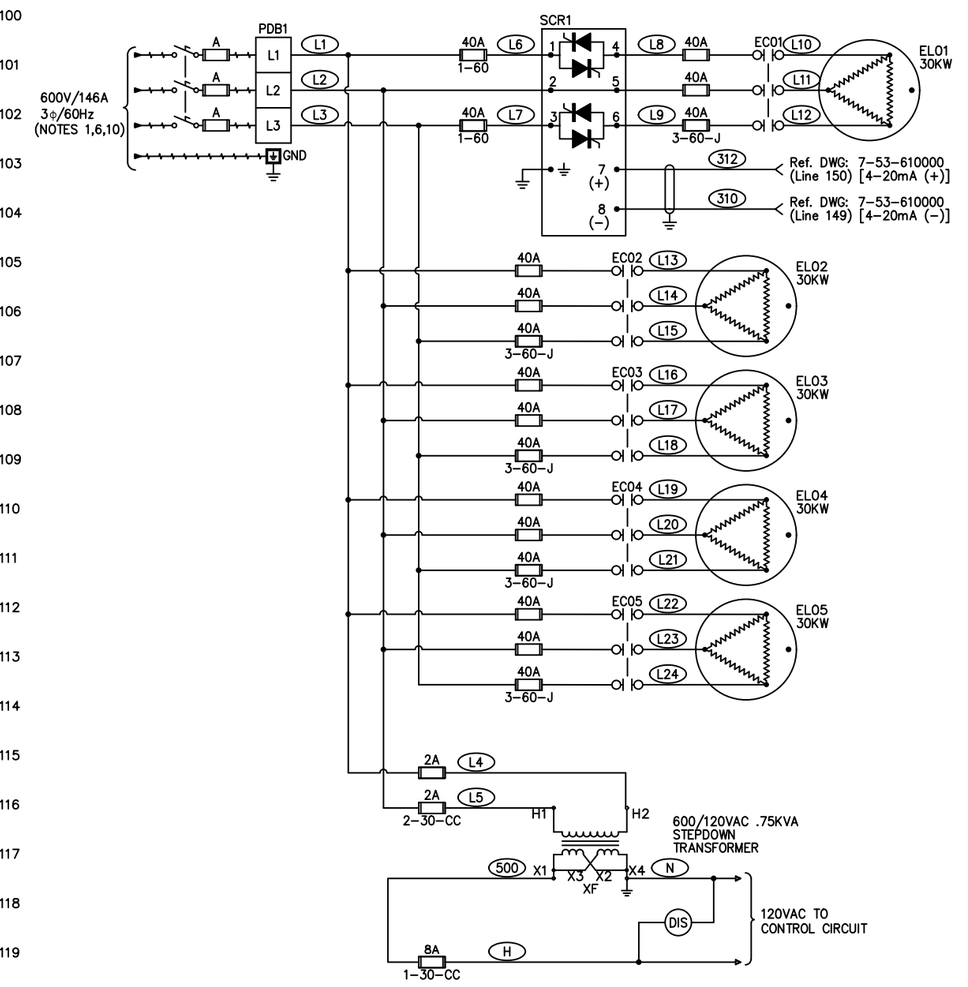

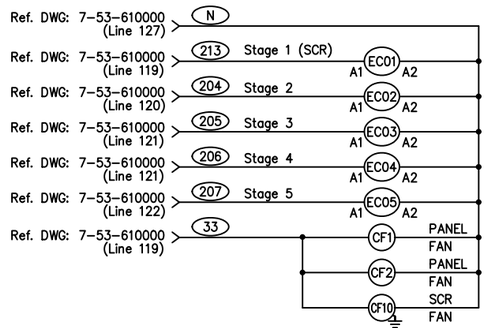

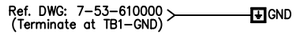

PNL

GND 2

Installation: FACTORY	Location: POWER			
ITEM	CATALOG	DESCRIPTION	TAG	QTY
1	---CF----*	FAN, SCR, 120VAC	CF10	1
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	5
5	2-40-277600*	SCR, POWER CONTROLLER, 277-600Vac	SCR1	1
6	2-45-000011*	FUSE, CLASS J, JLS, 600V, 40 AMP	40A	15
7	2-45-000244*	HOLDER, FUSE, CLASS J, 3P, 600V, 60A	3-60-J	5
8	2-45-000581*	COVER, FUSE, CLASS J, FINGER SAFE, 1P, 600V, 60A		15
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	2-45-000395*	FAN, 4", ENCLOSURE MOUNT, 120VAC, W/FILTER, 6.11"h x 7.38"w, 0.5"d	CF1 CF2	2
12	2-45-000695*	GRILLE ASSY., ENCLOSURE MOUNT, 6.11"h x 7.38"w x 0.5"d		2
13	2-22-000602*	STEEL BINDING BARRELS, 10-32 THREAD SIZE, 5/16" LENGTH		8
14	2-45-000433*	HOLDER, FUSE, CLASS CC, 2P, 600V, 30A	2-30-CC	1
15	2-45-000482*	INTERLOCK, DOOR, 120V	DIS	1
16	2-45-001000*	FUSE, CLASS CC, KLDR, 600V, 2 AMP	2A	2
17	2-45-003000*	MECHANICAL CONNECTOR, [1] 14AWG -2/0	GND	2
18	2-45-100103*	POWER DISTRIBUTION BLOCK, 760A, 3P, 2-LINE (4AWG-500KCMIL), 12-LOAD (14AWG-4AWG)	PDB1	1
19	2-45-100104*	POWER DISTRIBUTION BLOCK, COVER		3
20	2-45-175114*	HOLDER, FUSE, SEMI-CONDUCTOR, 1P, 700V, 63A	1-60	2
21	2-45-178040*	FUSE, 40 AMP, SEMI-CONDUCTOR, 700V	40A	2
22	2-45-610001*	WIRE JUMPER, 8AWG, 11"	8AWG	15
23	7-53-618027*	FBZ 270 POWER PANEL MECHANICAL ASSEMBLY	PNL	1
24	---30KW---	ELECTRIC ELEMENT, 30KW, 1 CIRCUIT	EL01 EL02 EL03 EL04 EL05	5

600V/3Ø/60Hz	Amperes
FLA	146A

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.
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 11/14/2024	MECH. ENG: - -	JOB NUMBER:	DESCRIPTION: FBZ-0150, ELECTRICAL SCHEMATIC, POWER PANEL, 600V/60Hz/3Ø		
CHECKED BY: - -	ELEC. ENG: JES 12/6/2024	PROJECT NAME: FBZ-0150			
B.O.M. REVIEW: RJS 12/6/2024	APPROVED BY: MP 12/4/2024	PROJECT MANAGER:	SHEET 1 OF 1		

FULTON THERMAL CORPORATION

DRAWING NUMBER: 7-53-616015

REV: -