

| REVISION HISTORY |     |                    |        |        |
|------------------|-----|--------------------|--------|--------|
| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
| -                | -   | -                  | -      | -      |

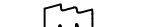
# ELECTRICAL SCHEMATICS

## SWOISH FARM GRAIN CONTROL

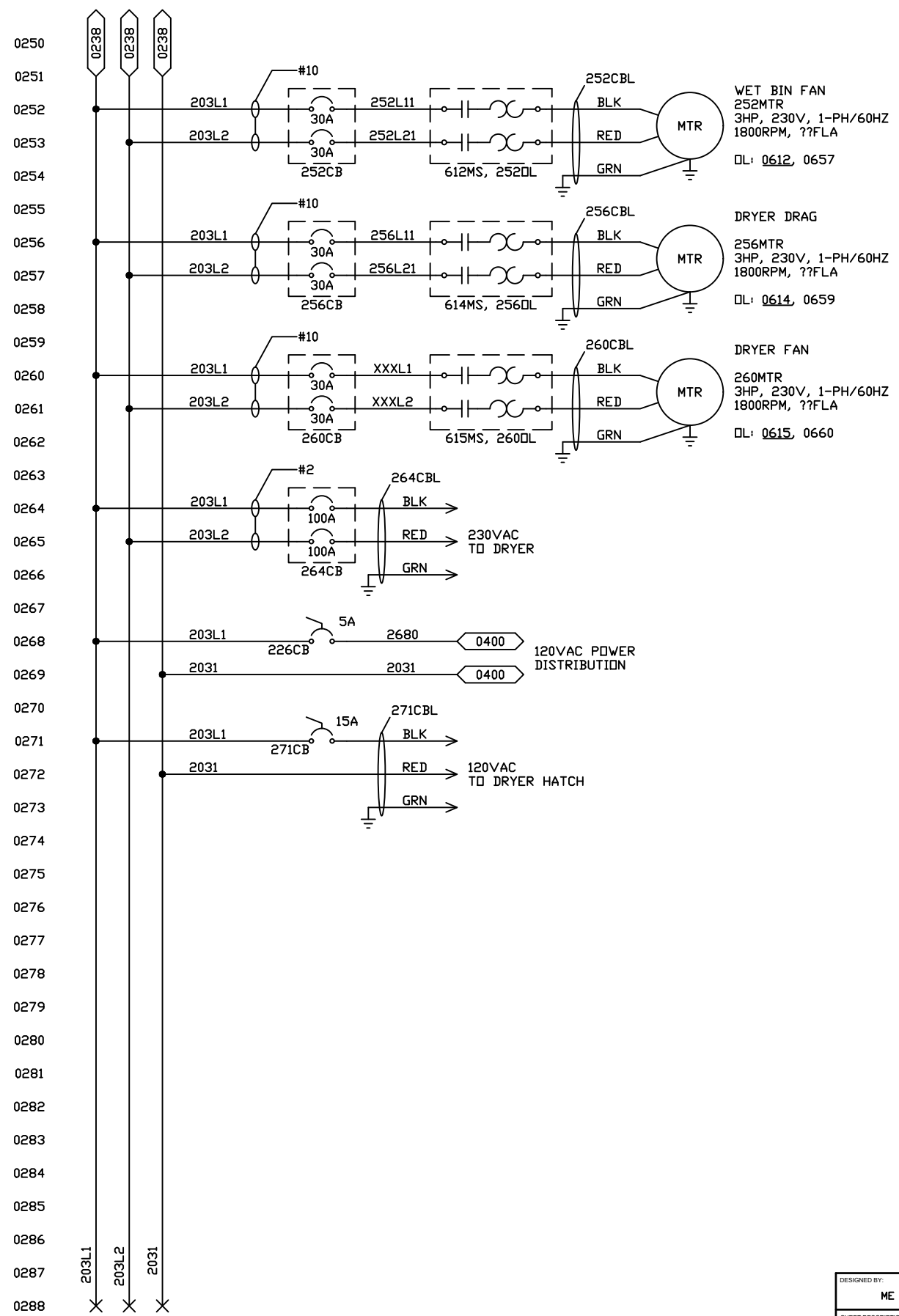
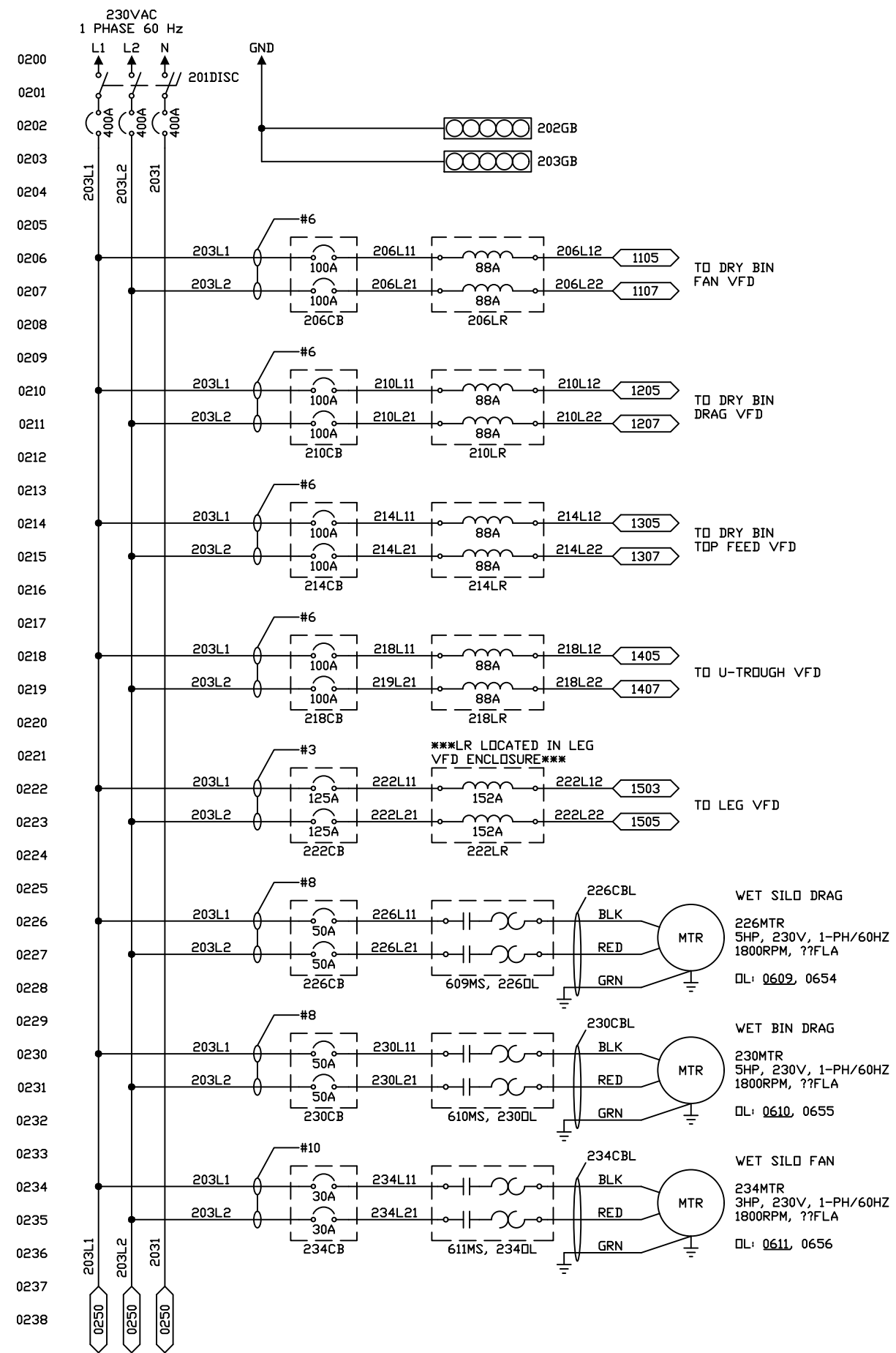
| SHT # | DESCRIPTION               | DWG #      |
|-------|---------------------------|------------|
| 00    | INDEX                     | ME21000E00 |
| 01    | SPARE                     | ME21000E01 |
| 02    | 230VAC POWER DISTRIBUTION | ME21000E02 |
| 03    | SPARE                     | ME21000E03 |
| 04    | 120VAC POWER DISTRIBUTION | ME21000E04 |
| 05    | 24VDC POWER DISTRIBUTION  | ME21000E05 |
| 06    | PLC, DI MODULE 1, 2       | ME21000E06 |
| 07    | SPARE                     | ME21000E07 |
| 08    | DO MODULE 1               | ME21000E08 |
| 09    | AI MODULE 1               | ME21000E09 |
| 10    | SPARE                     | ME21000E10 |
| 11    | DRY BIN FAN VFD           | ME21000E11 |
| 12    | DRY BIN DRAG VFD          | ME21000E12 |
| 13    | DRY BIN TOP FEED VFD      | ME21000E13 |
| 14    | U-TROUGH VFD              | ME21000E14 |
| 15    | LEG VFD                   | ME21000E15 |
| 16    | SPARE                     | ME21000E16 |
| 17    | SPARE                     | ME21000E17 |
| 18    | PANEL LAYOUT              | ME21000E18 |
| 19    | ENCLOSURE LAYOUT          | ME21000E19 |
| 20    | BILL OF MATERIALS         | ME21000E20 |

IF CONDUCTOR SIZE IS NOT NOTED, USE:


|                  |                  |
|------------------|------------------|
| > 150VAC         | #14 BLK THHN     |
| < 150VAC LINE    | #14 RED THHN     |
| < 150VAC NEUTRAL | #14 WHT THHN     |
| DC               | #18 BLU THHN     |
| DC COMMON        | #18 WHT/BLU THHN |

|  |  |                   |  |
|--|--|-------------------|--|
| DESIGNED BY:<br>ME                         |  | DATE:<br>20210828 | <br>MEYERS ELECTRIC LLC<br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br>SYSTEM LAYOUT        |  |                   |  |
| MACHINE NAME:<br>SWOISH FARM GRAIN CONTROL |  |                   |  |
| SHEET NUMBER:<br>01                        |  |                   | DRAWING NO:<br>ME21000E00  |
| TOTAL NO. SHEETS:<br>21                    |  |                   |  |

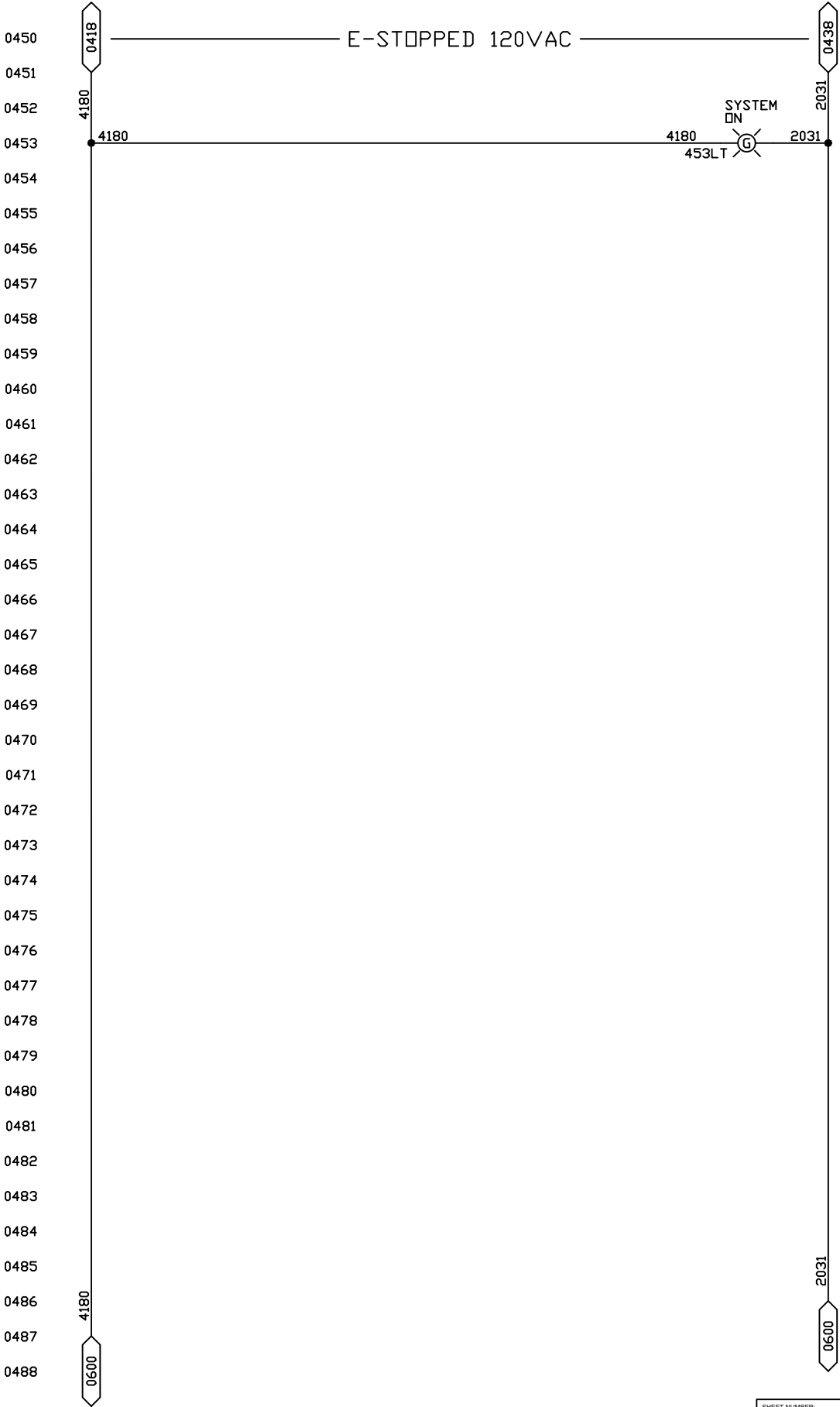
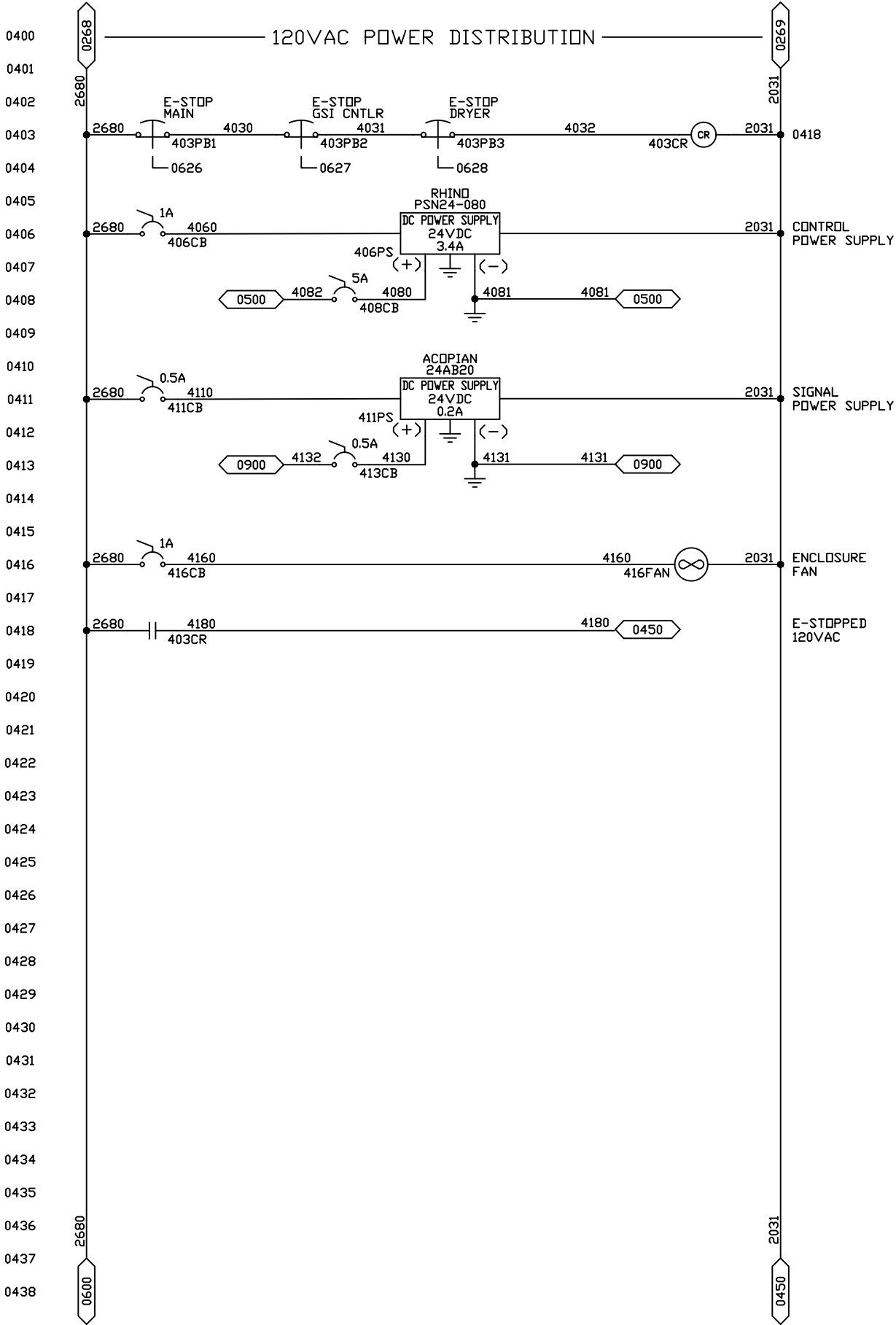
| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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| SHEET NUMBER:     | 02 |
| TOTAL NO. SHEETS: | 21 |


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|--|--------------------------|--|
| DESIGNED BY:<br><b>ME</b>                              | DATE:<br><b>20210828</b> | <br><b>MVERS ELECTRIC LLC</b><br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br><b>230VAC POWER DISTRIBUTION</b> |                          |  |
| MACHINE NAME:<br><b>SWOISH FARM GRAIN CONTROL</b>      |                          |  |
| DRAWING NO:<br><b>ME21000E02</b>                       |                          |  |

| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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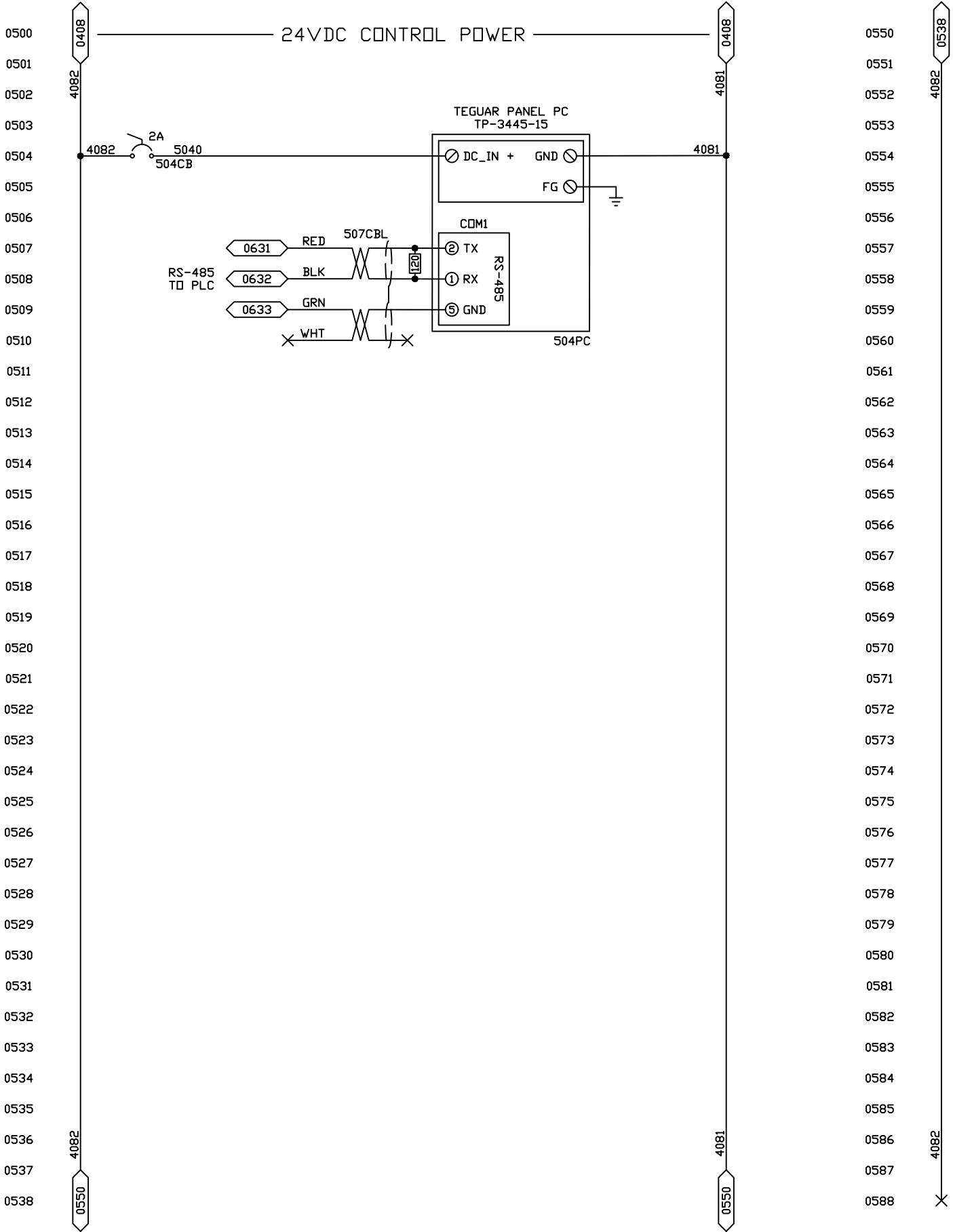


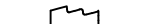
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| DESIGNED BY:              | ME | DATE:         | 20210828                  | <br>MEYERS ELECTRIC LLC<br>LAPEER, MICHIGAN 48446 |            |
| SHEET DESCRIPTION:        |    |               |                           |  |            |
| 120VAC POWER DISTRIBUTION |    |               |                           |  |            |
| SHEET NUMBER:             | 04 | MACHINE NAME: | SWDISH FARM GRAIN CONTROL | DRAWING NO:  | ME21000E04 |
| TOTAL NO. SHEETS:         | 21 |               |                           |  |            |

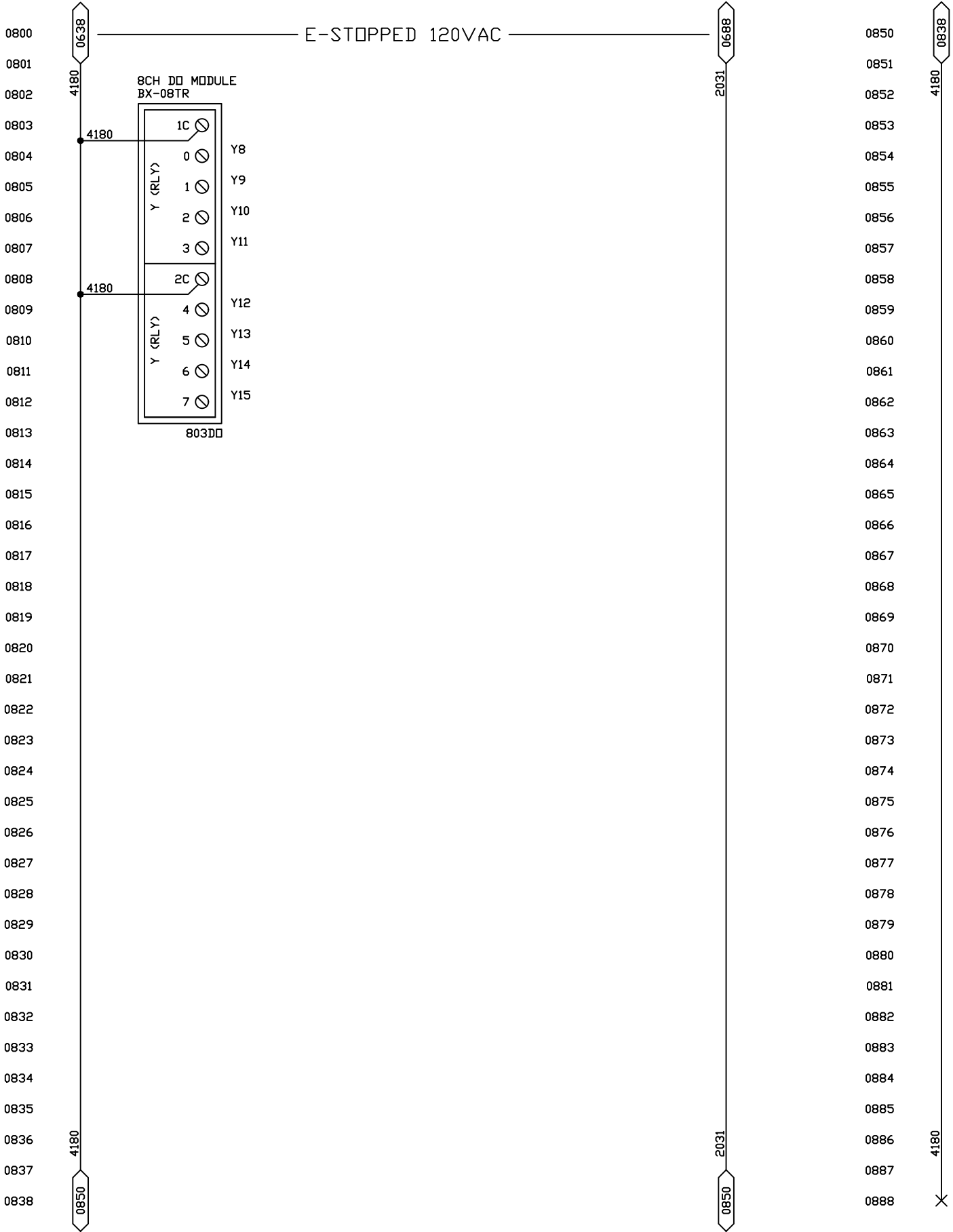
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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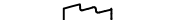
|                         |  |                   |  |
|-------------------------|--|-------------------|--|
| <div>✕</div>            | DESIGNED BY:<br>ME                             | DATE:<br>20210828 | <div><br/>MVERS ELECTRIC LLC<br/>LAPEER, MICHIGAN 48446</div> |
|                         | SHEET DESCRIPTION:<br>24VDC POWER DISTRIBUTION |                   |  |
| SHEET NUMBER:<br>05     | MACHINE NAME:<br>SWOISH FARM GRAIN CONTROL     |                   | DRAWING NO:<br>ME21000E05  |
| TOTAL NO. SHEETS:<br>21 |  |                   |  |



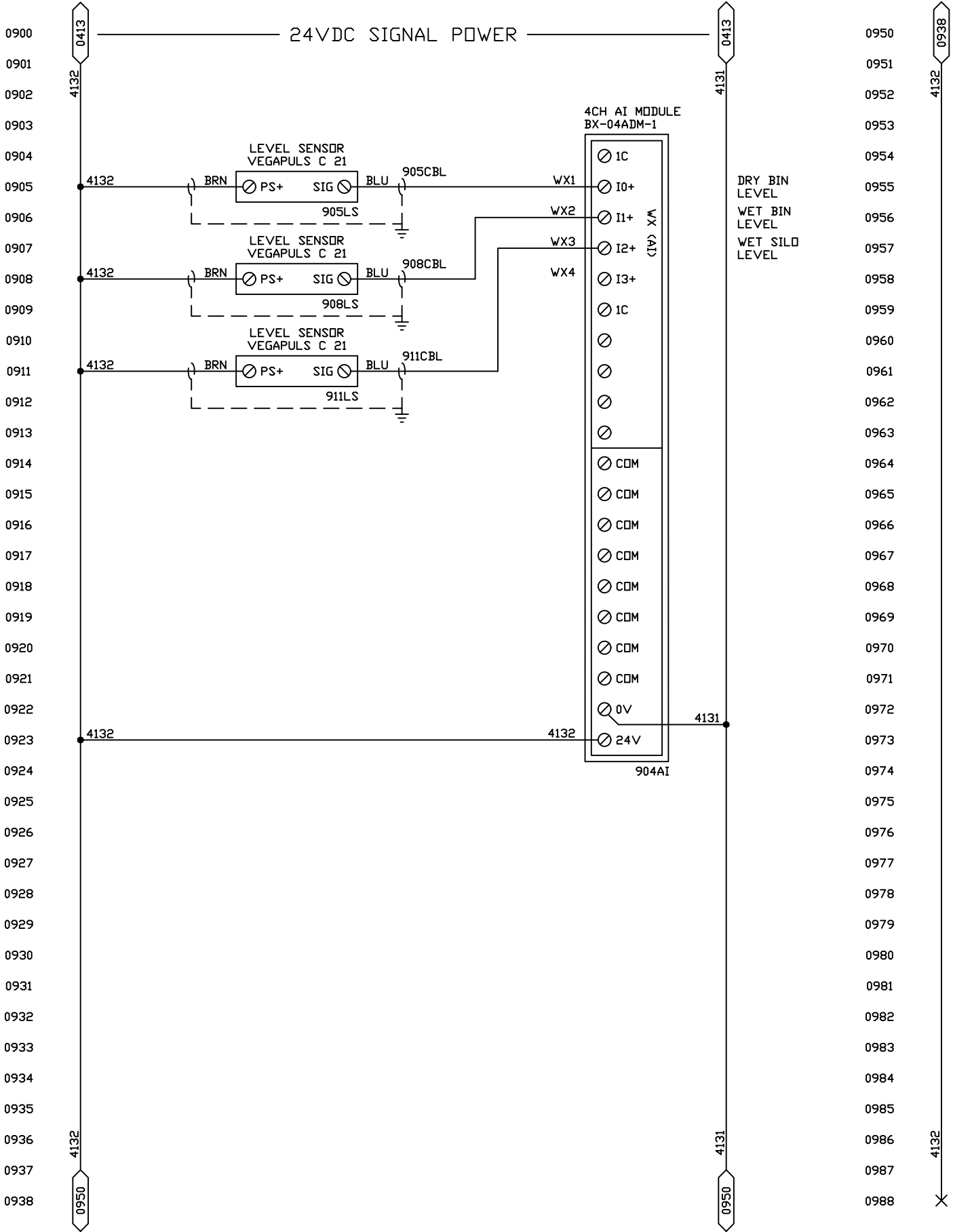
| REVISION HISTORY |     |                    |        |        |
|------------------|-----|--------------------|--------|--------|
| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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| SHEET NUMBER:     | 08 |
| TOTAL NO. SHEETS: | 21 |

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|---|-------------------|---|
| DESIGNED BY:<br>ME                            | DATE:<br>20210828 | <br><b>MEYERS ELECTRIC LLC</b><br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br>DO MODULE 1             |                   |   |
| MACHINE NAME:<br>SWDISH FARM<br>GRAIN CONTROL |                   | DRAWING NO:<br>ME21000E08   |

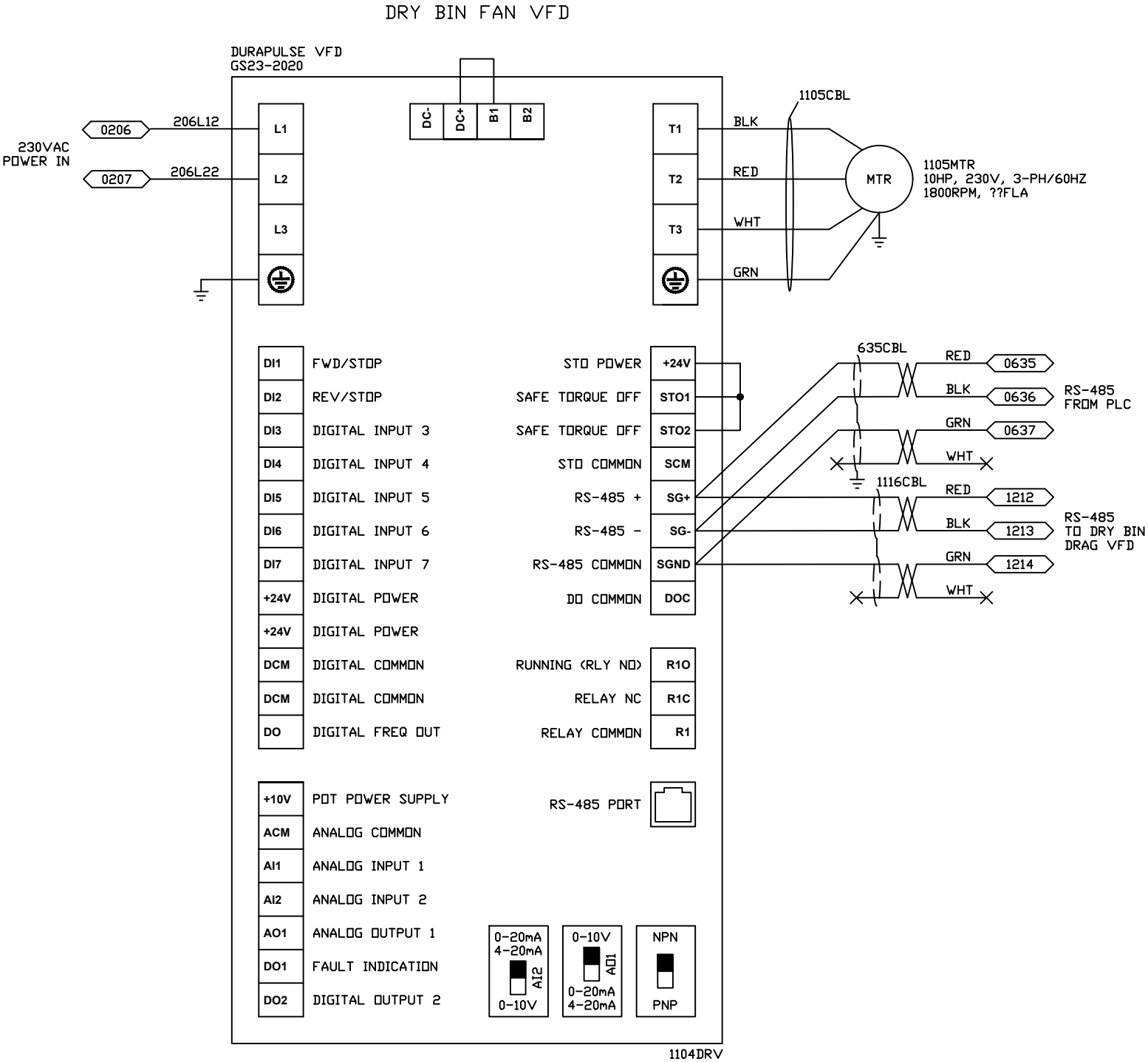
| REVISION HISTORY |     |                    |        |        |
|------------------|-----|--------------------|--------|--------|
| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
| -                | -   | -                  | -      | -      |




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| SHEET NUMBER:     | 09 |
| TOTAL NO. SHEETS: | 21 |

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|---|---------------------------|---|
| DESIGNED BY:<br>ME                            | DATE:<br>20210828         | <br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br>AI MODULE 1             |                           |   |
| MACHINE NAME:<br>SWDISH FARM<br>GRAIN CONTROL | DRAWING NO:<br>ME21000E09 |   |

| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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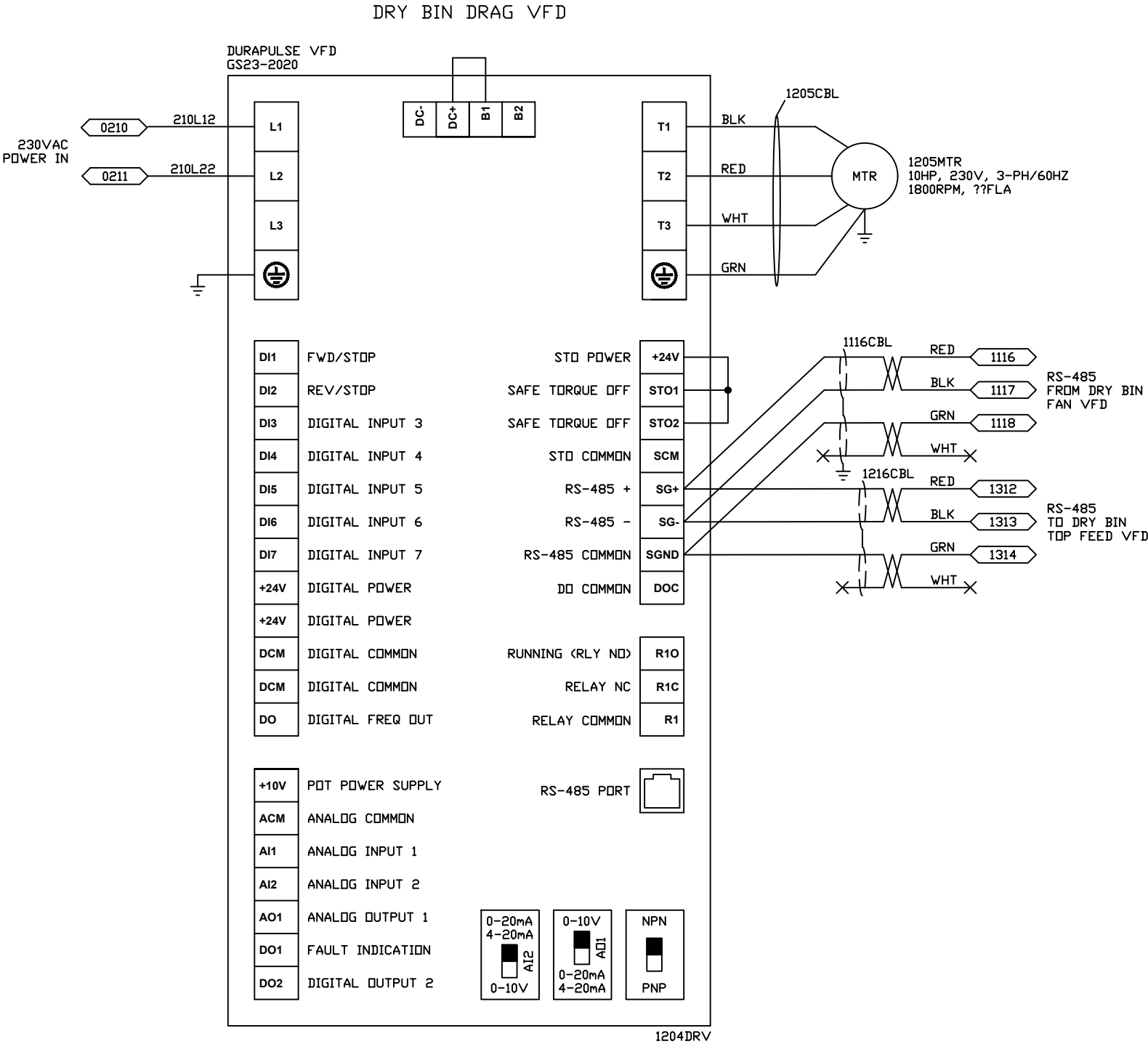



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| SHEET NUMBER:     | 11 |
| TOTAL NO. SHEETS: | 21 |

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|---|-------------------|---|
| DESIGNED BY:<br>ME                            | DATE:<br>20210828 | <br><b>MEYERS ELECTRIC LLC</b><br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br>DRY BIN FAN<br>VFD      |                   |   |
| MACHINE NAME:<br>SWOISH FARM<br>GRAIN CONTROL |                   | DRAWING NO:<br>ME21000E11   |



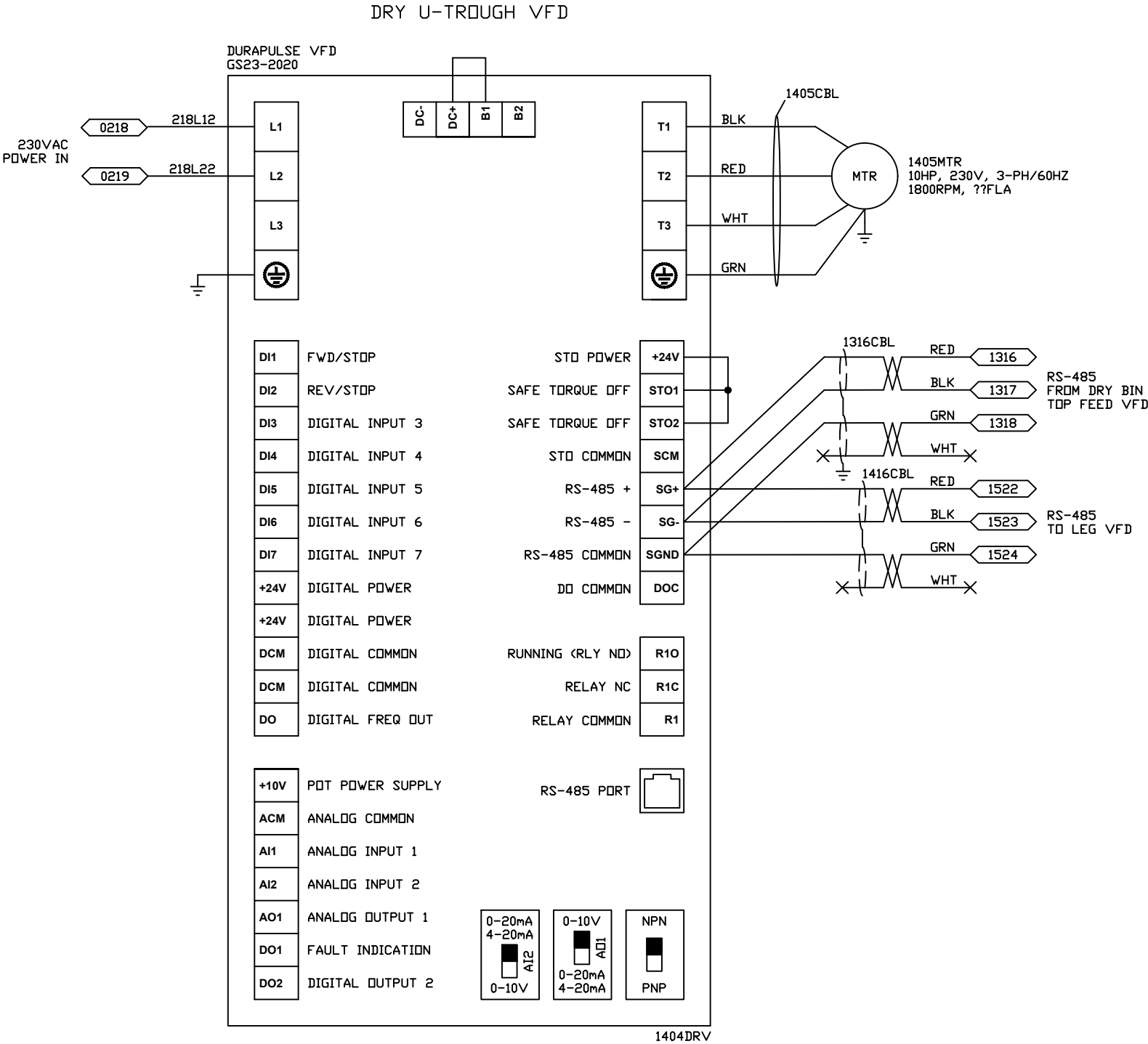
| REVISION HISTORY |     |                    |        |        |
|------------------|-----|--------------------|--------|--------|
| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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|------------------------------------|---|-------------------|--|
| SHEET NUMBER:<br><div>12</div>     | DESIGNED BY:<br>ME                            | DATE:<br>20210828 | <br>MEYERS ELECTRIC LLC<br>LAPEER, MICHIGAN 48446 |
|                                    | SHEET DESCRIPTION:<br>DRY BIN DRAG<br>VFD     |                   |  |
| TOTAL NO. SHEETS:<br><div>21</div> | MACHINE NAME:<br>SWOISH FARM<br>GRAIN CONTROL |                   | DRAWING NO:<br>ME21000E12  |



| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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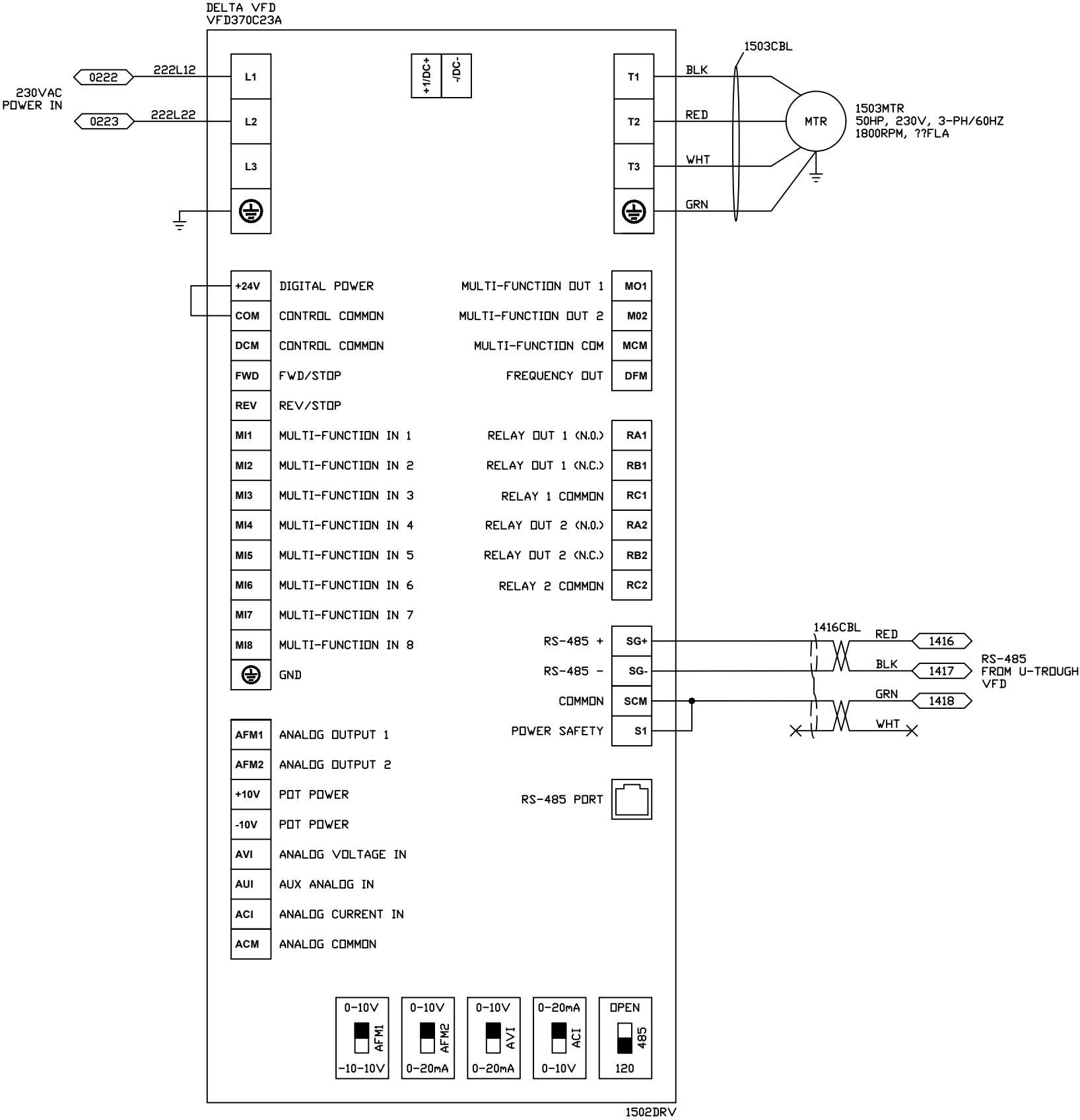


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| SHEET NUMBER:     | 14 |
| TOTAL NO. SHEETS: | 21 |


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| DESIGNED BY:<br>ME                            | DATE:<br>20210828 | <br><b>MEYERS ELECTRIC LLC</b><br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br>U-TROUGH<br>VFD         |                   |   |
| MACHINE NAME:<br>SWOISH FARM<br>GRAIN CONTROL |                   | DRAWING NO:<br>ME21000E14   |

| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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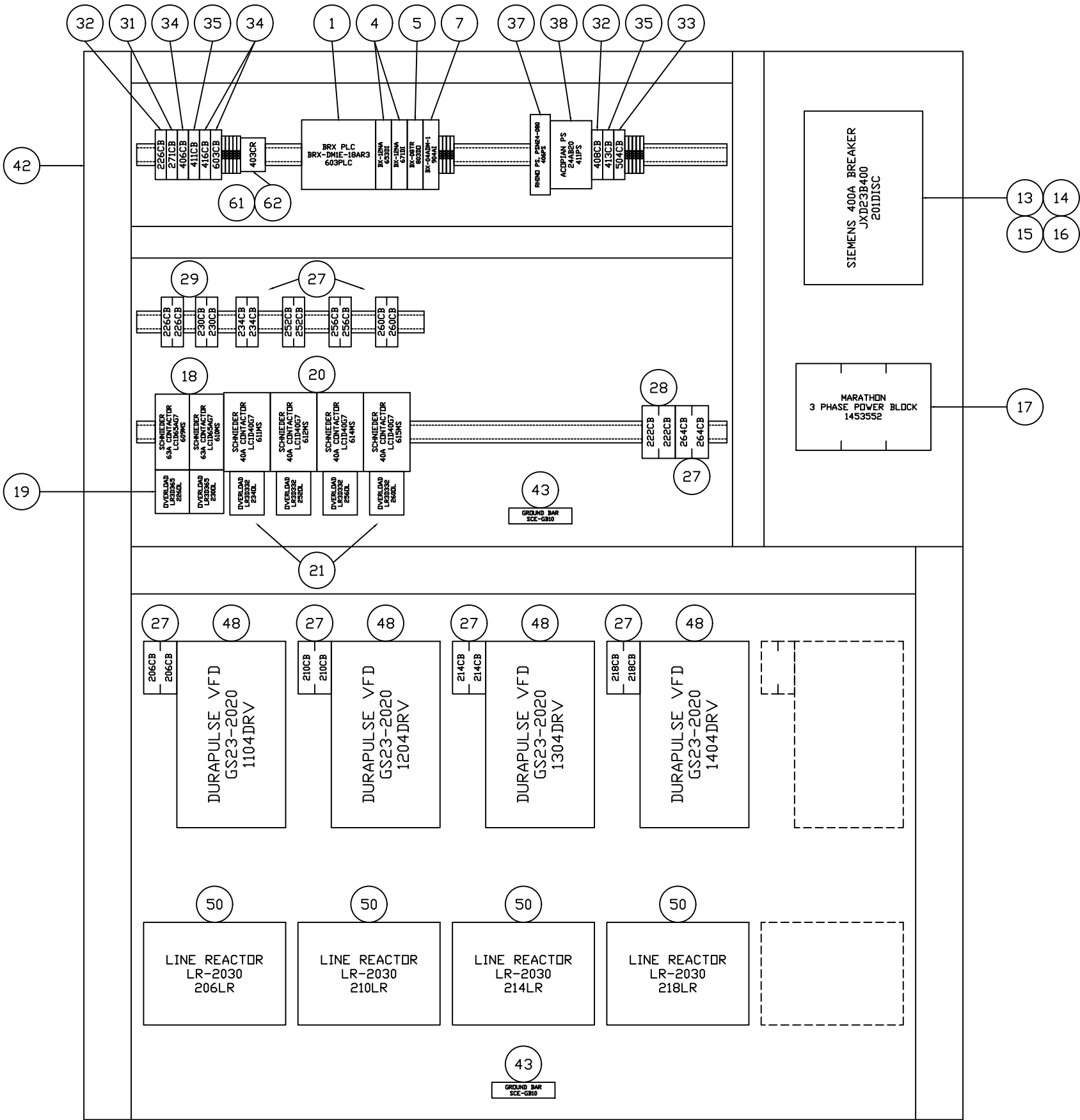
LEG VFD  
\*\*\*LOCATED IN LEG VFD ENCLOSURE\*\*\*




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|-------------------|
| SHEET NUMBER:     |
| 15                |
| TOTAL NO. SHEETS: |
| 21                |

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|---|-------------------|--|
| DESIGNED BY:<br>ME                            | DATE:<br>20210828 | <br>MEYERS ELECTRIC LLC<br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br>LEG<br>VFD              |                   |  |
| MACHINE NAME:<br>SWOISH FARM<br>GRAIN CONTROL |                   | DRAWING NO:<br>ME21000E15  |

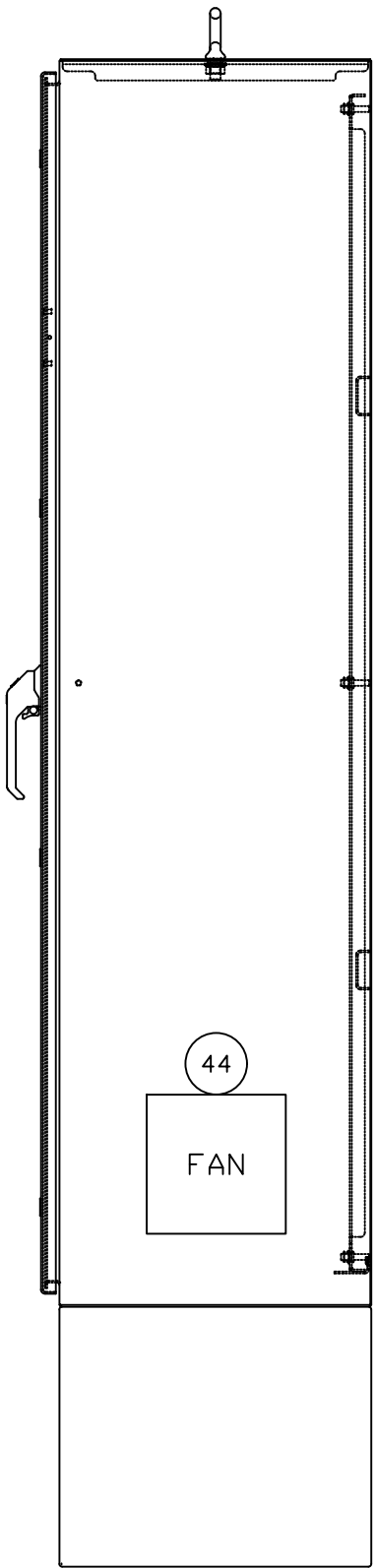
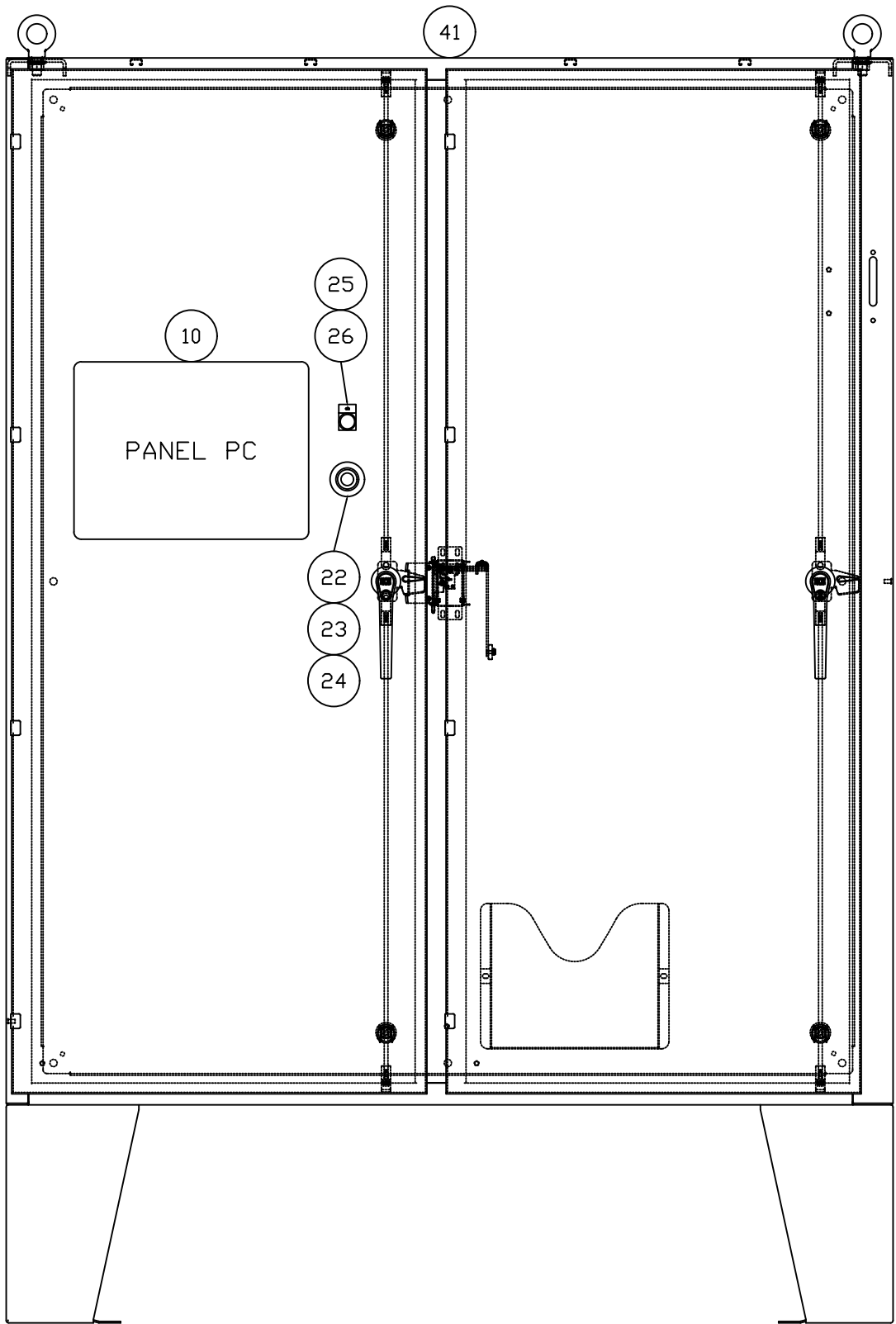
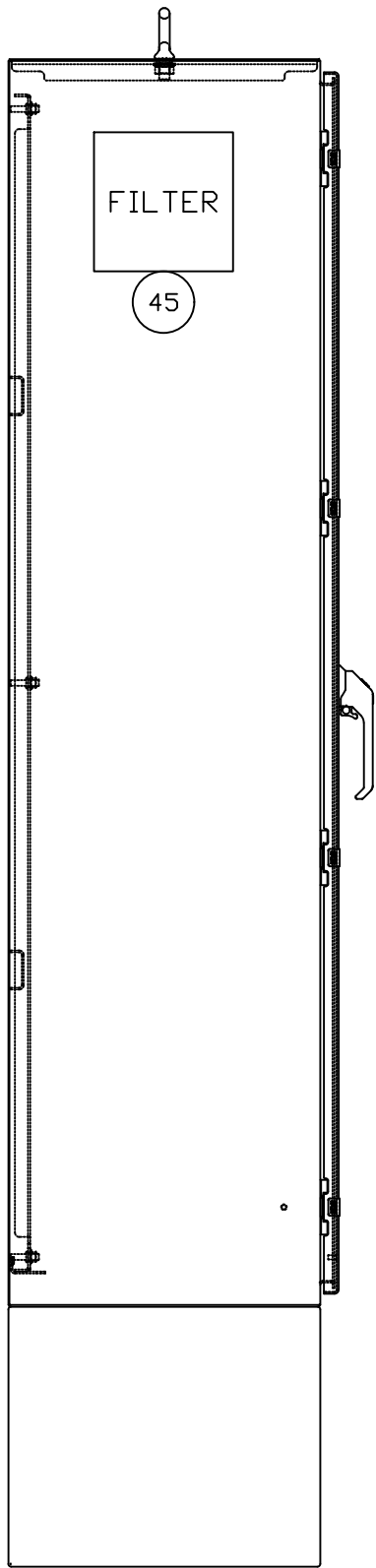
| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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| SHEET NUMBER:     | 18 |
| TOTAL NO. SHEETS: | 21 |

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|---|--------------------------|---|
| DESIGNED BY:<br><b>ME</b>                             | DATE:<br><b>20210828</b> | <br><b>MEYERS ELECTRIC LLC</b><br>LAPEER, MICHIGAN 48446 |
| SHEET DESCRIPTION:<br><b>PANEL LAYOUT</b>             |                          |   |
| MACHINE NAME:<br><b>SWOISH FARM<br/>GRAIN CONTROL</b> |                          | DRAWING NO:<br><b>ME21000E18</b>  |

| REVISION HISTORY |     |                    |        |        |
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| DATE             | REV | CHANGE DESCRIPTION | CHG BY | CHK BY |
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| SHEET NUMBER:     | 19 |
| TOTAL NO. SHEETS: | 21 |

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| DESIGNED BY:       | ME                        | DATE: | 20210828 |
| SHEET DESCRIPTION: | ENCLOSURE LAYOUT          |       |          |
| MACHINE NAME:      | SWOISH FARM GRAIN CONTROL |       |          |

|   |  |             |            |
|---|--|-------------|------------|
| <br>MVERS ELECTRIC LLC<br>LAPEER, MICHIGAN 48446 |  | DRAWING NO: | ME21000E19 |
|---|--|-------------|------------|