LIGHTING COMPLIANCE NOTES

1. THE LIGHTING COMPLIANCE CALCULATION FOR THIS PROJECT IS EXEMPTED PER 2009 IECC SECTION 101.4.3 EXCEPTION 7.

CITY OF LAS VEGAS NOTES

1. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUITS AND FEEDERS COMPLY WITH NEC 210-19(A)(1) FPN No. 4.

2. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED LOAD CALCULATIONS AND VERIFIES THAT ALL UPSTREAM PANELS AND EQUIPMENT ARE NOT OVERLOADED.

EXISTING

PANEL: LBBC

PANEL VOLTAGE: 208/120 3Φ 4 W
BUS: 225A
MAINS: L.O.
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS; L : LONG-CONTINUOUS; R : DEMANDABLE RECEPTACLES; K : KITCHEN
DATE: 06/01/09 TIME: 15:28:49
JOB: 08.0214
LOCATION: UPS ROOM
MOUNTING: SURFACE
NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION (NOTE)	M	R	L	CONNECTED VA ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION (NOTE)	TRIP	POLE	CODE	CKT NO
1	N	30	/	CHARGER				500				200						(1) TRAP PRIMER	20	1	N	2
3	N	/	2	---					500				1800			1		(2) TREADMILL	20	1	N	4
5	N	30	/	CHARGER						500				1800		1		(2) TREADMILL	20	1	N	6
7	N	/	2	---				500				1800				1		(3) TREADMILL	20	1	R	8
9	N	30	/	CHARGER					500				1800			1		(3) TREADMILL	20	1	R	10
11	N	/	2	---						500				540		3		RESTROOM REC.	20	1	R	12
13	N	30	/	CHARGER				500				500				3		MAINT. RECEPTS	30	1	N	14
15	N	/	2	---					500				540			3		MAINT. RECEPTS	20	1	R	16
17	R	20	1	STORAGE REC			2			360				800				B.R. REFRIG	20	1	N	18
19	R	20	1	STORAGE REC			2	360				800						B.R. REFRIG	20	1	N	20
21	R	20	1	OFFICE RECEPTS			4		720				800					B.R. REFRIG	20	1	N	22
23	R	20	1	OFFICE RECEPTS			5			900				800				B.R. REFRIG	20	1	N	24
25	R	20	1	OFFICE RECEPTS			5	900				360				2		B.R. RECEPTS	20	1	R	26
27	R	20	1	CONF. RECEPTS			5		900				540			3		B.R. RECEPTS	20	1	R	28
29	R	20	1	CONF. RECEPTS			4			720				1000				B.R. MICRO	20	1	N	30
31	R	20	1	CONF. PROJECTOR REC.			3	540				1000						B.R. MICRO	20	1	N	32
33	R	20	1	CONF. COUNTER REC.			3		540				500			3		MAINT. RECEPTS	30	1	N	34
35	R	20	1	CONF. A/V RECEPTS			3			540				540		3		MAINT. RECEPTS	20	1	R	36
37	N	20	1	HAND DRYER				1500				1500						HAND DRYER	20	1	N	38
39	N	20	1	HAND DRYER					1500				1500					HAND DRYER	20	1	N	40
41		20	1	SPARE						–				–				SPARE	20	1		42

PANEL NOTES:
(1) CORE & SHELL
(2) REPLACE 40/2 W/(2) 20/1 BRK.
(3) REPLACE MAIL MACHINE W/TREADMILL.

PHASE TOTALS ΦA: 10960 ΦB: 12620 ΦC: 9000

TOTAL CONNECTED VA	32580
CONNECTED VA (CODE N)	15380
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	17200
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	32.6
PANEL DEMAND KVA	32.6
PANEL DEMAND AMPS	90.5
HIGH Φ AMPS W/DEMAND	105.2

EXISTING

PANEL: LBBE

PANEL VOLTAGE: 208/120 3Φ 4 W
BUS: 225A
MAINS: L.O.
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS; L : LONG-CONTINUOUS; R : DEMANDABLE RECEPTACLES; K : KITCHEN
DATE: 11/16/09 TIME: 17:32:49
JOB: 08.0214
LOCATION: PRINT SHOP
MOUNTING: FLUSH
NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION (NOTE)	M	R	L	CONNECTED VA ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION (NOTE)	TRIP	POLE	CODE	CKT NO
1	R	20	1	CONV. RECEPTS			5	900				1920						XEROX COPIER	20	1	N	2
3	R	20	1	CONV. RECEPTS			4		720				1920					XEROX COPIER	20	1	N	4
5	N	20	1	DIGI PATH						600				4000				XEROX COPIER	50		N	6
7	N	20	1	DRILL				1000				4000						---	/	2	N	8
9	N	50	/	XEROX COPIER					4000				840					COLLATING MACHINE	20	1	N	10
11	N	/	2	---						4000				1080		6		CONV. RECEPTS	20	1	R	12
13	N	20	/	CUTTER				2080				1080				6		CONV. RECEPTS	20	1	R	14
15	N	/	2	---					2080				1850					FOLDING MACHINE	25		N	16
17	N	20	1	SHRINK TUNNEL						1920				1850				---	/	2	N	18
19	N	20	1	TF-1	(2)			600				1920						TOK PRINTING PRESS	20	1	N	20
21	N	20	1	SYSTEMS FURNITURE	(1)				720				1800					ENVELOPE PRINTING PRESS	20	1	N	22
23	N	20	1	SYSTEMS FURNITURE	(1)					720				600				PLATEMAKER	20	1	N	24
25	N	20	1	SYSTEMS FURNITURE	(1)			720				1080				6	(3)	OFFICE RECEPTS	20	1	R	26
27	N	20	1	MAIL INSERTER	(3)				900				400			4	(3)	CCTV	20	1	R	28
29	N	20	1	DIGITAL MAILING SYS	(3)					1140				720		4	(3)	OFFICE RECEPTS	20	1	R	30
31		20	1	SPACE	(4)			–				1080				6	(3)	OFFICE RECEPTS	20	1	R	32
33	R	20	1	CONV. RECEPTS			5		900				500					RECEPT	20	1	N	34
35	R	20	1	CONV. RECEPTS			4			720				500				RECEPT	20	1	N	36
37	R	20	1	COUNTER RECEPTS			1	180				500						RECEPT	20	1	N	38
39	N	20	1	U/C REF. RECEPT					600				500			2		MAINT. RECEPTS	30	1	N	40
41	N	20	1	MICROWAVE RECEPT						1000				360		2		MAINT. RECEPTS	20	1	R	42

PANEL NOTES:
(1) PROVIDE BREAKER TIES FOR MULTIWIRE CIRCUITS TO SYSTEMS FURNITURE PER NEC 605.7.
(2) CIRCUIT IN CORE/SHELL.
(3) REORGANIZED CIRCUIT.
(4) LOAD REMOVED

PROVIDE PANEL WITH SUBFEED LUGS.

PHASE TOTALS ΦA: 17060 ΦB: 17730 ΦC: 19210

TOTAL CONNECTED VA	54000
CONNECTED VA (CODE N)	44280
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	9720
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	54
PANEL DEMAND KVA	54
PANEL DEMAND AMPS	150
HIGH Φ AMPS W/DEMAND	160.1

CITY OF LAS VEGAS NEVADA

Department of Operations and Maintenance

REVISIONS
1 11/1/12

CONSULTANT

City Hall Fitness Center
495 South Main Street

Electrical Panel Schedule

STAMP

REGISTERED PROFESSIONAL ENGINEER-STATE OF NEVADA
JIANZHONG JIANG
Exp: ———
ELECTRICAL
NO. 13959

OWNER: CITY OF LAS VEGAS
Department of Operations & Maintenance

3104 East Bonanza Road
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6220
FAX: (702) 382-0619
TDD: (702) 386-9108

DRAWN JJ
FILE CH-FP Fitness Ctr-E
DATE October 2012
SCALE As Shown
BID NO
CLV DWG NO 521-298-FC
SHT NO E3.1

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