## NOTES: (THIS DRAWING ONLY)

1. — ENGINE GENERATOR - SEE SPECS.
2. — PANEL "DPE" - SEE SCHEDULE.
3. — EXISTING ELEVATOR CONTROLLER. INTERRUPT EXISTING ELEV. CIRCUIT AND INSTALL NEW AUTOMATIC TRANSFER SWITCH AS SHOWN.
4. — CORE DRILL FOR ELEV. FEEDER & CONTROL CONDUITS.
5. — SELF CONTAINED DOMESTIC WATER PUMPING STATION; COMPLETE WITH STARTERS, OVERLOADS, CONTROLS, INTERLOCKS, ALTERNATOR & INTEGRAL WIRING. ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL FEED WIRING & SAFETY SWITCH DISCONNECT AS SHOWN ON THESE DRAWINGS.
6. — CORE DRILL FOR CONDUITS
7. — SUBMIT SHOP DRAWINGS FOR:
   1. SWITCHBOARD "MAA"
   2. — PANEL "DPE"
   3. — ENGINE GENERATORS Nº 1 & Nº 2.
   4. — AUTOMATIC TRANSFER SWITCHES ATS-1, ATS-2, ATS-3, ATS-4 & ATS-5.
   5. — ELEVATOR CONTROL PANEL
   6. — PANELBOARD "CA"
   7. — DIMMER BANK "DM"
8. — REDUCED VOLTAGE STAR DELTA MAGNETIC STARTER SIZE NEMA 3R WITH 200/3 FUSED SWITCH W/ LPNR FUSES. FURN. & INSTALLED COMPLETE BY ELEC. CONTRACTOR.
9. — PRESSURE SWITCH FURNISHED & INSTALLED BY SPRINKLER CONTRACTOR, WIRED COMPLETE BY ELECTRICAL CONTRACTOR.
10. — 60 AMP 3-POLE NEMA 3R DISCONNECT SAFETY SWITCH, FUSED WITH THREE 50 AMP LPNR BUSSMANN FUSES OR EQUAL. 480 VOLT
11. — 4 11/16" SQ. JUNCTION BOX FLUSH IN BUILDING WALL MOUNTED AT +115"± FOR BUILDING SIGN. SIGN SHALL BE NEON WITH XFMRS. AS REQ'D BY SIGN CO. VERIFY EXACT LOCATIONS OF SIGNS WITH ARCHITECTURAL ELEVATIONS & YOUNG ELECTRIC SIGN CO. PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR PROVIDE & INSTALL J-BOXES, CONDUIT, FEEDERS & NEON RETURN CONDUITS AS REQUIRED. TYPICAL TWO PLACES EAST & WEST ELEVATIONS.
12. — PROVIDE & INSTALL A 30A 4-POLE LIGHTING CONTACTOR NEMA 1 ENCLOSURE ELEC. HELD, ELEC. OPERATED, 115 VOLT COIL PHOTOCELL CONTROL, ASCO OR EQUAL.
13. — REMOTE CONTROL PANEL TO BE LOCATED AT CLERK'S COUNTER. CONTROL PANEL SHALL BE ELECTRO CONTROLS MODEL Nº CIA-G.M. WITH GRAND MASTER CONTROL.
14. — DIMMER BANK "DM" SHALL BE AN ELECTRO CONTROLS EC DIM 6A B/2QC-1A-R, ELECTRONIC PANELETTE WITH (12) 2.4 KW DIMMERS, (1) SCENE PRESET, LOCKING DOORS. CABINET SIZE 36"×40"×14" DEEP, NEMA 1, VENTILATED TOP & BOTTOM. DIMMERS SHALL BE BUSSED 100 AMP 120/208 V., 3φ, 4 WIRE. CONTROL PANEL SHALL BE REMOTE, SEE (13).
15. — 112.5 KVA 480-208 Y/120 V. DRY TYPE XFMR WITH TAPS ABOVE & BELOW NORMAL. DRY TYPE XFMR SHALL BE OF THE SAME MANUFACTURE AS THE SWITCHGEAR & PANELBOARDS. "TR-1"
16. — 30 KVA 480-208 Y/120 V. DRY TYPE XFMR WITH TAPS ABOVE & BELOW NORMAL. DRY TYPE XFMR SHALL BE OF THE SAME MANUFACTURE AS THE SWITCHGEAR & PANELBOARDS.
17. — PROVIDE & INSTALL IN EXISTING 1200 AMP SWITCHBOARD A NEW CIRCUIT BREAKER. 400/3 WITH ALL HARDWARE, NAME PLATE, ETC.
18. — 3½"×3½"×4" COMPUTER TERMINAL PULL BOX. STENCIL EACH PULL BOX "COMPUTER TIE" LOCATE ADJACENT TO TELE TERM. EACH FLOOR.
19. — 20 AMP DUPLEX RECEPTACLE WIRED WITH SEP. GREEN GROUND (2-CLEAN CIRCUIT). TYPICAL EACH COMPUTER TIE J-BOX.
20. — STENCIL ON EACH 4" CONDUIT W/ RED PAINT "COMPUTER TIE" (TYP.).
21. — PROVIDE 2" CONDUIT LATERAL RUNS WITH A J-BOX EVERY 10'. STENCIL "COMPUTER TIE" ON EACH CONDUIT & EACH J-BOX WITH RED PAINT (TYPICAL).
22. — SAME AS (14) EXCEPT 15 KVA
23. — SAME AS (16) EXCEPT 45 KVA

## CALCS

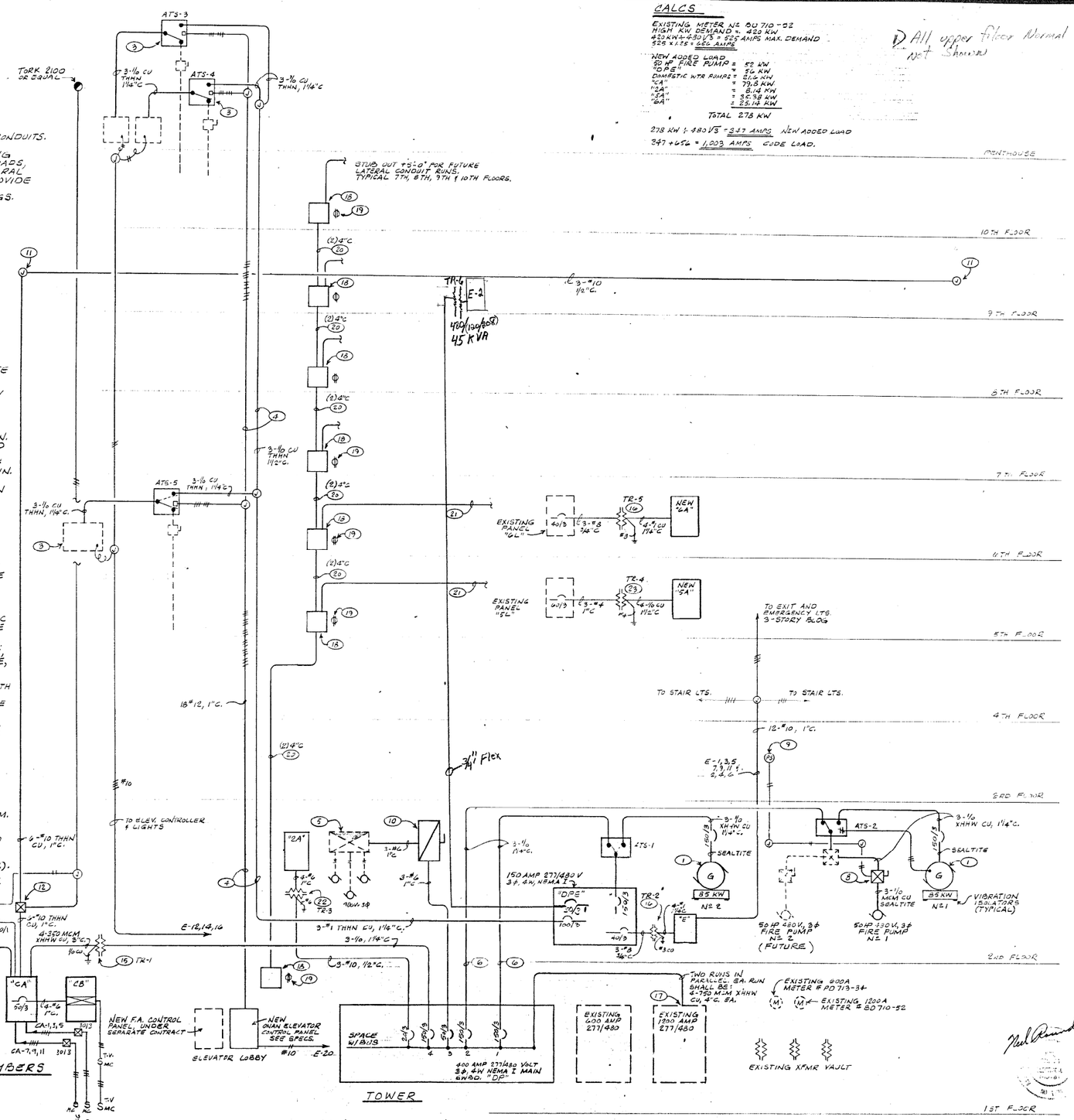
EXISTING METER Nº BU 710-02
HIGH KW DEMAND = 420 KW
420 KW ÷ 480 V/S = 525 AMPS MAX. DEMAND
525 × 1.25 = 656 AMPS

NEW ADDED LOAD
50 HP FIRE PUMP = 52 KW
"DPE" = 56 KW
DOMESTIC WTR PUMPS = 21.6 KW
"CA" = 79.8 KW
"CB" = 8.14 KW
"CA" = 35.98 KW
"CA" = 25.14 KW

TOTAL 278 KW

278 KW ÷ 480 V/S = 347 AMPS NEW ADDED LOAD
347 + 656 = 1,003 AMPS CODE LOAD.

D All upper floor Normal Power & MCC's not shown




PARTIAL SINGLE LINE DIAGRAM — NOT TO SCALE

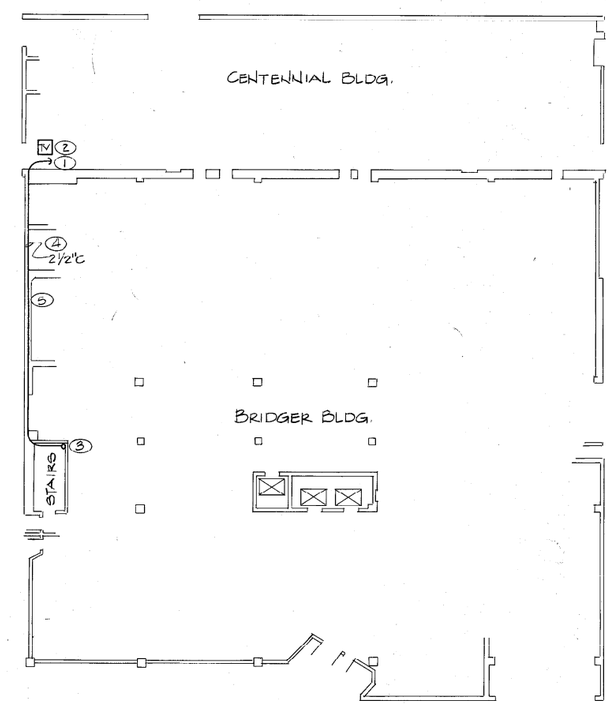

KEITH EDWARD FARRIS ASSOCIATES
architecture planning interiors
844 east sahara las vegas, nv. 89104 (702) 737-7444
consultants


sheet title ELECTRICAL DIAGRAMS
job title Bridger Bldg REMODELING & RELOCATION OF CLARK COUNTY OFFICES PHASE I
job no. 8002C
date JAN. 12, 1981
sheet no. E-8

E-8

NOTES:

1. INSTALL 2-2" CONDUIT DOWN THRU ROOF. WATERPROOF AND SEAL AREA AS DIRECTED BY ARCHITECT. SEE CONTINUATION DRAWING E-6.
2. NEW TV ANTENNA TO BE ADDED TO ROOF BY OWNER. CONNECT 2" RGS OF STRUCTURE BELOW AND EXTEND 36" ABOVE ROOF WITH WEATHER-HEAD.
3. RUN 2" CONDUIT UP TO TERMINAL BOX LOCATED IN THE FIFTH FLOOR STAIRWELL.
4. PROVIDE BELDEN #9774 FROM RADIO OUTLET (SEE DRAWING E-6) TO TERMINAL IN THE CABINET IN THE FIFTH FLOOR STAIRWELL.
5. RUN CONDUIT BEHIND BUILDING FACADE.




**BRIDGER BUILDING / CENTENNIAL BUILDING – 3RD FLOOR PLAN**
SCALE: 1/16"=1'-0"

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

SHEET TITLE: ELECTRICAL DETAILS

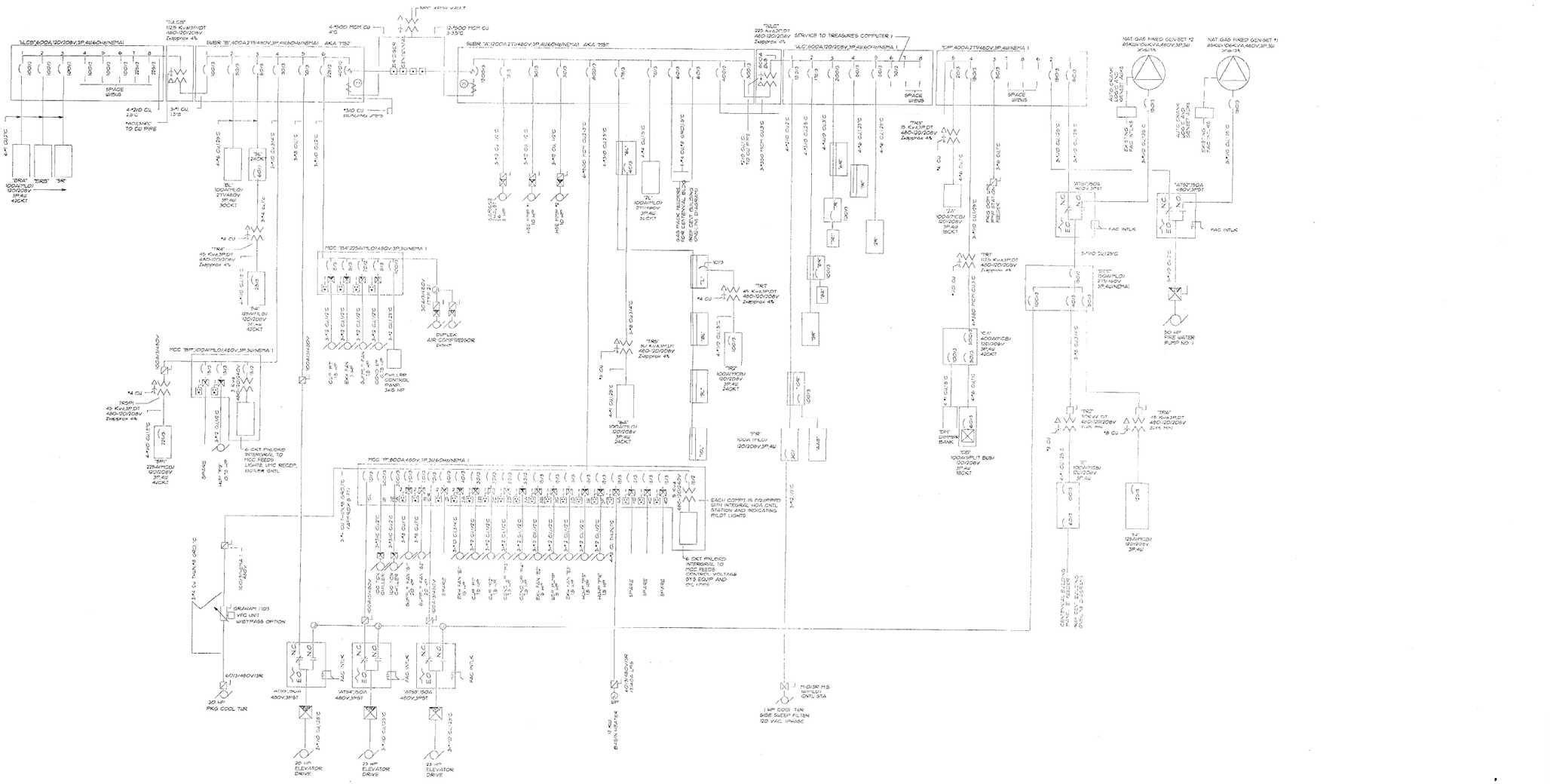
PROJECT: CENTENNIAL BUILDING

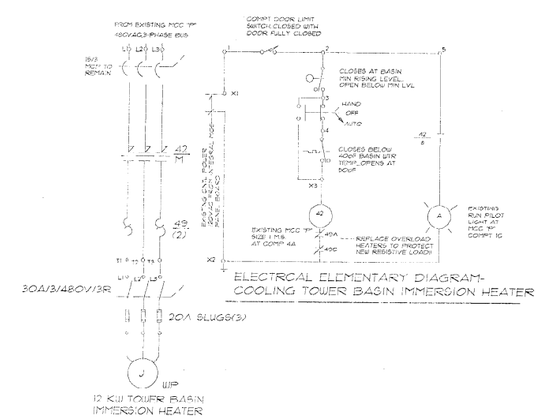
DRAWN BY: MARILYN
JOB NUMBER: 0116
DATE: 9-7-90

RECOMMENDED:
DATE:

TJ KROB CONSULTING ENGINEERS, INC.
3160 S. VALLEY VIEW BLVD. SUITE 207
LAS VEGAS, NEVADA 89102
(702) 871-3621
ELECTRICAL ENGINEERING

SHEET: E-8
OF: 1609




ELECTRICAL ELEMENTARY DIAGRAM-
COOLING TOWER BASIN IMMERSION HEATER

GENERAL REVISIONS 21-22 APR93 !!

CLARK COUNTY
General Services Department
Facilities Services Division
225 Bridger Avenue
Las Vegas, Nevada 89155
(702) 455-4616

Date: 08-31-92
Project No: ____
Drawn By: PWA
Designed By: ____
Approved By: ____

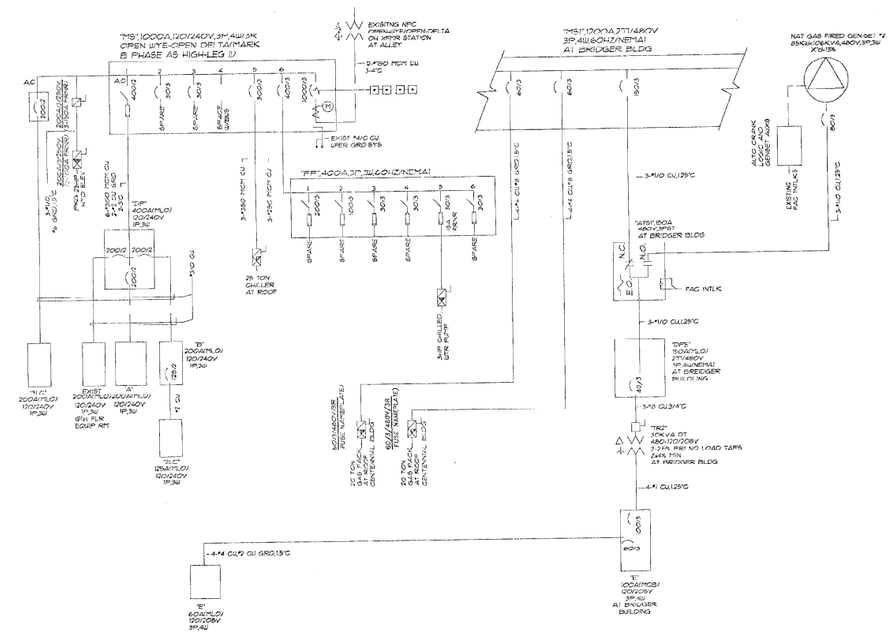
PROJECT: CLARK COUNTY BRIDGER BUILDING
LAS VEGAS, NEVADA

SHEET TITLE: ELECTRICAL ONE LINE

SHEET 1 OF 2

1604

REMEMBER TO
RESTORE PANELS !!




ONE LINE DIAGRAM
CENTENNIAL BUILDING

CLARK COUNTY
General Services Department
Facilities Services Division
225 Bridger Avenue
Las Vegas, Nevada 89155
(702) 455-3616

Date: 06-31-92
Project No: N/A
Drawn By:
Designed By:
Approved By:

PROJECT: CLARK COUNTY BRIDGER BUILDING
LAS VEGAS, NEVADA

SHEET TITLE: ELECTRICAL ONE LINE

SHEET 2 OF 2

1609