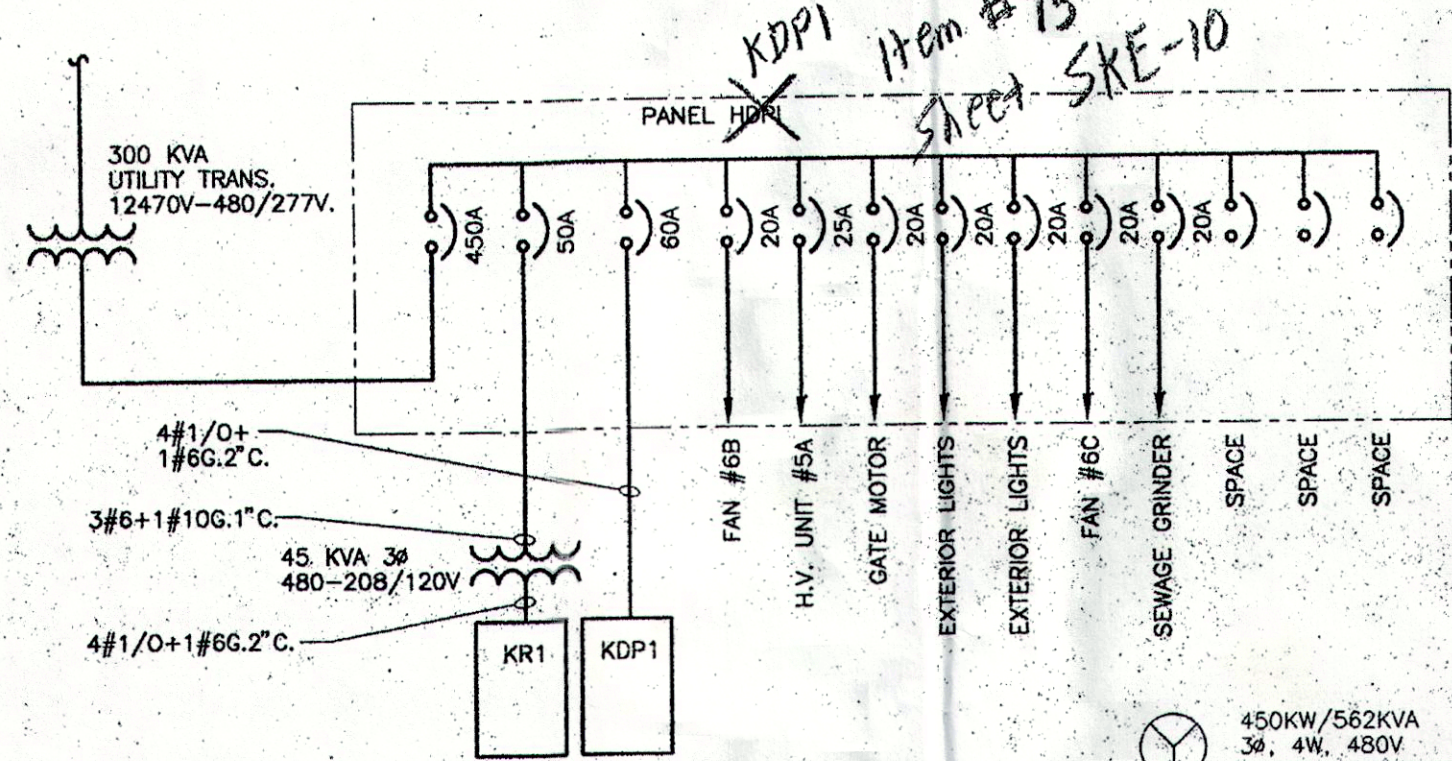
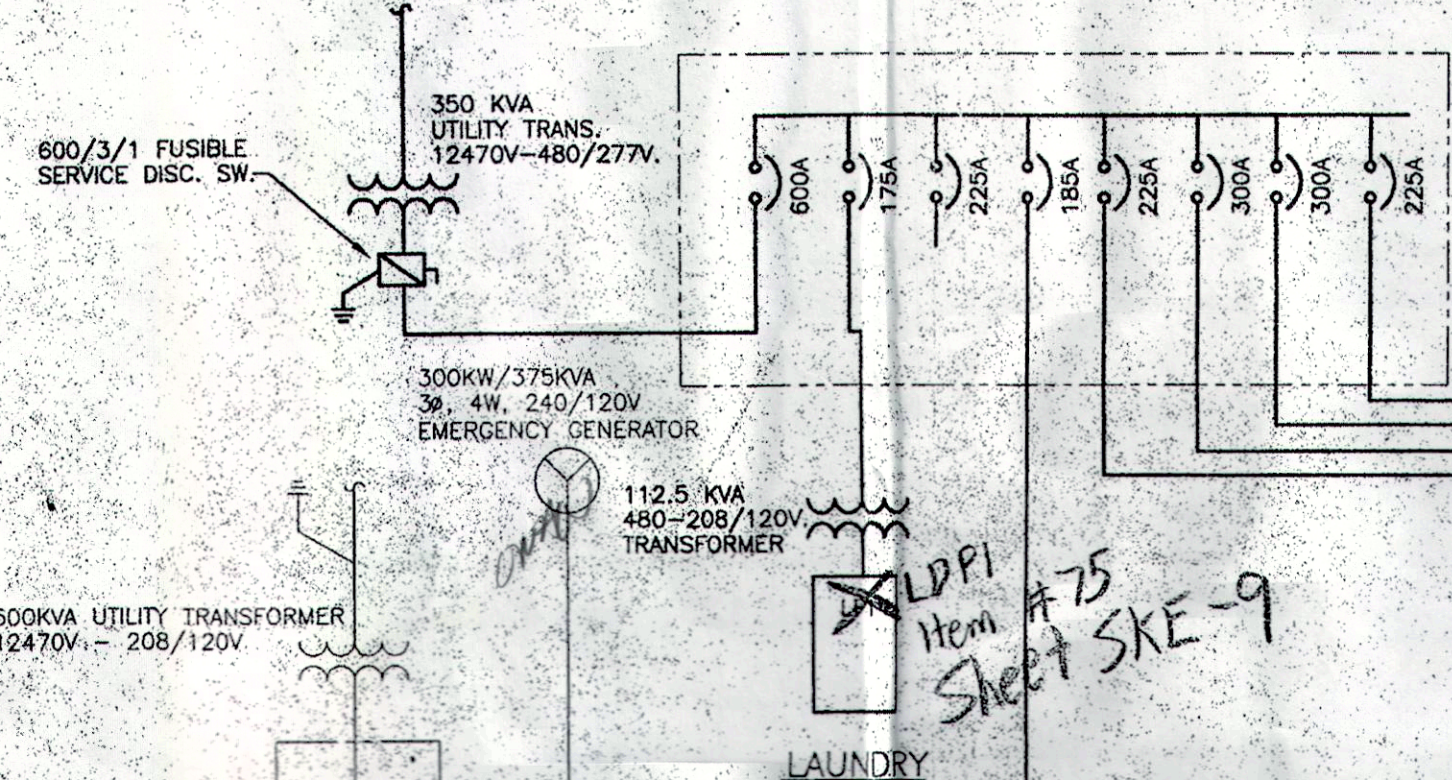


Exhibit #2

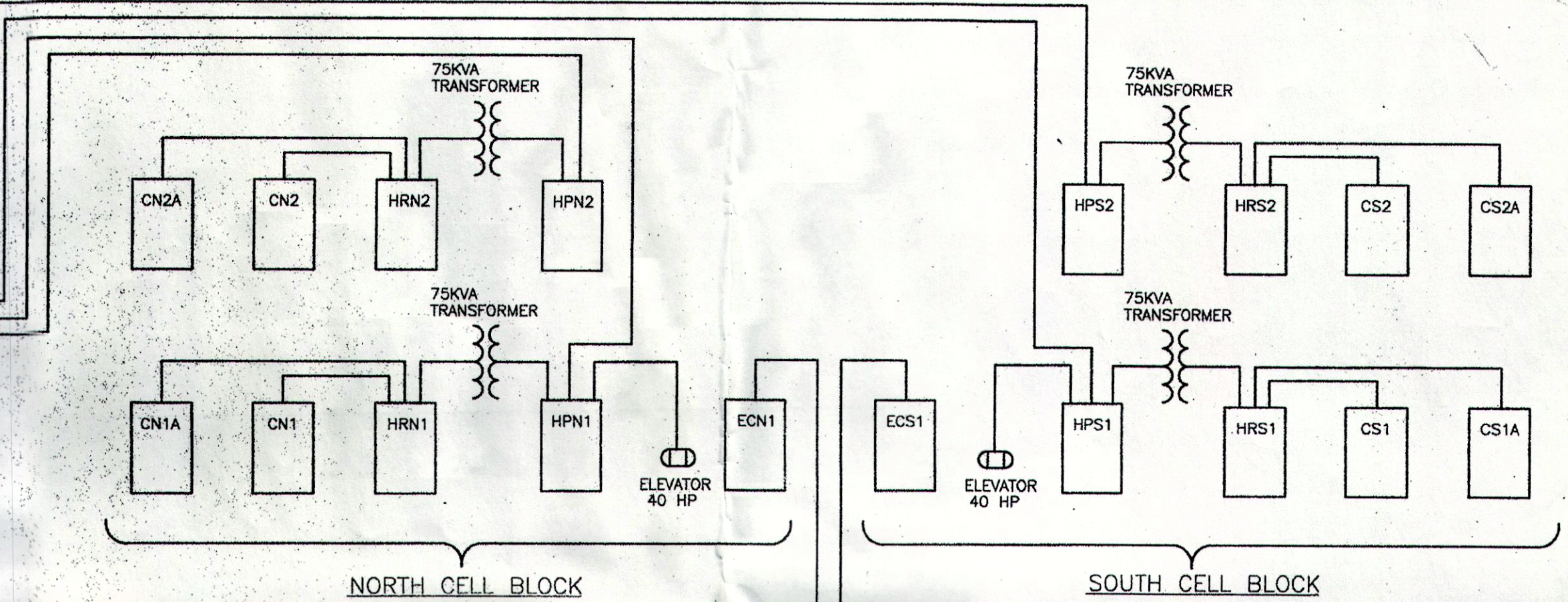
One Line Drawing – South Electric Room



NEW PRISON INDUSTRIES

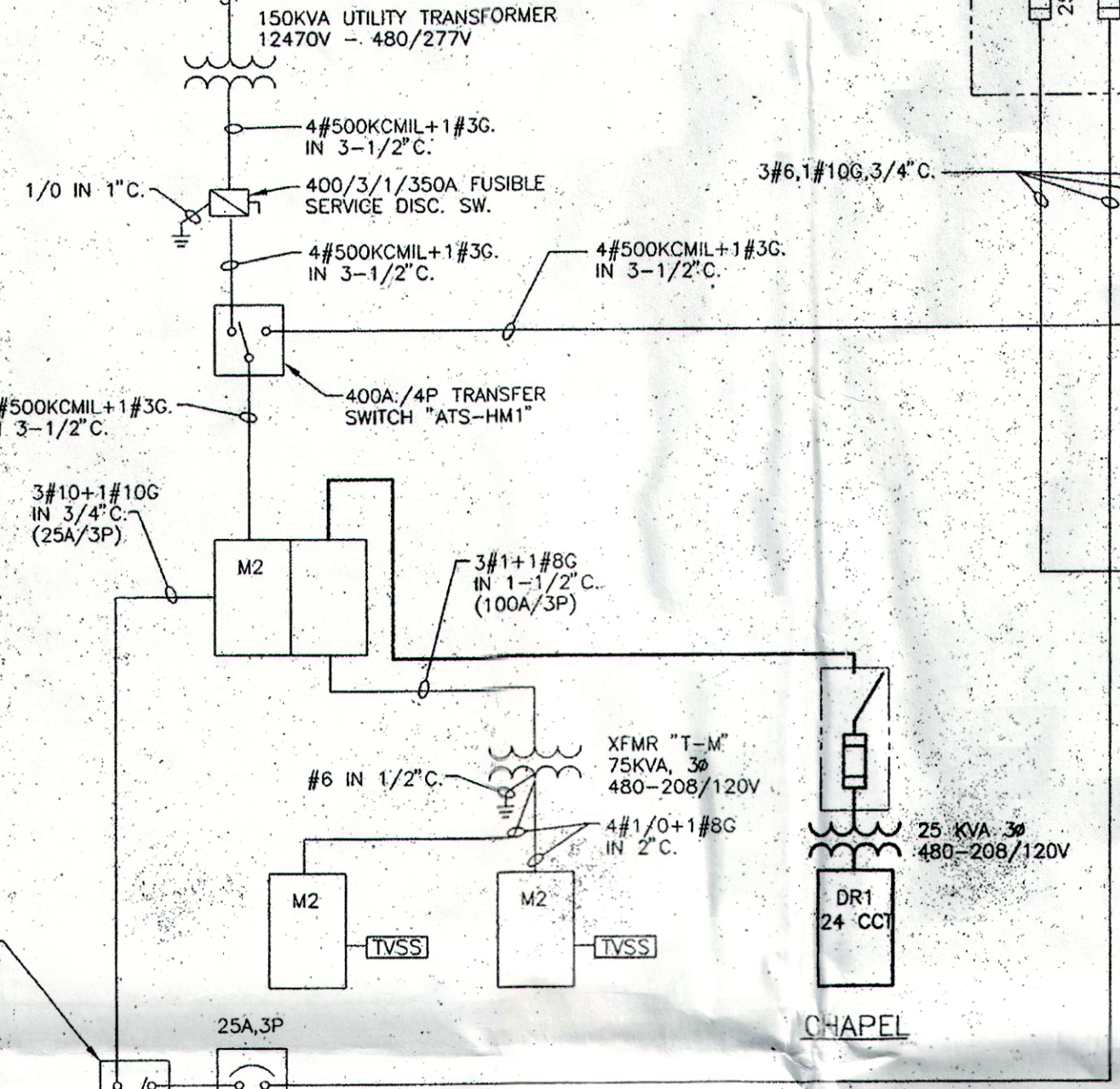


LAUNDRY

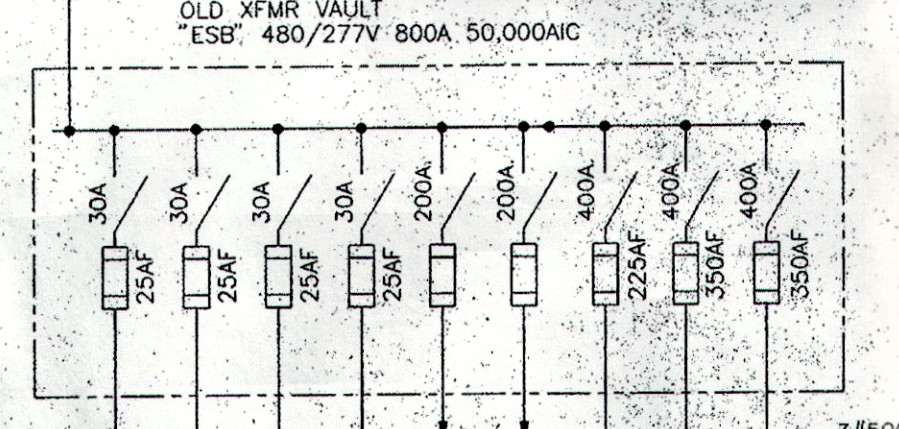


NORTH CELL BLOCK

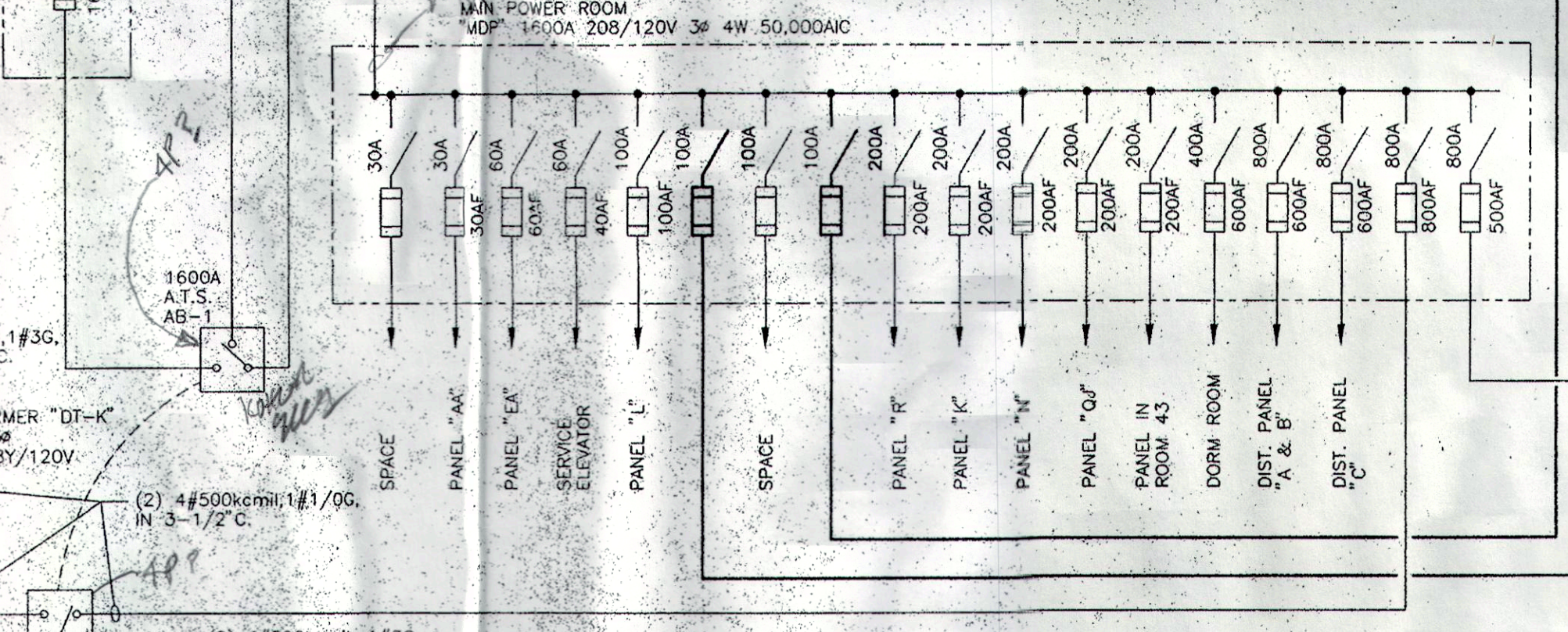
SOUTH CELL BLOCK



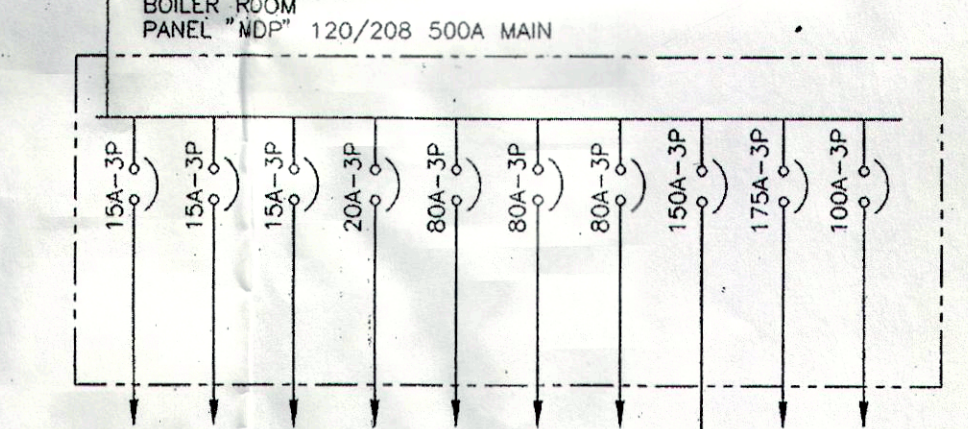
CHAPEL



OLD XFMR VAULT
ESF 480/277V 800A 50,000AIC



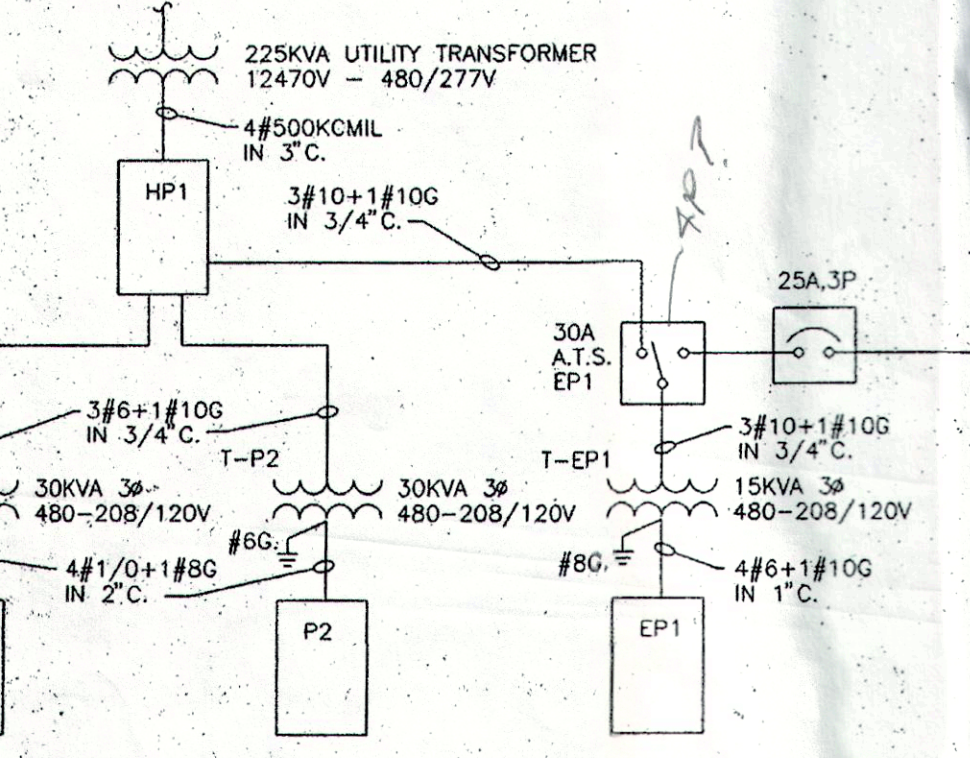
MAIN POWER ROOM
MDF 1600A 208/120V 3P 4W 50,000AIC



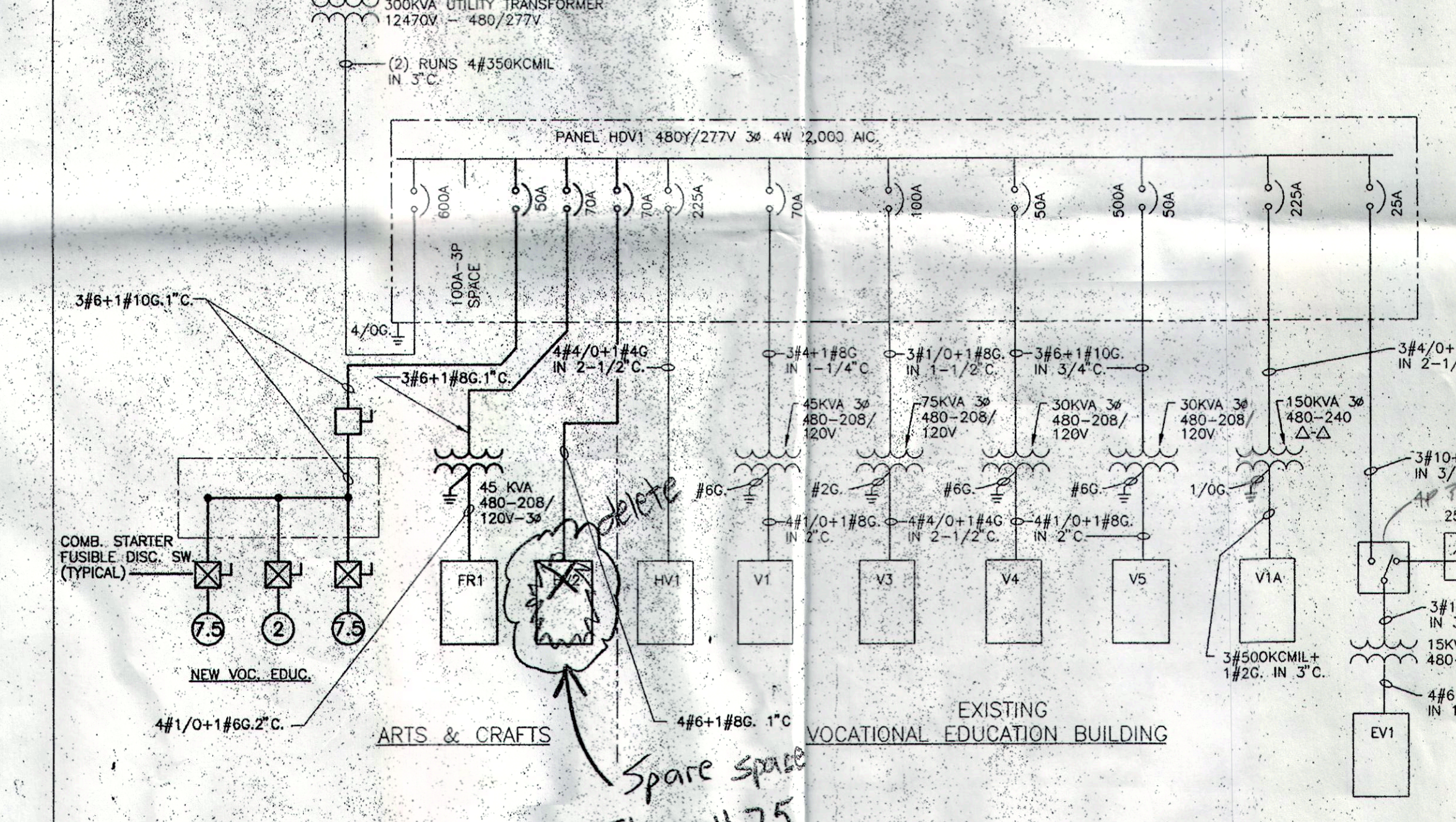
BOILER ROOM
PANEL "NDP" 120/208 500A MAIN



EXISTING
MULTI PURPOSE BUILDING



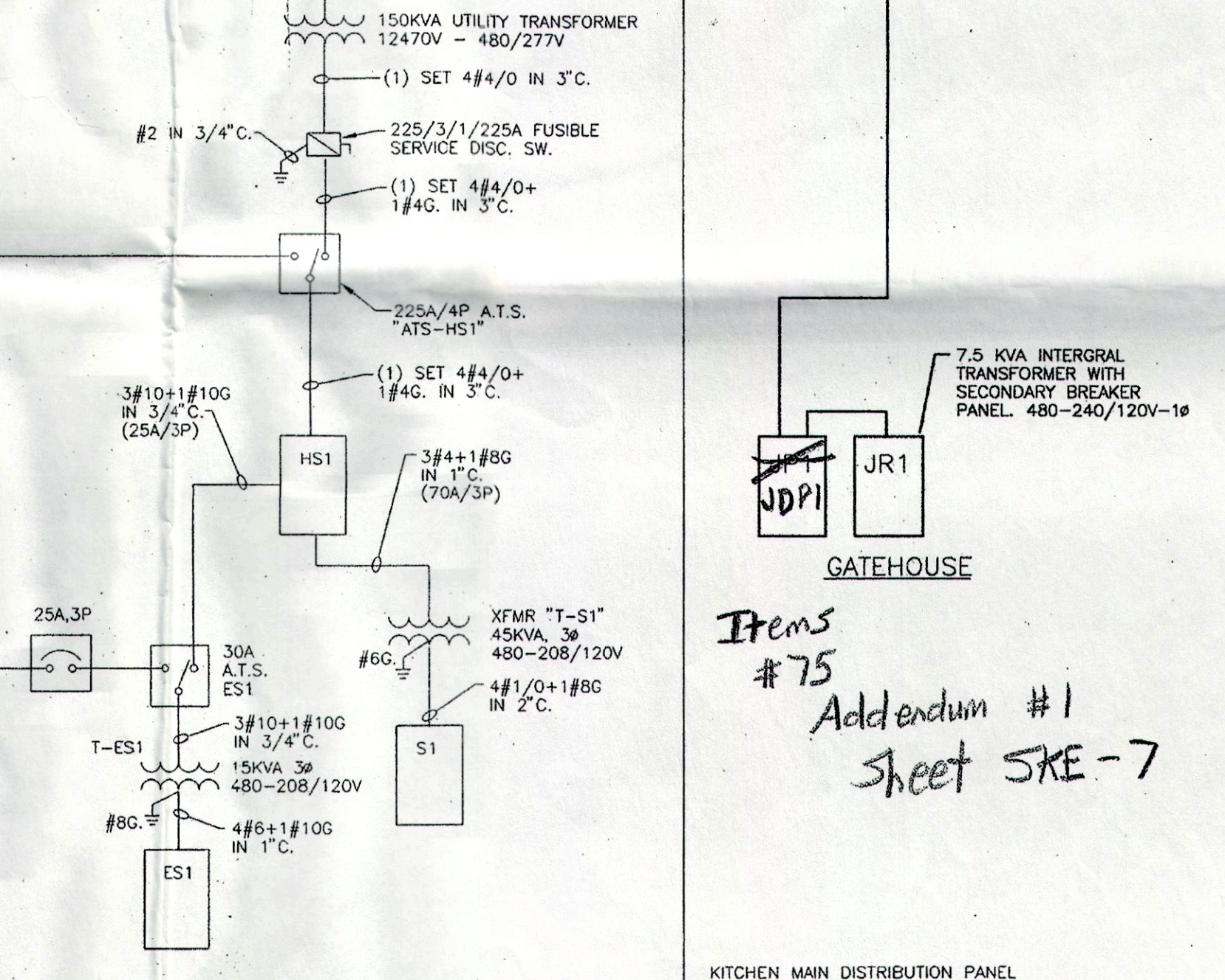
EXISTING
PRISON INDUSTRIES BUILDING



ARTS & CRAFTS

EXISTING
VOCATIONAL EDUCATION BUILDING

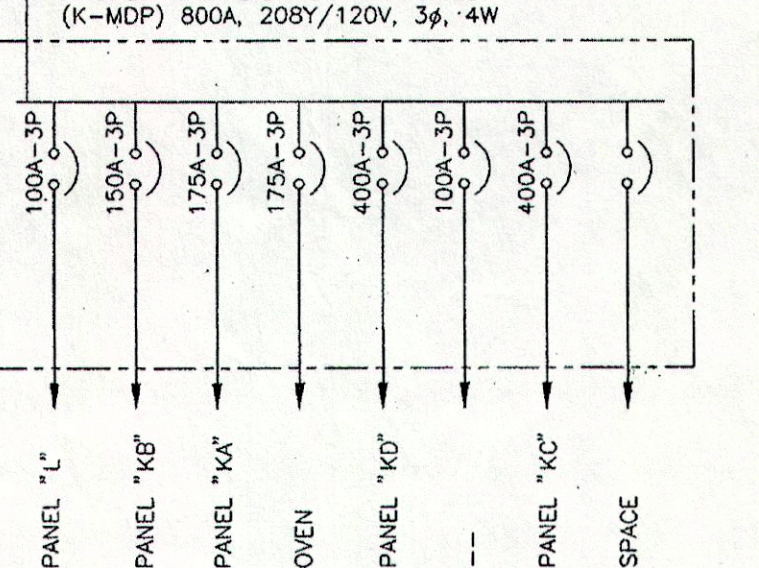
Spare space
Item #75
Sheet SKE-8



STAFF BUILDING

GATEHOUSE

Items #75
Addendum #1
Sheet SKE-7



KITCHEN MAIN DISTRIBUTION PANEL
(K-MDP) 900A 208V/120V 3P 4W

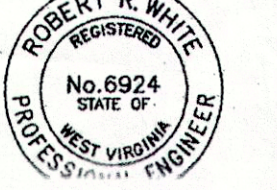
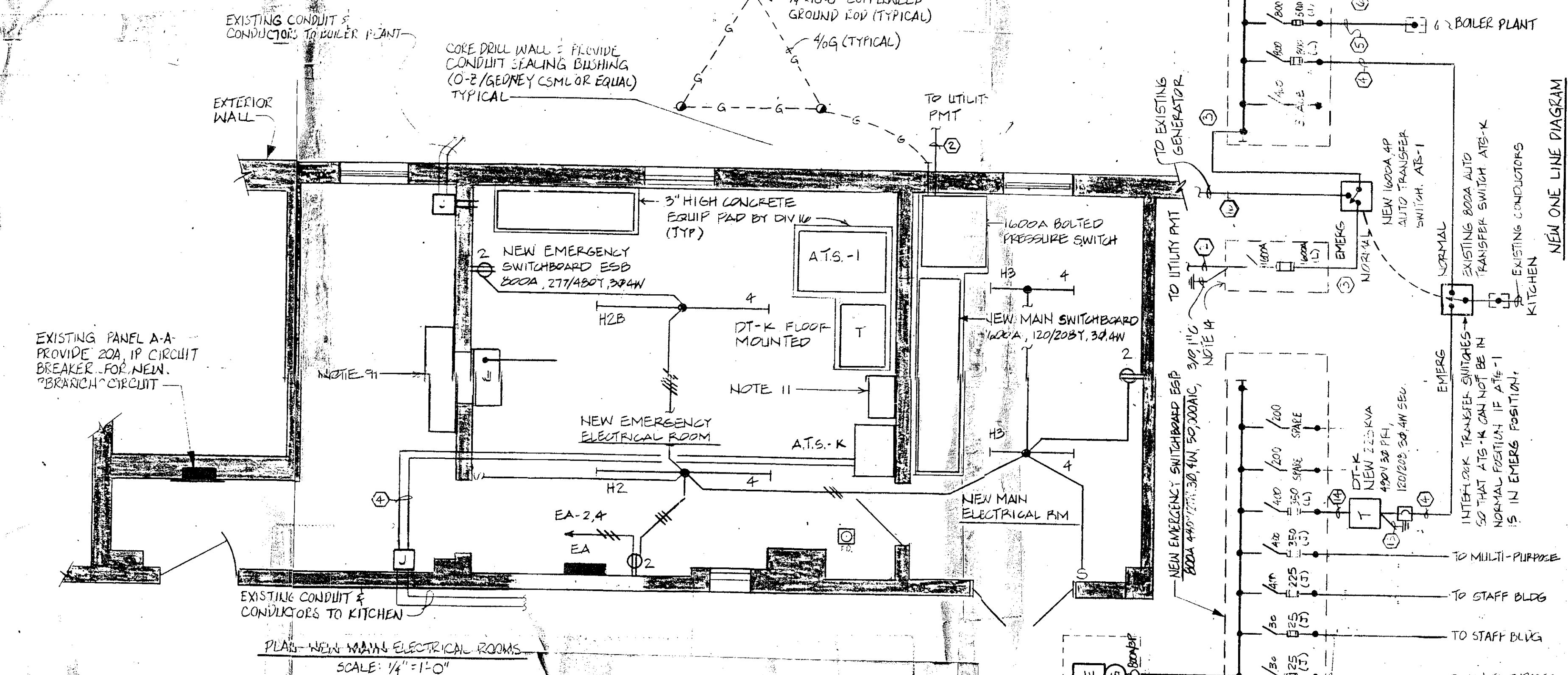
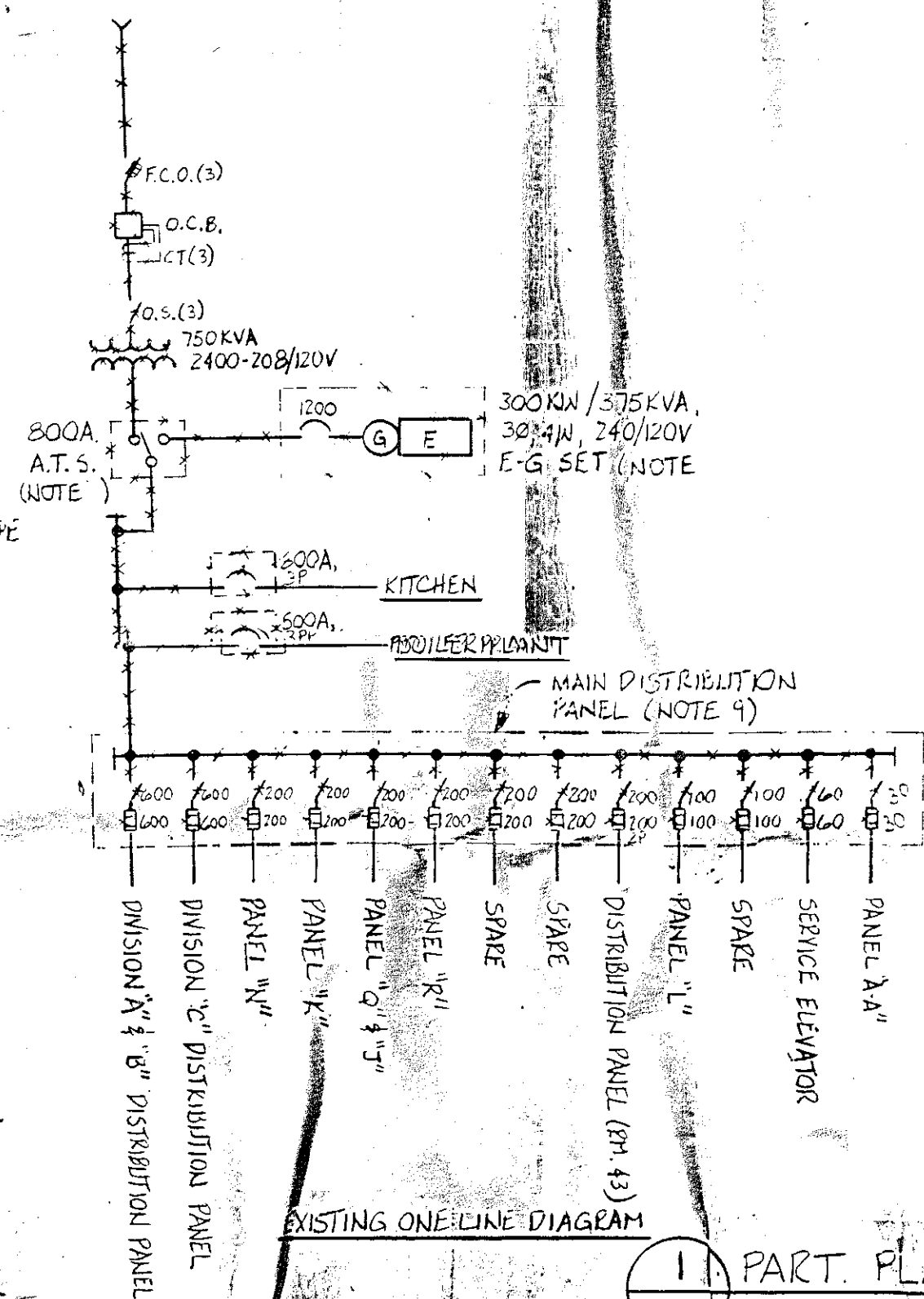
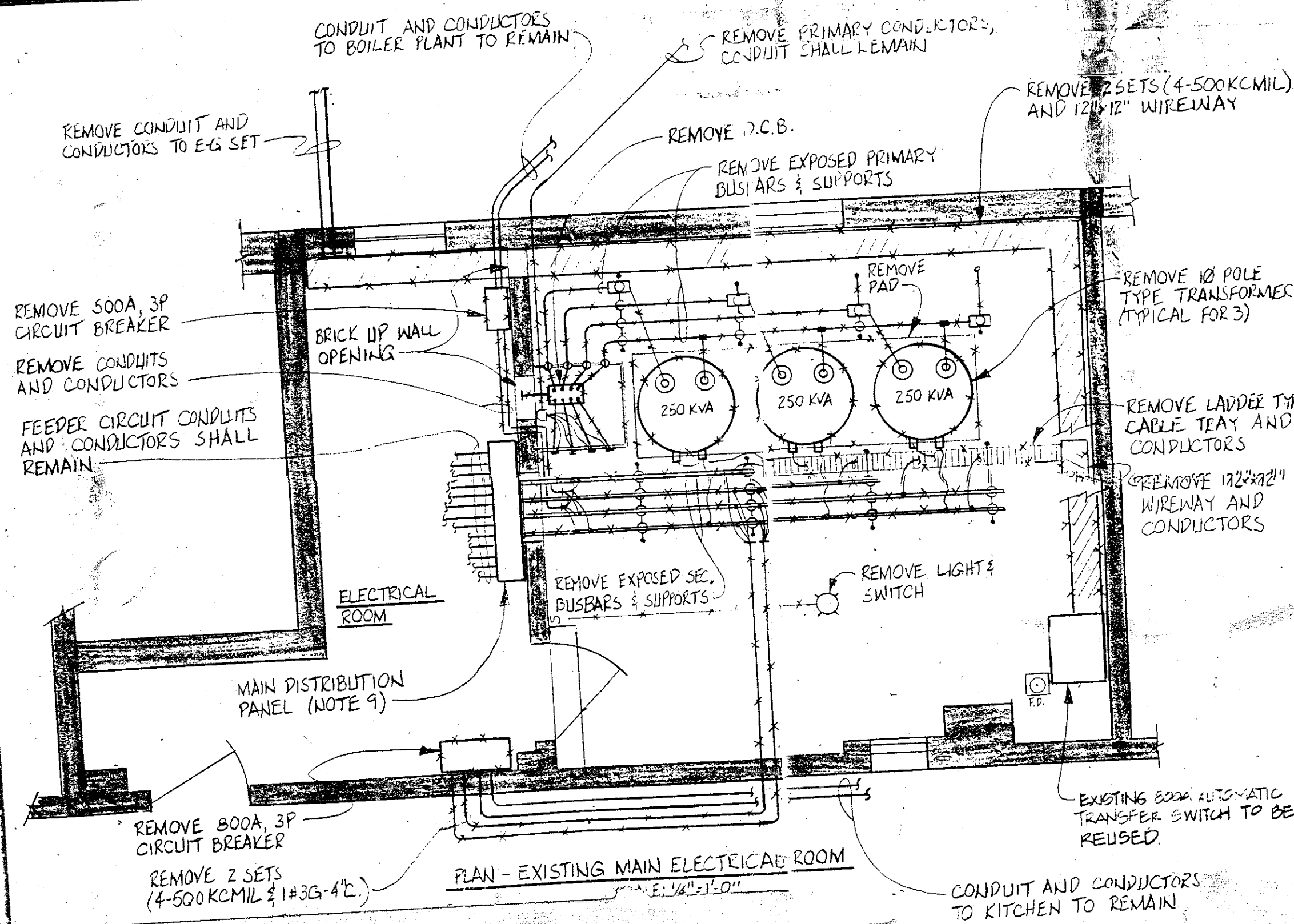


Exhibit #2

One Line Drawing – South Electric Room

Drawing Facility Put Together



1 PART PLAN - MAIN BUILDING

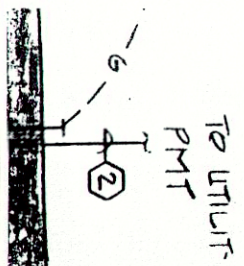
KEY PLAN

DRAWING TITLE
SERVICE REVISION

DATE
MAY 1, 1962

DRAWING NO.

ADDITIONS & REVISIONS



PAWELD
TYPICAL)
(AL)

NISHED
ADE

LEAKY)

LARY

JIT

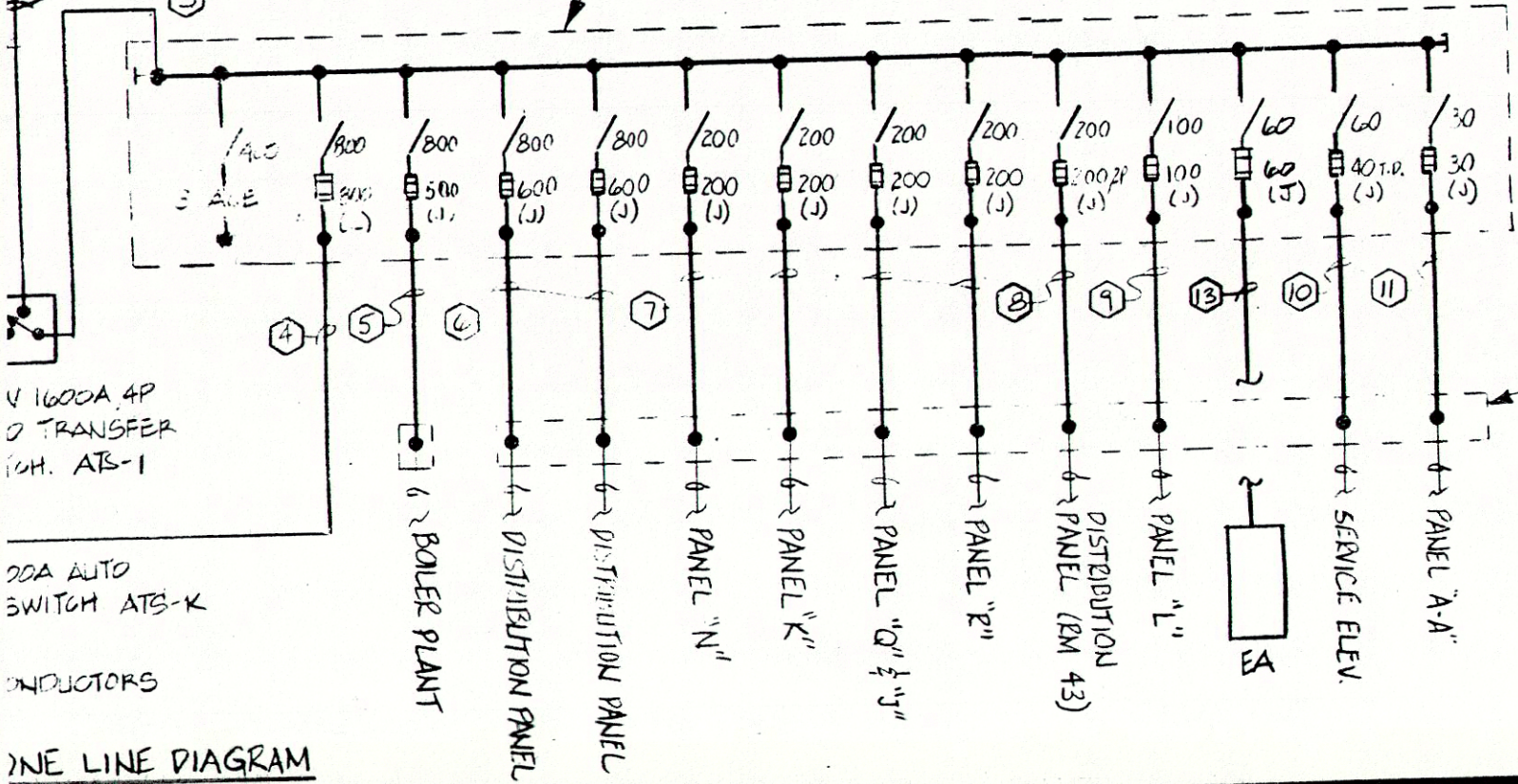
DUIT

OD

- ① 3 SETS (4-350KCMIL $\frac{1}{2}$ 1/0G-3 1/2" C)
- ② 5 SETS (4-500KCMIL - 3" C) $\frac{1}{2}$ 1-3" SPARE C.
- ③ 5 SETS (4-500KCMIL $\frac{1}{2}$ 1-4/0G-3 1/2" C)
- ④ 2 SETS (4-500KCMIL $\frac{1}{2}$ 1-1/0G-3 1/2" C)
- ⑤ 2 SETS (4-250KCMIL $\frac{1}{2}$ 1#2G-3" C)
- ⑥ 2 SETS (4-500KCMIL $\frac{1}{2}$ 1-1/0G-3 1/2" C)
- ⑦ 4-4/0 $\frac{1}{2}$ 1#6G-2 1/2" C.
- ⑧ 3-4/0 $\frac{1}{2}$ 1#6G-2" C.
- ⑨ 4-1/0 $\frac{1}{2}$ 1#8G-2" C
- ⑩ 3#8 $\frac{1}{2}$ 1#8G-3/4" C.
- ⑪ 4#8 $\frac{1}{2}$ 1#8G-3/4" C
- ⑫ 3#6 $\frac{1}{2}$ 1#10G-3/4" C.
- ⑬ 4#6, $\frac{1}{2}$ 1#8G-1" C
- ⑭ 3#500KCMIL $\frac{1}{2}$ 1#3G-3 1/2" C
- ⑮ 1/0G-1" C
- ⑯ 5 SETS (4-500KCMIL $\frac{1}{2}$ 1-4/0G-3 1/2" C)

TO EXISTING
GENERATOR

NEW MAIN SWITCHBOARD
16.7FA, 208/120V, 3 ϕ , 4W, 50,000AIC
(NOTE 13)



MDP (NOTE 9)
EXISTING CONDUIT
AND CONDUCTORS

16000A 4P
O TRANSFER
C.H. ATS-1

200A AUTO
SWITCH ATS-K

CONDUCTORS

ONE LINE DIAGRAM

15. NEW GEN SET SHALL START UP UPON SIGNAL FROM EITHER ATS-HMI, ATS-EMI, ATS-HSI, ATS-ESI, ATS-K, ATS-EPI, ATS-EVI. PROVIDE CONDUIT AND CONDUCTORS TO INTERCONNECT ATS AND GEN SET.

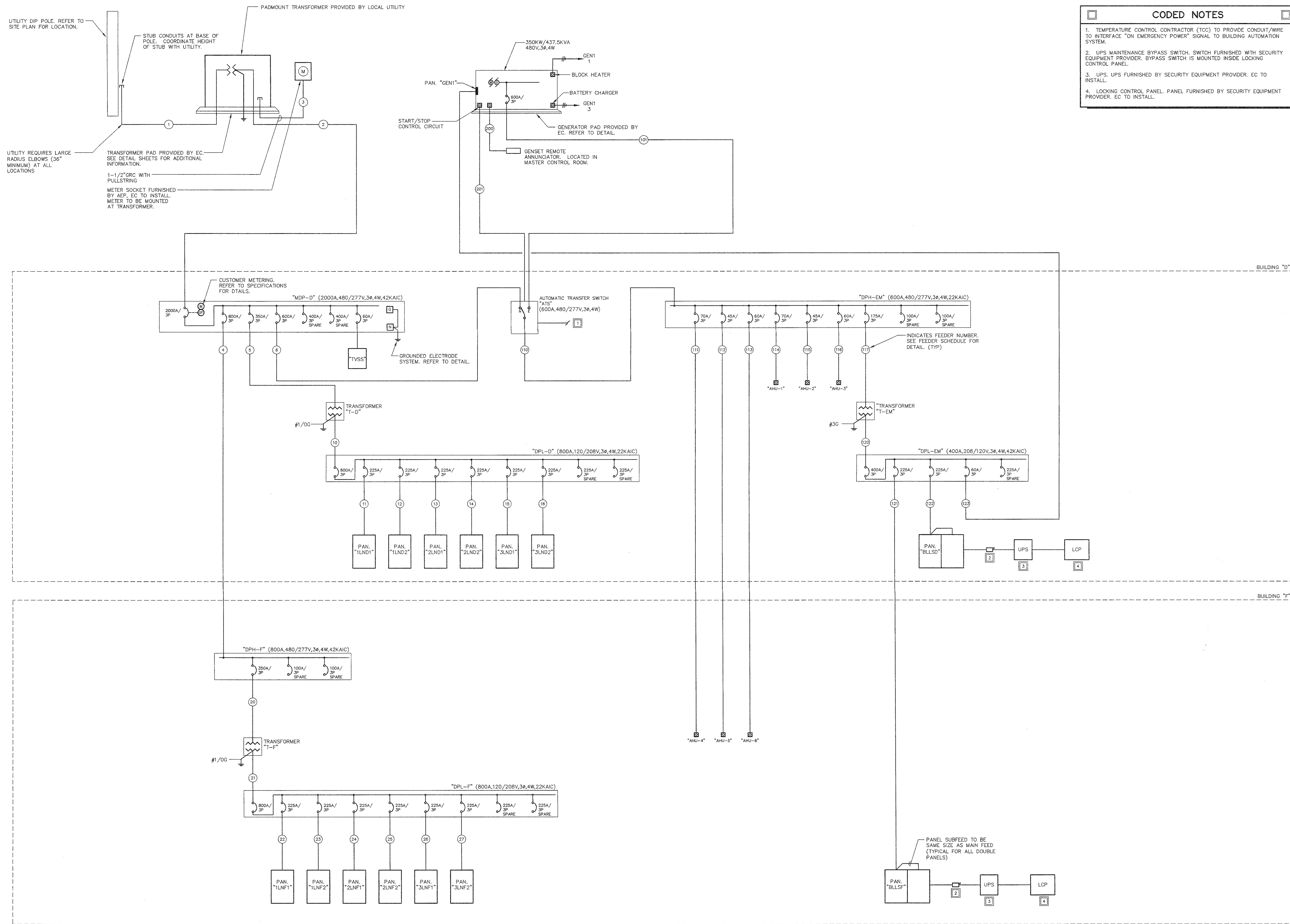
NOTES:

1. EXTEND CIRCUIT TO EXISTING OUTBUILDING. PROVIDE SERVICE DISCONNECTING MEANS AT BUILDING TO COMPLY WITH NEC 230-84. CONNECT TO EXISTING PANELBOARD.
2. REMOVE BONDING JUMPER FROM NEUTRAL TO GROUND IN EXISTING PANELBOARD. PROVIDE NEW GROUND OR INSULATED NEUTRAL BUS AS REQUIRED TO SEPARATE NEUTRAL FROM GROUND. REMOVE GROUNDING ELECTRODE CONDUCTORS CONNECTED TO EXISTING PANELBOARD. NEW PANELBOARD OR SWITCH SHALL SERVE AS SERVICE ENTRANCE EQUIPMENT.
3. PROVIDE 2-200A AND 1-100A, 240 VOLT, 2P, NEMA 3R, SOLID NEUTRAL, HEAVY DUTY FUSED SWITCHES SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. EQUIP SWITCHES WITH CLASS J FUSES, SIZE AS INDICATED.
4. PANELBOARD OR SWITCH SHALL BE GROUNDED IN ACCORDANCE WITH 1990 NEC. THE FOLLOWING ITEMS SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM:
 - a. METAL UNDERGROUND WATER PIPE (IF AVAILABLE IN BLDG.)
 - b. 3/4" X 10'-0" COPPERWELD GROUND ROD.CONTRACTOR SHALL VERIFY EXISTING GROUNDING ELECTRODE(S) AND CONNECTIONS AND SUPPLEMENT EXISTING TO MEET REQUIREMENTS LISTED ABOVE.
5. PROVIDE 100A, 240 VOLT, 2P, NEMA 3R, SOLID NEUTRAL, HEAVY DUTY FUSED SWITCH SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. EQUIP SWITCH WITH 100A CLASS J FUSES.
6. PROVIDE 600A, 240 VOLT, 3P, NEMA 3R, SOLID NEUTRAL, HEAVY DUTY FUSED SWITCH SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. EQUIP SWITCH WITH 300A CLASS J FUSES.
7. REWORK EXISTING CONDUIT AND CONDUCTORS TO CONNECT TO NEW POWER PANEL.
8. PROVIDE 400A, 240 VOLT, 3P, 4W, NEMA 1 POWER PANEL SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. EQUIP PANEL WITH MAIN LUGS AND THE FOLLOWING BRANCH FUSED SWITCHES:
1-200A, 2P; 2-100A, 2P; 1-60A, 2P AND 1-200A, 3P SPACE. FUSE SWITCHES AT SWITCH RATING WITH UL CLASS J FUSES.
9. REMOVE FUSED SWITCHES AND BUSBARS FROM MAIN DISTRIBUTION PANEL (MDP) ENCLOSURE. USE MDP ENCLOSURE AS JUNCTION BOX TO SPLICE NEW CONDUCTORS TO EXISTING FEEDER CIRCUIT CONDUCTORS.
10. 4/0G-1" C., BOND TO MAIN WATER PIPE WHERE IT ENTERS BUILDING.
11. 800A/3P CIRCUIT BREAKER MTD ABOVE TRANSFORMER.
12. TRANSFER SWITCH AND PANELBOARD TO BE REPLACED UNDER PHASE II OF THIS PROJECT
13. PROVIDE SWITCHBOARD MAIN SWITCH WITH THE FOLLOWING METERING: AMMETER; AMMETER SWITCH; VOLTMETER; VOLTMETER SWITCH; 3CTS; 3PTS; WATTHOUR DEMAND METER.
14. 1600A BOLTED PRESSURE SWITCH
15. NEW GEN SET SHALL START UP UPON SIGNAL FROM EITHER ATS-HMI, ATS-EMI, ATS-HSI, ATS-ESI, ATS-K, ATS-EPI, ATS-EVI. PROVIDE CONDUIT AND CONDUCTORS TO INTERCONNECT ATS AND GEN SET.

NOTE 9)
TING CONDUIT
CONDUCTORS

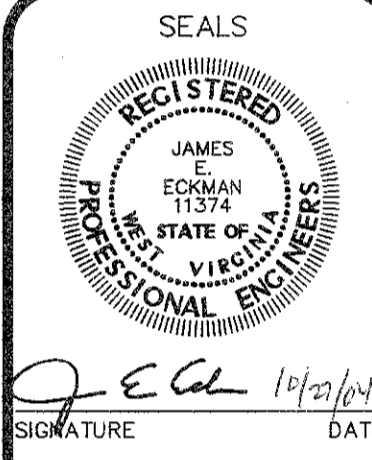
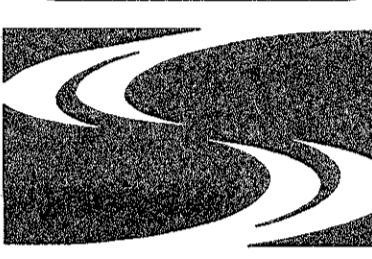
Exhibit #2

One Line Drawing – North Electric Room



- CODED NOTES**
- TEMPERATURE CONTROL CONTRACTOR (TCC) TO PROVIDE CONDUIT/WIRE TO INTERFACE "ON EMERGENCY POWER" SIGNAL TO BUILDING AUTOMATION SYSTEM.
 - UPS MAINTENANCE BYPASS SWITCH. SWITCH FURNISHED WITH SECURITY EQUIPMENT PROVIDER. BYPASS SWITCH IS MOUNTED INSIDE LOCKING CONTROL PANEL.
 - UPS. UPS FURNISHED BY SECURITY EQUIPMENT PROVIDER. EC TO INSTALL.
 - LOCKING CONTROL PANEL. PANEL FURNISHED BY SECURITY EQUIPMENT PROVIDER. EC TO INSTALL.

SILLING ASSOCIATES, INC. - ARCHITECTS PLANNERS
 405 CAPITOL STREET UPPER ATRIUM
 CHARLESTON, WEST VIRGINIA 25301-1735



DATE: 10/27/04
 SIGNATURE: [Signature]
 DATE: [Blank]

ADDITIONS AND RENOVATIONS TO HUTTONSVILLE CORRECTIONAL CENTER

"D" AND "F" WINGS POWER RISER DIAGRAM

REVISED

DATE: 10/27/04
 SCALE: NTS
 DRAWING NUMBER: E6-5A

POWER RISER DIAGRAM
 N.T.S.

DATE: 10/27/04
 SCALE: NTS
 DRAWING NUMBER: E6-5A

Exhibit #2

Drawing From The Power Company