PANEL: BHA

VOLT : 480Y/277V 3 PHASE, 4 WIRE
BUS : 100 AMP
MAIN : 100A, 3P
FED FROM : MSBA

NEW
SURFACE MOUNTED
22 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
* VIVARIUM CORRIDOR B302 LTG	1	142		L	20	1	2612			1	20	L		2470	2	VIVARIUM LTG
VIVARIUM LTG	3	1745		L	20	1		5141		1	20	L		3396	4	VIVARIUM LTG
VIVARIUM LTG	5	1745		L	20	1			2730	1	20	L		985	6	CORR B303, B304, B307, B308 LTG *
* VIVARIUM CORRIDOR B306 LTG	7	142		L	20	1	710			1	20	L		568	8	VIVARIUM CORR B309 & B310 LTG *
VIVARIUM LTG	9	2194		L	20	1		3822		1	20	L		1628	10	INTERSTITIAL SPACE LTG
VIVARIUM LTG	11	1751		L	20	1			4031	1	20	L		2280	12	B501-B505, B701-B705 ANIMAL LTG *
VIVARIUM LTG	13	2822		L	20	1	4936			1	20	L		2114	14	B115-B117,B506-B509,B511,B717 LTG *
VIVARIUM LTG	15	1648		L	20	1		3244		1	20	L		1596	16	B706-B709, B711 ANIMAL LTG *
VIVARIUM LTG	17	1522		L	20	1			1522	1	20				18	SPARE
VIVARIUM LTG	19	2201		L	20	1	2201			1	20				20	SPARE
SPARE	21				20	1		0		1	20				22	SPARE
SPARE	23				20	1			0	1	20				24	SPARE
SPARE	25				20	1	0			1	20				26	SPARE
SPARE	27				20	1		0		1	20				28	SPARE
SPARE	29				20	1			0	1	20				30	SPARE
	31						0								32	
	33							0							34	
	35								0						36	
	37						0								38	
	39							0							40	
	41								0						42	
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							10459	12207	8283	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	38686	VA	30949	VA	31	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		0	VA	0	VA	39	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	37	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		0	VA	0	VA	47	TOTAL DESIGN AMPS

* ROUTE CIRCUIT VIA LIGHTING CONTROL PANEL "LCP-B".

PANEL: 1LPA

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
LAB 1101 NEMA 6-20R	1	1600			20	2	2140			2	20			540	2	LAB 1101
-	3	1600			-	-		2140		-	-			540	4	LAB 1101
LAB 1101	5	540			20	2			720	1	20	R	1	180	6	LAB 1101 DED. RECEPT.
LAB 1101	7	540			-	-	2140			2	20			1600	8	LAB 1101 NEMA 6-20R
LAB 1101 DED. RECEPT.	9	180	1	R	20	1		1780		-	-			1600	10	-
SPARE	11				20	1			1600	2	20			1600	12	LAB 1102 NEMA 6-20R
LAB 1101	13	720			20	1	2320			-	-			1600	14	-
LAB 1101	15	720			20	1		1260		2	20			540	16	LAB 1102
LAB 1101 DED. RECEPT.	17	180	1	R	20	1			720	-	-			540	18	LAB 1102
LAB 1101 DED. RECEPT.	19	180	1	R	20	1	360			1	20	R	1	180	20	LAB 1102 DED. RECEPT.
LAB 1102	21	720			20	1		2320		2	20			1600	22	LAB 1102 NEMA 6-20R
LAB 1102	23	720			20	1			2320	-	-			1600	24	-
LAB 1102 DED. RECEPT.	25	180	1	R	20	1	720			2	20			540	26	LAB 1102
LAB 1102 DED. RECEPT.	27	180	1	R	20	1		720		-	-			540	28	LAB 1102
LAB 1102 NEMA 6-30R	29	2500			30	2			2680	1	20	R		180	30	LAB 1102 DED. RECEPT.
-	31	2500			-	-	2500			1	20				32	SPARE
LAB 1102 NEMA 6-30R	33	2500			30	2		5000		2	30			2500	34	LAB 1101 NEMA 6-30R
-	35	2500			-	-			5000	-	-			2500	36	-
DOOR CARD READERS	37	200			20	1	2700			2	30			2500	38	LAB 1101 NEMA 6-30R
SPARE	39				20	1		2500		-	-			2500	40	-
SPARE	41				20	1			0	1	20				42	SPARE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							12880	15720	13040	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	42	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		1440	VA	1440	VA	42	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	116	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		40200	VA	40200	VA	116	TOTAL DESIGN AMPS

PANEL: 1LPB

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 100 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
22 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
LAB SUPPORT 1301	1	600			20	1	1140			2	20			540	2	LAB 1103
LAB SUPPORT 1301	3	600			20	1		1140		-	-			540	4	LAB 1103
LAB SUPPORT 1301	5	600			20	1			1140	2	20			540	6	LAB 1103
LAB SUPPORT 1301	7	600			20	1	1140			-	-			540	8	LAB 1103
LAB SUPPORT 1301	9	540	3	R	20	1		900		1	20	R	2	360	10	LAB GEN. RECEPTACLES
LAB SUPPORT 1301	11	540	3	R	20	1			1040	1	20			500	12	WATER POLISHER
LAB SUPPORT 1301	13	540	3	R	20	1	1040			1	20			500	14	WATER POLISHER
LER ICE FLAKER	15	1320			20	1		1820		1	20			500	16	WATER POLISHER
LER NEMA 6-30R	17	2500			30	2			2500	1	20				18	SPARE
-	19	2500			-	-	2500			1	20				20	SPARE
SPARE	21				20	1		0		1	20				22	SPARE
SPARE	23				20	1			0	1	20				24	SPARE
SPARE	25				20	1	0			1	20				26	SPARE
SPARE	27				20	1		0		1	20				28	SPARE
SPARE	29				20	1			0	1	20				30	SPARE
	31						0								32	
	33							0							34	
	35								0						36	
	37						0								38	
	39							0							40	
	41								0						42	
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							5820	3860	4680	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	14	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		1980	VA	1980	VA	14	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	40	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		12380	VA	12380	VA	40	TOTAL DESIGN AMPS

PANEL: 1LPC

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
22 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
SPARE	1				20	1	540			1	20	R	3	540	2	FUME HOOD RECEPT.
ENTRY DED 208V	3	2500			30	2		3040		1	20	R	3	540	4	FUME HOOD RECEPT.
-	5	2500			-	-			3040	1	20	R	3	540	6	FUME HOOD RECEPT.
ENTRY DED 208V	7	1600			20	2	2140			1	20	R	3	540	8	TISSUE 1305 RECEPT.
-	9	1600			-	-		3088		1	20			1488	10	TISSUE 1305 BSC
ENTRY RECEPT.	11	600			20	1			2088	1	20			1488	12	TISSUE 1305 BSC
ENTRY RECEPT.	13	600			20		2088			1	20			1488	14	TISSUE 1305 BSC
ENTRY DED 208V	15	1600			20	2		2200		1	20			600	16	ENTRY RECEPT.
-	17	1600			-	-			2800	1	20			1200	18	ENTRY RECEPT.
ENTRY DED 208V	19	2500			30	2	5000			2	30			2500	20	ENTRY DED 208V
-	21	2500			-	-		5000		-	-			2500	22	-
ENTRY RECEPT.	23	600			20	1			2200	2	20			1600	24	ENTRY DED 208V
ENTRY RECEPT.	25	600			20	1	2200			-	-			1600	26	-
TISSUE BSC	27	1488			20	1		3088		2	20			1600	28	ENTRY DED 208V
TISSUE BSC	29	1488			20	1			3088	-	-			1600	30	-
TISSUE BSC	31	1488			20	1	3988			2	30			2500	32	ENTRY DED 208V
TISSUE RECEPT.	33	540	3	R	20	1		3040		-	-			2500	34	-
SPARE	35				20	1			1600	1	20			1600	36	FUME HOOD 1304 FUME HOOD
SPARE	37				20	1	600			1	20			600	38	ENTRY RECEPT.
SPARE	39				20	1		600		1	20			600	40	ENTRY RECEPT.
SPARE	41				20	1			0	1	20				42	SPARE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							16556	20056	14816	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	51	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		2700	VA	2700	VA	51	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	143	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		48728	VA	48728	VA	143	TOTAL DESIGN AMPS

PANEL: 1LPD

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
LAB 1103	1	540			20	2	1080			2	20			540	2	LAB 1105
LAB 1103	3	540			-	-		1080		-	-			540	4	LAB 1105
LAB 1104	5	540			20	2			1080	2	20			540	6	LAB 1106
LAB 1104	7	540			-	-	1080			-	-			540	8	LAB 1106
LAB 1103	9	540			20	2		1080		2	20			540	10	LAB 1105
LAB 1103	11	540			-	-			1080	-	-			540	12	LAB 1105
LAB 1104	13	540			20	2	1080			2	20			540	14	LAB 1106
LAB 1104	15	540			-	-		1080		-	-			540	16	LAB 1106
LAB 1104	17	540			20	2			1080	2	20			540	18	LAB 1106
LAB 1104	19	540			-	-	1080			-	-			540	20	LAB 1106
LAB 1105	21	540			20	2		1080		2	20			540	22	LAB 1106
LAB 1105	23	540			-	-			1080	-	-			540	24	LAB 1106
LAB 1104	25	540			20	2	540			2	20				26	SPARE
LAB 1104	27	540			-	-		540		-	-				28	-
LAB 1105	29	540			20	2			540	1	20				30	SPARE
LAB 1105	31	540			-	-	540			1	20				32	SPARE
SPARE	33				20	2		0		1	20				34	SPARE
-	35				-	-			0	1	20				36	SPARE
SPARE	37				20	1	0			1	20				38	SPARE
SPARE	39				20	1		0		1	20				40	SPARE
SPARE	41				20	1			0	1	20				42	SPARE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							5400	4860	4860	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	15	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		0	VA	0	VA	15	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	42	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		15120	VA	15120	VA	42	TOTAL DESIGN AMPS

PANEL: 1LPE

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
LAB 1108	1	540			20	2	1080			2	20			540	2	LAB 1111
LAB 1108	3	540			-	-		1080		-	-			540	4	LAB 1111
LAB 1108	5	540			20	2			1080	2	20			540	6	LAB 1111
LAB 1108	7	540			-	-	1080			-	-			540	8	LAB 1111
LAB 1108	9	540			20	2		1080		2	20			540	10	LAB 1110
LAB 1108	11	540			-	-			1080	-	-			540	12	LAB 1110
LAB 1109	13	540			20	2	1080			2	20			540	14	LAB 1110
LAB 1109	15	540			-	-		1080		-	-			540	16	LAB 1110
LAB 1108	17	540			20	2			540	1	20				18	SPARE
LAB 1108	19	540			-	-	540			1	20				20	SPARE
LAB 1108	21	540			20	2		540		1	20				22	SPARE
LAB 1108	23	540			-	-			540	1	20				24	SPARE
LAB 1109	25	540			20	2	540			1	20				26	SPARE
LAB 1109	27	540			-	-		540		1	20				28	SPARE
LAB 1109	29	540			20	2			540	1	20				30	SPARE
LAB 1109	31	540			-	-	540			1	20				32	SPARE
LAB 1110	33	540			20	2		540		1	20				34	SPARE
LAB 1110	35	540			-	-			540	1	20				36	SPARE
LAB 1110	37	540			20	2	540			1	20				38	SPARE
LAB 1110	39	540			-	-		540		1	20				40	SPARE
SPARE	41				20	1			0	1	20				42	SPARE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							5400	5400	4320	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	15	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		0	VA	0	VA	15	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	42	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		15120	VA	15120	VA	42	TOTAL DESIGN AMPS

PANEL: 1LPF

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
ENTRY DED 208V	1	2500			30	2	3100			1	20			600	2	HISTOLOGY RECEPT.
-	3	2500			-	-		5000		2	30			2500	4	HISTOLOGY DED 208V
ENTRY RECEPT.	5	600			20	1			3100	-	-			2500	6	-
ENTRY RECEPT.	7	600			20	1	3100			2	30			2500	8	HIST/STAINING DED 208V
ENTRY DED 208V	9	2500			30	2		5000		-	-			2500	10	-
-	11	2500			-	-			3100	1	20			600	12	HIST/ STAINING RECEPT.
ENTRY DED 208V	13	1600			20	2	2200			1	20			600	14	HIST/ STAINING RECEPT.
-	15	1600			-	-		2140		1	20	R	3	540	16	HIST/ STAINING RECEPT.
ENTRY RECEPT.	17	600			20	1			960	1	20	R	2	360	18	HIST/ STAINING RECEPT.
HISTOLOGY RECEPT.	19	720	4	R	20	1	2320			1	20			1600	20	HIST/ STAINING FUME HOOD
HISTOLOGY RECEPT.	21	720	4	R	20	1		1080		1	20	R	2	360	22	ENTRY RECEPT.
HISTOLOGY RECEPT.	23	540			20	1			1080	1	20	R	3	540	24	ENTRY RECEPT.
HISTOLOGY RECEPT.	25	540			20	1	2140			1	20			1600	26	ENTRY FUME HOOD
HISTOLOGY RECEPT.	27	540			20	1		1140		1	20			600	28	ENTRY RECEPT.
HISTOLOGY RECEPT.	29	540			20	1			2140	2	20			1600	30	ENTRY DED 208V
ENTRY FUME HOOD	31	1600			20	1	3200			-	-			1600	32	-
DARK ROOM DED. RECEPT.	33	1440			20	1		3940		2	30			2500	34	ENTRY DED 208V
DARK ROOM RECEPT.	35	720	4	R	20	1			3220	-	-			2500	36	-
DARK ROOM RECEPT.	37	540	3	R	20	1	1140			1	20			600	38	ENTRY RECEPT.
LAB 1113 SPECIAL PURPOSE	39	540			20	2		1080		2	20			540	40	LAB 1113 SPECIAL PURPOSE
-	41	540			-	-			1080	-	-			540	42	-
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							17200	19380	14680	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	51	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		4500	VA	4500	VA	51	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	142	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		46760	VA	46760	VA	142	TOTAL DESIGN AMPS

PANEL: 1LPG

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
LAB 1111	1	540			20	2	1080			2	20			540	2	LAB 1112
LAB 1111	3	540			-	-		1080		-	-			540	4	LAB 1112
LAB 1112	5	540			20	2			1080	2	20			540	6	LAB 1113
LAB 1112	7	540			-	-	1080			-	-			540	8	LAB 1113
LAB 1111	9	540			20	2		1080		2	20			540	10	LAB 1112
LAB 1111	11	540			-	-			1080	-	-			540	12	LAB 1112
LAB 1112	13	540			20	2	1080			2	20			540	14	LAB 1113
LAB 1112	15	540			-	-		1080		-	-			540	16	LAB 1113
LAB 1112	17	540			20	2			540	2	20				18	SPARE
LAB 1112	19	540			-	-	540			-	-				20	SPARE
LAB 1113	21	540			20	2		540		2	20				22	SPARE
LAB 1113	23	540			-	-			540	-	-				24	SPARE
SPARE	25				20	1	500			1	20			500	26	WATER PURIFIER
SPARE	27				20	1		500		1	20			500	28	WATER PURIFIER
SPARE	29				20	1			500	1	20			500	30	WATER PURIFIER
SPARE	31				20	1	360			1	20	R	2	360	32	LAB GEN. RECEPTS.
LAB 1113 NEMA L6-20R	33	540			20	2		1860		1	20			1320	34	LER ICE FLAKER
-	35	540			-	-			640	1	20			100	36	CARD READERS
LAB 1113 NEMA L6-20R	37	540			20	2	540			1	20				38	SPARE
-	39	540			-	-		540		1	20				40	SPARE
SPARE	41				20	1			0	1	20				42	SPARE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							5180	6680	4380	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	16	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		360	VA	360	VA	16	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	45	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		15880	VA	15880	VA	45	TOTAL DESIGN AMPS

PANEL: 1LA

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 600 AMP
MAIN : 500A, 3P
FED FROM : T1LA

NEW
SURFACE MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
LOAD DOCK, INF, RADIO, GEN. REC.	1	900	5	R	20	1	910			1	15			10	2	NORMAL SENSING FEED FOR DIM RK
LOAD DOCK, INF, RADIO, GEN. REC.	3	720	4	R	20	1		820		1	20	L		100	4	CAFÉ EXTERIOR BAR LIGHTS *
LOAD DOOR	5	500			20	1			2156	1	30	M		1656	6	FC 1.2
LOAD DOOR	7	500			20	1	2420			1	30	M		1920	8	FC 1.4
EXT REC.	9	360	2	R	20	1		2748		1	30			2388	10	ICE MAKER 08
SPARE	11				20	1			180	1	20	R	1	180	12	CONV. RECEPT C01
CO2 RECEPTS	13	180	1	R	20	1	360			1	20	R	1	180	14	CONV. RECEPT C02
CO2 RECEPTS	15	360	2	R	20	1		2136		1	20			1776	16	TEA MAKER
ELEC. RM GEN. REC.	17	180	1	R	20	1			2863	2	30			2683	18	COFFEE MAKER
ELEV. RM GEN. REC.	19	215			20	1	2898			-	-			2683	20	-
PANEL DIMMING RACK	21	2614		S	100	3		4054		1	20			1440	22	CABINET WARMER
-	23	2250		S	-	-			3342	1	20			1092	24	REFER.
-	25	1250		S	-	-	2690			1	20			1440	26	WOMEN HAND DRYER
GENERATOR GEN PURP. RECEPTS.	27	540	3	R	20	1		1980		1	20			1440	28	MEN HAND DRYER
MECHANICAL CONTROLS	29	250			20	1			750	1	20			500	30	DRINKING FOUNTAIN
MOTORIZED AWNING (LOBBY)	31	500			20	1	1220			1	20	R	4	720	32	SOUTH GEN. REC.
CONV. RECEPT CO3	33	180	1	R	20	1		900		1	20	R	4	720	34	SOUTH GEN. REC.
ELTS SENSING CIRCUIT	35	100			20	1			820	1	20	R	4	720	36	SOUTH GEN. REC.
PANEL 1LB	37	7204		S	100	3	7204			1	20				38	SPARE
-	39	9296		S	-	-		10096		1	20			800	40	PARKING CONTROL
-	41	12646		S	-	-			13446	1	20			800	42	PARKING CONTROL
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							32628	24140	27084	PANEL: 2KA ** (1)						
TOTAL VA PER PHASE							50330	46874	50641	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	8143	VA	6514	VA	148	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		11120	VA	12240	VA	141	TOTAL DESIGN kVA
M-MOTOR LOADS		5232	VA	5232	VA	410	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 9 AT	65% =	14074	VA	21652	VA	4	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		102207	VA	102207	VA	395	TOTAL DESIGN AMPS

* ROUTE CIRCUIT VIA LIGHTING CONTROL PANEL 'LCP-1B'

** PROVIDE SEPARATELY MOUNTED 225A, 3P SUB-FEED CIRCUIT BREAKER FOR PANEL 2AK.

PANEL: 1LB

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1HA

NEW
SURFACE MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
CONF. FL BOX RECEPT.	1	300			20	1	1500			1	20			1200	2	CONF. PROJ
CONF. GEN. RECEPTS.	3	540	3	R	20	1		840		1	20			300	4	CONF. PROJ. SCREEN
CONF. GEN. RECEPTS.	5	540	3	R	20	1			1890	1	20			1350	6	SOUTH CONF. PROJ/ SCREEN
CONF. FL BOX RECEPT.	7	300			20	1	900			1	20			600	8	AV EQUIP.
CONF. FL BOX RECEPT.	9	600			20	1		1100		1	20			500	10	SMOKE FIRE DAMPER
AV EQUIP. RACK	11	1800			20	1			2100	1	20			300	12	AV RECEPT.
AV EQUIP. RACK	13	1800			20	1	2520			1	20	R	4	720	14	CONF. RECEPT.
RECEPTION DESK	15	360	2	R	20	1		912		3	15			552	16	SPLIT SYSTEM COMPTRESSOR
LOBBY FL BOX	17	360	2	R	20	1			912	-	-			552	18	-
LOBBY FL BOX	19	180	1	R	20	1	732			-	-			552	20	-
SPLIT SYSTEM COMPRESSOR	21	552			15	3		652		1	20			100	22	DOOR SECURITY
-	23	552			-	-			1952	1	20			1400	24	TOILET ROOM 1031 HAND DRYER
-	25	552			-	-	1552			1	20			1000	26	LOBBY LCD SCREENS
PARKING BOOTH PANEL	27	4992			60	2		5792			20			800	28	PARKING CONTROL
-	29	4992			-	-			5792	1	20			800	30	PARKING CONTROL
	31						0								32	
	33							0							34	
	35								0						36	
	37						0								38	
	39							0							40	
	41								0						42	
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							7204	9296	12646	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	29	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		2700	VA	2700	VA	29	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	81	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		26446	VA	26446	VA	81	TOTAL DESIGN AMPS

PANEL: 1LC

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 100 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
SURFACE MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
BREAK ROOM 1107 REF.	1	800			20	1	1340			1	20	R	3	540	2	INTERSTITIAL SPACE REC.
BREAK ROOM 1107 VENDING	3	600			20	1		1140		1	20	R	3	540	4	INTERSTITIAL SPACE REC.
BREAK ROOM 1107 VENDING	5	600			20	1			960	1	20	R	2	360	6	INTERSTITIAL SPACE REC.
BREAK ROOM 1107 GARB. DISPOSAL	7	100			20	1	280			1	20	R	1	180	8	INTERSTITIAL SPACE REC.
BREAK ROOM 1107 RECEPT.	9	180	1	R	20	1		280		1	20			100	10	INTERSTITIAL DOOR HARWARE
BREAK ROOM 1107 RECEPT.	11	180	1	R	20	1			280	1	20			100	12	INTERSTITIAL DOOR HARWARE
BREAK ROOM 1107 RECEPT.	13	180	1	R	20	1	180			1	20				14	SPARE
BREAK ROOM 1107 RECEPT.	15	360	2	R	20	1		360		1	20				16	SPARE
EXTERIOR RECEPTS	17	900	R	5	20	1			900	1	20				18	SPARE
BREAK ROOM 1107 AV FLOORBOX	19	360	2	R	20	1	360			1	20				20	SPARE
BREAK ROOM 1107 LCD	21	500			20	1		500		1	20				22	SPARE
SPARE	23				20	1			0	1	20				24	SPARE
SPARE	25				20	1	0			1	20				26	SPARE
SPARE	27				20	1		0		1	20				28	SPARE
SPARE	29				20	1			0	1	20				30	SPARE
	31						0								32	
	33							0							34	
	35								0						36	
	37						0								38	
	39							0							40	
	41								0						42	
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							2160	2280	2140	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	7	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		2880	VA	2880	VA	6	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	18	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		2800	VA	2800	VA	16	TOTAL DESIGN AMPS

PANEL: 1LD

VOLT : 208Y/120V 3 PHASE, 4 WIRE
BUS : 225 AMP
MAIN : LUGS ONLY
FED FROM : 1DB

NEW
FLUSH MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE

DESCRIPTION	CKT	LOAD	REC	KEY	BREAKER AMP	P	VA PER PHASE A	B	C	P	BREAKER AMP	KEY	REC	LOAD	CKT	DESCRIPTION
GLASSWARE DRYER	1	3152			30	3	3452			1	20			300	2	STERILIZER CONTROLLER
-	3	3152			-	-		3452		1	20			300	4	STERILIZER CONTROLLER
-	5	3152			-	-			3452	1	20			300	6	STERILIZER CONTROLLER
GLASSWARE DRYER	7	3152			30	3	3512			1	20	R	2	360	8	GLASSWASH RM GEN. RECEPTS.
-	9	3152			-	-		3512		1	20	R	2	360	10	GLASSWASH RM GEN. RECEPTS.
-	11	3152			-	-			3152	1	20				12	SPARE
OVEN	13	1500			20	2	1500			1	20				14	SPARE
-	15	1500			-	-		1500		1	20				16	SPARE
OVEN	17	1500			20	2			1500	1	20				18	SPARE
-	19	1500			-	-	1500			1	20				20	SPARE
FREEZER MORGUE DED. RECEPT.	21	180	1	R	20	1		180		1	20				22	SPARE
FREEZER MORGUE DED. RECEPT.	23	180	1	R	20	1			180	1	20				24	SPARE
FREEZER MORGUE GEN. RECEPTS.	25	720	4	R	20	1	720			1	20				26	SPARE
FREEZER MORGUE GEN. RECEPTS.	27	720	4	R	20	1		720		1	20				28	SPARE
FREEZER MORGUE GEN. RECEPTS.	29	720	4	R	20	1			720	1	20				30	SPARE
SPARE	31				20	1	0			1	20				32	SPARE
SPARE	33				20	1		0		1	20				34	SPARE
SPARE	35				20	1			0	1	20				36	SPARE
SPARE	37				20	1	0			1	20				38	SPARE
SPARE	39				20	1		0		1	20				40	SPARE
SPARE	41				20	1			0	1	20				42	SPARE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE							0	0	0	PANEL:						
TOTAL VA PER PHASE							10684	9364	9004	TOTALS						

KEY	DEMAND	DESIGN		CONNECTED		TOTALS	
L-GENERAL LIGHTING LOAD	125%	250	VA	200	VA	29	TOTAL CONNECTED kVA
R-RECEPTACLE LOAD (PER NEC ART. 220-13)		10040	VA	10080	VA	56	TOTAL DESIGN kVA
M-MOTOR LOADS		0	VA	0	VA	81	TOTAL CONNECTED AMPS
K-KITCHEN RECEPTACLES 0 AT	100% =	0	VA	0	VA	0	25% OF LARGEST MOTOR AMPS
ALL OTHER LOADS		45672	VA	45672	VA	155	TOTAL DESIGN AMPS

KEY NOTES:

(1) PROVIDE A SEPERATELY ENCLOSED 225A/3POLE BREAKER TO FEED PANEL 2KA.

BHA	1LPD	1LA
1LPA	1LPE	1LB
1LPB	1LPF	1LC
1LPC	1LPG	1LD

ELECTIRCAL PANEL SCHEDULES

SCALE NONE 1

ISSUED FOR	DATE
Pre-Schematic Design	07/14/2008
Schematic Design	07/28/2008
BID PK #1	10/06/2008
50% Progress	10/24/2008
BID PK #1 80 CD	12/01/2008
BID PK #1 100 CD	02/16/2009
BID PK #2 100 CD	03/26/2009
100% CD	05/08/2009
CD 4	01/07/2010
COB 1 (3)	02/26/2010
COB 2 (4)	02/26/2010
CD 4	04/15/2010
RW PERMIT	05/05/2010
ASI#008 R1 (10)	07/01/2010
ASI#005 (7)	07/06/2010
ASI#015 (11)	07/09/2010
ASI#004 (5)	07/12/2010
ASI#008R2 (18)	07/19/2010
ASI#010 (19)	08/13/2010

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REGISTERED PROFESSIONAL ENGINEER JAMIE A. SCHNUR E014222 Exp. 06-30-11 ELECTRICAL STATE OF CALIFORNIA

SHEET NAME
ELECTIRCAL PANEL SCHEDULES

DRAWN BY: Author
PROJECT #: 200725.000
SHEET NUMBER
E7001

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