PANEL L7

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
	180			1	RECEPTACLES	20/1		20/1	RECEPTACLES	2		180		
	180			3	RECEPTACLES	20/1		20/1	RECEPTACLES	4		180		
	540			5	RECEPTACLES	20/1		20/1	RECEPTACLES	6		540		
			1500	7	DRYER	20/1		20/1	DRYER	8				1500
			1500	9	DRYER	20/1		20/1	DRYER	10				1500
			1500	11	DRYER	20/1		20/1	DRYER	12				1500
			1500	13	DRYER	20/1		20/1	DRYER	14				1500
	720			15	RECEPTACLES	20/1		20/1	NEON SIGN	16	1200			
	540			17	RECEPTACLES	20/1		20/1	DRYER	18				1500
	540			19	RECEPTACLES	20/1		20/1	DRYER	20				1500
			1500	21	DRYER	20/1		20/1	DRYER	22				1500
			1500	23	DRYER	20/1		20/1	DRYER	24				1500
			1500	25	DRYER	20/1		20/1	SPARE	26				
			1500	27	DRYER	20/1		20/1	SPARE	28				
				29	SPARE	20/1		20/1	SPARE	30				
				31	SPARE	20/1		20/1	SPARE	32				
				33	SPARE	20/1		20/1	SPARE	34				
				35	SPACE				SPACE	36				
				37	SPACE				SPACE	38				
				39	SPACE				SPACE	40				
				41	SPACE				SPACE	42				
0.00	2.70	0.00	12.00		SUB TOTALS KVA				SUB TOTALS KVA		1.20	0.90	0.00	12.00

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 225 AMPS
MAIN: MAIN C/B
MOUNTING: SURFACE
REMARKS: 10,000 AIC
JOB NAME: DURANGO REC CENTER
JOB NUMBER: 07-96150
FILE NAME: L7.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
0.00	0.90	0.00	9.00	PHASE A	CONNECTED KVA	1.20	3.60	0.00	24.00
1.20	1.08	0.00	7.50	PHASE B	DEMAND	1.25	1.00	1.00	1.00
0.00	1.62	0.00	7.50	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	1.50	3.60	0.00	24.00
9.90	1.00	1.00	9.90	PHASE A	TOTAL CONNECTED KVA	28.80			
9.78	1.00	1.00	10.08	PHASE B	TOTAL ADJUSTED KVA	29.10			
9.12	1.00	1.00	9.12	PHASE C	PHASE TO PHASE VOLTAGE	208.00			
28.80			29.10	TOTAL	ADJUSTED PANEL AMPERAGE	80.87	'HIGH PHASE		84.00

PANEL L4

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
			4000	1	RANGE OUTLET	50 /		20/1	EF-3	2			696	
			4000	3	-	/ 2		20/1	DISPOSAL	4		500		
			3120	5	KILN	40 /		20/1	COUNTER	6		360		
			3120	7	-	/ 2		20/1	COUNTER	8		360		
			3120	9	KILN	40 /		20/1	COUNTER	10		180		
			3120	11	-	/ 2		20/1	FREEZER	12		80		
			3120	13	KILN	40 /		20/1	REFRIGERATOR	14		720		
			3120	15	-	/ 2		20/1	ICE MAKER	16		1500		
1500				17	PORTABLE STAGE LIGHTING	20 /		20/1	DISHWASHER	18		1000		
1500				19	-	/		20/1	EF-11	20			696	
1500				21	-	/ 3		20/1	EF-1	22			696	
1200				23	TRACKING	20/1		20/1	SPARE	24				
1200				25	TRACKING	20/1		20/1	SPARE	26				
1200				27	TRACKING	20/1			SPACE	28				
1200				29	TRACKING	20/1			SPACE	30				
1500				31	LIGHTING	20/1			SPACE	32				
				33	SPARE	20/1			SPACE	34				
				35	SPARE	20/1			SPACE	36				
				37	SPARE	20/1		20 /	PORTABLE STAGE LIGHTING	38	1500			
				39	SPARE	20/1		/	-	40	1500			
				41	FIRE SPACE			/ 3	-	42	1500			
10.80	0.00	0.00	26.72		SUB TOTALS KVA				SUB TOTALS KVA		4.50	4.70	2.09	0.00

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 225 AMPS
MAIN: M.L.O.
MOUNTING: SURFACE
REMARKS: 10,000 AIC
JOB NAM DURANGO REC FACILITY
JOB NUMBER: '07-96150
FILE NAME: L4.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
5.70	1.08	1.39	10.24	PHASE A	CONNECTED KVA	15.30	4.70	2.09	26.72
4.20	2.18	0.70	10.24	PHASE B	DEMAND	1.25	1.00	1.00	1.00
5.40	1.44	0.00	6.24	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	19.13	4.70	2.09	26.72
18.41	1.00	1.00	19.84	PHASE A	TOTAL CONNECTED KVA	48.81			
17.32	1.00	1.00	18.37	PHASE B	TOTAL ADJUSTED KVA	52.63			
13.08	1.00	1.00	14.43	PHASE C	PHASE TO PHASE VOLTAGE	208			
48.81			52.63	TOTAL	ADJUSTED PANEL AMPERAGE	146.27	'HIGH PHASE		165.31

PANEL L1

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
1200				1	N. GYM INCANDESCENT	20/1		20/1	OFFICES	2		1260		
1200				3	S. GYM INCANDESCENT	20/1		20/1	OFFICES	4		1440		
800				5	MTG. ROOM LIGHTS	20 /		20/1	OFFICES	6		1440		
800				7	MTG. ROOM LIGHTS	/ 2		20/1	PAY PHONES	8		360		
800				9	MTG. ROOM LIGHTS	20 /		20/1	GAME ROOM	10		180		
800				11	MTG. ROOM LIGHTS	/ 2		20/1	GAME ROOM	12		1260		
800				13	MTG. ROOM LIGHTS	20 /		20/1	GAME ROOM	14		1080		
800				15	MTG. ROOM LIGHTS	/ 2		20/1	GAME ROOM	16		1080		
	180			17	FIRE DOOR	20/1		20/1	OFFICES	18		1080		
				19	SPARE	20/1		20/1	OFFICES	20		900		
500				21	SCULPTURE LIGHTING	20/1		20/1	MEETING ROOMS	22		1080		
				23	SPARE	20/1		20/1	MEETING ROOMS	24		1080		
				25	SPARE	20/1		20/1	U.C. REFRIG.	26		500		
	720			27	CONF. ROOM	20/1		20/1	MEETING ROOMS	28		900		
	1080			29	CONF. ROOM	20/1		20/1	MEETING ROOMS	30		1080		
	1000			31	CONTROL ROOM	20/1		20/1	VENDING AREA	32		1260		
	1000			33	CONTROL ROOM	20/1		20/1	EWC	34		500		
	1000			35	VENDING MACHINE	20/1		20/1	EWC	36		500		
	1000			37	VENDING MACHINE	20/1		20/1	MEETING ROOMS	38		1260		
	1000			39	VENDING MACHINE	20/1		20/1	MECHANICAL ROOM	40		1260		
	1000			41	VENDING MACHINE	20/1		20/1	JANITORS OFFICE	42		900		
7.70	7.98	0.00	0.00		SUB TOTALS KVA				SUB TOTALS KVA		0.00	20.40	0.00	0.00

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 225 AMPS
MAIN: M.L.O.
MOUNTING: SURFACE
REMARKS: 10,000 AIC
JOB NAM DURANGO REC CENTER
JOB NUMBER: 96150
FILE NAME: L1.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
2.80	8.70	0.00	0.00	PHASE A	CONNECTED KVA	7.70	28.36	0.00	0.00
3.30	9.24	0.00	0.00	PHASE B	DEMAND	1.25	1.00	1.00	1.00
1.60	10.42	0.00	0.00	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	9.63	28.36	0.00	0.00
11.50	1.00	1.00	12.20	PHASE A	TOTAL CONNECTED KVA	36.06			
12.54	1.00	1.00	13.37	PHASE B	TOTAL ADJUSTED KVA	37.99			
12.02	1.00	1.00	12.42	PHASE C	PHASE TO PHASE VOLTAGE	208			
36.06			37.99	TOTAL	ADJUSTED PANEL AMPERAGE	105.56	'HIGH PHASE		111.38

PANEL L5

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
	1200			1	RECEPTACLES	20/1		20/1	RECEPTACLES	2		560		
	1200			3	RECEPTACLES	20/1		20/1	RECEPTACLES	4		560		
	1200			5	RECEPTACLES	20/1		20/1	RECEPTACLES	6		560		
	1200			7	RECEPTACLES	20/1		20/1	RECEPTACLES	8		560		
	1200			9	RECEPTACLES	20/1		20/1	RECEPTACLES	10		560		
	1200			11	RECEPTACLES	20/1		20/1	RECEPTACLES	12		560		
	1200			13	RECEPTACLES	20/1		20/1	SPARE	14				
	1200			15	RECEPTACLES	20/1		20/1	SPARE	16				
	1200			17	RECEPTACLES	20/1		20/1	SPARE	18				
	1200			19	RECEPTACLES	20/1		20/1	SPARE	20				
	360			21	RECEPTACLES	20/1		20/1	RECEPTACLES	22		360		
	1080			23	RECEPTACLES	20/1		20/1	OVERHEAD DOOR	24				1200
		864		25	EXHAUST FAN 15	20/1		20/1	SPARE	26				
		696		27	EXHAUST FAN 17	20/1		20/1	SPACE	28				
		696		29	FAN COIL #9	20/1		20/1	SPACE	30				
		696		31	FAN COIL #22	20/1		20/1	SPARE	32				
1200				33	NEON SIGN	20/1		20 /	WH-2	34				1250
1200				35	NEON SIGN	20/1		/ 2	-	36				1250
1200				37	NEON SIGN	20/1			SPACE	38				
				39	SPACE				SPACE	40				
				41	SPACE				SPACE	42				
3.60	13.44	2.95	0.00		SUB TOTALS KVA				SUB TOTALS KVA		0.00	3.72	0.00	3.70

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 200 AMPS
MAIN: 200 AMPS
MOUNTING: SURFACE
REMARKS: 10,000 AIC
MAIN SHUNT TRIP
JOB NAM DURANGO REC FACILITY
JOB NUMBER: '07-96150
FILE NAME: L5.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
1.20	5.92	1.56	0.00	PHASE A	CONNECTED KVA	3.60	17.16	2.95	3.70
1.20	5.44	0.70	1.25	PHASE B	DEMAND	1.25	1.00	1.00	1.00
1.20	5.80	0.70	2.45	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	4.50	17.16	2.95	3.70
8.68	1.00	1.00	8.98	PHASE A	TOTAL CONNECTED KVA	27.41			
8.59	1.00	1.00	8.89	PHASE B	TOTAL ADJUSTED KVA	28.31			
10.15	1.00	1.00	10.45	PHASE C	PHASE TO PHASE VOLTAGE	208			
27.41			28.31	TOTAL	ADJUSTED PANEL AMPERAGE	78.68	'HIGH PHASE		87.05

PANEL L2

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
1000				1	FUTURE ART LIGHTING	20/1		20 /	ROLL-UP DOORS	2			800	
1000				3	FUTURE ART LIGHTING	20/1		/		4			800	
1000				5	FUTURE ART LIGHTING	20/1		/ 3		6			800	
1000				7	FUTURE ART LIGHTING	20/1		20 /	BACKBOARDS	8			1680	
1120				9	READERBOARD SIGN	20/1		/		10			1680	
1120				11	READERBOARD SIGN	20/1		/ 3		12			1680	
1120				13	READERBOARD SIGN	20/1		15 /	MOTORIZED CURTAIN	14			380	
	720			15	SCOREBOARD CONTROLS	20/1		/		16			380	
500				17	SCOREBOARD	20/1		/ 3		18			380	
500				19	SCOREBOARD	20/1		20/1	EF-1	20			700	
				21	MONUMENT SIGN	20/1		20/1	FA PANEL	22		500		
			1500	23	HAND DRYER	20/1		20/1	SPARE	24				
			1500	25	HAND DRYER	20/1		20/1	EF-2	26			696	
			1500	27	HAND DRYER	20/1		20/1	EF-12	28			696	
			1500	29	HAND DRYER	20/1		20/1	EF-13	30			696	
			1500	31	HAND DRYER	20/1		20/1	CLASSROOM	32		1440		
			1500	33	HAND DRYER	20/1		20/1	CLASSROOM	34		1260		
			1500	35	HAND DRYER	20/1		20/1	ELEC. ROOM	36		1080		
		200		37	BOILER	20/1		20/1	RECEPTACLE	38		720		
	900			39	MECH. ROOM	20/1			SPACE	40				
		1200		41	CHILLER	20/1			FAN SPACE	42				
8.36	1.62	1.40	10.50		SUB TOTALS KVA				SUB TOTALS KVA		0.00	5.00	11.34	0.00

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 225 AMPS
MAIN: M.L.O.
MOUNTING: SURFACE
REMARKS: 10,000 AIC
JOB NAM DURANGO REC CENTER
JOB NUMBER: 96150
FILE NAME: L2.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
3.62	2.16	4.45	3.00	PHASE A	CONNECTED KVA	8.36	6.62	12.74	10.50
2.12	3.38	3.56	3.00	PHASE B	DEMAND	1.25	1.00	1.00	1.00
2.62	1.08	4.75	4.50	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	10.45	6.62	12.74	10.50
13.23	1.00	1.00	14.13	PHASE A	TOTAL CONNECTED KVA	38.22			
12.06	1.00	1.00	12.59	PHASE B	TOTAL ADJUSTED KVA	40.31			
12.96	1.00	1.00	13.60	PHASE C	PHASE TO PHASE VOLTAGE	208			
38.22			40.31	TOTAL	ADJUSTED PANEL AMPERAGE	112.02	'HIGH PHASE		117.76

PANEL L6

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
1500				1	POOL LIGHTS	20/1		20/1	POOL COMPUTER	2		360		
1500				3	POOL LIGHTS	20/1		20/1	POOL COMPUTER	4		360		
1500				5	POOL LIGHTS	20/1		20/1	POOL COMPUTER	6		360		
1500				7	POOL LIGHTS	20/1		20/1	POOL COMPUTER	8		360		
1500				9	POOL LIGHTS	20/1		20/1	RECIRC. PUMP	10			1500	
1500				11	POOL LIGHTS	20/1		20/1	SOUND RACK	12		180		
1500				13	POOL LIGHTS	20/1		20/1	RECEPTACLE	14		360		
				15	SPARE	20/1		20/1	RECEPTACLE	16		360		
				17	SPARE	20/1		20/1	RECEPTACLE	18		720		
				19	SPACE ONLY	20/1		20/1	RECEPTACLE	20		900		
				21	SPACE ONLY	20/1		20/1	O.D.	22			600	
				23	SPACE ONLY	20/1		20/1	EF-18	24			600	
				25	SPACE ONLY	20/1		20/1	RECEPTACLE	26		1080		
				27	SPACE ONLY	20/1		20/1	O.D.	28			600	
				29	SPACE ONLY	20/1		20/1	SPACE ONLY	30				
				31		20/1		20/1		32				
				33		20/1		20/1		34				
				35		20/1		20/1		36				
				37		20/1		20/1		38				
				39		20/1		20/1		40				
				41		20/1		20/1		42				
10.50	0.00	0.00	0.00		SUB TOTALS KVA				SUB TOTALS KVA		0.00	5.04	3.30	0.00

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 100A
MAIN: 100A MAIN CB
MOUNTING: SURFACE
REMARKS: 10,000 AIC
PROJ. NAME: DURANGO REC. FACILITY
JOB NUMBER: 07-96150
FILE NAME: L6.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
4.50	3.06	0.00	0.00	PHASE A	CONNECTED KVA	10.50	5.04	3.30	0.00
3.00	0.72	2.70	0.00	PHASE B	DEMAND	1.25	1.00	1.00	1.25
3.00	1.26	0.60	0.00	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	13.13	5.04	3.30	0.00
7.56	1.00	1.00	8.69	PHASE A	TOTAL CONNECTED KVA	18.84			
6.42	1.00	1.00	7.17	PHASE B	TOTAL ADJUSTED KVA	21.47			
4.86	1.00	1.00	5.61	PHASE C	PHASE TO PHASE VOLTAGE	208			
18.84			21.47	TOTAL	ADJUSTED PANEL AMPERAGE	59.65	'HIGH PHASE		72.38

PANEL L3

LTG	REC	MOTOR	HEAT	POLE	LOAD	CB AMP/P	PHASE A B C	CB AMP/P	LOAD	POLE	LTG	REC	MOTOR	HEAT
	1260			1	GENERAL OUTLETS	20/1		20/1	MULTI-FITNESS OUTLETS	2		900		
	1080			3	RESTROOM/LOCKERS	20/1		20/1	MULTI-FITNESS OUTLETS	4		[illegible]		
	500			5	EWC	20/1		20/1	MULTI-FITNESS OUTLETS	6		900		
	1080			7	MULTI-FITNESS OUTLETS	20/1		20/1	MULTI-FITNESS OUTLETS	8		720		
	1260			9	MULTI-FITNESS OUTLETS	20/1		20/1	MULTI-FITNESS OUTLETS	10		720		
	500			11	EWC	20/1		20/1	MULTI-FITNESS OUTLETS	12		720		
		500		13	SPARE	20/1		20/1	MULTI-FITNESS OUTLETS	14		720		
		600		15	EWC	20/1		20/1	HAND DRYER	16				1500
1500				17	MTG. ROOM LIGHTS	20/1		20/1	HAND DRYER	18				1500
1000				19	MTG. ROOM LIGHTS	20/1		20/1	HAND DRYER	20				1500
		800		21	OVERHEAD DOORS	20 /		20/1	HAND DRYER	22				1500
		800		23	OVERHEAD DOORS	/		20/1	EF-4	24			696	
		800		25	OVERHEAD DOORS	/ 3		20/1	EF-9	26			696	
	1000			27	FITNESS RECP.	20 /		20/1	EF-10	28			696	
	1000			29	FITNESS RECP.	/ 2		20/1	EF-7	30			696	
	1000			31	FITNESS RECP.	20 /		20/1	EF-8	32			696	
	1000			33	FITNESS RECP.	/ 2		20/1	EF-5	34			696	
	1000			35	FITNESS RECP.	20 /		20/1	EF-6	36			696	
	1000			37	FITNESS RECP.	/ 2		20/1	MEETING ROOM RECP.	38		1080		
		700		39	EF14 FC-9	20/1		20/1	MEETING ROOM RECP.	40		900		
		700		41	FC-21	20/1		20/1	SPARE	42				
2.50	11.68	4.90	0.00		SUB TOTALS KVA				SUB TOTALS KVA		0.00	7.56	4.87	6.00

VOLTAGE: 120/208V., 3PH., 4W.
BUS RATING: 200 AMP
MAIN: M.L.O.
MOUNTING: SURFACE
REMARKS: 10,000 AIC
JOB NAM DURANGO REC FACILITY
JOB NUMBER: '07-96150
FILE NAME: L3.TXT

PHASE LOADING LTG	REC	MOTOR	HEAT			LTG	REC	MOTOR	HEAT
1.00	7.76	2.00	1.50	PHASE A	CONNECTED KVA	2.50	19.24	9.77	6.00
0.00	6.86	3.40	3.00	PHASE B	DEMAND	1.25	1.00	1.00	1.00
1.50	4.62	3.50	1.50	PHASE C	SPARE	1.00	1.00	1.00	1.00
CONT	DMAN	SPARE	ADJ	KVA	ADJUSTED KVA	3.13	19.24	9.77	6.00
12.96	1.00	1.00	13.20	PHASE A	TOTAL CONNECTED KVA	37.51			
13.36	1.00	1.00	13.36	PHASE B	TOTAL ADJUSTED KVA	38.14			
11.21	1.00	1.00	11.58	PHASE C	PHASE TO PHASE VOLTAGE	208			
37.51			38.14	TOTAL	ADJUSTED PANEL AMPERAGE	105.98	'HIGH PHASE		111.27

RECORD DRAWINGS
117 OF 118
650.59

REVISION	DESCRIPTION	DATE	REV

WAYNE SCHREINER AIA
THOMAS M. SILVA AIA
1525 WEST OAKEY BLVD
LAS VEGAS, NV 89102
(702) 383-0077
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HSA ARCHITECTS

Sheet Title: ELECTRICAL PANELS & SCHEDULES
Job Title: CITY OF LAS VEGAS DEPARTMENT OF PARK AND LEISURE ACTIVITIES
DURANGO RECREATION FACILITY
Verify all Dimensions and Conditions at the Site

Job: 960901
Date: 2-20-98
Drawn By: MDV
Check: RGK
Sheet: E5.3
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