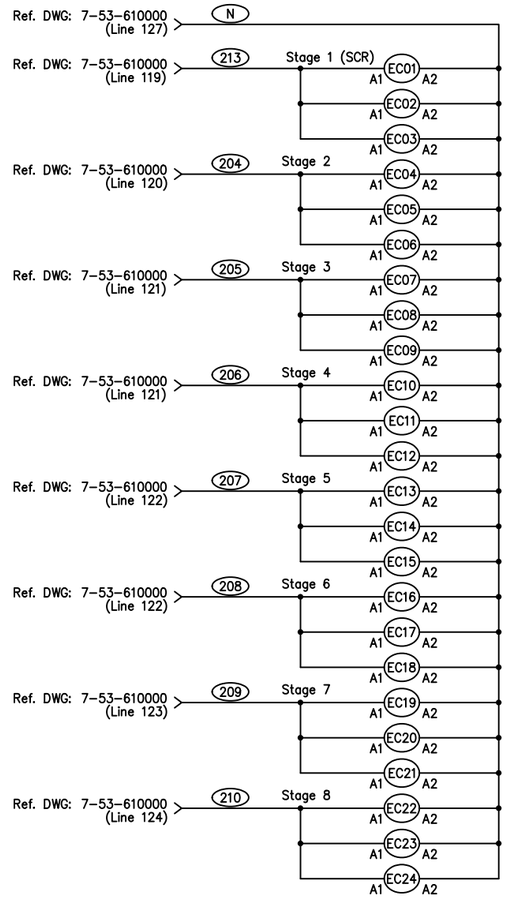
480V/3Ø/60Hz	Amperes
FLA	771A
Power Drop #1	289A
Power Drop #2	385A
Power Drop #3	97A



PNL

GND 6

Installation: FACTORY Location: POWER

ITEM	CATALOG	DESCRIPTION	TAG	QTY
1	---CF---- *	FAN, SCR, 120VAC	CF10 CF11 CF12	3
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 EC13 EC14 EC15 EC16 EC17 EC18 EC19 EC20 EC21 EC22 EC23 EC24	24
5	2-40-277600 *	SCR, POWER CONTROLLER, 277-600Vac	SCR1 SCR2 SCR3	3
6	2-45-000011 *	FUSE, CLASS J, JLS, 600V, 40 AMP	40A	72
7	2-45-000244 *	HOLDER, FUSE, CLASS J, 3P, 600V, 60A	3-60-J	24
8	2-45-000581 *	COVER, FUSE, CLASS J, FINGER SAFE, 1P, 600V, 60A		72
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	6
18	2-45-100103 *	POWER DISTRIBUTION BLOCK, 760A, 3P, 2-LINE (4AWG-500KCMIL), 12-LOAD (14AWG-4AWG)	PDB1 PDB2 PDB3	3
19	2-45-100104 *	POWER DISTRIBUTION BLOCK, COVER		9
20	2-45-175114 *	HOLDER, FUSE, SEMI-CONDUCTOR, 1P, 700V, 63A	1-50	6
21	2-45-178040 *	FUSE, 40 AMP, SEMI-CONDUCTOR, 700V	40A	6
22	2-45-610001 *	WIRE JUMPER, 8AWG, 11"	8AWG	72
23	7-53-618080 *	FBZ 800 POWER PANEL MECHANICAL ASSEMBLY	PNL	1
24	---100KW---	ELECTRIC ELEMENT, 100KW, 3 CIRCUIT	EL01 EL02 EL03 EL04 EL05 EL06 EL07 EL08	8

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

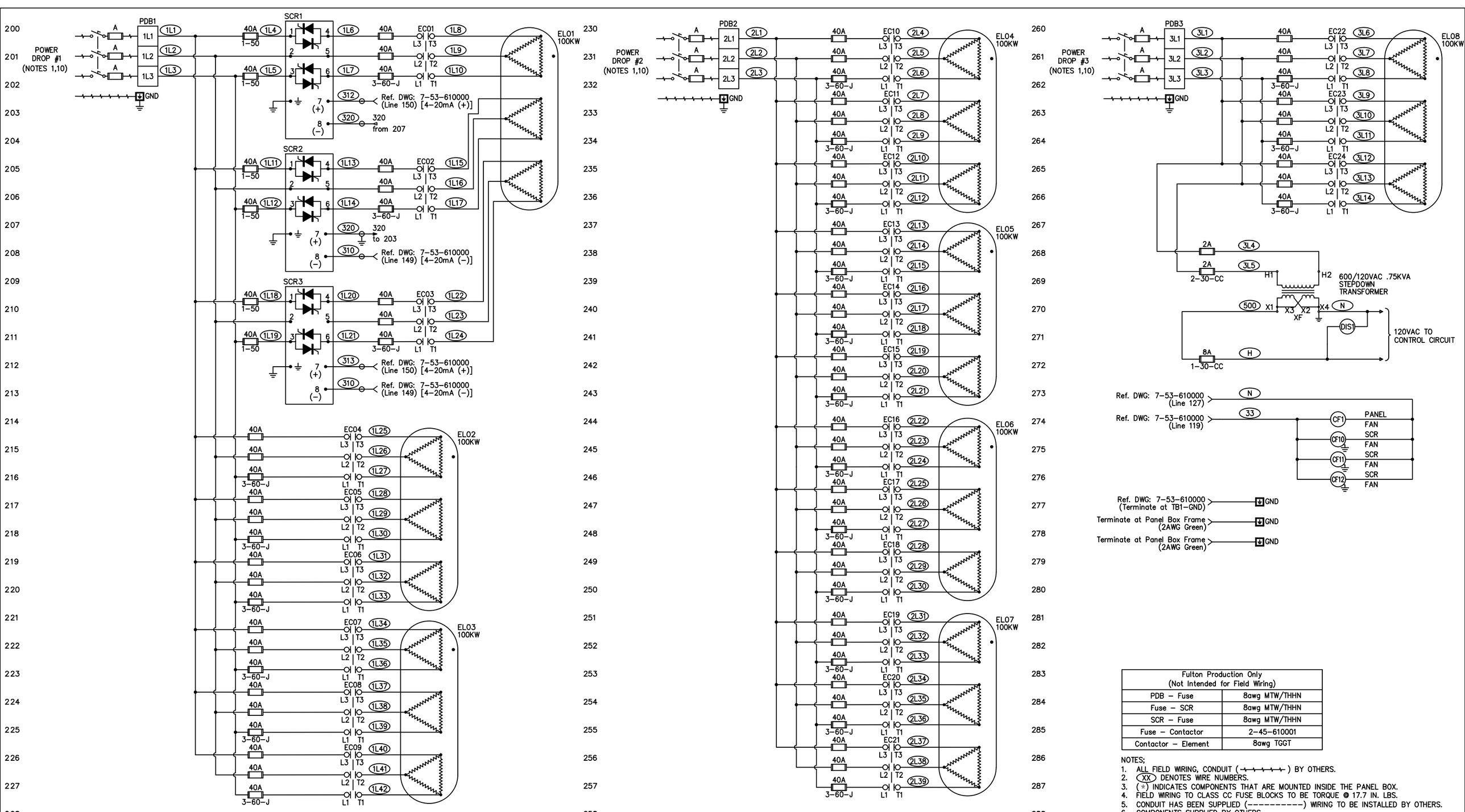
DRAWN BY: JES 11/8/2024	MECH. ENG: - -	JOB NUMBER:	DESCRIPTION: FBZ-0800, ELECTRICAL SCHEMATIC, POWER PANEL, 600V/60Hz/3Ø		
CHECKED BY: - -	ELEC. ENG: JES 12/10/2024	PROJECT NAME: FBZ-0800			
B.O.M. REVIEW: RJS 12/11/2024	APPROVED BY: MP 12/9/2024	PROJECT MANAGER:			

SHEET 1 OF 2

FULTON THERMAL CORPORATION

DRAWING NUMBER 7-53-616080

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;
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	-	-	-	-	-
	-	-	-	-	-	-

REVISION HISTORY

UNLESS OTHERWISE NOTED:
DIMENSIONS ARE IN INCHES
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ANGLES ± 2 DEG.
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THIRD ANGLE PROJECTION

DRAWN BY: JES 11/8/2024	MECH. ENG: - -	JOB NUMBER:	
CHECKED BY: - -	ELEC. ENG: JES 12/10/2024	PROJECT NAME: FBZ-0800	
B.O.M. REVIEW RJS 12/11/2024	APPROVED BY: MP 12/9/2024	PROJECT MANAGER:	

DESCRIPTION:
FBZ-0800, ELECTRICAL SCHEMATIC, POWER PANEL, 600V/60Hz/3Ø

SHEET 2 OF 2

FULTON THERMAL CORPORATION

DRAWING NUMBER 7-53-616080

REV -