OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 120/208 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 2LSL — LOCATION BLDG. 2 ELECTRICAL RM. — MAIN 60A · BUS 100A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	500	-----	-----	G	20/1	1	FIRE ALARM CONTROL PANEL
3	-----	500	-----	G	20/1	1	TRIDIUM, EC-NET
5	-----	-----			20/1		SPARE
7		-----	-----		20/1		SPARE
9	-----		-----		20/1		SPARE
11	-----	-----			20/1		SPARE
13		-----	-----		20/1		SPARE
15	-----		-----		20/1		SPARE
17	-----	-----			20/1		SPARE
19		-----	-----		20/1		SPARE
21	-----		-----				PROVISION
23	-----	-----					PROVISION
25		-----	-----				PROVISION
27	-----		-----				PROVISION
29	-----	-----					PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	500	-----	-----	G	20/1	1	FA TAMPER & FLOW SWITCHES
B	4	-----	600	-----	G	20/1	2	SECURITY DOOR HARDWARE
C	6	-----	-----			20/1		SPARE
A	8		-----	-----		20/1		SPARE
B	10	-----		-----		20/1		SPARE
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----		-----		20/1		SPARE
C	18	-----	-----			20/1		SPARE
A	20		-----	-----		20/1		SPARE
B	22	-----		-----				PROVISION
C	24	-----	-----					PROVISION
A	26		-----	-----				PROVISION
B	28	-----		-----				PROVISION
C	30	-----	-----					PROVISION

CONNECTED: VA AMPS
PHASE A = 1000 8
PHASE B = 1100 9
PHASE C = 0 0
TOTAL = 2100 6

L.C.L. @ 125% = 0
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 2100
TOTAL VA = 2100
TOTAL AMPS = 6

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

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 3EH — LOCATION BLDG. 3 GEN. STORAGE — MAIN 150A · BUS 200A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1260	-----	-----	L	20/1	17	GEN. STOR, LOCKER, LAUNDRY
3	-----	300	-----	L	20/1	5	TEL/ELEC, FIRE RISER
5	-----	-----	496	L	20/1	9	TOILETS, LAUNDRY, STOR, KITCHEN
7	424	-----	-----	L	20/1	12(D)	LIVING 3-109, FOYER 3-100
9	-----	421	-----	L	20/1	12(D)	BED 7/8, SHOWER 2, BED 5/6
11	-----	-----	738	L	20/1	16(D)	BALCONY, LIVING 3-215, HALLS
13	281	-----	-----	L	20/1	8 (D)	SUN ROOM 3-219, STAIR 1
15	-----	421	-----	L	20/1	12(D)	BED 9, SHOWER 3, BED 10/11
17	-----	-----	1711	L	20/1	9 (D)	PARKING LIGHTS
19	1711	-----	-----	L	20/1	9 (D)	PARKING LIGHTS
21	-----	306	-----	L	20/1	7 (D)	FOYER 3-100, RECEPT/CLERICAL
23	-----	-----			20/1		SPARE
25		-----	-----		20/1		SPARE
27	-----		-----		20/1		SPARE
29	-----	-----			20/1		SPARE

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	420	-----	-----	L	20/1	.7	OFFICES, ELEVATOR RM LTS
B	4	-----	500	-----	L	20/1	1	PANEL '3LCP'
C	6	-----	-----			20/1		SPARE
A	8	696	-----	-----	L	20/1	19(D)	DINING 3-123, SUN RM 3-118
B	10	-----	421	-----	L	20/1	12(D)	BED 3/4, SHOWER 1, BED 1/2
C	12	-----	-----	420	L	20/1	3 (D)	OPEN SPACE HIGH PENDANT
A	14	200	-----	-----	L	20/1	4 (D)	HALL 3 UPLIGHTS
B	16	-----	421	-----	L	20/1	12(D)	BED 12/13, SHOWER 4, BED 14/15
C	18	-----	-----	1000	L	20/1	8 (D)	POST LIGHTS
A	20	720	-----	-----	L	20/1	8 (D)	EXT'R INGRADE SPOT, WALL WASH
B	22	-----	510	-----	L	20/1	6 (D)	BALCONY EXTR' DWN. LTS.
C	24	-----	-----			20/1		SPARE
A	26		-----	-----		20/1		SPARE
B	28	-----		-----		20/1		SPARE
C	30	-----	-----			20/1		SPARE

CONNECTED: VA AMPS
PHASE A = 5712 21
PHASE B = 3300 12
PHASE C = 4365 16
TOTAL = 13377 16

L.C.L. @ 125% = 16721
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 0
TOTAL VA = 16721
TOTAL AMPS = 20

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

D - INDICATES CIRCUIT ROUTED THROUGH LIGHTING CONTROL PANEL 3LCP.

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 3LSH — LOCATION BLDG. 3 ELECTRICAL ROOM — MAIN 60A · BUS 100A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	606	-----	-----	L	20/1	13(D)	EXT'R SCONCES, PATIO WALL SCONCES
3	-----	351	-----	L	20/1	4 (D)	STAIR ST2, STAIR 3 ST2,
5	-----	-----	91	L	20/1	2 (D)	HALL 3
7	500	-----	-----	L	20/1	1	PANEL '3LCP' (E)
9	-----		-----		20/1		SPARE
11	-----	-----			20/1		SPARE
13		-----	-----				PROVISION
15	-----		-----				PROVISION
17	-----	-----					PROVISION
19		-----	-----				PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	336	-----	-----	L	20/1	9 (D)	LIVING RM DWN LTS, FOYER 3-100
B	4	-----	420	-----	L	20/1	12	LIVING RM DWN LTS, HALLS 4,5,6,7
C	6	-----	-----	106	L	20/1	3 (D)	STAIR 3 ST1
A	8	100	-----	-----	L	20/1	1	EMERGENCY LIGHTS
B	10	-----		-----		20/1		SPARE
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----	1800	-----		30/3		TRANSFORMER T3LS/PANEL 3LSL
C	18	-----	-----	880		--		-----
A	20	800	-----	-----		--		-----

CONNECTED: VA AMPS
PHASE A = 2342 8
PHASE B = 2571 9
PHASE C = 1077 4
TOTAL = 5990 7

L.C.L. @ 125% = 3138
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 3480
TOTAL VA = 6618
TOTAL AMPS = 8

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

D - INDICATES CIRCUIT ROUTED THROUGH LIGHTING CONTROL PANEL 3LCP(E).

OC PUBLIC WORKS — PROJECT NO. 446.025

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

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1000	-----	-----	L	20/1		ELEVATOR CAR LIGHTS
3	-----	80	-----	G	20/1	2	FIRE SMOKE DAMPERS
5	-----	-----	500	G	20/1	1	FA TAMPER & FLOW SWITCHES
7		-----	-----		20/1		SPARE
9	-----		-----		20/1		SPARE
11	-----	-----			20/1		SPARE
13		-----	-----		20/1		SPARE
15	-----		-----		20/1		SPARE
17	-----	-----			20/1		SPARE
19		-----	-----		20/1		SPARE
21	-----		-----				PROVISION
23	-----	-----					PROVISION
25		-----	-----				PROVISION
27	-----		-----				PROVISION
29	-----	-----					PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	500	-----	-----	G	20/1	1	FIRE ALARM CONTROL PANEL
B	4	-----	500	-----	G	20/1	1	TRIDIUM, EC-NET
C	6	-----	-----	300	G	20/1	1	SECURITY DOOR HARDWARE
A	8	300	-----	-----	G	20/1	1	SECURITY DOOR HARDWARE
B	10	-----	300	-----	G	20/1	1	SECURITY DOOR HARDWARE
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----		-----		20/1		SPARE
C	18	-----	-----			20/1		SPARE
A	20		-----	-----		20/1		SPARE
B	22	-----		-----				PROVISION
C	24	-----	-----					PROVISION
A	26		-----	-----				PROVISION
B	28	-----		-----				PROVISION
C	30	-----	-----					PROVISION

CONNECTED: VA AMPS
PHASE A = 1800 15
PHASE B = 880 7
PHASE C = 800 7
TOTAL = 3480 10

L.C.L. @ 125% = 1250
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 2480
TOTAL VA = 3730
TOTAL AMPS = 10

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

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 1H — LOCATION BLDG. 1 ELECTRICAL ROOM — MAIN 200A · BUS 200A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1740	-----	-----	L	20/1	22	OFFICES, RR, UTILITY ROOMS
3	-----	1740	-----	L	20/1	22	OFFICES, RR, BREAK, CONF. ROOMS
5	-----	-----	540	L	20/1	9 (D)	HALL 1-113, OFFICE 1-105
7	482	-----	-----	L	20/1	13(D)	EXTR WALLWASH, STEP LIGHTS
9	-----	155	-----	L	20/1	3	ROOF ACCESS ROOM
11	-----	-----			20/1		SPARE
13		-----	-----		20/1		SPARE
15	-----		-----		20/1		SPARE
17	-----	-----			20/1		SPARE
19		-----	-----		20/1		SPARE
21	-----		-----				PROVISION
23	-----	-----					PROVISION
25		-----	-----				PROVISION
27	-----		-----				PROVISION
29	-----	-----					PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	3000	-----	-----	L	20/1		CLASSROOM 4 COMPUTER LAB
B	4	-----	3000	-----	L	20/1		CLASSROOM 2 & 3
C	6	-----	-----	3000	L	20/1		CLASSROOM 1 & MULTI-PURPOSE RM.
A	8	696	-----	-----	L	20/1	11(D)	EXTERIOR SCONCES
B	10	-----	500	-----	L	20/1		PANEL '1LCP'
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----		-----		20/1		SPARE
C	18	-----	-----			20/1		SPARE
A	20		-----	-----				PROVISION
B	22	-----		-----				PROVISION
C	24	-----	-----					PROVISION
A	26		-----	-----				PROVISION
B	28	-----		-----				PROVISION
C	30	-----	-----					PROVISION

CONNECTED: VA AMPS
PHASE A = 5918 21
PHASE B = 5395 19
PHASE C = 3540 13
TOTAL = 14853 18

L.C.L. @ 125% = 18566
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 0
TOTAL VA = 18566
TOTAL AMPS = 22

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

D - INDICATES CIRCUIT ROUTED THROUGH LIGHTING CONTROL PANEL 1LCP.

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 1LSH — LOCATION BLDG. 1 ELECTRICAL ROOM — MAIN 60A · BUS 100A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1052	-----	-----	L	20/1	23(D)	OFF 1-105, CTR LTS, HALL 1
3	-----	500	-----	L	20/1	1	PANEL '1LCP' (E)
5	-----	-----			20/1		SPARE
7		-----	-----		20/1		SPARE
9	-----		-----		20/1		SPARE
11	-----	-----			20/1		SPARE
13		-----	-----				PROVISION
15	-----		-----				PROVISION
17	-----	-----					PROVISION
19		-----	-----				PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	630	-----	-----	L	20/1	14(D)	EXT'R SCONCES NORTH & SOUTH
B	4	-----	100	-----	L	20/1	1	EMERGENCY LIGHT
C	6	-----	-----			20/1		SPARE
A	8		-----	-----		20/1		SPARE
B	10	-----		-----		20/1		SPARE
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----	2000	-----		30/3		TRANSFORMER T1LS/PANEL 1LSL
C	18	-----	-----	1010		--		-----
A	20	960	-----	-----		--		-----

CONNECTED: VA AMPS
PHASE A = 2642 10
PHASE B = 2600 9
PHASE C = 1010 4
TOTAL = 6252 8

L.C.L. @ 125% = 2853
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 3970
TOTAL VA = 6823
TOTAL AMPS = 8

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

D - INDICATES CIRCUIT ROUTED THROUGH LIGHTING CONTROL PANEL 1LCP(E).

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 2H — LOCATION BLDG. 2 ELECTRICAL ROOM — MAIN 200A · BUS 200A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	840	-----	-----	L	20/1	14	ELECT'L FILE, STORAGE, GUEST
3	-----	1080	-----	L	20/1	12	GROUP ROOMS
5	-----	-----	1870	L	20/1	28	GAME, ART, COMPUTER, REST RM
7	840	-----	-----	L	20/1	7 (D)	LIVING/ACTIVITY ROOMS
9	-----	481	-----	L	20/1	11(D)	HALL 6, 2-110, RM 2-103, 2-111
11	-----	-----			20/1		SPARE
13		-----	-----		20/1		SPARE
15	-----		-----		20/1		SPARE
17	-----	-----			20/1		SPARE
19		-----	-----		20/1		SPARE
21	-----		-----				PROVISION
23	-----	-----					PROVISION
25		-----	-----				PROVISION
27	-----		-----				PROVISION
29	-----	-----					PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	500	-----	-----	L	20/1	1	PANEL '2LCP'
B	4	-----	240	-----	L	20/1	4	STORAGE ROOM
C	6	-----	-----			20/1		SPARE
A	8	480	-----	-----	L	20/1	12(D)	LOBBY/RECEPTION LIGHTS
B	10	-----	180	-----	L	20/1	4 (D)	EXTERIOR DOWNLIGHTS
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----		-----		20/1		SPARE
C	18	-----	-----			20/1		SPARE
A	20		-----	-----				PROVISION
B	22	-----		-----				PROVISION
C	24	-----	-----					PROVISION
A	26		-----	-----				PROVISION
B	28	-----		-----				PROVISION
C	30	-----	-----					PROVISION

CONNECTED: VA AMPS
PHASE A = 2660 10
PHASE B = 1981 7
PHASE C = 1870 7
TOTAL = 6511 8

L.C.L. @ 125% = 8139
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 0
TOTAL VA = 8139
10

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

D - INDICATES CIRCUIT ROUTED THROUGH LIGHTING CONTROL PANEL 2LCP.

OC PUBLIC WORKS — PROJECT NO. 446.025

VOLTS 277/480 · PHASE 3PH, 4W · MTG SURFACE — PANELBOARD 2LSH — LOCATION BLDG. 2 ELECTRICAL ROOM — MAIN 60A · BUS 100A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	240	-----	-----	L	20/1	4	ELECTRICAL ROOM
3	-----	180	-----	L	20/1	6	RECEPTION LTS
5	-----	-----	840	L	20/1	6 (D)	LIVING/ACTIVITY ROOMS
7	500	-----	-----	L	20/1	1	PANEL '2LCP' (E)
9	-----		-----		20/1		SPARE
11	-----	-----			20/1		SPARE
13		-----	-----				PROVISION
15	-----		-----				PROVISION
17	-----	-----					PROVISION
19		-----	-----				PROVISION

PH	CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	16	-----	-----	L	20/1	4	EXIT LTS
B	4	-----	366	-----	L	20/1	7 (D)	EXTERIOR SCONCES
C	6	-----	-----	580	L	20/1	5	LIVING/ACTIVITY ROOMS
A	8	100	-----	-----	L	20/1	1	EMERGENCY LIGHT
B	10	-----		-----		20/1		SPARE
C	12	-----	-----			20/1		SPARE
A	14		-----	-----		20/1		SPARE
B	16	-----	1100	-----		30/3		TRANSFORMER T2LS/PANEL 2LSL
C	18	-----	-----	0		--		-----
A	20	1000	-----	-----		--		-----

CONNECTED: VA AMPS
PHASE A = 1856 7
PHASE B = 1646 6
PHASE C = 1420 5
TOTAL = 4922 6

L.C.L. @ 125% = 3528
RECEPT. ( ) 10 kVA @ 50%) = 0
KITCHEN @ 65% = 0
OTHER LOAD @ 100% = 2100
TOTAL VA = 5628
TOTAL AMPS = 7

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

D - INDICATES CIRCUIT ROUTED THROUGH LIGHTING CONTROL PANEL 2LCP.

County of Orange
OC PUBLIC WORKS
Architecture & Engineering

Revisions
0742
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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-0.6

0742 COUNTY OF ORANGE HEALTH CARE AGENCY 401 SOUTH TUSTIN STREET

Filename: I:\446\025\E-0.6_446025.DWG (JVega)
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Xrefs: x401 keyplan, x0742 BDR