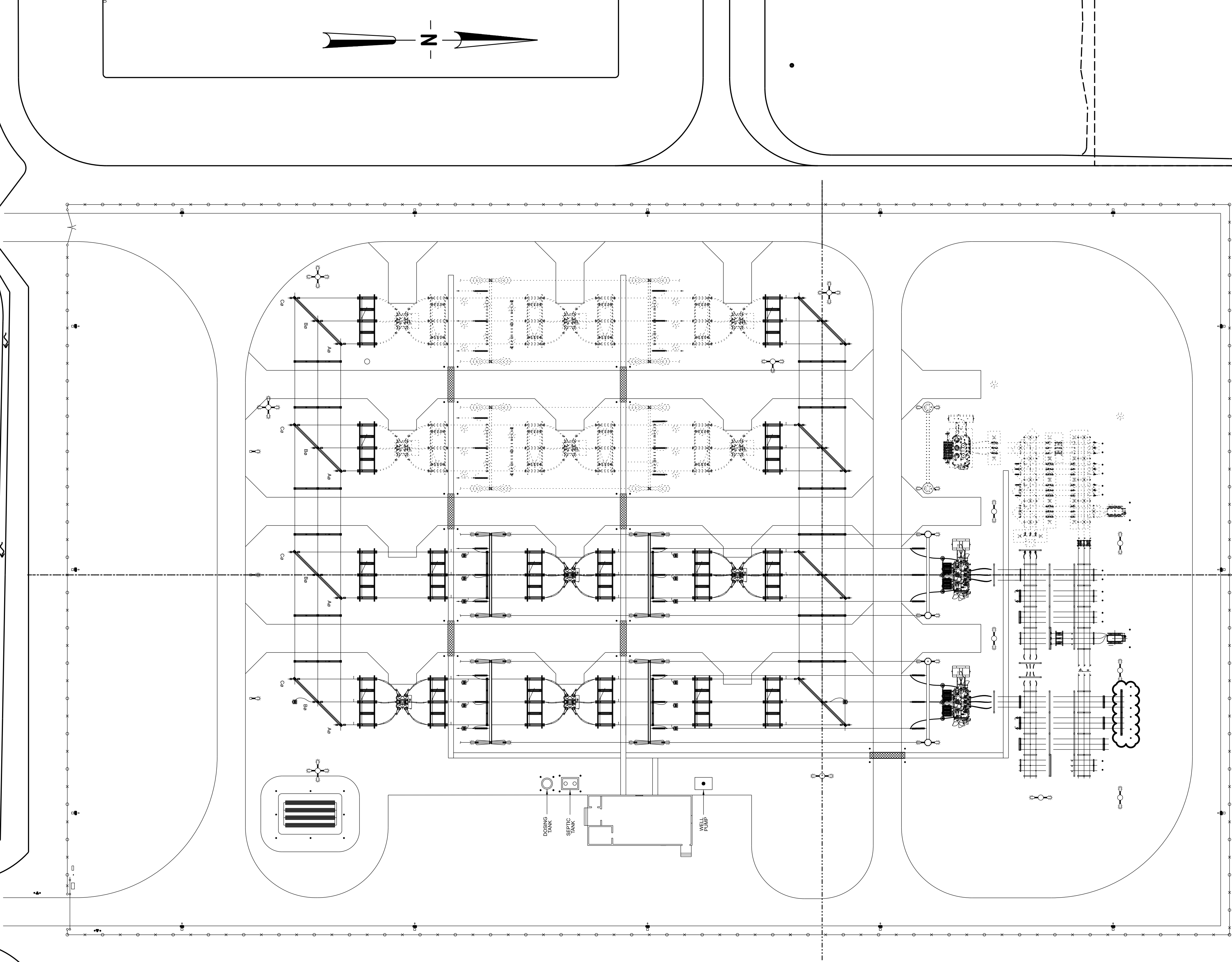


- CONSTRUCTION NOTES:
- CIRCUITS 423 & 424 ARE PARTIALLY CONSTRUCTED. CONDUCTORS AND TERMINATIONS ALREADY INSTALLED AT DINSMORE SUBSTATION IN LOCATIONS SHOWN. DISTRIBUTION WILL EXTEND CIRCUITS TO FOREST TRAILS SOLAR COLLECTOR YARD.
 - EXISTING ARRESTERS TO BE REUSED. RETERMINATE EXISTING SURGE ARRESTERS TAPS TO LINE SIDE OF METERING EQUIPMENT.

ISSUED FOR QUOTE

NOT FOR CONSTRUCTION

| <div><div>JEA</div><div>225 NORTH PEARL STREET JACKSONVILLE, FLORIDA 32202</div></div> <div>ISSUED FOR QUOTE</div> | <div>CONSULTANT INFORMATION</div> <div><div><div>BURNS MCDONNELL</div><div>495 N KELLER ROAD, SUITE 300 MAITLAND, FL 32751 WWW.BURNSMCD.COM</div></div></div> | <div>PROFESSIONAL ENGINEER'S SEAL</div> <div>ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF</div> <div>PE: <u>Brandon T. Murphy</u></div> <div>LIC. NO.: <u>98687</u></div> <div>STATE: <u>FL</u></div> <div>DATE: <u>-</u></div> | <table><tr><th>REV</th><th>DATE</th><th>PROJ #</th><th>REVISION DESCRIPTION</th><th>BY</th><th>REVIEW</th><th colspan="2">ENGINEERING</th></tr><tr><td>1</td><td>03/20/19</td><td>8003353</td><td>REVISED BREAKER NOTATIONS.</td><td>JPF</td><td>JPF</td><td>DATE</td><td>10/19/18</td></tr><tr><td>2</td><td>02/21/20</td><td>8003353</td><td>RECORD DRAWING - ADDED 2% FOR TRANSFORMERS.</td><td>JJD</td><td>TRG</td><td>BY</td><td>JPF</td></tr><tr><td>3A</td><td>07/22/25</td><td>8008403</td><td>METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 30% REVIEW</td><td>JB</td><td>BTM</td><td>REVIEW</td><td>TRG</td></tr><tr><td>3B</td><td>12/11/25</td><td>8008403</td><td>METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW</td><td>JB</td><td>BTM</td><td colspan="2">DRAFTING</td></tr><tr><td>3C</td><td>02/06/26</td><td>8008403</td><td>METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW</td><td>JB</td><td>BTM</td><td>DATE</td><td>10/19/18</td></tr><tr><td>3D</td><td>02/27/26</td><td>8008403</td><td>METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE</td><td>JB</td><td>BTM</td><td>BY</td><td>JLC</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>REVIEW</td><td>JPF</td></tr></table> | REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING | | 1 | 03/20/19 | 8003353 | REVISED BREAKER NOTATIONS. | JPF | JPF | DATE | 10/19/18 | 2 | 02/21/20 | 8003353 | RECORD DRAWING - ADDED 2% FOR TRANSFORMERS. | JJD | TRG | BY | JPF | 3A | 07/22/25 | 8008403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 30% REVIEW | JB | BTM | REVIEW | TRG | 3B | 12/11/25 | 8008403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW | JB | BTM | DRAFTING | | 3C | 02/06/26 | 8008403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | DATE | 10/19/18 | 3D | 02/27/26 | 8008403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | BY | JLC | - | - | - | - | - | - | REVIEW | JPF | DINSMORE SUBSTATION INSTALLATION | | DRAWING NAME: DN2018-SL2.dgn |
|--|---|---|---|----------------------|------|-------------------------|----------------------|----|--------|-------------|--|---|----------|---------|----------------------------|-----|-----|------|----------|---|----------|---------|---|-----|-----|----|-----|----|----------|---------|--|----|-----|--------|-----|----|----------|---------|--|----|-----|----------|--|----|----------|---------|--|----|-----|------|----------|----|----------|---------|---|----|-----|----|-----|---|---|---|---|---|---|--------|-----|----------------------------------|--|---------------------------------|
| | REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 03/20/19 | 8003353 | REVISED BREAKER NOTATIONS. | JPF | JPF | DATE | 10/19/18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 02/21/20 | 8003353 | RECORD DRAWING - ADDED 2% FOR TRANSFORMERS. | JJD | TRG | BY | JPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3A | 07/22/25 | 8008403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 30% REVIEW | JB | BTM | REVIEW | TRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3B | 12/11/25 | 8008403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW | JB | BTM | DRAFTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3C | 02/06/26 | 8008403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | DATE | 10/19/18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3D | 02/27/26 | 8008403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | BY | JLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | - | - | REVIEW | JPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SINGLE LINE DIAGRAM | | | | DINSMORE SUBSTATION | | DRAWING SET: DN2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBSTATION & TRANSMISSION ENGINEERING | | | | SCALE: NONE | | DRAWING #: 58 OF 116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJ #: 8009403 | | | | | | SHEET #: 2 OF 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



ELECTRICAL CLEARANCE NOTES

1. PROVIDE 1/4" WEEP HOLE DRILLED IN THE BOTTOM OF LOW POINT OF EACH SECTION OF TUBULAR BUS. ALL ROUGH EDGES TO BE FILED SMOOTH TO BE CORONA FREE WHEN THE BUS IS INSTALLED.
2. THE FOLLOWING ARE ELECTRICAL CLEARANCES FOR JEA SUBSTATION PROJECTS. THE CONTRACTOR SHOULD CONSTRUCT THE SUBSTATION AS DEPICTED IN THE DRAWINGS AND REFER TO THESE AS A REFERENCE. NOTE THAT "PHASE SPACING" IS TYPICAL, NOT MINIMUM.
2. A CONTINUOUS LENGTH OF DAMPING CABLE SHALL BE INSTALLED IN ALL ALUMINUM BUS SECTIONS LONGER THAN 10 FEET. THE UNIT WEIGHT OF DAMPING CABLE SHOULD BE 10-33% OF THE BUS UNIT WEIGHT. THE DAMPING CABLE SHALL BE TAPED AT BOTH ENDS TO PREVENT STRAND SEPARATION AND HAVE ONE END TACK-WELDED TO THE BUS INTERIOR.

ELECTRICAL PLAN NOTES

1. TRANSMISSION A FRAME DESIGN TENSION: 5000LB PER PHASE, 2000LB SHIELD
TRANSFORMER A FRAME DESIGN TENSION: 5000LB PER PHASE, 2000LB SHIELD
TRANSFORMER H FRAME DESIGN TENSION: 5000LB PER PHASE, 2000LB SHIELD
2. THE CONTRACTOR SHALL LABEL 230KV BUS PHASING USING SPRAY PAINT AND A BLOCK STENCIL WITH 6" HIGH LETTERS. LABEL SHALL INCLUDE ONLY THE PHASE LETTER AS SHOWN, OMITTING THE "PH" SYMBOL. THE LABELING SHALL OCCUR ON BOTH SIDES OF THE EIGHT 230KV DIAGONAL BUS SUPPORTS, CENTERED DIRECTLY BELOW THE RESPECTIVE PHASE INSULATOR. THE CONTRACTOR SHALL PREPARE THE SURFACE IN A MANNER APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO PAINTING. THE PAINT SHALL BE RUST-OLEUM SPRAY ON #7776-830, FLAT BLACK, OR EQUAL AS APPROVED BY THE PROJECT REPRESENTATIVE.

CONSTRUCTION NOTES

1. EXISTING 4" PVC PROTECTIVE BOLLARDS TO BE REMOVED PRIOR TO STRUCTURE INSTALLATION AND RE-INSTALLED IN NEW LOCATIONS AS SHOWN ONCE STRUCTURE INSTALLATION IS COMPLETE.

| Voltage (kV) | BIL (kV) | Min. Phase-Phase (in) | Min. Phase-Ground (ft-in) | Phase Spacing (ft-in) | Min. Above Grade Personnel (ft-in) | Roadway (ft) | Min. to Fence Horizontal (ft) |
|--------------|----------|-----------------------|---------------------------|-----------------------|------------------------------------|--------------|-------------------------------|
| 13.2 | 110 | 12" | 1'-0" | 7" | 0'-7" | 21' | 10' |
| 26.4 | 200 | 18" | 1'-6" | 13" | 1'-1" | 22' | 10' |
| 69 | 350 | 31" | 2'-7" | 25" | 2'-1" | 23' | 12' |
| 138 | 650 | 63" | 5'-3" | 50" | 4'-2" | 25' | 14' |
| 230 | 900 | 89" | 7'-5" | 71" | 5'-11" | 27' | 16' |

Reference RUS Bulletin 1724E-300 (2001), & NESC (2007)

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NOT FOR CONSTRUCTION



GRAPHIC SCALE

225 NORTH PEARL STREET
JACKSONVILLE, FLORIDA 32202

ISSUED FOR QUOTE

CONSULTANT INFORMATION

495 N KELLER ROAD, SUITE 300
MAITLAND, FL 32751
WWW.BURNSMCD.COM

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF
PE: Brendan T. Murphy
LIC. NO.: 95687
STATE: FL
DATE: -

| REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING |
|-----|----------|---------|--|-----|--------|---------------|
| 0 | 02/21/20 | 8003353 | RECORD DRAWING - REVISED DOSING/SEPTIC TANK AND WELL PUMP. | JJO | TRG | DATE 10/19/18 |
| 1A | 07/22/25 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 30% REVIEW | JB | BTM | BY JPF |
| 1B | 12/11/25 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW | JB | BTM | REVIEW JRG |
| 1C | 02/06/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | DRAFTING |
| 1D | 02/27/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | DATE 10/19/18 |
| - | - | - | - | - | - | BY JLC |
| - | - | - | - | - | - | REVIEW JPF |

DINSMORE SUBSTATION INSTALLATION

MASTER ELECTRICAL PLAN

DINSMORE SUBSTATION
SUBSTATION & TRANSMISSION ENGINEERING

SCALE: AS SHOWN

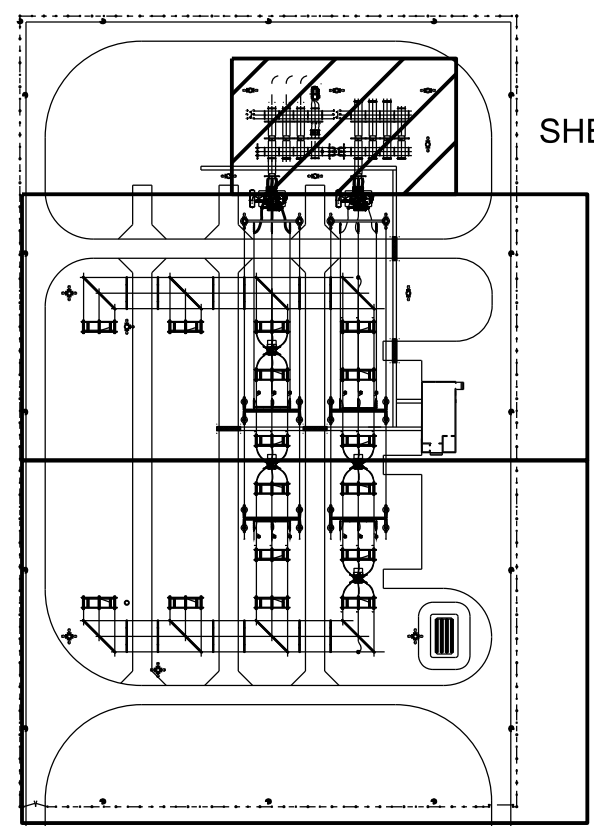
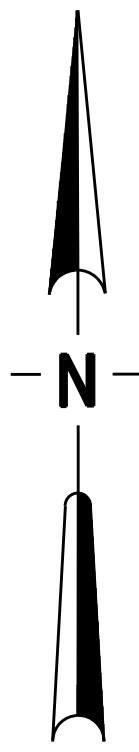
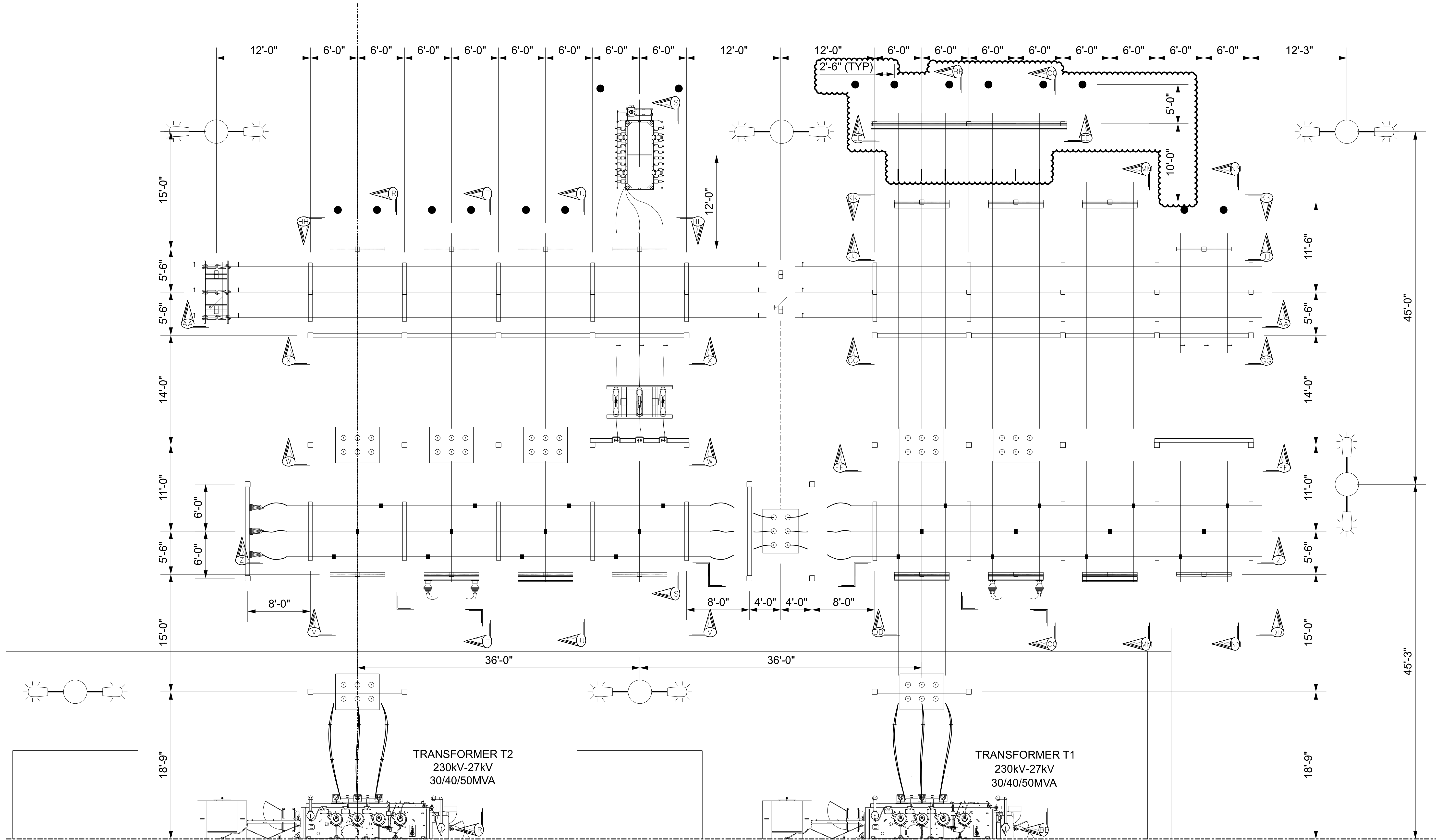
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DN2018-EP1.dgn

DRAWING SET:
DN2018

DRAWING #:
59 OF 116

SHEET #:
1 OF 1

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SHEET 4

SHEET 3

SHEET 2

ISSUED FOR QUOTE
NOT FOR CONSTRUCTION

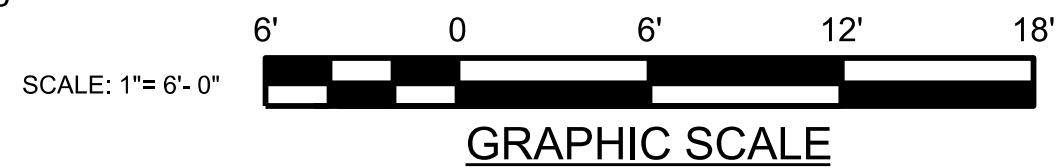
MATCHLINE B-B
SEE SHEET 3 FOR CONTINUATION

CONSTRUCTION NOTE:

1. EXISTING 4" PVC PROTECTIVE BOLLARDS TO BE REMOVED PRIOR TO STRUCTURE INSTALLATION AND RE-INSTALLED IN NEW LOCATIONS SHOWN ONCE STRUCTURE INSTALLATION IS COMPLETE.

LEGEND:

- 40W LED COBRA HEAD LUMINAIRE (60 TOTAL) (FURNISHED BY JEA, INSTALLED BY CONTRACTOR)
- 135W LED LUMINAIRE (16 TOTAL) - VPS-60L-136-5K7-3 (FURNISHED AND INSTALLED BY CONTRACTOR)
- 4" PROTECTIVE BOLLARD



GRAPHIC SCALE



225 NORTH PEARL STREET
JACKSONVILLE, FLORIDA 32202

ISSUED FOR QUOTE

CONSULTANT INFORMATION



495 N KELLER ROAD, SUITE 300
MAITLAND, FL 32751
WWW.BURNSMCD.COM

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER
THE RESPONSIBLE SUPERVISION OF

PE: Brandon T. Murphy

LIC. NO.: 98687

STATE: FL

DATE: _____

| REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING |
|-----|----------|---------|--|-----|--------|---------------|
| 1 | 04/15/20 | 8003353 | RECORD DRAWING. | JJO | TRG | DATE 10/19/18 |
| 2A | 12/11/25 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 80% REVIEW | JB | BTM | BY JPF |
| 2B | 02/06/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | REVIEW TRG |
| 2C | 02/27/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | DRAFTING |
| - | - | - | - | - | - | DATE 10/19/18 |
| - | - | - | - | - | - | BY JLC |
| - | - | - | - | - | - | REVIEW JPF |

DINSMORE SUBSTATION INSTALLATION

ELECTRICAL PLAN

DINSMORE SUBSTATION

SUBSTATION & TRANSMISSION ENGINEERING

PROJ # 8009403

DRAWING NAME:

DN2018-EP4.dgn

DRAWING SET:

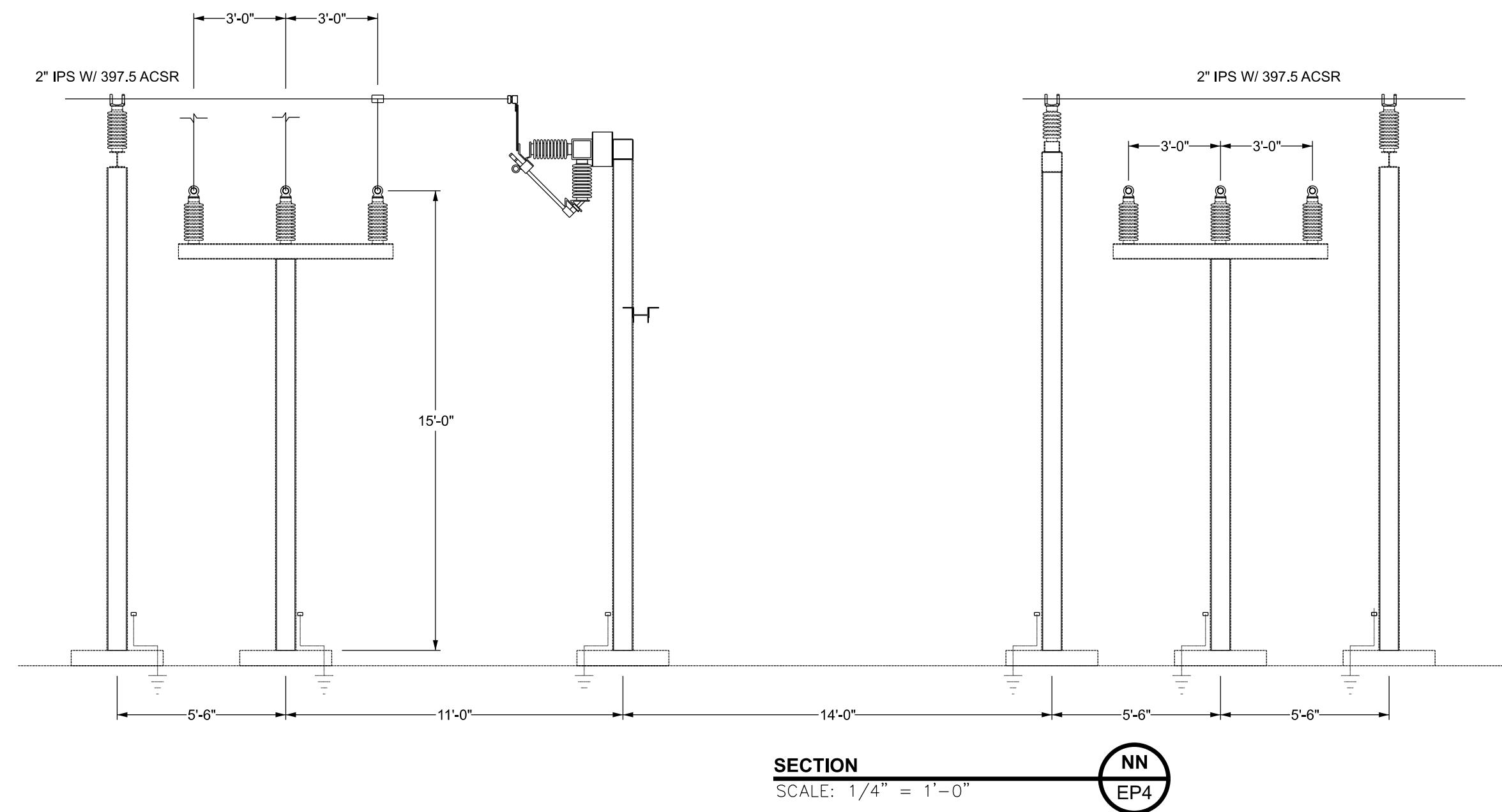
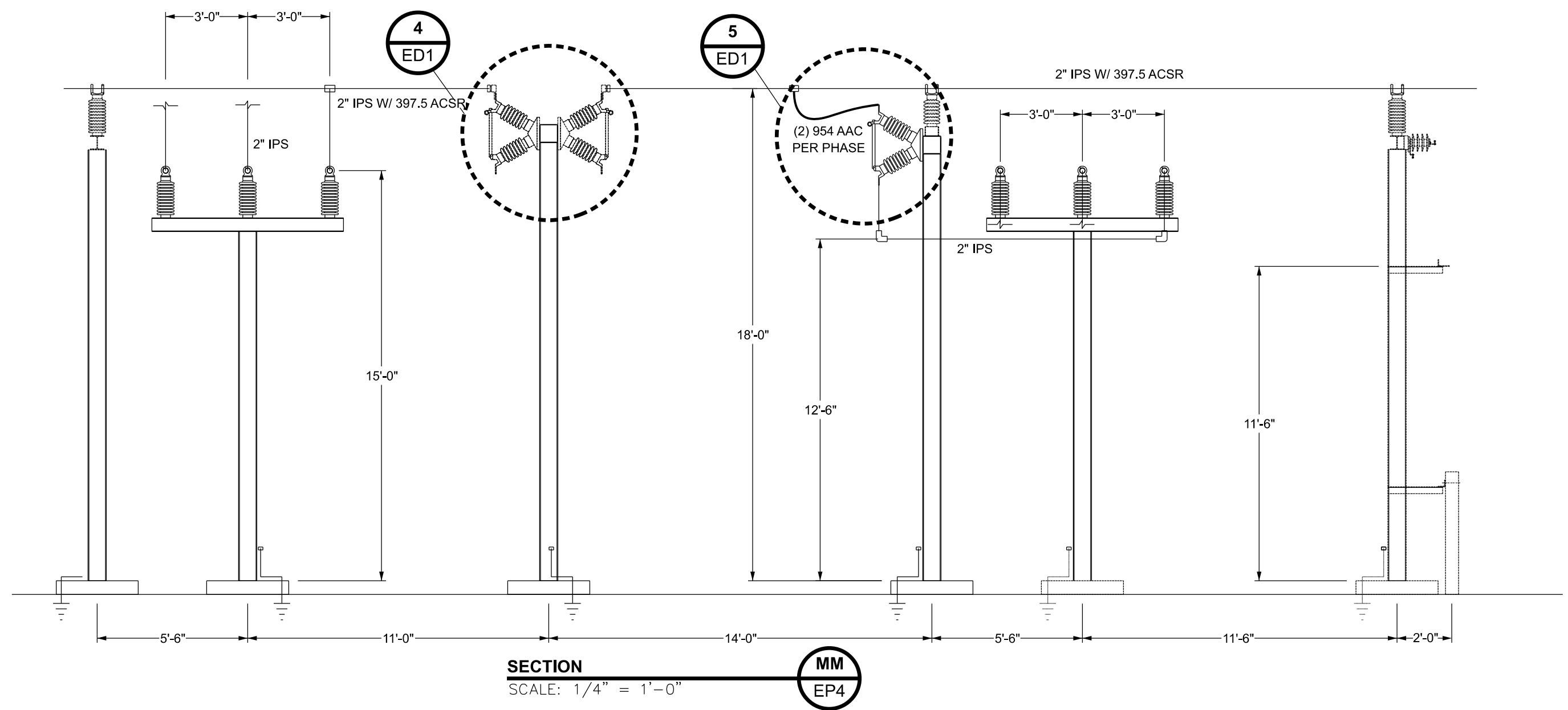
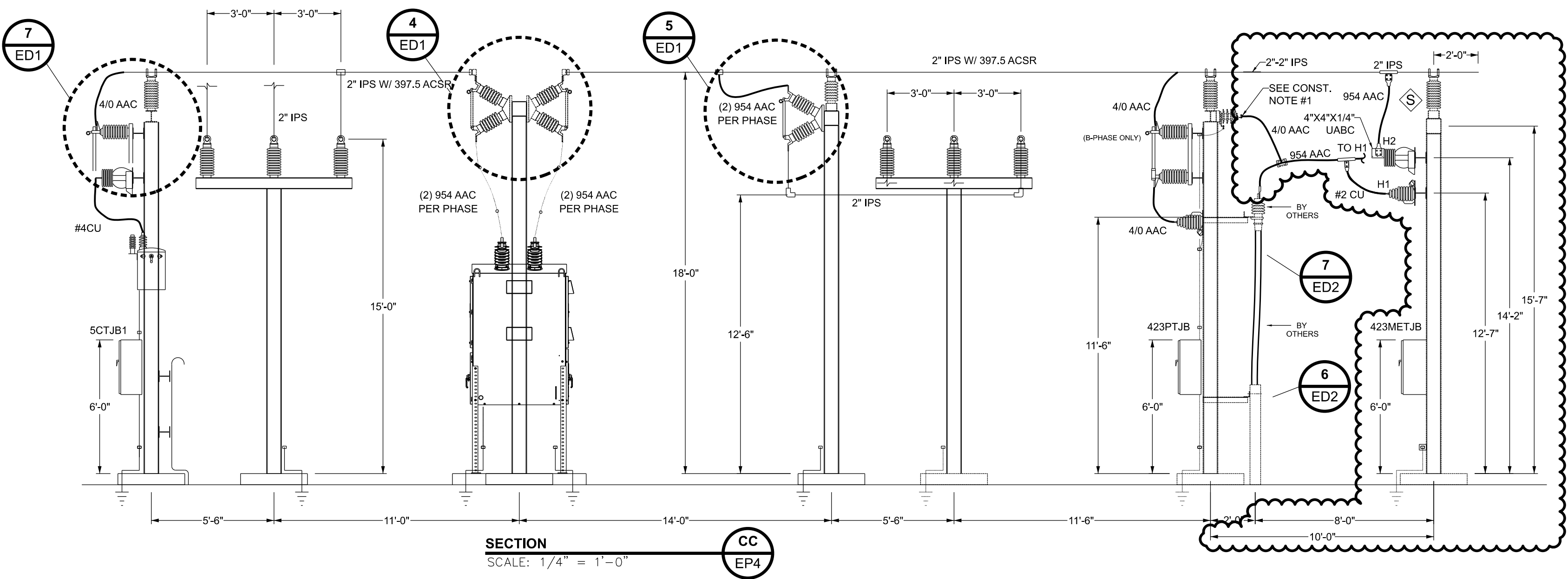
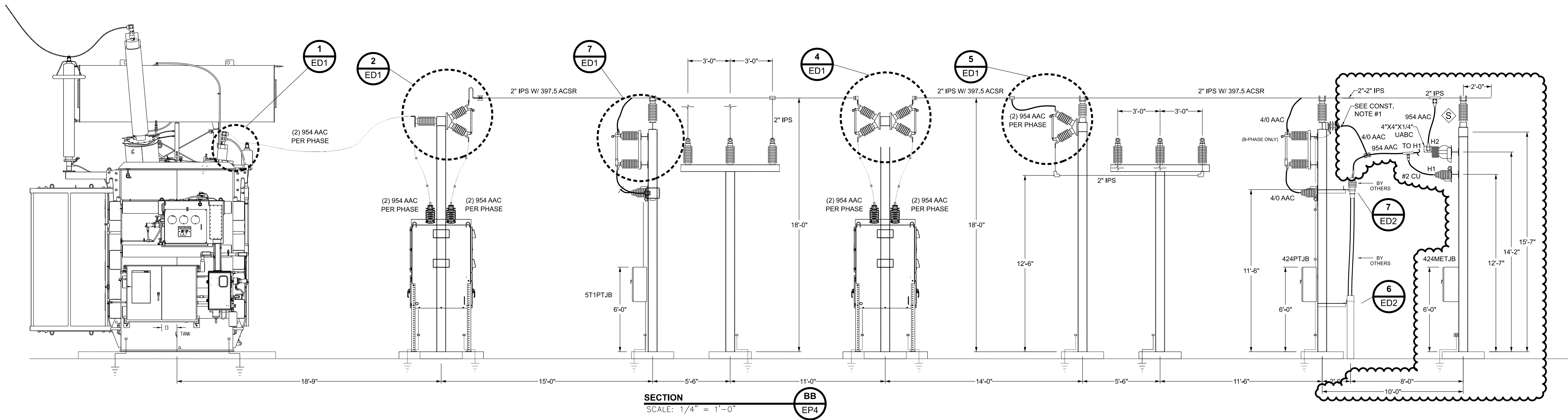
DN2018

DRAWING #:

62 OF 116

SHEET #:

4 OF 4



ISSUED FOR QUOTE

NOT FOR CONSTRUCTION

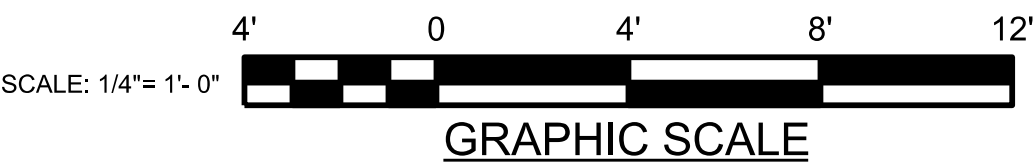
LEGEND

- RIGID BUS CONNECTION
- EXPANSION-TYPE BUS CONNECTION
- SLIP FITTING

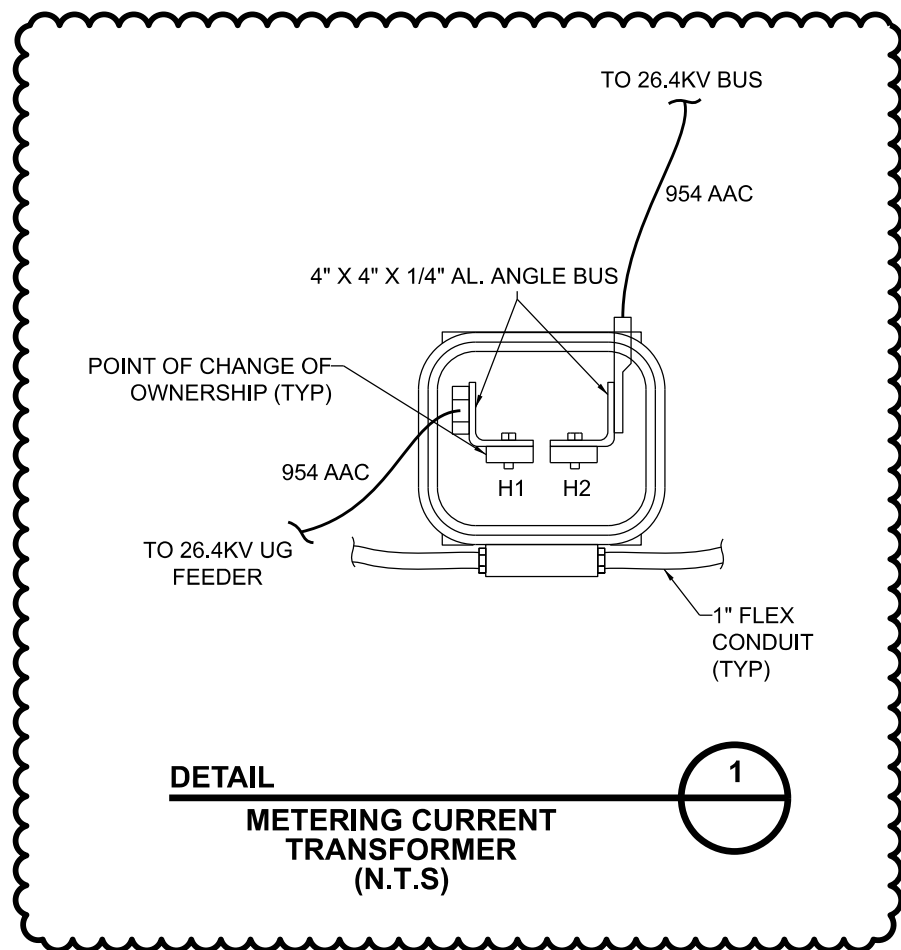
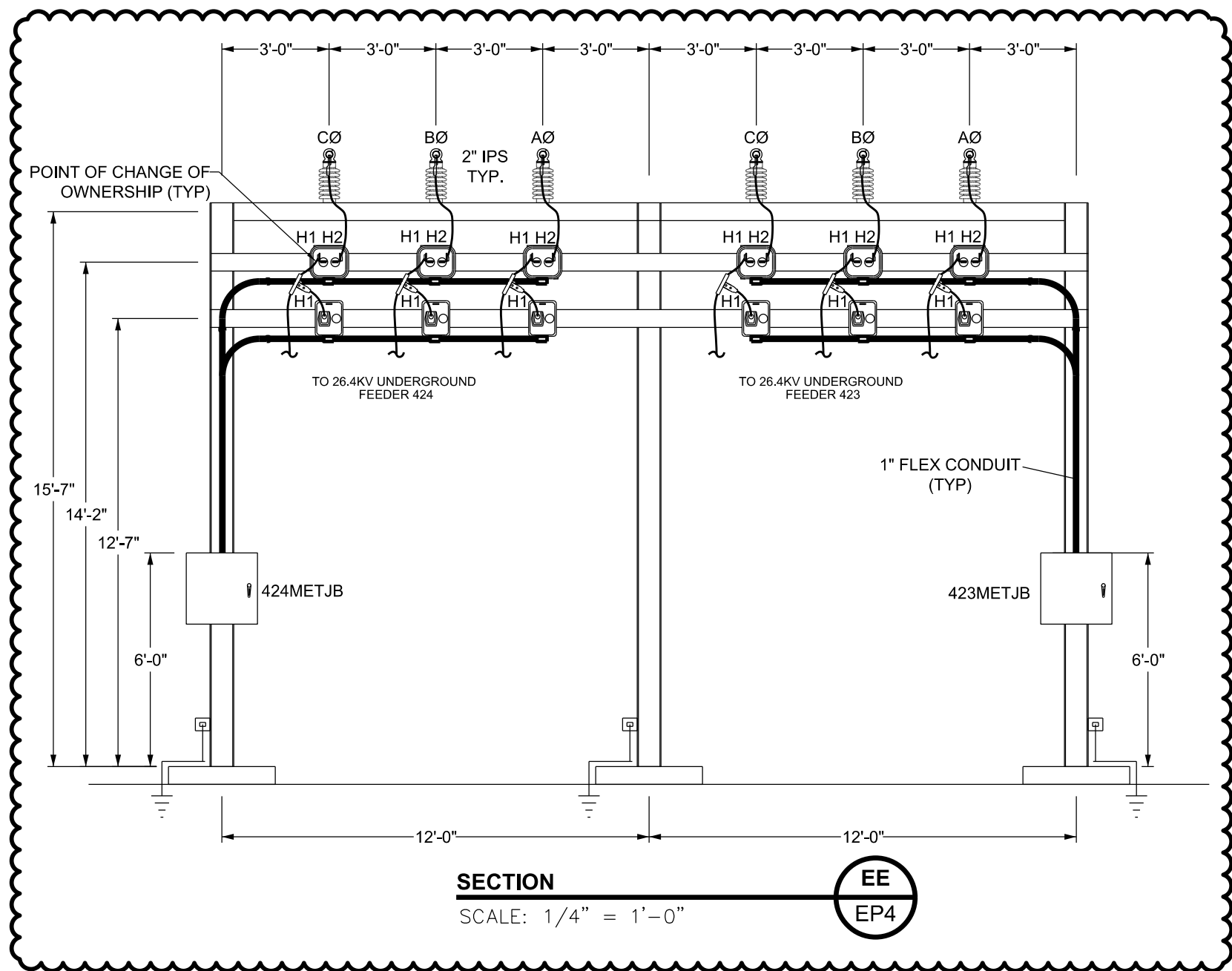
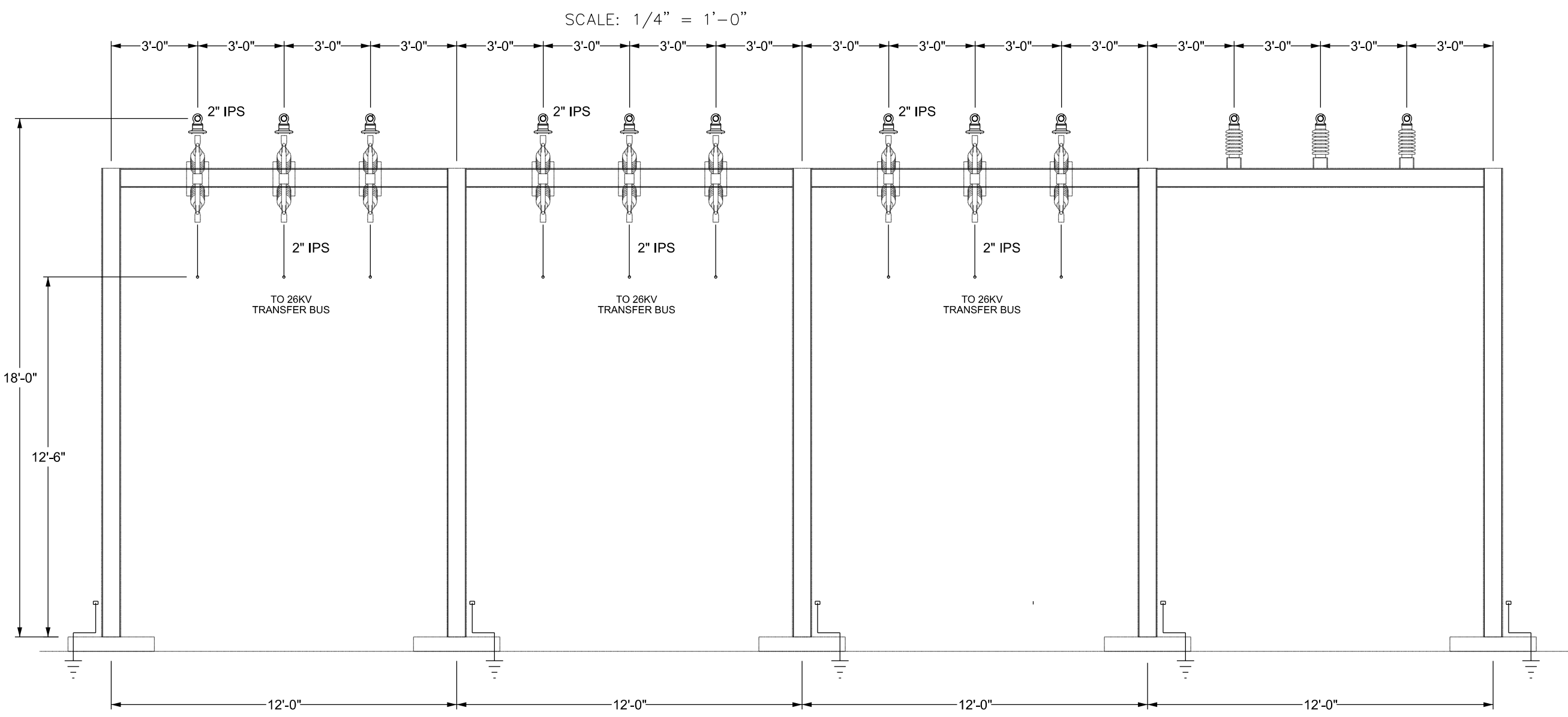
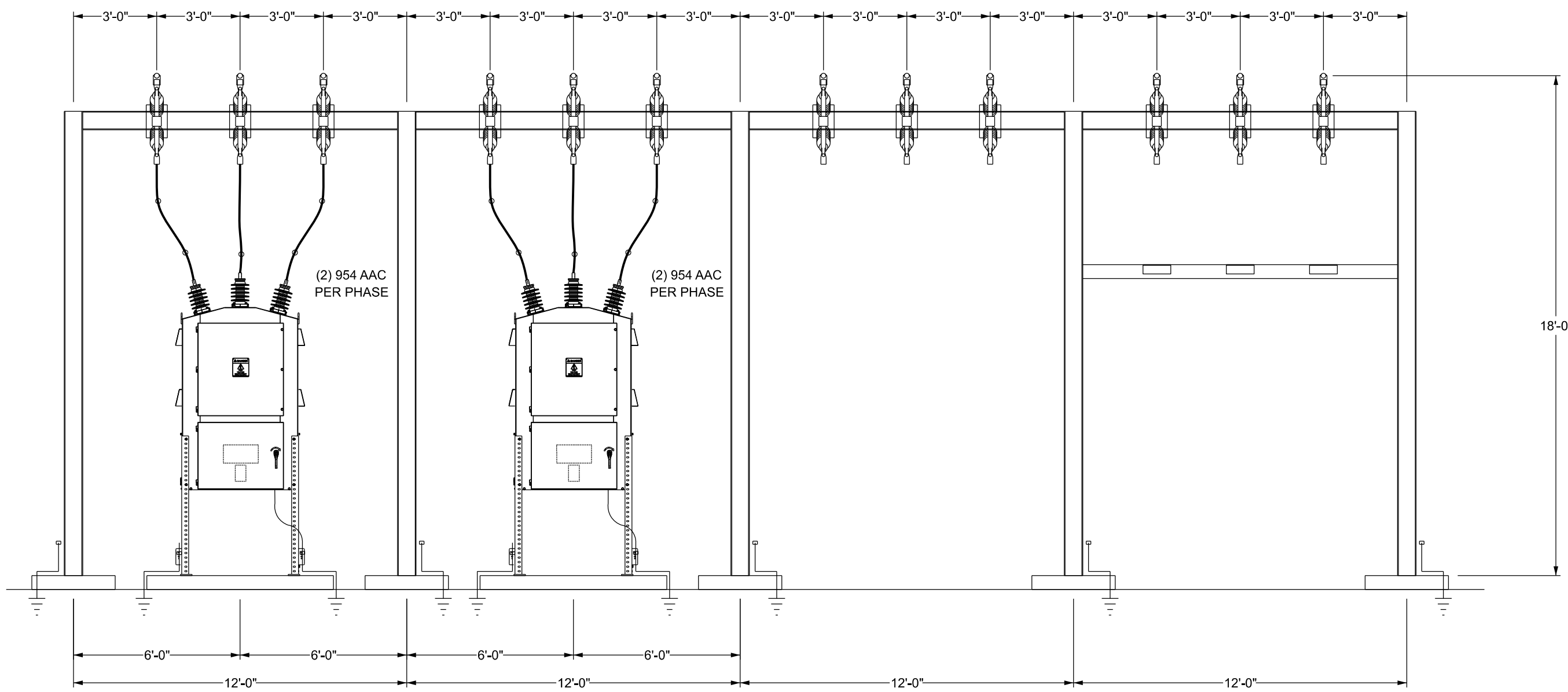
NOTE: BUS CONNECTIONS NOT DESIGNATED ARE TO BE SLIP-FIT (DO NOT FIELD WELD)

CONSTRUCTION NOTES:

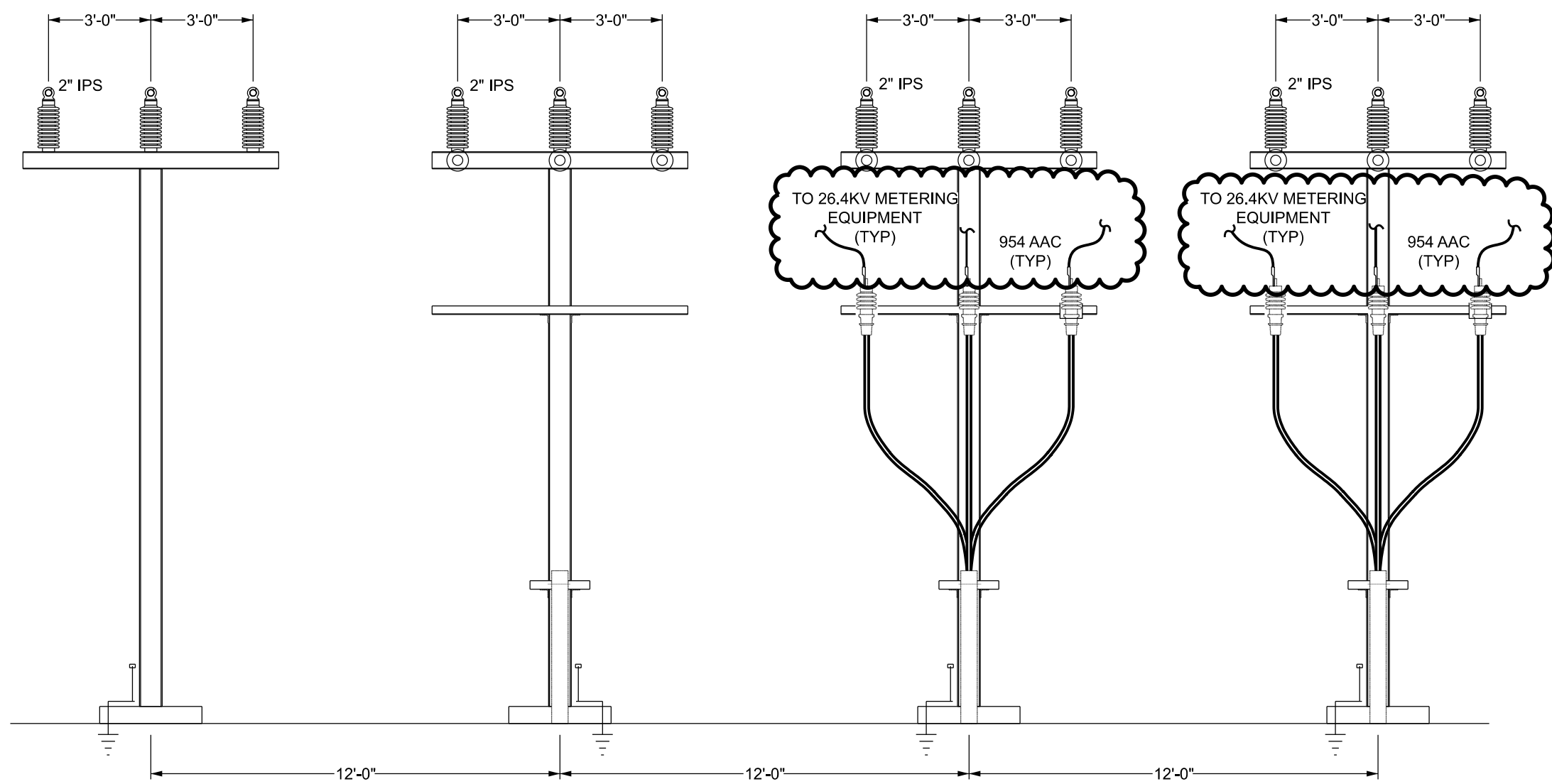
- CONTRACTOR TO REUSE EXISTING ARRESTER TAP TERMINAL AND TEE CONNECTORS, INSTALL NEW CABLE IF REQUIRED.



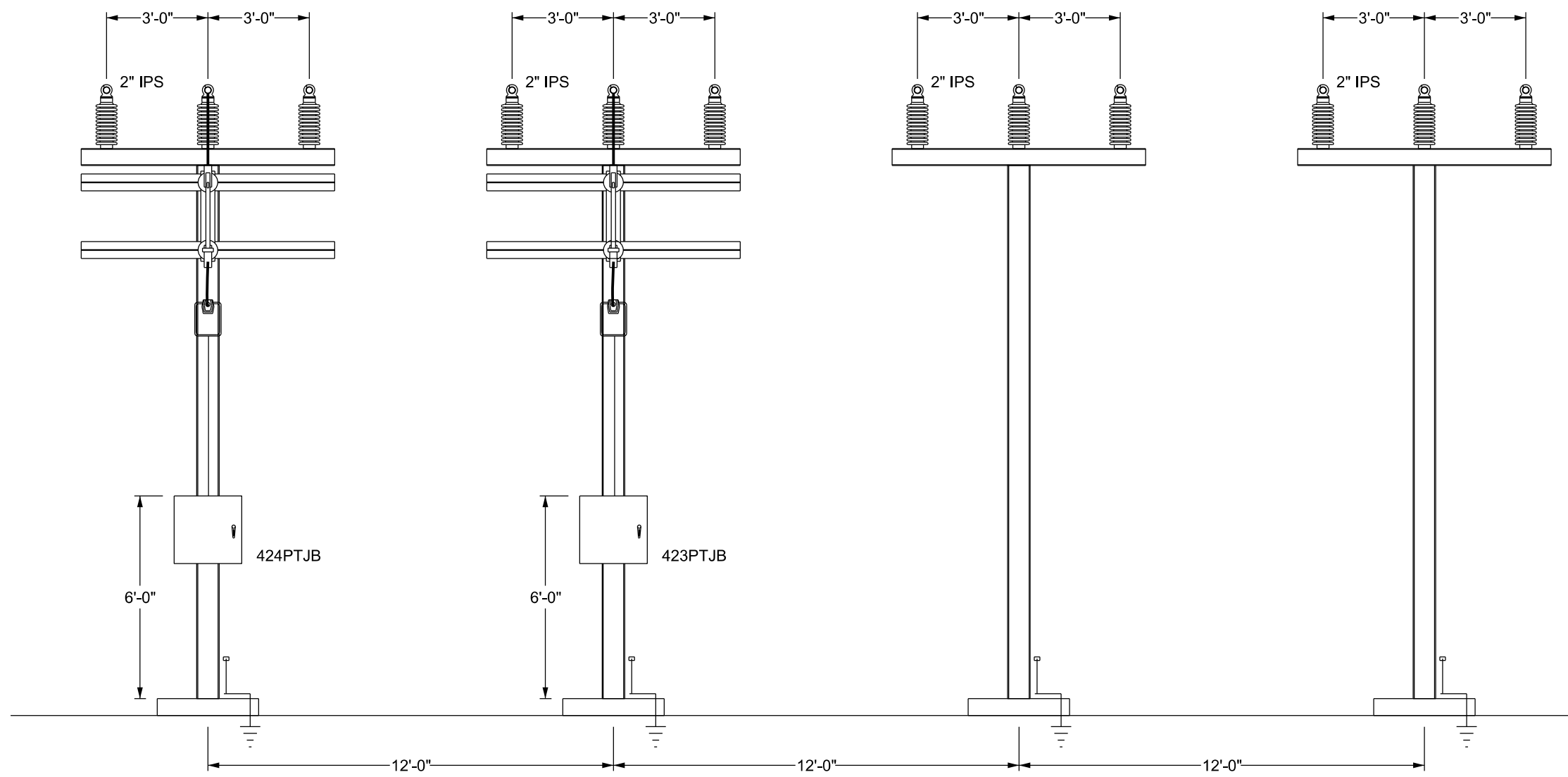
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|--|---|---|----------|----------|--|---|-----|--------|-------------|----------------------------------|--|-----|--------|---------------------------------|------------------------|---------|--|
| <div><div>JEA</div><div>225 NORTH PEARL STREET JACKSONVILLE, FLORIDA 32202</div></div> | CONSULTANT INFORMATION | PROFESSIONAL ENGINEER'S SEAL | REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING | DINSMORE SUBSTATION INSTALLATION | | | | DRAWING NAME: DN2018-E53.dgn | | | |
| | <div><div><div><div></div><div>BURNS MCDONNELL</div></div><div>495 N KELLER ROAD, SUITE 300 MAITLAND, FL 32751 WWW.BURNSMCD.COM</div></div></div> | ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF | 1 | 02/21/20 | 8003353 | RECORD DRAWING - REVISED ELECTRICAL TEXT. | JJO | TRG | DATE | 10/19/18 | ELECTRICAL SECTIONS | | | | DRAWING SET: DN2018 | | |
| 2A | | | 02/06/26 | 8009403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | BY | JPF | | | | | | | | |
| ISSUED FOR QUOTE | | | 2B | 02/27/26 | 8009403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | REVIEW | TRG | DINSMORE SUBSTATION SUBSTATION & TRANSMISSION ENGINEERING | | | | DRAWING #: 65 OF | | |
| | | | - | - | - | - | - | - | DRAFTING | SHEET #: 3 OF 10 | | | | | | | |
| | | | - | - | - | - | - | DATE | 10/19/18 | | | | | | | | |
| | | | - | - | - | - | - | BY | JLC | | | | | | | | |
| | | | | | | | | | REVIEW | | | JPF | SCALE: | AS SHOWN | PROJ #: | 8009403 | |



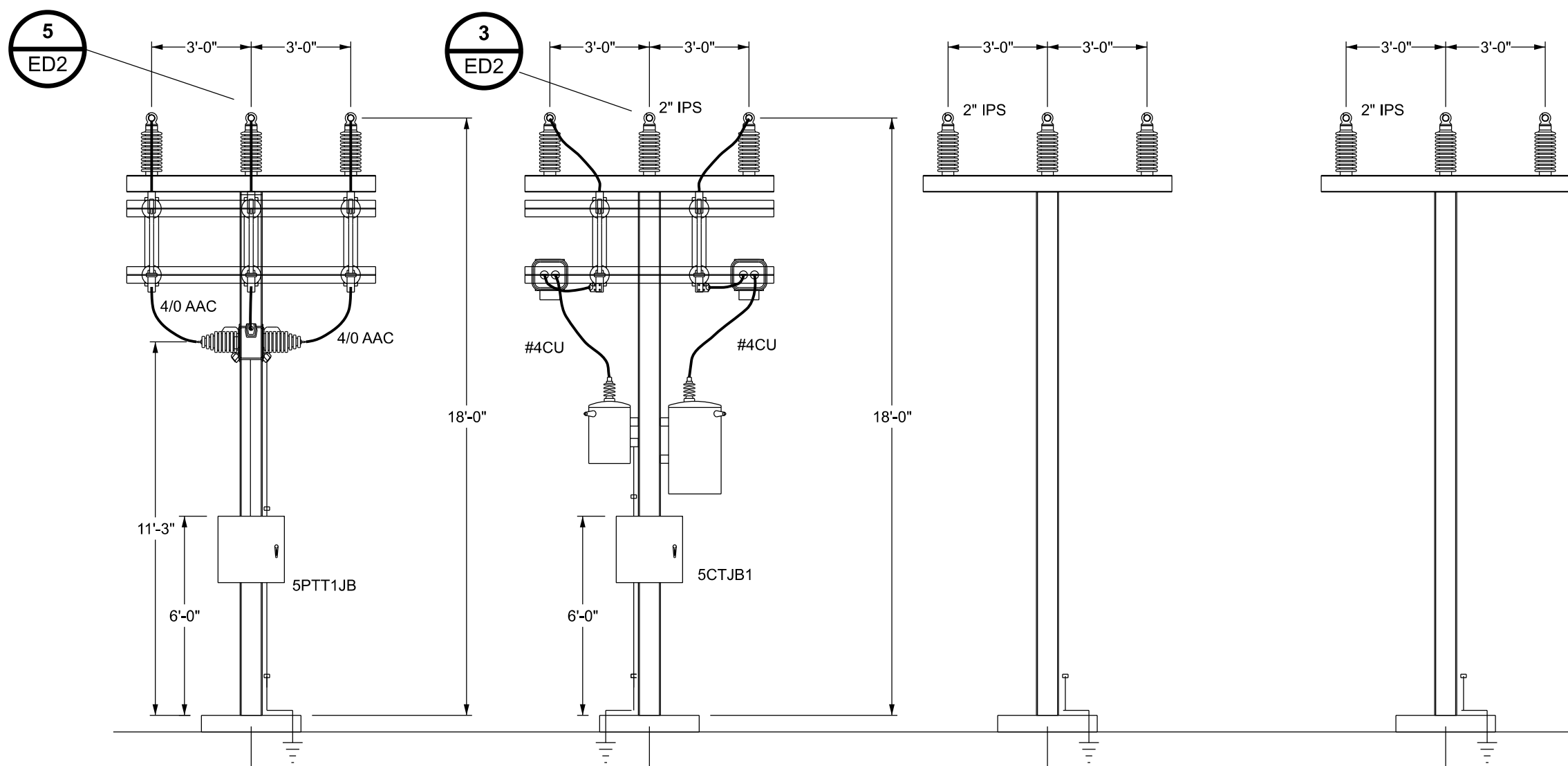
CONSTRUCTION NOTES:
1. FIELD TO PAY SPECIAL ATTENTION TO CT ORIENTATION AS SHOWN IN SECTION VIEW EE.



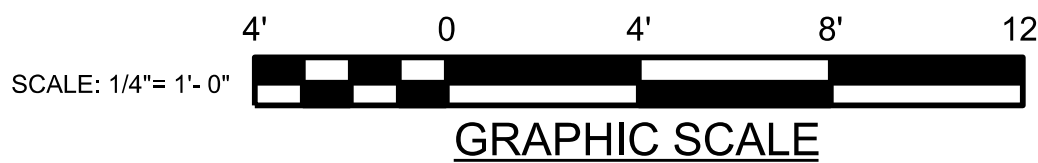
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SECTION JJ
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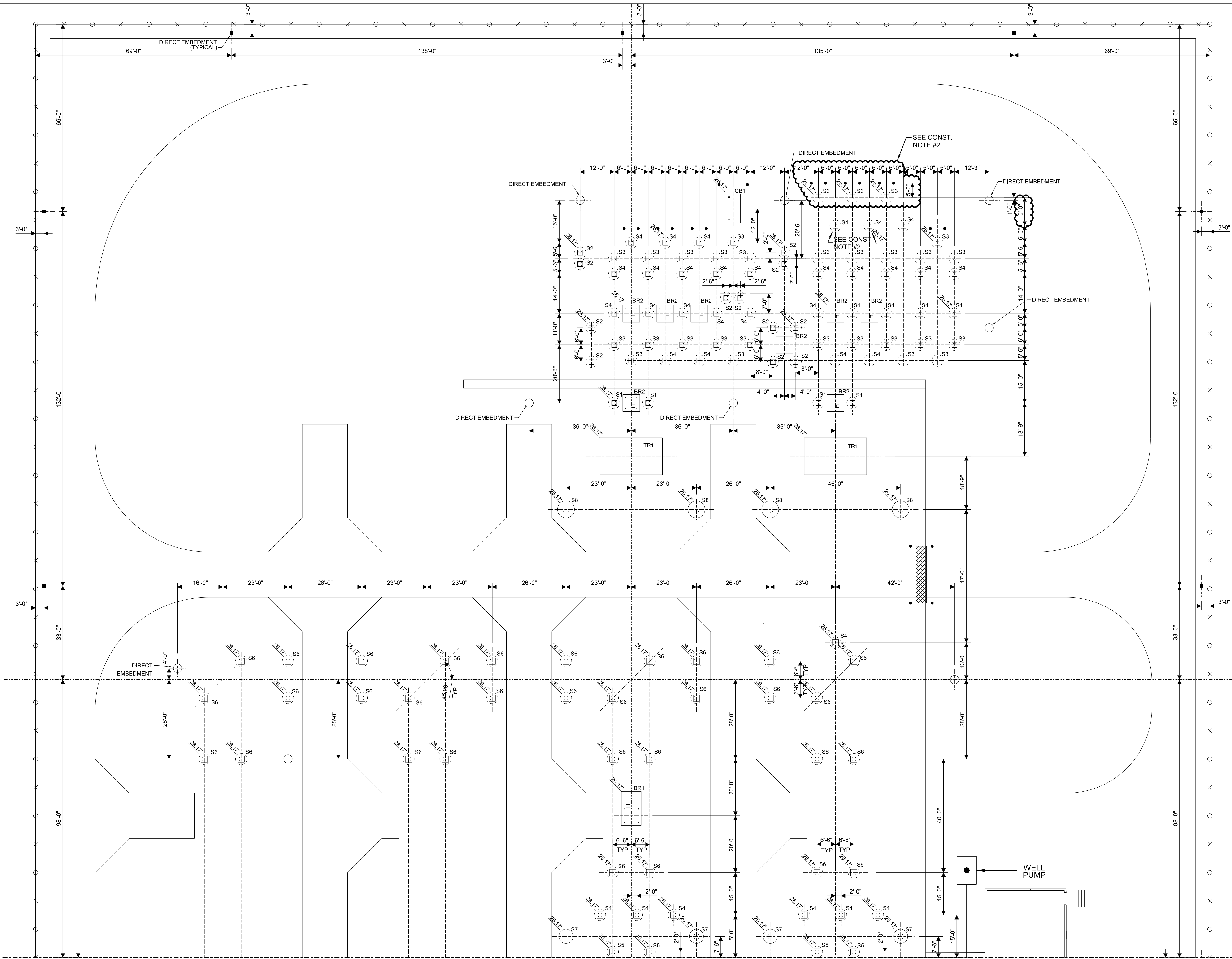


SECTION DD
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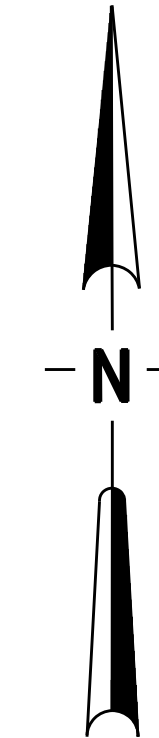
ISSUED FOR QUOTE
NOT FOR CONSTRUCTION

| REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING |
|-----|----------|---------|--|-----|--------|---------------|
| 1 | 02/21/20 | 8003353 | RECORD DRAWING - REVISED JUMPER SIZE & J.B. LABELS. | JJO | TRG | DATE 10/19/18 |
| 2A | 02/06/26 | 8009403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | BY JPF |
| 2B | 02/27/26 | 8009403 | METERING CT/PT INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | REVIEW TRG |
| - | - | - | - | - | - | DRAFTING |
| - | - | - | - | - | - | DATE 10/19/18 |
| - | - | - | - | - | - | BY JLC |
| - | - | - | - | - | - | REVIEW JPF |

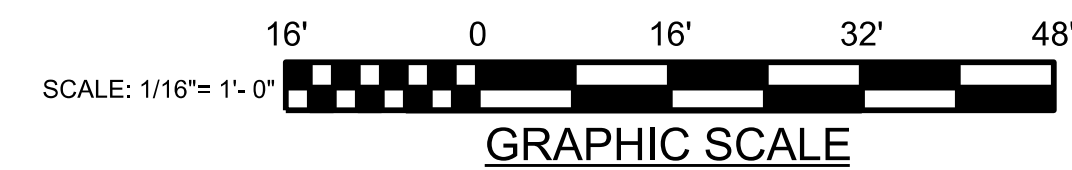
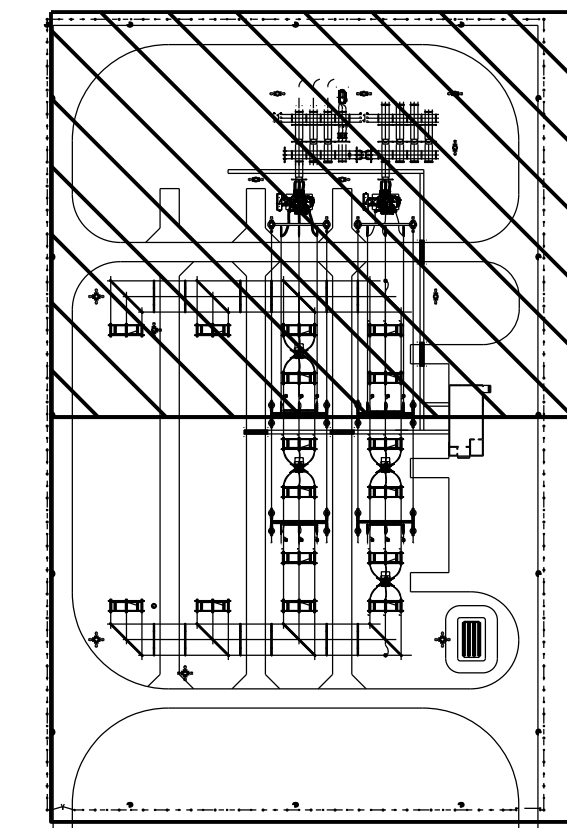


- FOUNDATION PLAN NOTES**
- SEE FOUNDATION PLAN SHEET 1 FOR NOTES AND LEGEND.

- CONSTRUCTION NOTE:**
- EXISTING 4" PVC PROTECTIVE BOLLARDS TO BE REMOVED PRIOR TO STRUCTURE INSTALLATION AND RE-INSTALLED IN NEW LOCATIONS SHOWN ONCE STRUCTURE INSTALLATION IS COMPLETE.
 - CONTRACTOR SHALL MATCH THE TOP OF FOUNDATION ELEVATIONS FOR NEW FOUNDATION INSTALLATIONS. IF ELEVATION SHOWN ON DRAWING DOES NOT MATCH THE EXISTING FOUNDATION'S TOC, CONTRACTOR SHALL REDLINE ELEVATION AND MATCH THE SURROUNDING FOUNDATION'S TOC ELEVATIONS.



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JEA\ARCH\13 214\308 DN2018-FP.dwg 2026-2-27 14:36



225 NORTH PEARL STREET
JACKSONVILLE, FLORIDA 32202

ISSUED FOR QUOTE

CONSULTANT INFORMATION



495 N KELLER ROAD, SUITE 300
MAITLAND, FL 32751
WWW.BURNSMCD.COM

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER
THE RESPONSIBLE SUPERVISION OF

PE: Brendan T. Murphy

LIC. NO.: 98687

STATE: FL

DATE: _____

| REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING |
|-----|----------|---------|--|-----|--------|---------------|
| 1 | 02/25/19 | 8003353 | REVISED LOW SIDE BREAKER FOUNDATION CONDUIT WINDOW TO MATCH DETAIL DRAWING. | JPF | JPF | DATE 10/19/18 |
| 2 | 03/04/19 | 8003353 | REVISED LOW SIDE BREAKER FOUNDATIONS. | JPF | JPF | BY JPF |
| 3 | 07/12/19 | 8003353 | MOVED LIGHT POLE. | JPF | JPF | REVIEW TRG |
| 4 | 04/15/20 | 8003353 | RECORD DRAWING - REVISED LOCATION OF WELL PUMP. | JJO | TRG | DRAFTING |
| 5A | 12/11/25 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 80% REVIEW | JB | BTM | DATE 10/19/18 |
| 5B | 02/06/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | BY JLC |
| 5C | 02/27/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | - | - | REVIEW JPF |

DINSMORE SUBSTATION INSTALLATION

FOUNDATION PLAN

DINSMORE SUBSTATION

SUBSTATION & TRANSMISSION ENGINEERING

SCALE: AS SHOWN

DRAWING NAME:

DN2018-FP.dgn

DRAWING SET:

DN2018

DRAWING #:

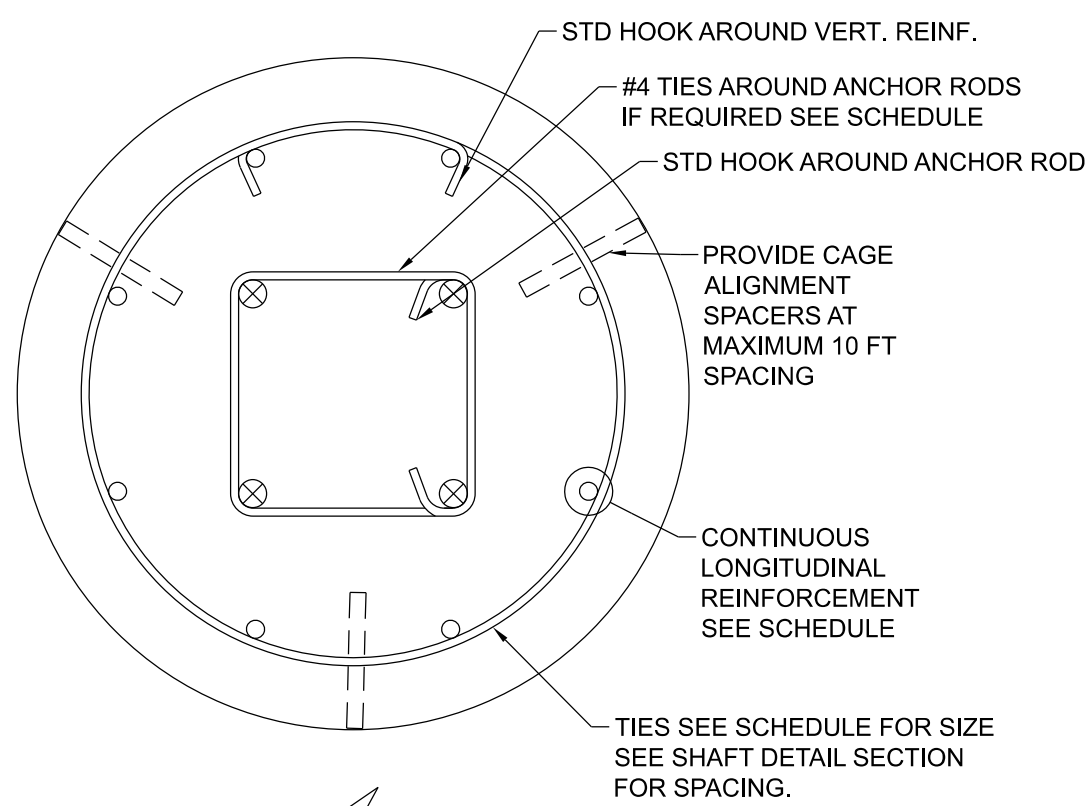
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SHEET #:

2 OF 2

PROJ #:

8009403



- * SEE DETAIL SECTION FOR DECREASED TIE SPACING REQUIRED AT TOP OF SHAFT
- ** SHAFT LENGTH MEASURED FROM T/O CONC. ELEV. TO BOT. OF SHAFT. IF DIFFERENTIAL FROM T/O CONC. TO ROCK EXCEEDS 2", SHAFT LENGTH MUST BE INCREASED PROPORTIONALLY.

ANCHOR ROD ASSEMBLY NOTES & SPECIFICATIONS:

1. HEAVY HEX ANCHOR ROD END ASSEMBLY TYPE "A" MUST HAVE HEAD THAT IS INTEGRALLY FORGED FROM ROD SHAFT.
2. BASEPLATES ARE NOT TO BE GROUTED.
3. ALL ANCHOR RODS (TO THE EXTENTS REQUIRED IN THE PROJECT SPECIFICATIONS & FASTENERS) SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM F2329.
4. NUT AND WASHER GRADES SHALL BE MATCHED TO ROD GRADE PER INDUSTRY STANDARD RECOMMENDATIONS.

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225 NORTH PEARL STREET
JACKSONVILLE, FLORIDA 32202

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| REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING |
|-----|----------|---------|--|-----|--------|---------------|
| 1 | 02/21/20 | 8009403 | RECORD DRAWING - REVISED CONDUIT ROUTE/TEXT. | JJO | TRG | DATE 10/19/18 |
| 2A | 12/11/25 | 8009403 | ADDED METERING CT/PT STRUCTURE ON 27KV SOLAR INTERCONNECT FEEDERS. CORRECTED GRAPHIC SCALE - ISSUED FOR 60% REVIEW | JB | BTM | BY JPF |
| 2B | 02/06/26 | 8009403 | ADDED METERING CT/PT STRUCTURE ON 27KV SOLAR INTERCONNECT FEEDERS. CORRECTED GRAPHIC SCALE - ISSUED FOR 90% REVIEW | JB | BTM | REVIEW TRG |
| 2C | 02/27/26 | 8009403 | ADDED METERING CT/PT STRUCTURE ON 27KV SOLAR INTERCONNECT FEEDERS. CORRECTED GRAPHIC SCALE - ISSUED FOR QUOTE | JB | BTM | DRAFTING |
| - | - | - | - | - | - | DATE 10/19/18 |
| - | - | - | - | - | - | BY JLC |
| - | - | - | - | - | - | REVIEW JPF |

DINSMORE SUBSTATION INSTALLATION

CONDUIT PLAN

DINSMORE SUBSTATION

SUBSTATION & TRANSMISSION ENGINEERING

PROJ # 8009403

DRAWING NAME:

DN2018-CP.dgn

DRAWING SET:

DN2018

DRAWING #:

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SHEET #:

3 OF 6

CONSTRUCTION NOTE:

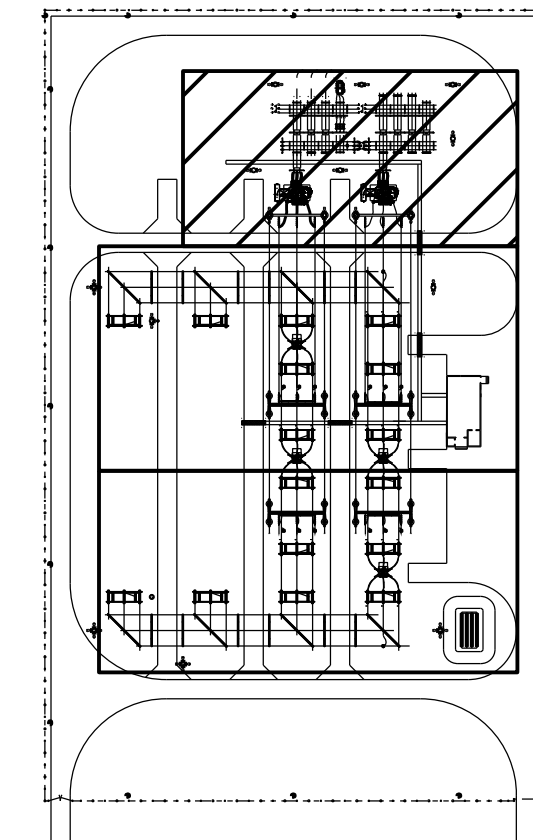
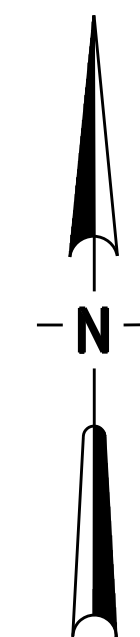
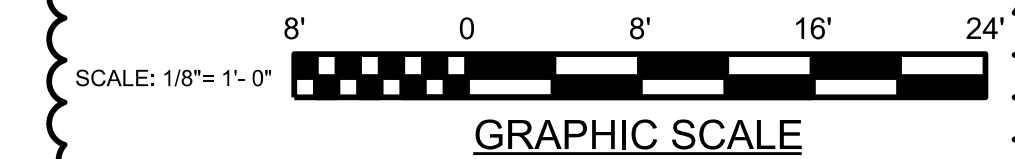
- CONTRACTOR SHALL USE EXTREME CAUTION WHILE TRENCHING NEAR EXISTING CONDUIT.
- CONTRACTOR SHALL HAND DIG PRIOR TO TRENCHING TO ENSURE NO OBSTRUCTIONS.

LEGEND:

----- CONDUIT RUN, SEE NOTE 1

- 240 VOLT GAS CART/VACUUM PUMP RECEPTACLE, 60A, THREE PHASE, 4-WIRE, RUSSELLSTOLL TYPE SCA, CATALOG NO. 3324-78
- 240 VOLT TRUCK RECEPTACLE, 60A, SINGLE PHASE, 3-WIRE RUSSELLSTOLL TYPE SCA, CATALOG NO. 3323-78.
- 120 VOLT DUPLEX RECEPTACLE, 20A, DUPLEX, GROUNDING TYPE WITH WEATHERPROOF COVER.

9FJB2 AC YARD/PT/BUS DIFF. PANELS

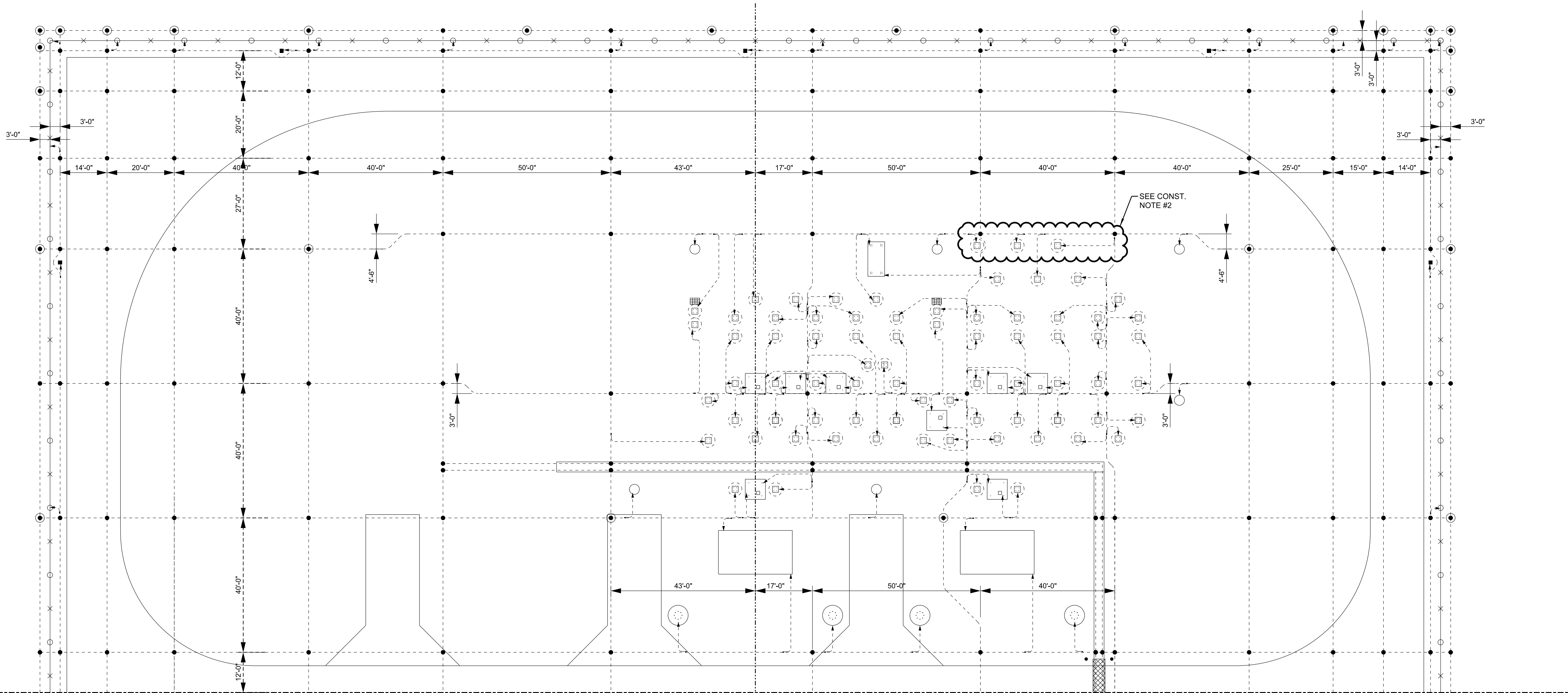


KEY PLAN

SHEET 3

SHEET 2

SHEET 1



LEGEND

- GROUND CONDUCTOR - 19#8 COPPERWELD FOR MAIN GRID, 7#5 COPPERWELD FOR STRUCTURE, GROUND ROD, EQUIPMENT, CABLE TRENCH, CABLE TRAY AND TRANSFORMER TANK GROUNDING. 500 KCMIL COPPER CONDUCTOR FOR NEUTRAL BUSHING OF POWER TRANSFORMERS. CONTRACTOR FURNISHED AND INSTALLED.
- GROUND CONNECTION - CADWELD PLUS EXOTHERMIC MOLD CONNECTION, SIZED AND CONFIGURED AS REQUIRED. CONTRACTOR FURNISHED AND INSTALLED.
- SWITCH OPERATOR GROUND PLATFORM - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
- GROUND ROD - COPPERWELD RODS 5/8" DIAMETER, 8' IN LENGTH, COUPLED AND DRIVEN TO A DEPTH OF FORTY-EIGHT (48) FEET. CONTRACTOR FURNISHED AND INSTALLED.
- CHAIN LINK SECURITY FENCE. CONTRACTOR FURNISHED AND INSTALLED.
- 4" CAST IRON PIPE CEMENT-FILLED BOLLARD. CONTRACTOR SHALL CONNECT TO STATION GRID (NOT SHOWN) PER THE GROUNDING DETAILS DRAWINGS OF THIS SET. CONTRACTOR FURNISHED AND INSTALLED.
- BOLTED GROUNDING CONNECTOR TO TRANSFORMER TANK AND NEUTRAL GROUNDS.

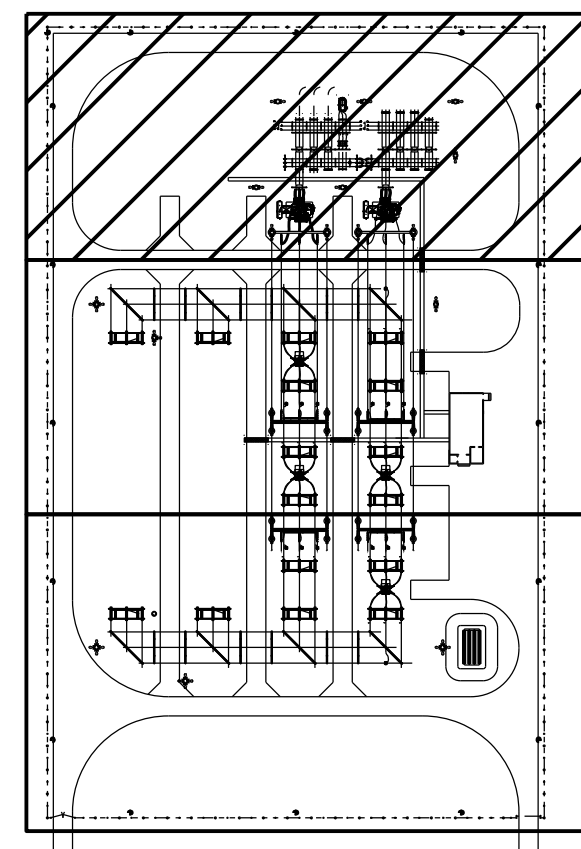
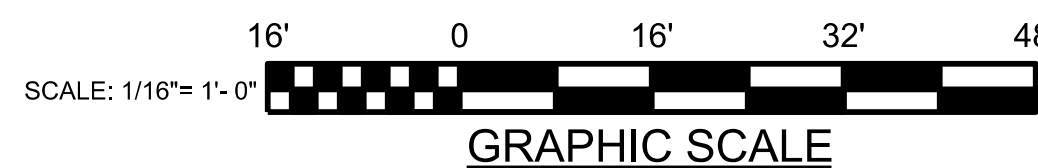
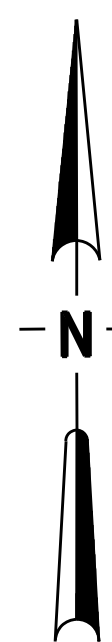
GROUNDING NOTES

- SEE GROUNDING PLAN SHEET 1 FOR NOTES AND DESIGN DETAILS

CONSTRUCTION NOTES

- EXISTING GROUND GRID CAN BE RELOCATED IF IT INTERFERES WITH NEW FOUNDATION INSTALLATION. CONTRACTOR SHALL PROVIDE MATERIALS FOR GRID CONDUCTOR AND CONNECTIONS IF CONDUCTOR SPLICING IS REQUIRED.
- SEE GROUNDING DETAILS SHEET 1 DETAIL 8 FOR DESIGN DETAILS.

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KEY PLAN



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|-----|----------|---------|--|-----|--------|---------------|
| 1 | 02/21/20 | 8003353 | RECORD DRAWING - ADDED SECOND GROUND TO TRENCH. | JJO | TRG | DATE 10/19/18 |
| 2A | 12/11/25 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 80% REVIEW | JB | BTM | BY JPF |
| 2B | 02/06/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | REVIEW TRG |
| 2C | 02/27/26 | 8009403 | METERING CT/PT STRUCTURE INSTALLATION ON 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | DRAFTING |
| - | - | - | - | - | - | DATE 10/19/18 |
| - | - | - | - | - | - | BY JLC |
| - | - | - | - | - | - | REVIEW JPF |

DINSMORE SUBSTATION INSTALLATION

GROUNDING PLAN

DINSMORE SUBSTATION
SUBSTATION & TRANSMISSION ENGINEERING

SCALE: AS SHOWN

PROJ # 8009403

DRAWING NAME:

DN2018-GP.dgn

DRAWING SET:

DN2018

DRAWING #:

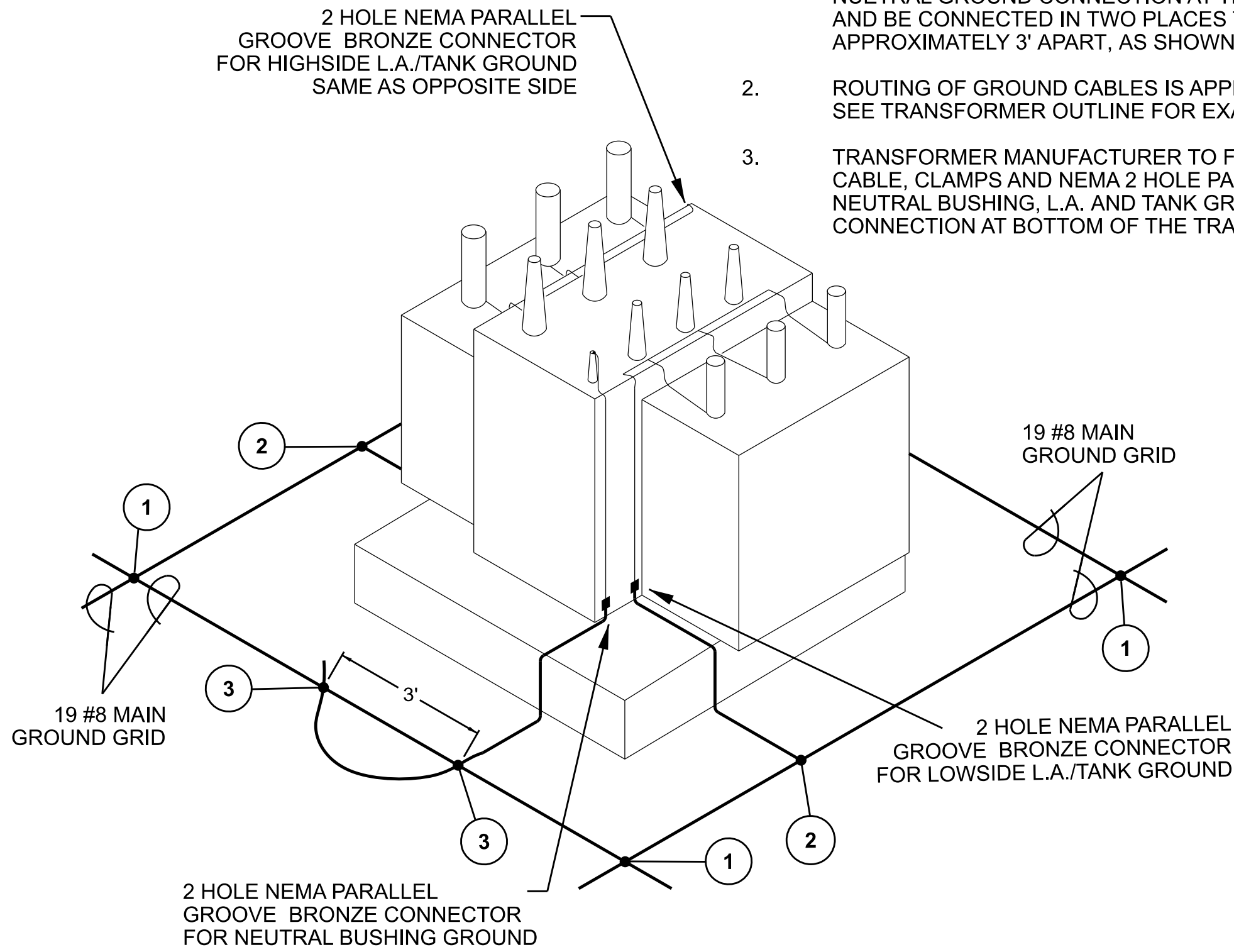
97 OF 116

SHEET #:

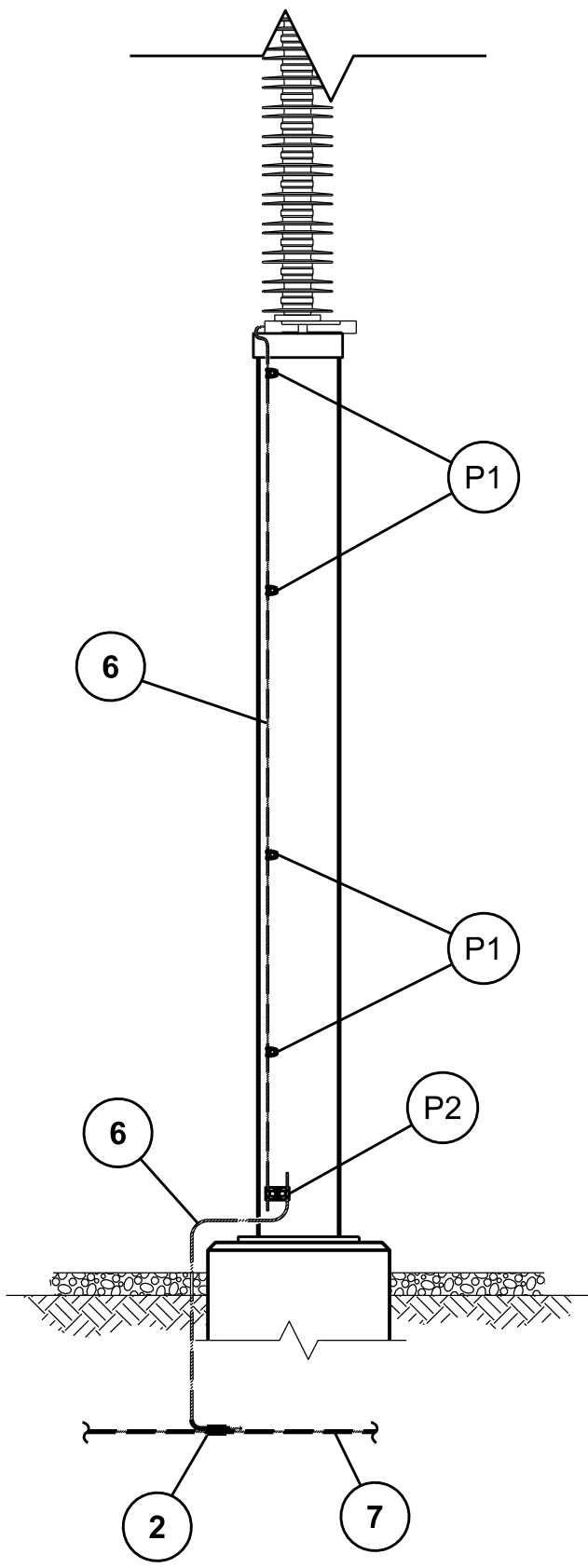
3 OF 3

TRANSFORMER NOTES:

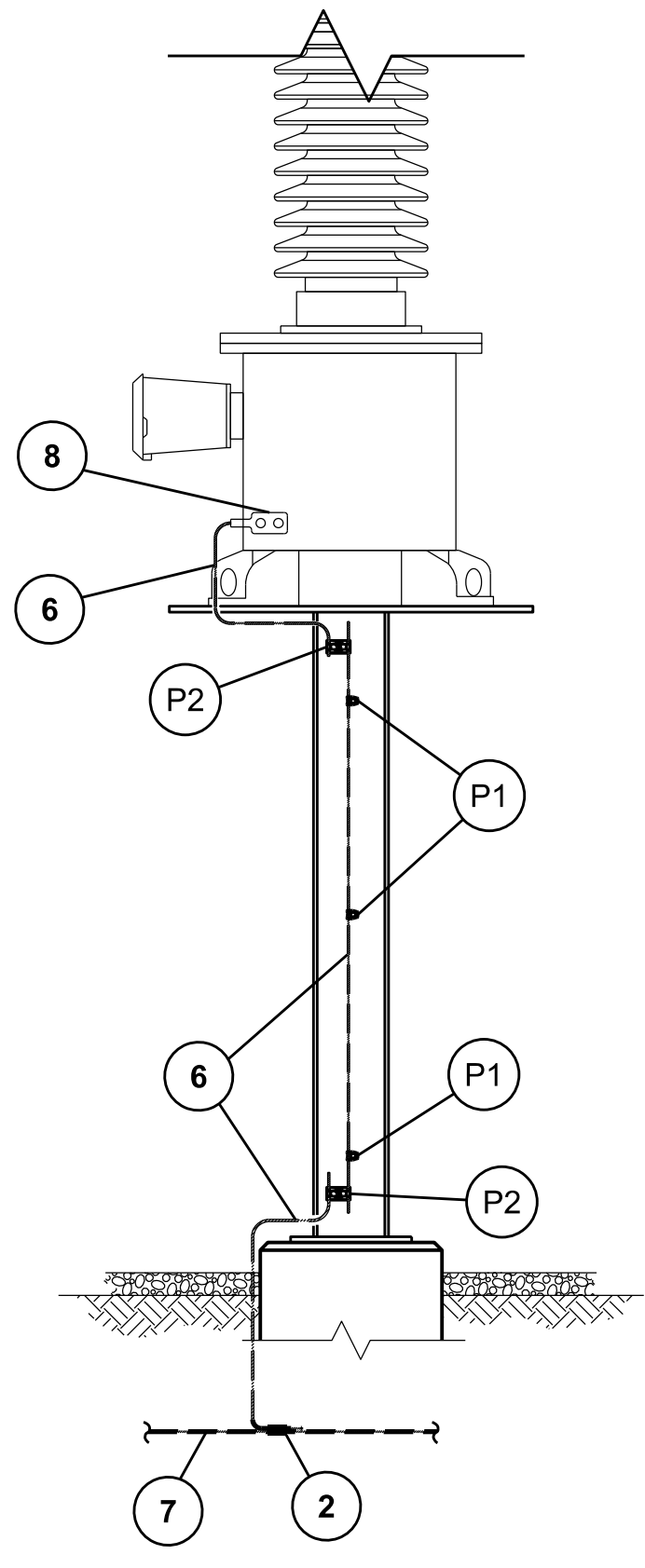
- GROUND CABLE SHALL BE CONTINUOUS FROM NUETRAL GROUND CONNECTION AT TRANSFORMER AND BE CONNECTED IN TWO PLACES TO MAIN GRID APPROXIMATELY 3' APART, AS SHOWN.
- ROUTING OF GROUND CABLES IS APPROXIMATE. SEE TRANSFORMER OUTLINE FOR EXACT REQUIREMENTS.
- TRANSFORMER MANUFACTURER TO FURNISH AND INSTALL CABLE, CLAMPS AND NEMA 2 HOLE PADS TO SUPPLY NEUTRAL BUSHING, L.A. AND TANK GROUND FOR FIELD CONNECTION AT BOTTOM OF THE TRANSFORMER.



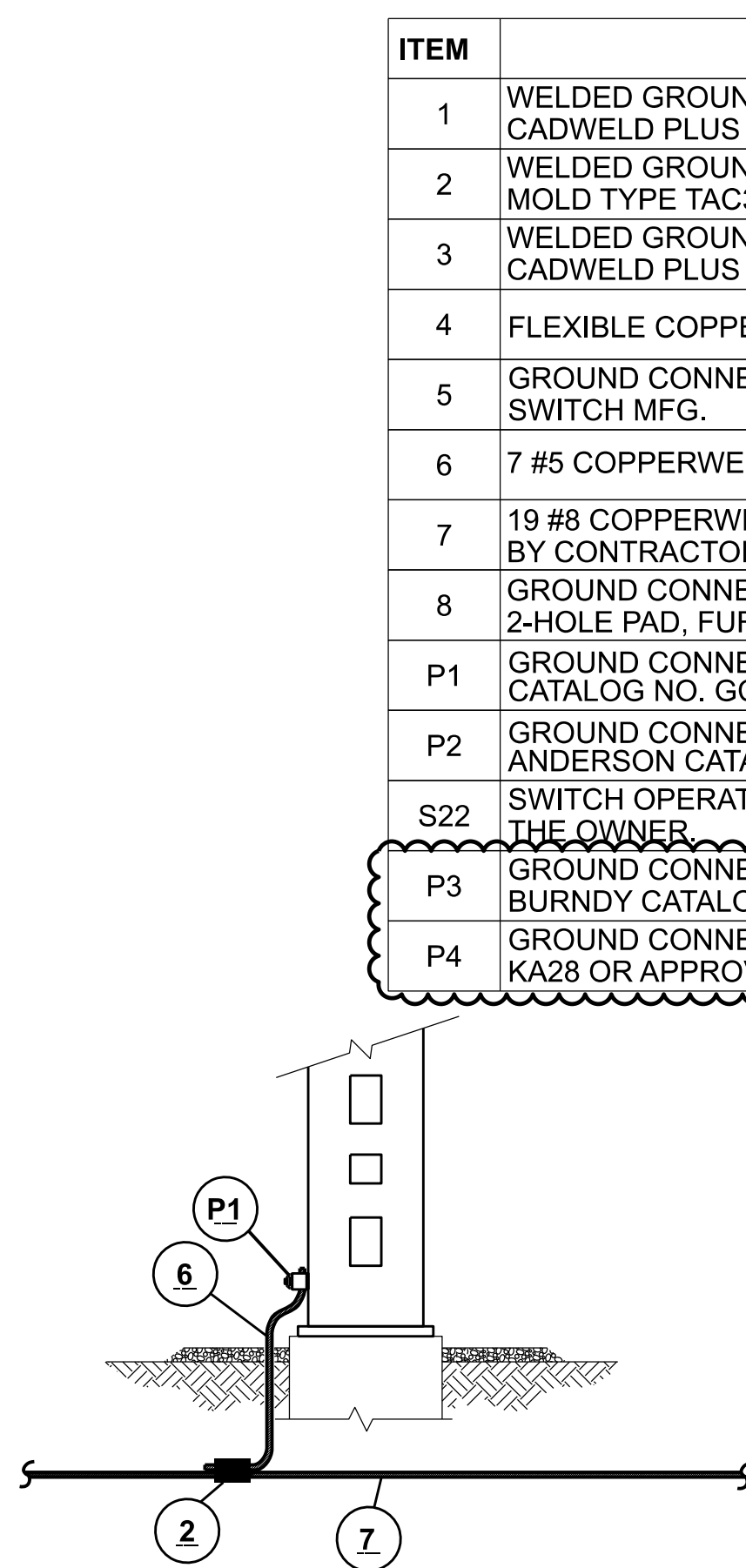
DETAIL
POWER TRANSFORMER



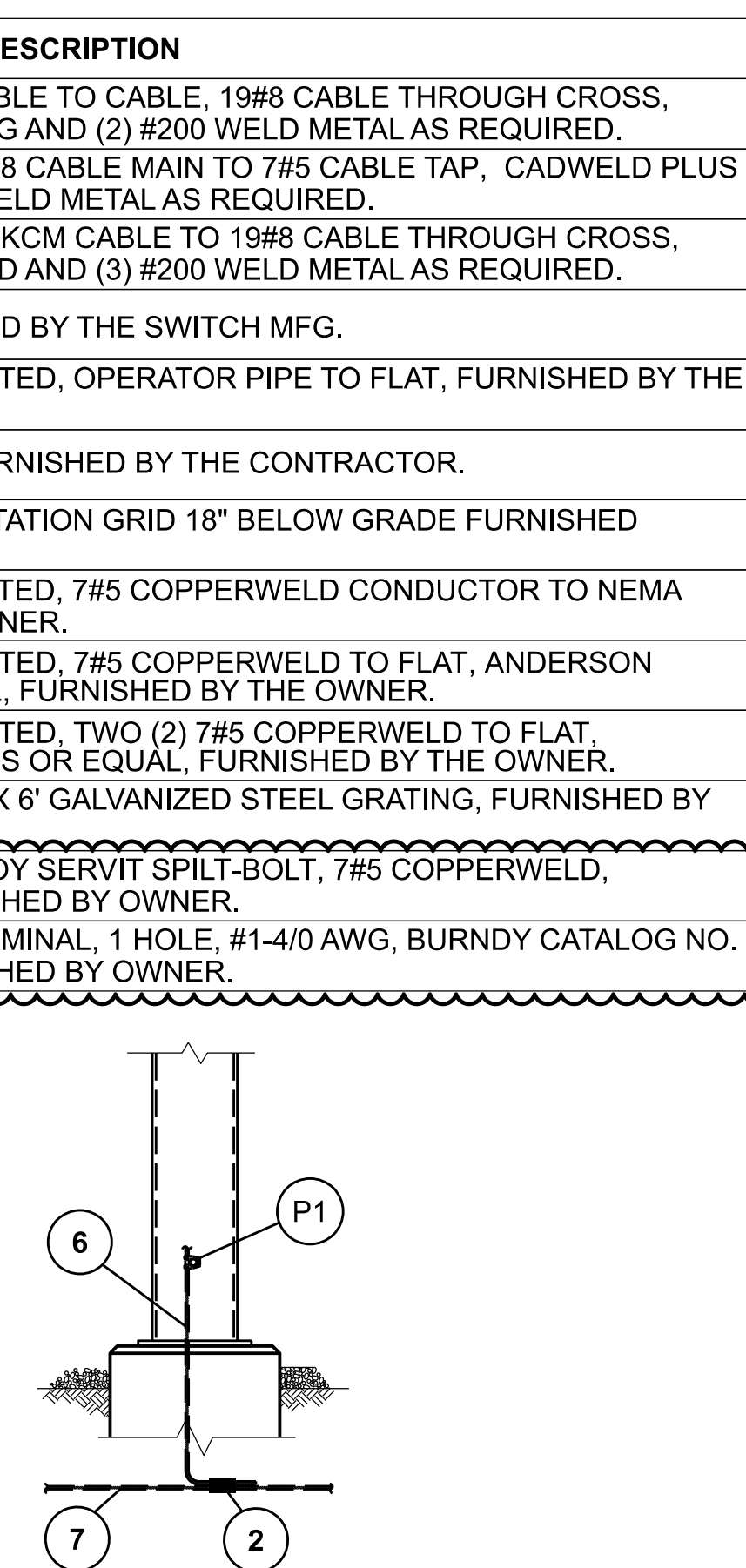
DETAIL
LIGHTNING ARRESTER



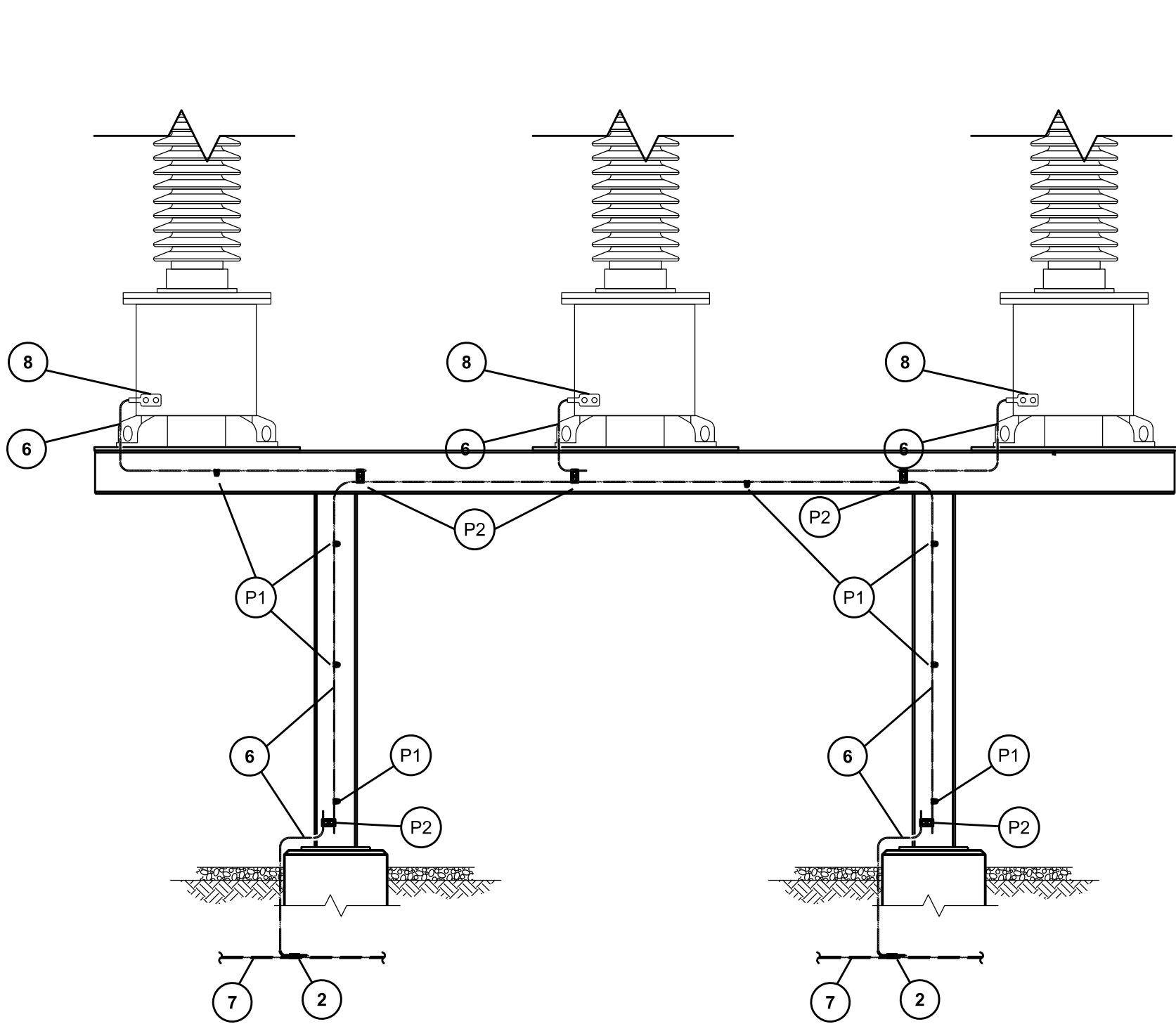
DETAIL
POTENTIAL TRANSFORMER



DETAIL
PROBE LIGHT/80' YARD POLE GROUNDING



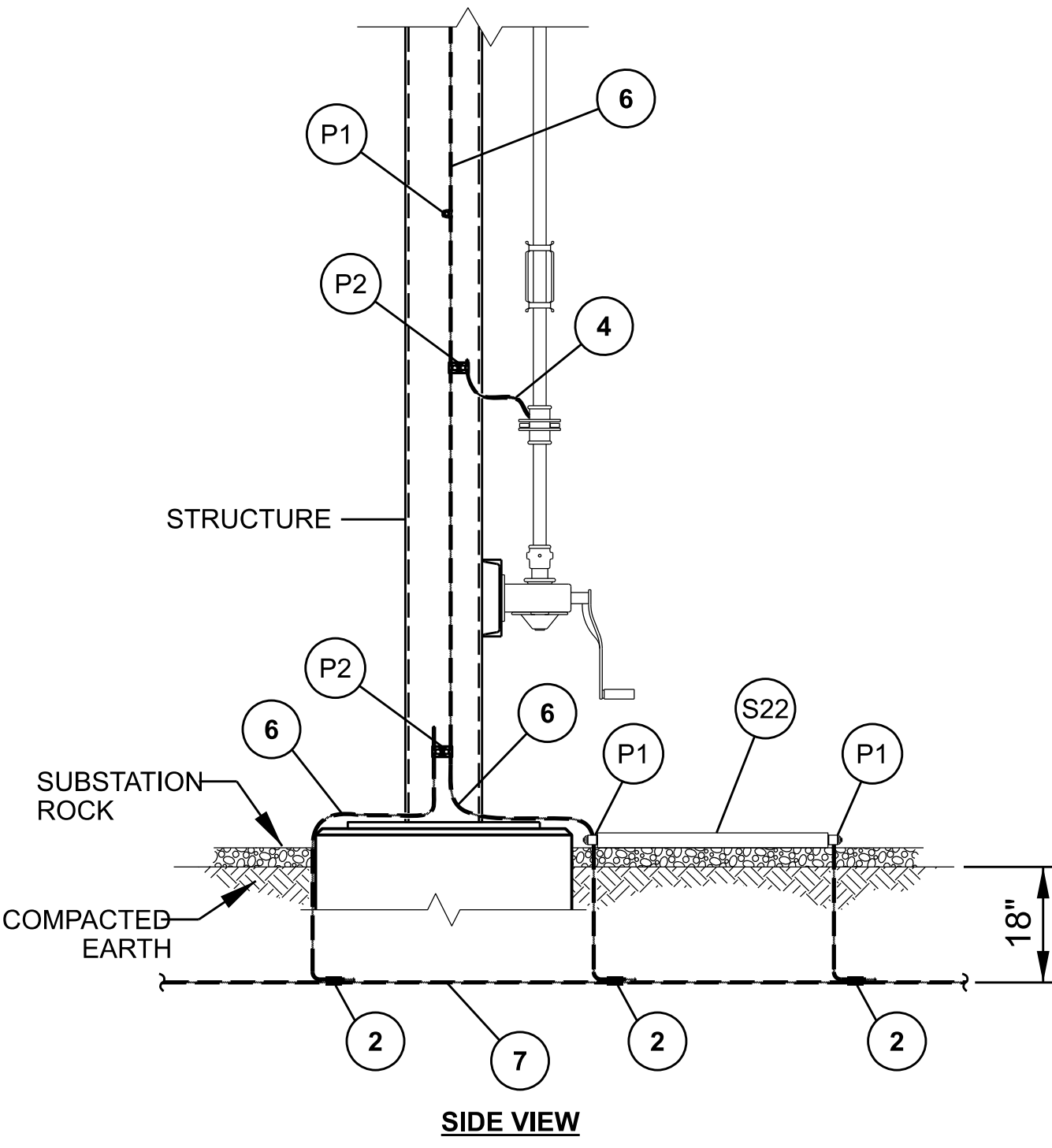
DETAIL
TYPICAL STRUCTURE GROUNDING



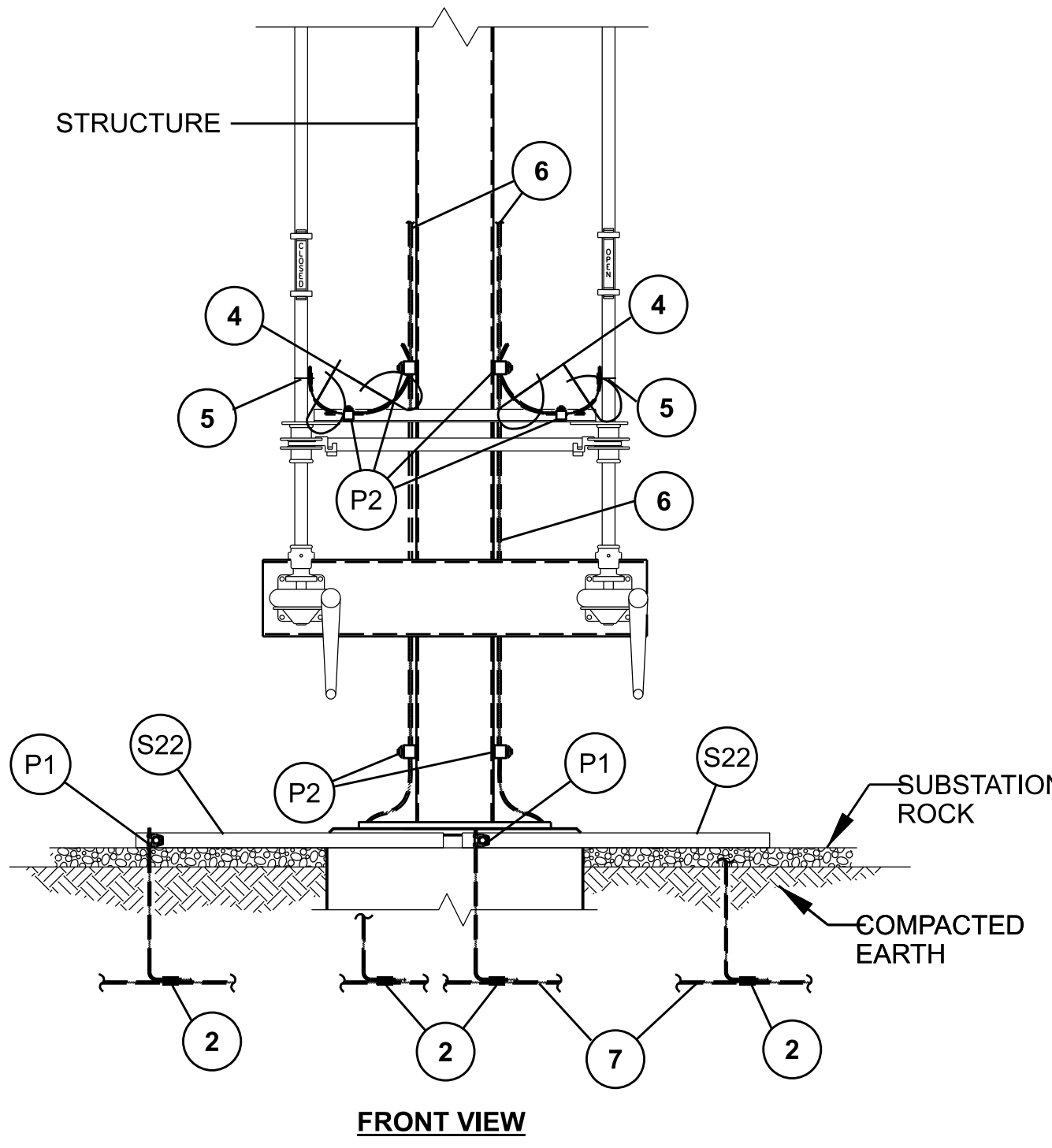
DETAIL
TYPICAL 3Ø EQUIPMENT AND STRUCTURE GROUNDING

SWITCH NOTES:

- THE CONTRACTOR SHALL GROUND THE SWITCH OPERATOR PIPE DIRECTLY TO THE SWITCH OPERATOR'S PLATFORM AS SHOWN ON THIS DETAIL. THE SWITCH OPERATOR'S PLATFORM SHALL THEN BE CONNECTED TO THE STATION GROUND GRID.
- THE CONTRACTOR SHALL CONNECT EACH COLUMN OF THE SWITCH STRUCTURE TO THE STATION GROUND GRID. THE COLUMNS SHALL NOT BE CONNECTED TO THE SAME GRID CONDUCTOR, WHERE POSSIBLE.
- FOR SWITCHES WITH GROUND BLADE, CONTRACTOR SHALL INSTALL GROUND WIRE UP COLUMN AND CONNECT TO GROUND PAD OF THE GROUND SWITCH AS REQUIRED.



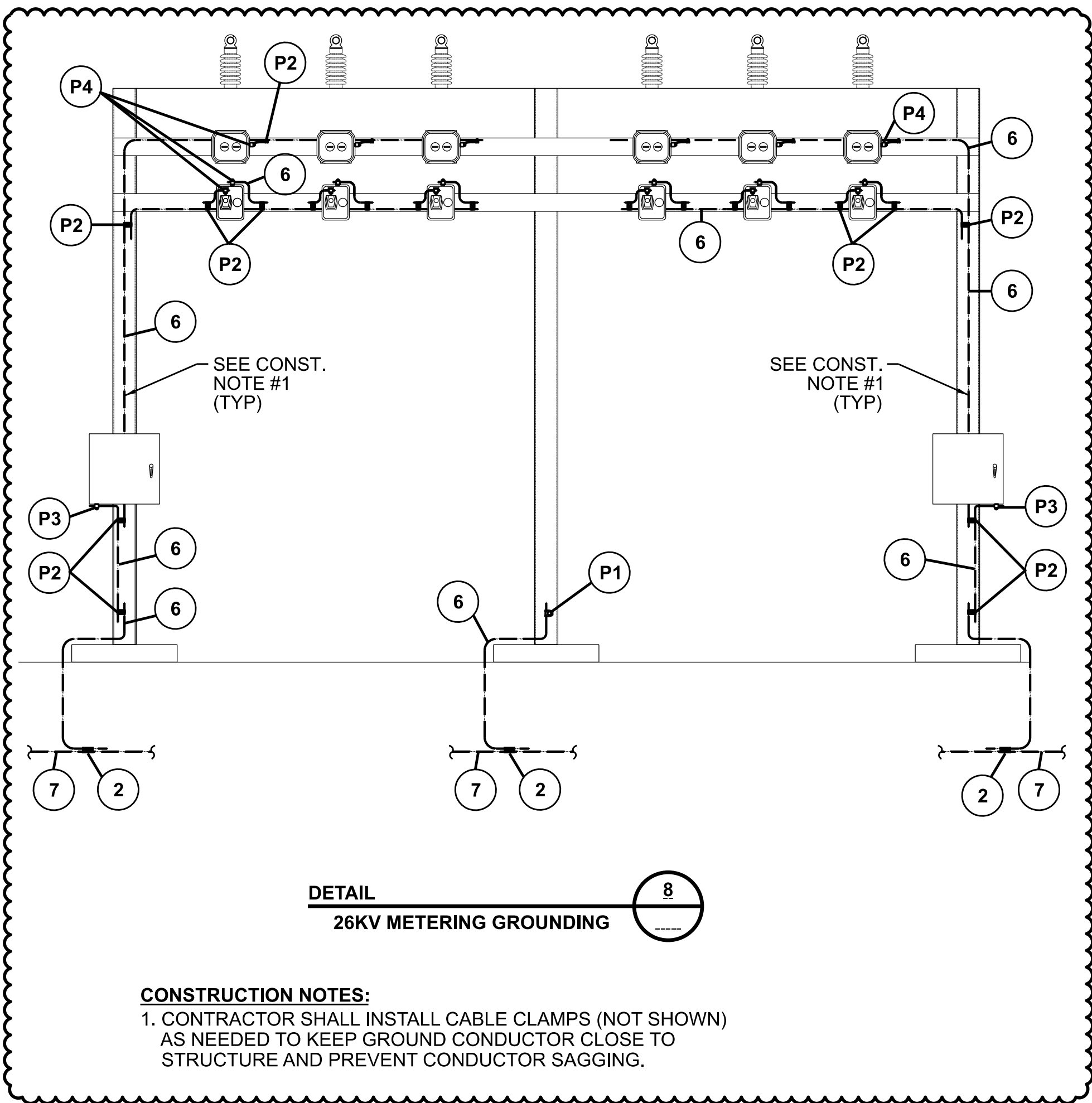
SIDE VIEW



FRONT VIEW

DETAIL
TYPICAL SWITCH GROUNDING & OPERATOR'S PLATFORM

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DETAIL
26KV METERING GROUNDING

CONSTRUCTION NOTES:
1. CONTRACTOR SHALL INSTALL CABLE CLAMPS (NOT SHOWN) AS NEEDED TO KEEP GROUND CONDUCTOR CLOSE TO STRUCTURE AND PREVENT CONDUCTOR SAGGING.



1. CONTRACTOR SHALL INSTALL CONDUIT CLAMPS AS NEEDED TO KEEP FLEX CONDUIT CLOSE TO STRUCTURE AND PREVENT SAGGING.

NOT FOR CONSTRUCTION

DINSMORE SUBSTATION
CONDUIT SCHEDULE

DN2018-CS

| CONDUIT # | FROM | TO | SIZE (IN) | TYPE | LENGTH (FT) | CABLE IN CONDUIT | REMARKS | REV |
|---------------------|--------------|-----------|-----------|------|-------------|---------------------------------|--|-----|
| BREAKER 25T1 | | | | | | | | |
| 25T1C1 | CABLE TRENCH | BKR. 25T1 | 3" | PVC | 15 | 25T1/C1 | | |
| 25T1C2 | CABLE TRENCH | BKR. 25T1 | 2" | PVC | 15 | 25T1/C2 | | |
| 25T1C3 | CABLE TRENCH | BKR. 25T1 | 2" | PVC | 15 | 25T1/BD, 25T1/TD | | |
| 25T1C4 | CABLE TRENCH | BKR. 25T1 | 1-1/2" | PVC | 15 | 25T1/AC | | |
| 25T1C5 | CABLE TRENCH | BKR. 25T1 | 2" | PVC | 15 | 25T1/C3 | | 5 |
| 423 METERING | | | | | | | | |
| 423METC1 | CABLE TRENCH | 423METJB | 2" | PVC | 70 | 423MT/PT | | 5 |
| 423METC2 | CABLE TRENCH | 423METJB | 2" | PVC | 70 | 423MT/CT | | 5 |
| 423METC3 | CABLE TRENCH | 423METJB | 2" | PVC | 70 | 423MT/AC, 424MT/AC | | 5 |
| 423METC4 | 423METJB | A-PH CT | 1" | LFMC | 15 | 423MT/CTA, 423MT/CTB, 423MT/CTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 423METC5 | A-PH CT | B-PH CT | 1" | LFMC | 5 | 423MT/CTB, 423MT/CTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 423METC6 | B-PH CT | C-PH CT | 1" | LFMC | 5 | 423MT/CTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 423METC7 | 423METJB | A-PH PT | 1" | LFMC | 15 | 423MT/PTA, 423MT/PTB, 423MT/PTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 423METC8 | A-PH PT | B-PH PT | 1" | LFMC | 5 | 423MT/PTB, 423MT/PTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 423METC9 | B-PH PT | C-PH PT | 1" | LFMC | 5 | 423MT/PTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 424 METERING | | | | | | | | |
| 424METC1 | CABLE TRENCH | 424METJB | 2" | PVC | 70 | 424MT/PT | | 5 |
| 424METC2 | CABLE TRENCH | 424METJB | 2" | PVC | 70 | 424MT/CT | | 5 |
| 424METC3 | CABLE TRENCH | 424METJB | 2" | PVC | 70 | 424MT/AC | | 5 |
| 424METC4 | 424METJB | C-PH CT | 1" | LFMC | 15 | 424MT/CTA, 424MT/CTB, 424MT/CTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 424METC5 | C-PH CT | B-PH CT | 1" | LFMC | 5 | 424MT/CTA, 424MT/CTB | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 424METC6 | B-PH CT | A-PH CT | 1" | LFMC | 5 | 424MT/CTA | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 424METC7 | 424METJB | C-PH PT | 1" | LFMC | 15 | 424MT/PTA, 424MT/PTB, 424MT/PTC | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 424METC8 | C-PH PT | B-PH PT | 1" | LFMC | 5 | 424MT/PTA, 424MT/PTB | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |
| 424METC9 | B-PH PT | A-PH PT | 1" | LFMC | 5 | 424MT/PTA | ABOVE GRADE CONDUIT. NOT SHOWN ON CONDUIT PLAN | 5 |

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**PROJECT DESIGN SEGMENT 20413
DINSMORE SUBSTATION
CABLE SCHEDULE**

CABLE NOTES:

1. TYPE B, BS, F, AND FO CABLE SHALL BE FURNISHED BY THE OWNER, UNLESS OTHERWISE SPECIFIED.
2. THE CONTRACTOR SHALL FURNISH ALL OTHER CABLE, AS SPECIFIED.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CABLE LENGTHS. CABLE LENGTHS LISTED ARE APPROXIMATE.
4. CABLES SHOWN IN **RED** ON THIS SCHEDULE WILL BE INSTALLED BY SUBSTATION CONTRACTOR.
5. CABLES SHOWN IN **MAGENTA HIGHLIGHTING** ON THIS SCHEDULE WILL BE INSTALLED BY JEA TELECOM.
6. CABLES SHOWN IN **GREEN** WILL BE PROVIDED AND INSTALLED BY KEMCO.

CABLE LEGEND:

- A - THHN INSULATED COPPER CONDUCTOR, RATED 600V
- B - NON SHIELDED CONTROL CABLE
- BS - SHIELDED CONTROL CABLE
- C - RHW, THHW, OR THWN INSULATED COPPER CONDUCTOR, RATED 600V
- F - INSTRUMENT CABLE
- FO - FIBER OPTIC CABLE
- S - SINGLE CONDUCTOR
- M - MULTIPLE CONDUCTOR
- W- FLEXIBLE WELDING CABLE

FILE: DN2018-CABLESCH_REV6

DATE: 02/27/2026
PAGE: 1 OF 26

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**CABLE SCHEDULE
DINSMORE SUBSTATION**

PAGE.: 2 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNTH ckt ft | CONDUIT # | REMARKS |
|------------------|--|---------------------|------|------|----|-----|------|----------------|------------------------------|-------------------------------|
| BKR 937S | | | | | | | | | | |
| 937S/C1 | BKR 937S | 230KV PNL 3 | 600 | 10 | 21 | M | BS | 230 | 937SC1, CT1, TRAY | BKR 937S CONTROL |
| 937S/C2 | BKR 937S | 230KV PNL 3 | 600 | 10 | 21 | M | BS | 230 | 937SC2, CT1, TRAY | BKR 937S CONTROL |
| 937S/937PR | BKR 937S | 230KV PNL 2 | 600 | 10 | 4 | M | BS | 230 | 937SC3, CT1, TRAY | 937 PRIMARY PROTECTION |
| 937S/937SC | BKR 937S | 230KV PNL 3 | 600 | 10 | 4 | M | BS | 230 | 937SC3, CT1, TRAY | 937 SECONDARY PROTECTION |
| 937S/955PR | BKR 937S | 230KV PNL 4 | 600 | 10 | 4 | M | BS | 230 | 937SC4, CT1, TRAY | 955 PRIMARY PROTECTION |
| 937S/955SC | BKR 937S | 230KV PNL 4 | 600 | 10 | 4 | M | BS | 230 | 937SC4, CT1, TRAY | 955 SECONDARY PROTECTION |
| 937S/AC | BKR 937S | AC YARD PNL 9YP1-1P | 600 | 8 | 3 | M | C | 300 | 937SC5, CT1, 9YP1C1 | 240VAC POWER |
| BKR 937T1 | | | | | | | | | | |
| 937T1/C1 | BKR 937T1 | 230KV PNL 3 | 600 | 10 | 21 | M | BS | 135 | 937T1C1, CT1, TRAY | BKR 937T1 CONTROL |
| 937T1/C2 | BKR 937T1 | 230KV PNL 3 | 600 | 10 | 21 | M | BS | 135 | 937T1C2, CT1, TRAY | BKR 937T1 CONTROL |
| 937T1/937PR | BKR 937T1 | 230KV PNL 2 | 600 | 10 | 4 | M | BS | 140 | 937T1C3, CT1, TRAY | 937 PRIMARY PROTECTION |
| 937T1/937SC | BKR 937T1 | 230KV PNL 3 | 600 | 10 | 4 | M | BS | 135 | 937T1C3, CT1, TRAY | 937 SECONDARY PROTECTION |
| 937T1/9T1PR | BKR 937T1 | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 150 | 937T1C4, CT1, TRAY | 9T1 PRIMARY PROTECTION |
| 937T1/9T1SC | BKR 937T1 | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 150 | 937T1C4, CT1, TRAY | 9T1 SECONDARY PROTECTION |
| 937T1/AC | BKR 937T1 | AC YARD PNL 9YP1-1P | 600 | 8 | 3 | M | C | 180 | 937T1C5, CT1, CT2, 9YP1C1 | 240VAC POWER |
| BKR 955T2 | | | | | | | | | | |
| 955T2/C1 | BKR 955T2 | 230KV PNL 5 | 600 | 10 | 21 | M | BS | 205 | 955T2C1, CT1, TRAY | BKR 955T2 CONTROL |
| 955T2/C2 | BKR 955T2 | 230KV PNL 5 | 600 | 10 | 21 | M | BS | 205 | 955T2C2, CT1, TRAY | BKR 955T2 CONTROL |
| 955T2/955PR | BKR 955T2 | 230KV PNL 4 | 600 | 10 | 4 | M | BS | 210 | 955T2C4, CT1, TRAY | 955 PRIMARY PROTECTION |
| 955T2/955SC | BKR 955T2 | 230KV PNL 5 | 600 | 10 | 4 | M | BS | 205 | 955T2C4, CT1, TRAY | 955 SECONDARY PROTECTION |
| 955T2/9T2PR | BKR 955T2 | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 220 | 955T2C3, CT1, TRAY | T2 PRIMARY PROTECTION |
| 955T2/9T2SC | BKR 955T2 | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 220 | 955T2C3, CT1, TRAY | T2 SECONDARY PROTECTION |
| 955T2/AC | BKR 955T2 | AC YARD PNL 9YP1-1P | 600 | 8 | 3 | M | C | 115 | 955T2C5, CT1, CT2, 9YP1C1 | 240VAC POWER |
| BKR 9T2N | | | | | | | | | | |
| 9T2N/C1 | BKR 9T2N | 230KV PNL 5 | 600 | 10 | 21 | M | BS | 250 | 9T2NC1, CT1, TRAY | BKR 9T2N CONTROL |
| 9T2N/C2 | BKR 9T2N | 230KV PNL 5 | 600 | 10 | 21 | M | BS | 250 | 9T2NC2, CT1, TRAY | BKR 9T2N CONTROL |
| 9T2N/9T2PR | BKR 9T2N | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 265 | 9T2NC4, CT1, TRAY | 9T2 PRIMARY LINE PROTECTION |
| 9T2N/9T2SC | BKR 9T2N | 230KV PNL 5 | 600 | 10 | 4 | M | BS | 250 | 9T2NC4, CT1, TRAY | 9T2 SECONDARY LINE PROTECTION |
| 9T2N/9T1PR | BKR 9T2N | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 275 | 9T2NC3, CT1, TRAY | 9T1 PRIMARY PROTECTION |
| 9T2N/9T1SC | BKR 9T2N | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 275 | 9T2NC3, CT1, TRAY | 9T1 SECONDARY PROTECTION |
| 9T2N/AC | BKR 9T2N | AC YARD PNL 9YP1-1P | 600 | 8 | 3 | M | C | 155 | 9T2NC5, CT1, CT2, 9YP1C1 | 240VAC POWER |
| 9T2PT | | | | | | | | | | |
| 9T2PT/JB | 230KV T2 PT FUSE JUNCTION BOX 9T2PTJB | 230KV PNL 19 | 600 | 10 | 8 | M | BS | 215 | 9T2PTC1, CT1, TRAY | 230KV T2 PT'S TO PNL 19 |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNTH ckt ft | CONDUIT # | REMARKS |
|--------------|--|--|------|------|----|-----|------|----------------|------------------------------|-------------------------|
| 9T2PT/PHA | 230KV T2 PHASE "A" PT | 230KV T2 PT FUSE JUNCTION BOX 9T2PTJB | 600 | 10 | 8 | M | BS | 30 | 9T2PTC2 | 230KV T2 PT – PHASE "A" |
| 9T2PT/ PHB | 230KV T2 PHASE "B" PT | 230KV T2 PT FUSE JUNCTION BOX 9T2PTJB | 600 | 10 | 8 | M | BS | 15 | 9T2PTC3 | 230KV T2 PT – PHASE "B" |
| 9T2PT/ PHC | 230KV T2 PHASE "C" PT | 230KV T2 PT FUSE JUNCTION BOX 9T2PTJB | 600 | 10 | 8 | M | BS | 30 | 9T2PTC4 | 230KV T2 PT – PHASE "C" |
| 9T2PT/AC | 230KV T2 PT FUSE JUNCTION BOX 9T2PTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 115 | 9T2PTC5, CT1, CT2, 9YP1C2 | 120VAC POWER FOR HEATER |
| 937PT | | | | | | | | | | |
| 937PT/JB | 230KV LINE 937 PT FUSE JUNCTION BOX 937PTJB | 230KV PNL 2 | 600 | 10 | 8 | M | BS | 215 | 937PTC1, CT1, TRAY | LINE 937 PT'S TO PNL 2 |
| 937PT/ PHA | LINE 937 PHASE "A" PT | 230KV LINE 937 PT FUSE JUNCTION BOX 937PTJB | 600 | 10 | 8 | M | BS | 30 | 937PTC2 | LINE 937 PT – PHASE "A" |
| 937PT/ PHB | LINE 937 PHASE "B" PT | 230KV LINE 937 PT FUSE JUNCTION BOX 937PTJB | 600 | 10 | 8 | M | BS | 15 | 937PTC3 | LINE 937 PT – PHASE "B" |
| 937PT/ PHC | LINE 937 PHASE "C" PT | 230KV LINE 937 PT FUSE JUNCTION BOX 937PTJB | 600 | 10 | 8 | M | BS | 30 | 937PTC4 | LINE 937 PT – PHASE "C" |
| 937PT/AC | 230KV LINE 937 PT FUSE JUNCTION BOX 937PTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 290 | 937PTC5, CT1, CT2, 9YP1C1 | 120VAC POWER FOR HEATER |
| 955PT | | | | | | | | | | |
| 955PT/JB | 230KV LINE 955 PT FUSE JUNCTION BOX 955PTJB | 230KV PNL 4 | 600 | 10 | 8 | M | BS | 290 | 955PTC1, CT1, TRAY | LINE 955 PT'S TO PNL 4 |
| 955PT/ PHA | LINE 955 PHASE "A" PT | 230KV LINE 955 PT FUSE JUNCTION BOX 955PTJB | 600 | 10 | 8 | M | BS | 30 | 955PTC2 | LINE 955 PT – PHASE "A" |
| 955PT/ PHB | LINE 955 PHASE "B" PT | 230KV LINE 955 PT FUSE JUNCTION BOX 955PTJB | 600 | 10 | 8 | M | BS | 15 | 955PTC3 | LINE 955 PT – PHASE "B" |
| 955PT/ PHC | LINE 955 PHASE "C" PT | 230KV LINE 955 PT FUSE JUNCTION BOX 955PTJB | 600 | 10 | 8 | M | BS | 30 | 955PTC4 | LINE 955 PT – PHASE "C" |
| 955PT/AC | 230KV LINE 955 PT FUSE JUNCTION BOX 955PTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 365 | 955PTC5, CT1, CT2, 9YP1C1 | 120VAC POWER FOR HEATER |
| 9T1PT | | | | | | | | | | |
| 9T1PT/JB | 230KV T1 PT FUSE JUNCTION BOX 9T1PTJB | 230KV PNL 15 | 600 | 10 | 8 | M | BS | 155 | 9T1PTC1, CT1, TRAY | 230KV T1 PT'S TO PNL 15 |
| 9T1PT/ PHA | 230KV T1 PHASE "A" PT | 230KV T1 PT FUSE JUNCTION BOX 9T1PTJB | 600 | 10 | 8 | M | BS | 30 | 9T1PTC2 | 230KV T1 PT – PHASE "A" |
| 9T1PT/ PHB | 230KV T1 PHASE "B" PT | 230KV T1 PT FUSE JUNCTION BOX 9T1PTJB | 600 | 10 | 8 | M | BS | 15 | 9T1PTC3 | 230KV T1 PT – PHASE "B" |
| 9T1PT/ PHC | 230KV T1 PHASE "C" PT | 230KV T1 PT FUSE JUNCTION BOX 9T1PTJB | 600 | 10 | 8 | M | BS | 30 | 9T1PTC4 | 230KV T1 PT – PHASE "C" |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------------------|--|--|------|------|----|-----|--------------|-----------------|------------------------------|-----------------------------|
| 9T1PT/AC | 230KV T1 PT FUSE JUNCTION BOX 9T1PTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 210 | 9T1PTC5, CT1, CT2, 9YP1C2 | 120VAC POWER FOR HEATER |
| NBPT | | | | | | | | | | |
| NBPT/JB | 230KV N BUS PT FUSE JUNCTION BOX NBPTJB | 230KV PNL 6 | 600 | 10 | 8 | M | BS | 240 | NBPTC1, CT1, TRAY | 230KV BUS NB PT'S TO PNL 6 |
| NBPT/PHB | 230KV N BUS B-PHASE PT | 230KV N BUS PT FUSE JUNCTION BOX NBPTJB | 600 | 10 | 8 | M | BS | 15 | NBPTC2 | 230KV BUS NB PT – PHASE "B" |
| NBPT/AC | 230KV N BUS PT FUSE JUNCTION BOX NBPTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 315 | NBPTC3, CT2, 9YP1C2 | 120VAC POWER FOR HEATER |
| SBPT | | | | | | | | | | |
| SBPT/JB | 230KV S BUS PT FUSE JUNCTION BOX SBPTJB | 230KV PNL 6 | 600 | 10 | 8 | M | BS | 290 | SBPTC1, CT1, TRAY | 230KV BUS SB PT'S TO PNL 6 |
| SBPT/PHB | 230KV S BUS B-PHASE PT | 230KV S BUS PT FUSE JUNCTION BOX SBPTJB | 600 | 10 | 8 | M | BS | 15 | SBPTC2 | 230KV BUS SB PT – PHASE "B" |
| SBPT/AC | 230KV S BUS PT FUSE JUNCTION BOX SBPTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 370 | SBPTC3, CT1, CT2, 9YP1C2 | 120VAC POWER FOR HEATER |
| TRANSFORMER T1 | | | | | | | | | | |
| T1/C1 | TRANSFORMER T1 | 230KV PNL 15 | 600 | 10 | 21 | M | BS | 260 | T1C1, CT2, CT1, TRAY | T1 ALARMS |
| T1/C2 | TRANSFORMER T1 | 26KV PNL 16 | 600 | 10 | 21 | M | BS | 265 | T1C2, CT2, CT1, TRAY | T1 CONTROL |
| 9T1/G | TRANSFORMER T1 | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 260 | T1C3, CT2, CT1, TRAY | T1 GROUND CURRENTS |
| T1/SPARE1 | TRANSFORMER T1 | 26KV PNL 15 | 600 | 10 | 4 | M | BS | 265 | T1C3, CT2, CT1, TRAY | SPARE CABLE |
| T1/SPARE2 | TRANSFORMER T1 | 26KV PNL 15 | 600 | 10 | 4 | M | BS | 265 | T1C3, CT2, CT1, TRAY | SPARE CABLE |
| T1/PH | TRANSFORMER T1 | 26KV PNL 16 | 600 | 10 | 4 | M | BS | 265 | T1C3, CT2, CT1, TRAY | T1 OVERCURRENT |
| 9T1/T1SC | TRANSFORMER T1 | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 260 | T1C4, CT2, CT1, TRAY | T1 SECONDARY PROTECTION |
| T1/DC | TRANSFORMER T1 | DC POWER PNL DCP-2 | 600 | 10 | 4 | M | BS | 300 | T1C4, CT2, CT1, TRAY | T1 DC POWER |
| T1/AC | TRANSFORMER T1 | AC YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 130 | T1C5, CT2, 5YP2C1 | 3 PHASE 240VAC POWER |
| T1/POT | TRANSFORMER T1 | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 260 | T1C3, CT2, CT1, TRAY | T1 MET POT |
| FO1/T1 | TRANSFORMER T1 | 230KV PNL 6 | | | 2 | S | FO/C 478A | 250 | | FIBER OPTIC (2414) |
| FO2/T1 | TRANSFORMER T1 | 230KV PNL 6 | | | 2 | S | FO/C 478A | 250 | | FIBER OPTIC (735) |
| FO3/T1 | TRANSFORMER T1 | 230KV PNL 6 | | | 2 | S | FO | 250 | | FIBER OPTIC (SPARE) |
| TRANSFORMER T2 | | | | | | | | | | |
| T2/C1 | TRANSFORMER T2 | 230KV PNL 19 | 600 | 10 | 21 | M | BS | 385 | T2C1, CT2, CT2, TRAY | T2 ALARMS |
| T2/C2 | TRANSFORMER T2 | 26KV PNL 20 | 600 | 10 | 21 | M | BS | 390 | T2C2, CT2, CT2, TRAY | T2 CONTROL |
| 9T2/G | TRANSFORMER T2 | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 385 | T2C3, CT2, CT2, TRAY | T2 GROUND CURRENTS |
| T2/SPARE1 | TRANSFORMER T2 | 26KV PNL 19 | 600 | 10 | 4 | M | BS | 390 | T2C3, CT2, CT2, TRAY | SPARE CABLE |
| T2/SPARE2 | TRANSFORMER T2 | 26KV PNL 19 | 600 | 10 | 4 | M | BS | 390 | T2C3, CT2, CT2, TRAY | SPARE CABLE |
| T2/PH | TRANSFORMER T2 | 26KV PNL 20 | 600 | 10 | 4 | M | BS | 390 | T2C3, CT2, CT2, TRAY | T2 OVERCURRENT |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|---------------------|----------------|----------------------------|------|------|----|-----|--------------|-----------------|------------------------|--------------------------------|
| 9T2/T2SC | TRANSFORMER T2 | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 385 | T2C4, CT2, CT1, TRAY | T2 SECONDARY PROTECTION |
| T2/DC | TRANSFORMER T2 | DC POWER PNL DCP-2 | 600 | 10 | 4 | M | BS | 405 | T2C4, CT2, CT1, TRAY | T2 DC POWER |
| T2/AC | TRANSFORMER T2 | AC YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 100 | T2C5, CT2, 5YP2C1 | 3 PHASE 240VAC POWER |
| T2/POT | TRANSFORMER T2 | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 385 | T1C3, CT2, CT1, TRAY | T2 MET POT |
| FO1/T2 | TRANSFORMER T2 | 230KV PNL 6 | | | 2 | S | FO/C 478A | 380 | | FIBER OPTIC (2414) |
| FO2/T2 | TRANSFORMER T2 | 230KV PNL 6 | | | 2 | S | FO/C 478A | 380 | | FIBER OPTIC (735) |
| FO3/T2 | TRANSFORMER T2 | 230KV PNL 6 | | | 2 | S | FO | 380 | | FIBER OPTIC (SPARE) |
| BREAKER 25T2 | | | | | | | | | | |
| 25T2/C1 | BKR 25T2 | 26KV PNL 20 | 600 | 10 | 21 | M | BS | 390 | 25T2C1, CT2, CT2, TRAY | BKR 25T2 CONTROL |
| 25T2/C2 | BKR 25T2 | 26KV PNL 20 | 600 | 10 | 8 | M | BS | 390 | 25T2C2, CT2, CT2, TRAY | BKR 25T2 CONTROL |
| 25T2/BD | BKR 25T2 | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 395 | 25T2C3, CT2, CT2, TRAY | 25T2 BUS PROTECTION |
| 25T2/TD | BKR 25T2 | 230KV PNL 19 | 600 | 10 | 4 | M | BS | 385 | 25T2C3, CT2, CT2, TRAY | T2 PRIMARY PROTECTION |
| 25T2/AC | BKR 25T2 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 90 | 25T2C4, CT2, 5YP1C1 | 240VAC POWER |
| BREAKER 488 | | | | | | | | | | |
| 488/C1 | BKR 488 | 26KV PNL 22 | 600 | 10 | 21 | M | BS | 405 | 488C1, CT2, CT1, TRAY | BKR 488 CONTROL |
| 488/PH | BKR 488 | 26KV PNL 22 | 600 | 10 | 4 | M | BS | 405 | 488C2, CT2, CT1, TRAY | 488 RELAYING |
| 488/BD | BKR 488 | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 400 | 488C2, CT2, CT1, TRAY | 488 BUS PROTECTION |
| 488/AC | BKR 488 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 110 | 488C3, CT2, 5YP1C1 | 240VAC POWER |
| BREAKER 489 | | | | | | | | | | |
| 489/C1 | BKR 489 | 26KV PNL 22 | 600 | 10 | 21 | M | BS | 410 | 489C1, CT2, CT1, TRAY | BKR 489 CONTROL |
| 489/PH | BKR 489 | 26KV PNL 22 | 600 | 10 | 4 | M | BS | 410 | 489C2, CT2, CT1, TRAY | 489 RELAYING |
| 489/BD | BKR 489 | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 405 | 489C2, CT2, CT1, TRAY | 489 BUS PROTECTION |
| 489/AC | BKR 489 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 110 | 489C3, CT2, 5YP1C1 | 240VAC POWER |
| BREAKER 490 | | | | | | | | | | |
| 490/C1 | BKR 490 | 26KV PNL 22 | 600 | 10 | 21 | M | BS | 410 | 490C1, CT2, CT1, TRAY | BKR 490 CONTROL |
| 490/PH | BKR 490 | 26KV PNL 22 | 600 | 10 | 4 | M | BS | 410 | 490C2, CT2, CT1, TRAY | 490 RELAYING |
| 490/BD | BKR 490 | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 405 | 490C2, CT2, CT1, TRAY | 490 BUS PROTECTION |
| 490/AC | BKR 490 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 110 | 490C3, CT2, 5YP1C1 | 240VAC POWER |
| 25C2 | | | | | | | | | | |
| 25C2/C2 | VBM 25C2 | 26KV PNL 20 | 600 | 10 | 21 | M | BS | 385 | 25C2C2, CT2, CT1, TRAY | VBM 25C2 CONTROL |
| 25C2/LUC | VBM 25C2 | C2 LUC BANK GUARD RELAY | 600 | 10 | 8 | M | BS | 30 | 25C2C5 | #2 CAPACITOR BANK CONTROL |
| 25C2/T2PT | VBM 25C2 | 26KV PNL 20 | 600 | 10 | 4 | M | BS | 385 | 25C2C2, CT2, 5T2PTC2 | POTENTIAL FROM 25T2 BUS PT'S |
| 25C2/NPT | VBM 25C2 | 25C2 NEUTRAL PT | 600 | 10 | 4 | M | BS | 85 | 25C2C4 | POTENTIAL FROM 25C2 NEUTRAL PT |
| 25C2/AC | VBM 25C2 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 85 | 25C2C3, CT2, 5YP1C2 | 120VAC TO VBM 25C2 |
| BREAKER 25T1 | | | | | | | | | | |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|---|---|---|------|------|----|-----|------|-----------------|---------------------------------|-------------------------------|
| 25T1/C1 | BKR 25T1 | 26KV PNL 16 | 600 | 10 | 21 | M | BS | 320 | 25T1C1, CT2, CT1, TRAY | BKR 25T1 CONTROL |
| 25T1/C2 | BKR 25T1 | 26KV PNL 16 | 600 | 10 | 8 | M | BS | 320 | 25T1C2, CT2, CT1, TRAY | BKR 25T1 CONTROL |
| 25T1/C3 | BKR 25T1 | 25KV PNL 16 | 600 | 10 | 4 | M | BS | 320 | 25T1C5, CT2, CT1, TRAY | BKR 25T1 AUX CONTACTS |
| 25T1/BD | BKR 25T1 | 26KV PNL 17 | 600 | 10 | 4 | M | BS | 325 | 25T1C3, CT2, CT1, TRAY | 25T1 BUS PROTECTION |
| 25T1/TD | BKR 25T1 | 230KV PNL 15 | 600 | 10 | 4 | M | BS | 315 | 25T1C3, CT2, CT1, TRAY | T1 PRIMARY PROTECTION |
| 25T1/AC | BKR 25T1 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | 25T1C4, CT2, 5YP1C1 | 240VAC POWER |
| BREAKER 25T1T2 | | | | | | | | | | |
| 25T1T2/C1 | BKR 25T1T2 | 26KV PNL 16 | 600 | 10 | 21 | M | BS | 340 | 25T1T2C1, CT2, CT1, TRAY | BKR 25T1T2 CONTROL |
| 25T1T2/C2 | BKR 25T1T2 | 26KV PNL 16 | 600 | 10 | 8 | M | BS | 340 | 25T1T2C2, CT2, CT1, TRAY | BKR 25T1T2 CONTROL |
| 25T1T2/BD1 | BKR 25T1T2 | 26KV PNL 17 | 600 | 10 | 4 | M | BS | 345 | 25T1T2C3, CT2, CT1, TRAY | T1 BUS PROTECTION |
| 25T1T2/BD2 | BKR 25T1T2 | 230KV PNL 21 | 600 | 10 | 4 | M | BS | 355 | 25T1T2C3, CT2, CT1, TRAY | T2 BUS PROTECTION |
| 25T1T2/AC | BKR 25T1T2 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 50 | 25T1T2C4, CT2, 5YP1C1 | 240VAC POWER |
| BREAKER 423 | | | | | | | | | | |
| 423/C1 | BKR 423 | 26KV PNL 18 | 600 | 10 | 21 | M | BS | 340 | 423C1, CT2, CT1, TRAY | BKR 423 CONTROL |
| 423/PH | BKR 423 | 26KV PNL 18 | 600 | 10 | 4 | M | BS | 340 | 423C2, CT2, CT1, TRAY | 423 RELAYING |
| 423/BD | BKR 423 | 26KV PNL 17 | 600 | 10 | 4 | M | BS | 335 | 423C2, CT2, CT1, TRAY | 423 BUS PROTECTION |
| 423/AC | BKR 423 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 90 | 423C3, CT2, 5YP1C1 | 240VAC POWER |
| BREAKER 424 | | | | | | | | | | |
| 424/C1 | BKR 424 | 26KV PNL 18 | 600 | 10 | 21 | M | BS | 340 | 424C1, CT2, CT1, TRAY | BKR 424 CONTROL |
| 424/PH | BKR 424 | 26KV PNL 18 | 600 | 10 | 4 | M | BS | 340 | 424C2, CT2, CT1, TRAY | 424 RELAYING |
| 424/BD | BKR 424 | 26KV PNL 17 | 600 | 10 | 4 | M | BS | 335 | 424C2, CT2, CT1, TRAY | 424 BUS PROTECTION |
| 424/AC | BKR 424 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 90 | 424C3, CT2, 5YP1C1 | 240VAC POWER |
| DG LINE 423 REVENUE METERING CT & PT UNITS | | | | | | | | | | |
| 423MT/CTA | 25KV DG LINE 423 REVENUE METERING CT | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 4 | M | BS | 15 | 423METC4 | 25KV DG LINE 423 CT PHASE "A" |
| 423MT/CTB | 25KV DG LINE 423 REVENUE METERING CT | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 4 | M | BS | 15 | 423METC4, 423METC5 | 25KV DG LINE 423 CT PHASE "B" |
| 423MT/CTC | 25KV DG LINE 423 REVENUE METERING CT | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 4 | M | BS | 15 | 423METC4, 423METC5, 423METC6 | 25KV DG LINE 423 CT PHASE "C" |
| 423MT/PTA | 25KV DG LINE 423 REVENUE METERING PT | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 4 | M | BS | 15 | 423METC7 | 25KV DG LINE 423 PT PHASE "A" |
| 423MT/PTB | 25KV DG LINE 423 REVENUE METERING PT | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 4 | M | BS | 15 | 423METC7, 423METC8 | 25KV DG LINE 423 PT PHASE "B" |
| 423MT/PTC | 25KV DG LINE 423 REVENUE METERING PT | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 4 | M | BS | 15 | 423METC7, 423METC8, 423METC9 | 25KV DG LINE 423 PT PHASE "C" |
| 423MT/PT | 25KV DG LINE 423 JUNCTION BOX 423METJB | PANEL 23 | 600 | 10 | 4 | M | BS | 375 | 423METC1, CT3, TRAY | 25KV DG LINE 423 PT TO CEE |
| 423MT/CT | 25KV DG LINE 423 JUNCTION BOX 423METJB | PANEL 23 | 600 | 10 | 4 | M | BS | 375 | 423METC2, CT3, TRAY | 25KV DG LINE 423 CT TO CEE |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|---|---|---|------|------|----|-----|------|-----------------|---------------------------------|---|
| 423MT/AC | AC YARD PNL 5YP1-1P | 25KV DG LINE 423 JUNCTION BOX 423METJB | 600 | 10 | 2 | M | C | 145 | 5YP1C4, CT3, 423METC3 | 120VAC POWER FOR HEATER (CABLE PROVIDED BY CONTRACTOR) |
| DG LINE 424 REVENUE METERING CT & PT UNITS | | | | | | | | | | |
| 424MT/CTA | 25KV DG LINE 424 REVENUE METERING CT | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 4 | M | BS | 15 | 424METC4, 424METC5, 424METC6 | 25KV DG LINE 424 CT PHASE "A" |
| 424MT/CTB | 25KV DG LINE 424 REVENUE METERING CT | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 4 | M | BS | 15 | 424METC4, 424METC5 | 25KV DG LINE 424 CT PHASE "B" |
| 424MT/CTC | 25KV DG LINE 424 REVENUE METERING CT | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 4 | M | BS | 15 | 424METC4 | 25KV DG LINE 424 CT PHASE "C" |
| 424MT/PTA | 25KV DG LINE 424 REVENUE METERING PT | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 4 | M | BS | 15 | 424METC7, 424METC8, 424METC9 | 25KV DG LINE 424 PT PHASE "A" |
| 424MT/PTB | 25KV DG LINE 424 REVENUE METERING PT | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 4 | M | BS | 15 | 424METC7, 424METC8 | 25KV DG LINE 424 PT PHASE "B" |
| 424MT/PTC | 25KV DG LINE 424 REVENUE METERING PT | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 4 | M | BS | 15 | 424METC7 | 25KV DG LINE 424 PT PHASE "C" |
| 424MT/PT | 25KV DG LINE 424 JUNCTION BOX 424METJB | PANEL 24 | 600 | 10 | 4 | M | BS | 400 | 424METC1, CT3, TRAY | 25KV DG LINE 424 PT TO CEE |
| 424MT/CT | 25KV DG LINE 424 JUNCTION BOX 424METJB | PANEL 24 | 600 | 10 | 4 | M | BS | 400 | 424METC2, CT3, TRAY | 25KV DG LINE 424 CT TO CEE |
| 424MT/AC | 25KV DG LINE 423 JUNCTION BOX 423METJB | 25KV DG LINE 424 JUNCTION BOX 424METJB | 600 | 10 | 2 | M | C | 200 | 423METC3, CT3, 424METC3 | 120VAC POWER FOR HEATER (CABLE PROVIDED BY CONTRACTOR) |
| 25kv BUS1 STATION SERVICE CT | | | | | | | | | | |
| CTJB1/STBD1 | 26KV BUS 1 CT JUNCTION BOX 5CTJB1 | 26KV PNL 17 | 600 | 10 | 4 | M | BS | 305 | 5CT1C1, CT2, CT1, TRAY | 25 KV BUS 1 PROTECTION ST |
| SS1CT/PHA | STA SERV BUS 1 PHASE "A" CT | 26KV BUS 1 CT JUNCTION BOX 5CTJB1 | 600 | 10 | 4 | M | BS | 15 | 5CT1C3, 5CT1C4 | STATION SERVICE BUS 1 CT - PHASE "A" |
| SS1CT/PHC | STA SERV BUS 1 PHASE "C" CT | 26KV BUS 1 CT JUNCTION BOX 5CTJB1 | 600 | 10 | 4 | M | BS | 15 | 5CT1C3, 5CT1C5 | STATION SERVICE BUS 1 CT - PHASE "C" |
| 5CT1/AC | 26KV BUS 1 CT JUNCTION BOX 5CTJB1 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | 5CT1C2, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| 25kv BUS2 CAP BANK CT | | | | | | | | | | |
| CTJB3/CAPBD 2 | 26KV CAP BANK CT JUNCTION BOX 5CTJB3 | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 375 | 5CT3C1, CT2, CT1, TRAY | 25 KV BUS 2 PROTECTION CAP |
| VBM1CT/PHA | VBM PHASE "A" CT | 26KV BUS 2 CT JUNCTION BOX 5CTJB3 | 600 | 10 | 4 | M | BS | 30 | 5CT3C3, 5CT3C4 | VBM CT - PHASE "A" |
| VBM1CT/PHB | VBM PHASE "B" CT | 26KV BUS 2 CT JUNCTION BOX 5CTJB3 | 600 | 10 | 4 | M | BS | 25 | 5CT3C3, 5CT3C5 | VBM CT - PHASE "B" |
| VBM1CT/PHC | VBM PHASE "C" CT | 26KV BUS 2 CT JUNCTION BOX 5CTJB3 | 600 | 10 | 4 | M | BS | 20 | 5CT3C3, 5CT3C6 | VBM CT - PHASE "C" |

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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-------------------------------------|---|---|------|------|----|-----|------|-----------------|-------------------------|---|
| 5CT3/AC | 26KV CAP BANK CT JUNCTION BOX 5CTJB3 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 80 | 5CT3C2, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| 25KV BUS2 STATION SERVICE CT | | | | | | | | | | |
| CTJB2/STBD2 | 26KV BUS 2 CT JUNCTION BOX 5CTJB2 | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 380 | 5CT2C1, CT2, CT1, TRAY | 25 KV BUS 2 PROTECTION ST |
| SS2CT/PHA | STA SERV BUS 2 PHASE "A" CT | 26KV BUS 2 CT JUNCTION BOX 5CTJB2 | 600 | 10 | 4 | M | BS | 15 | 5CT2C3, 5CT2C4 | STATION SERVICE BUS 2 CT - PHASE "A" |
| SS2CT/PHC | STA SERV BUS 2 PHASE "C" CT | 26KV BUS 2 CT JUNCTION BOX 5CTJB2 | 600 | 10 | 4 | M | BS | 15 | 5CT2C3, 5CT2C5 | STATION SERVICE BUS 2 CT - PHASE "C" |
| 5CT2/AC | 26KV BUS 2 CT JUNCTION BOX 5CTJB2 | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | 5CT2C2, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| 25KV T1 PT | | | | | | | | | | |
| 5T1PT/PHA | 26KV T1 BUS PHASE "A" PT | 26KV T1 BUS PT FUSE JUNCTION BOX 5T1PTJB | 600 | 10 | 4 | M | BS | 15 | 5T1PTC3 | 26KV BUS T1 PT - PHASE "A" |
| 5T1PT/PHB | 26KV T1 BUS PHASE "B" PT | 26KV T1 BUS PT FUSE JUNCTION BOX 5T1PTJB | 600 | 10 | 4 | M | BS | 15 | 5T1PTC4 | 26KV BUS T1 PT - PHASE "B" |
| 5T1PT/PHC | 26KV T1 BUS PHASE "C" PT | 26KV T1 BUS PT FUSE JUNCTION BOX 5T1PTJB | 600 | 10 | 4 | M | BS | 15 | 5T1PTC5 | 26KV BUS T1 PT - PHASE "C" |
| 5T1PT/JB | 26KV T1 BUS PT FUSE JUNCTION BOX 5T1PTJB | 26KV PNL 17 | 600 | 10 | 4 | M | BS | 320 | 5T1PTC1, CT2, CT1, TRAY | 26KV BUS T1 PT'S TO PNL 17 |
| 5T1PT/AC | 26KV T1 BUS PT FUSE JUNCTION BOX 5T1PTJB | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | 5T1PTC2, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| 25KV T2 PT | | | | | | | | | | |
| 5T2PT/PHA | 26KV T2 BUS PHASE "A" PT | 26KV T2 BUS PT FUSE JUNCTION BOX 5T2PTJB | 600 | 10 | 4 | M | BS | 15 | 5T2PTC3 | 26KV BUS T2 PT - PHASE "A" |
| 5T2PT/PHB | 26KV T2 BUS PHASE "B" PT | 26KV T2 BUS PT FUSE JUNCTION BOX 5T2PTJB | 600 | 10 | 4 | M | BS | 15 | 5T2PTC4 | 26KV BUS T2 PT - PHASE "B" |
| 5T2PT/PHC | 26KV T2 BUS PHASE "C" PT | 26KV T2 BUS PT FUSE JUNCTION BOX 5T2PTJB | 600 | 10 | 4 | M | BS | 15 | 5T2PTC5 | 26KV BUS T2 PT - PHASE "C" |
| 5T2PT/JB | 26KV T2 BUS PT FUSE JUNCTION BOX 5T2PTJB | 26KV PNL 21 | 600 | 10 | 4 | M | BS | 380 | 5T2PTC1, CT2, CT2, TRAY | 26KV BUS T2 PT'S TO PNL 21 |
| 5T2PT/AC | 26KV T2 BUS PT FUSE JUNCTION BOX 5T2PTJB | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | 5T2PTC2, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| 423PT | | | | | | | | | | |
| 423PT/JB | 25KV LINE 423 PT FUSE JUNCTION BOX 423PTJB | 25KV PNL 18 | 600 | 10 | 4 | M | BS | 360 | 423PTC1, CT1, TRAY | 25KV LINE 423 PT'S TO PNL 18 |
| 423PT/PHB | 25KV LINE 423 B-PHASE PT | 25KV LINE 423 PT FUSE JUNCTION BOX 423PTJB | 600 | 10 | 4 | M | BS | 15 | 423PTC2 | 25KV LINE 423 PT - PHASE "B" |

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|---------------------------|---|---|------|---------|----|-----|------|-----------------|--|---|
| 423PT/AC | 25KV LINE 423 PT FUSE JUNCTION BOX 423PTJB | AC YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 120 | 423PTC3, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| 424PT | | | | | | | | | | |
| 424PT/JB | 25KV LINE 423 PT FUSE JUNCTION BOX 423PTJB | 25KV PNL 18 | 600 | 10 | 4 | M | BS | 360 | 423PTC1, CT1, TRAY | 25KV LINE 423 PT'S TO PNL 18 |
| 423PT/PHB | 25KV LINE 423 B-PHASE PT | 25KV LINE 423 PT FUSE JUNCTION BOX 423PTJB | 600 | 10 | 4 | M | BS | 15 | 423PTC2 | 25KV LINE 423 PT – PHASE "B" |
| 423PT/AC | 25KV LINE 423 PT FUSE JUNCTION BOX 423PTJB | AC YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 120 | 423PTC3, CT2, 5YP1C2 | 120VAC POWER FOR HEATER |
| STATION SERVICE | | | | | | | | | | |
| SSATS1/AC | STA SERV TRANS ON BUS 1 | ATS | 600 | (2) 4/0 | 8 | S | C | 125 | SSB1C1, CT2, SSB1C2 | STA SERV TRANS BUS 1 AC FEED TWO SETS PER PHASE |
| SSATS2/AC | STA SERV TRANS ON BUS 2 | ATS | 600 | (2) 4/0 | 8 | S | C | 40 | SSB2C1 | STA SERV TRANS BUS 2 AC FEED TWO SETS PER PHASE (TEMP PAD MOUNT TRANSFORFERS) |
| MTATS1 | METER CABINET MT1 | ATS | 600 | (2) 4/0 | 8 | S | C | 15 | MTATS1C1 | METER FEED TWO SETS PER PHASE |
| MTSOC1 | METER CABINET MT1 | METER SOCKET | 600 | | | S | C | 5 | MTSOC1C1 | METER SOCKET |
| MTMBP1 | METER CABINET MT1 | MAIN BKR PNL MBP1-3P | 600 | (2) 4/0 | 8 | S | C | 40 | MTMBP1C1 | MAIN BKR PNL AC FEED TWO SETS PER PHASE |
| MBP19YP1 | MAIN BKR PNL MBP1-3P | YARD PNL 9YP1-1P | 600 | 350 | 3 | S | C | 460 | MBP1C1, CT2, 9YP1C3 | PNL 9YP1-1P AC FEED |
| MBP19YP2 | MAIN BKR PNL MBP1-3P | YARD PNL 9YP2-1P | 600 | 350 | 3 | S | C | 470 | MBP1C2, CT2, 9YP2C3 | PNL 9YP2-1P AC FEED |
| MBP15YP1 | MAIN BKR PNL MBP1-3P | YARD PNL 5YP1-1P | 600 | 250 | 3 | S | C | 90 | MBP1C3, CT2, 5YP1C3 | PNL 5YP1-1P AC FEED |
| MBP15YP2 | MAIN BKR PNL MBP1-3P | YARD PNL 5YP2-3P | 600 | 250 | 4 | S | C | 80 | MBP1C4, CT2, 5YP2C3 | PNL 5YP2-3P AC FEED |
| MBP1ACP1 | MAIN BKR PNL MBP1-3P | AC PNL ACP-1 | 600 | 250 | 3 | S | C | 400 | MBP1C6, CT2, CT1, CTE, TRAY, ACP1W2 | PNL ACP-1 AC FEED |
| MBP1ACP2 | MAIN BKR PNL MBP1-3P | AC PNL ACP-2 | 600 | 250 | 3 | S | C | 400 | MBP1C7, CT2, CT1, CTE, TRAY, ACP2W2 | PNL ACP-2 AC FEED |
| DUPLEX RECEPTACLES | | | | | | | | | | |
| DR937S/AC | DUPLEX RECEPTACLE AT FUTURE 937S | YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 270 | DRC1, CT1, CT2, 9YP1C5 | 120VAC POWER |
| DR955S/AC | DUPLEX RECEPTACLE AT FUTURE 955S | YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 340 | DRC2, CT1, CT2, 9YP1C5 | 120VAC POWER |
| DR9T1N/AC | DUPLEX RECEPTACLE AT FUTURE 9T1N | YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 265 | DRC3, CT1, CT2, 9YP1C5 | 120VAC POWER |
| DR9T2N/AC | DUPLEX RECEPTACLE AT 9T2N | YARD PNL 9YP1-1P | 600 | 10 | 3 | M | C | 170 | DRC4, CT1, CT2, 9YP1C5 | 120VAC POWER |

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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|--------------------------|--|------------------|------|------|----|-----|------|-----------------|------------------------|----------------------|
| DRT1/AC | DUPLEX RECEPTACLE AT 25T1 | YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | DRC5, CT2, 5YP1C5 | 120VAC POWER |
| DRT2/AC | DUPLEX RECEPTACLE AT 25T2 | YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | DRC6, CT2, 5YP1C5 | 120VAC POWER |
| DR423/AC | DUPLEX RECEPTACLE AT 423 | YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 75 | DRC7, CT2, 5YP1C5 | 120VAC POWER |
| DR489/AC | DUPLEX RECEPTACLE AT 489 | YARD PNL 5YP1-1P | 600 | 10 | 3 | M | C | 100 | DRC8, CT2, 5YP1C2 | 120VAC POWER |
| TRUCK RECEPTACLES | | | | | | | | | | |
| TR937S/AC | TRUCK RECEPTACLE AT FUTURE 937S | YARD PNL 9YP1-1P | 600 | 6 | 3 | M | C | 270 | TRC1, CT1, CT2, 9YP1C5 | 240VAC POWER |
| TR955S/AC | TRUCK RECEPTACLE AT FUTURE 955S | YARD PNL 9YP1-1P | 600 | 6 | 3 | M | C | 340 | TRC2, CT1, CT2, 9YP1C5 | 240VAC POWER |
| TR9T1N/AC | TRUCK RECEPTACLE AT FUTURE 9T1N | YARD PNL 9YP1-1P | 600 | 6 | 3 | M | C | 265 | TRC3, CT1, CT2, 9YP1C5 | 240VAC POWER |
| TR9T2N/AC | TRUCK RECEPTACLE AT 9T2N | YARD PNL 9YP1-1P | 600 | 6 | 3 | M | C | 170 | TRC4, CT1, CT2, 9YP1C5 | 240VAC POWER |
| TRT1/AC | TRUCK RECEPTACLE AT 25T1 | YARD PNL 5YP1-1P | 600 | 6 | 3 | M | C | 75 | TRC5, CT2, 5YP1C5 | 240VAC POWER |
| TRT2/AC | TRUCK RECEPTACLE AT 25T2 | YARD PNL 5YP1-1P | 600 | 6 | 3 | M | C | 75 | TRC6, CT2, 5YP1C5 | 240VAC POWER |
| TR423/AC | TRUCK RECEPTACLE AT 423 | YARD PNL 5YP1-1P | 600 | 6 | 3 | M | C | 75 | TRC7, CT2, 5YP1C5 | 240VAC POWER |
| TR489/AC | TRUCK RECEPTACLE AT 489 | YARD PNL 5YP1-1P | 600 | 6 | 3 | M | C | 100 | TRC8, CT2, 5YP1C2 | 240VAC POWER |
| DR937S/AC | | | | | | | | | | |
| GC937S/AC | GAS CART/VAC RECEPTACLE AT 937S | YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 470 | GCC1, CT1, CT2, 5YP2C2 | 3 PHASE 240VAC POWER |
| GC955S/AC | GAS CART/VAC RECEPTACLE AT FUTURE 955S | YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 545 | GCC2, CT1, CT2, 5YP2C2 | 3 PHASE 240VAC POWER |
| GC9T1N/AC | GAS CART/VAC RECEPTACLE AT FUTURE 9T1N | YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 275 | GCC3, CT1, CT2, 5YP2C2 | 3 PHASE 240VAC POWER |
| GC9T2N/AC | GAS CART/VAC RECEPTACLE AT 9T2N | YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 450 | GCC4, CT1, CT2, 5YP2C2 | 3 PHASE 240VAC POWER |
| GC25T1/AC | GAS CART/VAC RECEPTACLE AT 25T1 | YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 75 | GCC5, CT2, 5YP2C4 | 3 PHASE 240VAC POWER |

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|----------------------------|------------------------------------|------------------|------|------|----|-----|------|-----------------|----------------------------|----------------------|
| GC25T2/AC | GAS CART/VAC RECEPTACLE AT 25T2 | YARD PNL 5YP2-3P | 600 | 6 | 4 | S | C | 100 | GCC6, CT2, 5YP2C4 | 3 PHASE 240VAC POWER |
| SUBSTATION LIGHTING | | | | | | | | | | |
| L001 | 9YP1-1P | PP#12 | 600 | 10 | 3 | M | C | 240 | C047,CBL TRENCH, CPP12 | 120VAC POWER |
| L002 | PP#12 | PP#2 | 600 | 10 | 3 | M | C | 88 | CPP02 | 120VAC POWER |
| L003 | 9YP1-1P | PP#1 | 600 | 10 | 3 | M | C | 383 | C047,CBL TRENCH, CPP01 | 120VAC POWER |
| L004 | PP#1 | PP#11 | 600 | 10 | 3 | M | C | 102 | CPP11 | 120VAC POWER |
| L005 | 9YP2-1P | YL5-D | 600 | 8 | 3 | M | C | 66 | C047,CBL TRENCH,CYL5E | 120VAC POWER |
| L006 | YL5-D | YL5-C | 600 | 8 | 3 | M | C | 30 | CYL5D | 120VAC POWER |
| L007 | YL5-C | YL5-B | 600 | 8 | 3 | M | C | 55 | CYL5C | 120VAC POWER |
| L008 | YL5-B | YL5-A | 600 | 8 | 3 | M | C | 30 | CYL5B | 120VAC POWER |
| L009 | YL5-A | YL6-D | 600 | 8 | 3 | M | C | 64 | CYL5A,CBL TRENCH,CYL6E | 120VAC POWER |
| L010 | YL6-D | YL6-C | 600 | 8 | 3 | M | C | 30 | CYL6D | 120VAC POWER |
| L011 | YL6-C | YL6-B | 600 | 8 | 3 | M | C | 55 | CYL6C | 120VAC POWER |
| L012 | YL6-B | YL6-A | 600 | 8 | 3 | M | C | 30 | CYL6B | 120VAC POWER |
| L013 | YL6-A | PP#10 | 600 | 8 | 3 | M | C | 155 | CYL6A,CBL TRENCH, CPP10 | 120VAC POWER |
| L014 | 9YP1-1P | YL4-A | 600 | 10 | 3 | M | C | 248 | C047,CBL TRENCH,CYL4A | 120VAC POWER |
| L015 | YL4-A | YL4-B | 600 | 10 | 3 | M | C | 30 | CYL4B | 120VAC POWER |
| L016 | YL4-B | YL4-C | 600 | 10 | 3 | M | C | 55 | CYL4C | 120VAC POWER |
| L017 | YL4-C | YL4-D | 600 | 10 | 3 | M | C | 30 | CYL4D | 120VAC POWER |
| L018 | YL4-D | YL3-A | 600 | 10 | 3 | M | C | 78 | CYL4E,CBL TRENCH,CYL3A | 120VAC POWER |
| L019 | YL3-A | YL3-B | 600 | 10 | 3 | M | C | 30 | CYL3B | 120VAC POWER |
| L020 | YL3-B | YL3-C | 600 | 10 | 3 | M | C | 55 | CYL3C | 120VAC POWER |
| L021 | YL3-C | YL3-D | 600 | 10 | 3 | M | C | 30 | CYL3D | 120VAC POWER |
| L022 | 9YP2-1P | PP#9 | 600 | 8 | 3 | M | C | 343 | C047,CBL TRENCH, CPP09 | 120VAC POWER |
| L023 | PP#9 | CP#1 | 600 | 8 | 3 | M | C | 110 | CCP01 | 120VAC POWER |
| L024 | CP#1 | CP#2 | 600 | 8 | 3 | M | C | 90 | CCP02 | 120VAC POWER |
| L025 | CP#2 | CP#3 | 600 | 8 | 3 | M | C | 90 | CCP03 | 120VAC POWER |
| L026 | 5YP1-1P | PP#4 | 600 | 10 | 3 | M | C | 47 | C122,CBL TRENCH, CPP04 | 120VAC POWER |
| L027 | PP#4 | PP#3 | 600 | 10 | 3 | M | C | 95 | CPP04,CBL TRENCH, CPP03 | 120VAC POWER |

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|-----------------------|--------------------|--------------------|------|------|----|-----|------|-----------------|--|---|
| L028 | PP#3 | YL1-A | 600 | 10 | 3 | M | C | 72 | CPP03,CBL TRENCH,CYL1A | 120VAC POWER |
| L029 | YL1-A | YL1-B | 600 | 10 | 3 | M | C | 74 | CYL1B | 120VAC POWER |
| L030 | YL1-B | YL2-A | 600 | 10 | 3 | M | C | 35 | CYL2A | 120VAC POWER |
| L031 | YL2-A | YL2-B | 600 | 10 | 3 | M | C | 74 | CYL2B | 120VAC POWER |
| L032 | 5YP1-1P | PP#5 | 600 | 10 | 3 | M | C | 87 | C122,CBL TRENCH,CPP05 | 120VAC POWER |
| L033 | PP#5 | PP#6 | 600 | 10 | 3 | M | C | 59 | CPP06 | 120VAC POWER |
| L034 | PP#6 | PP#7 | 600 | 10 | 3 | M | C | 89 | CPP07 | 120VAC POWER |
| L035 | PP#7 | PP#8 | 600 | 10 | 3 | M | C | 110 | CPP08 | 120VAC POWER |
| SECURITY SYSTEM POWER | | | | | | | | | | |
| SGATE/AC | AC POWER PNL ACP-2 | GATE CONTROL PANEL | 600 | 6 | 3 | M | C | 500 | ACP2W3, TRAY, SEBC1, SEB17C2, SEB16C2, SCB15C2, SPG1 | 240VAC POWER (60A) SECURITY HOFFMAN JUNCTION BOX |
| SCAM1/AC | AC POWER PNL ACP2 | SEHH#1 | 600 | 10 | 3 | M | C | 75 | ACP2W1,CBL TRAY,SEB1C1 | 120VAC SECURITY POWER |
| SCAM3/AC | SEHH#1 | SEHH#2 | 600 | 10 | 3 | M | C | 145 | SEB2C1 | 120VAC SECURITY POWER |
| SCAM5/AC | SEHH#2 | SEHH#3 | 600 | 10 | 3 | M | C | 140 | SEB3C1 | 120VAC SECURITY POWER |
| SCAM7/AC | SEHH#3 | SEHH#4 | 600 | 10 | 3 | M | C | 135 | SEB4C1 | 120VAC SECURITY POWER |
| SCAM9/AC | SEHH#4 | SEHH#5 | 600 | 10 | 3 | M | C | 145 | SEB5C1 | 120VAC SECURITY POWER |
| SCAM11/AC | AC POWER PNL ACP2 | SEHH#8 | 600 | 6 | 3 | M | C | 550 | ACP2W1,CBL TRAY,CBL TRENCH, SEB1C3, SEB9C1 | 120VAC SECURITY POWER |
| SCAM13/AC | SEHH#8 | SEHH#7 | 600 | 10 | 3 | M | C | 140 | SEB8C1 | 120VAC SECURITY POWER |
| SCAM15/AC | SEHH#7 | SEHH#6 | 600 | 10 | 3 | M | C | 135 | SEB7C1 | 120VAC SECURITY POWER |
| SCAM17/AC | AC POWER PNL ACP1 | SEHH#9 | 600 | 6 | 3 | M | C | 410 | ACP1W1,CBL TRAY,CBL TRENCH, SEB1C4 | 120VAC SECURITY POWER |
| SCAM19/AC | SEHH#9 | SEHH#10 | 600 | 10 | 3 | M | C | 140 | SEB10C1 | 120VAC SECURITY POWER |
| SCAM21/AC | SEHH#10 | SEHH#11 | 600 | 10 | 3 | M | C | 140 | SEB11C1 | 120VAC SECURITY POWER |
| SCAM23/AC | AC POWER PNL ACP1 | SEHH#16 | 600 | 6 | 3 | M | C | 190 | ACP1W1,CBL TRAY,SEB1C2, SEB17C1 | 120VAC SECURITY POWER |
| SCAM25/AC | SEHH#16 | SEHH#15 | 600 | 10 | 3 | M | C | 140 | SEB16C1 | 120VAC SECURITY POWER |
| SCAM27/AC | SEHH#15 | SEHH#14 | 600 | 10 | 3 | M | C | 145 | SEB15C1 | 120VAC SECURITY POWER |

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|-----------------------------|-------------------|---------------|------|------|----|-----|------|-----------------|--|---|
| SCAM29/AC | SEHH#14 | SEHH#13 | 600 | 10 | 3 | M | C | 145 | SEB14C1 | 120VAC SECURITY POWER |
| SCAM31/AC | SEHH#13 | SEHH#12 | 600 | 10 | 3 | M | C | 145 | SEB13C1 | 120VAC SECURITY POWER |
| SECURITY LIGHT POWER | | | | | | | | | | |
| SLIG1/AC | AC POWER PNL ACP2 | SLHH#1 | 600 | 6 | 3 | M | C | 75 | ACP2W1,CBL TRAY,SLB1C1 | 120VAC POWER |
| SLIG2/AC | SLHH#1 | SEC. LIGHT #1 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 1 |
| SLIG3/AC | SLHH#1 | SLHH#2 | 600 | 6 | 3 | M | C | 145 | SLB2C1 | 120VAC POWER |
| SLIG4/AC | SLHH#2 | SEC. LIGHT #2 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 2 |
| SLIG5/AC | SLHH#2 | SLHH#3 | 600 | 6 | 3 | M | C | 140 | SLB3C1 | 120VAC POWER |
| SLIG6/AC | SLHH#3 | SEC. LIGHT #3 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 3 |
| SLIG7/AC | SLHH#3 | SLHH#4 | 600 | 6 | 3 | M | C | 135 | SLB4C1 | 120VAC POWER |
| SLIG8/AC | SLHH#4 | SEC. LIGHT #4 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 4 |
| SLIG9/AC | SLHH#4 | SLHH#5 | 600 | 6 | 3 | M | C | 145 | SLB5C1 | 120VAC POWER |
| SLIG10/AC | SLHH#5 | SEC. LIGHT #5 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG11/AC | AC POWER PNL ACP2 | SLHH#8 | 600 | 6 | 3 | M | C | 550 | ACP2W1,CBL TRAY,CBL TRENCH, SLB1C3, SLB9C1 | 120VAC POWER |
| SLIG12/AC | SLHH#8 | SEC. LIGHT #8 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG13/AC | SLHH#8 | SLHH#7 | 600 | 6 | 3 | M | C | 140 | SLB8C1 | 120VAC POWER |
| SLIG14/AC | SLHH#7 | SEC. LIGHT #7 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG15/AC | SLHH#7 | SLHH#6 | 600 | 6 | 3 | M | C | 135 | SLB7C1 | 120VAC POWER |
| SLIG16/AC | SLHH#6 | SEC. LIGHT #6 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG17/AC | AC POWER PNL ACP1 | SLHH#9 | 600 | 6 | 3 | M | C | 410 | ACP1W1,CBL TRAY,CBL TRENCH, SLB1C4 | 120VAC POWER |
| SLIG18/AC | SLHH#9 | SEC. LIGHT #9 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------------------------------|--|--------------------|------|------|----|-----|------|-----------------|--------------------------------------|---|
| SLIG19/AC | SLHH#9 | SLHH#10 | 600 | 6 | 3 | M | C | 140 | SLB10C1 | 120VAC POWER |
| SLIG20/AC | SLHH#10 | SEC. LIGHT #10 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG21/AC | SLHH#10 | SLHH#11 | 600 | 6 | 3 | M | C | 140 | SLB11C1 | 120VAC POWER |
| SLIG22/AC | SLHH#11 | SEC. LIGHT #11 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG23/AC | AC POWER PNL ACP1 | SLHH#16 | 600 | 6 | 3 | M | C | 190 | ACP1W1,CBL TRAY,SLB1C2, SLB17C1 | 120VAC POWER |
| SLIG24/AC | SLHH#16 | SEC. LIGHT #16 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG25/AC | SLHH#16 | SLHH#15 | 600 | 6 | 3 | M | C | 140 | SLB16C1 | 120VAC POWER |
| SLIG26/AC | SLHH#15 | SEC. LIGHT #15 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG27/AC | SLHH#15 | SLHH#14 | 600 | 6 | 3 | M | C | 145 | SLB15C1 | 120VAC POWER |
| SLIG28/AC | SLHH#14 | SEC. LIGHT #14 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG29/AC | SLHH#14 | SLHH#13 | 600 | 6 | 3 | M | C | 145 | SLB14C1 | 120VAC POWER |
| SLIG30/AC | SLHH#13 | SEC. LIGHT #13 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| SLIG31/AC | SLHH#13 | SLHH#12 | 600 | 6 | 3 | M | C | 145 | SLB13C1 | 120VAC POWER |
| SLIG32/AC | SLHH#12 | SEC. LIGHT #12 | 600 | 10 | 3 | M | C | 40 | POLE CONDUIT | 120VAC POWER SECURITY LIGHTS ON POLE 5 |
| CONTROL BUILDING CIRCUITS | | | | | | | | | | |
| BC1/AC | BATTERY CHARGER #1 | AC POWER PNL ACP-1 | 600 | 6 | 3 | S | A | 25 | ACP1W3, TRAY, BC1C1 | BATTERY CHARGER 1 AC POWER |
| AH1/AC | AIR HANDLER # 1 | AC POWER PNL ACP-1 | 600 | 10 | 3 | M | C/A | 75 | ACP1W1, TRAY, HVAC1 | |
| CON1/AC | AC CONDENSER # 1 | AC POWER PNL ACP-1 | 600 | 10 | 3 | M | C/A | 75 | ACP1W3, TRAY, HVAC1 | |
| AH2/AC | AIR HANDLER # 2 | AC POWER PNL ACP-1 | 600 | 10 | 3 | M | C/A | 50 | ACP1W1, TRAY, HVAC2 | |
| CON2/AC | AC CONDENSER # 2 | AC POWER PNL ACP-1 | 600 | 10 | 3 | M | C/A | 50 | ACP1W3, TRAY, HVAC2 | |
| RRGFI/AC | RESTROOM GFI RECEPTACLE | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE - SEE CONT HOUSE DWGS | |
| RRL/AC | RESTROOM LIGHTS AND EXHAUST FAN | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE - SEE CONT HOUSE DWGS | |
| CBOL/AC | CONTROL BUILDING OUTDOOR LIGHTS | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE - SEE CONT HOUSE DWGS | |
| BRL/AC | BATTERY ROOM LIGHTS AND EXHAUST FAN | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE - SEE CONT HOUSE DWGS | |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------|--|--------------------|------|------|----|-----|------|-----------------|--------------------------------------|--|
| DRCHE/AC | OUTDOOR DUPLEX RECEPTACLE AT CONTROL HOUSE EAST WALL | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | 120VAC POWER |
| SRL1/AC | SWITCHBOARD ROOM LIGHTS | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | |
| SRL2/AC | SWITCHBOARD ROOM LIGHTS | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | |
| DRCHW/AC | OUTDOOR DUPLEX RECEPTACLE AT CONTROL HOUSE WEST WALL | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | 120VAC POWER |
| SRR1/AC | SWITCHBOARD ROOM RECEPTACLES | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | |
| SRR2/AC | SWITCHBOARD ROOM RECEPTACLES | AC POWER PNL ACP-1 | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | |
| DFP/AC | DRAIN FIELD PUMP | AC POWER PNL ACP-1 | 600 | 8 | 3 | M | C | 240 | DFPC2, DFPC1, TRAY, ACP1W1 | |
| BC2/AC | BATTERY CHARGER #2 | AC POWER PNL ACP-2 | 600 | 6 | 3 | S | A | 40 | ACP2W3, TRAY, BC2C1 | BATTERY CHARGER 2 AC POWER |
| P2/AC | AC POWER PNL ACP-2 | 230KV PNL 2 | 600 | 10 | 2 | M | B | 50 | ACP2W1, TRAY | 230KV PNL 2 THRU 5 - AC POWER |
| P2P3/AC | 230KV PNL 2 | 230KV PNL 3 | 600 | 10 | 2 | M | B | 15 | TRAY | 230KV PNL 2 THRU 5 - AC POWER |
| P3P4/AC | 230KV PNL 3 | 230KV PNL 4 | 600 | 10 | 2 | M | B | 15 | TRAY | 230KV PNL 2 THRU 5 - AC POWER |
| P4P5/AC | 230KV PNL 4 | 230KV PNL 5 | 600 | 10 | 2 | M | B | 15 | TRAY | 230KV PNL 2 THRU 5 - AC POWER |
| P6/AC | AC POWER PNL ACP-2 | 230KV PNL 4 | 600 | 10 | 2 | M | B | 60 | ACP2W1, TRAY | 230KV PNL 6 |
| P15/AC | AC POWER PNL ACP-2 | 26KV PNL 15 | 600 | 10 | 2 | M | B | 30 | ACP2W1, TRAY | 26KV PNL 15 THRU 18 - AC POWER |
| P15P16/AC | 26KV PNL 15 | 26KV PNL 16 | 600 | 10 | 2 | M | B | 15 | TRAY | 26KV PNL 15 THRU 18 - AC POWER |
| P16P17/AC | 26KV PNL 16 | 26KV PNL 17 | 600 | 10 | 2 | M | B | 15 | TRAY | 26KV PNL 15 THRU 18 - AC POWER |
| P17P18/AC | 26KV PNL 17 | 26KV PNL 18 | 600 | 10 | 2 | M | B | 15 | TRAY | 26KV PNL 15 THRU 18 - AC POWER |
| P19/AC | AC POWER PNL ACP-2 | 26KV PNL 19 | 600 | 10 | 2 | M | B | 20 | ACP2W1, TRAY | 26KV PNL 19 THRU 22 - AC POWER |
| P19P20/AC | 26KV PNL 19 | 26KV PNL 20 | 600 | 10 | 2 | M | B | 15 | TRAY | 26KV PNL 19 THRU 22 - AC POWER |
| P20P21/AC | 26KV PNL 20 | 26KV PNL 21 | 600 | 10 | 2 | M | B | 15 | TRAY | 26KV PNL 19 THRU 22 - AC POWER |
| P21P22/AC | 26KV PNL 21 | 26KV PNL 22 | 600 | 10 | 2 | M | B | 15 | TRAY | 26KV PNL 19 THRU 22 - AC POWER |
| P23/AC | AC POWER PNL ACP-2 | 26KV PNL 23 | 600 | 10 | 2 | M | B | 40 | ACP2W1, TRAY | 26KV PNL 23 THRU 24 - AC POWER (CABLE PROVIDED BY CONTRACTOR) |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNTH ckt ft | CONDUIT # | REMARKS |
|---|-----------------------------|-----------------------------------|------|------|----|-----|------|----------------|--------------------------------------|--|
| P23P24/AC | 26KV PNL 23 | 26KV PNL 24 | 600 | 10 | 2 | M | B | 20 | TRAY | 26KV PNL 23 THRU 24 – AC POWER (CABLE PROVIDED BY CONTRACTOR) |
| FIRE/AC | AC POWER PNL ACP-1 | ALL SMOKE DETECTOR FIRE ALARMS | 600 | 12 | 3 | M | A | | FIELD ROUTE – SEE CONT HOUSE DWGS | AC POWER FIRE ALARM CIRCUIT |
| FIRE/ALM | FIRE ALARM CKT | 26KV PNL 6 | 600 | 18 | 2 | M | B | | FIELD ROUTE – SEE CONT HOUSE DWGS | FIRE ALARM INPUT TO SCADA |
| DOOR1/ALM | SECURITY OUTLET BOX SB2 | 26KV PNL 6 | 600 | 18 | 2 | M | B | | FIELD ROUTE – SEE CONT HOUSE DWGS | SOUTH DOUBLE DOOR ALARM INPUT TO SCADA |
| DOOR2/ALM | SECURITY OUTLET BOX SB10 | 26KV PNL 6 | 600 | 18 | 2 | M | B | | FIELD ROUTE – SEE CONT HOUSE DWGS | EAST DOOR ALARM INPUT TO SCADA |
| CONTROL HOUSE 125 VDC BATTERY SYSTEM | | | | | | | | | | |
| BB1/DC | 125 VDC BATTERY BANK #1 | DC POWER PNL DCP-1 | 600 | 4/0 | 2 | W | A | 55 | B1C1 | POWER PNL D CP-1 DC FEED |
| BC1/DC | BATTERY CHARGER #1 | DC POWER PNL DCP-1 | 600 | 6 | 2 | S | A | 15 | BC1C2, DCP1W1 | BATTERY CHARGER DC CONNECTION |
| B1CB/DC | BATTERY #1 CART BOX | DC POWER PNL DCP-1 | 600 | 2 | 2 | S | A | 5 | B1CBC1 | BATTERY #1 CART BOX CONNECTION |
| BC1/ALM | BATTERY CHARGER #1 | 230KV PNL 6 | 600 | 18 | 2 | M | B | 70 | BC1C3, TRAY | BATTERY CHARGER #1 ALARMS |
| BB2/DC | 125 VDC BATTERY BANK #2 | DC POWER PNL DCP-2 | 600 | 4/0 | 2 | W | A | 30 | B2C1 | POWER PNL DCP-2 DC FEED |
| BC2/DC | BATTERY CHARGER #2 | DC POWER PNL DCP-2 | 600 | 6 | 2 | S | A | 15 | BC2C2, DCP2W1 | BATTERY CHARGER #2 DC CONNECTION |
| B2CB/DC | BATTERY #2 CART BOX | DC POWER PNL DCP-2 | 600 | 2 | 2 | S | A | 5 | B2CBC1 | BATTERY #2 CART BOX CONNECTION |
| BC2/ALM | BATTERY CHARGER #2 | 230KV PNL 6 | 600 | 18 | 2 | M | B | 80 | BC2C3, TRAY | BATTERY CHARGER #2 ALARMS |
| P2/DC1 | DC POWER PNL DCP-1 | 230KV PNL 2 | 600 | 10 | 2 | M | B | 55 | TRAY, DCP1AW1 | DC POWER SUPPLY #1 |
| P2/DC2 | DC POWER PNL DCP-2 | 230KV PNL 2 | 600 | 10 | 2 | M | B | 65 | TRAY, DCP2AW1 | DC POWER SUPPLY #2 |
| P3/DC1 | DC POWER PNL DCP-1 | 230KV PNL 3 | 600 | 10 | 2 | M | B | 60 | TRAY, DCP1AW1 | DC POWER SUPPLY #1 |
| P3/DC2 | DC POWER PNL DCP-2 | 230KV PNL 3 | 600 | 10 | 2 | M | B | 70 | TRAY, DCP2AW1 | DC POWER SUPPLY #2 |
| P4/DC1 | DC POWER PNL DCP-1 | 230KV PNL 4 | 600 | 10 | 2 | M | B | 65 | TRAY, DCP1AW1 | DC POWER SUPPLY #1 |
| P4/DC2 | DC POWER PNL DCP-2 | 230KV PNL 4 | 600 | 10 | 2 | M | B | 75 | TRAY, DCP2AW1 | DC POWER SUPPLY #2 |
| P5/DC1 | DC POWER PNL DCP-1 | 230KV PNL 5 | 600 | 10 | 2 | M | B | 70 | TRAY, DCP1AW1 | DC POWER SUPPLY #1 |
| P5/DC2 | DC POWER PNL DCP-2 | 230KV PNL 5 | 600 | 10 | 2 | M | B | 80 | TRAY, DCP2AW1 | DC POWER SUPPLY #2 |
| P6/DC1 | DC POWER PNL DCP-1 | 230KV PNL 6 | 600 | 10 | 2 | M | B | 75 | TRAY, DCP1AW1 | DC POWER SUPPLY #1 |
| P6/DC2 | DC POWER PNL DCP-2 | 230KV PNL 6 | 600 | 10 | 2 | M | B | 85 | TRAY, DCP2AW1 | DC POWER SUPPLY #2 |
| P15/DC1 | DC POWER PNL DCP-1 | 230KV PNL 15 | 600 | 10 | 2 | M | B | 50 | TRAY, DCP1AW3 | DC POWER SUPPLY #1 |
| P15/DC2 | DC POWER PNL DCP-2 | 230KV PNL 15 | 600 | 10 | 2 | M | B | 60 | TRAY, DCP2AW3 | DC POWER SUPPLY #2 |
| P16/DC1 | DC POWER PNL DCP-1 | 26KV PNL 16 | 600 | 10 | 2 | M | B | 45 | TRAY, DCP1AW3 | DC POWER SUPPLY #1 |
| P17/DC1 | DC POWER PNL DCP-1 | 26KV PNL 17 | 600 | 10 | 2 | M | B | 40 | TRAY, DCP2AW3 | DC POWER SUPPLY #1 |

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**CABLE SCHEDULE
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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------|--------------------|-------------|------|------|----|-----|------|-----------------|---------------|--|
| P18/DC1 | DC POWER PNL DCP-1 | 26KV PNL 18 | 600 | 10 | 2 | M | B | 35 | TRAY, DCP2AW3 | DC POWER SUPPLY #1 |
| P19/DC1 | DC POWER PNL DCP-1 | 230KV PNL19 | 600 | 10 | 2 | M | B | 30 | TRAY, DCP1AW3 | DC POWER SUPPLY #1 |
| P19/DC2 | DC POWER PNL DCP-2 | 230KV PNL19 | 600 | 10 | 2 | M | B | 35 | TRAY, DCP2AW3 | DC POWER SUPPLY #2 |
| P20/DC1 | DC POWER PNL DCP-1 | 26KV PNL 20 | 600 | 10 | 2 | M | B | 25 | TRAY, DCP1AW3 | DC POWER SUPPLY #1 |
| P21/DC1 | DC POWER PNL DCP-1 | 26KV PNL 21 | 600 | 10 | 2 | M | B | 20 | TRAY, DCP2AW3 | DC POWER SUPPLY #1 |
| P22/DC1 | DC POWER PNL DCP-1 | 26KV PNL 22 | 600 | 10 | 2 | M | B | 15 | TRAY, DCP2AW3 | DC POWER SUPPLY #1 |
| P23/DC1 | DC POWER PNL DCP-1 | 25KV PNL 23 | 600 | 10 | 2 | M | B | 40 | TRAY, DCP1AW3 | DC POWER SUPPLY #1 (CABLE PROVIDED BY CONTRACTOR) |
| P23/DC2 | DC POWER PNL DCP-2 | 25KV PNL 23 | 600 | 10 | 2 | M | B | 40 | TRAY, DCP2AW3 | DC POWER SUPPLY #2 (CABLE PROVIDED BY CONTRACTOR) |
| P24/DC1 | DC POWER PNL DCP-1 | 25KV PNL 24 | 600 | 10 | 2 | M | B | 40 | TRAY, DCP1AW3 | DC POWER SUPPLY #1 (CABLE PROVIDED BY CONTRACTOR) |
| P24/DC2 | DC POWER PNL DCP-2 | 25KV PNL 24 | 600 | 10 | 2 | M | B | 35 | TRAY, DCP2AW3 | DC POWER SUPPLY #2 (CABLE PROVIDED BY CONTRACTOR) |
| | | | | | | | | | | |
| P2P3/C1 | PANEL 2 | PANEL 3 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 937S TC1 |
| P2P3/C2 | PANEL 2 | PANEL 3 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 937S TC2 |
| P2P3/C3 | PANEL 2 | PANEL 3 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 937S BC |
| P2P3/C4 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937S BF1 |
| P2P3/C5 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937 DTT/BKR 937S |
| P2P3/C6 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937S AUX CONTACTS |
| P2P3/C7 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937S DFR |
| P2P3/C8 | PANEL 2 | PANEL 3 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 937S BF ALARMS |
| P2P3/C9 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937 SYNC POT |
| P2P3/C10 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937S CT |
| P2P3/C11 | PANEL 2 | PANEL 3 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 937T1 TC1 |
| P2P3/C12 | PANEL 2 | PANEL 3 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 937T1 TC2 |
| P2P3/C13 | PANEL 2 | PANEL 3 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 937T1 BC |
| P2P3/C14 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937T1 BF1 |
| P2P3/C15 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937 DTT/BKR 937T1 |
| P2P3/C16 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937T1 AUX CONTACTS |
| P2P3/C17 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937T1 DFR |
| P2P3/C18 | PANEL 2 | PANEL 3 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 937T1 BF ALARMS |
| P2P3/C19 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | SPARE |
| P2P3/C20 | PANEL 2 | PANEL 3 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 937T1 CT |
| | | | | | | | | | | |
| P2P18/C1 | PANEL 2 | PANEL 18 | 600 | 10 | 2 | M | B | 40 | TRAY | DG LINE 423 AITT |
| P2P18/C2 | PANEL 2 | PANEL 18 | 600 | 10 | 2 | M | B | 40 | TRAY | DG LINE 423 AITT |
| P2P18/C3 | PANEL 2 | PANEL 18 | 600 | 10 | 2 | M | B | 40 | TRAY | DG LINE 424 AITT |

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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------|---------|----------|------|------|----|-----|------|-----------------|-----------|------------------------|
| P2P18/C4 | PANEL 2 | PANEL 18 | 600 | 10 | 2 | M | B | 40 | TRAY | DG LINE 424 AITT |
| P3P4/C1 | PANEL 3 | PANEL 4 | 600 | 10 | 2 | M | B | 25 | TRAY | BKR 937S TC1 |
| P3P4/C2 | PANEL 3 | PANEL 4 | 600 | 10 | 2 | M | B | 25 | TRAY | BKR 937S TC2 |
| P3P4/C3 | PANEL 3 | PANEL 4 | 600 | 10 | 2 | M | B | 25 | TRAY | BKR 937S BC |
| P3P4/C4 | PANEL 3 | PANEL 4 | 600 | 10 | 4 | M | B | 25 | TRAY | BKR 937S BF1 |
| P3P4/C5 | PANEL 3 | PANEL 4 | 600 | 10 | 4 | M | B | 25 | TRAY | BKR 955 DTT/BKR 937S |
| P3P4/C6 | PANEL 3 | PANEL 4 | 600 | 10 | 4 | M | B | 25 | TRAY | BKR 937S AUX CONTACTS |
| P3P4/C7 | PANEL 3 | PANEL 4 | 600 | 10 | 4 | M | B | 25 | TRAY | SPARE |
| P3P5/C1 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 955T2 TC2 |
| P3P5/C2 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 955T2 BC |
| P3P5/C3 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 9T2N TC2 |
| P3P5/C4 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 9T2N BC |
| P3P5/C5 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937T1 TC2 |
| P3P5/C6 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937T1 BC |
| P3P5/C7 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937S TC2 |
| P3P5/C8 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937S BC |
| P3P5/C9 | PANEL 3 | PANEL 5 | 600 | 10 | 4 | M | B | 30 | TRAY | SPARE |
| P3P5/C10 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 9T2N TC1 |
| P3P5/C11 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 955T2 TC1 |
| P3P5/C12 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937T1TC1 |
| P3P5/C13 | PANEL 3 | PANEL 5 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937S TC1 |
| P3P6/C1 | PANEL 3 | PANEL 6 | 600 | 10 | 4 | M | B | 30 | TRAY | SB SYNC POT |
| P3P15/C1 | PANEL 3 | PANEL 15 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937T1 TC1 |
| P3P15/C2 | PANEL 3 | PANEL 15 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937T1 TC2 |
| P3P15/C3 | PANEL 3 | PANEL 15 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 937T1 BC |
| P3P15/C4 | PANEL 3 | PANEL 15 | 600 | 10 | 4 | M | B | 30 | TRAY | BKR 937T1 BF1 |
| P3P15/C6 | PANEL 3 | PANEL 15 | 600 | 10 | 4 | M | B | 30 | TRAY | BKR 937T1 AUX CONTACTS |
| P3P15/C7 | PANEL 3 | PANEL 15 | 600 | 10 | 4 | M | B | 30 | TRAY | SPARE |
| P3P15/C8 | PANEL 3 | PANEL 15 | 600 | 10 | 4 | M | B | 30 | TRAY | SPARE |
| P3P15/C9 | PANEL 3 | PANEL 15 | 600 | 10 | 4 | M | B | 30 | TRAY | 9T1 SYNC POT |
| P3P16/C1 | PANEL 3 | PANEL 16 | 600 | 10 | 2 | M | B | 35 | TRAY | BKR 25T1 TRIP |
| P3P16/C2 | PANEL 3 | PANEL 16 | 600 | 10 | 2 | M | B | 35 | TRAY | BKR 25T1 BC |
| P3P16/C3 | PANEL 3 | PANEL 16 | 600 | 10 | 4 | M | B | 35 | TRAY | 25T1T2 AUTO CLOSE |

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NOT FOR CONSTRUCTION

CABLE SCHEDULE
DINSMORE SUBSTATION

PAGE.: 19 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNTH ckt ft | CONDUIT # | REMARKS |
|----------|---------|----------|------|------|----|-----|------|----------------|-----------|------------------------|
| P3P18/C1 | PANEL 3 | PANEL 18 | 600 | 10 | 2 | M | B | 40 | TRAY | DG LINE 423 AITT |
| P3P18/C2 | PANEL 3 | PANEL 18 | 600 | 10 | 2 | M | B | 40 | TRAY | DG LINE 424 AITT |
| P4P5/C1 | PANEL 4 | PANEL 5 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 955T2 TC1 |
| P4P5/C2 | PANEL 4 | PANEL 5 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 955T2 TC2 |
| P4P5/C3 | PANEL 4 | PANEL 5 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 955T2 BC |
| P4P5/C4 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 955T2 BF1 |
| P4P5/C5 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 955 DTT/BKR 955T2 |
| P4P5/C6 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 955T2 AUX CONTACTS |
| P4P5/C7 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 955T2 DFR |
| P4P5/C8 | PANEL 4 | PANEL 5 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 955T2 BF ALARMS |
| P4P5/C9 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | 955 SYNC POT |
| P4P5/C10 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 955T2 CT |
| P4P5/C11 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | BKR 9T2N DFR |
| P4P5/C12 | PANEL 4 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | DFR BKR 9T2N STATUS |
| P4P18/C1 | PANEL 4 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 423 AITT |
| P4P18/C2 | PANEL 4 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 423 AITT |
| P4P18/C3 | PANEL 4 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 424 AITT |
| P4P18/C4 | PANEL 4 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 424 AITT |
| P5P6/C1 | PANEL 5 | PANEL 6 | 600 | 10 | 4 | M | B | 20 | TRAY | NB SYNC POT |
| P5P6/C2 | PANEL 6 | PANEL 5 | 600 | 10 | 4 | M | B | 20 | TRAY | ANN ALARMS |
| P5P15/C1 | PANEL 5 | PANEL 15 | 600 | 10 | 2 | M | B | 45 | TRAY | BKR 9T2N TC1 |
| P5P15/C2 | PANEL 5 | PANEL 15 | 600 | 10 | 2 | M | B | 45 | TRAY | BKR 9T2N TC2 |
| P5P15/C3 | PANEL 5 | PANEL 15 | 600 | 10 | 2 | M | B | 45 | TRAY | BKR 9T2N BC |
| P5P15/C4 | PANEL 5 | PANEL 15 | 600 | 10 | 4 | M | B | 45 | TRAY | BKR 9T2N BF1 |
| P5P15/C6 | PANEL 5 | PANEL 15 | 600 | 10 | 4 | M | B | 45 | TRAY | BKR 9T2N AUX CONTACTS |
| P5P15/C7 | PANEL 5 | PANEL 15 | 600 | 10 | 4 | M | B | 45 | TRAY | SPARE |
| P5P15/C8 | PANEL 5 | PANEL 15 | 600 | 10 | 4 | M | B | 45 | TRAY | SPARE |
| P5P15/C9 | PANEL 5 | PANEL 15 | 600 | 10 | 4 | M | B | 45 | TRAY | SPARE |
| P5P16/C1 | PANEL 5 | PANEL 16 | 600 | 10 | 2 | M | B | 50 | TRAY | BKR 25T1 TRIP |
| P5P16/C2 | PANEL 5 | PANEL 16 | 600 | 10 | 2 | M | B | 50 | TRAY | BKR 25T1 BC |
| P5P16/C3 | PANEL 5 | PANEL 16 | 600 | 10 | 4 | M | B | 50 | TRAY | 25T1T2 AUTO CLOSE |

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**CABLE SCHEDULE
DINSMORE SUBSTATION**

PAGE.: 20 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------|---------|----------|------|------|----|-----|------|-----------------|-----------|------------------------|
| P5P18/C1 | PANEL 5 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 423 AITT |
| P5P18/C2 | PANEL 5 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 424 AITT |
| P5P18/C3 | PANEL 5 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 423 AITT |
| P5P18/C4 | PANEL 5 | PANEL 18 | 600 | 10 | 2 | M | B | 35 | TRAY | DG LINE 424 AITT |
| | | | | | | | | | | |
| P5P19/C1 | PANEL 5 | PANEL 19 | 600 | 10 | 2 | M | B | 60 | TRAY | BKR 9T2N TC1 |
| P5P19/C2 | PANEL 5 | PANEL 19 | 600 | 10 | 2 | M | B | 60 | TRAY | BKR 9T2N TC2 |
| P5P19/C3 | PANEL 5 | PANEL 19 | 600 | 10 | 2 | M | B | 60 | TRAY | BKR 9T2N BC |
| P5P19/C4 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 9T2N BF1 |
| P5P19/C6 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 9T2N AUX CONTACTS |
| P5P19/C7 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | SPARE |
| P5P19/C8 | PANEL 5 | PANEL 19 | 600 | 10 | 8 | M | B | 60 | TRAY | BKR 9T2N BF ALARMS |
| P5P19/C9 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | 9T2N CT |
| P5P19/C10 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | 9T2 SYNC POT |
| P5P19/C11 | PANEL 5 | PANEL 19 | 600 | 10 | 2 | M | B | 60 | TRAY | BKR 955T2 TC1 |
| P5P19/C12 | PANEL 5 | PANEL 19 | 600 | 10 | 2 | M | B | 60 | TRAY | BKR 955T2 TC2 |
| P5P19/C13 | PANEL 5 | PANEL 19 | 600 | 10 | 2 | M | B | 60 | TRAY | BKR 955T2 BC |
| P5P19/C14 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 955T2 BF1 |
| P5P19/C16 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 955T2 AUX CONTACTS |
| P5P19/C17 | PANEL 5 | PANEL 19 | 600 | 10 | 4 | M | B | 60 | TRAY | SPARE |
| | | | | | | | | | | |
| P5P20/C1 | PANEL 5 | PANEL 20 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 25T2 TRIP BY 9T2N |
| P5P20/C2 | PANEL 5 | PANEL 20 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 25T2 BC BY 9T2N |
| P5P20/C3 | PANEL 5 | PANEL 20 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 25T2 TRIP BY 955T2 |
| P5P20/C4 | PANEL 5 | PANEL 20 | 600 | 10 | 4 | M | B | 60 | TRAY | BKR 25T2 BC BY 955T2 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| P6P15/C1 | PANEL 6 | PANEL 15 | 600 | 10 | 4 | M | B | 40 | TRAY | 9T1 DFR CT |
| P6P15/C2 | PANEL 6 | PANEL 15 | 600 | 10 | 4 | M | B | 40 | TRAY | 9T1 DFR PT |
| P6P15/C3 | PANEL 6 | PANEL 15 | 600 | 10 | 8 | M | B | 40 | TRAY | 9T1 DFR DI |
| P6P15/C4 | PANEL 6 | PANEL 15 | 600 | 10 | 8 | M | B | 40 | TRAY | SPARE |
| | | | | | | | | | | |
| P6P19/C1 | PANEL 6 | PANEL 19 | 600 | 10 | 4 | M | B | 55 | TRAY | 9T2 DFR CT |
| P6P19/C2 | PANEL 6 | PANEL 19 | 600 | 10 | 4 | M | B | 55 | TRAY | 9T2 DFR PT |
| P6P19/C3 | PANEL 6 | PANEL 19 | 600 | 10 | 8 | M | B | 55 | TRAY | 9T2 DFR DI |
| P6P19/C4 | PANEL 6 | PANEL 19 | 600 | 10 | 8 | M | B | 55 | TRAY | SPARE |

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**CABLE SCHEDULE
DINSMORE SUBSTATION**

PAGE.: 21 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|-----------|----------|----------|------|------|----|-----|------|-----------------|-----------|---------------------------|
| P6P23/C1 | PANEL 6 | PANEL 23 | 600 | 18 | 2 | M | B | 35 | TRAY | BUCAM FAIL TO ANNUNCIATOR |
| P15P16/C1 | PANEL 15 | PANEL 16 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 25T1 TRIP |
| P15P16/C2 | PANEL 15 | PANEL 16 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 25T1 TRIP |
| P15P16/C3 | PANEL 15 | PANEL 16 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 25T1 BLOCK CLOSE |
| P15P16/C4 | PANEL 15 | PANEL 16 | 600 | 10 | 2 | M | B | 20 | TRAY | XFMR T1 COOLING INTERLOCK |
| P15P16/C5 | PANEL 15 | PANEL 16 | 600 | 10 | 4 | M | B | 20 | TRAY | XFMR HIGH TEMP/25T1T2 AC |
| P15P16/C6 | PANEL 15 | PANEL 16 | 600 | 10 | 4 | M | B | 20 | TRAY | 25T1 AUX CONTACTS |
| P15P16/C7 | PANEL 15 | PANEL 16 | 600 | 10 | 4 | M | B | 20 | TRAY | 25KV BUS 1 POT |
| P15P18/C1 | PANEL 15 | PANEL 18 | 600 | 10 | 4 | M | B | 25 | TRAY | 25KV BUS 1 POT |
| P15P18/C2 | PANEL 15 | PANEL 18 | 600 | 10 | 4 | M | B | 25 | TRAY | SPARE |
| P16P17/C2 | PANEL 16 | PANEL 17 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 25T1 T & C |
| P16P17/C3 | PANEL 16 | PANEL 17 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 25T1T2 T & C |
| P16P17/C4 | PANEL 16 | PANEL 17 | 600 | 10 | 4 | M | B | 20 | TRAY | 25T1T2 RLY CT |
| P16P17/C5 | PANEL 16 | PANEL 17 | 600 | 10 | 4 | M | B | 20 | TRAY | 25KV BUS 1 POT |
| P16P18/C1 | PANEL 16 | PANEL 18 | 600 | 10 | 2 | M | B | 25 | TRAY | BKR 25T1 AUX CONTACTS |
| P16P18/C2 | PANEL 16 | PANEL 18 | 600 | 10 | 2 | M | B | 25 | TRAY | BKR 25T1 AUX CONTACTS |
| P16P19/C1 | PANEL 16 | PANEL 19 | 600 | 10 | 4 | M | B | 25 | TRAY | 25T1T2 AUTO CLOSE |
| P16P20/C1 | PANEL 16 | PANEL 20 | 600 | 10 | 4 | M | B | 30 | TRAY | 25T2 AUX CONTACTS |
| P16P20/C2 | PANEL 16 | PANEL 20 | 600 | 10 | 4 | M | B | 30 | TRAY | 25T2 AUX CONTACTS |
| P16P21/C1 | PANEL 16 | PANEL 21 | 600 | 10 | 8 | M | B | 35 | TRAY | BKR 25T1T2 T & C |
| P16P22/C1 | PANEL 16 | PANEL 22 | 600 | 10 | 4 | M | B | 35 | TRAY | 25KV BUS 2 POT |
| P16P23/C1 | PANEL 16 | PANEL 23 | 600 | 10 | 2 | M | B | 35 | TRAY | BKR 25T1 AUX CONTACTS |
| P17P18/C1 | PANEL 17 | PANEL 18 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 423 T & C |
| P17P18/C2 | PANEL 17 | PANEL 18 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 424 T & C |
| P17P18/C4 | PANEL 17 | PANEL 18 | 600 | 10 | 4 | M | B | 20 | TRAY | SPARE |
| P17P18/C5 | PANEL 17 | PANEL 18 | 600 | 10 | 8 | M | B | 20 | TRAY | 25B1 ALARMS |
| P17P18/C6 | PANEL 17 | PANEL 18 | 600 | 10 | 4 | M | B | 20 | TRAY | SPARE |

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**CABLE SCHEDULE
DINSMORE SUBSTATION**

PAGE.: 22 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNPTH ckt ft | CONDUIT # | REMARKS |
|-----------|----------|----------|------|-------|----|-----|------|-----------------|-----------|---------------------------|
| P18P23/C1 | PANEL 18 | PANEL 23 | 600 | 10 | 4 | M | B | 30 | TRAY | 25KV BUS 1 POT |
| P18P23/C2 | PANEL 18 | PANEL 23 | 600 | 10 | 2 | M | B | 30 | TRAY | BKR 423 AUX CONTACTS |
| P18P23/C3 | PANEL 18 | PANEL 23 | 600 | 10 | 8 | M | B | 30 | TRAY | BKR 423 DFR IND |
| P18P23/C4 | PANEL 18 | PANEL 23 | 600 | 10 | 4 | M | B | 30 | TRAY | BKR 423 CT |
| P18P24/C1 | PANEL 18 | PANEL 24 | 600 | 10 | 4 | M | B | 35 | TRAY | 25KV BUS 1 POT |
| P18P24/C2 | PANEL 18 | PANEL 24 | 600 | 10 | 2 | M | B | 35 | TRAY | BKR 424 AUX CONTACTS |
| P18P24/C3 | PANEL 18 | PANEL 24 | 600 | 10 | 8 | M | B | 35 | TRAY | BKR 424 DFR IND |
| P18P24/C4 | PANEL 18 | PANEL 24 | 600 | 10 | 4 | M | B | 35 | TRAY | BKR 424 CT |
| P19P20/C1 | PANEL 19 | PANEL 20 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 25T2 TRIP |
| P19P20/C2 | PANEL 19 | PANEL 20 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 25T2 TRIP |
| P19P20/C3 | PANEL 19 | PANEL 20 | 600 | 10 | 2 | M | B | 20 | TRAY | BKR 25T2 BLOCK CLOSE |
| P19P20/C4 | PANEL 19 | PANEL 20 | 600 | 10 | 2 | M | B | 20 | TRAY | XFMR T2 COOLING INTERLOCK |
| P19P20/C5 | PANEL 19 | PANEL 20 | 600 | 10 | 4 | M | B | 20 | TRAY | T2 HIGH TEMP |
| P19P20/C6 | PANEL 19 | PANEL 20 | 600 | 10 | 4 | M | B | 20 | TRAY | 25T2 AUX CONTACTS |
| P19P20/C7 | PANEL 19 | PANEL 20 | 600 | 10 | 4 | M | B | 20 | TRAY | 25KV BUS 2 POT |
| P19P22/C1 | PANEL 19 | PANEL 22 | 600 | 10 | 4 | M | B | 30 | TRAY | 25KV BUS 2 POT |
| P19P22/C2 | PANEL 19 | PANEL 22 | 600 | 10 | 4 | M | B | 30 | TRAY | SPARE |
| P20P21/C1 | PANEL 20 | PANEL 21 | 600 | 10 | 8 | M | B | 20 | TRAY | VBM 25C2 T & C |
| P20P21/C2 | PANEL 20 | PANEL 21 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 25T2 T & C |
| P20P21/C3 | PANEL 20 | PANEL 21 | 600 | 10 | 8 | M | B | 20 | TRAY | SPARE |
| P20P21/C4 | PANEL 20 | PANEL 21 | 600 | 10 | 4 | M | B | 20 | TRAY | 25KV BUS 2 POT |
| P20P21/C5 | PANEL 20 | PANEL 21 | 600 | 10 | 8 | M | B | 20 | TRAY | 25T2T3 T & C |
| P21P22/C1 | PANEL 21 | PANEL 22 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 488 T & C |
| P21P22/C2 | PANEL 21 | PANEL 22 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 489 T & C |
| P21P22/C3 | PANEL 21 | PANEL 22 | 600 | 10 | 8 | M | B | 20 | TRAY | BKR 490 T & C |
| P21P22/C4 | PANEL 21 | PANEL 22 | 600 | 10 | 4 | M | B | 20 | TRAY | SPARE |
| P21P22/C5 | PANEL 21 | PANEL 22 | 600 | 10 | 8 | M | B | 20 | TRAY | 25B2 ALARMS |
| P21P22/C6 | PANEL 21 | PANEL 22 | 600 | 10 | 4 | M | B | 20 | TRAY | SPARE |
| ES1/P5 | PANEL 6 | PANEL 6 | | CA605 | | | | | | SERIAL CABLE BY JEA |
| ES1/P6 | PANEL 6 | PANEL 6 | | CA605 | | | | | | SERIAL CABLE BY JEA |
| ES1/P15 | PANEL 6 | PANEL 15 | | CA605 | | | | 40 | TRAY | SERIAL CABLE BY JEA |

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**CABLE SCHEDULE
DINSMORE SUBSTATION**

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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNPTH ckt ft | CONDUIT # | REMARKS |
|----------|---------|-----------|------|----------------|----|-----|------|-----------------|-----------|---|
| ES2/P15 | PANEL 6 | PANEL 15 | | CA605 | | | | 40 | TRAY | SERIAL CABLE BY JEA |
| ES1/P16 | PANEL 6 | PANEL 19 | | CA605 | | | | 55 | TRAY | SERIAL CABLE BY JEA |
| ES2/P16 | PANEL 6 | PANEL 19 | | CA605 | | | | 55 | TRAY | SERIAL CABLE BY JEA |
| ES1/P17 | PANEL 6 | PANEL 2 | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |
| ES2/P17 | PANEL 6 | PANEL 2 | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |
| ES1/P18 | PANEL 6 | PANEL 4 | | CA605 | | | | 25 | TRAY | SERIAL CABLE BY JEA |
| ES2/P18 | PANEL 6 | PANEL 4 | | CA605 | | | | 25 | TRAY | SERIAL CABLE BY JEA |
| ES1/P09 | PANEL 6 | PANEL 17 | | CA605 | | | | 50 | TRAY | SERIAL CABLE BY JEA |
| ES1/P10 | PANEL 6 | PANEL 21 | | CA605 | | | | 55 | TRAY | SERIAL CABLE BY JEA |
| ES1/P11 | PANEL 6 | PANEL 3 | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |
| ES1/P12 | PANEL 6 | PANEL 3 | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |
| ES1/P13 | PANEL 6 | PANEL 5 | | CA605 | | | | 20 | TRAY | SERIAL CABLE BY JEA |
| ES1/P14 | PANEL 6 | PANEL 5 | | CA605 | | | | 20 | TRAY | SERIAL CABLE BY JEA |
| ES1/P19 | PANEL 6 | PANEL 23 | | CA605 | | | | 35 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| ES1/P20 | PANEL 6 | PANEL 24 | | CA605 | | | | 40 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| ES2/P10 | PANEL 6 | PANEL 22 | | CA605 | | | | 70 | TRAY | SERIAL CABLE BY JEA |
| ES2/P11 | PANEL 6 | PANEL 22 | | CA605 | | | | 70 | TRAY | SERIAL CABLE BY JEA |
| ES2/P12 | PANEL 6 | PANEL 22 | | CA605 | | | | 70 | TRAY | SERIAL CABLE BY JEA |
| ES2/P13 | PANEL 6 | PANEL 18 | | CA605 | | | | 50 | TRAY | SERIAL CABLE BY JEA |
| ES2/P14 | PANEL 6 | PANEL 18 | | CA605 | | | | 50 | TRAY | SERIAL CABLE BY JEA |
| ES2/P19 | PANEL 6 | PANEL 23 | | CA605 | | | | 35 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| ES2/P20 | PANEL 6 | PANEL 16 | | CA605 | | | | 45 | TRAY | SERIAL CABLE BY JEA |
| ES2/P21 | PANEL 6 | PANEL 20 | | CA605 | | | | 55 | TRAY | SERIAL CABLE BY JEA |
| ES2/P22 | PANEL 6 | PANEL 20 | | CA605 | | | | 55 | TRAY | SERIAL CABLE BY JEA |
| ES2/P23 | PANEL 6 | PANEL 16 | | CA605 | | | | 45 | TRAY | SERIAL CABLE BY JEA |
| ES2/P24 | PANEL 6 | PANEL 24 | | CA605 | | | | 40 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| RTU/90T1 | PANEL 6 | PANEL 16 | | CA605A | | | | 45 | TRAY | SERIAL CABLE BY JEA |
| RTU/90T2 | PANEL 6 | PANEL 20 | | CA605A | | | | 55 | TRAY | SERIAL CABLE BY JEA |
| RTU/ANN | PANEL 6 | PANEL 6 | | CA605 | | | | 10 | TRAY | SERIAL CABLE BY JEA |
| RTU/T1 | PANEL 6 | XFMR T1 | | C478A | | | | 255 | TRAY | SERIAL CABLE BY JEA |
| RTU/T2 | PANEL 6 | XFMR T2 | | C478A | | | | 375 | TRAY | SERIAL CABLE BY JEA |
| FO1/P6 | PANEL 6 | COMM RACK | | C808/C4 87A | | | | 30 | TRAY | FIBER OPTIC BY JEA |
| FO2/P6 | PANEL 6 | COMM RACK | | C808/C4 78A | | | | 30 | TRAY | FIBER OPTIC BY JEA |

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**CABLE SCHEDULE
DINSMORE SUBSTATION**

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| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNTH ckt ft | CONDUIT # | REMARKS |
|------------|----------|-----------|------|--------|----|-----|------|----------------|-----------|---|
| BU/COM1 | PANEL 23 | PANEL 23 | | C432 | | | | 15 | TRAY | ETHERNET CABLE |
| SPP/P2 | PANEL 6 | PANEL 23 | | CA605 | | | | 35 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| SOCC/BU1 | PANEL 23 | COMM RACK | | C432 | | | | 50 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| BUCC/BU1 | PANEL 23 | COMM RACK | | C432 | | | | 50 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| BUCAM/ETH1 | PANEL 23 | PANEL 23 | | CA605 | | | | 15 | TRAY | ETHERNET CABLE |
| BUCAM/ETH2 | PANEL 23 | PANEL 23 | | CA605 | | | | 15 | TRAY | ETHERNET CABLE |
| BUCAM/ETH3 | PANEL 23 | PANEL 24 | | CA605 | | | | 20 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| BUCAM/ETH4 | PANEL 23 | PANEL 24 | | CA605 | | | | 20 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| FRP/FO1 | PANEL 23 | COMM RACK | | C809 | | | | 50 | TRAY | FIBER CABLE (CABLE PROVIDED BY JEA SPCP) |
| FRP/FO2 | PANEL 23 | COMM RACK | | C809 | | | | 50 | TRAY | FIBER CABLE (CABLE PROVIDED BY JEA SPCP) |
| ION/423 | PANEL 23 | COMM RACK | | CA605R | | | | 50 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| ION/424 | PANEL 24 | COMM RACK | | CA605R | | | | 55 | TRAY | ETHERNET CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| FO1/P2 | PANEL 2 | COMM RACK | | C808 | | | | 20 | TRAY | FIBER OPTIC BY JEA |
| FO2/P2 | PANEL 2 | COMM RACK | | C808 | | | | 20 | TRAY | FIBER OPTIC BY JEA |
| FO3/P2 | PANEL 2 | COMM RACK | | C808 | | | | 20 | TRAY | FIBER OPTIC BY JEA |
| FO4/P2 | PANEL 2 | COMM RACK | | C808 | | | | 20 | TRAY | FIBER OPTIC BY JEA |
| FO1/P4 | PANEL 4 | COMM RACK | | C808 | | | | 25 | TRAY | FIBER OPTIC BY JEA |
| FO2/P4 | PANEL 4 | COMM RACK | | C808 | | | | 25 | TRAY | FIBER OPTIC BY JEA |
| FO3/P4 | PANEL 4 | COMM RACK | | C808 | | | | 20 | TRAY | FIBER OPTIC BY JEA |
| FO4/P4 | PANEL 4 | COMM RACK | | C808 | | | | 20 | TRAY | FIBER OPTIC BY JEA |
| DFR | PANEL 6 | COMM RACK | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |
| ESDFR/P1 | PANEL 6 | PANEL 6 | | CA605 | | | | 10 | TRAY | SERIAL CABLE BY JEA |
| ESDFR/P2 | PANEL 6 | PANEL 4 | | CA605 | | | | 25 | TRAY | SERIAL CABLE BY JEA |
| ESDFR/P3 | PANEL 6 | PANEL 2 | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |

**ISSUED FOR QUOTE -
NOT FOR CONSTRUCTION**

**CABLE SCHEDULE
DINSMORE SUBSTATION**

PAGE.: 25 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------------|----------|-------------|------|-------|----|-----|------|-----------------|-----------|---|
| ESDFR/P4 | PANEL 6 | PANEL 23 | | CA605 | | | | 35 | TRAY | ETHERNET CABLE (CABLE PROVIDED BY JEA SPCP) |
| ESDFR/P5 | PANEL 6 | PANEL 24 | | CA605 | | | | 40 | TRAY | ETHERNET CABLE (CABLE PROVIDED BY JEA SPCP) |
| DTT-423/F01 | PANEL 18 | COMM RACK | | C809 | | | | 40 | TRAY | FIBER CABLE (CABLE PROVIDED BY JEA SPCP) |
| DTT-424/F01 | PANEL 18 | COMM RACK | | C809 | | | | 40 | TRAY | FIBER CABLE (CABLE PROVIDED BY JEA SPCP) |
| ESDFR/P10 | PANEL 6 | PANEL 6 | | CA605 | | | | 30 | TRAY | SERIAL CABLE BY JEA |
| 2407 | PANEL 6 | GPS ANTENNA | | C960 | | | | 50 | TRAY | COAX CABLE BY JEA |
| RTU | PANEL 6 | PANEL 6 | | C972 | | | | 10 | TRAY | COAX CABLE BY JEA |
| DFR | PANEL 6 | PANEL 6 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |
| DFR | PANEL 6 | PANEL 4 | | C953 | | | | 25 | TRAY | COAX CABLE BY JEA |
| DFR | PANEL 4 | PANEL 2 | | C953 | | | | 25 | TRAY | COAX CABLE BY JEA |
| DFRIRIG/P2P23 | PANEL 2 | PANEL 23 | | C953 | | | | 45 | TRAY | COAX CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| DFRIRIG/P23P24 | PANEL 23 | PANEL 24 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| RLY | PANEL 6 | PANEL 4 | | C953 | | | | 25 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 4 | PANEL 2 | | C953 | | | | 25 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 6 | PANEL 5 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 5 | PANEL 5 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 5 | PANEL 4 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 4 | PANEL 3 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 3 | PANEL 3 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 3 | PANEL 2 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLYIRIG/P2P23 | PANEL 2 | PANEL 23 | | C953 | | | | 45 | TRAY | COAX CABLE BY JEA (CABLE PROVIDED BY JEA SPCP) |
| RLY | PANEL 6 | PANEL 15 | | C953 | | | | 40 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 15 | PANEL 16 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 16 | PANEL 16 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 16 | PANEL 17 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 17 | PANEL 19 | | C953 | | | | 25 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 19 | PANEL 20 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 6 | PANEL 15 | | C953 | | | | 40 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 15 | PANEL 18 | | C953 | | | | 25 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 18 | PANEL 18 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |

**ISSUED FOR QUOTE -
NOT FOR CONSTRUCTION**

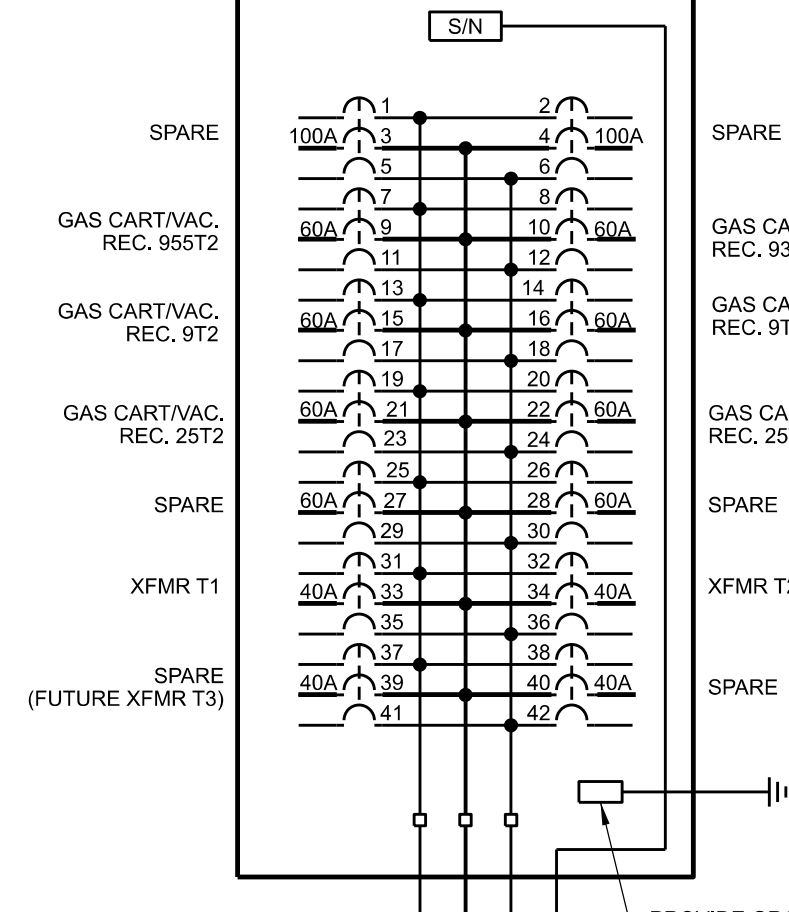
**CABLE SCHEDULE
DINSMORE SUBSTATION**

PAGE.: 26 OF 26

| CABLE # | FROM | TO | VOLT | SIZE | #C | S/M | TYPE | LNGTH ckt ft | CONDUIT # | REMARKS |
|----------------|-------------|-----------|-------------|-------------|-----------|------------|-------------|-------------------------|------------------|-------------------|
| RLY | PANEL 18 | PANEL 19 | | C953 | | | | 20 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 19 | PANEL 22 | | C953 | | | | 30 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 20 | PANEL 20 | | C953 | | | | 30 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 20 | PANEL 21 | | C953 | | | | 30 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 22 | PANEL 22 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |
| RLY | PANEL 22 | PANEL 22 | | C953 | | | | 10 | TRAY | COAX CABLE BY JEA |

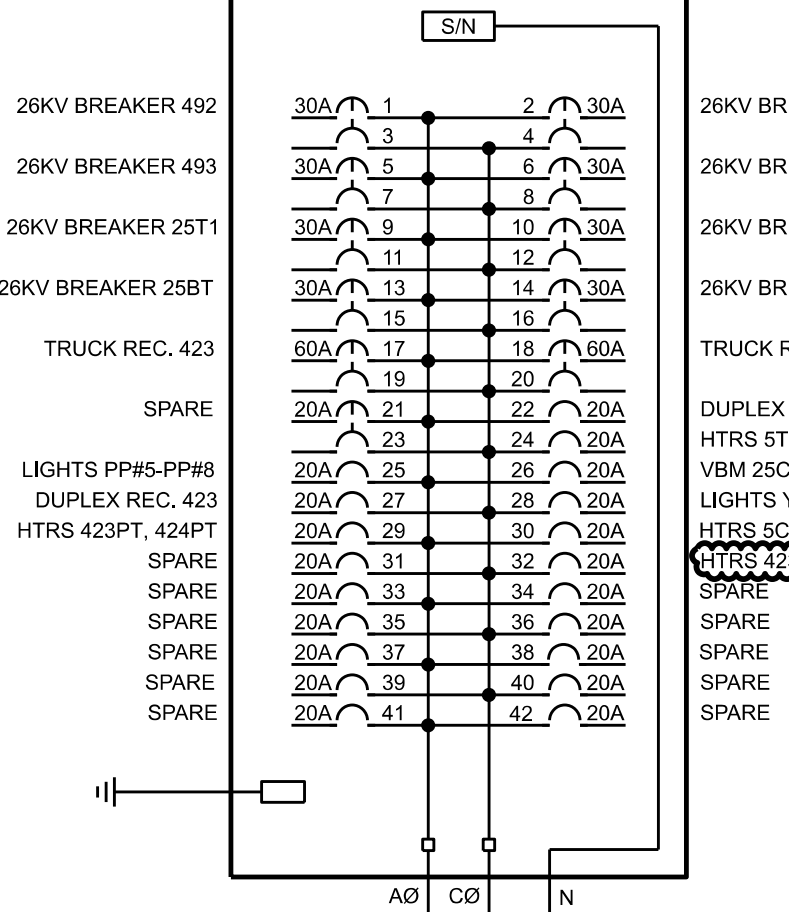
AC YARD PANEL - THREE PHASE
(5YP2-3P)

3Ø, 4 WIRE, 240/120V, 225A, SOLID NEUTRAL SURFACE MOUNTED, EATON POW-R-LINE 1a PANELBOARD WITH 42 SINGLE POLE BRANCHES EQUIPPED WITH EATON TYPE QBHW BREAKERS AS SHOWN AND NEMA 3R STAINLESS STEEL ENCLOSURE WITH LOCKABLE PIANO HINGED DOOR.



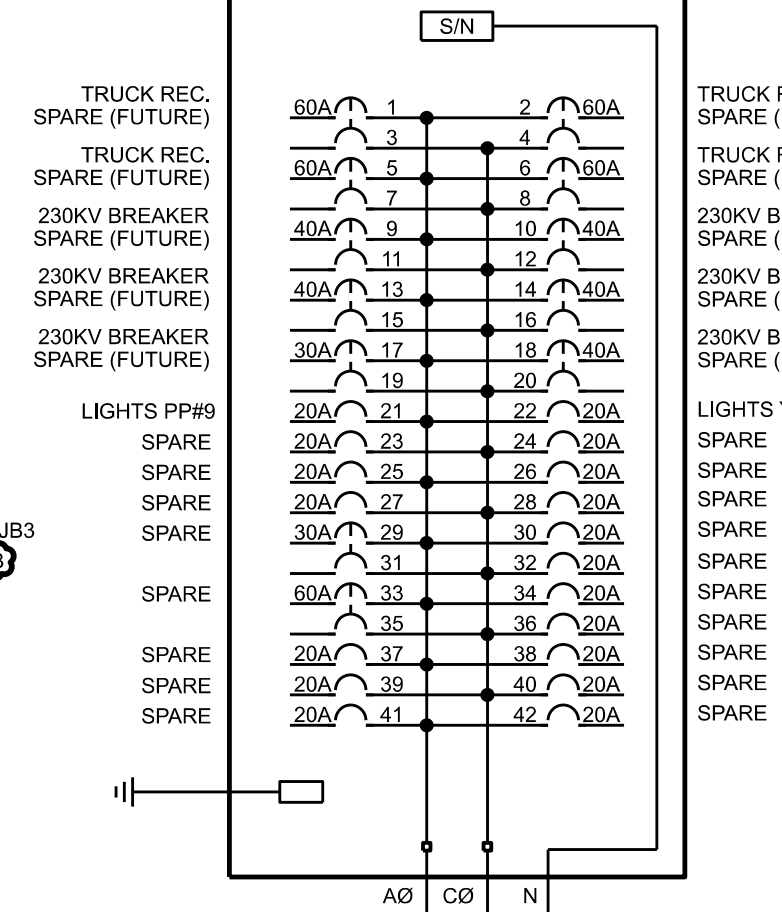
AC YARD PANEL - SINGLE PHASE
(5YP1-1P)

1Ø, 3 WIRE, 240/120V, 225A, SOLID NEUTRAL SURFACE MOUNTED, EATON POW-R-LINE 1a PANELBOARD WITH 42 SINGLE POLE BRANCHES EQUIPPED WITH EATON TYPE QBHW BREAKERS AS SHOWN AND NEMA 3R STAINLESS STEEL ENCLOSURE WITH LOCKABLE PIANO HINGED DOOR.



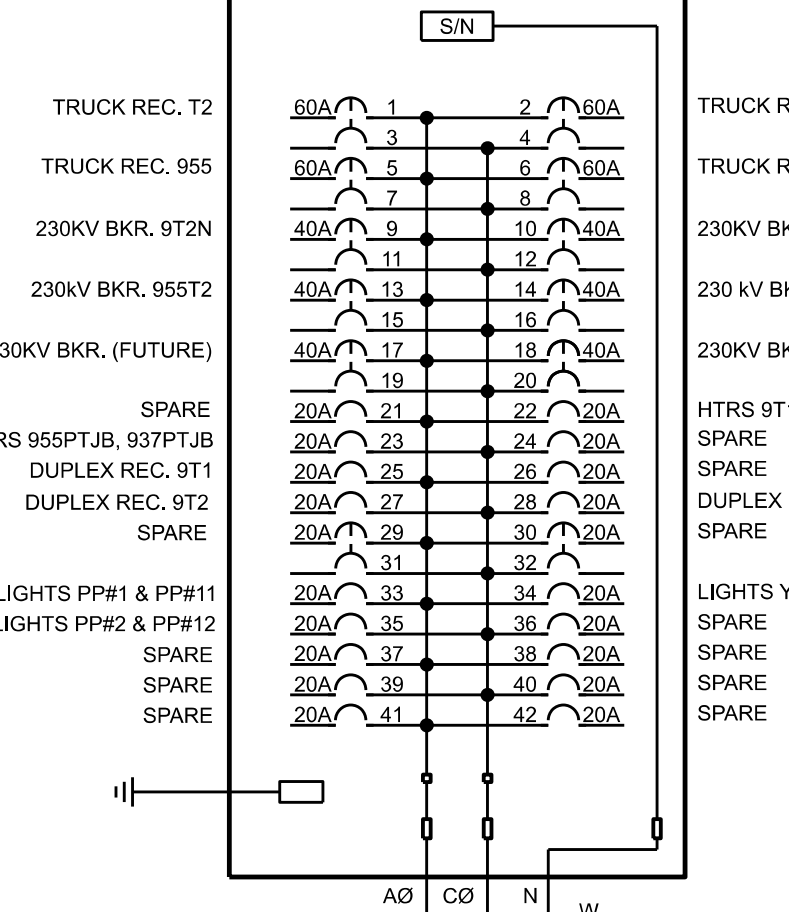
AC YARD PANEL SINGLE PHASE
(1YP2-1P)

1Ø, 3 WIRE, 240/120V, 225A, SOLID NEUTRAL SURFACE MOUNTED, EATON POW-R-LINE 1a PANELBOARD WITH 42 SINGLE POLE BRANCHES EQUIPPED WITH EATON TYPE QBHW BREAKERS AS SHOWN AND NEMA 3R STAINLESS STEEL ENCLOSURE WITH LOCKABLE PIANO HINGED DOOR.

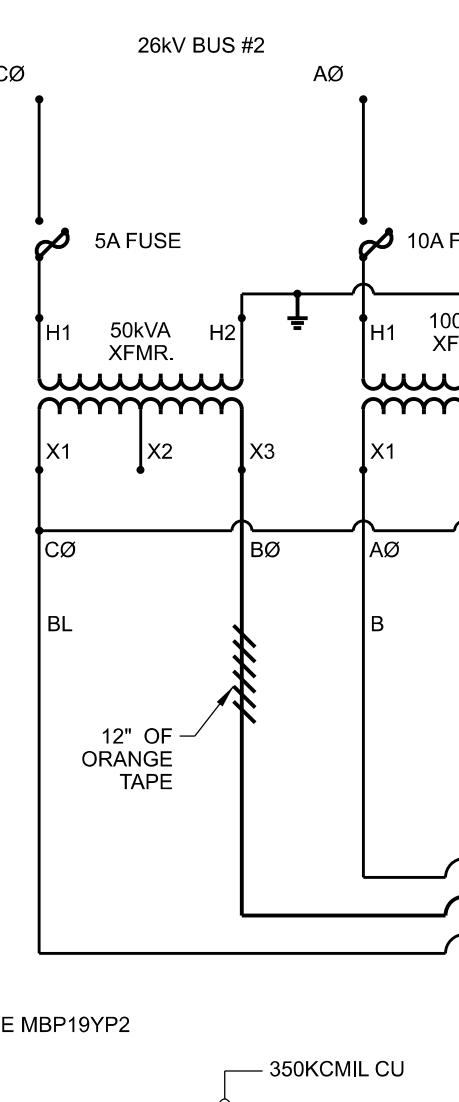


AC YARD PANEL SINGLE PHASE
(1YP1-1P)

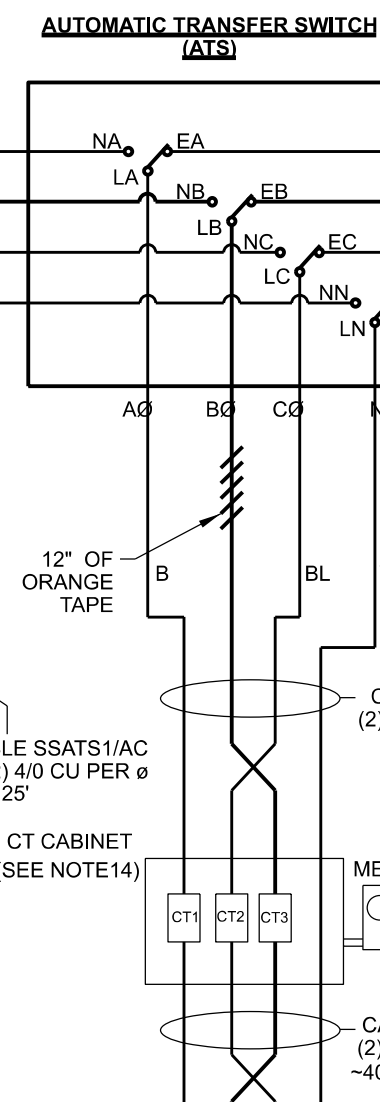
1Ø, 3 WIRE, 240/120V, 225A, SOLID NEUTRAL SURFACE MOUNTED, EATON POW-R-LINE 1a PANELBOARD WITH 42 SINGLE POLE BRANCHES EQUIPPED WITH EATON TYPE QBHW BREAKERS AS SHOWN AND NEMA 3R STAINLESS STEEL ENCLOSURE WITH LOCKABLE PIANO HINGED DOOR.



STATION SERVICE TRANSFORMER - 27kV BUS 2
(EMERGENCY SOURCE)

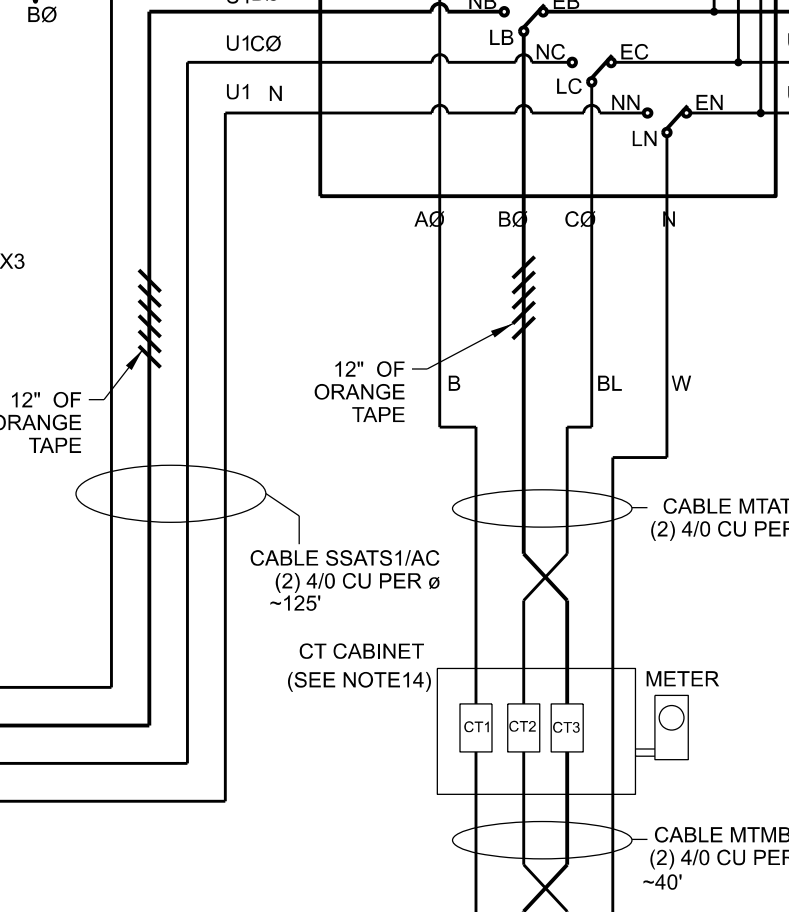


STATION SERVICE TRANSFORMER - 27kV BUS 1
(NORMAL SOURCE)



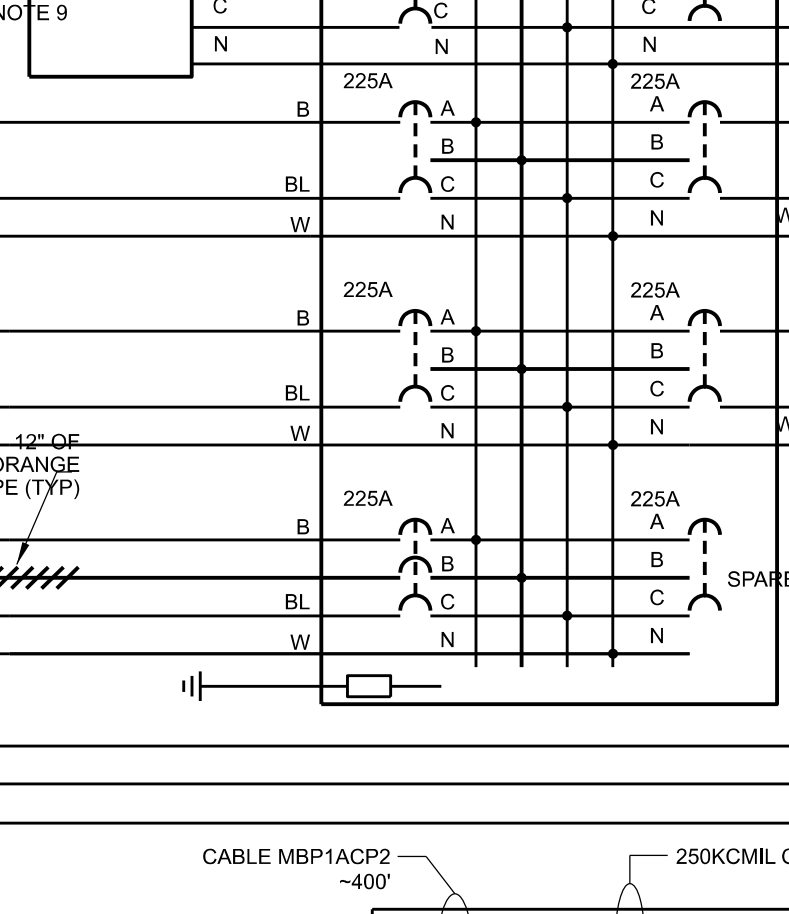
AC SERVICE PANEL (MBP1-3P)

3Ø, 4 WIRE, 240/120V, 400A, SOLID NEUTRAL SURFACE MOUNTED, EATON POW-R-LINE 4 PANELBOARD WITH 400A 100% RATED TYPE CBO MAIN AND 24 SINGLE POLE BRANCHES EQUIPPED WITH EATON TYPE EDB BREAKERS AS SHOWN AND NEMA 3R STAINLESS STEEL ENCLOSURE WITH LOCKABLE COVER AND/OR DOOR.



AC SERVICE PANEL (MBP1-3P)

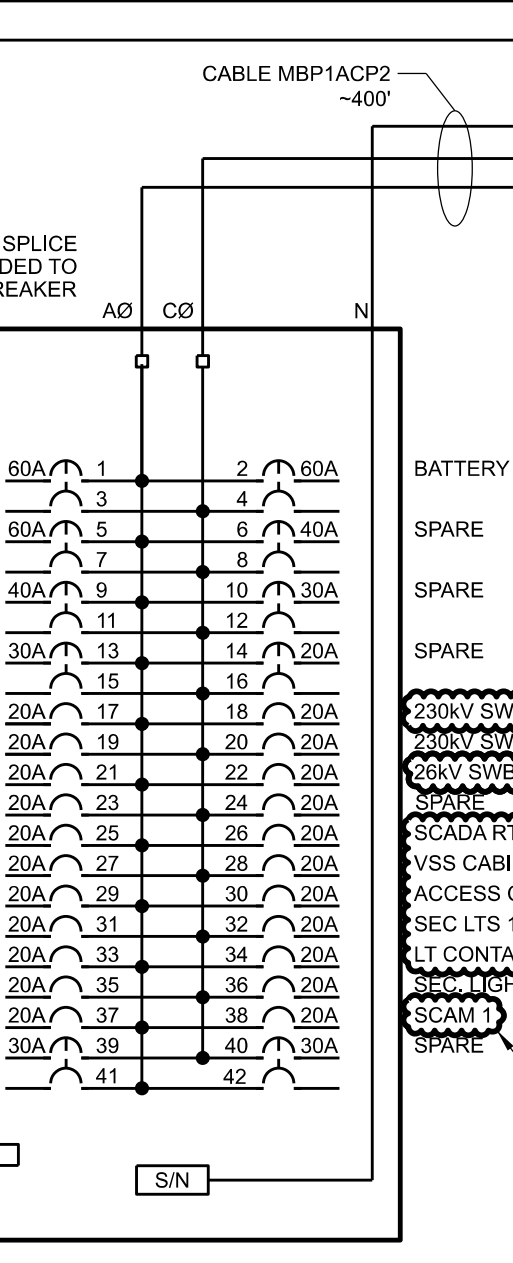
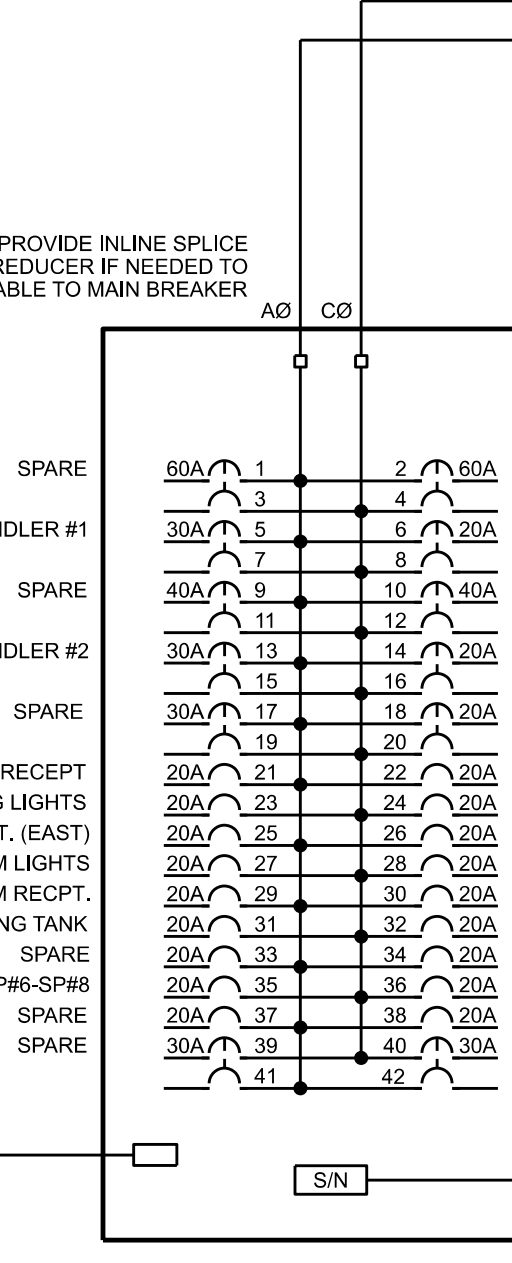
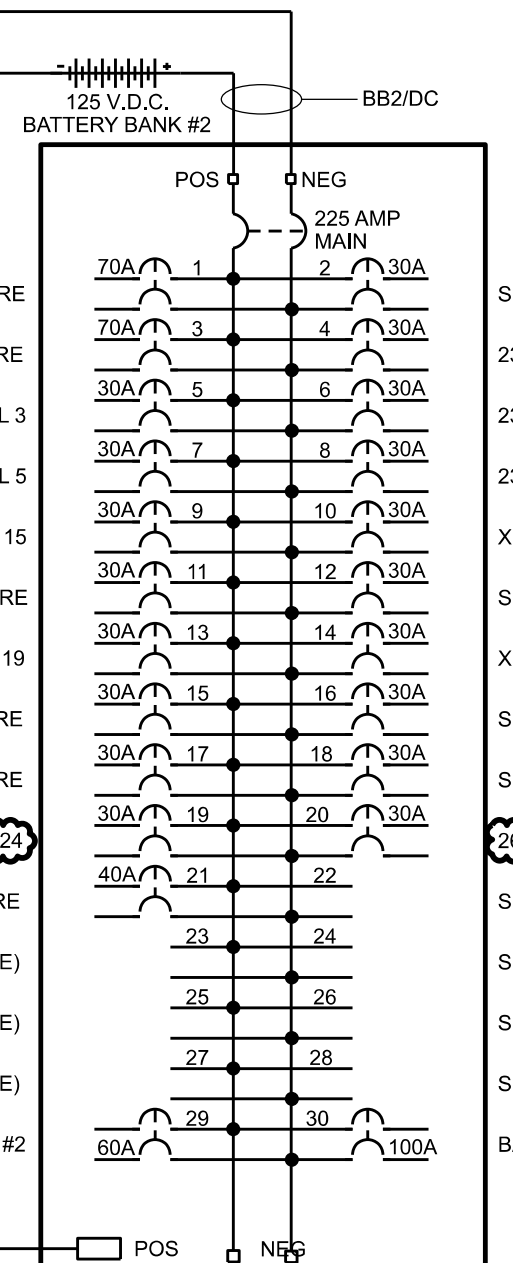
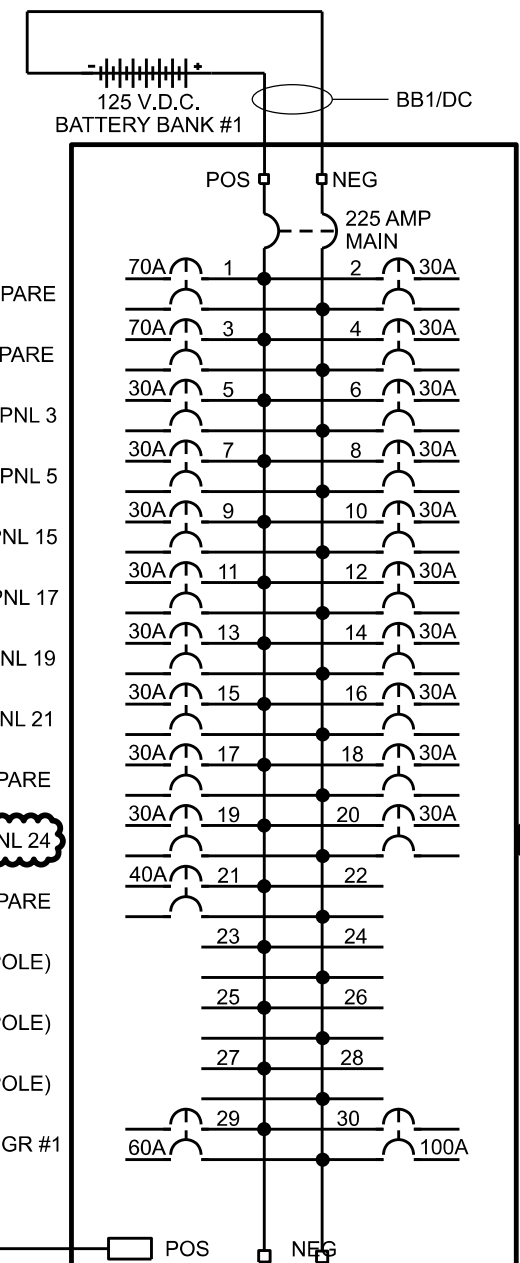
3Ø, 4 WIRE, 240/120V, 400A, SOLID NEUTRAL SURFACE MOUNTED, EATON POW-R-LINE 4 PANELBOARD WITH 400A 100% RATED TYPE CBO MAIN AND 24 SINGLE POLE BRANCHES EQUIPPED WITH EATON TYPE EDB BREAKERS AS SHOWN AND NEMA 3R STAINLESS STEEL ENCLOSURE WITH LOCKABLE COVER AND/OR DOOR.



MAXIMUM AC LOADINGS FOR PANELS ARE CALCULATED/ASSUMED AS FOLLOWS:

- 1a INDOOR CONTROL HOUSE PANELS:
- 2A @ 120V PER INTERIOR/EXTERIOR CONTROL HOUSE LIGHT AND EXHAUST FAN
 - 1A @ 120V PER IRRIGATION CONTROLLER, AND ENTIRE SMOKE DET. CIRCUIT
 - 1.5A @ 120V PER DUPLEX RECEPTACLE
 - 5A @ 120V PER SCADA RTU AND SECURITY/COMM. RACK
 - 6A @ 120V PER DOSING TANK 0.5HP MOTOR
 - 13A @ 240V PER A/C CONDENSER
 - 22A @ 240V PER AIR HANDLER, HEAT STRIPS AND BLOWER
 - 5A @ 120V FOR EACH RELAY PANEL CIRCUIT (3 PANELS)
 - 36A @ 240V PER BATTERY CHARGER
 - 60A @ 240V PER OUTDOOR TRUCK REC.
 - 1.25A @ 240V PER SECURITY LIGHT POLE (2 LIGHTS, 150W EACH)
- 1b OUTDOOR YARD PANELS:
- 1A @ 120V PER 100W JUNCTION BOX HEATER
 - 1.5A @ 120V PER DUPLEX RECEPTACLE
 - 0.35A @ 120V PER 40W YARD LIGHT
 - 3A @ 120V PER VBM AND PER MOTOR SWITCH
 - 10A @ 240V PER 26KV BREAKER
 - 15A @ 240V PER 230KV BREAKER
 - 60A @ 240V, ONCE PER PANEL, FOR TRUCK REC.
- 3a OUTDOOR YARD PANELS:
- 15A @ 240V PER POWER TRANSFORMER
 - 10A, 3a @ 240V FOR ENTRANCE GATE MOTOR, NON-SIMULTANEOUS OPERATION
 - 12A, 3a @ 240V, PER TRANSFORMER, FOR FANS (4000W)
 - 120A 3a @ 240V, FOR GAS CART/VAC. REC., ALLOWS FOR 2 OF EACH (30A EA)

- LOADS ARE FURTHER ANALYZED BY THE FOLLOWING:
- FOR ADJUSTED MAXIMUM PANEL LOADING:
- ONLY (2) 230KV BREAKERS PER PANEL TRIP SIMULTANEOUSLY;
 - (2) PER PANEL @ 11A, REMAINDER @ 4A
 - ONLY (1) 26KV BREAKER PER PANEL TRIP SIMULTANEOUSLY;
 - (1) PER PANEL @ 5A, REMAINDER @ 2A
 - ONLY 60A TOTAL PER PANEL FOR TRUCK REC., REGARDLESS OF NUMBER.
- FOR ADJUSTED MAXIMUM STATION SERVICE TRANSFORMER BANK LOADING:
- ONLY 60A FOR STATION FOR ALL TRUCK REC.
 - ONLY 110A, 3a, FOR STATION FOR ALL GAS CART (25A)VAC, (30A) REC.
 - 50% DEMAND FACTOR FOR ALL CONNECTED LOADS
- CABLE AMPACITY DETERMINED FOR THWN CONDUCTOR @ 75°C
- VOLTAGE DROP NOT TO EXCEED 5%



- NOTES
- THE STATION SERVICE TRANSFORMERS WILL BE FURNISHED BY JEA AND SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL ORDER THE TRANSFORMERS THROUGH THE PROJECT REPRESENTATIVE TWO WEEKS IN ADVANCE OF NEED, AND TRANSPORT THE TRANSFORMERS TO THE JOB SITE FROM A LOCATION WITHIN JACKSONVILLE TO BE SPECIFIED BY THE PROJECT REPRESENTATIVE.
 - THE AUTOMATIC TRANSFER SWITCH WILL BE FURNISHED BY JEA AND SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL ORDER THE TRANSFER SWITCH THROUGH THE PROJECT REPRESENTATIVE TWO WEEKS IN ADVANCE OF NEED, AND TRANSPORT THE TRANSFORMERS TO THE JOB SITE FROM A LOCATION WITHIN JACKSONVILLE TO BE SPECIFIED BY THE PROJECT REPRESENTATIVE.
 - THE CONTRACTOR SHALL DETERMINE THE "HIGH LEG" OF THE THREE PHASE STATION SERVICE AND MARK WITH TWELVE (12) INCHES OF ORANGE TAPE AT ALL TERMINATION POINTS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO 120 VOLT CIRCUITS ARE CONNECTED TO THE "HIGH LEG".
 - THE CONTRACTOR SHALL FURNISH AND INSTALL ALL AC AND DC STATION SERVICE PANELS WITH BREAKERS. ENCLOSURES SHALL BE NEMA 3R STAINLESS STEEL OUTDOOR, AND NEMA 1 INDOOR, HINGED COVER, AND HARDWARE TO COMPLETE THE INSTALLATION DEPICTED. PANEL BREAKERS SHALL BE BOLT-ON TYPE AND POSITIONED AND RATED IN ACCORDANCE WITH THIS DRAWING. PANELS SHALL HAVE 75°C LUGS.
 - AVAILABLE FAULT CURRENT FROM 100/50KVA STATION SERVICE BANK IS 23,000A (REDUCES TO 18,000A AT ATS). CONTRACTOR TO SUPPLY MBP1-3P WITH 22KAIC BREAKERS MINIMUM. FOR ALL OTHER PANELS, CONTRACTOR TO FURNISH AND INSTALL 14KAIC BREAKERS MINIMUM. SUFFICIENT SECONDARY IMPEDANCE HAS BEEN INSTALLED DOWNSTREAM OF MBP1-3P TO LIMIT AVAILABLE FAULT CURRENT TO LESS THAN 14,000A.
 - SUPPORT BRACKETS FOR THE YARD PANELS, THE ATS AND THE MAIN BREAKER PANEL HAVE BEEN PROVIDED ON THE APPROPRIATE STRUCTURES. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY HARDWARE SUPPORT CHANNELS/FITTINGS NECESSARY FOR FASTENING THE PANELS TO THE STRUCTURE SUPPORT BRACKETS AS NEEDED.
 - THE CONTRACTOR SHALL LABEL THE BRANCH BREAKERS ACCORDING TO THE INSTRUCTIONS OF THE LABELING SUBSECTION OF SPECIFICATION SECTION IX.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL THE MAIN BREAKER PANEL IN ACCORDANCE WITH DRAWING 021.
 - CONTRACTOR TO FURNISH AND INSTALL TVSS, SURGE SUPPRESSION MODEL #SKL3AD1 WITH NEMA 3R STAINLESS STEEL ENCLOSURE, MOUNT ON BACK OF PANEL MBP1-3P AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - SIZE TVSS CIRCUIT BREAKER PER MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL PROVIDE TEMPORARY POWER.
 - AT THE TIME OF ORDER, THE CONTRACTOR SHALL PROVIDE THE MANUFACTURER WITH THE BUS CONFIGURATION FOR THE 1250VC POWER SUPPLY.
 - ADDITIONAL NOTES PERTAINING TO LOADING CALCULATIONS ARE AT THE BOTTOM LEFT CORNER OF THIS DRAWING.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL CT CABINET. THE OWNER WILL FURNISH THREE (3) CTs (ITEM# METCT001) AND ONE (1) METER SOCKET (ITEM# METSO007) AND THE CONTRACTOR SHALL INSTALL. CT#3 TO CONTAIN THE HIGH LEG (MARKED WITH ORANGE PHASING TAPE) AND BE THE RIGHT-MOST CT IN THE CT CABINET.

CONSTRUCTION NOTES:
1. CLOUDS LABELED "RECORD CHANGE" REFLECT AS-BUILT INFORMATION ONLY. CLOUDS WITHOUT LABELS OR LABELED "NEW WORK" INDICATE NEW INSTALLATIONS UNDER PROJECT SCOPE.

ISSUED FOR QUOTE
NOT FOR CONSTRUCTION



225 NORTH PEARL STREET
JACKSONVILLE, FLORIDA 32202



495 N KELLER ROAD, SUITE 300
MATLAND, FL 32751
WWW.BURNSMCD.COM

PROFESSIONAL ENGINEER'S SEAL

ORIGINALLY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF

PE: Brendan T. Murphy

LIC. NO.: 98687

STATE: FL

DATE:

| REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING |
|-----|----------|---------|---|-----|--------|---------------|
| 1 | 02/21/20 | 8003353 | RECORD DRAWING - REVISED BREAKER AND CABLE SIZES. | JJO | TRG | DATE 10/19/18 |
| 2A | 12/11/25 | 8009403 | METERING PANELS 23, 24, LV POWER FOR 423 AND 424 J.BOX ADDED - ISSUED FOR 80% REVIEW | JB | BTM | BY JPF |
| 2B | 02/06/26 | 8008403 | METERING PANELS 23, 24, LV POWER FOR 423 AND 424 J.BOX ADDED, CORRECTED DISCREPANCIES PER AS-BUILT CONDITIONS - ISSUED FOR 90% REVIEW | JB | BTM | REVIEW TRG |
| 2C | 02/27/26 | 8009403 | METERING PANELS 23, 24, LV POWER FOR 423 AND 424 J.BOX ADDED, CORRECTED DISCREPANCIES PER AS-BUILT CONDITIONS - ISSUED FOR QUOTE | JB | BTM | DRAFTING |
| - | - | - | - | - | - | DATE 10/19/18 |
| - | - | - | - | - | - | BY JLC |
| - | - | - | - | - | - | REVIEW JPF |

DINSMORE SUBSTATION INSTALLATION

LOW VOLTAGE DISTRIBUTION PLAN

DINSMORE SUBSTATION

SUBSTATION & TRANSMISSION ENGINEERING

DRAWING NAME:

DN2018-LV1.dgn

DRAWING SET:

DN2018

DRAWING #:

1160F116

SHEET #:

1 OF 1

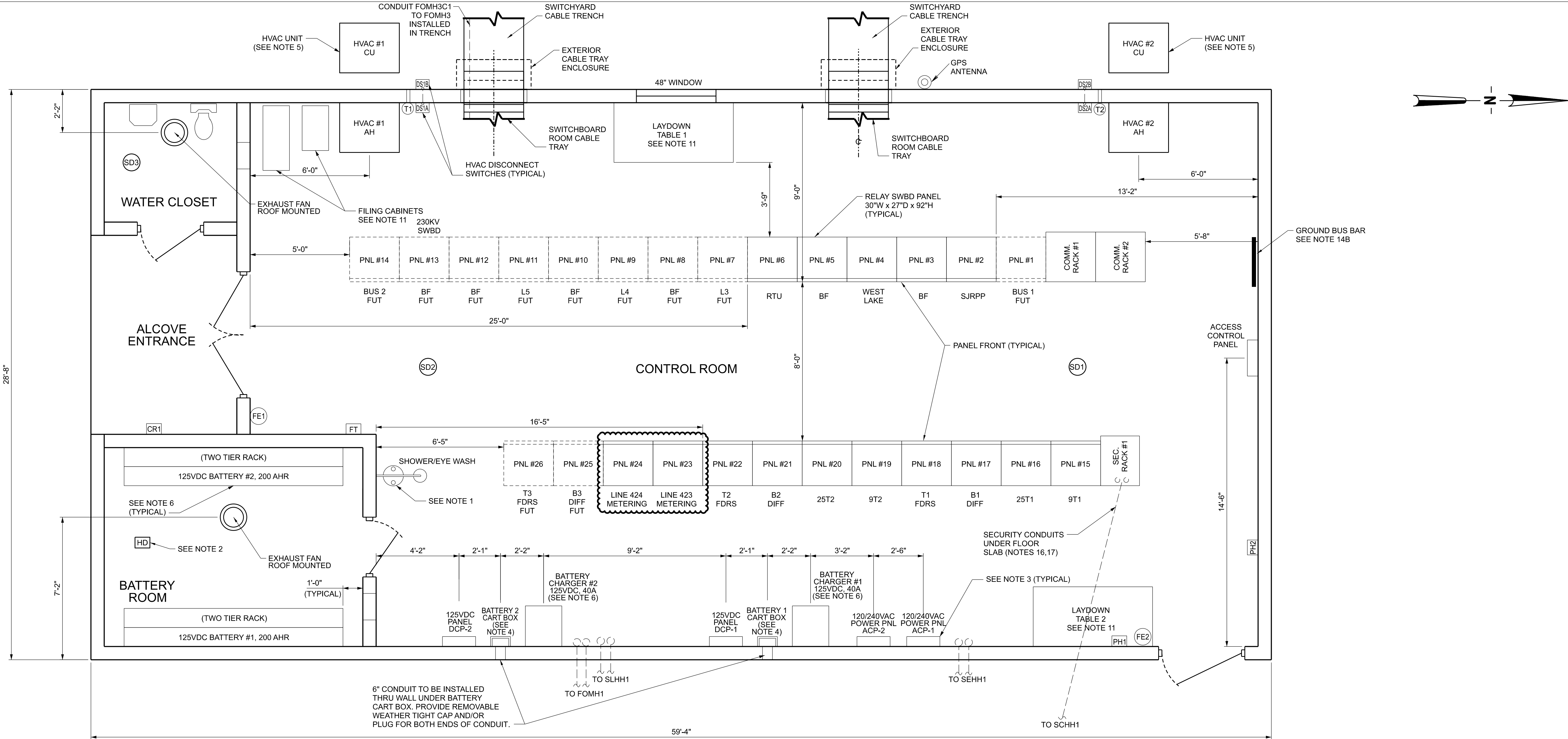
PROJ #:

8009403

SCALE:

NONE

JEA/PROJ-14 24"x36" DN2018-CE1 10/19/2018 24" x 36" 14-14



NOTES:

- CONTRACTOR SHALL FURNISH AND INSTALL COMBINATION SHOWER WITH EYE/FACE WASH UNIT (WALL MOUNTED), SPEAKMAN MODEL NO. SE-693-SSH. CONTRACTOR SHALL INSTALL FLOOR DRAIN DIRECTLY BELOW SHOWERHEAD.
- CONTRACTOR SHALL FURNISH AND INSTALL AN EXPLOSION PROOF HEAT DETECTOR, CHEMETRONICS MODEL# EPB 501 OR APPROVED EQUAL. HEAT DETECTOR SHOULD HAVE A N.O. CONTACT WITH RATE-OF-RISE AND FIXED TEMPERATURE DETECTION OF 136°F (58°C). N.O. CONTACT SHALL BE WIRED IN PARALLEL WITH OTHER FIRE DETECTION DEVICES AS DETAILED IN DWG CE4.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL AC AND DC STATION SERVICE POWER PANELS AT THE LOCATIONS SHOWN ON THIS DRAWING. THE TOP OF THE AC AND DC POWER PANELS SHALL BE MOUNTED 6'-6" ABOVE FINISHED FLOOR. THE AC AND DC POWER PANELS SHALL BE IN ACCORDANCE WITH DRAWING LV1 AND THE SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL THE BATTERY CART BOXES (QTY 2) IN ACCORDANCE WITH DETAIL F, DRAWING CE5. THE TOP OF THE BATTERY CART BOX SHALL BE 4'-0" ABOVE FINISHED FLOOR.
- CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) SPLIT UNIT HVAC UNITS, COMPLETE WITH THERMOSTAT AND DUCT WORK IN THE CONTROL ROOM. THE CONTRACTOR SHALL FURNISH AND INSTALL INTERIOR AND EXTERIOR HVAC DISCONNECT SWITCHES, SEE DETAIL J, DRAWING CE5. THE CONTRACTOR SHALL INSTALL ALL WALL PENETRATIONS REQUIRED FOR THESE AC UNITS. ONE (1) 2" CONDUIT FOR FREON LINE AND ONE (1) 2" CONDUIT FOR A DRAIN LINE, PER A/C UNIT, IN LOCATIONS AS SHOWN ON DWG. CH2.
- THE OWNER WILL FURNISH TWO (2), 125VDC BATTERIES, RACKS AND CHARGERS. PICKUP AND TRANSPORTATION TO THE SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL INSTALL THE BATTERY CHARGERS WITH ASSEMBLY AND INSTALLATION OF BATTERIES AND RACKS BY MANUFACTURER.
- THE OWNER WILL FURNISH THE 230KV AND 26KV SWITCHBOARD PANELS AND SCADA RTU CABINET. THE RELAY PANELS SHALL BE DELIVERED TO THE JOB SITE BY THE RELAY PANEL MANUFACTURER. CONTRACTOR SHALL UNLOAD THEM FROM THE TRUCK AND INSTALL THEM PER THESE PLANS AND DRAWINGS. INSTALLATION SHALL INCLUDE ANCHORING THE EQUIPMENT TO THE CONTROL BUILDING FLOOR AND CONNECTING THE PANELS/CABINETS TO THE CABLE TRAY GROUND CONDUCTOR.

- THE CARD READERS, SECURITY CAMERAS AND SECURITY PANELS WILL BE FURNISHED AND INSTALLED BY THE OWNER.
- THE COMMUNICATIONS AND NETWORK PANELS WILL BE FURNISHED AND INSTALLED BY THE OWNER.
- CONTRACTOR SHALL FURNISH AND INSTALL FIRE EXTINGUISHERS IN A LOCATION NOT TO EXCEED 5'-0" ABOVE FINISHED FLOOR, BOTTOM OF FIRE EXTINGUISHERS SHALL NOT BE LOWER THAN 6" ABOVE FINISHED FLOOR.
- THE CONTRACTOR SHALL FURNISH TWO (2) 3' x 6' LAYDOWN TABLES (HON UTM3672 QQCHR), ONE (1) 4 DRAWER LEGAL FILE CABINET (HON 370), AND TWO (2) VERTICAL DRAWING STORAGE CABINETS WITH HANGING CLAMPS (SAFCO 5041 WITH 50036), OR APPROVED EQUAL.
- NOT USED
- SCADA RTU FURNISHED BY JEA FOR TRANSPORTATION TO THE SITE. INSTALLATION AND CONNECTION BY THE CONTRACTOR. INSTALLATION SHALL INCLUDE ANCHORING THE EQUIPMENT TO THE CONTROL HOUSE FLOOR AND CONNECTING TO THE CABLE TRAY GROUND CONDUCTOR.

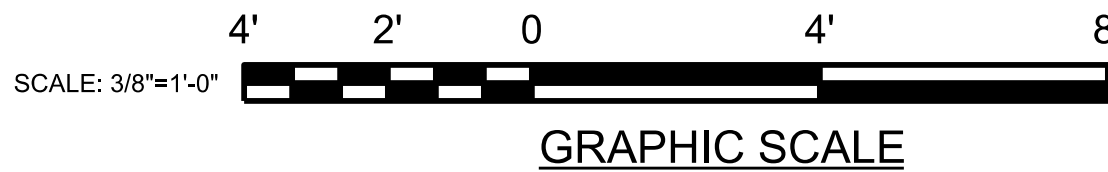
- COMMUNICATIONS/SECURITY EQUIPMENT:
 - COMMUNICATION RACKS, SECURITY RACKS AND UPS FURNISHED AND INSTALLED BY JEA.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL A GROUND BUS BAR NEAR THE COMMUNICATIONS EQUIPMENT, AS SHOWN. THIS GROUND BUS SHALL BE 4" X 30" X 1/4" COPPER BAR WITH CONNECTION TO THE CABLE TRAY GROUND AT A SINGLE POINT. GROUND BUS SHALL BE MOUNTED ON INSULATORS AT A HEIGHT OF 8'-0" ABOVE FINISHED FLOOR WITH DRILLING AND TAPPING AS DIRECTED BY JEA.
 - IN ADDITION TO WALL MOUNTED RECEPTACLES, THE CONTRACTOR SHALL FURNISH AND INSTALL TWIST-LOCK (HUBBELL, L5) DROP RECEPTACLES AT LOCATIONS INDICATED. FACE OF DROP RECEPTACLES SHALL BE HORIZONTAL AND AT 9'-2" ABOVE FINISHED FLOOR.
- JEA SHALL FURNISH AND INSTALL THREE (3) SMOKE DETECTORS, POTTER PAD100-PD WITH PAD100-6B BASE IN THE LOCATIONS SHOWN ON THIS DRAWING. MOUNT SMOKE DETECTOR ELECTRICAL BOX TO NEAREST UNOBSTRUCTED CEILING JOIST.
- CONTRACTOR TO FURNISH AND INSTALL FOUR (4) 2" SCH. 40 PVC CONDUITS FROM SECURITY MANHOLE SMH1 TO SECURITY RACKS 1 & THE SECURITY PANEL AS SHOWN ON THIS DRAWING. STUB UP THROUGH FLOOR IN LOCATION SHOWN.
- SEE CONDUIT PLAN AND CONDUIT DETAILS DRAWINGS FOR CONTINUATION OF CONDUIT RUNS.
- CONTRACTOR TO FURNISH AND INSTALL ALL EQUIPMENT AND MISCELLANEOUS MATERIALS UNLESS SPECIFIED OTHERWISE.
- CONTRACTOR TO PROVIDE A MINIMUM OF R-13 WALL INSULATION AND A MINIMUM OF R-38 ROOF/ATTIC INSULATION PER FLORIDA 2017 BUILDING CODE.
- CONTRACTOR TO UNLOAD PANELS FROM TRUCK AND INSTALL 26KV SWITCHBOARD PANEL #23 AND #24 AS SHOWN.



LEGEND:

- CR CARD READER (FURNISHED & INSTALLED BY JEA)
- DS HVAC ELECTRICAL DISCONNECT SWITCH
- FE FIRE EXTINGUISHER (SEE NOTE 10)
- SC SECURITY CAMERA (FURNISHED & INSTALLED BY JEA)
- SD SMOKE DETECTOR (FURNISHED & INSTALLED BY CONTRACTOR)
- T HVAC UNIT THERMOSTAT (FURNISHED & INSTALLED BY CONTRACTOR)
- HD EXPLOSION PROOF HEAT DETECTOR (FURNISHED & INSTALLED BY CONTRACTOR)
- CONDUITS PLACED IN SLAB/UNDERGROUND
- FT INTERMATIC FAN TIMER MODEL T1975 (FURNISHED AND INSTALLED BY CONTRACTOR)
- PH TELEPHONE (FURNISHED & INSTALLED BY JEA)

ISSUED FOR QUOTE

NOT FOR CONSTRUCTION



| <div> 225 NORTH PEARL STREET JACKSONVILLE, FLORIDA 32202</div> | CONSULTANT INFORMATION | | PROFESSIONAL ENGINEER'S SEAL | <table><tr><th>REV</th><th>DATE</th><th>PROJ #</th><th>REVISION DESCRIPTION</th><th>BY</th><th>REVIEW</th><th>ENGINEERING</th></tr><tr><td>1</td><td>04/15/19</td><td>8003353</td><td>REMOVED MISC. CONDUITS. ADDED CND. FOMH1C2.</td><td>JPF</td><td>JPF</td><td>DATE 10/19/18</td></tr><tr><td>2</td><td>06/06/19</td><td>8003353</td><td>REVISED LOCATION OF CABLE ENTRANCES, WINDOW, AND DESK.</td><td>JPF</td><td>JPF</td><td>BY JPF</td></tr><tr><td>3</td><td>02/21/20</td><td>8003353</td><td>RECORD DRAWING - REVISED TELEPHONE LOCATION AND NOTES.</td><td>JJO</td><td>TRG</td><td>REVIEW TRG</td></tr><tr><td>4A</td><td>12/11/25</td><td>8009403</td><td>ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW</td><td>JB</td><td>BTM</td><td>DRAFTING</td></tr><tr><td>4B</td><td>02/06/26</td><td>8009403</td><td>ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW</td><td>JB</td><td>BTM</td><td>DATE 10/19/18</td></tr><tr><td>4C</td><td>02/27/26</td><td>8009403</td><td>ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE</td><td>JB</td><td>BTM</td><td>BY JLC</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>REVIEW JPF</td></tr></table> | | | | | | | | | | REV | DATE | PROJ # | REVISION DESCRIPTION | BY | REVIEW | ENGINEERING | 1 | 04/15/19 | 8003353 | REMOVED MISC. CONDUITS. ADDED CND. FOMH1C2. | JPF | JPF | DATE 10/19/18 | 2 | 06/06/19 | 8003353 | REVISED LOCATION OF CABLE ENTRANCES, WINDOW, AND DESK. | JPF | JPF | BY JPF | 3 | 02/21/20 | 8003353 | RECORD DRAWING - REVISED TELEPHONE LOCATION AND NOTES. | JJO | TRG | REVIEW TRG | 4A | 12/11/25 | 8009403 | ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW | JB | BTM | DRAFTING | 4B | 02/06/26 | 8009403 | ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | DATE 10/19/18 | 4C | 02/27/26 | 8009403 | ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | BY JLC | - | - | - | - | - | - | REVIEW JPF | ORIGINALY PREPARED UNDER THE RESPONSIBLE SUPERVISION OF PE: <u>Brendan T. Murphy</u> LIC. NO.: <u>98687</u> STATE: <u>FL</u> DATE: _____ | | DINSMORE SUBSTATION INSTALLATION | | | | | | | | | |
|---|------------------------|---------|---|--|-----|---------------|-------------|--|--|--|--|--|---------------------------------|------------------------|------|--------|----------------------|----|--------|-------------|---|----------|---------|---|-----|-----|---------------|---|----------|---------|--|-----|-----|--------|---|----------|---------|--|-----|-----|------------|----|----------|---------|---|----|-----|----------|----|----------|---------|---|----|-----|---------------|----|----------|---------|--|----|-----|--------|---|---|---|---|---|---|------------|--|--|----------------------------------|--|--|--|--|--|--|--|--|--|
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| 1 | 04/15/19 | 8003353 | REMOVED MISC. CONDUITS. ADDED CND. FOMH1C2. | JPF | JPF | DATE 10/19/18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 06/06/19 | 8003353 | REVISED LOCATION OF CABLE ENTRANCES, WINDOW, AND DESK. | JPF | JPF | BY JPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 02/21/20 | 8003353 | RECORD DRAWING - REVISED TELEPHONE LOCATION AND NOTES. | JJO | TRG | REVIEW TRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4A | 12/11/25 | 8009403 | ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 60% REVIEW | JB | BTM | DRAFTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4B | 02/06/26 | 8009403 | ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR 90% REVIEW | JB | BTM | DATE 10/19/18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4C | 02/27/26 | 8009403 | ADDED METERING PANELS NO. 23 & 24 FOR NEW 27KV SOLAR INTERCONNECT FEEDERS - ISSUED FOR QUOTE | JB | BTM | BY JLC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | - | - | - | - | - | REVIEW JPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div> 495 N KELLER ROAD, SUITE 300 MAITLAND, FL 32751 WWW.BURNSMCD.COM</div> | ISSUED FOR QUOTE | | CONTROL BUILDING ELECTRICAL PLAN | | | | | | | | | | DRAWING NAME: DN2018-CE1.dgn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | DINSMORE SUBSTATION | | | | | | | | | | DRAWING SET: DN2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | SUBSTATION & TRANSMISSION ENGINEERING | | | | | | | | | | DRAWING #: 1070F116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | SCALE: AS SHOWN | | | | | | | | | | SHEET #: 1 OF 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | PROJ.#: 8009403 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |