11 OUTLET	R	
R	(E) SURG. LITE/MOITR, B9		20	1	17	C	18	20	1		(E) L19 SILVER REC.	R	
R	(E) OUTLET, B7		20	1	19	A	20	20	1		(E) B7 GAS ALARM PNL	R	
R	(E) COUNTER OUTLETS, B7		20	1	21	B	22	20	1	900	REC RM76 REFRIG	R	②
R	(E) WALL OUTLETS		20	1	23	C	24	20	1	900	REC RM76 REFRIG	R	②
R	(E) OUTLETS/CLOCK, B9		20	1	25	A	26	20	1	900	REC RM76 REFRIG	R	②
R	(E) NURSE CALL		20	1	27	B	28	20	1	900	REC RM77 REFRIG	R	②
R	REC-ALCOVE 201	180	20	1	29	C	30	20	1	900	REC RM77 REFRIG	R	②
R	REC-ALCOVE 201	180	20	1	31	A	32	20	1	500	REC RM67 REFRIG	R	②
R	REC SECURED DISPENSING 66	360	20	1	33	B	34	20	1	360	REC-RECEPTION 204	R	②
R	REC SUPERVIS PHARMACIST 84	360	20	1	35	C	36	20	1	1080	REC HEM-ONC RM 172	R	②
R	REC FILLING STATION RM 26	720	20	1	37	A	38	20	1	900	REC HEM-ONC RM 172	R	②
	SPACE		20	1	39	B	40	20	1	180	REC NURSE CALL SYSTEM	R	②
	SPACE		20	1	41	C	42	20	1	180	REC NURSE CALL	R	②

LOAD SUMMARY:

CONNECTED LOAD - PHASE "A"	3.2 KVA	HIGHEST MOTOR LOAD	VA
CONNECTED LOAD - PHASE "B"	2.7 KVA	1. PROVIDE GFCI CIRCUIT BREAKERS	
CONNECTED LOAD - PHASE "C"	3.6 KVA	2. PROVIDE LOCKOUT DEVICE FOR CIRCUIT BREAKERS	
CONNECTED LOAD - ALL PHASES	9.5 KVA	3. CIRCUIT INTERLOCK TO TIMECLOCK	
TOTAL DEMAND LOAD	9.5 KVA		
	26 AMPS	(LOAD TYPE: L = LIGHTING, R = RECEPTACLE, M = MOTOR, O = OTHER EQUIPMENT)	

① PROVIDE TYPED-WRITTEN UPDATED/CORRECTED PANEL DIRECTORIES.

② PROVIDE CIRCUIT BREAKER TO MATCH EXISTING.

③ (N) PANEL LBD1A

LIGHTING LOAD AT 125%	0.0 KVA	SECTION:	1	NEUTRAL BUS:	100%
TOTAL CONNECTED RECEPTACLE LOAD	2.8 KVA	VOLTAGE:	208/120 Volts	GROUND BUS:	100%
RECEPT. LOAD FIRST 10 KVA AT 100%	2.8 KVA	SYSTEM:	3 Phase 4 Wire	ISOLATED GND BUS:	NO
REMAINING RECEPT. LOAD AT 50%	0.0 KVA	MAINS:	225 Amps	AIC RATING:	22KAIC
MOTOR LOAD AT 125% HIGHEST + REMAINING	4.2 KVA	MTG:	SURFACE	NEMA ENCLOSURE:	1
TOTAL APPLIANCE LOAD AT 100%	0.0 KVA	FEED:	LUGS	MAIN BREAKER:	MLO

LOAD TYPE	LOAD DESCRIPTION	VA	CB AMPS	P	CKT No.	PH	CKT No.	CB AMP	P	VA	LOAD DESCRIPTION	LOAD TYPE	
R	SPARE		20	1	1	A	2	20	3	700	EF-33	M	
R	SPARE		20	1	3	B	4			700		M	
R	SPARE		20	1	5	C	6			700		M	
R	SPARE		20	1	7	A	8	20	1	1000	ROOF CRANE	M	④
R	ROLL DOWN DOOR	500	20	1	9	B	10	20	1	100	1ST FLOOR FSD-4	M	
R	REC. DISPENSING ROOM 158	720	20	1	11	C	12	20	1	540	REC. STORAGE ROOM 165	R	
R	REC. DISPENSING ROOM 158	720	20	1	13	A	14	20	1		SPARE	R	
	SPARE		20	1	15	B	16	20	1	300	1st FLOOR ELEC LOCK	R	
	SPARE		20	1	17	C	18	20	1		SPARE	R	
	SPARE		20	1	19	A	20	20	1	1000	ROOF CRANE	M	④
	SPARE		20	1	21	B	22	20	1		SPARE		
	SPARE		20	1	23	C	24	20	1		SPARE		
	SPACE			1	25	A	26		1		SPACE		
	SPACE			1	27	B	28		1		SPACE		
	SPACE			1	29	C	30		1		SPACE		
	SPACE			1	31	A	32		1		SPACE		
	SPACE			1	33	B	34		1		SPACE		
	SPACE			1	35	C	36		1		SPACE		
	SPACE			1	37	A	38		1		SPACE		
	SPACE			1	39	B	40		1		SPACE		
	SPACE			1	41	C	42		1		SPACE		

LOAD SUMMARY:

CONNECTED LOAD - PHASE "A"	3.4 KVA	HIGHEST MOTOR LOAD	VA
CONNECTED LOAD - PHASE "B"	1.6 KVA	1. PROVIDE GFCI CIRCUIT BREAKERS	
CONNECTED LOAD - PHASE "C"	2.0 KVA	2. PROVIDE LOCKOUT DEVICE FOR CIRCUIT BREAKERS	
CONNECTED LOAD - ALL PHASES	7.0 KVA	3. CIRCUIT INTERLOCK TO TIMECLOCK	
TOTAL DEMAND LOAD	7.0 KVA		
	19 AMPS	(LOAD TYPE: L = LIGHTING, R = RECEPTACLE, M = MOTOR, O = OTHER EQUIPMENT)	

③ PROVIDE CIRCUIT BREAKERS TO MATCH EXISTING.

④ PROVIDE GFI CIRCUIT BREAKER

⑤ (N) PANEL LBD1

LIGHTING LOAD AT 125%	0.0 KVA	SECTION:	1	NEUTRAL BUS:	100%
TOTAL CONNECTED RECEPTACLE LOAD	43.9 KVA	VOLTAGE:	208/120 Volts	GROUND BUS:	100%
RECEPT. LOAD FIRST 10 KVA AT 100%	10.0 KVA	SYSTEM:	3 Phase 4 Wire	ISOLATED GND BUS:	NO
REMAINING RECEPT. LOAD AT 50%	17.0 KVA	MAINS:	225 Amps	AIC RATING:	22KAIC
MOTOR LOAD AT 125% HIGHEST + REMAINING	0.0 KVA	MTG:	SURFACE	NEMA ENCLOSURE:	1
TOTAL APPLIANCE LOAD AT 100%	0.0 KVA	FEED:	LUGS	MAIN BREAKER:	150A/3P

LOAD TYPE	LOAD DESCRIPTION	VA	CB AMPS	P	CKT No.	PH	CKT No.	CB AMP	P	VA	LOAD DESCRIPTION	LOAD TYPE
R	REC PRESCRIPTION REC'D 151	720	20	1	1	A	2	20	1		SPARE	R
R	REC PRESCRIPTION REC'D 151	720	20	1	3	B	4	20	1		SPARE	R
R	REC REC'D/DISPEN. 151,158,155	900	20	1	5	C	6	20	1		SPARE	R
R	REC WAITING AREA 150	540	20	1	7	A	8	20	1		SPARE	R
R	REC DRUG REC'D 155	900	20	1	9	B	10	20	1		SPARE	R
R	REC DRUG REC'D/FILING 155,156	720	20	1	11	C	12	20	1		SPARE	R
R	REC DISPENJSTORAGE 158,161	900	20	1	13	A	14	20	1		SPARE	R
R	REC STOR. RM 161	1080	20	1	15	B	16	20	1		SPARE	R
R	REC OFFICE RM162,165	1080	20	1	17	C	18	20	1		SPARE	R
R	REC STORAGRM.OFFICE 163	720	20	1	19	A	20	20	1		SPARE	R
R	REC STORAGE RM 157	360	20	1	21	B	22	20	1		SPARE	R
R	REC FILING RM 156	360	20	1	23	C	24	20	1		SPARE	R
R	REC BREAK/LOCKER ROOM 166	360	20	1	25	A	26	20	1		SPARE	R
R	REC BREAK/LOCKER ROOM 166	540	20	1	27	B	28	20	1		SPARE	R
R	REC BREAK/LOCKER ROOM 166	900	20	1	29	C	30	20	1		SPARE	R
R	REC FILING RM 156	1080	20	1	31	A	32	20	1		SPARE	R
R	REC FILING RM 156	1260	20	1	33	B	34	20	1		SPARE	R
R	REC FILING RM 156	1260	20	1	35	C	36	20	1		SPARE	R
R	PANEL "LBD1A"	3400	100	3	37	A	38	100	3	7300	PANEL "LBD1B"	R
R		1600			39	B	40			7700		R
R		2000			41	C	42			7500		R

LOAD SUMMARY:

CONNECTED LOAD - PHASE "A"	15.0 KVA	HIGHEST MOTOR LOAD	VA
CONNECTED LOAD - PHASE "B"	14.2 KVA	1. PROVIDE GFCI CIRCUIT BREAKERS	
CONNECTED LOAD - PHASE "C"	14.7 KVA	2. PROVIDE LOCKOUT DEVICE FOR CIRCUIT BREAKERS	
CONNECTED LOAD - ALL PHASES	43.9 KVA	3. CIRCUIT INTERLOCK TO TIMECLOCK	
TOTAL DEMAND LOAD	27.0 KVA		
	75 AMPS	(LOAD TYPE: L = LIGHTING, R = RECEPTACLE, M = MOTOR, O = OTHER EQUIPMENT)	

⑤ PROVIDE CIRCUIT BREAKERS TO MATCH EXISTING.

⑥ (N) PANEL LBD1B

LIGHTING LOAD AT 125%	0.0 KVA	SECTION:	1	NEUTRAL BUS:	100%
TOTAL CONNECTED RECEPTACLE LOAD	22.5 KVA	VOLTAGE:	208/120 Volts	GROUND BUS:	100%
RECEPT. LOAD FIRST 10 KVA AT 100%	10.0 KVA	SYSTEM:	3 Phase 4 Wire	ISOLATED GND BUS:	NO
REMAINING RECEPT. LOAD AT 50%	6.3 KVA	MAINS:	225 Amps	AIC RATING:	22KAIC
MOTOR LOAD AT 125% HIGHEST + REMAINING	0.0 KVA	MTG:	RECESSED	NEMA ENCLOSURE:	1
TOTAL APPLIANCE LOAD AT 100%	0.0 KVA	FEED:	LUGS	MAIN BREAKER:	100A/3P

LOAD TYPE	LOAD DESCRIPTION	VA	CB AMPS	P	CKT No.	PH	CKT No.	CB AMP	P	VA	LOAD DESCRIPTION	LOAD TYPE
R	AREA ALARM CONTROL PANEL	180	20	1	1	A	2	20	1	1260	REC OFFICE RM 264	R
R	REC CEILING TV	360	20	1	3	B	4	20	1	1080	REC EXAM RM 263	R
R	REC WAITING KIOSK	360	20	1	5	C	6	20	1	1260	REC EXAM RM 262	R
R	2nd FLOOR ELEC LOCK	100	20	1	7	A	8	20	1	1260	REC EXAM RM 261	R
R	REC ALCOVE 254 COPIER	900	20	1	9	B	10	20	1	1080	REC EXAM RM 260	R
R	2ND FLOOR FSD-1, FSD-2, FSD-3	300	20	1	11	C	12	20	1	1080	REC EXAM/CARDIOLOGY RM 259	R
R	SPARE		20	1	13	A	14	20	1	1080	REC EXAM/CARDIOLOGY RM 258	R
R	SPARE		20	1	15	B	16	20	1	900	REC EXAM/PULMONARY RM 257	R
	SPARE		20	1	17	C	18	20	1	900	REC EXAM/PULMONARY RM 256	R
	SPARE		20	1	19	A	20	20	1	1080	REC EXAM RM 255	R
	SPARE		20	1	21	B	22	20	1	900	REC VATAL RM 252	R
	SPARE		20	1	23	C	24	20	1	1080	REC RECEPTION RM 251	R
	SPARE		20	1	25	A	26	20	1	1260	REC HALL 253, TOILETS 265,266	R
	SPARE		20	1	27	B	28	20	1	1080	REC HEM-ONC 267	R
	SPARE		20	1	29	C	30	20	1	1080	REC HEM-ONC 267	R
	SPACE			1	31	A	32	20	1		SPARE	R
	SPACE			1	33	B	34	20	1	1440	REC HEM-ONC 267	R
	SPACE			1	35	C	36	20	1	1440	REC HEM-ONC 267	R
	SPARE		20	3	37	A	38	20	1	1080	REC HEM-ONC 267	R
					39	B	40	20	1		SPARE	R
					41	C	42	20	1		SPARE	R

LOAD SUMMARY:

CONNECTED LOAD - PHASE "A"	7.3 KVA	HIGHEST MOTOR LOAD	VA
CONNECTED LOAD - PHASE "B"	7.7 KVA	1. PROVIDE GFCI CIRCUIT BREAKERS	
CONNECTED LOAD - PHASE "C"	7.5 KVA	2. PROVIDE LOCKOUT DEVICE FOR CIRCUIT BREAKERS	
CONNECTED LOAD - ALL PHASES	22.5 KVA	3. CIRCUIT INTERLOCK TO TIMECLOCK	
TOTAL DEMAND LOAD	16.3 KVA		
	45 AMPS	(LOAD TYPE: L = LIGHTING, R = RECEPTACLE, M = MOTOR, O = OTHER EQUIPMENT)	

⑥ PROVIDE CIRCUIT BREAKERS TO MATCH EXISTING.

Revisions: Date

CONSULTANTS:

F.W. ASSOCIATES, INC.
CONSULTING ENGINEERS
330 FRANKLIN, SUITE 400, OAKLAND, CA 94607
PHONE: (510) 763-7475 FAX: (510) 763-7033

REGISTERED PROFESSIONAL ENGINEER EDWARD K.S. WONG No.10436 Exp.9-30-2016 ELECTRICAL STATE OF CALIFORNIA

KEY PLAN

ARCHITECT/ENGINEERS:

MEI ARCHITECTS
239 9TH STREET SAN FRANCISCO, CA 94103
T 415.703.0328 F 415.707.6328 www.meiarchitects.com

Drawing Title: PANEL SCHEDULES

Approved: Project Director

Project Title: VA Martinez - Remodel Vacated Mental Health Space, Replace Exterior Panels, Building 19 OPC

Location: VANCHCS - Martinez, CA

Date: January 30, 2015

Checked

Drawn

Project Number: 612-12-224FCA

Building Number: 19

Drawing Number: ES6-1

Dwg. -- of --

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

CONSTRUCTION DOCUMENTS - BID SET