PANEL 3ELC

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG FLUSH — PANELBOARD 3ELC — LOCATION BLDG. 3 SECOND FLR GEN. STORAGE RM — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	540	-----	-----	R	20/1	3	LIVING, HALLS 4,5 RECEPT.	A	2	720	-----	-----	R	20/1	4	BER ROOMS RECEPT.
3	-----	900	-----	R	20/1	5	LIVING, HALLS 4,7 RECEPT.	B	4	-----	720	-----	R	20/1	4	BER ROOMS RECEPT.
5	-----	-----	900	R	20/1	5	LIVING, HALLS 3,5,7 RECEPT.	C	6	-----	-----	300	R	20/1	1	SHOWER ROOM 4 RECEPT.
7	720	-----	-----	R	20/1	4	GEN. STORAGE ROOM RECEPT.	A	8	300	-----	-----	R	20/1	1	SHOWER ROOM 3 RECEPT.
9	-----	540	-----	R	20/1	3	STAFF, LAUNDRY, BALCONY REC.	B	10	-----	720	-----	R	20/1	4	CLINICIANS PSYCH. DIRECTOR REC
11	-----	-----	540	R	20/1	3	SUN, INTERVIEW RMS RECEPT.	C	12	-----	-----	720	R	20/1	4	CLINICIANS PSYCH. DIRECTOR REC
13	720	-----	-----	R	20/1	4	LAUNDRY, SUN, INTERVIEW RECEPT.	A	14	720	-----	-----	R	20/1	4	CLINICIANS PSYCH. DIRECTOR REC
15	-----	1200	-----	R	20/1	1	WASHER	B	16	-----	70	-----	M	20/1	7	VAV 6-1 TO VAV 6-7
17	-----	-----	720	R	20/1	1	DRYER	C	18	-----	-----	1056	M	20/1	2	EF3-3, EF3-9
19	103	-----	-----	M	20/1	1	EF 3-7	A	20	528	-----	-----	M	20/1	1	EF3-4
21	-----	103	-----	M	20/1	1	EF 3-8	B	22	-----	1200	-----	M	20/1	1	B-3
23	-----	-----	1007	M	20/2	1	CU-3-2	C	24	-----	-----	445	M	20/3	1	P-3
25	1007	-----	-----	M	--	--	-----	A	26	445	-----	-----	M	--	--	-----
27	-----	1007	-----	M	20/2	1	CU-3-3	B	28	-----	445	-----	M	--	--	-----
29	-----	-----	1007	M	--	--	-----	C	30	-----	-----	528	M	20/1	1	REF-3-10
31	720	-----	-----	R	20/1	4	ROOF RECEPT	A	32	600	-----	-----	G	20/1	1	DRINKING FOUNTAIN
33	-----	1258	-----	M	20/2	1	CU-3-1	B	34	-----		-----		20/1		SPARE
35	-----	-----	1258	M	--		-----	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED: VA / AMPS — PHASE A = 7123 / 59; PHASE B = 8163 / 68; PHASE C = 8481 / 71; TOTAL = 23767 / 66

L.C.L. @ 125% = 0; RECEPT. ( ) 10 kVA @ 50%) = 10850; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 12067; TOTAL VA = 22917; TOTAL AMPS = 64

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 4H

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 4H — LOCATION BLDG. 4 STORAGE — MAIN 250A, BUS 400A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1090	-----	-----	L	20/1	19	BUILDING 4	A	2	6600	-----	-----		60/3	1	FUTURE WELDER
3	-----		-----		20/1		SPARE	B	4	-----	6600	-----		--	--	-----
5	-----	-----			20/1		SPARE	C	6	-----	-----	6600		--	--	-----
7		-----	-----		20/1		SPARE	A	8	4400	-----	-----		40/3	1	FUTURE AIR COMPRESSOR
9	-----		-----		20/1		SPARE	B	10	-----	4400	-----		--	--	-----
11	-----	-----			20/1		SPARE	C	12	-----	-----	4400		--	--	-----
13		-----	-----		20/1		SPARE	A	14		-----	-----		40/3	1	SPARE
15	-----		-----		20/1		SPARE	B	16	-----		-----		--	--	-----
17	-----	-----			20/1		SPARE	C	18	-----	-----			--	--	-----
19		-----	-----				PROVISION	A	20		-----	-----				PROVISION
21	-----		-----				PROVISION	B	22	-----		-----				PROVISION
23	-----	-----					PROVISION	C	24	-----	-----					PROVISION
25		-----	-----				PROVISION	A	26		-----	-----				PROVISION
27	-----		-----				PROVISION	B	28	-----		-----				PROVISION
29	-----	-----					PROVISION	C	30	-----	-----					PROVISION
31		-----	-----				PROVISION	A	32		-----	-----				PROVISION
33	-----		-----				PROVISION	B	34	-----		-----				PROVISION
35	-----	-----					PROVISION	C	36	-----	-----					PROVISION
37		-----	-----				PROVISION	A	38	2037	-----	-----		70/3	1	TRANSFORMER T4/PANEL 4L
39	-----		-----				PROVISION	B	40	-----	3234	-----		--	--	-----
41	-----	-----					PROVISION	C	42	-----	-----	890		--	--	-----

CONNECTED: VA / AMPS — PHASE A = 14127 / 51; PHASE B = 14234 / 51; PHASE C = 11890 / 43; TOTAL = 40252 / 48

L.C.L. @ 125% = 1363; RECEPT. ( ) 10 kVA @ 50%) = 0; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 39162; TOTAL VA = 40524; TOTAL AMPS = 49

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 4L

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 4L — LOCATION BLDG. 4 STORAGE — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1000	-----	-----	G	20/1	2	WORK ROOM RECEPT	A	2	540	-----	-----	R	20/1	3	OFFICE RECEPT.
3	-----	1000	-----	G	20/1	2	WORK ROOM RECEPT	B	4	-----	1800	-----	R	20/1	1	WORKROOM PLUG STRIP
5	-----	-----	360	R	20/1	2	STORAGE RESTROOM RECEPT.	C	6	-----	-----	528	M	20/1	1	EF4-1
7	432	-----	-----	M	20/2	1	HP-4-1	A	8	65	-----	-----	M	20/1	1	EF4-2
9	-----	432	-----	M	--	--	-----	B	10	-----	2	-----	G	30/2	1	(G) HOT WATER
11	-----	-----			20/1		SPARE	C	12	-----	-----	2	G	--		-----
13		-----	-----		20/1		SPARE	A	14		-----	-----		20/1		SPARE
15	-----		-----		20/1		SPARE	B	16	-----		-----		20/1		SPARE
17	-----	-----			20/1		SPARE	C	18	-----	-----			20/1		SPARE
19		-----	-----				PROVISION	A	20		-----	-----				PROVISION
21	-----		-----				PROVISION	B	22	-----		-----				PROVISION
23	-----	-----					PROVISION	C	24	-----	-----					PROVISION
25		-----	-----				PROVISION	A	26		-----	-----				PROVISION
27	-----		-----				PROVISION	B	28	-----		-----				PROVISION
29	-----	-----					PROVISION	C	30	-----	-----					PROVISION

CONNECTED: VA / AMPS — PHASE A = 2037 / 17; PHASE B = 3234 / 27; PHASE C = 890 / 7; TOTAL = 6162 / 17

L.C.L. @ 125% = 0; RECEPT. ( ) 10 kVA @ 50%) = 2700; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 3462; TOTAL VA = 6162; TOTAL AMPS = 17

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

G - INDICATES BRANCH CIRCUIT BREAKER SHALL BE GFI TYPE.

PANEL 2LA

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 2LA — LOCATION BLDG. 2 ELECTRICAL ROOM — MAIN 150A, BUS 200A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	-----	R	20/1	2	TEL. FUTURE COMM. EQUIPT.	A	2	720	-----	-----	R	20/1	4	EXERCISE, GROUP ROOMS RECEPT.
3	-----	500	-----	R	20/1	2	TEL. FUTURE COMM. EQUIPT.	B	4	-----	720	-----	R	20/1	4	EXERCISE, GROUP ROOMS RECEPT.
5	-----	-----	500	R	20/1	2	TEL. FUTURE COMM. EQUIPT.	C	6	-----	-----	720	R	20/1	4	GROUP MEDITATION ROOMS RECEPT.
7	500	-----	-----	R	20/1	2	TEL. FUTURE COMM. EQUIPT.	A	8	720	-----	-----	R	20/1	4	GROUP MEDITATION ROOMS RECEPT.
9	-----	500	-----	R	20/1	2	TEL. FUTURE COMM. EQUIPT.	B	10	-----	500	-----	R	20/1	2	COMPUTER LAB. RECEPT.
11	-----	-----	720	R	20/1	4	FILE TEL ROOM RECEPT.	C	12	-----	-----	500	R	20/1	2	COMPUTER LAB. RECEPT.
13	600	-----	-----	G	20/1	1	DRINKING FOUNTAIN	A	14	720	-----	-----	R	20/1	4	ARTS & CRAFT GAME ROOMS RECEPT.
15	-----	900	-----	R	20/1	5	LIVING ACTIVITY ROOMS RECEPT.	B	16	-----	720	-----	R	20/1	4	ARTS & CRAFT GAME ROOMS RECEPT.
17	-----	-----	1080	R	20/1	6	HALLS 7,5,4,3, STORAGE RECEPT.	C	18	-----	-----	900	R	20/1	5	GUEST, CLERICAL DIRECTOR RMS REC.
19	1080	-----	-----	R	20/1	6	HALLS 5,3,7 RECEPT.	A	20	900	-----	-----	R	20/1	5	GUEST, CLERICAL DIRECTOR RMS REC.
21	-----	360	-----	R	20/1	2	KITCHEN CASEWORK RECEPT.	B	22	-----	900	-----	R	20/1	5	GUEST, CLERICAL DIRECTOR RMS REC.
23	-----	-----	500	R	20/1	1	COOKING RANGE RECEPT.	C	24	-----	-----	360	R	20/1	2	RECEPTION DESK RECEPT.
25	540	-----	-----	R	20/1	3	KITCHEN RECEPT.	A	26	900	-----	-----	R	20/1	5	RECEPTION, RR, STOR. ELECT RECEPT.
27	-----	1000	-----	R	20/1	1	KITCHEN COUNTER RECEPT.	B	28	-----	720	-----	R	20/1	4	RR JAN ELECT ROOMS RECEPT.
29	-----	-----	1000	R	20/1	1	KITCHEN COUNTER RECEPT.	C	30	-----	-----	2496	R	30/2	1	ELECTRIC OVEN RECEPT.
31	1000	-----	-----	R	20/1	1	KITCHEN COUNTER RECEPT.	A	32	2496	-----	-----	R	--	--	-----
33	-----	1380	-----	R	20/1	1	REFRIGERATOR RECEPT.	B	34	-----	1500	-----	R	20/1	1	MICROWAVE OVEN RECEPT.
35	-----	-----	1650	M	30/1	1	GARBAGE DISPOSAL RECEPT.	C	36	-----	-----	1440	R	20/1	1	DISHWASHER RECEPT.
37	500	-----	-----	R	20/1	1	KITCHEN COUNTER	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED: VA / AMPS — PHASE A = 11176 / 93; PHASE B = 9700 / 81; PHASE C = 11866 / 99; TOTAL = 32742 / 91

L.C.L. @ 125% = 0; RECEPT. ( ) 10 kVA @ 50%) = 20246; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 2250; TOTAL VA = 22496; TOTAL AMPS = 62

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 2LB

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 2LB — LOCATION BLDG. 2 ELECTRICAL RM. — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	80	-----	-----	M	20/1	8	VAV 3-1 TO VAV 3-8	A	2	56	-----	-----	M	20/2	1	FC2-1
3	-----	445	-----	M	20/3	1	P-2	B	4	-----	56	-----	M	--	--	-----
5	-----	-----	445	M	--	--	-----	C	6	-----	-----	250	M	20/2	1	FC2-2
7	445	-----	-----	M	--	--	-----	A	8	250	-----	-----	M	--	--	-----
9	-----	1007	-----	M	20/2	1	CU-2-1	B	10	-----	1056	-----	M	20/1	2	EF-2-1, EF2-2
11	-----	-----	1007	M	--	--	-----	C	12	-----	-----	540	R	20/1	3	ROOF RECEPT.
13	1348	-----	-----	M	30/2	1	CU-2-2	A	14	500	-----	-----	G	20/1	1	GWH ELECTRONIC IGNITION
15	-----	1398	-----	M	--	--	-----	B	16	-----	500	-----		20/1		GEN. CHARGER
17	-----	-----	1000	G	20/1	2	PROJECTOR, PROJECTOR SCRREN	C	18	-----	-----	2500		40/2	1	GEN. CRACK BASE HTR.
19	500	-----	-----	M	20/1	1	CP-1 & CONTROLS	A	20	2500	-----	-----		--	--	-----
21	-----	800	-----	M	20/1	1	CASEWORK VENT-KITCHEN	B	22	-----	1200	-----	M	20/1	1	B-2
23	-----	-----	300	L	20/1	1	LED CANDLES-MEDITATION ROOM	C	24	-----	-----			20/1		SPARE
25		-----	-----		20/1		SPARE	A	26		-----	-----		20/1		SPARE
27	-----		-----		20/1		SPARE	B	28	-----		-----		20/1		SPARE
29	-----	-----			20/1		SPARE	C	30	-----	-----			20/1		SPARE
31		-----	-----				PROVISION	A	32		-----	-----				PROVISION
33	-----		-----				PROVISION	B	34	-----		-----				PROVISION
35	-----	-----					PROVISION	C	36	-----	-----					PROVISION
37		-----	-----				PROVISION	A	38		-----	-----				PROVISION
39	-----		-----				PROVISION	B	40	-----		-----				PROVISION
41	-----	-----					PROVISION	C	42	-----	-----					PROVISION

CONNECTED: VA / AMPS — PHASE A = 5679 / 47; PHASE B = 6462 / 54; PHASE C = 6042 / 50; TOTAL = 18183 / 50

L.C.L. @ 125% = 375; RECEPT. ( ) 10 kVA @ 50%) = 540; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 17343; TOTAL VA = 18258; TOTAL AMPS = 51

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 3ELA

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG FLUSH — PANELBOARD 3ELA — LOCATION BLDG. 3 FIRST FLR GEN. STORAGE RM. — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	900	-----	-----	R	20/1	5	EXTERIOR FIRE ROOM RECEPT.	A	2	500	-----	-----	R	20/1	2	DATA FUTURE EQUIPMENT RECEPT.
3	-----	900	-----	R	20/1	5	ELECT, STOR. EXTERIOR RECEPT.	B	4	-----	500	-----	R	20/1	2	DATA FUTURE EQUIPMENT RECEPT.
5	-----	-----	500	R	20/1	1	IRRIGATION CONTROLLER	C	6	-----	-----	500	R	20/1	2	DATA FUTURE EQUIPMENT RECEPT.
7	900	-----	-----	R	20/1	5	STOR. DINING, DATA HALL 2 REC.	A	8	720	-----	-----	R	20/1	4	BED ROOMS RECEPT.
9	-----	720	-----	R	20/1	4	HALL 2, DINING, LAUNDRY REC.	B	10	-----	720	-----	R	20/1	4	BED ROOMS RECEPT.
11	-----	-----	540	R	20/1	3	ELEV, LIVING RMS RECEPT.	C	12	-----	-----	300	R	20/1	1	SHOWER ROOM 1 RECEPT.
13	900	-----	-----	R	20/1	5	HALL 1, LIVING RM RECEPT.	A	14	300	-----	-----	R	20/1	1	SHOWER ROOM 1 RECEPT.
15	-----	900	-----	R	20/1	5	FOYER, LIVING RM. RECEPT.	B	16	-----	900	-----	R	20/1	5	SUN ROOM JAN. RECEPT.
17	-----	-----	1080	R	20/1	6	RECEPTION, RECORD, NURSE RMS.	C	18	-----	-----	360	R	20/1	2	KITCHEN COUNTER RECEPT.
19	900	-----	-----	R	20/1	5	RECEPTION, RECORD, NURSE RMS.	A	20	360	-----	-----	R	20/1	2	KITCHEN COUNTER RECEPT.
21	-----	360	-----	R	20/1	2	RECEPTION CLERICAL RECEPT.	B	22	-----	360	-----	R	20/1	2	KITCHEN COUNTER RECEPT.
23	-----	-----	1380	K	20/1	1	REFRIGERATOR RECEPT.	C	24	-----	-----	360	R	20/1	2	KITCHEN COUNTER RECEPT.
25	1026	-----	-----	K	20/1	1	RANGE RECEPT, HOOD LIGHTS	A	26	1656	-----	-----	R	30/1	1	GARBAGE DISPOSAL RECEPT.
27	-----	2496	-----	K	30/2	1	ELECTRIC OVEN	B	28	-----	1200	-----	R	20/1	1	WASHER
29	-----	-----	2496	K	--	--	----	C	30	-----	-----	720	R	20/1	1	DRYER
31	1500	-----	-----	R	20/1	1	MICROWAVE OVEN	A	32	1440	-----	-----	M	20/1	1	DISHWASHER
33	-----	330	-----	R	20/1	1	ELEV. LIGHT & RECEPT.	B	34	-----	360	-----	R	20/1	2	LAUNDRY ROOM
35	-----	-----			20/1		SPARE	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED: VA / AMPS — PHASE A = 11102 / 93; PHASE B = 9746 / 81; PHASE C = 8236 / 69; TOTAL = 29084 / 81

L.C.L. @ 125% = 0; RECEPT. ( ) 10 kVA @ 50%) = 15123; KITCHEN @ 65% = 4809; OTHER LOAD @ 100% = 1440; TOTAL VA = 21372; TOTAL AMPS = 59

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 3ELB

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG FLUSH — PANELBOARD 3ELB — LOCATION BLDG. 3 FIRST FLR. GEN. STROAGE RM — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	56	-----	-----	M	20/2	1	FC 3-1	A	2	145	-----	-----	M	20/1	1	EF-3-1
3	-----	56	-----	M	--	--	-----	B	4	-----	145	-----	M	20/1	1	EF3-2
5	-----	-----	56	M	20/2	1	FC 3-2	C	6	-----	-----	80	M	20/1	8	VAV 5-1 TO VAV 5-8
7	56	-----	-----	M	--	--	-----	A	8	100	-----	-----	G	20/1	1	GWH ELECTRONIC IGNITION
9	-----	56	-----	M	20/2	1	FC-3-3	B	10	-----	500	-----	M	20/1	1	CP-1 & CONTROLS
11	-----	-----	56	M	--	--	-----	C	12	-----	-----			20/1		SPARE
13	157	-----	-----	M	20/1	2	EF-3-5, EF-3-6	A	14		-----	-----		20/1		SPARE
15	-----		-----		20/1		SPARE	B	16	-----	80	-----	L	20/1	8	TABLE LIGHTS-BEDROOMS
17	-----	-----			20/1		SPARE	C	18	-----	-----	80	L	20/1	8	TABLE LIGHTS-BEDROOMS
19		-----	-----				PROVISION	A	20		-----	-----				PROVISION
21	-----		-----				PROVISION	B	22	-----		-----				PROVISION
23	-----	-----					PROVISION	C	24	-----	-----					PROVISION
25		-----	-----				PROVISION	A	26		-----	-----				PROVISION
27	-----		-----				PROVISION	B	28	-----		-----				PROVISION
29	-----	-----					PROVISION	C	30	-----	-----					PROVISION
31		-----	-----				PROVISION	A	32		-----	-----				PROVISION
33	-----		-----				PROVISION	B	34	-----		-----				PROVISION
35	-----	-----					PROVISION	C	36	-----	-----					PROVISION
37		-----	-----				PROVISION	A	38		-----	-----				PROVISION
39	-----		-----				PROVISION	B	40	-----		-----				PROVISION
41	-----	-----					PROVISION	C	42	-----	-----					PROVISION

CONNECTED: VA / AMPS — PHASE A = 514 / 4; PHASE B = 837 / 7; PHASE C = 272 / 2; TOTAL = 1623 / 5

L.C.L. @ 125% = 200; RECEPT. ( ) 10 kVA @ 50%) = 0; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 1463; TOTAL VA = 1663; TOTAL AMPS = 5

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 1LA

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 1LA — LOCATION BLDG. 1 ELECTRICAL ROOM — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1080	-----	-----	R	20/1	6	UTILITY, RR, CONF RMS RECEPT	A	2	900	-----	-----	R	20/1	5	EXTERIOR RECEPT.
3	-----	900	-----	R	20/1	5	UTILITY, JAN. CONF RMS RECEPT.	B	4	-----	720	-----	R	20/1	4	COMPUTER LAB. HALL 1 RECEPT.
5	-----	-----	500	R	20/1	2	MPOE-FUTURE COMM. EQUIPT.	C	6	-----	-----	500	R	20/1	2	IDF-FUTURE COMM. EQUIPT.
7	500	-----	-----	R	20/1	2	MPOE-FUTURE COMM. EQUIPT.	A	8	500	-----	-----	R	20/1	2	IDF-FUTURE COMM. EQUIPT.
9	-----	500	-----	R	20/1	2	MPOE-FUTURE COMM. EQUIPT.	B	10	-----	500	-----	R	20/1	2	IDF-FUTURE COMM. EQUIPT.
11	-----	-----	500	R	20/1	2	MPOE-FUTURE COMM. EQUIPT.	C	12	-----	-----	720	R	20/1	4	COMPUTER LAB. RECEPT.
13	500	-----	-----	R	20/1	2	MPOE-FUTURE COMM. EQUIPT.	A	14	720	-----	-----	R	20/1	4	COMPUTER LAB. RECEPT.
15	-----	540	-----	R	20/1	3	CLASSROOM 4 RECEPT.	B	16	-----	720	-----	R	20/1	4	COMPUTER LAB. RECEPT.
17	-----	-----	540	R	20/1	3	CLASSROOM 4 RECEPT.	C	18	-----	-----	540	R	20/1	3	COMPUTER LAB. RECEPT.
19	540	-----	-----	R	20/1	3	CLASSROOM 3 RECEPT.	A	20	540	-----	-----	R	20/1	3	CLASSROOM 2 RECEPT.
21	-----	540	-----	R	20/1	3	CLASSROOM 3 RECEPT.	B	22	-----	540	-----	R	20/1	3	CLASSROOM 2 RECEPT.
23	-----	-----	720	R	20/1	4	MULTI-PURPOSE ROOM RECEPT.	C	24	-----	-----	540	R	20/1	3	CLASSROOM 1 RECEPT.
25	540	-----	-----	R	20/1	3	MULTI-PURPOSE ROOM RECEPT.	A	26	540	-----	-----	R	20/1	3	CLASSROOM 1 RECEPT.
27	-----	1000	-----	R	20/1	2	PROJECTORS-C.R. 3 & 4	B	28	-----	90	-----	M	20/1	9	VAV 2-1 TO VAV 2-9
29	-----	-----	1000	R	20/1	2	PROJECTORS-C.R. 1 & 2	C	30	-----	-----	312	M	20/2	1	FCU1-1
31	500	-----	-----	R	20/1	1	PROJECTOR-MULTI-PURPOSE	A	32	312	-----	-----	M	--	--	-----
33	-----	500	-----	R	20/1	1	PROJECTOR-COMPUTER LAB	B	34	-----	200	-----	R	30/1	1	MPOE
35	-----	-----	360	R	20/1	2	ROOF RECEPT.	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED: VA / AMPS — PHASE A = 7172 / 60; PHASE B = 6750 / 56; PHASE C = 6232 / 52; TOTAL = 20154 / 56

L.C.L. @ 125% = 0; RECEPT. ( ) 10 kVA @ 50%) = 14720; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 714; TOTAL VA = 15434; TOTAL AMPS = 43

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 1LB

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 1LB — LOCATION BLDG. 1 ELECTRICAL ROOM — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1986	-----	-----	M	30/2	1	CU-1-1	A	2	445	-----	-----	M	20/3	1	P-1
3	-----	1986	-----	M	--	--	-----	B	4	-----	445	-----	M	--	--	-----
5	-----	-----	1200	M	20/1	1	B-1	C	6	-----	-----	445	M	--	--	-----
7	720	-----	-----	R	20/1	4	OFFICES 114-117	A	8	2000	-----	-----	G	30/3	1	EWH-1
9	-----	720	-----	R	20/1	4	OFFICES 114-117	B	10	-----	2000	-----	G	--	--	-----
11	-----	-----			20/1		SPARE	C	12	-----	-----	2000	G	--	--	-----
13	500	-----	-----	R	20/1	1	CLASSROOM 1	A	14	500	-----	-----	R	20/1	1	CLASSROOM 2
15	-----	500	-----	R	20/1	1	CLASSROOM 3	B	16	-----	500	-----	R	20/1	1	CLASSROOM 4
17	-----	-----	500	R	20/1	1	CLASSROOM 5	C	18	-----	-----	500	R	20/1	1	MULTI PURPOSE ROOM
19	360	-----	-----	R	20/1	2	CLASSROOM 4	A	20	360	-----	-----	R	20/1	2	CLASSROOM 3
21	-----	360	-----	R	20/1	2	CLASSROOM 4	B	22	-----	360	-----	R	20/1	2	CLASSROOM 3
23	-----	-----	360	R	20/1	2	CLASSROOM 4	C	24	-----	-----	360	R	20/1	2	CLASSROOM 3
25	360	-----	-----	R	20/1	2	CLASSROOM 2	A	26	360	-----	-----	R	20/1	2	CLASSROOM 1
27	-----	360	-----	R	20/1	2	CLASSROOM 2	B	28	-----	360	-----	R	20/1	2	CLASSROOM 1
29	-----	-----	360	R	20/1	2	CLASSROOM 2	C	30	-----	-----	360	R	20/1	2	CLASSROOM 1
31		-----	-----		20/1		SPARE	A	32		-----	-----		20/1		SPARE
33	-----		-----		20/1		SPARE	B	34	-----		-----		20/1		SPARE
35	-----	-----			20/1		SPARE	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED: VA / AMPS — PHASE A = 7591 / 63; PHASE B = 7591 / 63; PHASE C = 6085 / 51; TOTAL = 21267 / 59

L.C.L. @ 125% = 0; RECEPT. ( ) 10 kVA @ 50%) = 8760; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 12507; TOTAL VA = 21267; TOTAL AMPS = 59

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 1LC

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG FLUSH — PANELBOARD 1LC — LOCATION BLDG. 1 GROUP OFFICE — MAIN 100A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	-----	R	20/1	2	TEL/STOR. FUTURE COMM. EQUIPT.	A	2	1000	-----	-----	R	20/1	2	FUTURE STAGE SHOW RECEPT.
3	-----	1000	-----	L	20/1	1	FUTURE STAGE AREA RECEPT	B	4	-----	1000	-----	R	20/1	2	FUTURE STAGE SHOW RECEPT.
5	-----	-----	1000	L	20/1	1	FUTURE STAGE AREA RECEPT	C	6	-----	-----	800	R	20/1	1	BREAK ROOM REFRIGERATOR
7	540	-----	-----	R	20/1	3	RESTROOMS BREAK ROOM	A	8	1000	-----	-----	R	20/1	1	BREAK ROOM COUNTER RECEPT.
9	-----	360	-----	R	20/1	2	GROUP OFFICE AREA RECEPT.	B	10	-----	1000	-----	R	20/1	1	BREAK ROOM COUNTER RECEPT.
11	-----	-----	540	R	20/1	3	GROUP OFFICE AREA RECEPT.	C	12	-----	-----	360	R	20/1	2	WORKROOM RECEPT.
13	720	-----	-----	R	20/1	4	BENEFIT SUPPORT ROOM RECEPT.	A	14	360	-----	-----	R	20/1	2	WORKROOM RECEPT.
15	-----	720	-----	R	20/1	4	BENEFIT SUPPORT ROOM RECEPT.	B	16	-----	360	-----	R	20/1	2	WORKROOM RECEPT.
17	-----	-----	900	R	20/1	5	CONF., PROGRAM SUPU. RECEPT.	C	18	-----	-----	360	R	20/1	2	GROUP OFFICE RECEPT.
19	900	-----	-----	R	20/1	5	CONF., PROGRAM SUPU. RECEPT.	A	20	360	-----	-----	R	20/1	2	GROUP OFFICE RECEPT.
21	-----	360	-----	R	20/1	2	WORK SUPPORT ROOMS RECEPT.	B	22	-----	360	-----	R	20/1	2	GROUP OFFICE RECEPT.
23	-----	-----	540	R	20/1	3	WORK SUPPORT TEL. RMS RECEPT.	C	24	-----	-----	50	M	20/1	5	VAV 1-1 TO VAV 1-5
25	360	-----	-----	R	20/1	2	WORKROOM RECEPT.	A	26	180	-----	-----	R	20/1	1	ROOF RECEPT.
27	-----	2000	-----	R	30/3	1	EWH-2	B	28	-----	130	-----	M	20/1	2	EF-1-1, EF 1-2
29	-----	-----	2000	R	--	--	-----	C	30	-----	-----	1000	L	20/1	2	FUTURE STAGE AREA LIGHTS
31	2000	-----	-----	R	--	--	-----	A	32	1656	-----	-----	M	30/1	1	GARBAGE DISPOSAL
33	-----	360	-----	R	20/1	2	TEL/STOR.	B	34	-----	360	-----	R	20/1	2	TEL. STOR.
35	-----	-----	600	R	20/1	1	MICROWAVE	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED: VA / AMPS — PHASE A = 9576 / 80; PHASE B = 8010 / 67; PHASE C = 8150 / 68; TOTAL = 25736 / 71

L.C.L. @ 125% = 3750; RECEPT. ( ) 10 kVA @ 50%) = 15450; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 1836; TOTAL VA = 21036; TOTAL AMPS = 58

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

PANEL 1LSL

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208, PHASE 3PH, 4W, MTG SURFACE — PANELBOARD 1LSL — LOCATION BLDG. 1 ELECTRICAL RM. — MAIN 60A, BUS 100A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION	PH	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	-----	M	20/1	1	FIRE ALARM PANEL	A	2	300	-----	-----	L	20/1		GENERATOR LTS. &RECEPT.
3	-----	500	-----	G	20/1	1	TRIDIUM EC-NET	B	4	-----	510	-----	G	20/1	1	FA TAMPER & FLOW SWITCHES
5	-----	-----	360	R	20/1	2	BMS MONITOR, PC	C	6	-----	-----	600	G	20/1	1	SECURITY DOOR HARDWARE
7	1200	-----	-----	G	20/1	1	ADA LIFT-AMPHITHEATER	A	8		-----	-----		20/1		SPARE
9	-----		-----		20/1		SPARE	B	10	-----		-----		20/1		SPARE
11	-----	-----			20/1		SPARE	C	12	-----	-----			20/1		SPARE
13		-----	-----				PROVISION	A	14		-----	-----				PROVISION
15	-----		-----				PROVISION	B	16	-----		-----				PROVISION
17	-----	-----					PROVISION	C	18	-----	-----					PROVISION
19		-----	-----				PROVISION	A	20		-----	-----				PROVISION
21	-----		-----				PROVISION	B	22	-----		-----				PROVISION
23	-----	-----					PROVISION	C	24	-----	-----					PROVISION
25		-----	-----				PROVISION	A	26		-----	-----				PROVISION
27	-----		-----				PROVISION	B	28	-----		-----				PROVISION
29	-----	-----					PROVISION	C	30	-----	-----					PROVISION

CONNECTED: VA / AMPS — PHASE A = 2000 / 17; PHASE B = 1010 / 8; PHASE C = 960 / 8; TOTAL = 3970 / 11

L.C.L. @ 125% = 375; RECEPT. ( ) 10 kVA @ 50%) = 360; KITCHEN @ 65% = 0; OTHER LOAD @ 100% = 3310; TOTAL VA = 4045; TOTAL AMPS = 11

LOAD TYPE: G - GENERAL (100%); L - L.C.L. (125%); R - RECEPTACLE (50%) (10 kVA @ 100%); K - KITCHEN (65%); M - MOTOR (100%); M1 - MOTOR (125%); X - X-RAY (100%); X1 - X-RAY (50%)

Filename: I:\446\025\E-0.5_446025.DWG (RHarrier) Dimscale: 1=1(PS) Date: NOV 02, 2009 Time: 10:42 AM Xrefs: x401 keyplan, x0742 BDR

0742 COUNTY OF ORANGE HEALTH CARE AGENCY 401 SOUTH TUSTIN STREET

County of Orange — OC PUBLIC WORKS — Architecture & Engineering

Revisions — 0742 — Sym. | Descrip. | Date | By

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Design RH — Chkd. JP — Date Nov. 26, 2009

Sht Title PANEL SCHEDULES

Project COUNTY OF ORANGE HEALTH CARE AGENCY 401 SOUTH TUSTIN STREET

401 SOUTH TUSTIN STREET ORANGE, CA 92866

PROJ. NO. 100-042-P210-4200

Plan No. 52333-03608

Sheet E-0.5