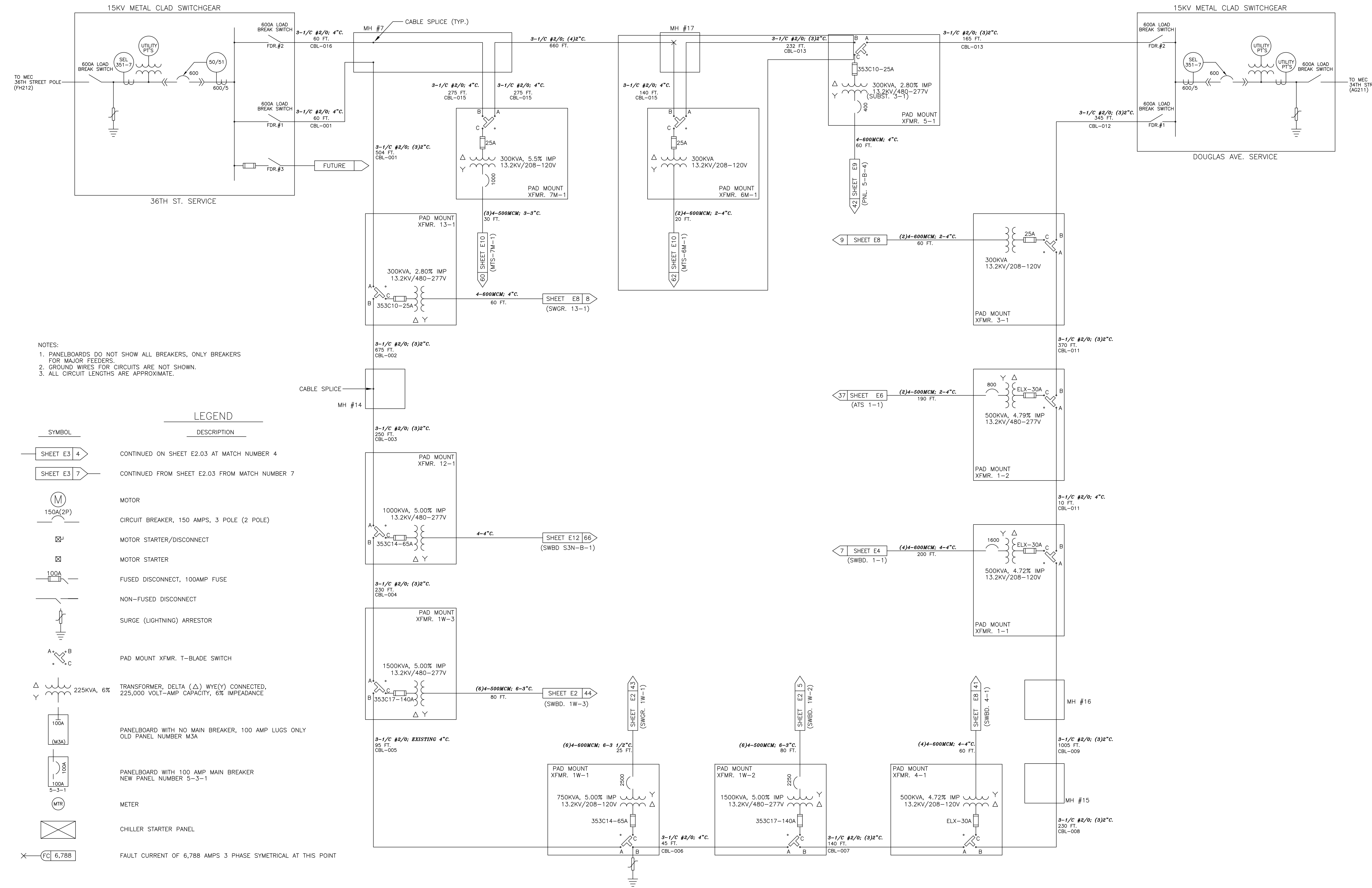


A  
B  
C  
D  
E  
F

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

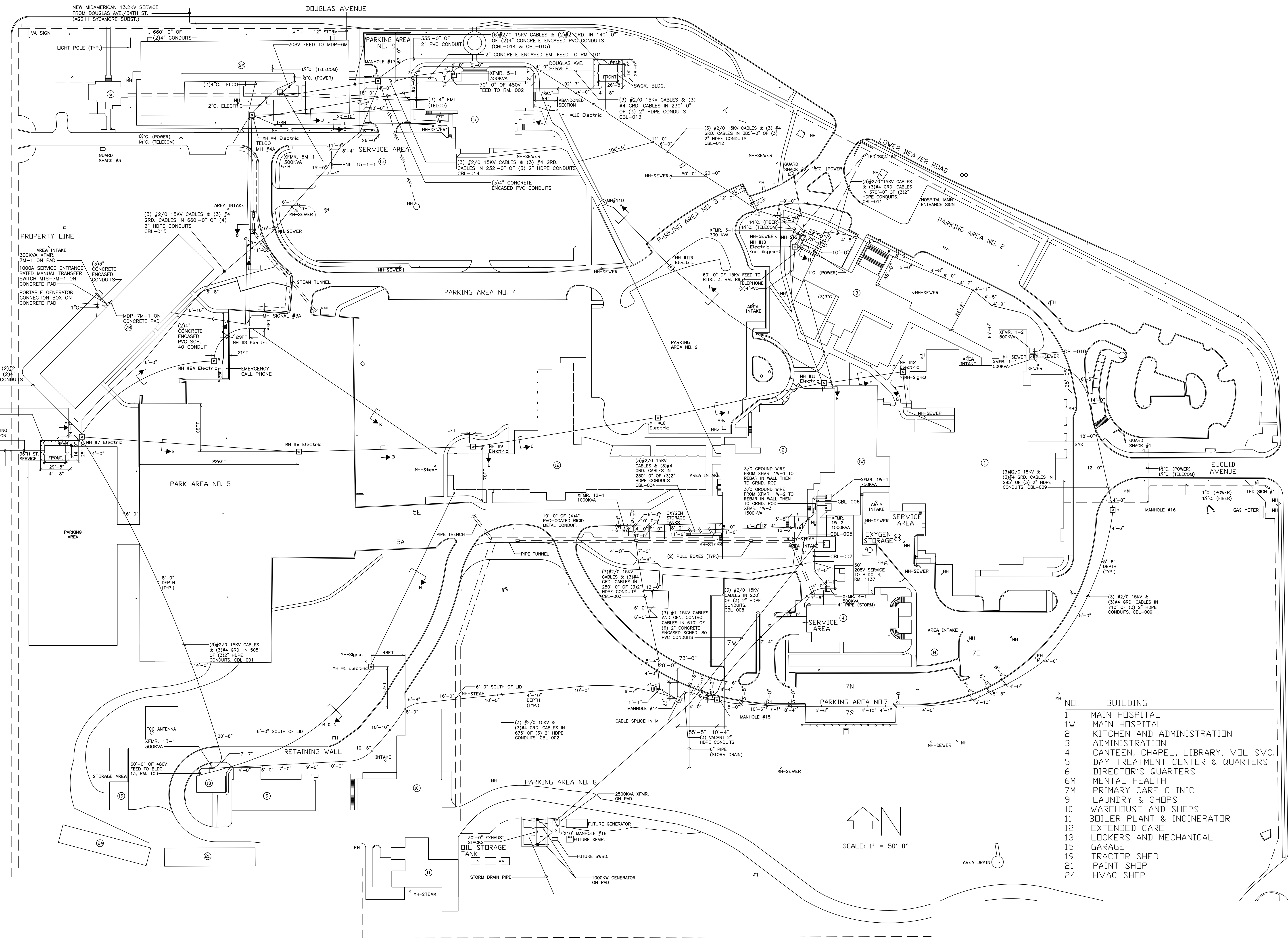



NOTES:  
1. PANELBOARDS DO NOT SHOW ALL BREAKERS, ONLY BREAKERS FOR MAJOR FEEDERS.  
2. GROUND WIRES FOR CIRCUITS ARE NOT SHOWN.  
3. ALL CIRCUIT LENGTHS ARE APPROXIMATE.

| SYMBOL | DESCRIPTION   |
|--------|---|
|        | CONTINUED ON SHEET E3.03 AT MATCH NUMBER 4  |
|        | CONTINUED FROM SHEET E3.03 FROM MATCH NUMBER 7                                    |
|        | MOTOR   |
|        | CIRCUIT BREAKER, 150 AMPS, 3 POLE (2 POLE)  |
|        | MOTOR STARTER/DISCONNECT  |
|        | MOTOR STARTER   |
|        | FUSED DISCONNECT, 100AMP FUSE   |
|        | NON-FUSED DISCONNECT  |
|        | SURGE (LIGHTNING) ARRESTOR  |
|        | PAD MOUNT XFMR. T-BLADE SWITCH  |
|        | TRANSFORMER, DELTA (Δ) WYE(Y) CONNECTED, 225,000 VOLT-AMP CAPACITY, 6% IMPEADANCE |
|        | PANELBOARD WITH NO MAIN BREAKER, 100 AMP LUGS ONLY OLD PANEL NUMBER M3A           |
|        | PANELBOARD WITH 100 AMP MAIN BREAKER NEW PANEL NUMBER 5-3-1                       |
|        | METER   |
|        | CHILLER STARTER PANEL   |
|        | FAULT CURRENT OF 6,788 AMPS 3 PHASE SYMETRICAL AT THIS POINT                      |

|                    |  |                      |  |  |   |  |
|--------------------|--|----------------------|--|--|---|--|
| CONSULTANTS:       |  | ARCHITECT/ENGINEERS: |  | Drawing Title<br>CAMPUS 1 LINE DIAGRAM | Project Title<br>MASTER RECORD DRAWINGS | Project Number   |
| Building 4 updates |  |                      |  | Approved Project Director              | Location<br>DES MOINES, IOWA            | Building Number<br>BUILDING 1-4  |
| Revisions          |  |                      |  | Date<br>1/3/2014                       | Checked<br>-                            | Drawn<br>-   |
| 1/13/2015          |  |                      |  |  |   | Drawing Number<br>E1   |
| Date               |  |                      |  |  |   | Office of Construction and Facilities Management<br>Department of Veterans Affairs |

three inches = one foot  
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one inch = one foot  
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one eighth inch = one foot



|                    |           |              |  |                      |  |                            |                        |                 |   |
|--------------------|-----------|--------------|--|----------------------|--|----------------------------|------------------------|-----------------|---|
|                    |           | CONSULTANTS: |  | ARCHITECT/ENGINEERS: |  | Drawing Title              | Project Title          | Project Number  | Office of<br>Construction<br>and Facilities<br>Management   |
|                    |           |              |  |                      |  | SITE 15KV DISTRIBUTION     | MASTER RECORD DRAWINGS | Building Number |   |
|                    |           |              |  |                      |  |                            |                        | SITE LAYOUT     |   |
|                    |           |              |  |                      |  | Approved: Project Director | Location               | Drawing Number  |   |
|                    |           |              |  |                      |  | -                          | DES MOINES, IOWA       | E14             |   |
|                    |           |              |  |                      |  | -                          |                        |                 |   |
| Building 4 updates | 1/13/2015 |              |  |                      |  | Date                       | Checked                | Drawn           |  Department of<br>Veterans Affairs |
| Revisions:         | Date      |              |  |                      |  | 1/3/2014                   | -                      | -               |   |