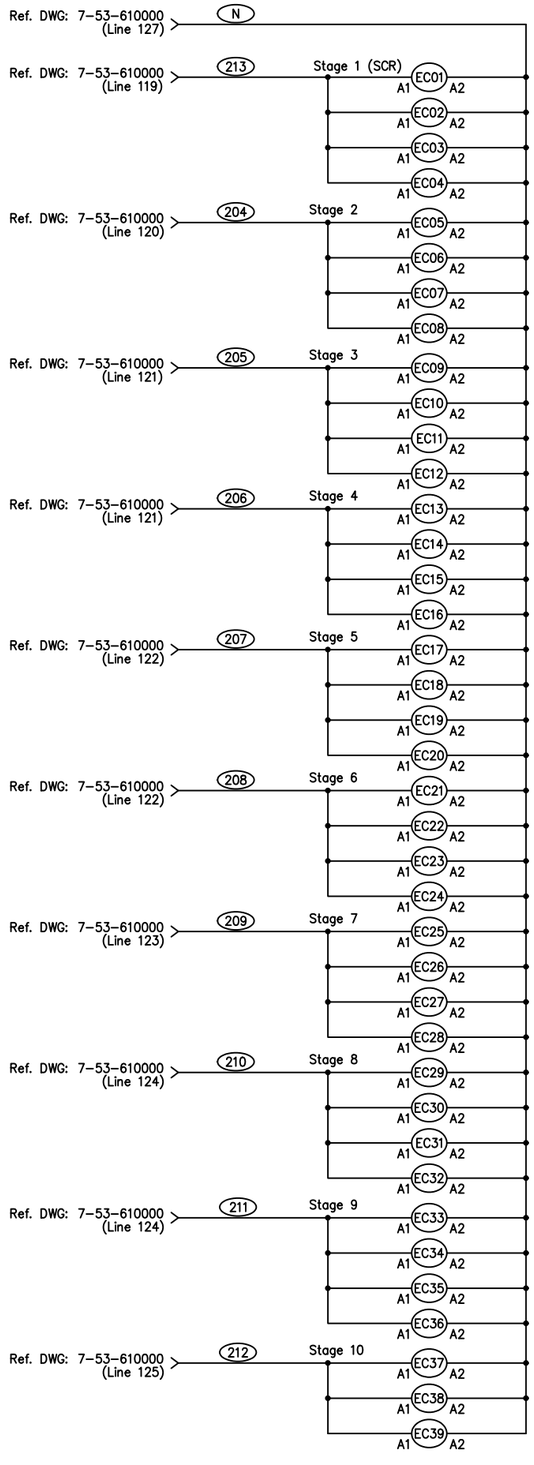
| 480V/3Ø/60Hz | Amperes |
|---|---|
| FLA | 1,565A |
| Power Drop #1 | 481A |
| Power Drop #2 | 481A |
| Power Drop #3 | 481A |
| Power Drop #4 | 122A |




PNL

GND 7

Installation: FACTORY Location: POWER

| ITEM | CATALOG | DESCRIPTION | TAG | QTY |
|---|---|---|---|---|
| 1 | ---CF---- * | FAN, SCR, 120VAC | CF10 CF11 CF12 CF13 | 4 |
| 2 | 2-40-000441 | TRANSFORMER, CONTROLS, .75 KVA, 240/480-240/120, 1 PHASE | XF | 1 |
| 3 | 5-21-001306 | BRACKET, TRANSFORMER, HINGED | | 1 |
| 4 | 2-40-003026 * | CONTACTOR, ELEMENT, 120VAC | EC01 EC02 EC03 EC04 EC05 EC06 EC07 EC08 EC09 EC10 EC11 EC12 EC13 EC14 EC15 EC16 EC17 EC18 EC19 EC20 EC21 EC22 EC23 EC24 EC25 EC26 EC27 EC28 EC29 EC30 EC31 EC32 EC33 EC34 EC35 EC36 EC37 EC38 EC39 | 39 |
| 5 | 2-40-277600 * | SCR, POWER CONTROLLER, 277-600Vac | SCR1 SCR2 SCR3 SCR4 | 4 |
| 6 | 2-45-000012 * | FUSE, CLASS J, JLS, 600V, 50 AMP | 50A | 117 |
| 7 | 2-45-000244 * | HOLDER, FUSE, CLASS J, 3P, 600V, 60A | 3-60-J | 39 |
| 8 | 2-45-000581 * | COVER, FUSE, CLASS J, FINGER SAFE, 1P, 600V, 60A | | 117 |
| 9 | 2-45-000365 * | FUSE, CLASS CC, KLKD, 600V, 8 AMP | 8A | 1 |
| 10 | 2-45-000371 * | HOLDER, FUSE, CLASS CC, 1P, 600V, 30A | 1-30-CC | 1 |
| 11 | 2-45-000381 * | FUSE, CLASS CC, KLDR, 600V, 3 AMP | 3A | 2 |
| 12 | 2-45-000433 * | HOLDER, FUSE, CLASS CC, 2P, 600V, 30A | 2-30-CC | 1 |
| 13 | 2-45-000482 * | INTERLOCK, DOOR, 120V | DIS1 | 1 |
| 14 | 2-45-000680 * | FAN, 10", ENCLOSURE MOUNT, 120VAC, W/FILTER, 11.63"h x 12.88"w, 4.51"d | CF1 | 1 |
| 15 | 2-45-000681 * | GRILLE ASSY., ENCLOSURE MOUNT, 18.88"h x 5.75"w x 0.72"d | | 1 |
| 16 | 2-22-000602 * | STEEL BINDING BARRELS, 10-32 THREAD SIZE, 5/16" LENGTH | | 4 |
| 17 | 2-45-003000 * | MECHANICAL CONNECTOR, [1] 14AWG -2/0 | GND | 7 |
| 18 | 2-45-100103 * | POWER DISTRIBUTION BLOCK, 760A, 3P, 2-LINE (4AWG-500KCMIL), 12-LOAD (14AWG-4AWG) | PDB1 PDB2 PDB3 PDB4 | 4 |
| 19 | 2-45-100104 * | POWER DISTRIBUTION BLOCK, COVER | | 12 |
| 20 | 2-45-175114 * | HOLDER, FUSE, SEMI-CONDUCTOR, 1P, 700V, 63A | 1-50 | 8 |
| 21 | 2-45-178050 * | FUSE, 50 AMP, SEMI-CONDUCTOR, 700V | 50A | 8 |
| 22 | 2-45-610001 * | WIRE JUMPER, 8AWG, 11" | 8AWG | 117 |
| 23 | 7-53-618130 * | FBZ 1300 POWER PANEL MECHANICAL ASSEMBLY | PNL | 1 |
| 24 | ---100KW--- | ELECTRIC ELEMENT, 100KW, 3 CIRCUIT | EL01 EL02 EL03 EL04 EL05 EL06 EL07 EL08 EL09 EL10 EL11 EL12 EL13 | 13 |

NOTES;
1. ALL FIELD WIRING, CONDUIT ( -\-\-\-\-\- ) BY OTHERS.
2. (XX) DENOTES WIRE NUMBERS.
3. (*) INDICATES COMPONENTS THAT ARE MOUNTED INSIDE THE PANEL BOX.
4. FIELD WIRING TO CLASS CC FUSE BLOCKS TO BE TORQUE @ 17.7 IN. LBS.
5. CONDUIT HAS BEEN SUPPLIED (----------) WIRING TO BE INSTALLED BY OTHERS.
6. COMPONENTS SUPPLIED BY OTHERS.
7. INDICATES A COMBINATION PUSHBUTTON AND PILOT LIGHT ASSEMBLY.
8. LOW WATER TEST: PRESS AND HOLD PUSH BUTTON FOR 3 SECONDS, MOMENTARILY PRESS PUSH BUTTON TO RESET.
9. REMOVE FACTORY INSTALLED JUMPER(S) TO ENABLE CONNECTION(S).
10. DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER.

| REV | REVISION DESCRIPTION | B.O.M. | ELEC. ENG | MECH. ENG | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| - | INITIAL RELEASE | - | - | - | - | - |
| | - | - | - | - | - | - |

REVISION HISTORY


UNLESS OTHERWISE NOTED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/16
(2) PLACE DEC. ±.01
(3) PLACE DEC. ±.005
ANGLES ± 2 DEG.
SURFACE FINISH
250 MICRO-INCHES

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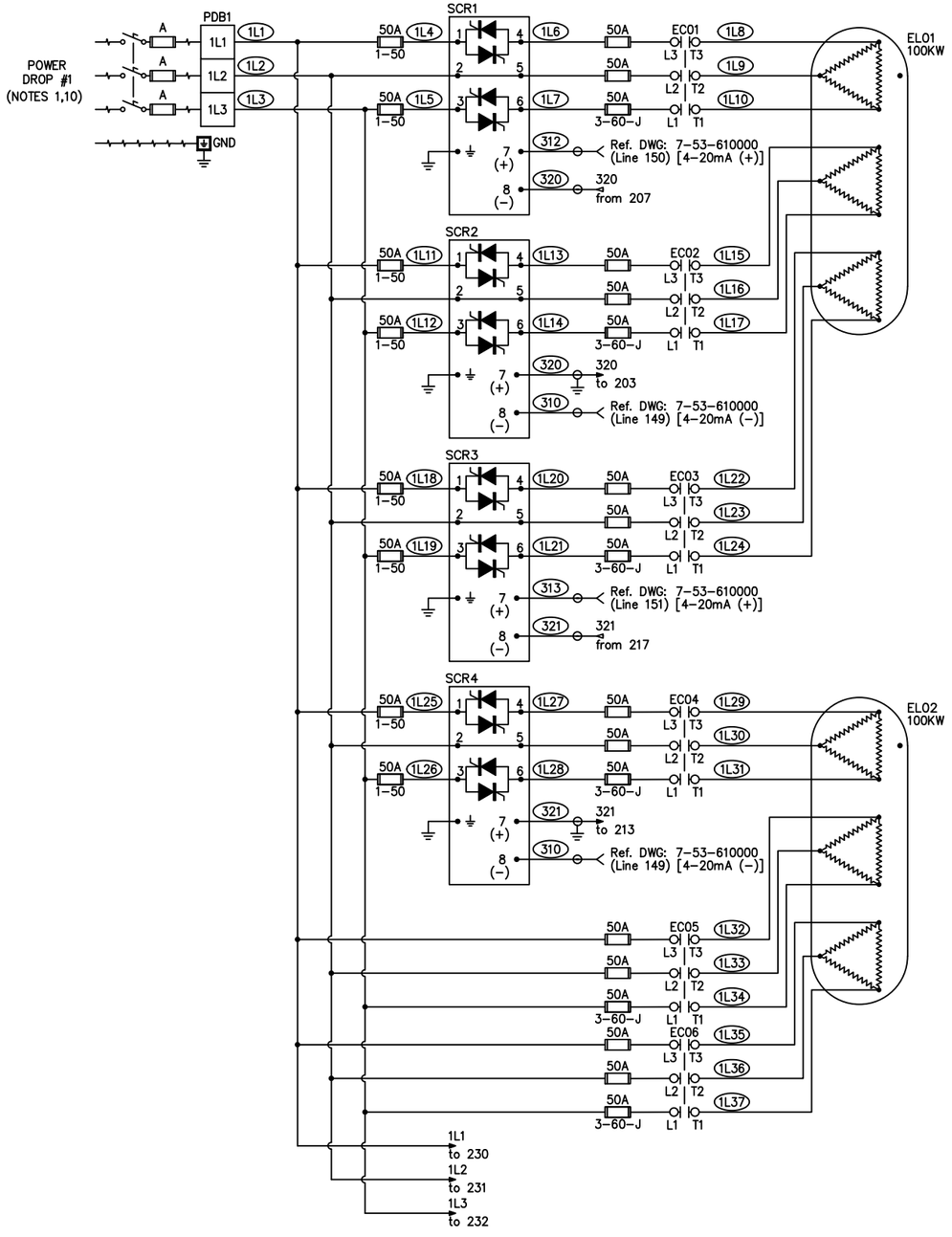
The items shown in this drawing may be covered by one or more patents of The Fulton Companies.

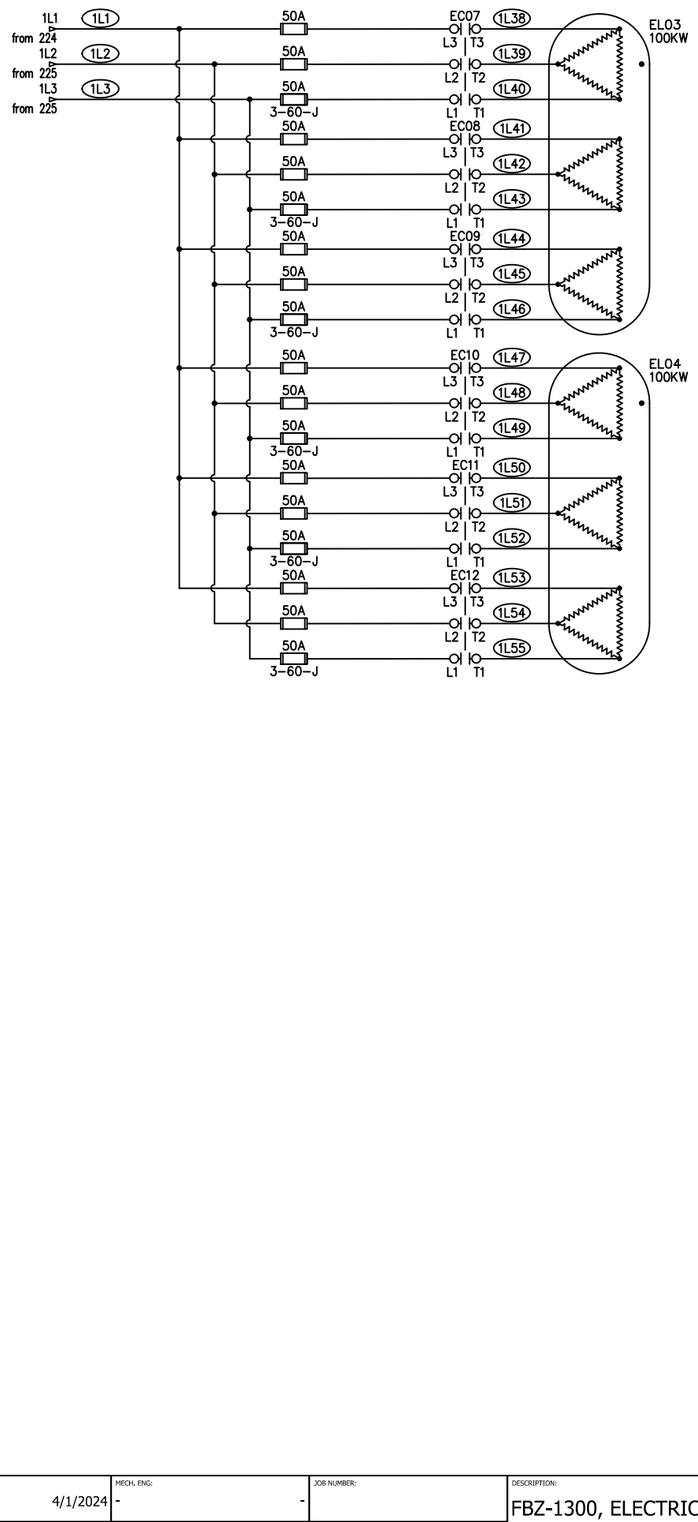
THIRD ANGLE PROJECTION


| | | | |
|---|---|---|---|
| DRAWN BY: JES 4/1/2024 | MECH. ENG: - - | JOB NUMBER: | DESCRIPTION: FBZ-1300, ELECTRICAL SCHEMATIC, POWER PANEL, 480V/60Hz/3Ø |
| CHECKED BY: - - | ELEC. ENG: JES 10/30/2024 | PROJECT NAME: FBZ-1300 | |
| B.O.M. REVIEW: CA 10/28/2024 | APPROVED BY: MP 10/30/2024 | PROJECT MANAGER: | SHEET 1 OF 3 |

FULTON THERMAL CORPORATION

DRAWING NUMBER 7-53-615130 REV -




| Fulton Production Only (Not Intended for Field Wiring) | |
|---|---|
| PDB – Fuse | 8awg MTW/THHN |
| Fuse – SCR | 8awg MTW/THHN |
| SCR – Fuse | 8awg MTW/THHN |
| Fuse – Contactor | 2–45–610001 |
| Contactor – Element | 8awg TGGT |

NOTES;
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10. DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER.

| REV | REVISION DESCRIPTION | B.O.M. | ELEC. ENG | MECH. ENG | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| - | INITIAL RELEASE | - | - | - | - | - |
| | - | - | - | - | - | - |

REVISION HISTORY

UNLESS OTHERWISE NOTED:
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TOLERANCES ON
FRACTIONS ± 1/16
(2) PLACE DEC. ± .01
(3) PLACE DEC. ± .005
ANGLES ± 2 DEG.
SURFACE FINISH
250 MICRO-INCHES

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THIRD ANGLE PROJECTION

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: JES | 4/1/2024 | MECH. ENG: - | - | JOB NUMBER: | |
| CHECKED BY: - | - | ELEC. ENG: JES | 10/30/2024 | PROJECT NAME: FBZ-1300 | |
| B.O.M. REVIEW: CA | 10/28/2024 | APPROVED BY: MP | 10/30/2024 | PROJECT MANAGER: | |

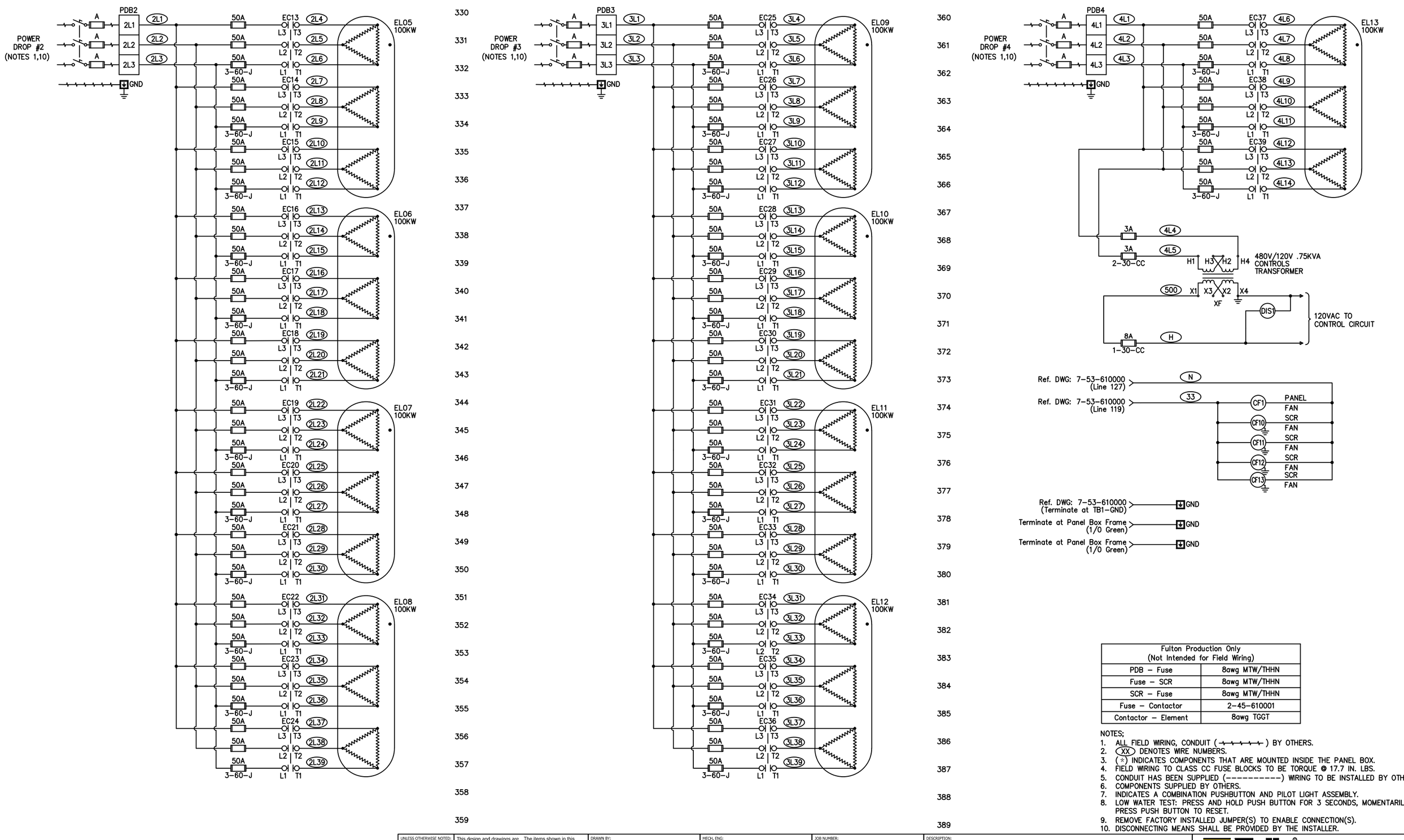
DESCRIPTION:
FBZ-1300, ELECTRICAL SCHEMATIC, POWER PANEL, 480V/60Hz/3Ø

SHEET 2 OF 3

FULTON THERMAL CORPORATION

DRAWING NUMBER: 7-53-615130

REV: -

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| Fuse – SCR | 8awg MTW/THHN |
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| REV | REVISION DESCRIPTION | B.O.M. | ELEC. ENG | MECH. ENG | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| - | INITIAL RELEASE<br>- | - | - | - | - | - |

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(2) PLACE DEC. ± .01
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THIRD ANGLE PROJECTION

| | | | |
|---|---|---|---|
| DRAWN BY: JES 4/1/2024 | MECH. ENG: - - | JOB NUMBER: | |
| CHECKED BY: - - | ELEC. ENG: JES 10/30/2024 | PROJECT NAME: FBZ-1300 | |
| B.O.M. REVIEW: CA 10/28/2024 | APPROVED BY: MP 10/30/2024 | PROJECT MANAGER: | |

DESCRIPTION:
FBZ-1300, ELECTRICAL SCHEMATIC, POWER PANEL, 480V/60Hz/3Ø

SHEET 3 OF 3

FULTON THERMAL CORPORATION

DRAWING NUMBER: 7-53-615130

REV: -