

SERVICE PANEL SP-1, 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB MIN INTERRUPTING RATING 22,000 RMS SYM AMPS LOCATION:DURANGO & LA MADRE NEMA 3R									
L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, SO=SPACE ONLY SC=SPARE CIRCUIT, E=EXISTING, G=GFI BREAKER, MLO=MAIN LUGS ONLY, N=NEW, MCB=MAIN CIRCUIT BREAKER, MLO=MAIN LUGS ONLY									
POLE SPACE CIRCUIT NO	CIRCUIT USE	CKT RATING	CONNECTED LOAD (VA)		CKT RATING	CIRCUIT USE	POLE SPACE CIRCUIT NO	CKT RATING	POLE SPACE CIRCUIT NO
1	MAIN	-	#A	#B	-	MAIN	2	-	-
3	MAIN	-	-	-	-	MAIN	4	-	-
5	SO	-	-	-	15	F-PHOTOCELLS C1	6	2	-
7	SO	-	100	-	-	SO	8	-	-
9	L-DURANGO-EAST SIDE	60/2	1350	-	-	SO	10	-	-
11	X	X	-	1350	-	SO	12	-	-
13	-	-	-	-	-	-	14	-	-
15	-	-	-	-	-	-	16	-	-
CONTACTOR SCHEDULE:			1450	1350	TOTAL PER PHASE				
			2800		TOTAL CONNECTED				
CONTACTOR #		RATING	No. POLES		CKT. #s				
C1		60	2		3				
PROVIDE TEST SWITCH ONE PER CONTACTOR									

SERVICE PANEL SP-2, 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB MIN INTERRUPTING RATING 22,000 RMS SYM AMPS LOCATION:DURANGO & HAMMER NEMA 3R									
L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, SO=SPACE ONLY SC=SPARE CIRCUIT, E=EXISTING, G=GFI BREAKER, MLO=MAIN LUGS ONLY, N=NEW, MCB=MAIN CIRCUIT BREAKER, MLO=MAIN LUGS ONLY									
POLE SPACE CIRCUIT NO	CIRCUIT USE	CKT RATING	CONNECTED LOAD (VA)		CKT RATING	CIRCUIT USE	POLE SPACE CIRCUIT NO	CKT RATING	POLE SPACE CIRCUIT NO
1	MAIN	—	#A	#B	—	MAIN	2	—	—
3	MAIN	—	—	—	—	MAIN	4	—	—
1	5 SC	60/2	—	—	15	F-PHOTOCELLS C1	6	2	—
7	X	X	100	—	15	L-SCHOOL FLASHERS	8	—	—
9	L-DURANGO-EAST SIDE	60/2	1350	500	—	SO	10	—	—
11	X	X	—	1350	—	SO	12	—	—
13	—	—	—	—	—	—	14	—	—
15	—	—	—	—	—	—	16	—	—
CONTACTOR SCHEDULE:			1450	1850	TOTAL PER PHASE				
			3300		TOTAL CONNECTED				
CONTACTOR #		RATING	No. POLES		CKT. #s				
C1		60	2		3				
PROVIDE TEST SWITCH ONE PER CONTACTOR									

STREETLIGHT CIRCUIT CAPACITY VERIFICATION		
CIRCUIT SP-1,CKT 3		
EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW (.80 x 60 AMPS)	48	AMPS
EXISTING CIRCUIT LOAD	0	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.60 AMP EACH	0	AMPS
0-150 WATT LUMINAIRES @ 0.90 AMPS EACH	0	AMPS
9-250 WATT LUMINAIRES @ 1.35 AMPS EACH	12.15	AMPS
0-400 WATT LUMINAIRES @ 1.90 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	12.15	AMPS
EXISTING PLUS PROPOSED LOAD	12.15	AMPS
REMAINING AVAILABLE LOAD	35.85	AMPS
AS OF 4/13/00 BY THOMAS M. ANDERSON, P.E.		

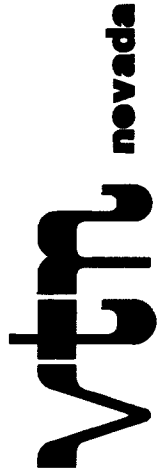
STREETLIGHT CIRCUIT CAPACITY VERIFICATION		
CIRCUIT SP-2,CKT 3		
EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW (.80 x 60 AMPS)	48	AMPS
EXISTING CIRCUIT LOAD	0	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.60 AMP EACH	0	AMPS
0-150 WATT LUMINAIRES @ 0.90 AMPS EACH	0	AMPS
9-250 WATT LUMINAIRES @ 1.35 AMPS EACH	12.15	AMPS
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TOTAL PROPOSED LOAD	12.15	AMPS
EXISTING PLUS PROPOSED LOAD	12.15	AMPS
REMAINING AVAILABLE LOAD	35.85	AMPS
AS OF 4/11/00 BY THOMAS M. ANDERSON, P.E.		

SEAL
ORIGINAL CONSTRUCTION
DRAWINGS ARE ON FILE WITH
THE CITY OF LAS VEGAS.
THE
DOCUMENTS WERE SEALED ON
8/15/02
BY
THOMAS M. ANDERSON
UNDER LICENSE NO.
13946
ELECTRICAL ONLY

WO. NO. 5346
BY WBM
DATE 08/13/02
SCALE HORIZ. NONE
VERT. NONE
DRAWING T2
SHEET 76
OF 84
SHEETS

TITLE STREET LIGHTING
CIRCUIT PANEL SCHEDULE &
CIRCUIT CAPACITY VERIFICATION
PROJECT DURANGO DRIVE IMPROVEMENTS
LONE MOUNTAIN ROAD TO TROPICAL PARKWAY

DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS



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