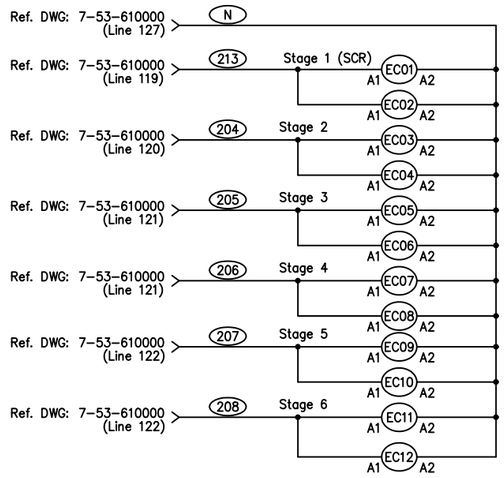
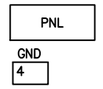
600V/3Ø/60Hz	Amperes
FLA	386A
Power Drop #1	194A
Power Drop #2	192A





Installation: FACTORY Location: POWER

ITEM	CATALOG	DESCRIPTION	TAG	QTY
1	---CF---- *	FAN, SCR, 120VAC	CF10 CF11	2
2	2-40-000442	TRANSFORMER, CONTROLS, .75KVA, 600-240/120, 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	12
5	2-40-277600 *	SCR, POWER CONTROLLER, 277-600Vac	SCR1 SCR2	2
6	2-45-000011 *	FUSE, CLASS J, JLS, 600V, 40 AMP	40A	36
7	2-45-000244 *	HOLDER, FUSE, CLASS J, 3P, 600V, 60A	3-60-J	12
8	2-45-000581 *	COVER, FUSE, CLASS J, FINGER SAFE, 1P, 600V, 60A		36
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	2-45-000433 *	HOLDER, FUSE, CLASS CC, 2P, 600V, 30A	2-30-CC	1
12	2-45-000482 *	INTERLOCK, DOOR, 120V	DIS1	1
13	2-45-000680 *	FAN, 10", ENCLOSURE MOUNT, 120VAC, W/FILTER, 11.63"h x 12.88"w, 4.51"d	CF1	1
14	2-45-000681 *	GRILLE ASSY., ENCLOSURE MOUNT, 18.88"h x 5.75"w x 0.72"d		1
15	2-22-000602 *	STEEL BINDING BARRELS, 10-32 THREAD SIZE, 5/16" LENGTH		4
16	2-45-001000 *	FUSE, CLASS CC, KLDR, 600V, 2 AMP	2A	2
17	2-45-003000 *	MECHANICAL CONNECTOR, [1] 14AWG -2/0	GND	4
18	2-45-100103 *	POWER DISTRIBUTION BLOCK, 760A, 3P, 2-LINE (4AWG-500KCMIL), 12-LOAD (14AWG-4AWG)	PDB1 PDB2	2
19	2-45-100104 *	POWER DISTRIBUTION BLOCK, COVER		6
20	2-45-175114 *	HOLDER, FUSE, SEMI-CONDUCTOR, 1P, 700V, 63A	1-50	4
21	2-45-178040 *	FUSE, 40 AMP, SEMI-CONDUCTOR, 700V	40A	4
22	2-45-610001 *	WIRE JUMPER, 8AWG, 11"	8AWG	36
23	7-53-618080 *	FBZ 800 POWER PANEL MECHANICAL ASSEMBLY	PNL	1
24	---100KW---	ELECTRIC ELEMENT, 100KW, 3 CIRCUIT	EL01 EL02 EL03 EL04	4

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

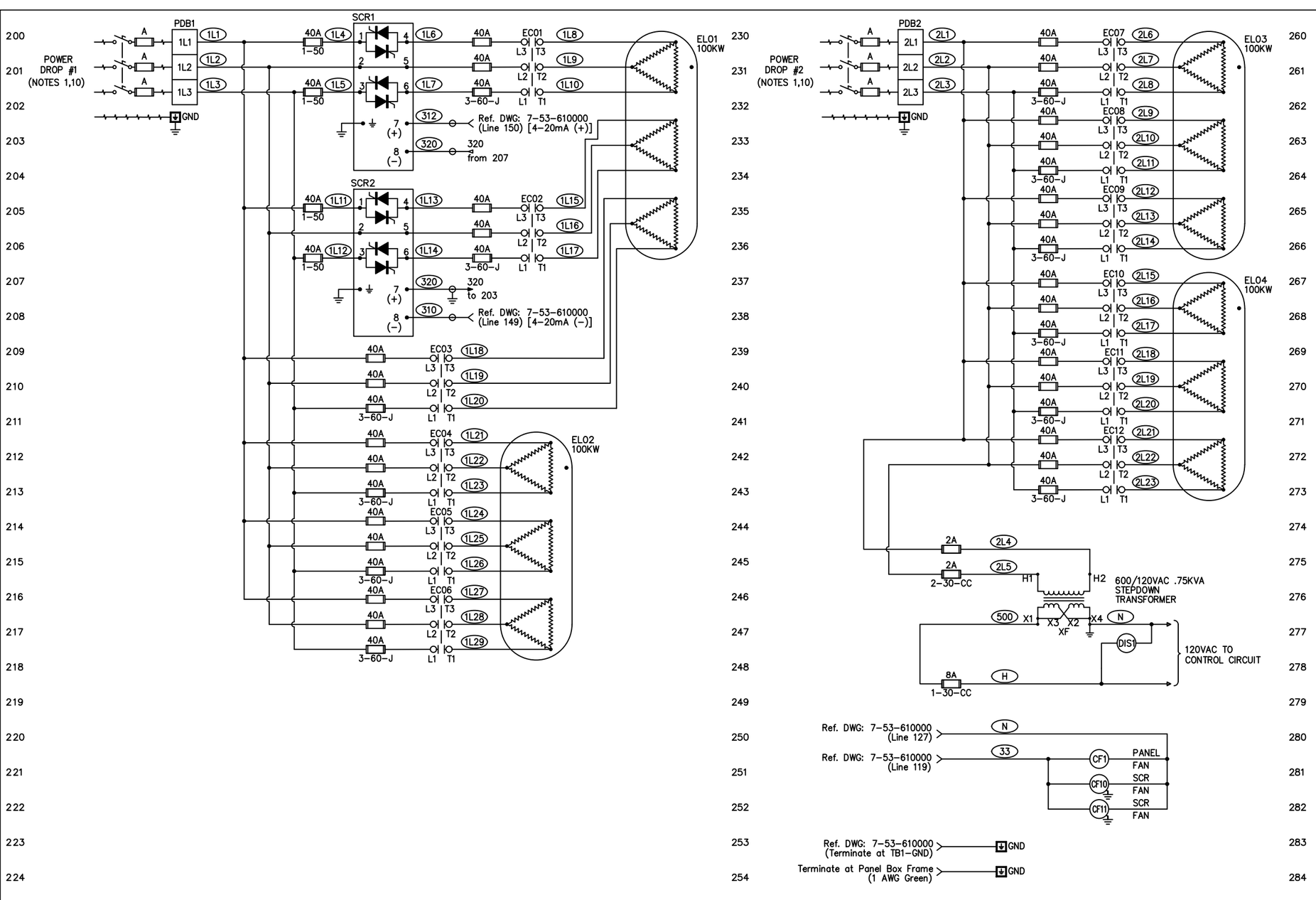
UNLESS OTHERWISE NOTED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/16
(2) PLACE DEC. ± .01
(3) PLACE DEC. ± .005
ANGLES ± 2 DEG.
SURFACE FINISH
250 MICRO-INCHES

This design and drawings are proprietary and are the exclusive property of The Fulton Companies. The corporation does not permit their use except with prior written consent.

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

THIRD ANGLE PROJECTION

DRAWN BY: JES 11/14/2024	MECH. ENG: - -	JOB NUMBER:	DESCRIPTION: FBZ-0400, ELECTRICAL SCHEMATIC, POWER PANEL, 600V/60Hz/3Ø	FULTON THERMAL CORPORATION	
CHECKED BY: - -	ELEC. ENG: JES 12/10/2024	PROJECT NAME: FBZ-0400		DRAWING NUMBER 7-53-616040	REV -
B.O.M. REVIEW RJS 12/11/2024	APPROVED BY: MP 12/9/2024	PROJECT MANAGER:	SHEET 1 OF 2		



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

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THIRD ANGLE PROJECTION

DRAWN BY: JES 11/14/2024	MECH. ENG: - -	JOB NUMBER:	DESCRIPTION: FBZ-0400, ELECTRICAL SCHEMATIC, POWER PANEL, 600V/60Hz/3Ø
CHECKED BY: - -	ELEC. ENG: JES 12/10/2024	PROJECT NAME: FBZ-0400	
B.O.M. REVIEW: RJS 12/11/2024	APPROVED BY: MP 12/9/2024	PROJECT MANAGER:	SHEET 2 OF 2

FULTON THERMAL CORPORATION

DRAWING NUMBER: 7-53-616040 REV: -