SERVICE PANEL SP-3931 N DURANGO*, 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB
MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION: DURANGO & ALEXANDER NEMA 3R

L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, SO=SPACE ONLY
SC=SPARE CIRCUIT, E=EXISTING, MLO=MAIN LUGS ONLY, N=NEW
MCB=MAIN CIRCUIT BREAKER. ALL LOADS IN VOLT-AMPS.

POLE SPACE		CIRCUIT USE	CKT BKR RATING	CONNECTED LOAD (VA)		CKT BKR RATING	CIRCUIT USE	POLE SPACE	
				ØA	ØB				
	1	MAIN	–	–		–	MAIN	2	
	3	MAIN	–	–		–	MAIN	4	
1	5	L-E-STREET LIGHTING	20/2**	900		20/2**	L-E-STREET LIGHTING	6	2
	7	L X	X	900		X	L X	8	
5	9	F-E-CONTACTOR, PC	15**	200		15**	F-E-CONTACTORS/PC	10	4
	11	SO	–	200		–	SO	12	
	13	SO	–	–		30	L-N-INTERSECTION LUMINARIES	14	10
	15	SO	–	1860		60	F-N SIGNAL CONTROLLER	16	12
				4060	5600	TOTAL PER PHASE			
				10660		TOTAL CONNECTED			

CONTACTOR SCHEDULE:

CONTACTOR #	RATING	No. POLES	CKT #'s
E – C1	60	2	1
E – C2	60	2	2

* – EXISTING SERVICE PEDESTAL
** – EXISTING CIRCUIT WITH BREAKER, STREET LIGHTING ALONG DURANGO AND ALEXANDER CURRENTLY BEING INSTALLED. VERIFY CKT LOADS PRIOR TO CONSTRUCTION.

SERVICE PANEL SP-CLV-3601 DURANGO*, 1 PH, 3 WIRE 120/240 VOLTS 200 AMP MAIN CB
MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION: DURANGO & GOWAN NEMA 3R

L=LIGHTS, R=RECEPTACLES, M=MECHANICAL EQUIPMENT, SO=SPACE ONLY
SC=SPARE CIRCUIT, E=EXISTING, MLO=MAIN LUGS ONLY, N=NEW
MCB=MAIN CIRCUIT BREAKER. ALL LOADS IN VOLT-AMPS.

POLE SPACE		CIRCUIT USE	CKT BKR RATING	CONNECTED LOAD (VA)		CKT BKR RATING	CIRCUIT USE	POLE SPACE	
				ØA	ØB				
	1	MAIN	–	–		–	MAIN	2	
	3	MAIN	–	–		–	MAIN	4	
1	5	L-E-STREET LIGHTING	20/2**	3730		30	L-N-INTERSECTION LUMINARIES	6	2
	7	L X	X	1860					
5	9	F-E-CONTACTOR, PC	20		3730	60	F-N SIGNAL CONTROLLER	8	4
	11	SO	–	200		–	SO	10	
	13	–	–	–		–	SO	12	
	15	–	–	–		–	–	14	
				–		–	–	16	
				5790	8530	TOTAL PER PHASE			
				14320		TOTAL CONNECTED			

CONTACTOR SCHEDULE:

CONTACTOR #	RATING	No. POLES	CKT #'s
E – C1	60	2	1

* – EXISTING SERVICE PEDESTAL
** – EXISTING CIRCUIT WITH BREAKER, CITY OF LAS VEGAS TO RE-CIRCUIT CONNECTED LOADS PRIOR TO PROJECT. VERIFY CITY OF LAS VEGAS HAS COMPLETED WORK OR COORDINATE COMPLETION OF WORK WITH CITY OF LAS VEGAS.

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

CIRCUIT 3450 N. DURANGO DRIVE, NPCO METER #874-94565

EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW 80%	48	AMPS
EXISTING CIRCUIT LOAD	16.9	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.6 AMP EACH	0	AMPS
1-250 WATT LUMINAIRES @ 1.3 AMPS EACH	1.35	AMPS
0-400 WATT LUMINAIRES @ 3.9 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	1.35	AMPS
EXISTING PLUS PROPOSED LOAD	18.25	AMPS
REMAINING AVAILABLE LOAD	29.75	AMPS

AS OF 6/4/98 BY STEVEN PAY, E.I.

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

CIRCUIT DURANGO DRIVE SOUTH OF RED COACH,
NPCO METER #874-080226

EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW 80%	48	AMPS
EXISTING CIRCUIT LOAD	14.85	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.6 AMP EACH	0	AMPS
1-250 WATT LUMINAIRES @ 1.3 AMPS EACH	1.35	AMPS
0-400 WATT LUMINAIRES @ 3.9 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	1.35	AMPS
EXISTING PLUS PROPOSED LOAD	16.20	AMPS
REMAINING AVAILABLE LOAD	31.80	AMPS

AS OF 6/4/98 BY STEVEN PAY, E.I.

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

CIRCUIT 8414 CINNAMON HILL AVENUE, NPCO METER #874-101378

EXISTING SERVICE POINT CAPACITY	60	AMPS
MAXIMUM ALLOWABLE DRAW 80%	48	AMPS
EXISTING CIRCUIT LOAD	13.70	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
0-100 WATT LUMINAIRES @ 0.6 AMP EACH	0	AMPS
1-250 WATT LUMINAIRES @ 1.3 AMPS EACH	1.35	AMPS
0-400 WATT LUMINAIRES @ 3.9 AMPS EACH	0	AMPS
TOTAL PROPOSED LOAD	1.35	AMPS
EXISTING PLUS PROPOSED LOAD	15.05	AMPS
REMAINING AVAILABLE LOAD	32.95	AMPS

AS OF 6/4/98 BY STEVEN PAY, E.I.

REV	DATE	BY	REVISION

DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS

vtn nevada
CONSULTING ENGINEERS ● PLANNERS ● LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89102-5148 PHONE (702) 873-7550 FAX (702) 362-2597

TITLE
STREET LIGHTING
CIRCUIT PANEL SCHEDULE &
CIRCUIT CAPACITY VERIFICATION

PROJECT
DURANGO DRIVE IMPROVEMENTS
CHEYENNE AVENUE TO LONE MOUNTAIN ROAD

SEAL

W.O. NO.	5249
BY	RCH,WBM
DATE	07/17/98
SCALE HORIZ.	NONE
SCALE VERT.	NONE
DRAWING	T2
SHEET	77 OF 106 SHEETS

VIEW "Pb-LT" (MS)
I:\CAD\PUBWKS\5249\5249-T2.DWG

32261

RECORD DRAWING 03/23/01