PANEL: XHA

DATE: 03/18/95 TIME: 09:31:38
JOB: 4530

PANEL VOLTAGE: 480/277 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 14,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	

PANEL: XLA

DATE: 03/18/95 TIME: 09:33:18
JOB: 4530

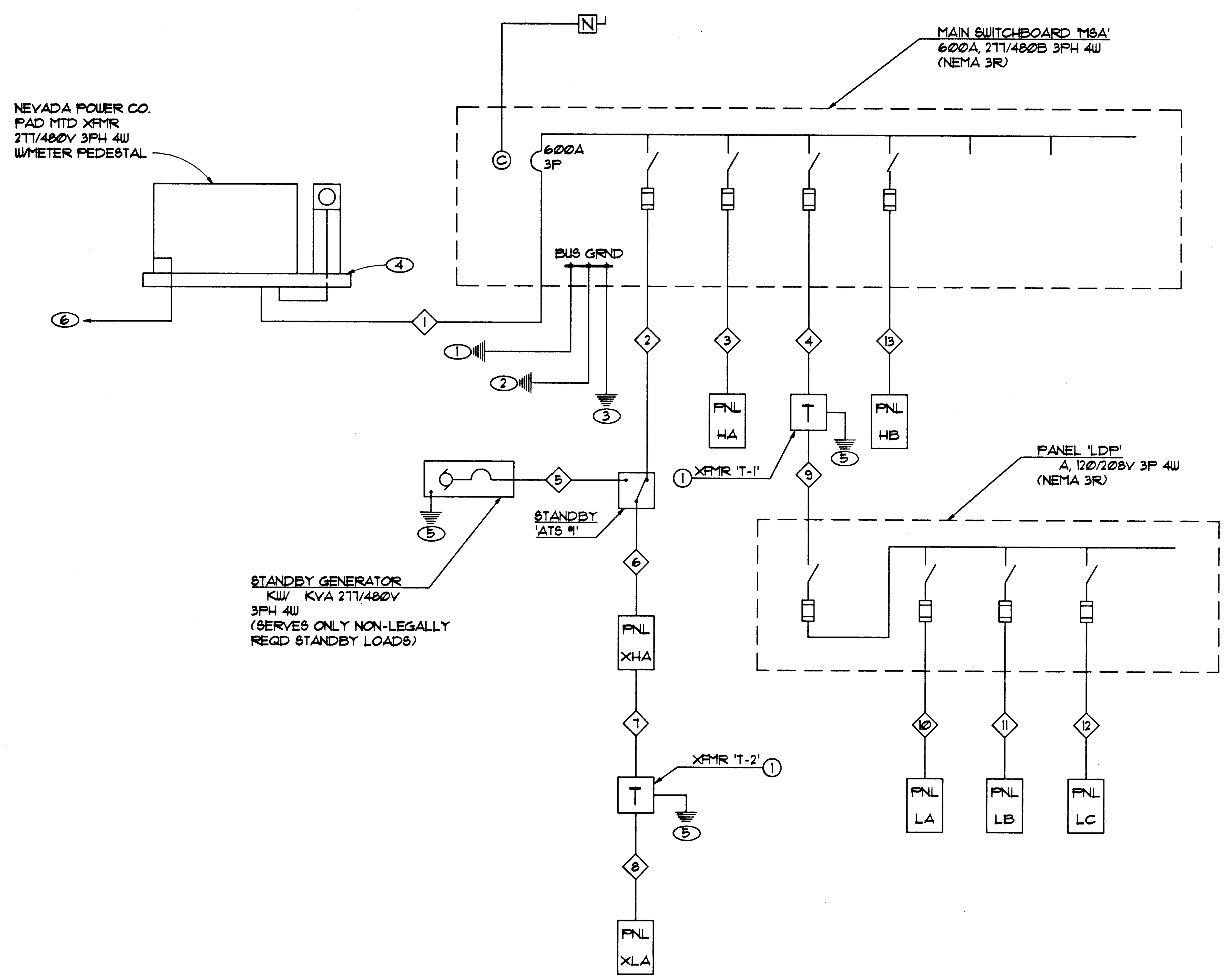
PANEL VOLTAGE: 208/120 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 10,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	



SINGLE LINE DIAGRAM

FEEDER SCHEDULE

FDR. NO.	FROM	TO	LOAD KVA	CONDUIT & 75°C CU. WIRE SIZE
1	NEV. PO. CO. PAD MTD XFMR	MAIN SW BD MSA		
2	MAIN SW BD MSA	STANDBY ATS #1		
3	MAIN SW BD MSA	PANEL HA		
4	MAIN SW BD MSA	XFMR T-1		
5	STANDBY GEN	STANDBY ATS #1		
6	STANDBY ATS #1	PANEL XHA		
7	PANEL XHA	XFMR T-2		
8	XFMR T-2	PANEL XLA		
9	XFMR T-1	PANEL LDP		
10	PANEL LDP	PANEL LA		
11	PANEL LDP	PANEL LB		
12	PANEL LDP	PANEL LC		
13	MAIN SW BD MSA	PANEL HB		

NOTES

1. 20 LF OF #2/0 BC ENCASED ELECTRODE PER N.E.C. 250-81(c).
2. ¾"-1 #2/0 TO COLD WATER PIPING PER N.E.C. 250-81(a).
3. ¾"-1 #2/0 TO BUILDING STEEL PER N.E.C. 250-81(b).
4. CONSTRUCT TRANSFORMER PAD AND METER PEDESTAL PER NEVADA POWER CO. REQUIREMENTS.
5. GROUND PER N.E.C. 250-26(c).
6. TO NEVADA POWER CO. SERVICE POINT, PROVIDE ALL RACEWAYS, TRENCHING, BACKFILL, PADS PULLBOXES, ETC., AS REQUIRED. COORDINATE REQUIREMENTS WITH NEVADA POWER CO.

PANEL: HA

DATE: 03/18/95 TIME: 09:35:19
JOB: 4530

PANEL VOLTAGE: 480/277 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 14,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	

PANEL: HB

DATE: 03/21/95 TIME: 09:51:27
JOB: 4530

PANEL VOLTAGE: 480/277 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 14,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION
1	80°C RISE 480V 3PH 3W DELTA 120-/208V 3PH 4W WYE DAY TYPE XFMR

PANEL: LA

DATE: 03/18/95 TIME: 09:36:11
JOB: 4530

PANEL VOLTAGE: 208/120 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 10,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	

PANEL: LB

DATE: 03/18/95 TIME: 09:37:09
JOB: 4530

PANEL VOLTAGE: 208/120 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 10,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	

PANEL: LC

DATE: 03/18/95 TIME: 09:38:07
JOB: 4530

PANEL VOLTAGE: 208/120 3Φ 4 W
BUS: X
MAINS: X LOCATION: LOC
AIC RATING: 10,000 MOUNTING: MOU

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT:

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION: DESCRIPTION (NOTE)	M	R	L	CONNECTED VA: ΦA	ΦB	ΦC	A B C	ΦA	ΦB	ΦC	L	R	M	LOAD DESIGNATION: (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1				x				x				x						x				2
3				x					x				x					x				4
5				x						x				x				x				6
7				x				x				x						x				8
9				x					x				x					x				10
11				x						x				x				x				12
13				x				x				x						x				14
15				x					x				x					x				16
17				x						x				x				x				18
19				x				x				x						x				20
21				x					x				x					x				22
23				x						x				x				x				24
25				x				x				x						x				26
27				x					x				x					x				28
29				x						x				x				x				30
31				x				x				x						x				32
33				x					x				x					x				34
35				x						x				x				x				36
37				x				x				x						x				38
39				x					x				x					x				40
41				x						x				x				x				42

PANEL NOTES: PHASE TOTALS ΦA: ΦB: ΦC:

TOTAL CONNECTED VA	
CONNECTED VA (CODE N)	
CONNECTED VA (CODE L)	
CONNECTED VA (CODE R)	
CONNECTED VA (CODE K)	
PANEL CONNECTED KVA	
PANEL DEMAND KVA	
PANEL DEMAND AMPS	
HIGH Φ AMPS W/LCL	

SHEET PLOT SCALE: 1/8"=1'0"
SHEET FILE NAME: EG1Ø1

ISSUED FOR CONTRACTOR DEVELOPMENT OF AS BUILT DOCUMENTS

4443

709 Valle Verde Court
Henderson, Nevada 89014
Tel. 702 . 456 . 3000
Fax. 702 . 898 . 6209

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Consultant
JBA CONSULTING ENGINEERS

Sheet Title
SINGLE LINE DIAGRAM & PANEL SCHEDULES

Project
CITY OF LAS VEGAS
WEST VEHICLE SERVICE CENTER

Revisions

Date: 03.21.95
Sheet No. 44
E4.01
522-V61
4530

As-built