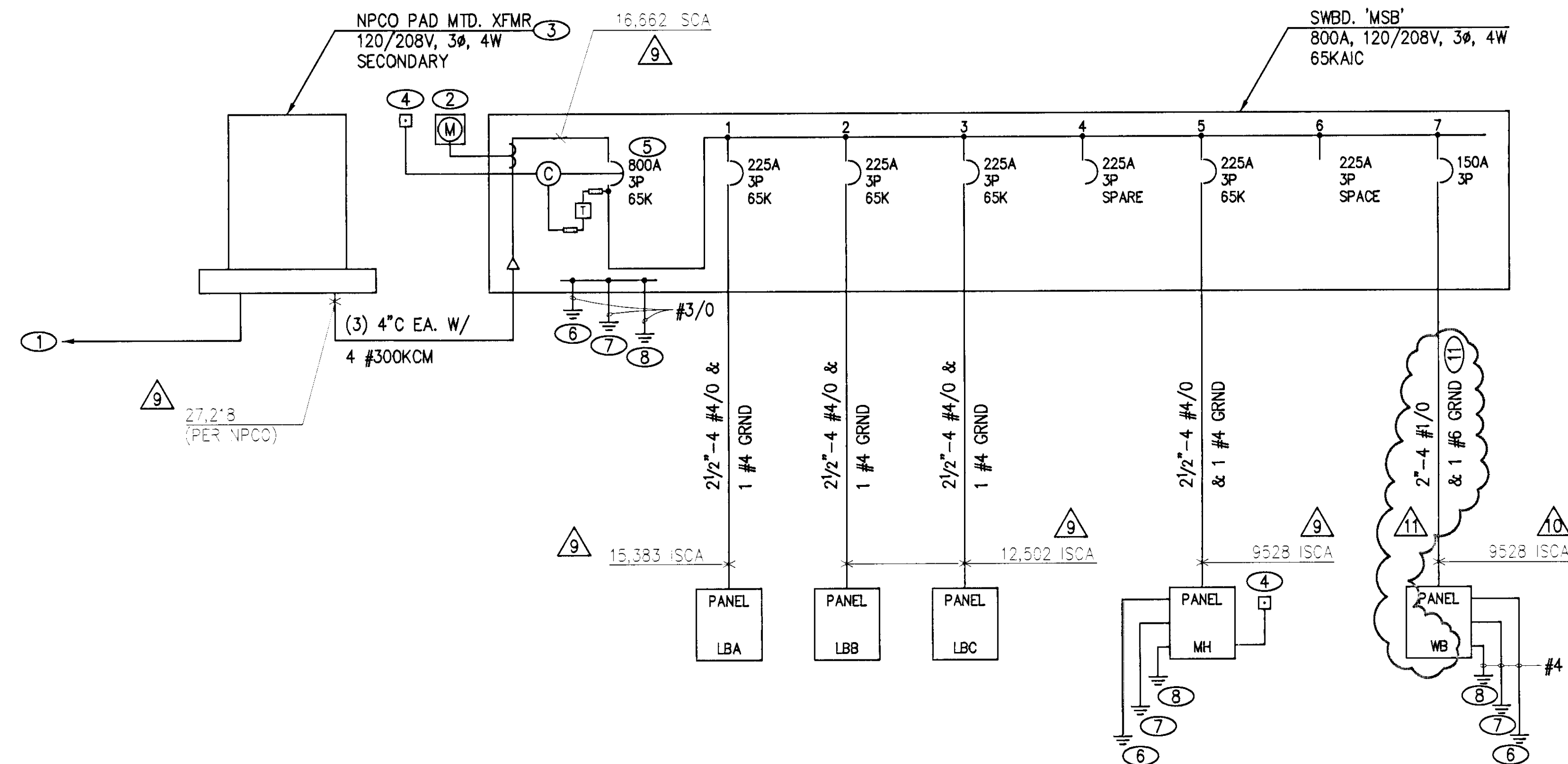
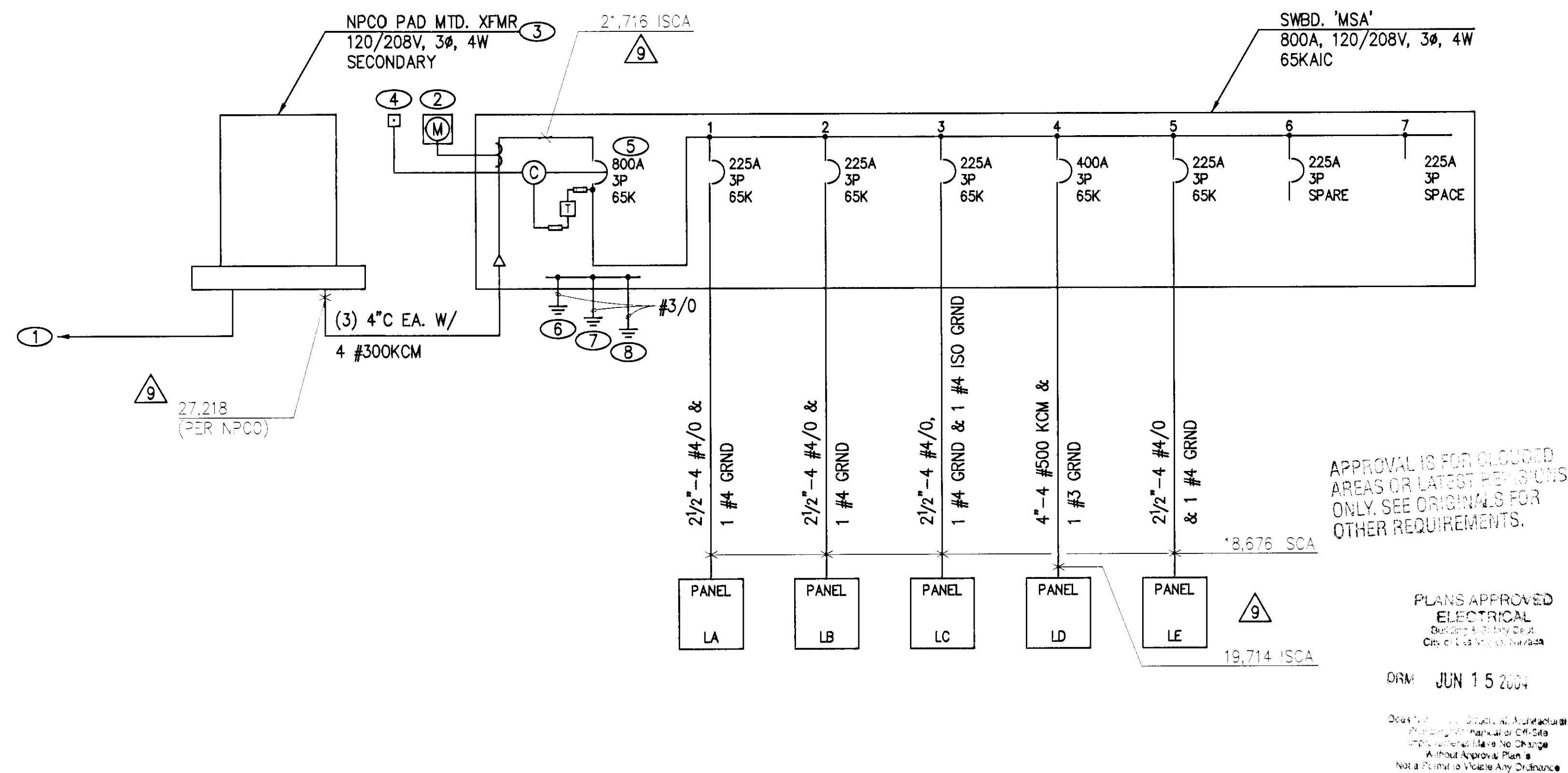




SINGLE LINE DIAGRAMS 1
N.T.S. E5.01

LOAD CALCULATIONS

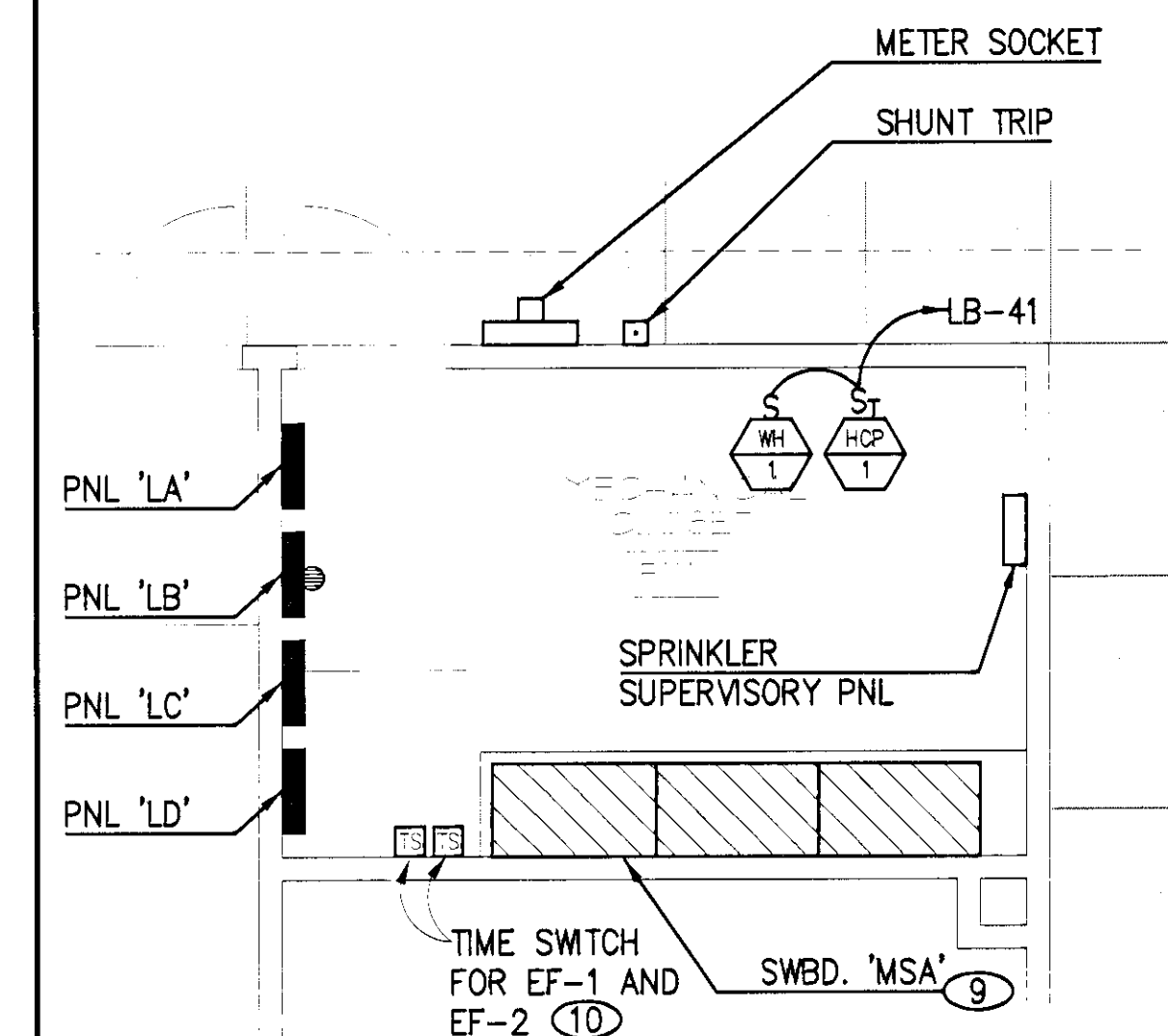
PANEL 'MSB'	
PANEL 'LBA'	= 44 KVA
PANEL 'LBB'	= 58 KVA
PANEL 'LBC'	= 17 KVA
PANEL 'MH'	= 48 KVA
PANEL 'WB'	= 37 KVA
TOTAL	= 196 KVA/
208V, 3Ø	= 544 AMPS

NOTICE

1. PROVIDE SERIES RATING BETWEEN FEEDER, CIRCUIT BREAKER AND BRANCH CIRCUIT BREAKERS. INDICATE SERIES RATING DATA ON SHOP DRAWINGS/SUBMITTALS. SYSTEM SHALL BE 65K-10K.

NOTES

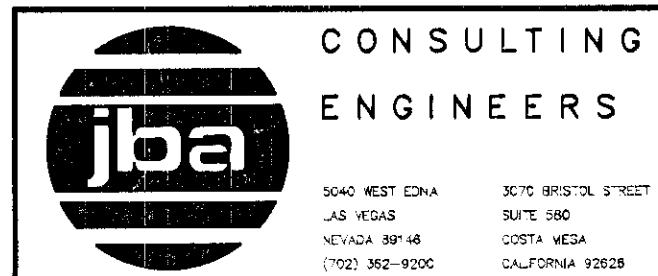
- 1 NEVADA POWER COMPANY SERVICE POINT. PROVIDE RACEWAYS, PADS, TRENCHING, BACKFILL, ETC. PER NEVADA POWER COMPANY DRAWINGS.
- 2 METERING PER NEVADA POWER COMPANY REQUIREMENTS.
- 3 CONSTRUCT PAD PER NEVADA POWER COMPANY REQUIREMENTS.
- 4 SHUNT TRIP STATION, LABEL AND IDENTIFY PER LOCAL REQUIREMENTS.
- 5 SHUNT TRIP CIRCUIT BREAKER.
- 6 20LF OF CONCRETE ENCASED ELECTRODE CU PER NEC 250-50(c).
- 7 GROUND PER NEC 250-50(a).
- 8 GROUND PER NEC 250-50(b).
- 9 PROVIDE 4" RAISED CONCRETE PAD.
- 10 TIME SWITCH WITH A 7 DAY, 24 HOUR DIAL AND BATTERY RESERVE.
- 11 UTILIZE SPARE 2" C STUB FOR PART OF RUN, SEE ES1.01.



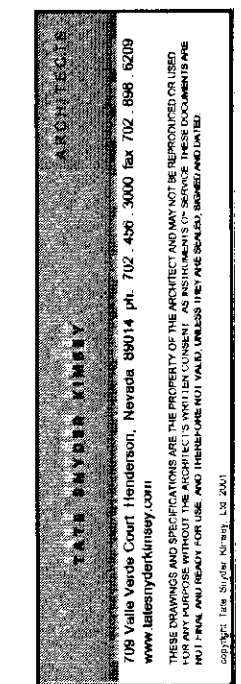
ENLARGED FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0" E5.01

CITY OF LAS VEGAS NOTES

1. THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE IS ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
2. THE ENGINEER OF RECORD HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS AND ALL BRANCH CIRCUITS AND FEEDERS COMPLY WITH NEC 210-19(a) FPN No. 4.



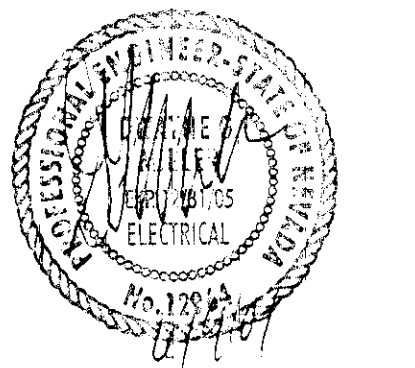
REVISIONS
9 FEB. 11, 2004 GEN. REVISION
10 MAR. 03, 2004 ADDED BOOSTER PUMPS
11 MAY 5, 2004 GEN. REVISION



CONSULTANT

CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
BUFFALO DRIVE AND PEAK ROAD
LAS VEGAS, NEVADA
SINGLE LINE DIAGRAM

JUN 11 2004
CITY OF LAS VEGAS
BUILDING DEPT.



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

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TDD: (702) 386-9108

DRAWN: YES
FILE: 643-ES01.DWG
DATE: 10/16/02
SCALE: NONE
SHEET NO: 02.15341.09
DRAWING NO: 07-V3548

E5.01

711743