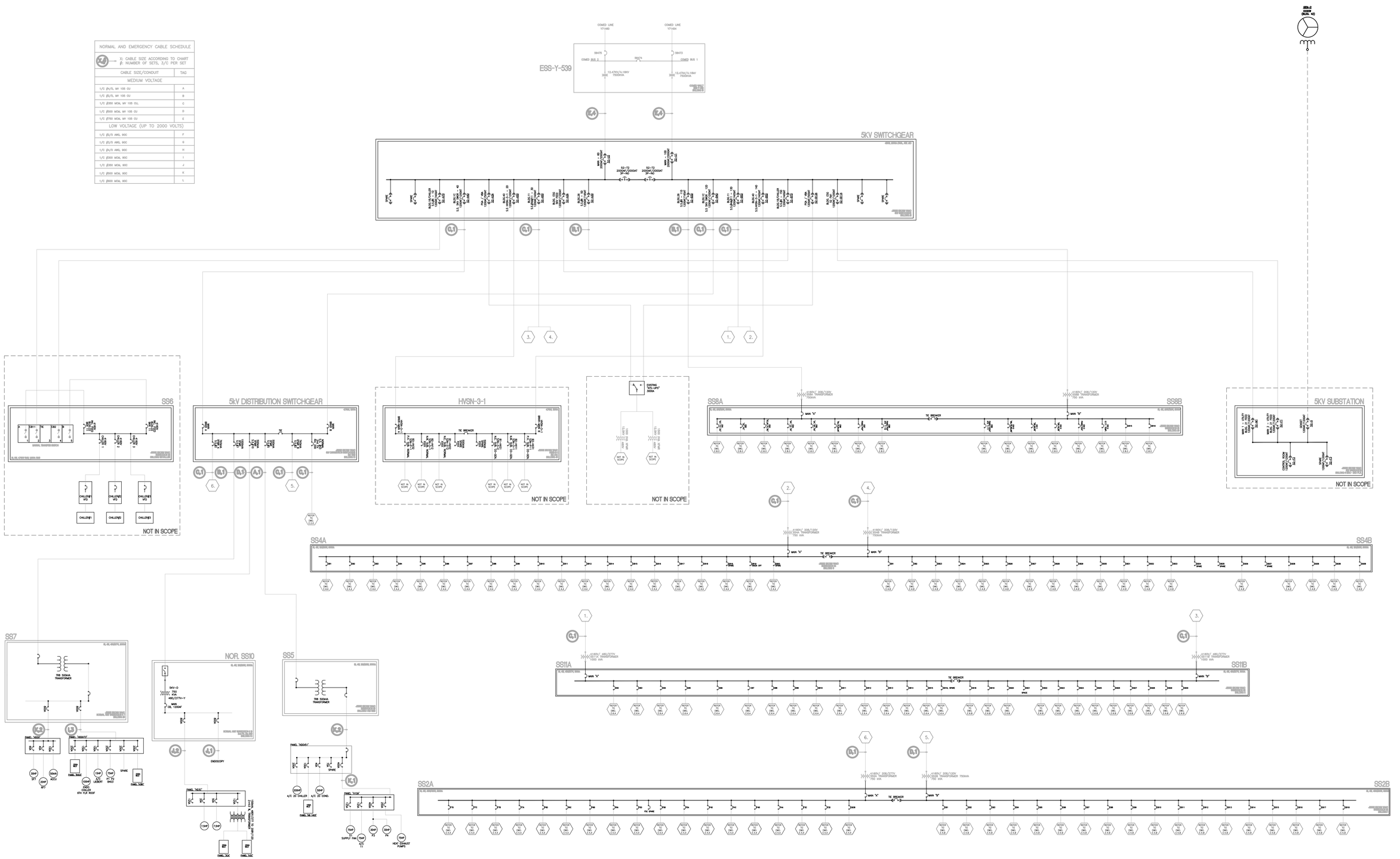
| NORMAL AND EMERGENCY CABLE SCHEDULE | |
|---|---|
| 2.4 — X: CABLE SIZE ACCORDING TO CHART #: NUMBER OF SETS, 3/C PER SET | |
| CABLE SIZE/CONDUIT | TAG |
| MEDIUM VOLTAGE | |
| 1/C #4/0, MV 105 CU | A |
| 1/C #1/0, MV 105 CU | B |
| 1/C #300 MCM, MV 105 CU, | C |
| 1/C #500 MCM, MV 105 CU | D |
| 1/C #750 MCM, MV 105 CU | E |
| LOW VOLTAGE (UP TO 2000 VOLTS) | |
| 1/C #2/0 AWG, 90C | F |
| 1/C #3/0 AWG, 90C | G |
| 1/C #4/0 AWG, 90C | H |
| 1/C #300 MCM, 90C | I |
| 1/C #350 MCM, 90C | J |
| 1/C #500 MCM, 90C | K |
| 1/C #600 MCM, 90C | L |

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ESM Engineers
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Houston TX 77067
TX Registration F-23690

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|---|---|
| Revision: | Approved: |
| Revision: | Approved: |
| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **NORMAL POWER DISTRIBUTION OVERVIEW**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

DRAWING NO. **E.1.0**

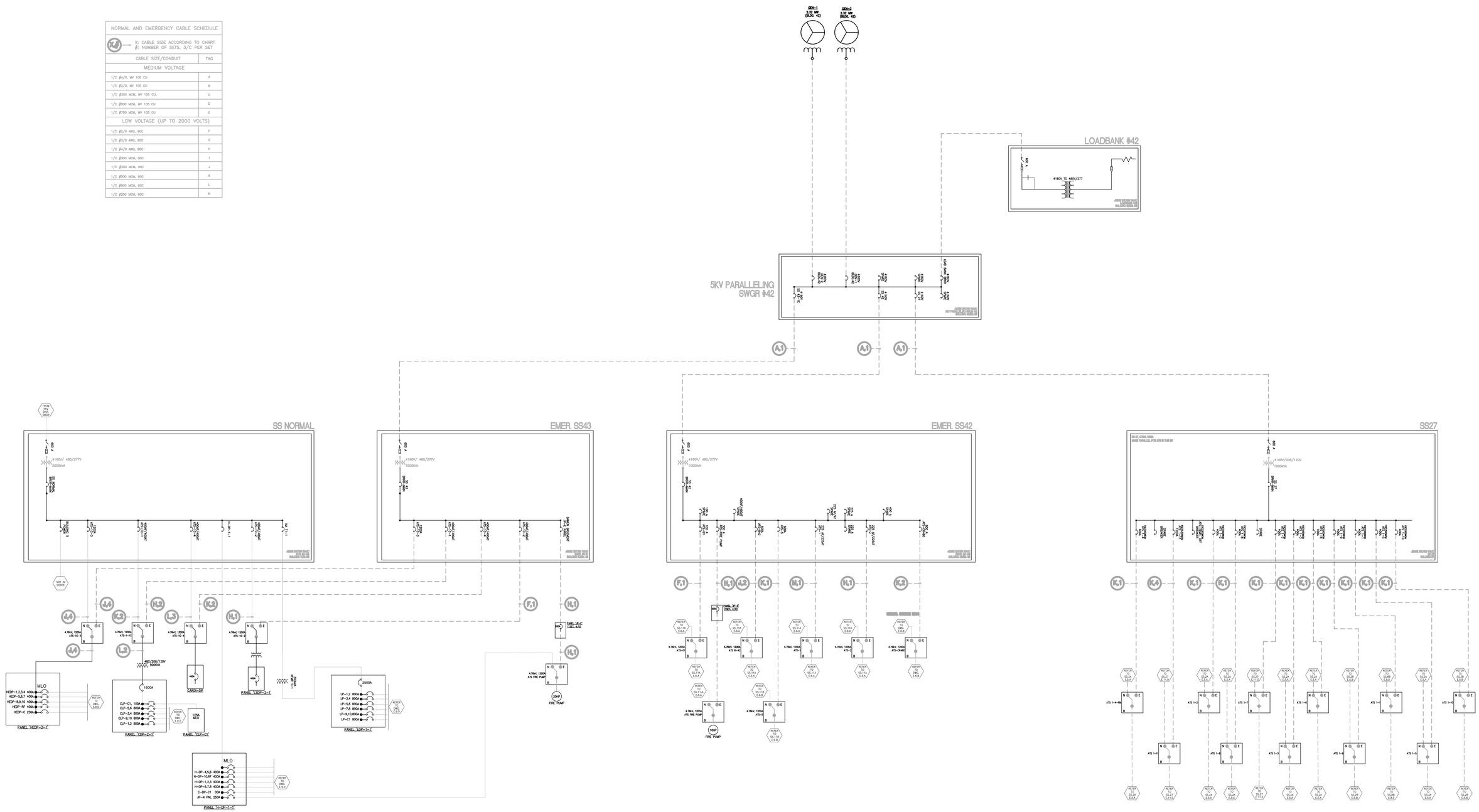
Dwg. **1** of **14**

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

GPO: – –

| NORMAL AND EMERGENCY CABLE SCHEDULE | |
|---|---|
| X/#: X: CABLE SIZE ACCORDING TO CHART #: NUMBER OF SETS, 3/C PER SET | |
| CABLE SIZE/CONDUIT | TAG |
| MEDIUM VOLTAGE | |
| 1/C #4/0, MV 105 CU | A |
| 1/C #3/0, MV 105 CU | B |
| 1/C #350 MCM, MV 105 CU, | C |
| 1/C #500 MCM, MV 105 CU | D |
| 1/C #750 MCM, MV 105 CU | E |
| LOW VOLTAGE (UP TO 2000 VOLTS) | |
| 1/C #3/0 AWG, 90C | F |
| 1/C #3/0 AWG, 90C | G |
| 1/C #4/0 AWG, 90C | H |
| 1/C #300 MCM, 90C | I |
| 1/C #350 MCM, 90C | J |
| 1/C #500 MCM, 90C | K |
| 1/C #600 MCM, 90C | L |
| 1/C #750 MCM, 90C | M |

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| Revision: | Approved: |
| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **EMERGENCY POWER GENERATOR #1 & #2 - OVERVIEW**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

DRAWING NO.: **E.2.0**

Dwg. **2** of **14**

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

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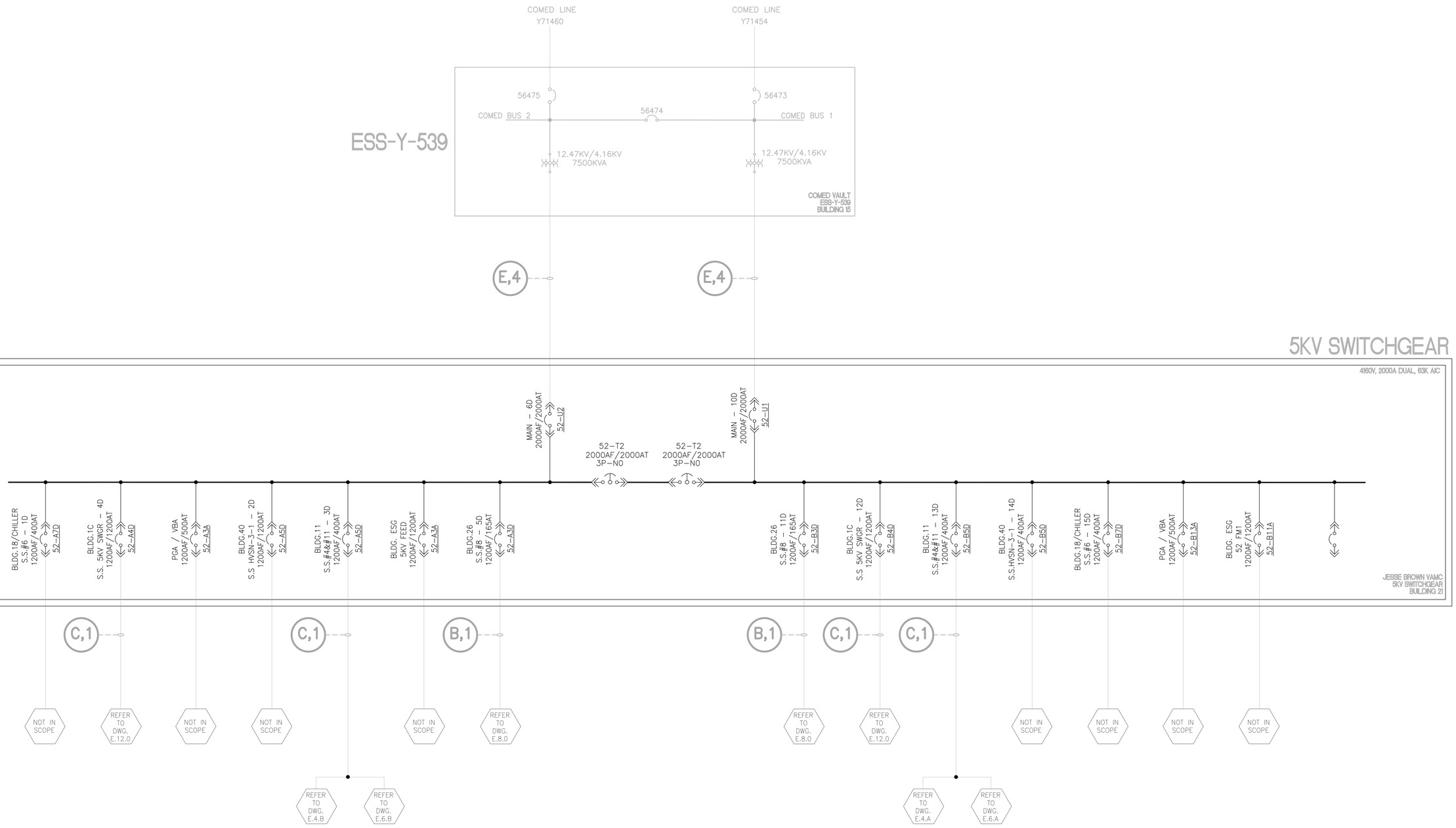


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| Revision: | Approved: |

Drawing Title: **MAIN SWITCHGEAR BUILDING 21 & UTILITY FEED**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One–Line

Building Number: –
Checked: B.C.
Drawn: R.Z.,M.B.,B.C.
Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10–01–2021
Project No.: AF_VAMC_IL
DRAWING NO.: **E.3.0**
Dwg. **3** of **14**

Department of Veterans Affairs

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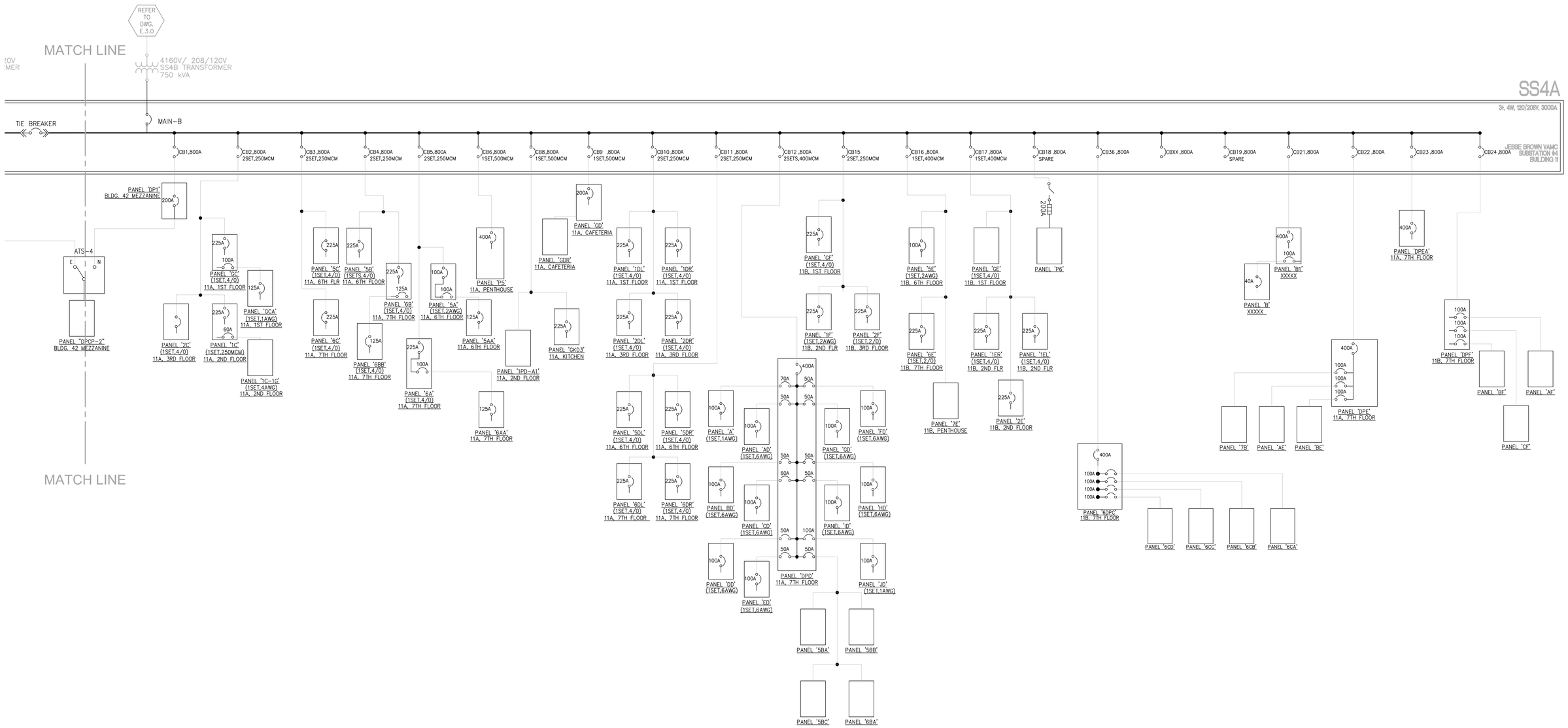


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Drawing Title: **SUBSTATION #4 - SIDE A NORMAL POWER**

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Date: 10-01-2021

Project No. AF_VAMC_IL

Approved:

Approved:

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

DRAWING NO. **E.4.A**

Dwg. **4** of **14**

Department of Veterans Affairs

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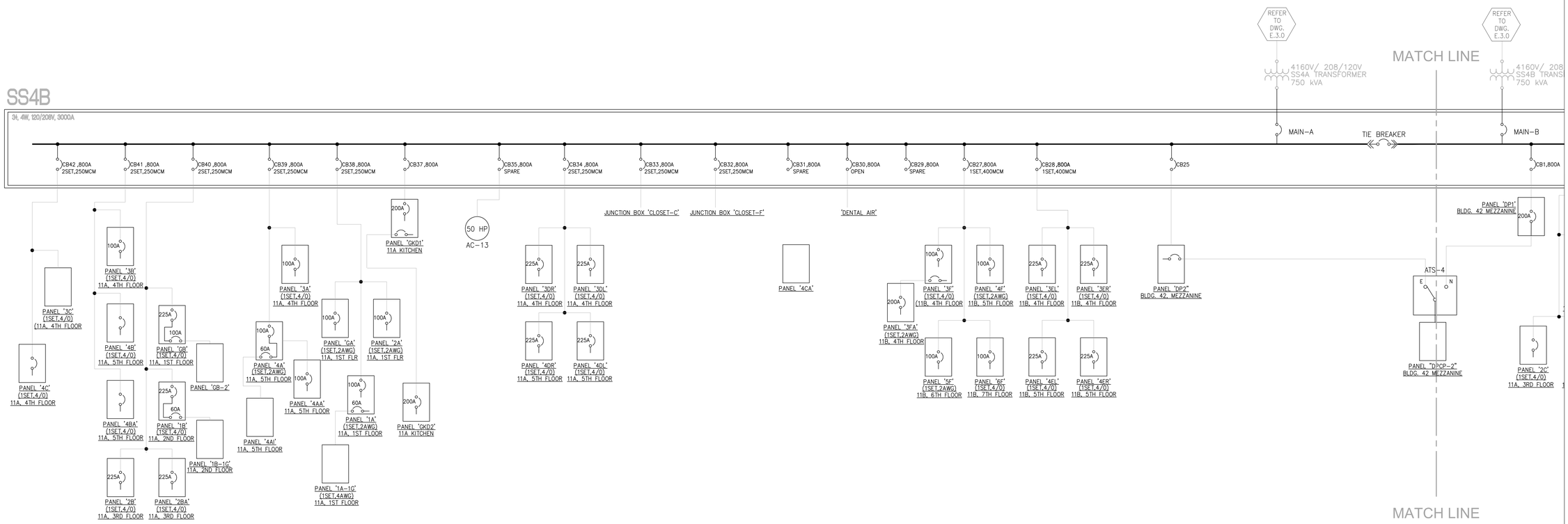


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| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **SUBSTATION #4 - SIDE B NORMAL POWER**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One–Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10–01–2021

Project No.: AF_VAMC_IL

DRAWING NO.: **E.4.B**

Dwg. **5** of **14**

Department of Veterans Affairs

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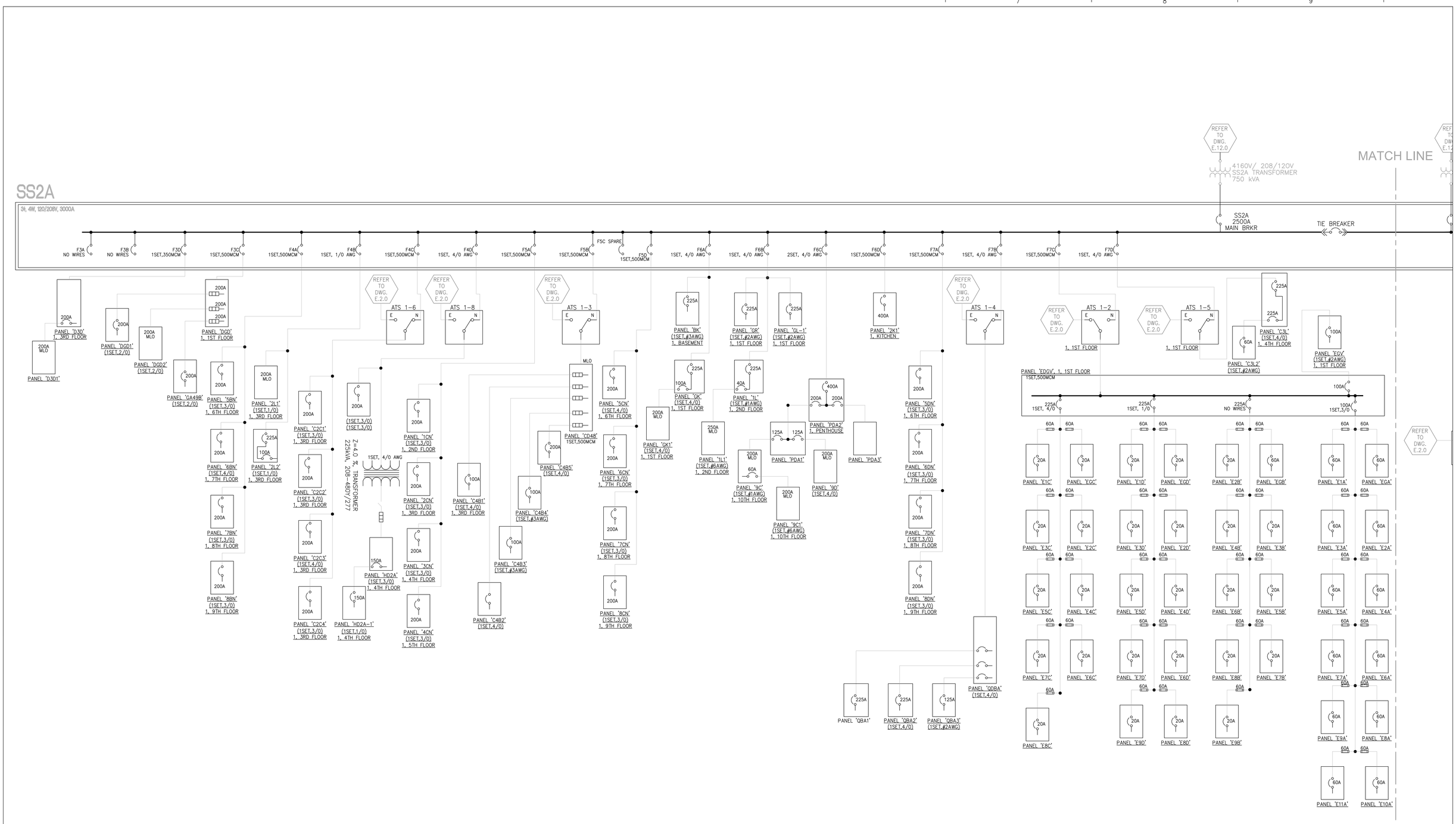


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| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **SUBSTATION #2 - SIDE A NORMAL POWER**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

DRAWING NO. **E.5.A**

Dwg. **6** of **14**

Department of Veterans Affairs

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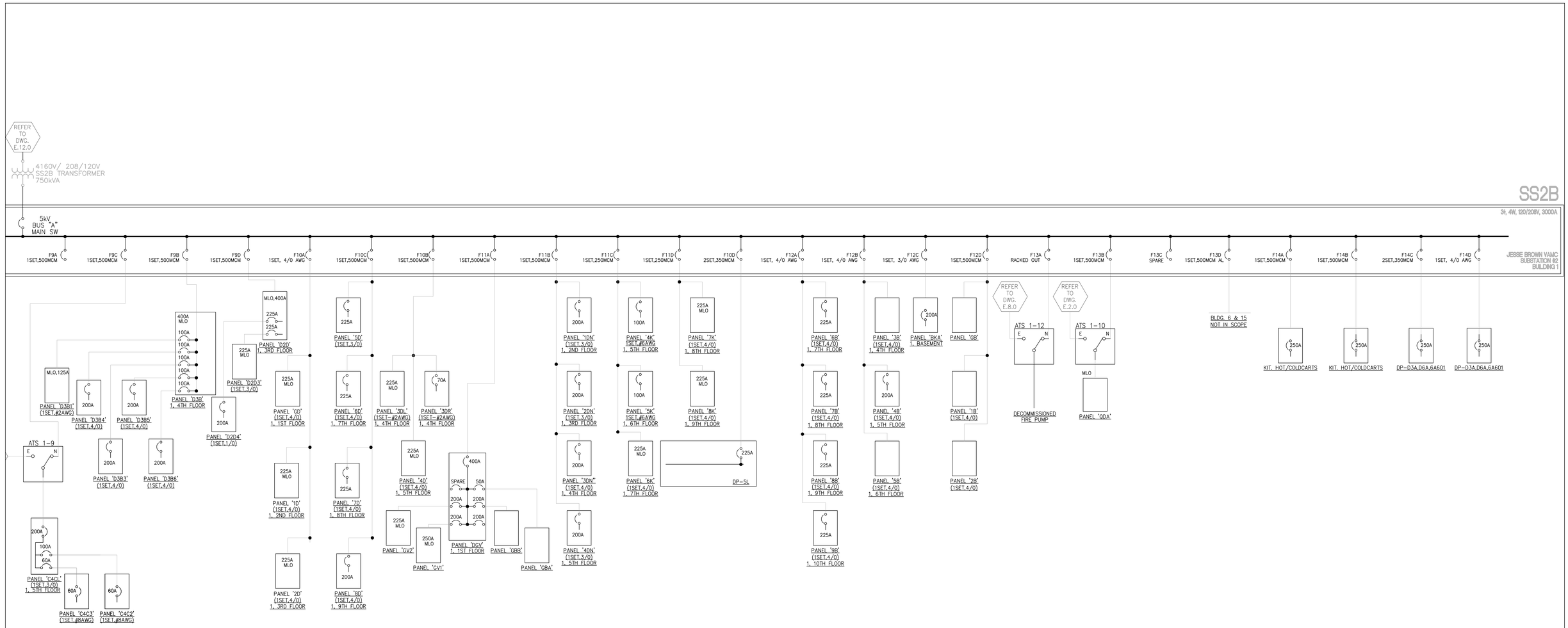


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| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **SUBSTATION #2 - SIDE B NORMAL POWER**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

DRAWING NO.: **E.5.B**

Dwg. **7** of **14**

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

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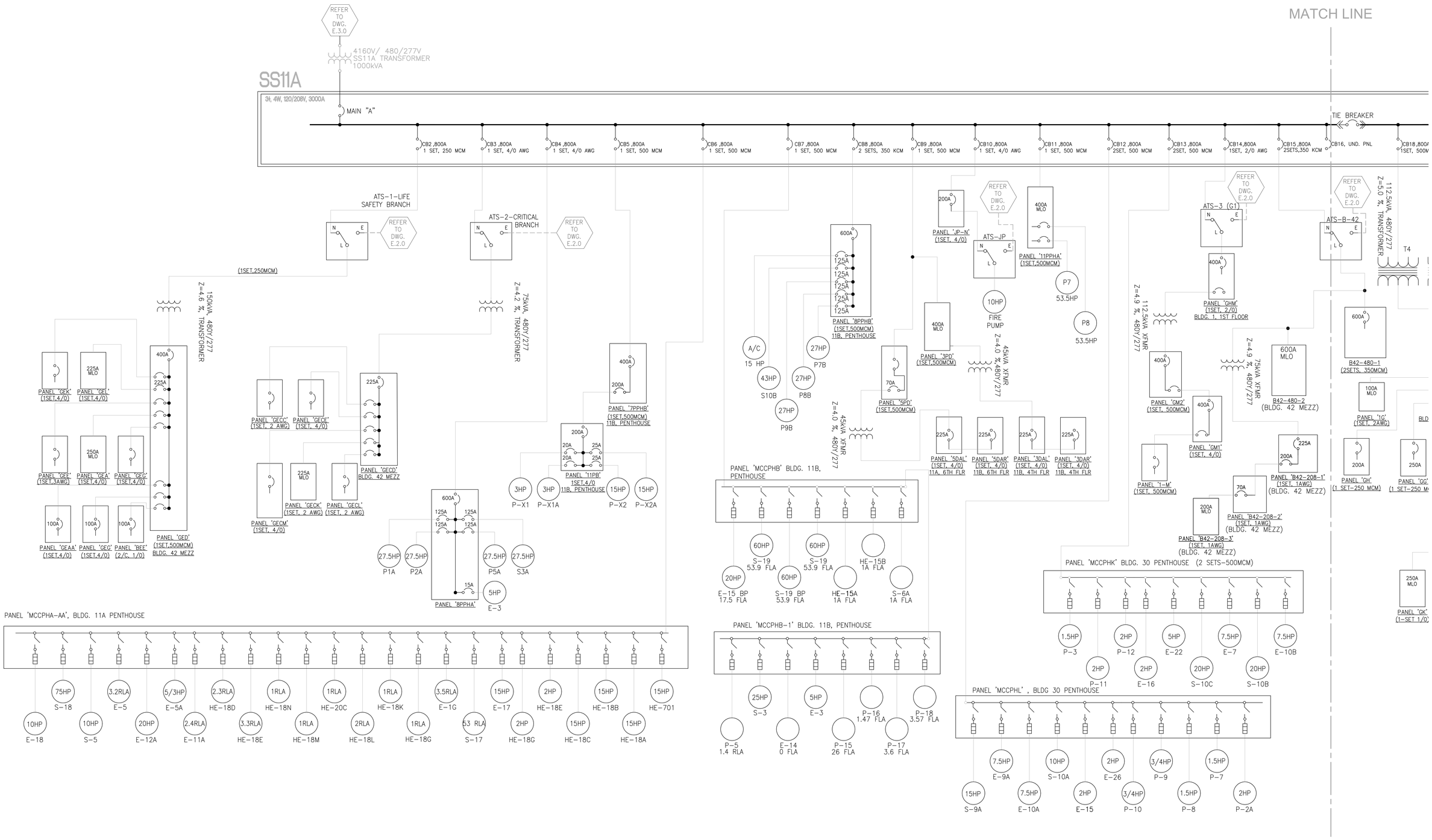


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Drawing Title: **SUBSTATION #11 - SIDE A NORMAL POWER**

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Date: 10-01-2021

Project No.: AF_VAMC_IL

Approved:

Approved:

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

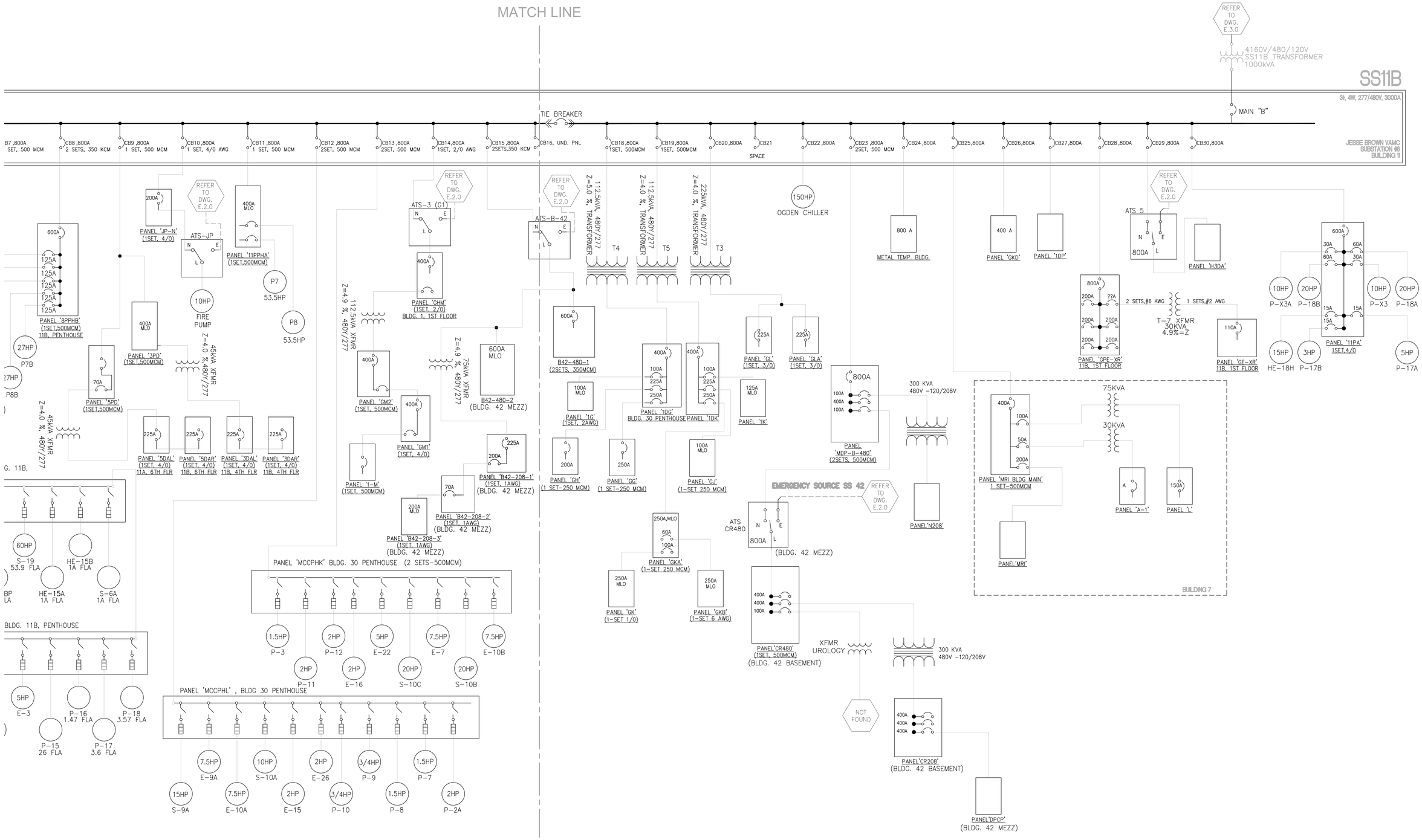
DRAWING NO. **E.6.A**

Dwg. **8** of **14**

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

GPO: – –

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| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **SUBSTATION #11 - SIDE B NORMAL POWER**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

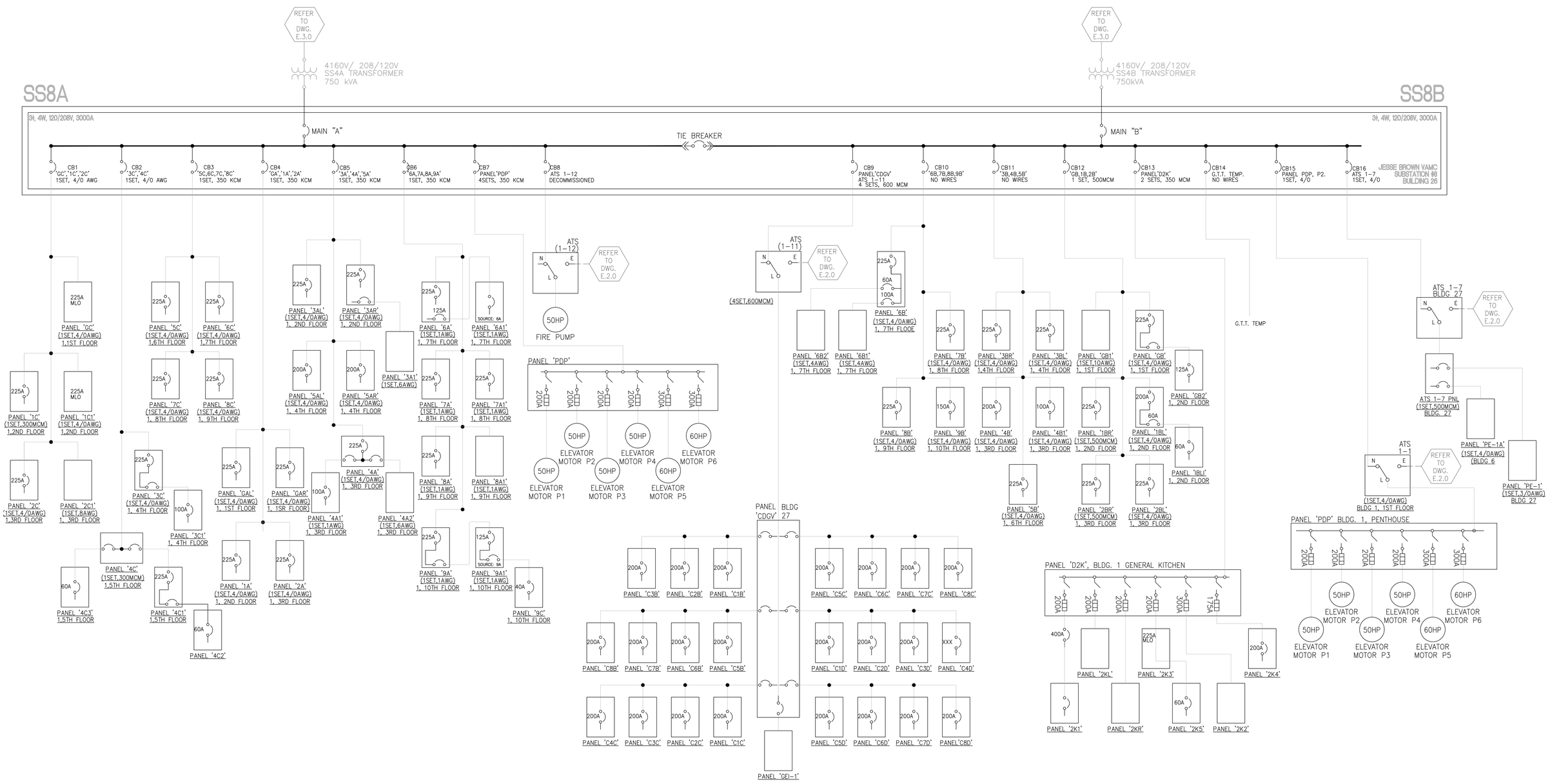
DRAWING NO. **E.6.B**

Dwg. **9** of **14**

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

GPO: - -

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| Revision: | Approved: |
| Revision: | Approved: |

Drawing Title: **SUBSTATION #8 NORMAL POWER**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

DRAWING NO. **E.8.0**

Dwg. **10** of **14**

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

GPO: – –

# BUILDING 1

PENTHOUSE
11TH FLR.
10TH FLR.
9TH FLR.
8TH FLR.
7TH FLR.
6TH FLR.
5TH FLR.
4TH FLR.
3RD FLR.
2ND FLR.
1ST FLR.
BASEMENT
PANEL "TOPPHA"
PANEL "TOP"
PANEL "HEAVY"
PANEL "HVAC"
PANEL "DOV"
PANEL "DOV2"
PANEL "DOV3"
PANEL "DOV4"
PANEL "DOV5"
PANEL "DOV6"
PANEL "DOV7"
PANEL "DOV8"
PANEL "DOV9"
PANEL "DOV10"
PANEL "DOV11"
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PANEL "DOV13"
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PANEL "DOV16"
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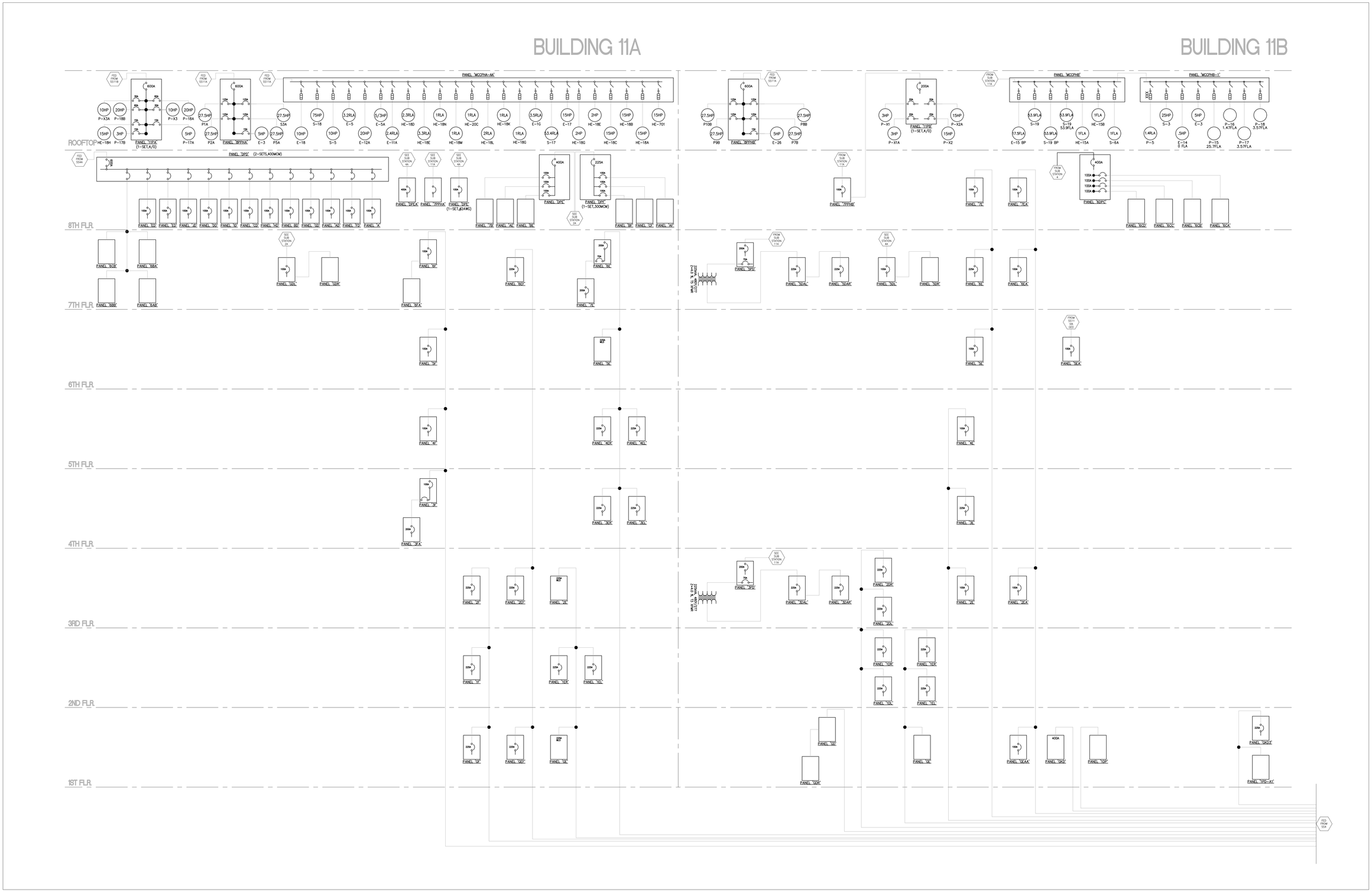
PANEL "DOV19"
PANEL "DOV20"
PANEL "DOV21"
PANEL

# BUILDING 11


BUILDING 11A
BUILDING 11B
ROOFTOP
8TH FLR.
7TH FLR.
6TH FLR.
5TH FLR.
4TH FLR.
3RD FLR.
2ND FLR.
1ST FLR.
PANEL "MCCPHA-AA"
PANEL "MCCPHB"
PANEL "MCCPHB-1"
PANEL "DPS" (2-SETS,400MCM)
PANEL "DPC" (1-SET,#2AWG)
PANEL "DPF" (1-SET,300MCM)
PANEL "DPD-A1"
PANEL "DPE"
PANEL "DPD"
PANEL "DPA"
PANEL "DPB"
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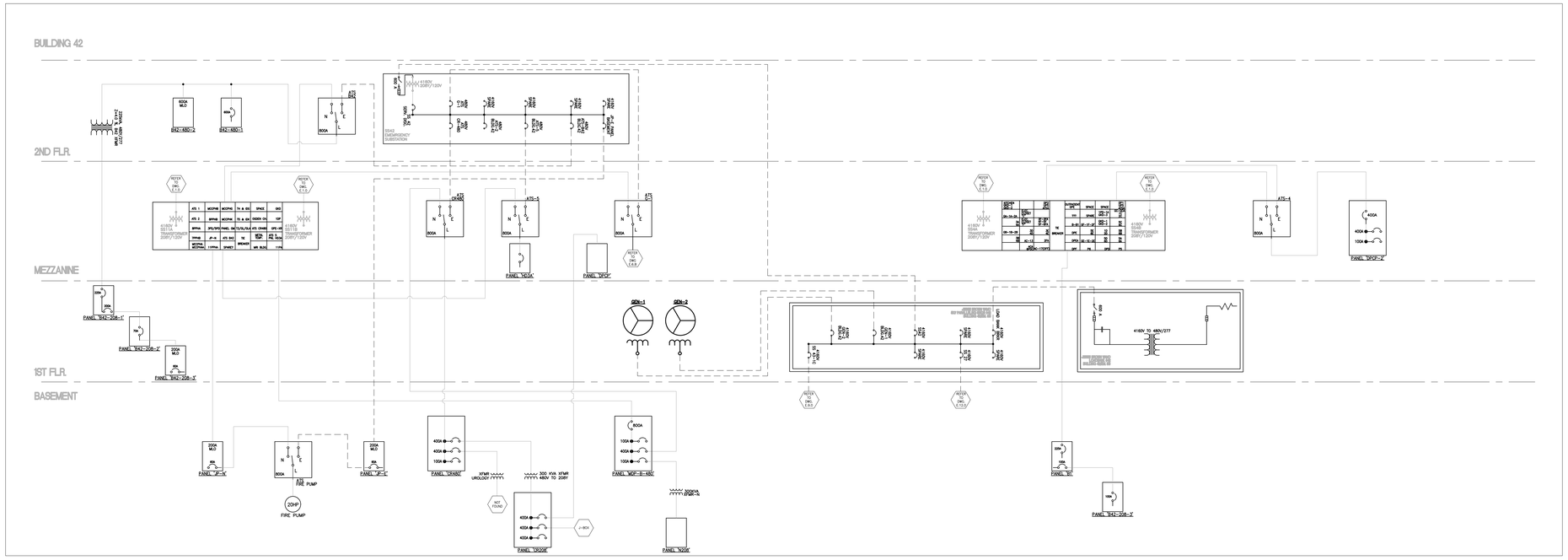
# BUILDING 30/42/26



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Drawing Title: **BUILDING 30, 42, 26 POWER**

Approved:

Approved:

Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line

Building Number: –

Checked: B.C.

Drawn: R.Z.,M.B.,B.C.

Location: 820 S DAMEN AVE. CHICAGO, IL 60612

Date: 10-01-2021

Project No.: AF_VAMC_IL

DRAWING NO.: **E.11.0**

Dwg. **13** of **14**

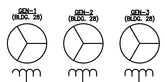
Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

GPO: – –

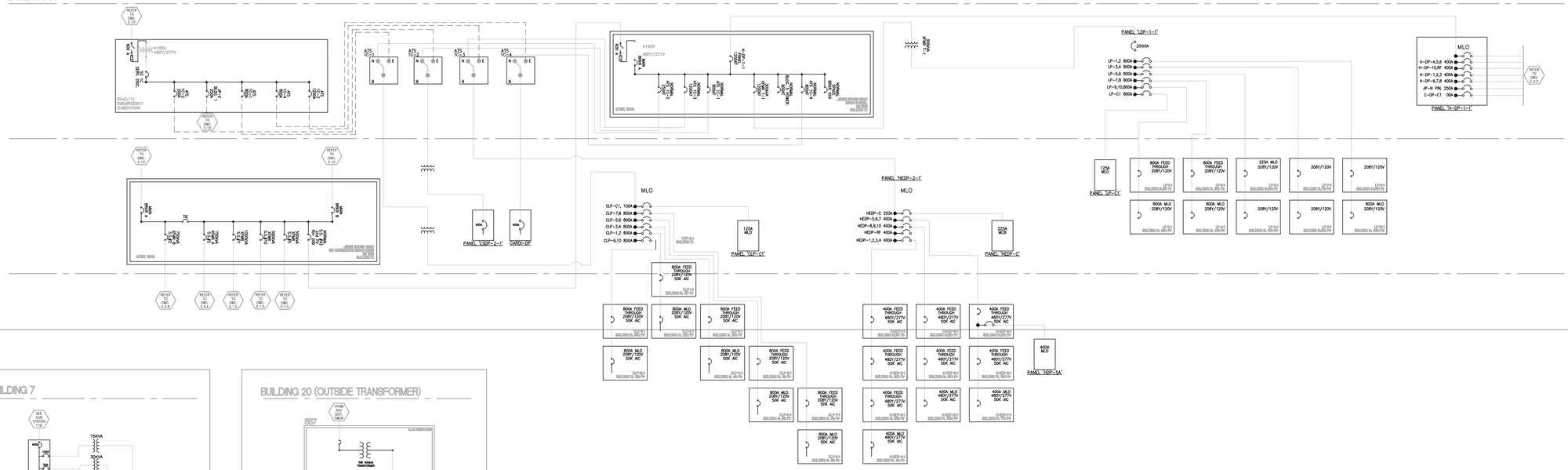
# BUILDING 21/1C/18/27

## BUILDING 21




TIED TO BUILDING 40 NOT IN SCOPE

## BUILDING 1C

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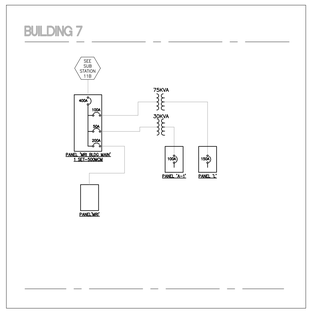
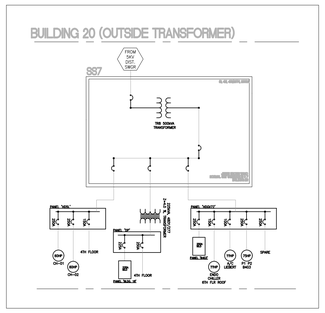
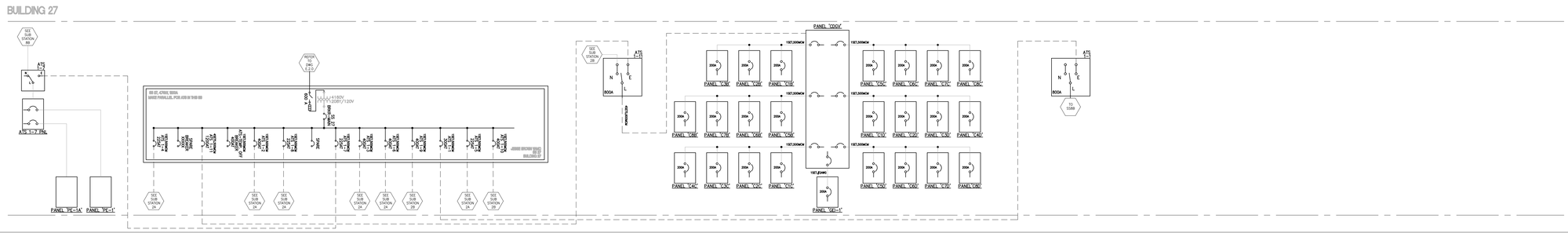



## BUILDING 20 (OUTSIDE TRANSFORMER)




## BUILDING 27

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| Drawing Title: BUILDING 21, 1C, 18, 27 POWER | Project Title: Department of Veterans Affairs JESSE R. BROWN VAMC Electrical One-Line | | Date: 10-01-2021 |
| | | | Project No.: AF_VAMC_IL |
| Approved: | Building Number: – | Checked: B.C. / Drawn: R.Z.,M.B.,B.C. | DRAWING NO. E.12.0 |
| Approved: | Location: 820 S DAMEN AVE. CHICAGO, IL 60612 | | Dwg. 14 of 14 |

Department of Veterans Affairs

VA FORM 08-6231, DEC 1989

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