

Tower Dryer



Wiring Diagrams Manual

PNEG-554r09



a division of
THE GSI GROUP



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Control Wiring

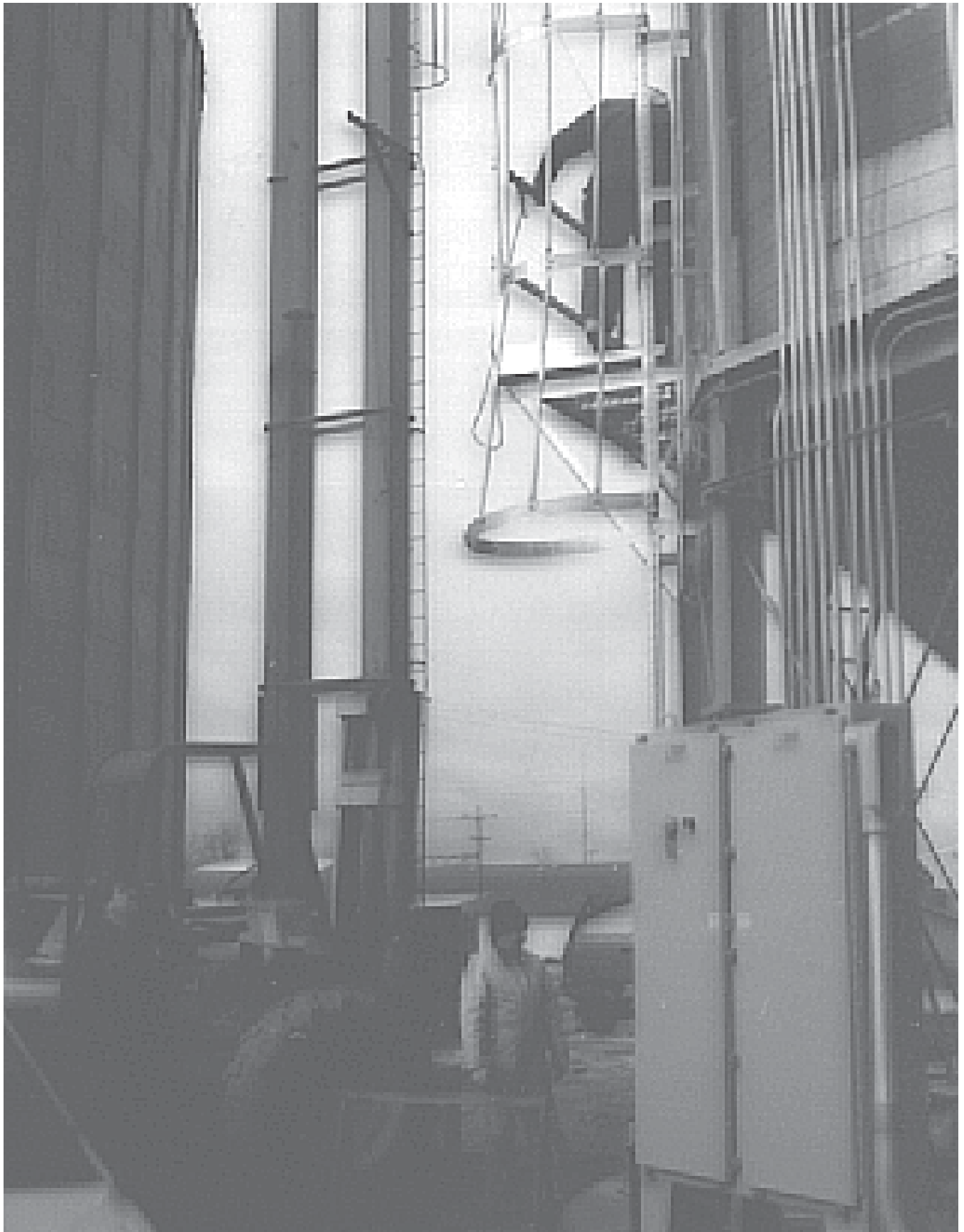
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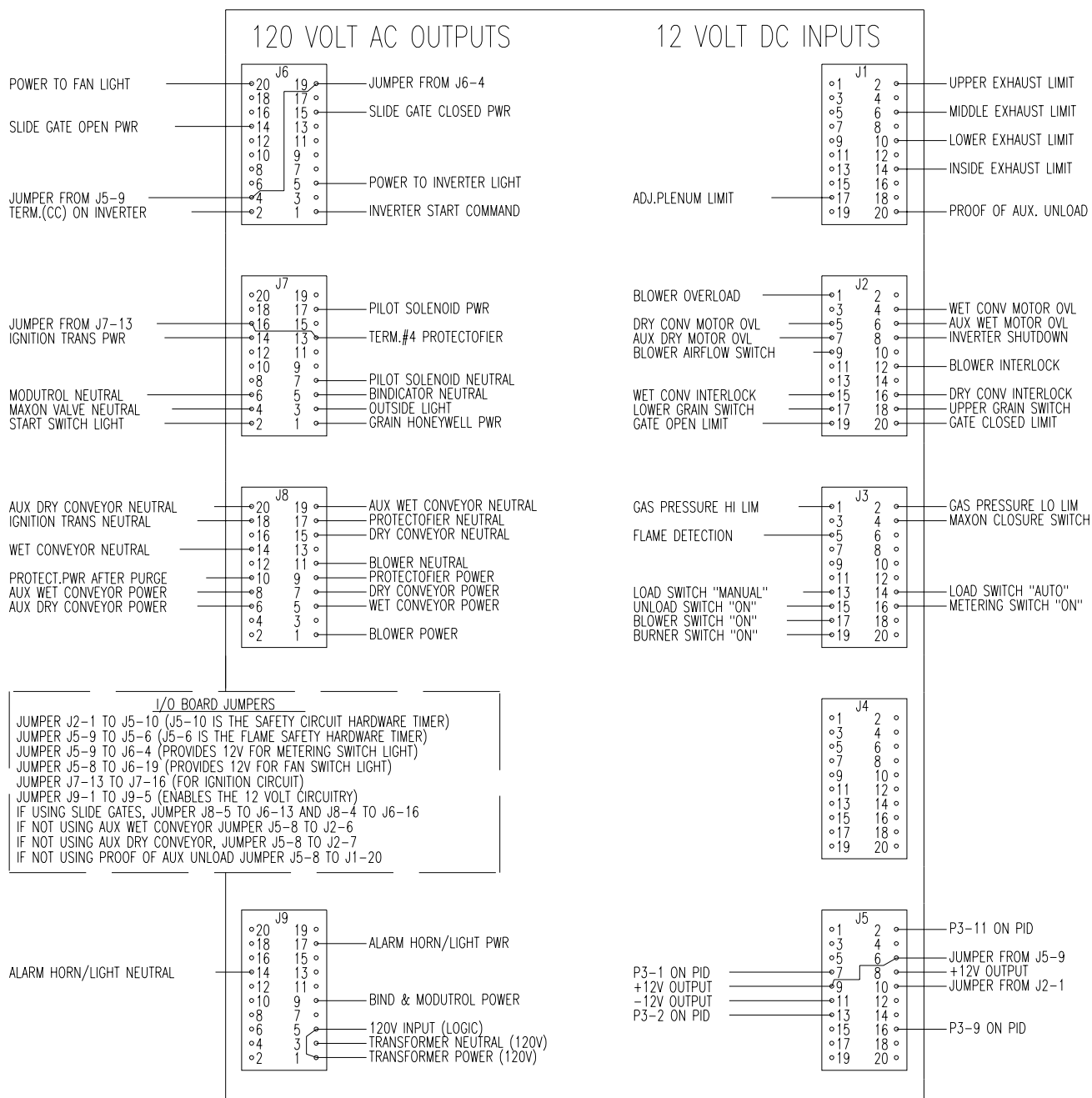
GSI TOWER DRYER WIRING DIAGRAMS

SINGLE FAN WIRING



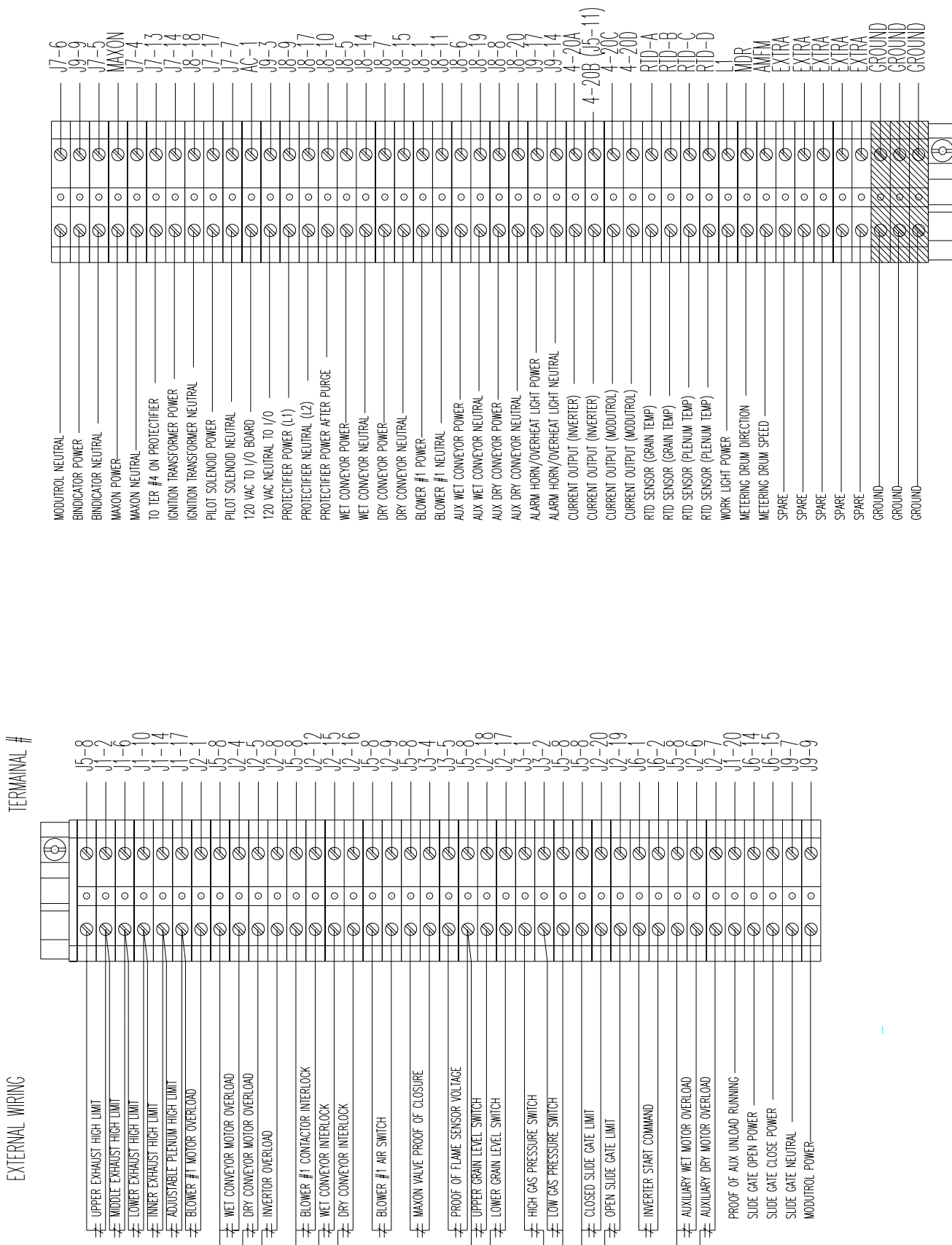
GS1 TOWER DRYER WIRING DIAGRAMS

SINGLE FAN INPUT/OUTPUT BOARD



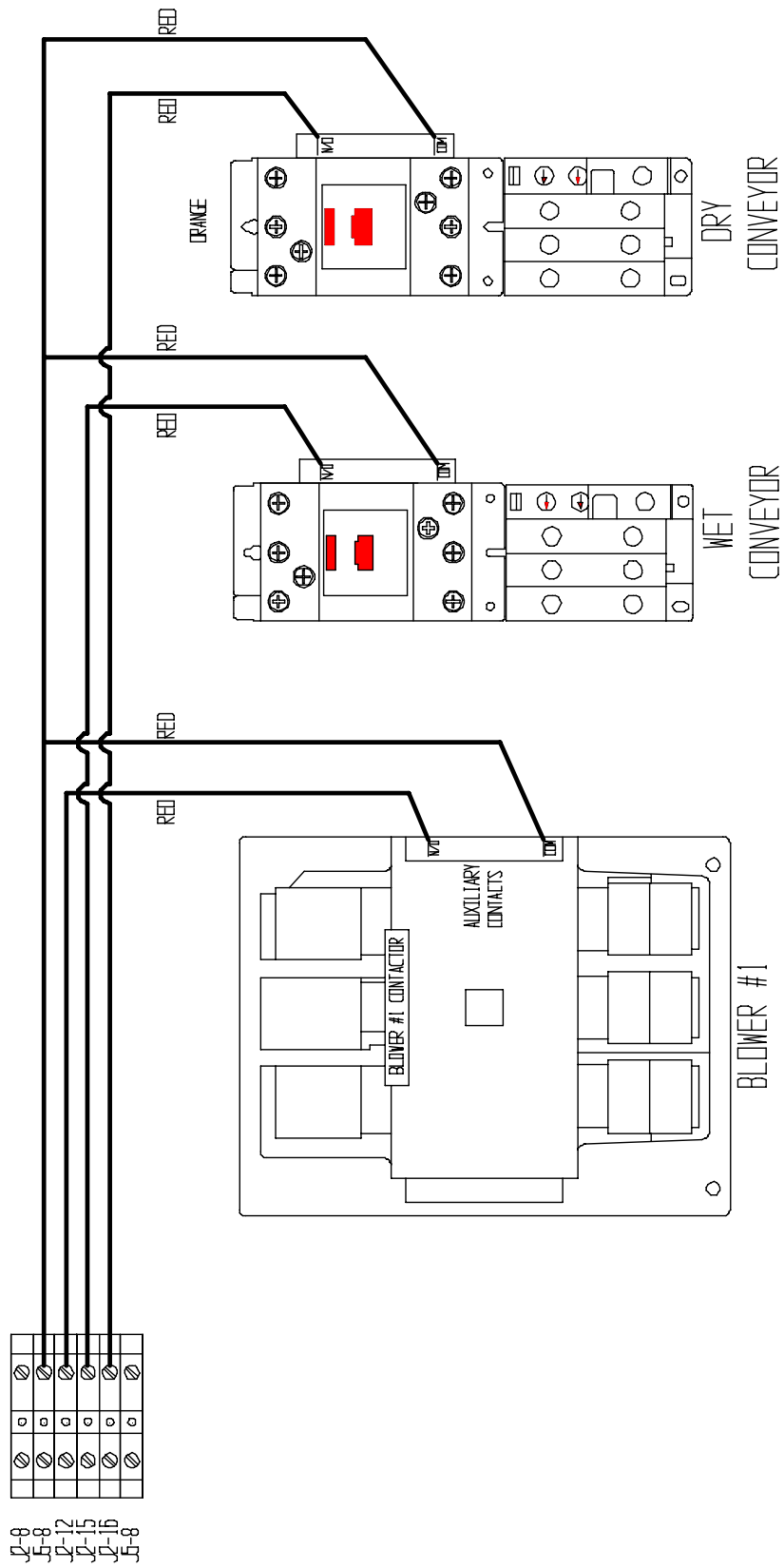
GS1 TOWER DRYER WIRING DIAGRAMS

SINGLE FAN EXTERNAL WIRING



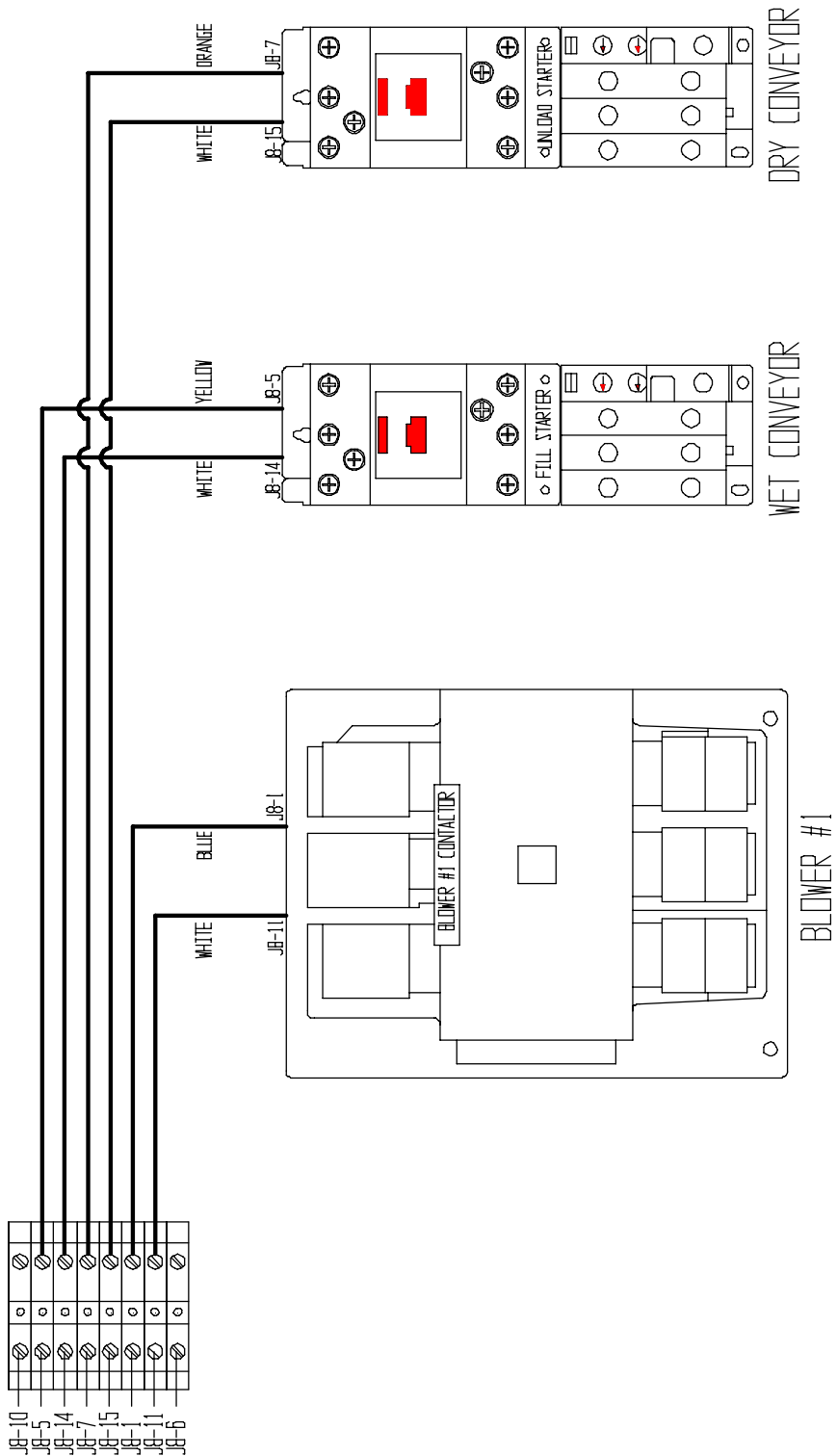
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SINGLE FAN AUXILIARY INTERLOCK WIRING



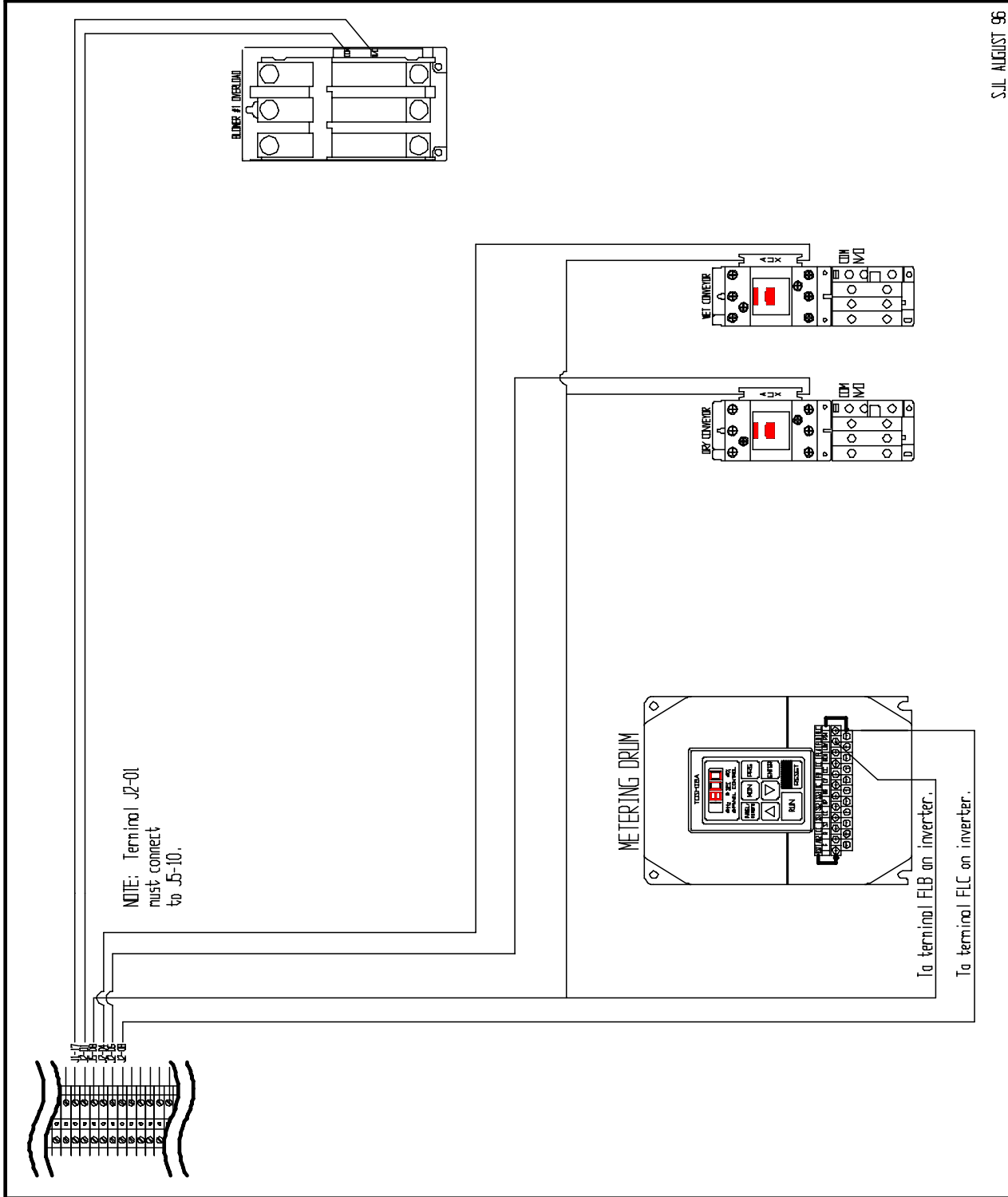
GS1 TOWER DRYER WIRING DIAGRAMS

SINGLE FAN CONTACTOR COIL WIRING



GS1 TOWER DRYER WIRING DIAGRAMS

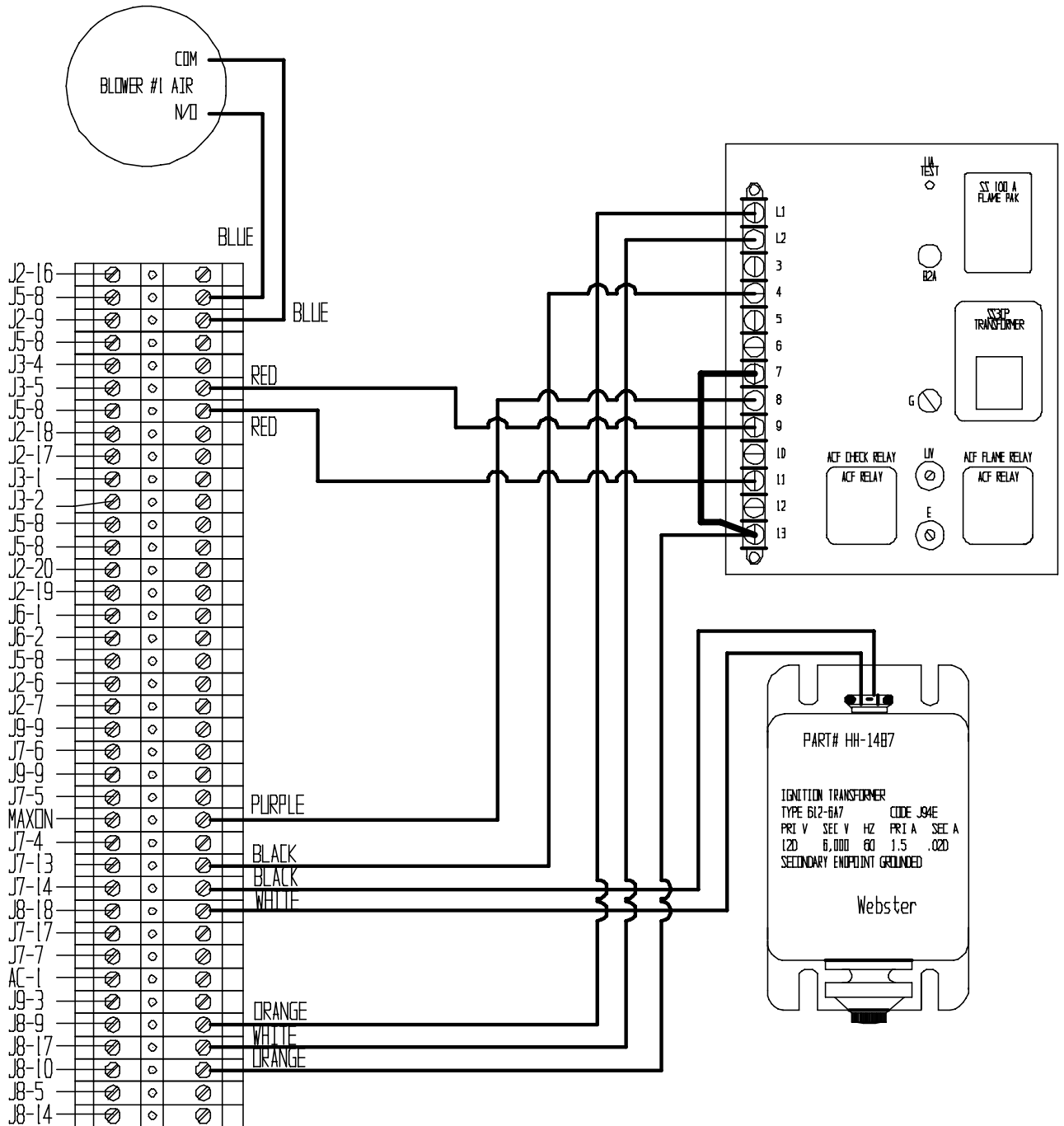
SINGLE FAN OVERLOAD WIRING



S.J.L. AUGUST 96

GS1 TOWER DRYER WIRING DIAGRAMS

SINGLE FAN PROTECTOFIER/IGNITION/AIRSWITCH WIRING



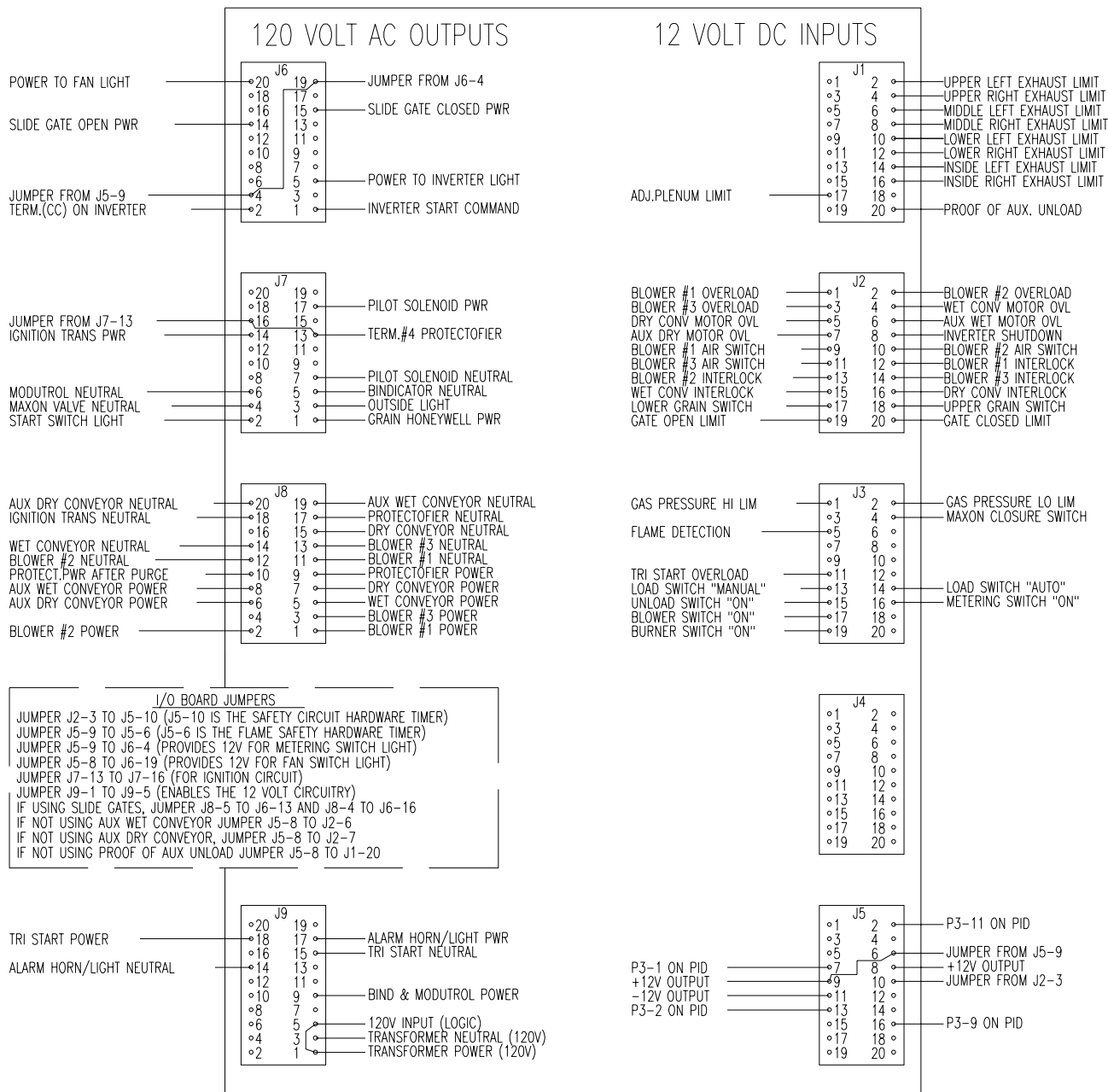
GSI TOWER DRYER WIRING DIAGRAMS

THREE FAN WIRING



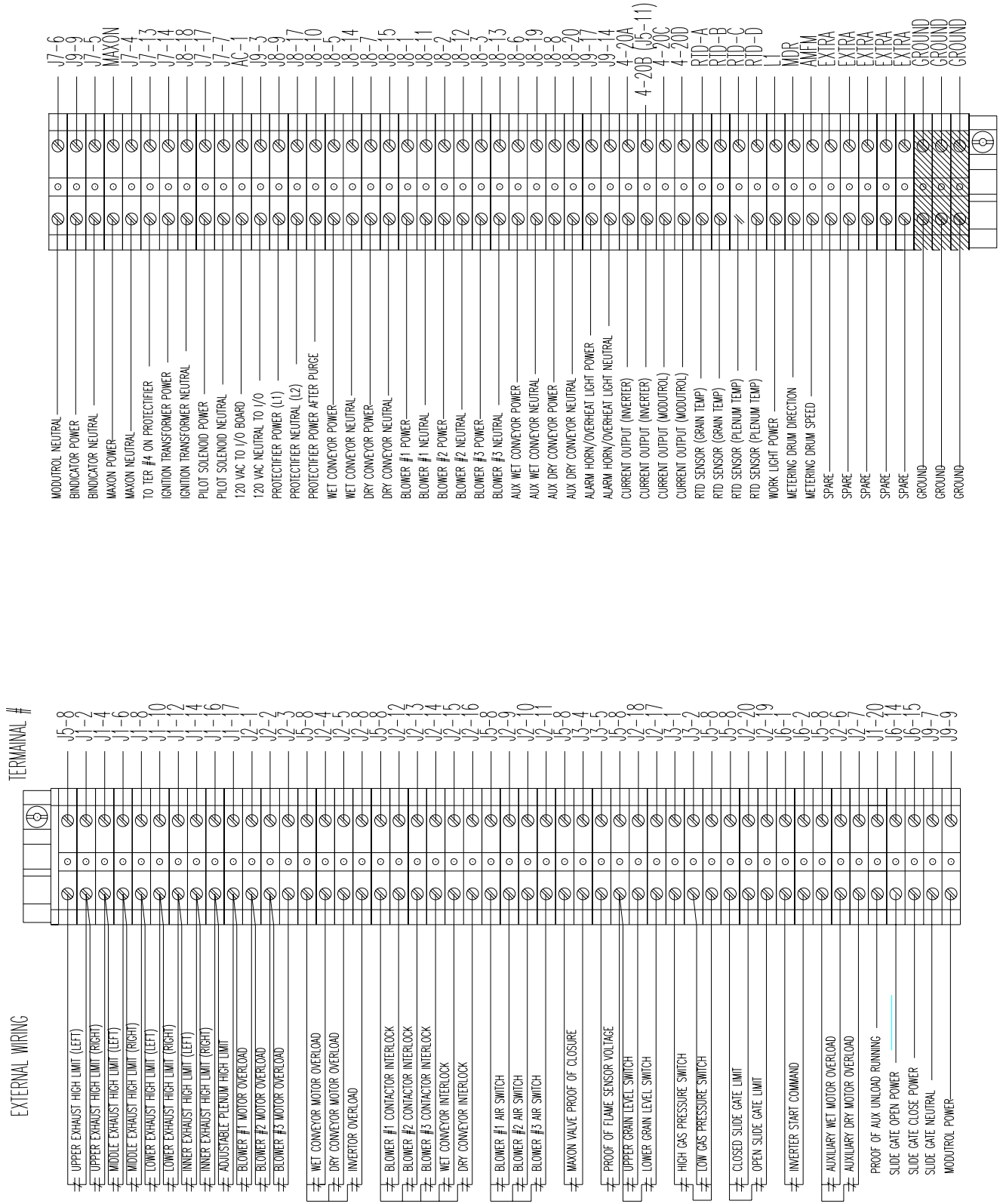
GSi TOWER DRYER WIRING DIAGRAMS

THREE FAN INPUT/OUTPUT BOARD



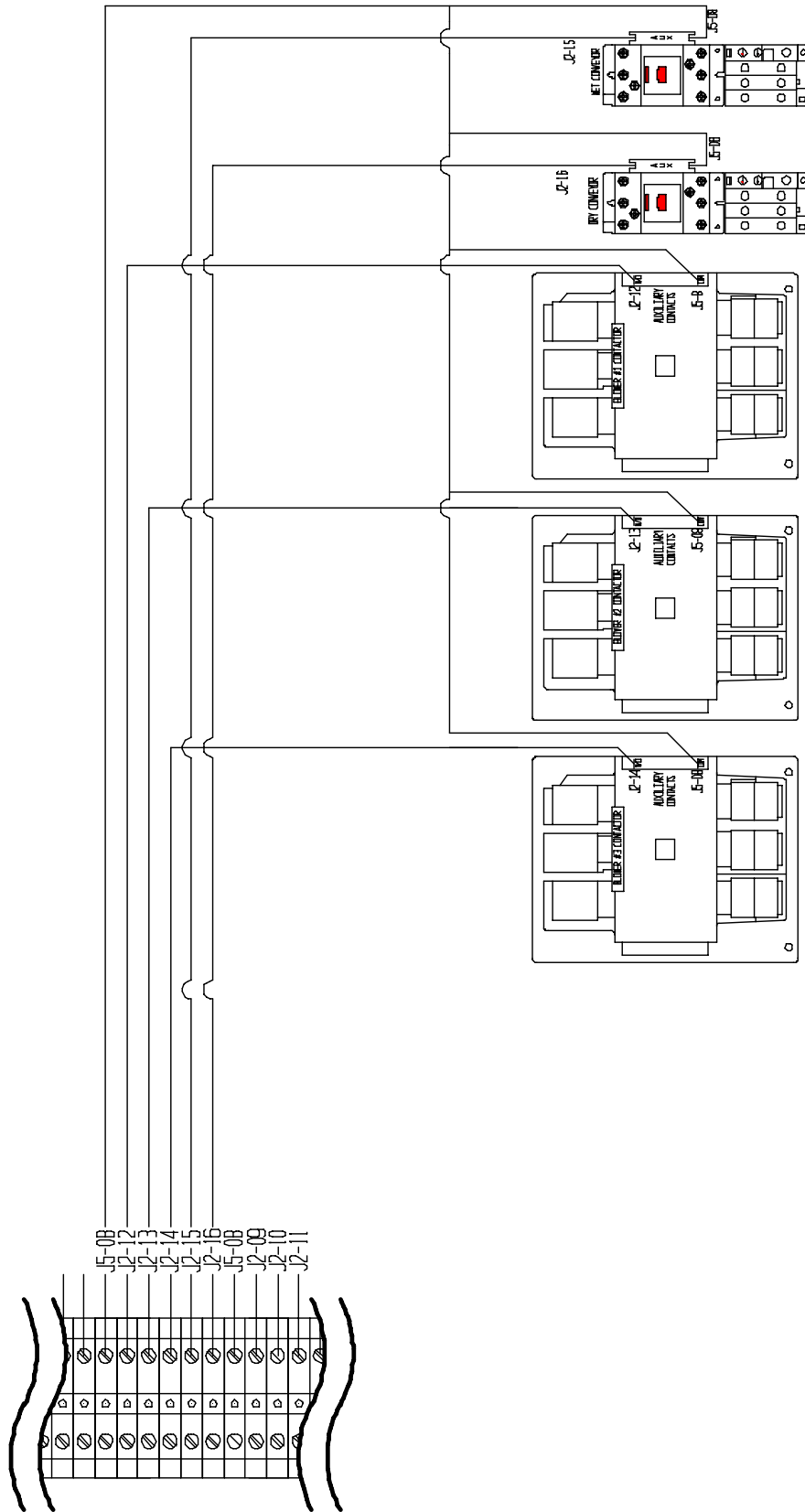
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THREE FAN EXTERNAL WIRING



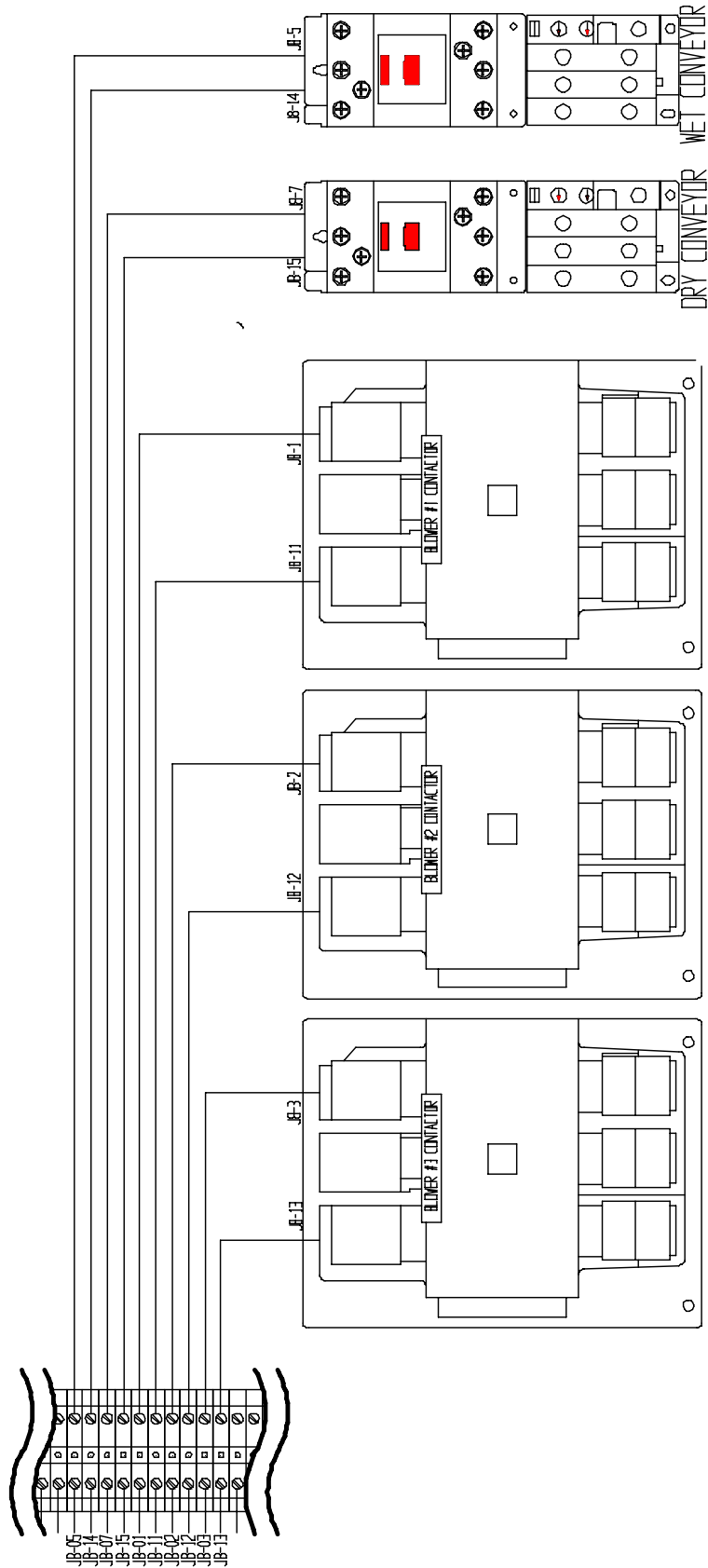
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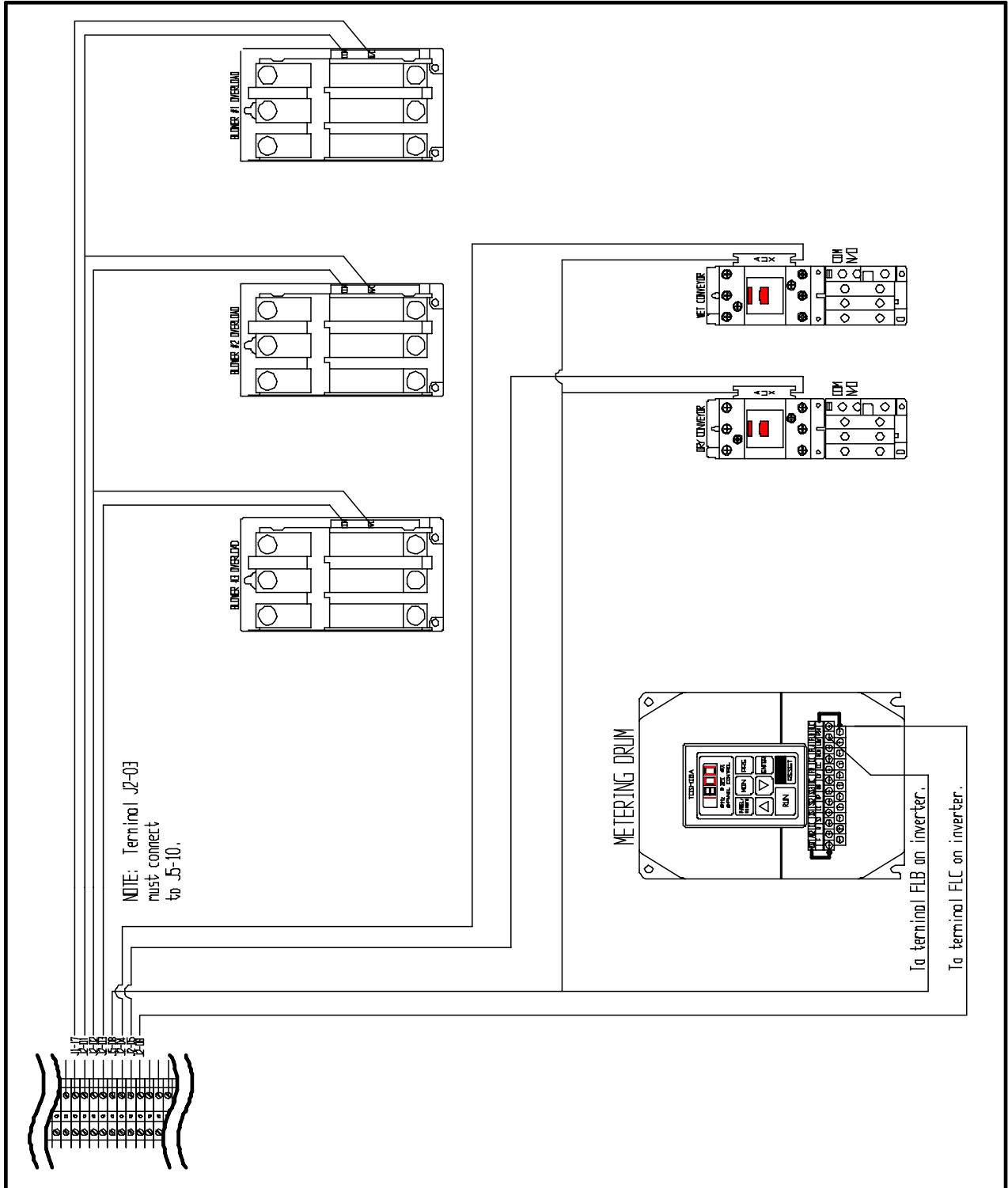
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THREE FAN CONTACTOR COIL WIRING



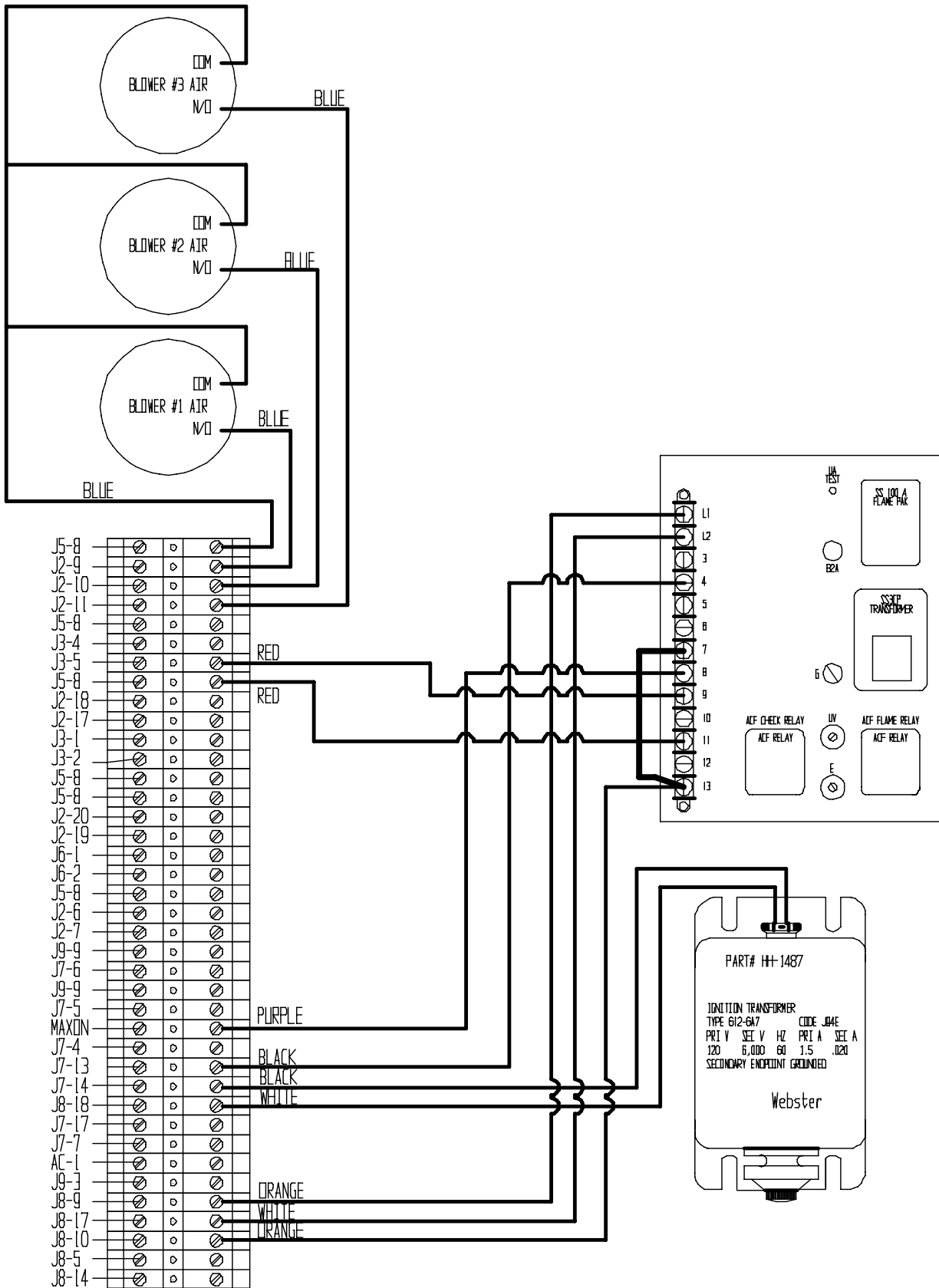
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THREE FAN OVERLOAD WIRING



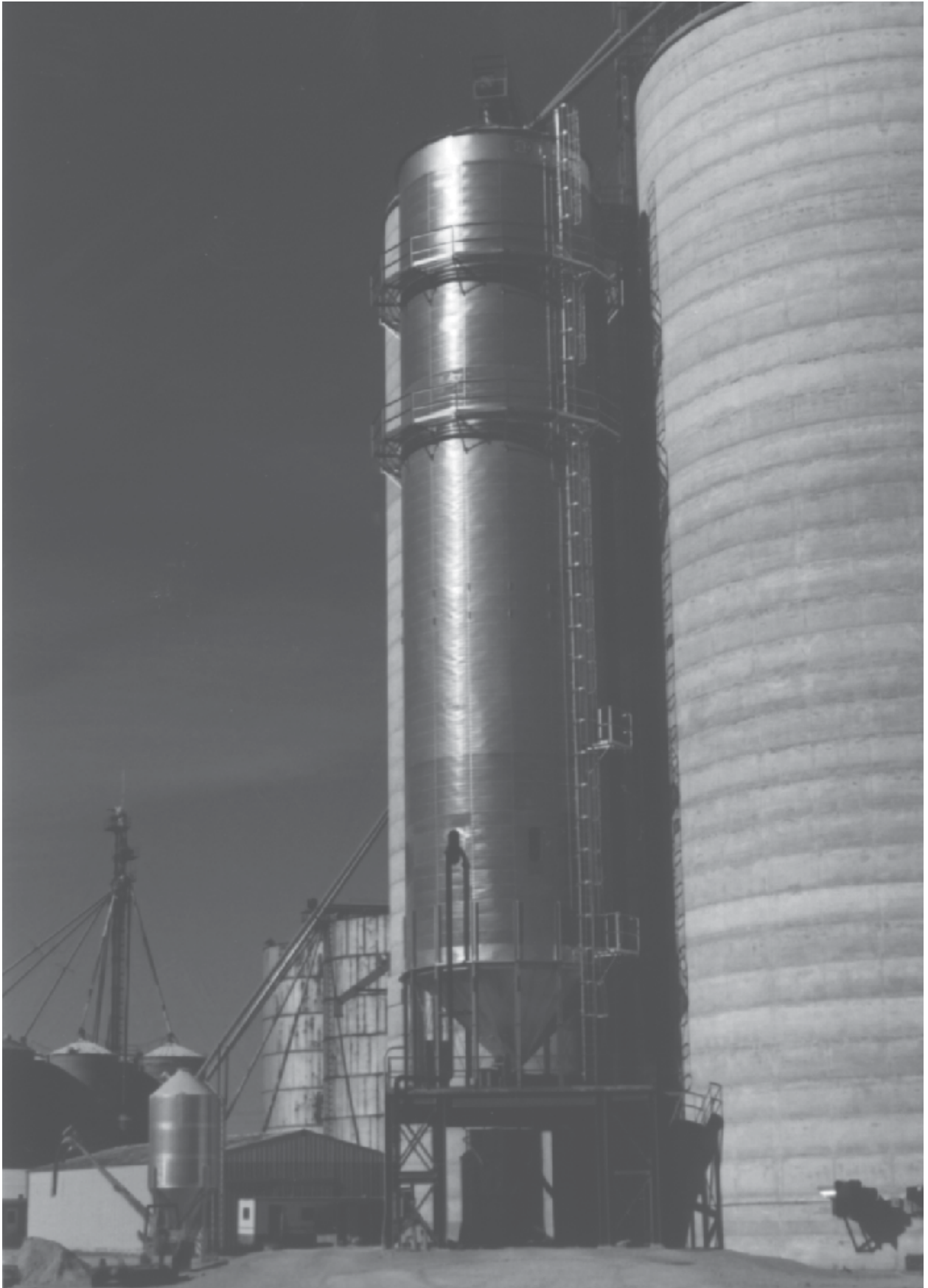
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THREE FAN PROTECTOFIER/IGNITION/AIRSWITCH WIRING



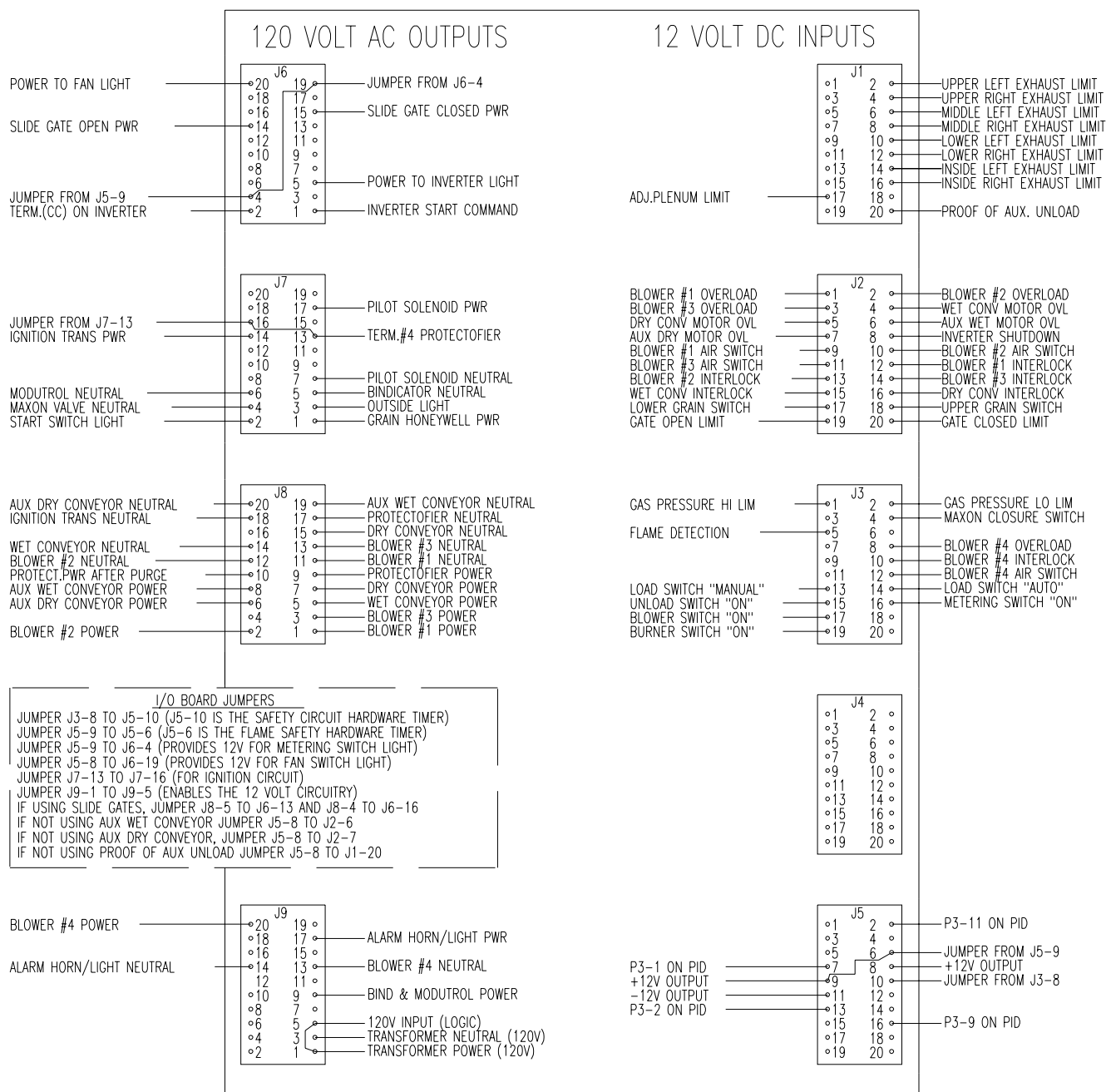
GSI TOWER DRYER WIRING DIAGRAMS

FOUR FAN WIRING



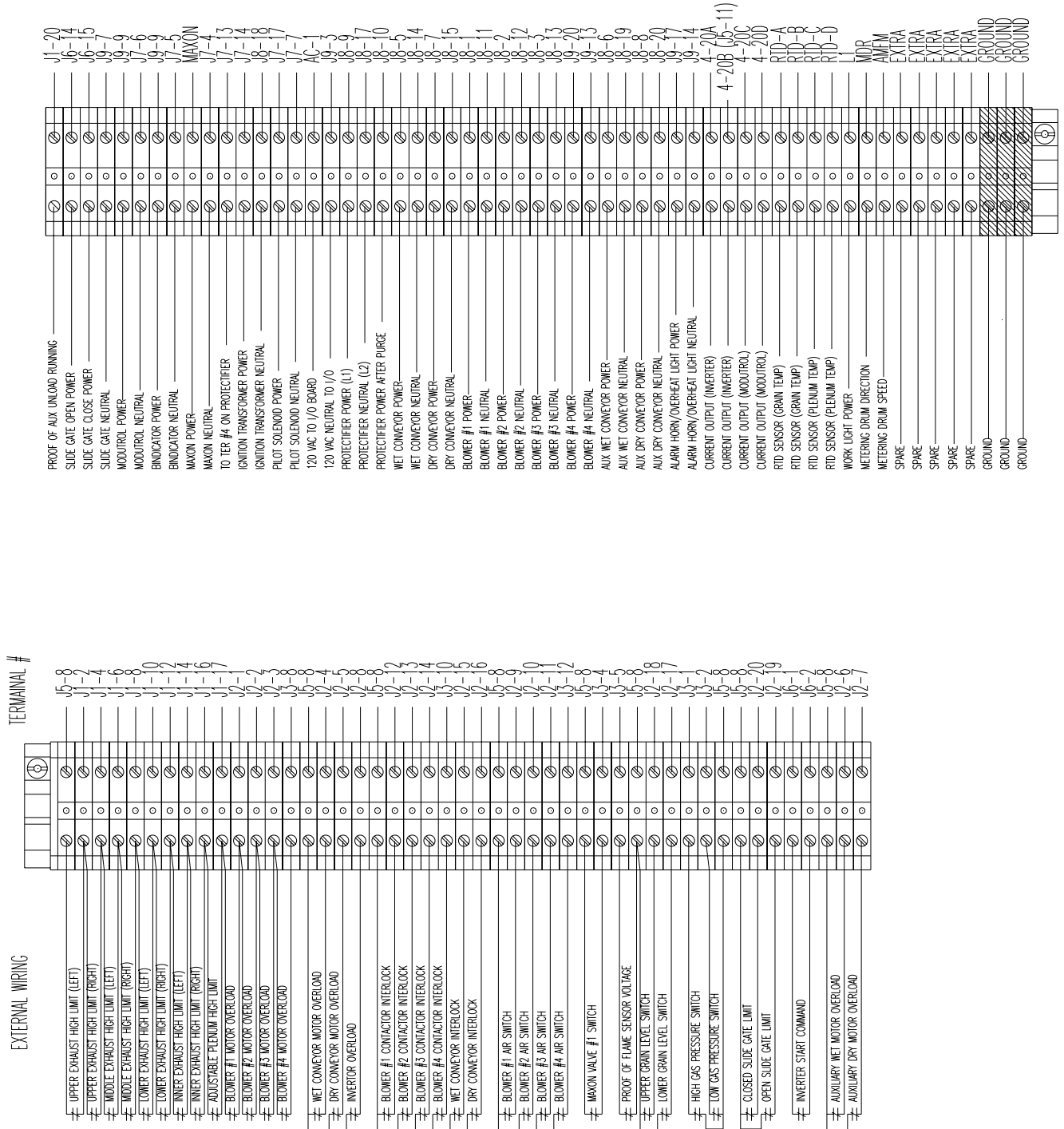
GS1 TOWER DRYER WIRING DIAGRAMS

FOUR FAN INPUT/OUTPUT BOARD



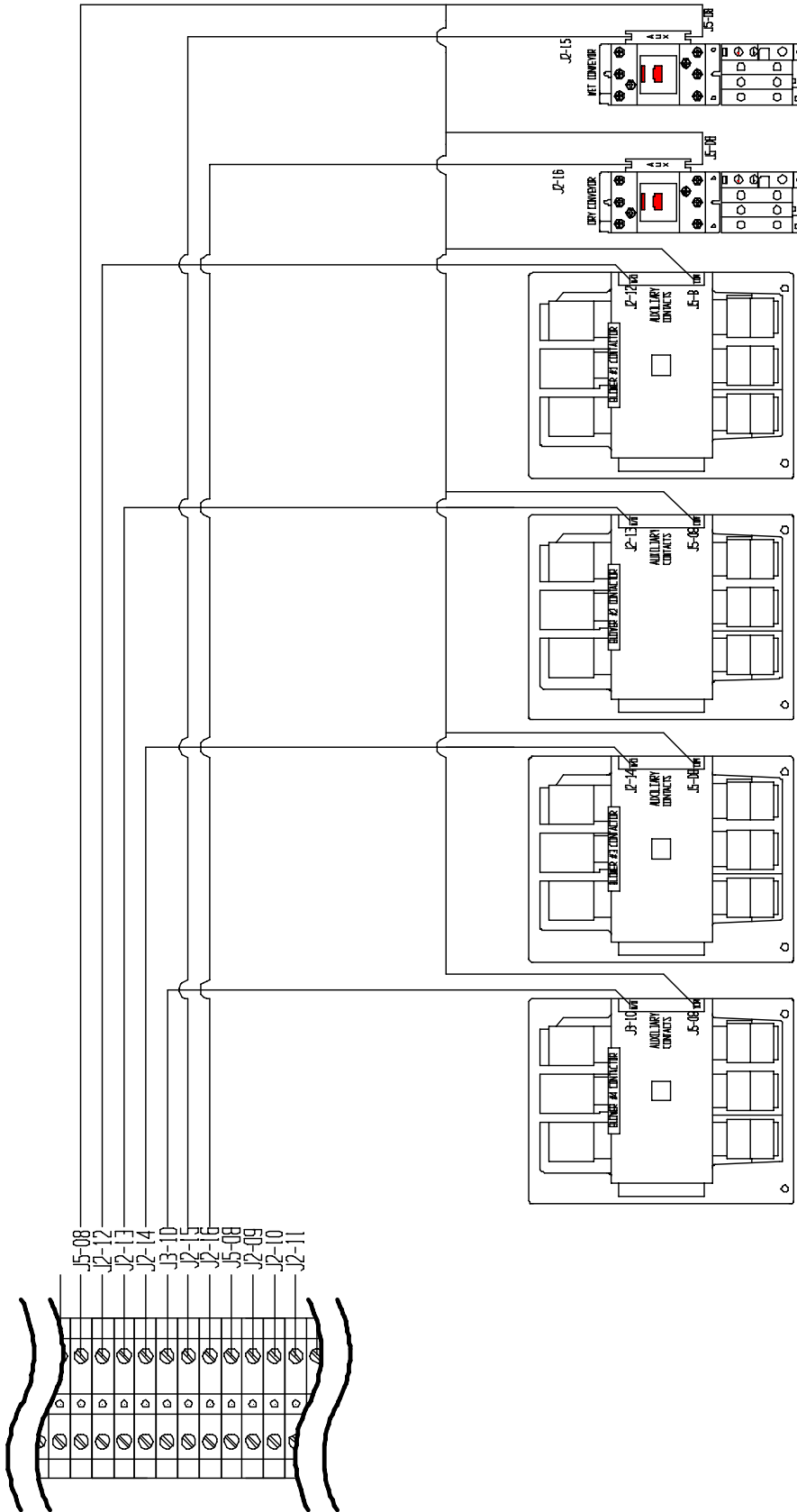
GSi TOWER DRYER WIRING DIAGRAMS

FOUR FAN EXTERNAL WIRING



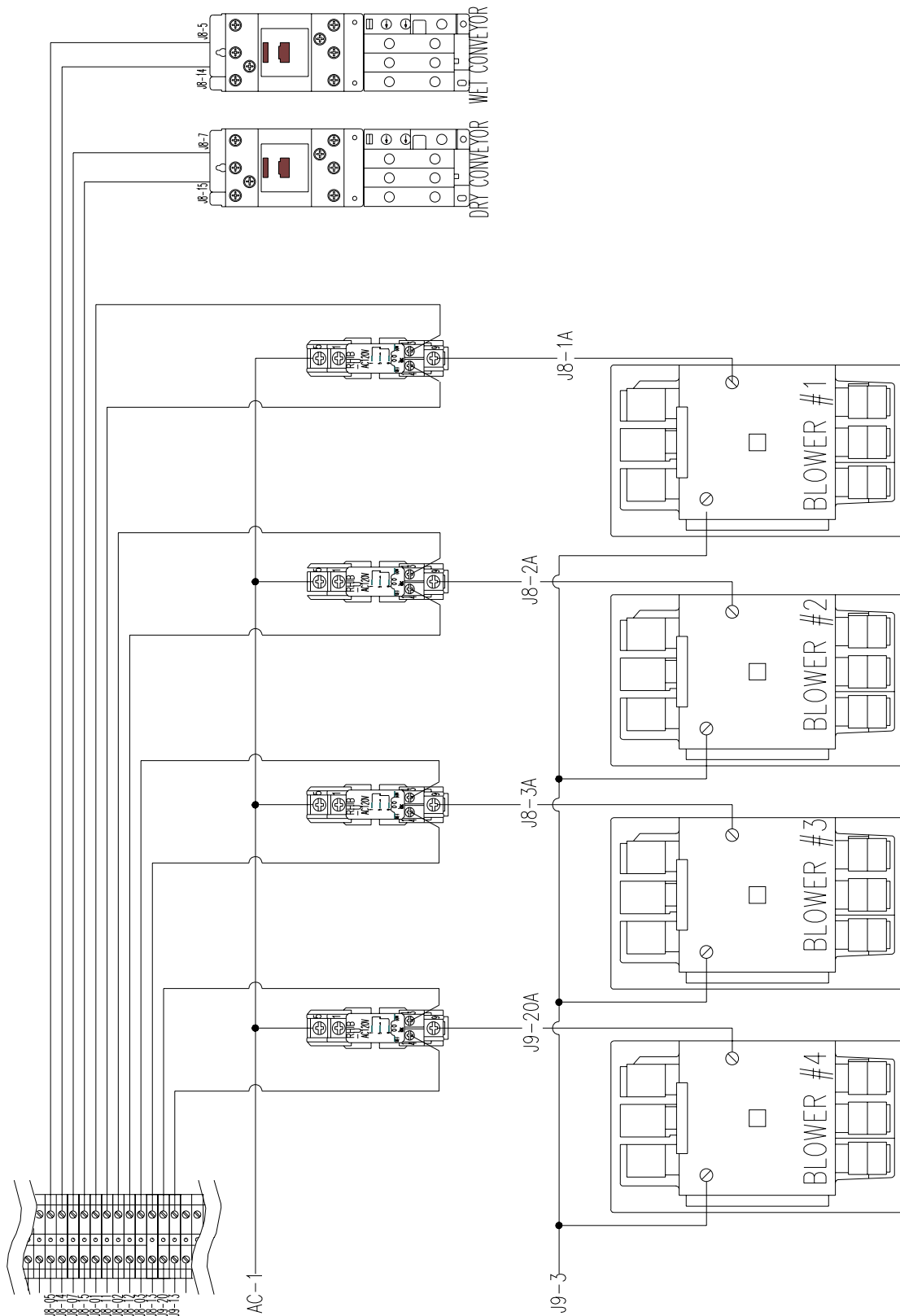
GSI TOWER DRYER WIRING DIAGRAMS

FOUR FAN AUXILIARY INTERLOCK WIRING



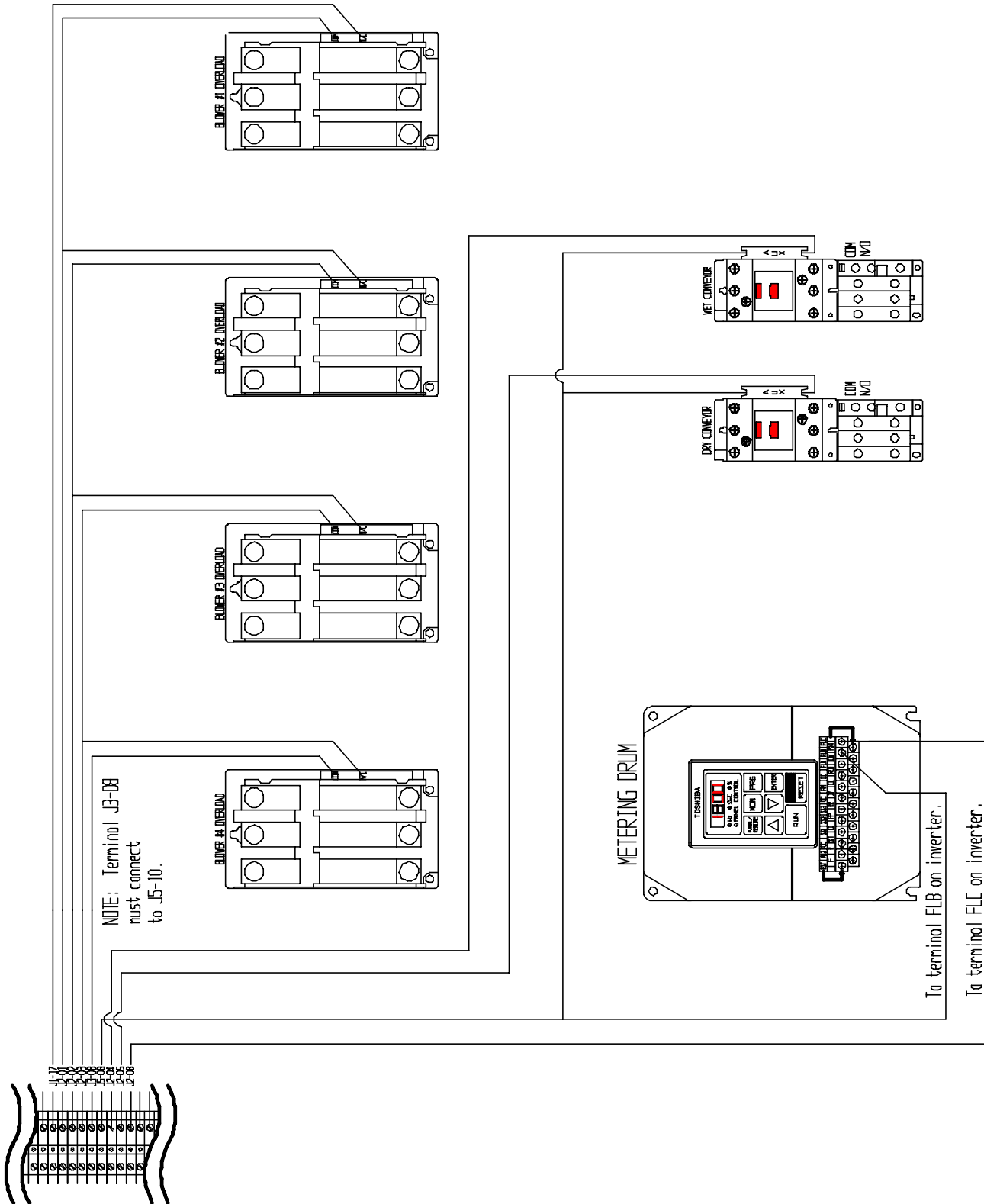
GSI TOWER DRYER WIRING DIAGRAMS

FOUR FAN CONTACTOR COIL WIRING



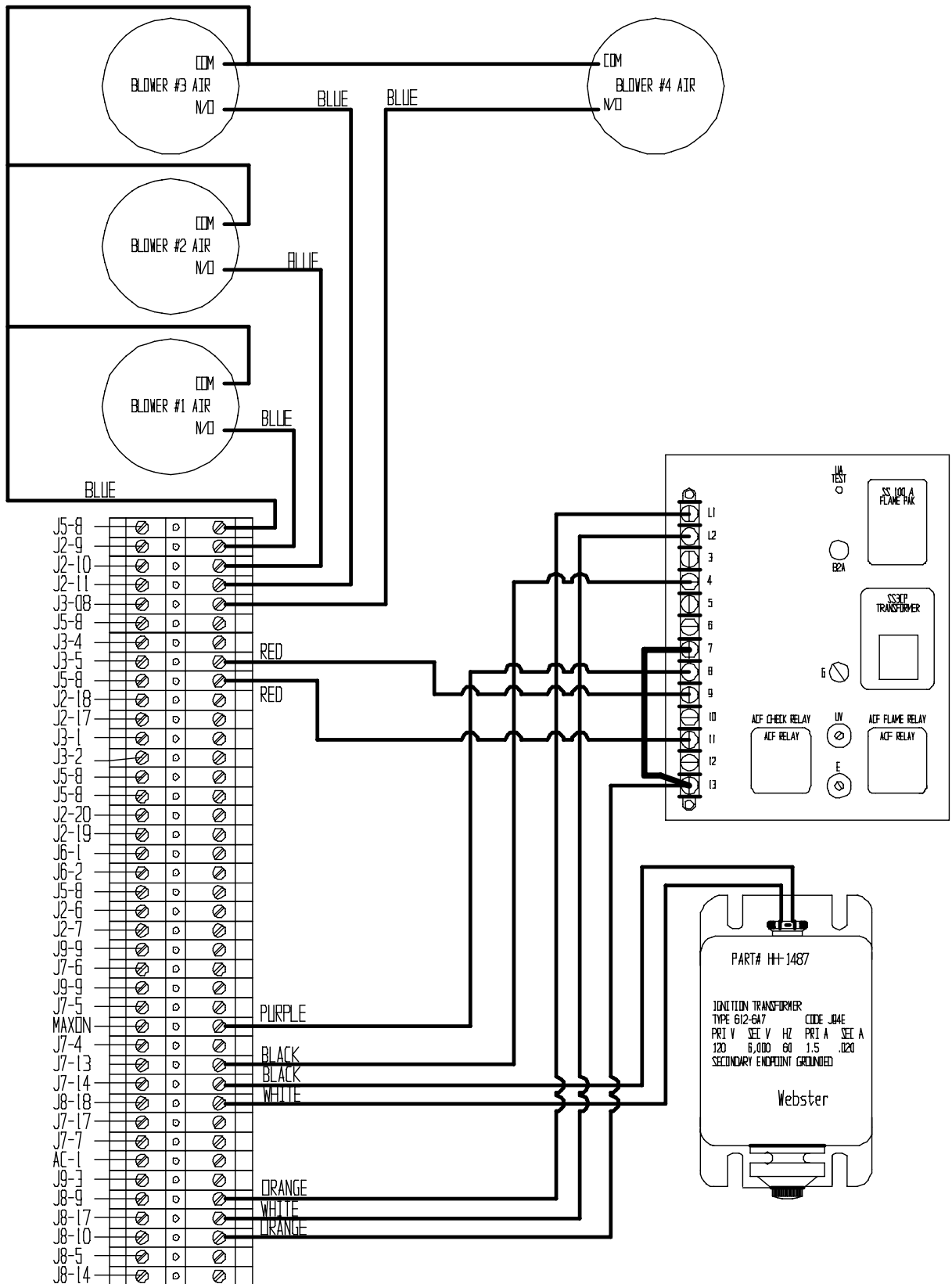
GSI TOWER DRYER WIRING DIAGRAMS

FOUR FAN OVERLOAD WIRING



GS1 TOWER DRYER WIRING DIAGRAMS

FOUR FAN PROTECTOFIER/IGNITION/AIRSWITCH WIRING

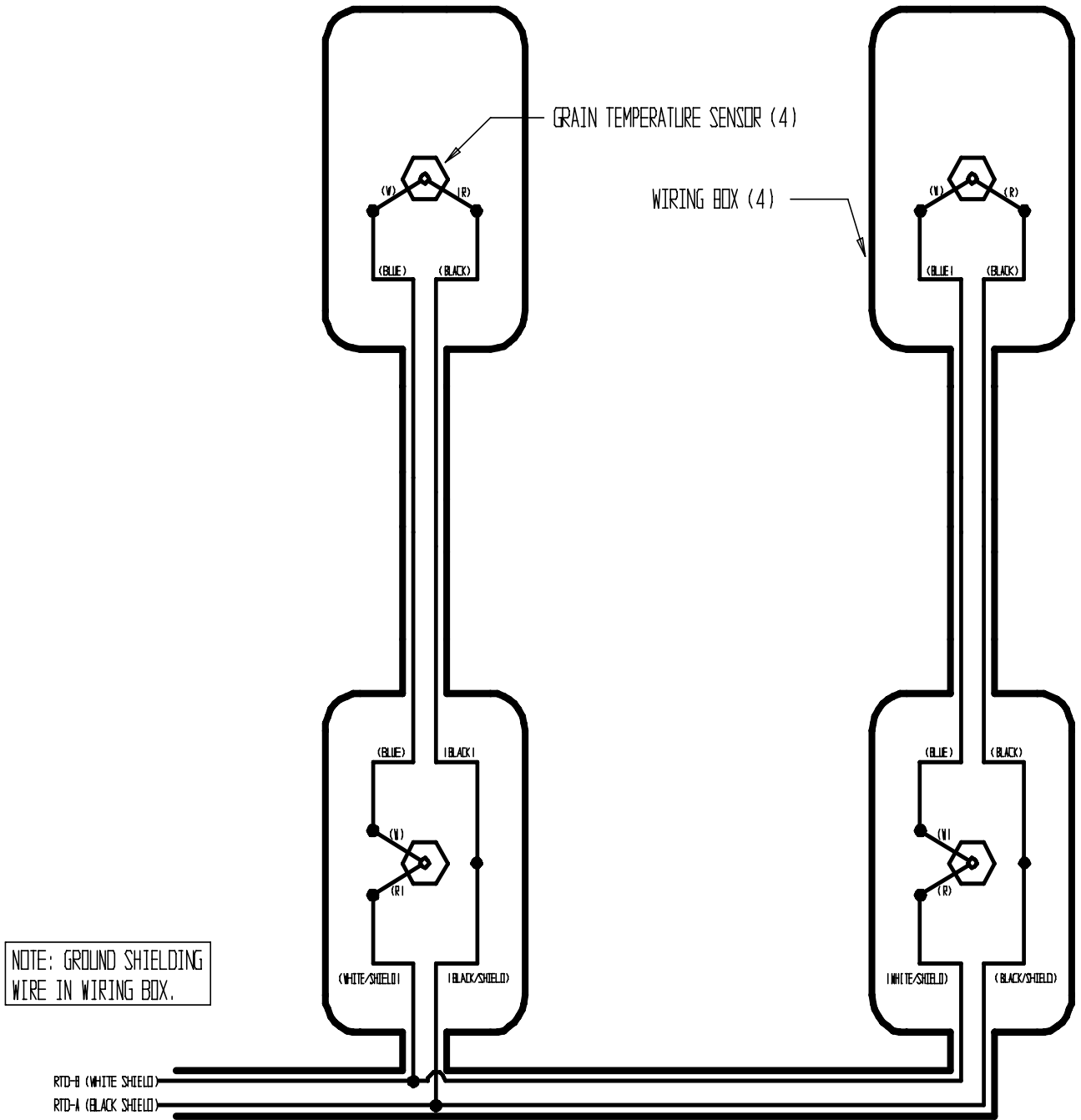


GSI TOWER DRYER WIRING DIAGRAMS

SENSOR WIRING

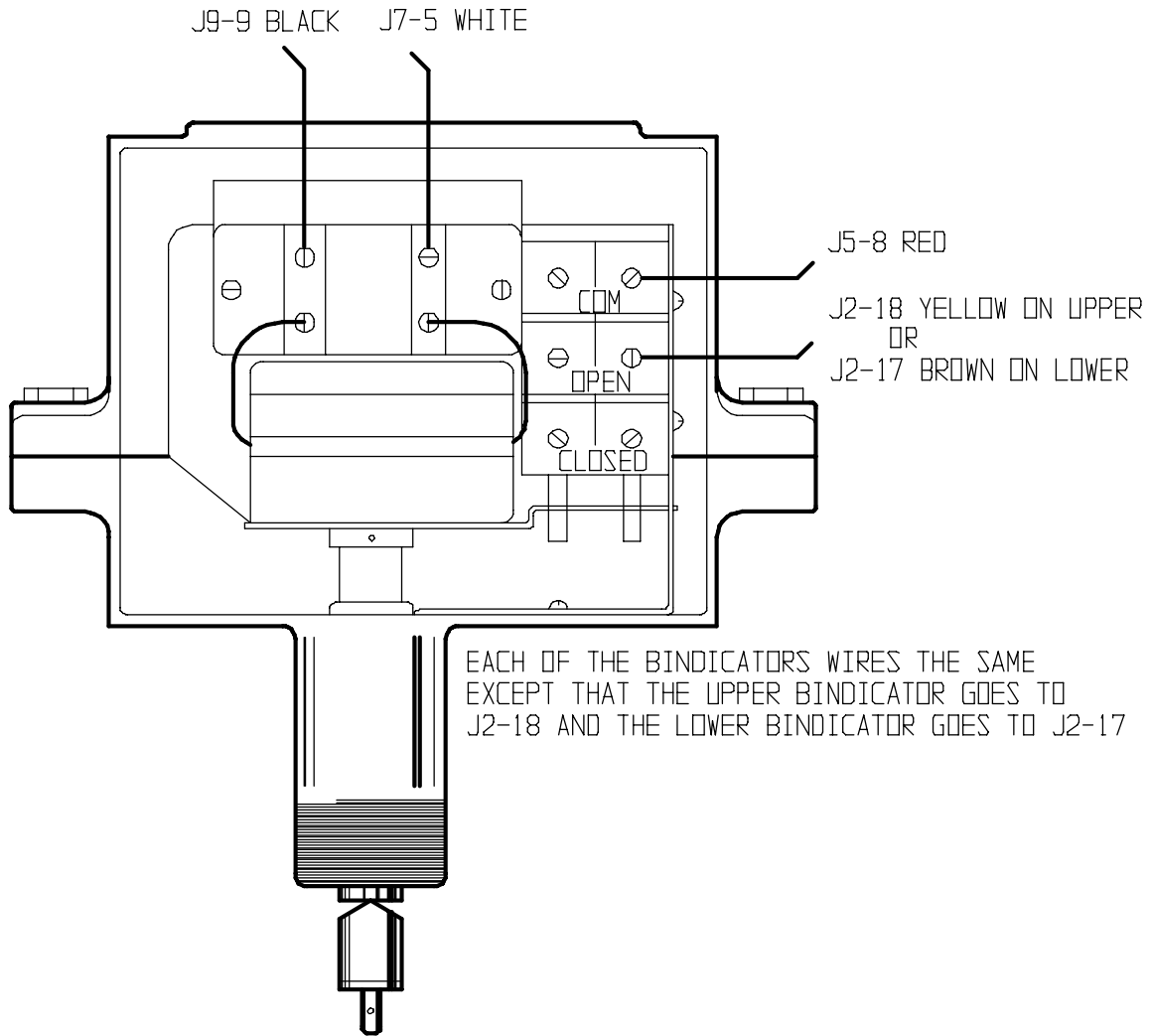
GS1 TOWER DRYER WIRING DIAGRAMS

GRAIN TEMPERATURE SENSOR WIRING



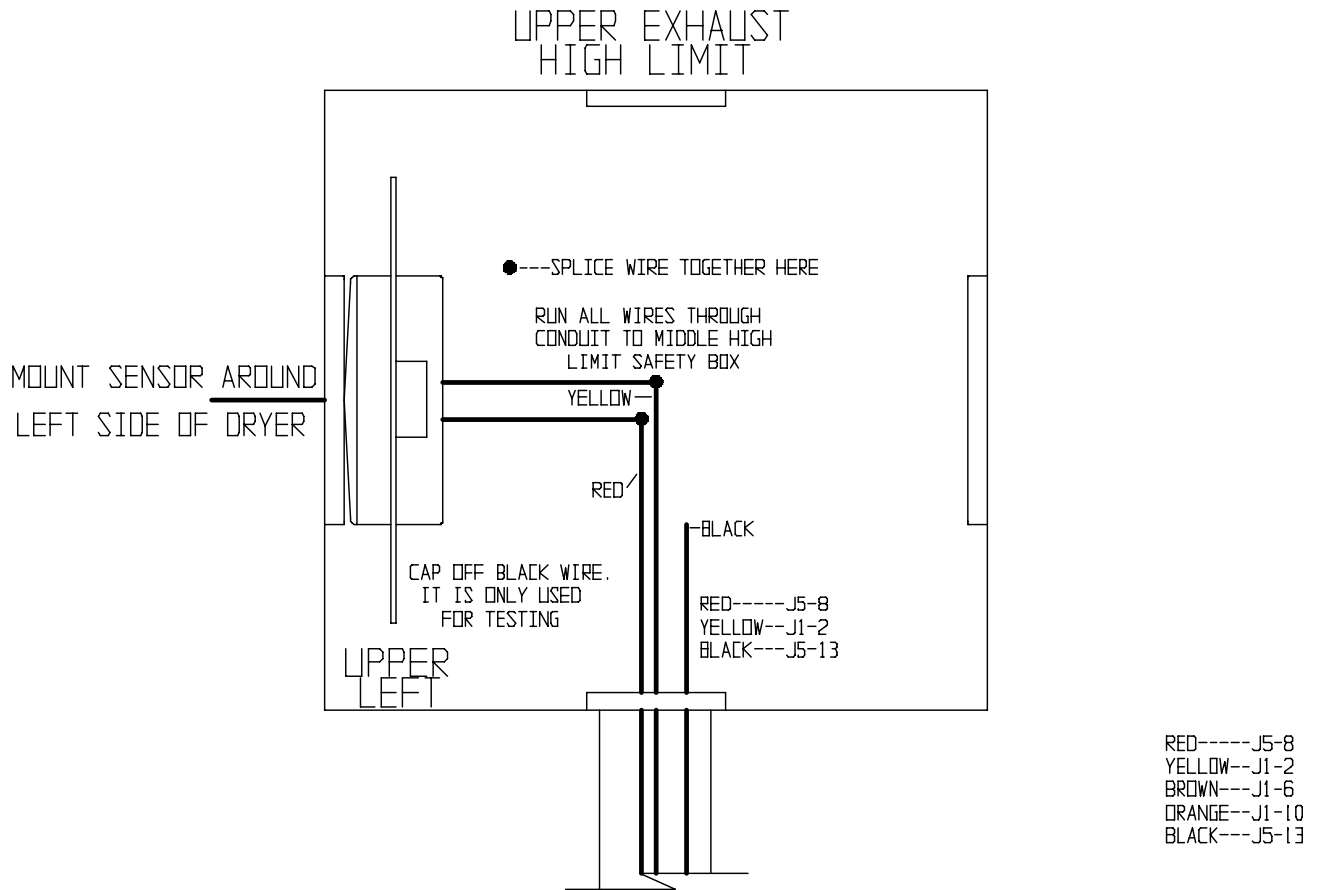
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BINDICATOR WIRING



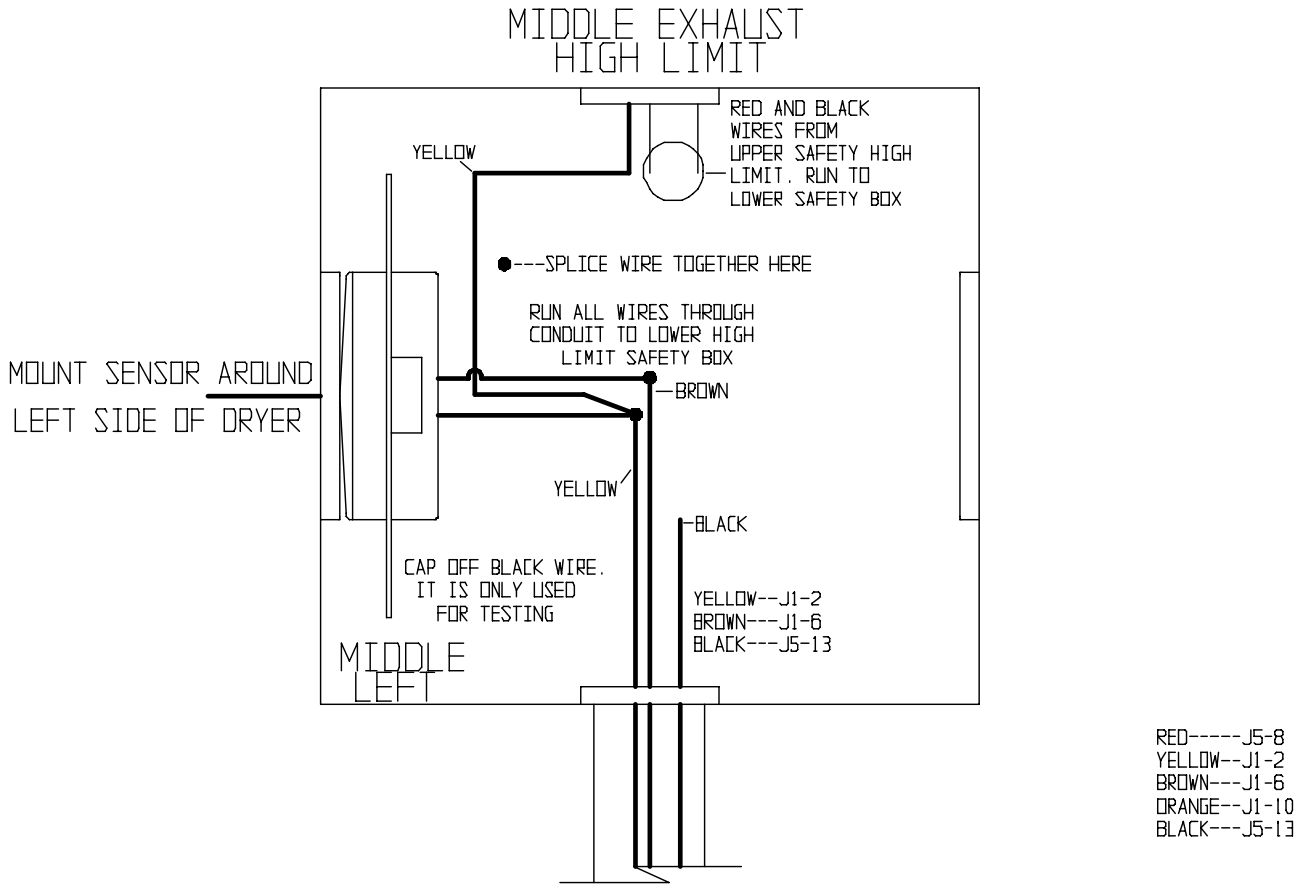
GSI TOWER DRYER WIRING DIAGRAMS

SINGLE FAN UPPER SAFETY HIGH LIMIT WIRING



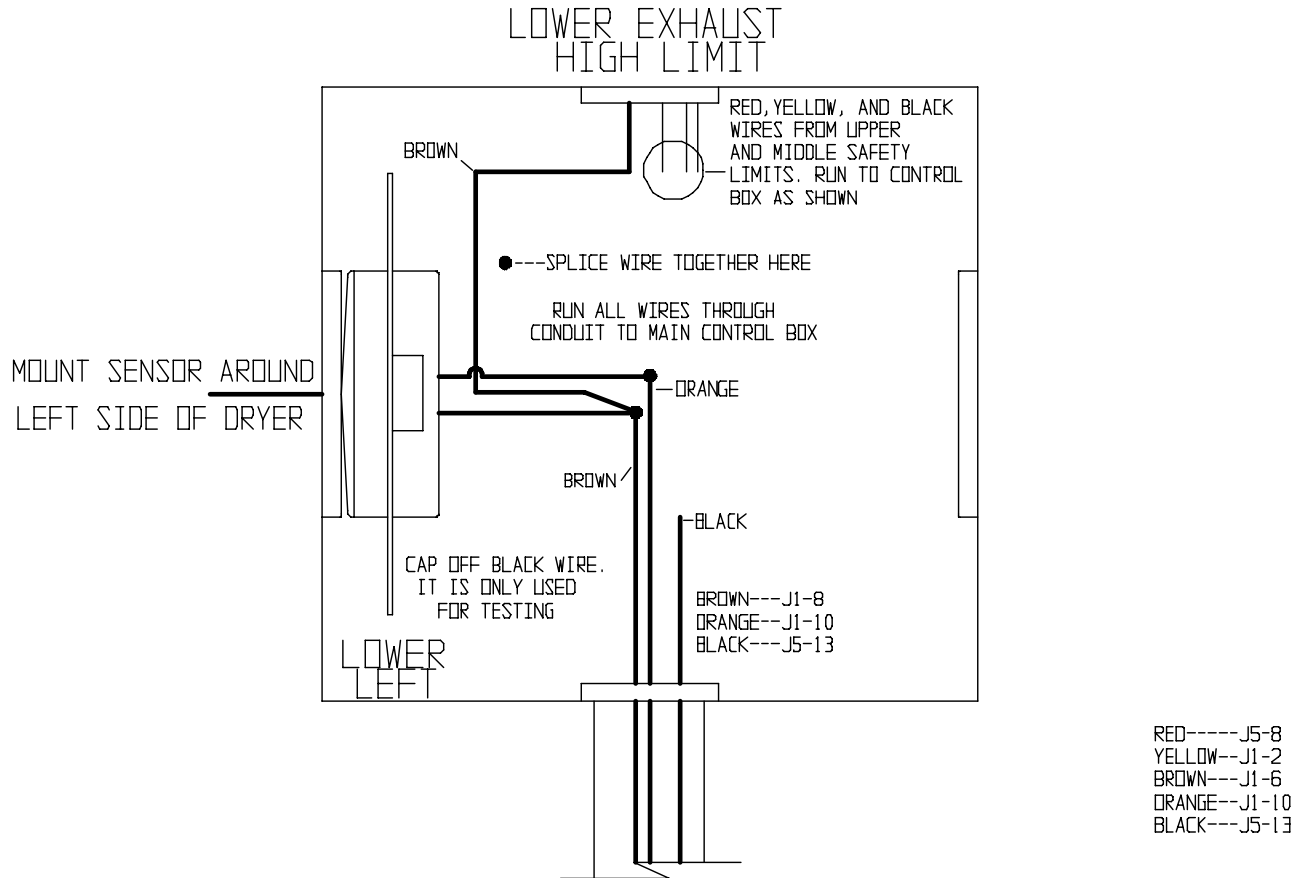
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SINGLE FAN MIDDLE SAFETY HIGH LIMIT WIRING



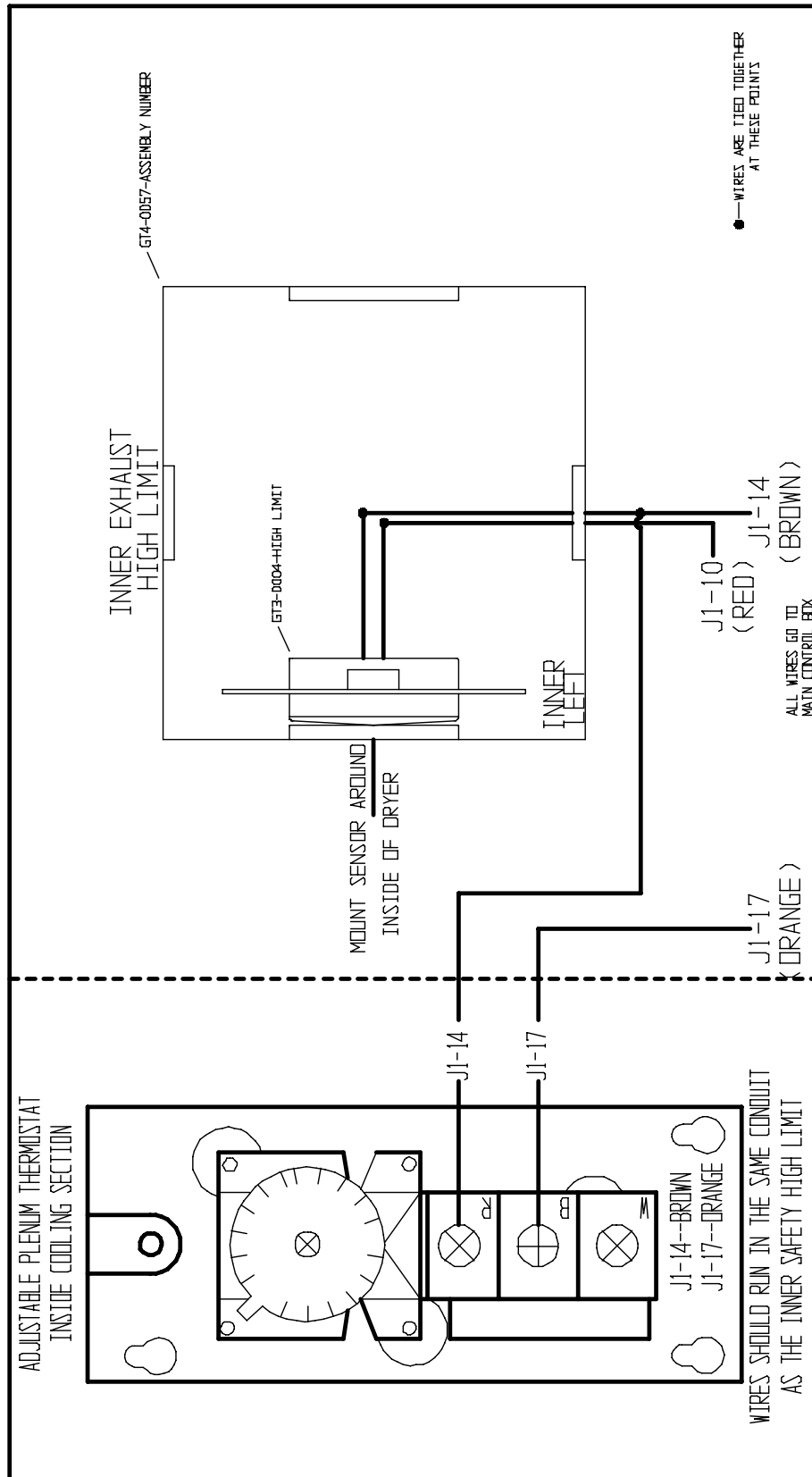
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SINGLE FAN LOWER SAFETY HIGH LIMIT WIRING



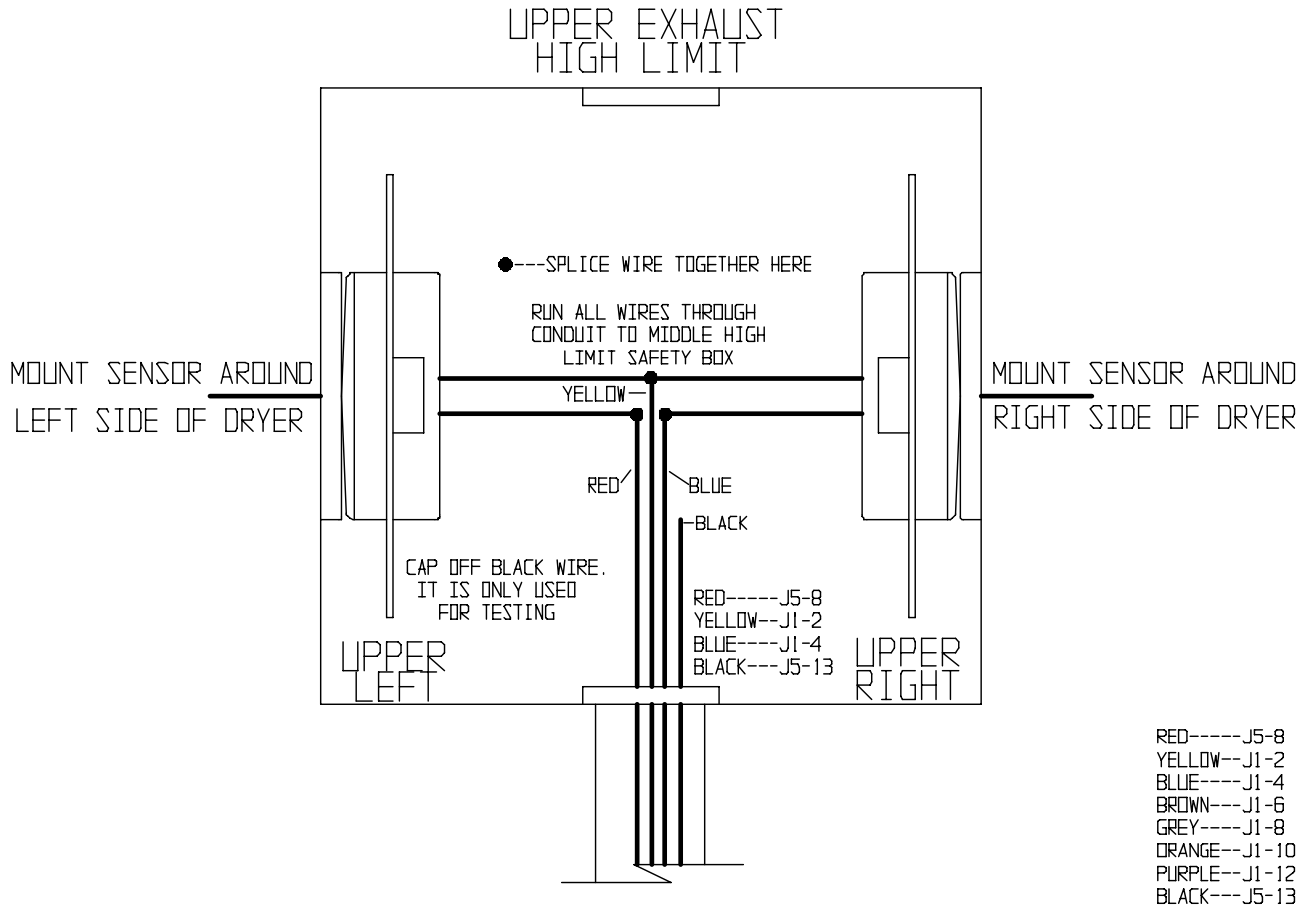
GS1 TOWER DRYER WIRING DIAGRAMS

SINGLE FAN INSIDE SAFETY HIGH LIMIT WIRING



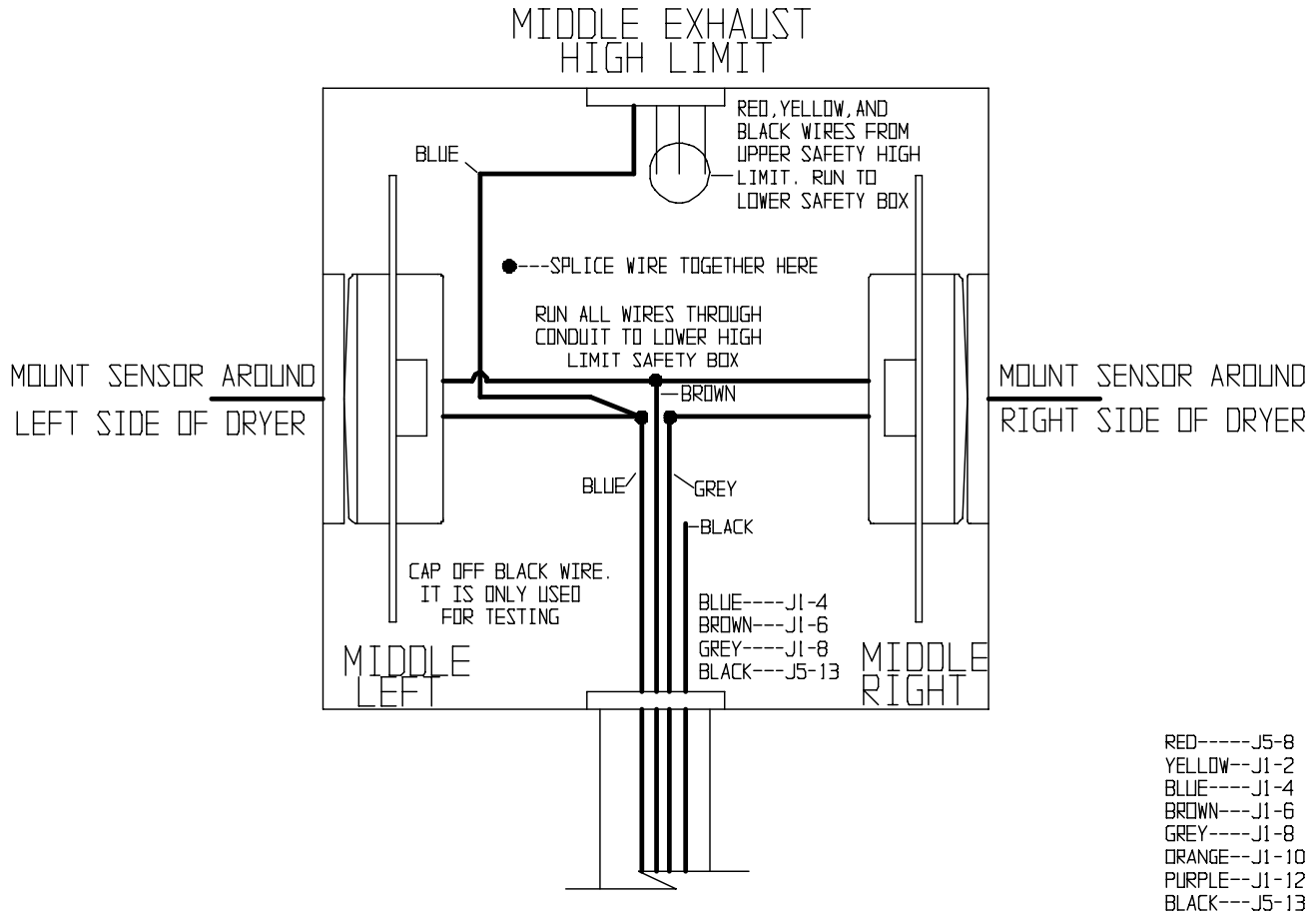
GSI TOWER DRYER WIRING DIAGRAMS

THREE & FOUR FAN UPPER SAFETY HIGH LIMIT WIRING



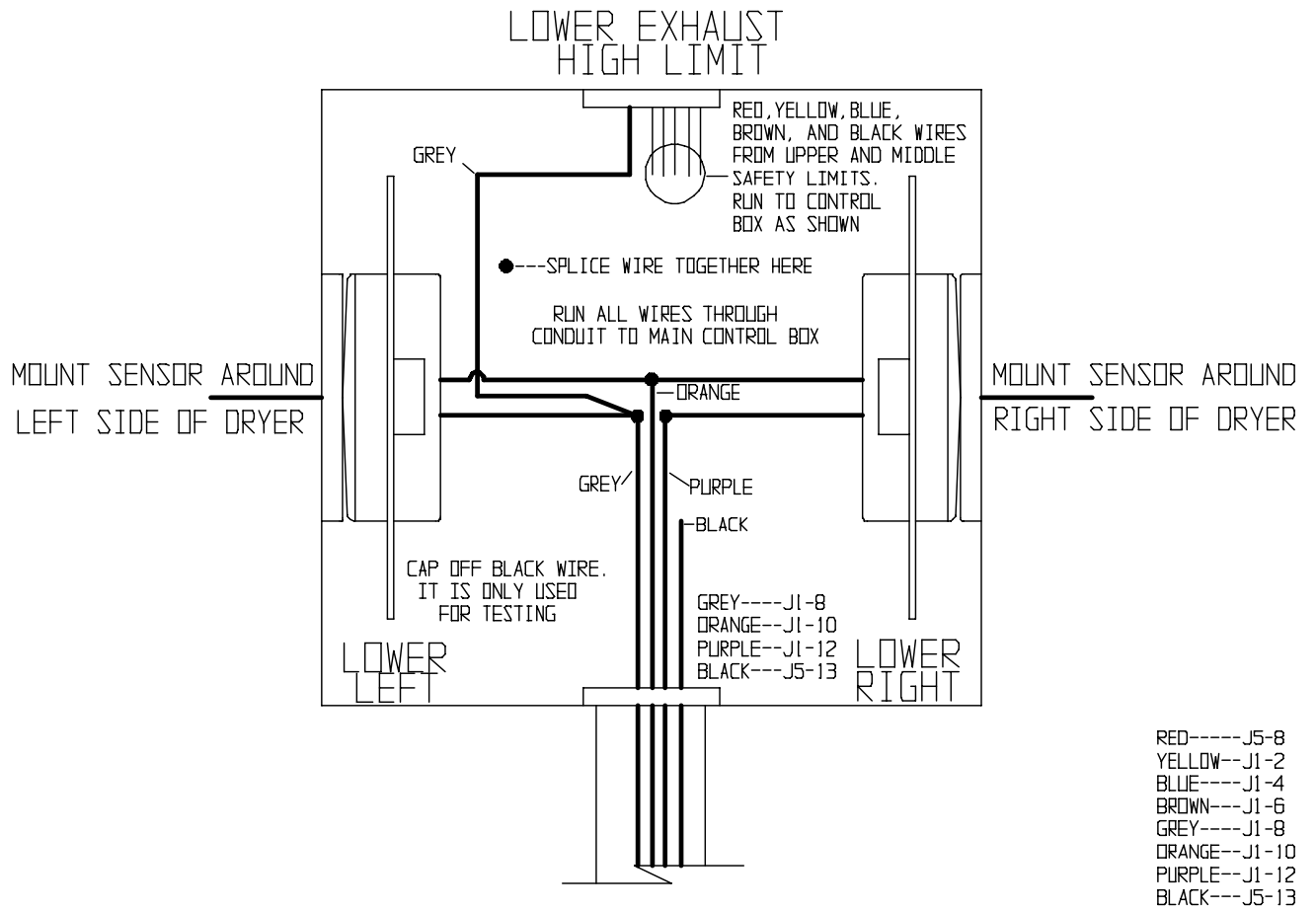
GSI TOWER DRYER WIRING DIAGRAMS

THREE & FOUR FAN MIDDLE SAFETY HIGH LIMIT WIRING



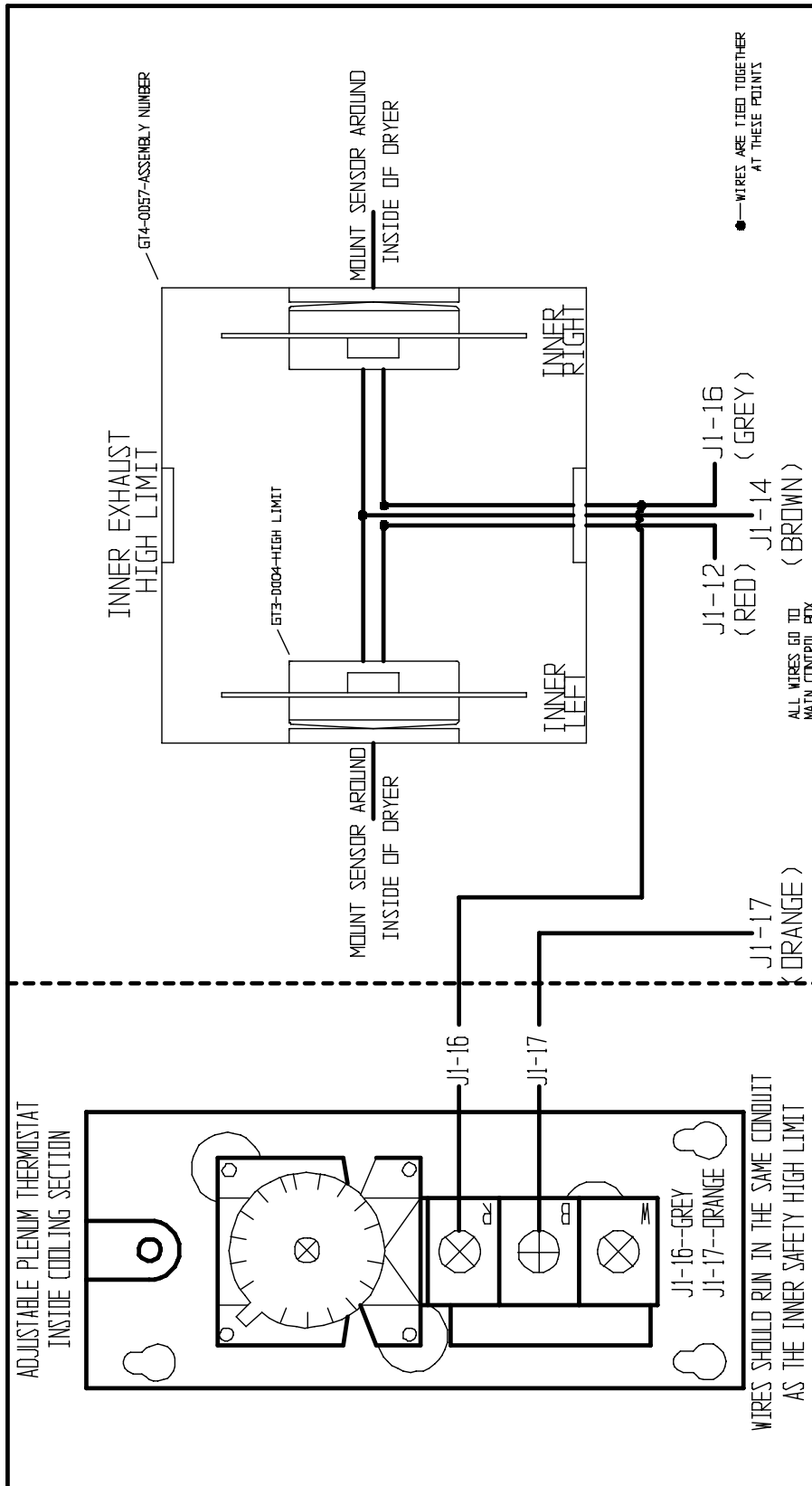
GSi TOWER DRYER WIRING DIAGRAMS

THREE & FOUR FAN LOWER SAFETY HIGH LIMIT WIRING



GSI TOWER DRYER WIRING DIAGRAMS

THREE & FOUR FAN INSIDE SAFETY HIGH LIMIT WIRING

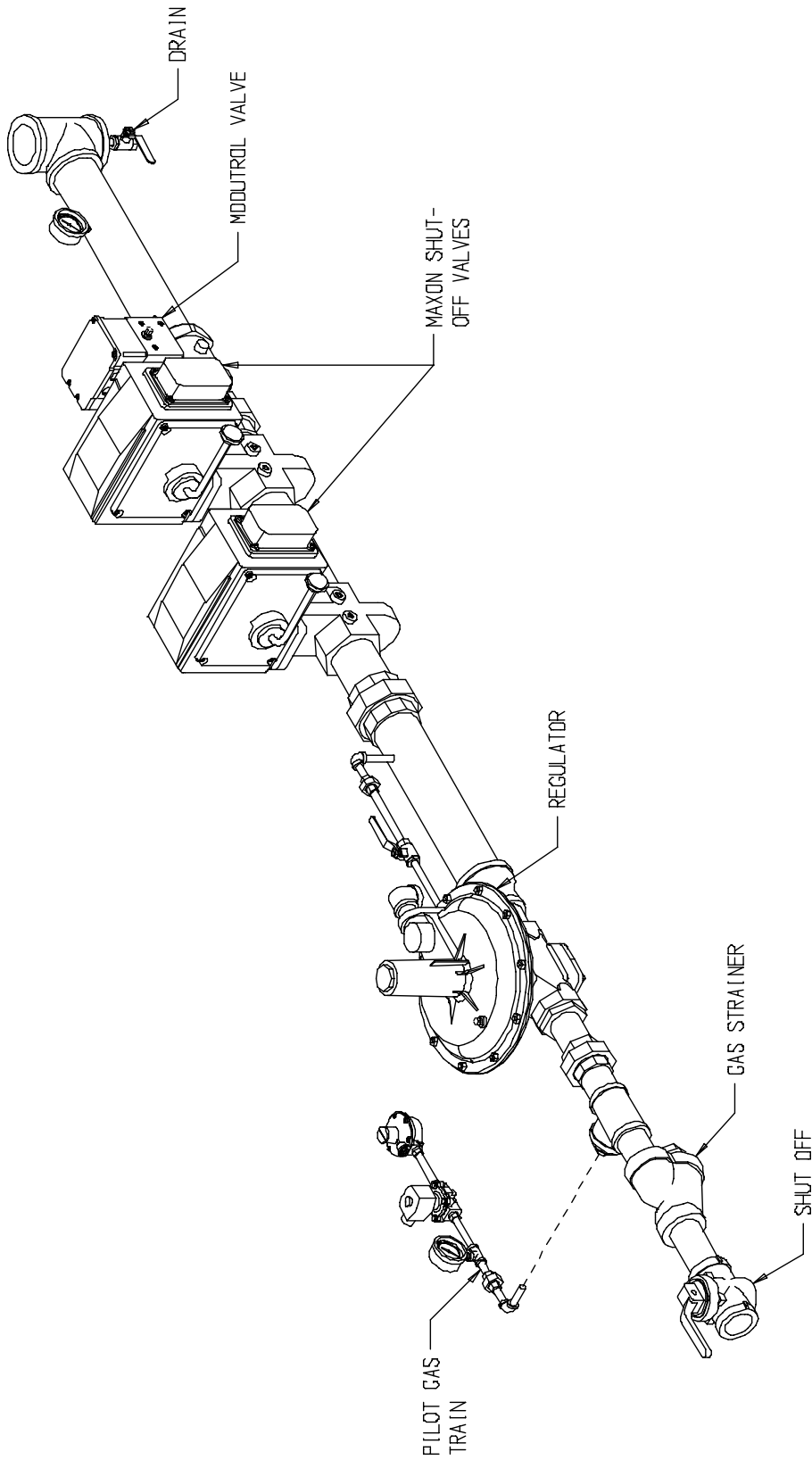


GS1 TOWER DRYER WIRING DIAGRAMS

FUEL TRAIN

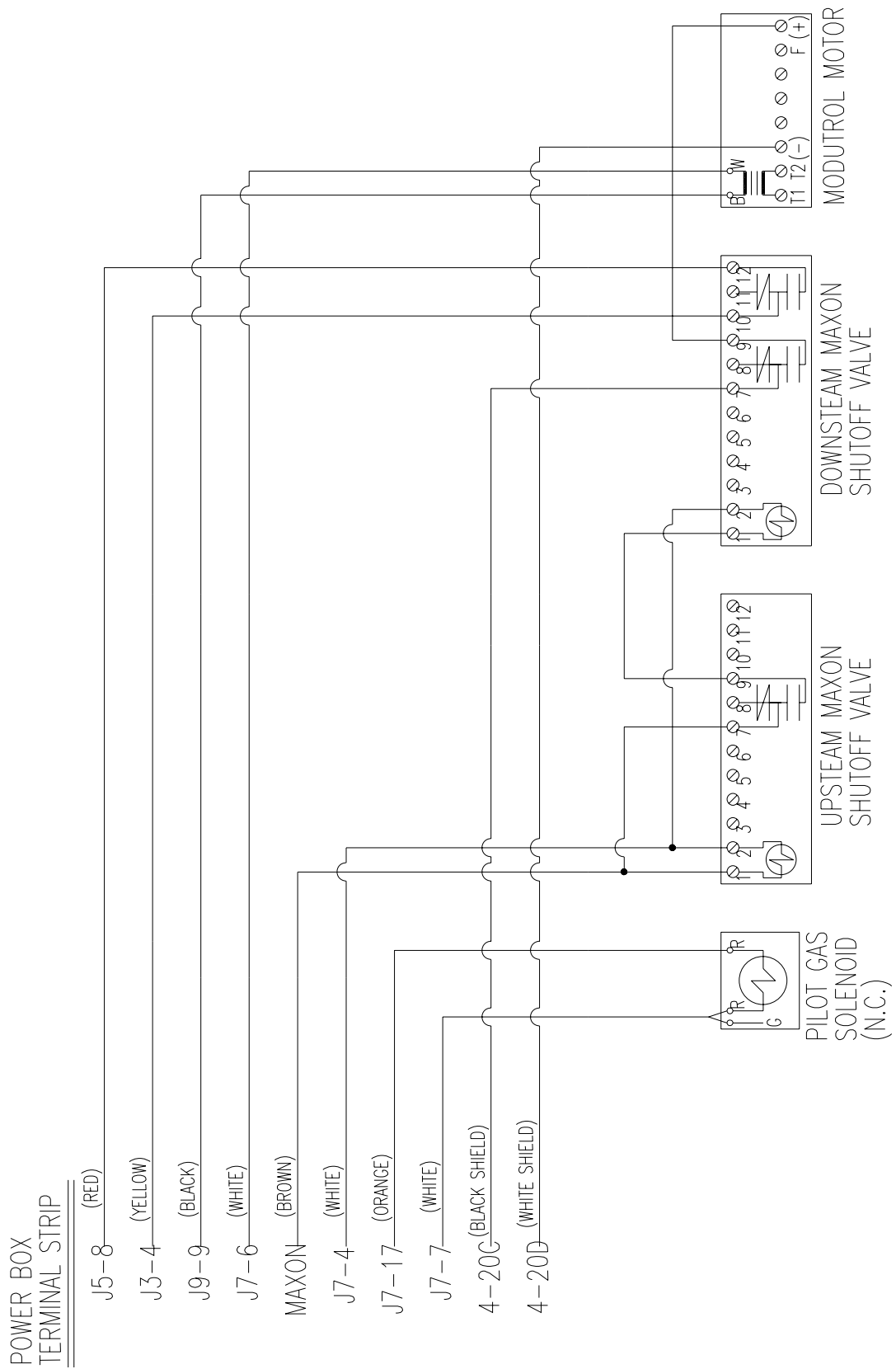
GS1 TOWER DRYER WIRING DIAGRAMS

FUEL TRAIN



GS1 TOWER DRYER WIRING DIAGRAMS

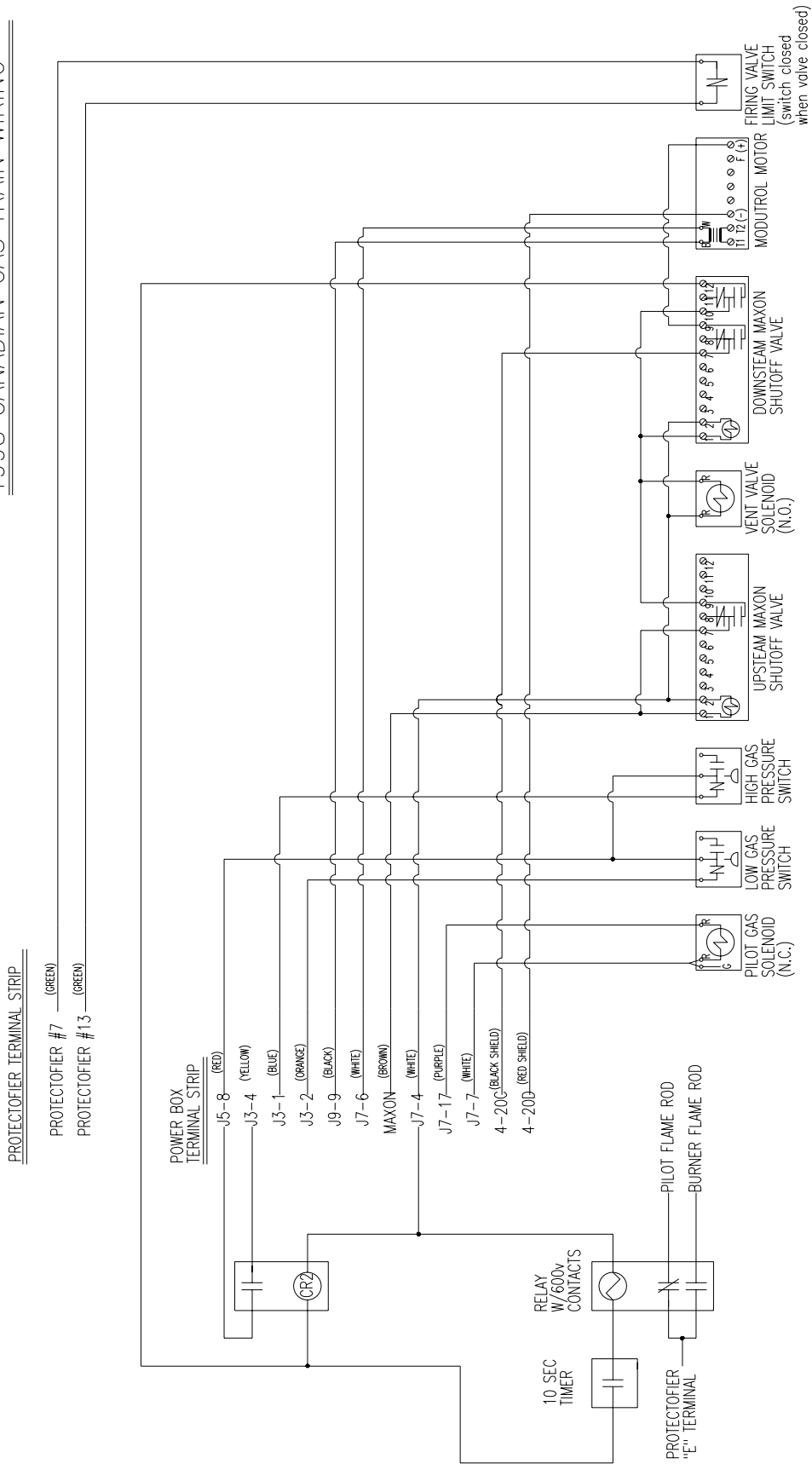
STANDARD FUEL TRAIN WIRING



GS1 TOWER DRYER WIRING DIAGRAMS

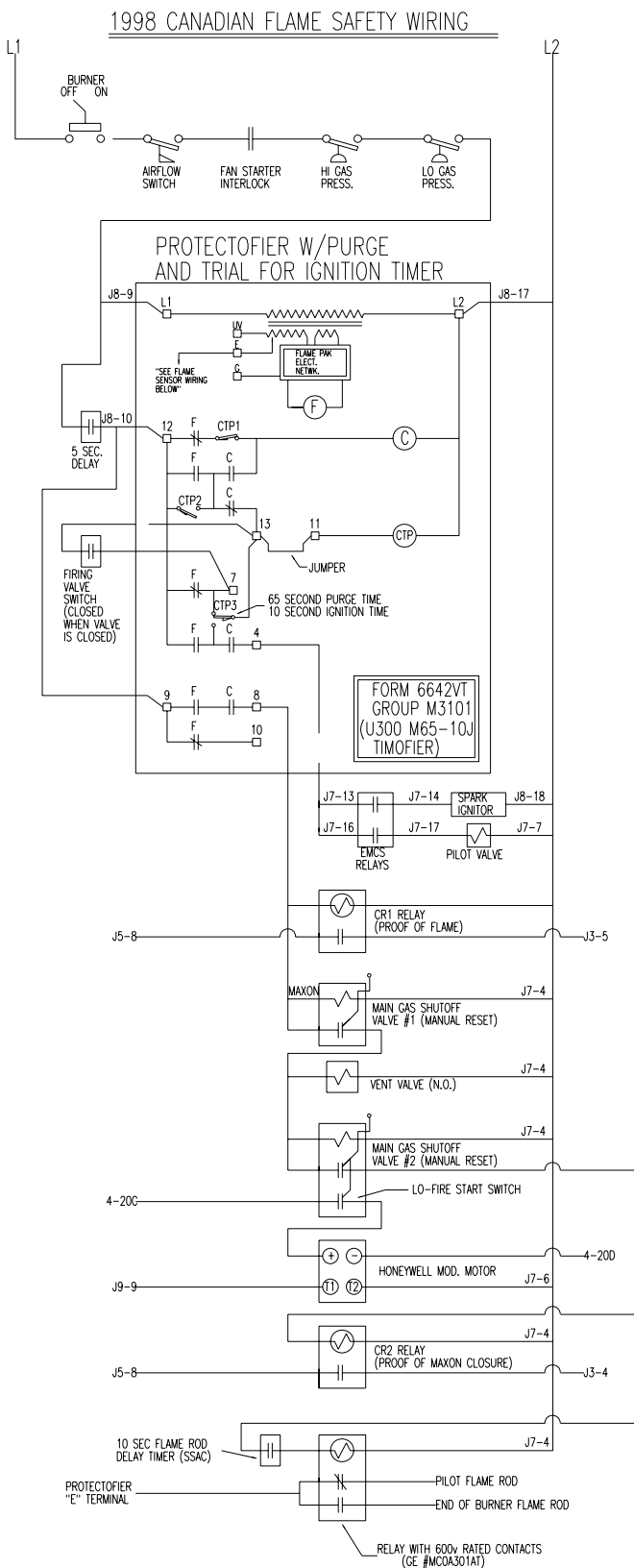
CANADIAN FUEL TRAIN WIRING

1998 CANADIAN GAS TRAIN WIRING



GSi TOWER DRYER WIRING DIAGRAMS

CANADIAN PROTECTOFIER WITH TIMOFIER WIRING

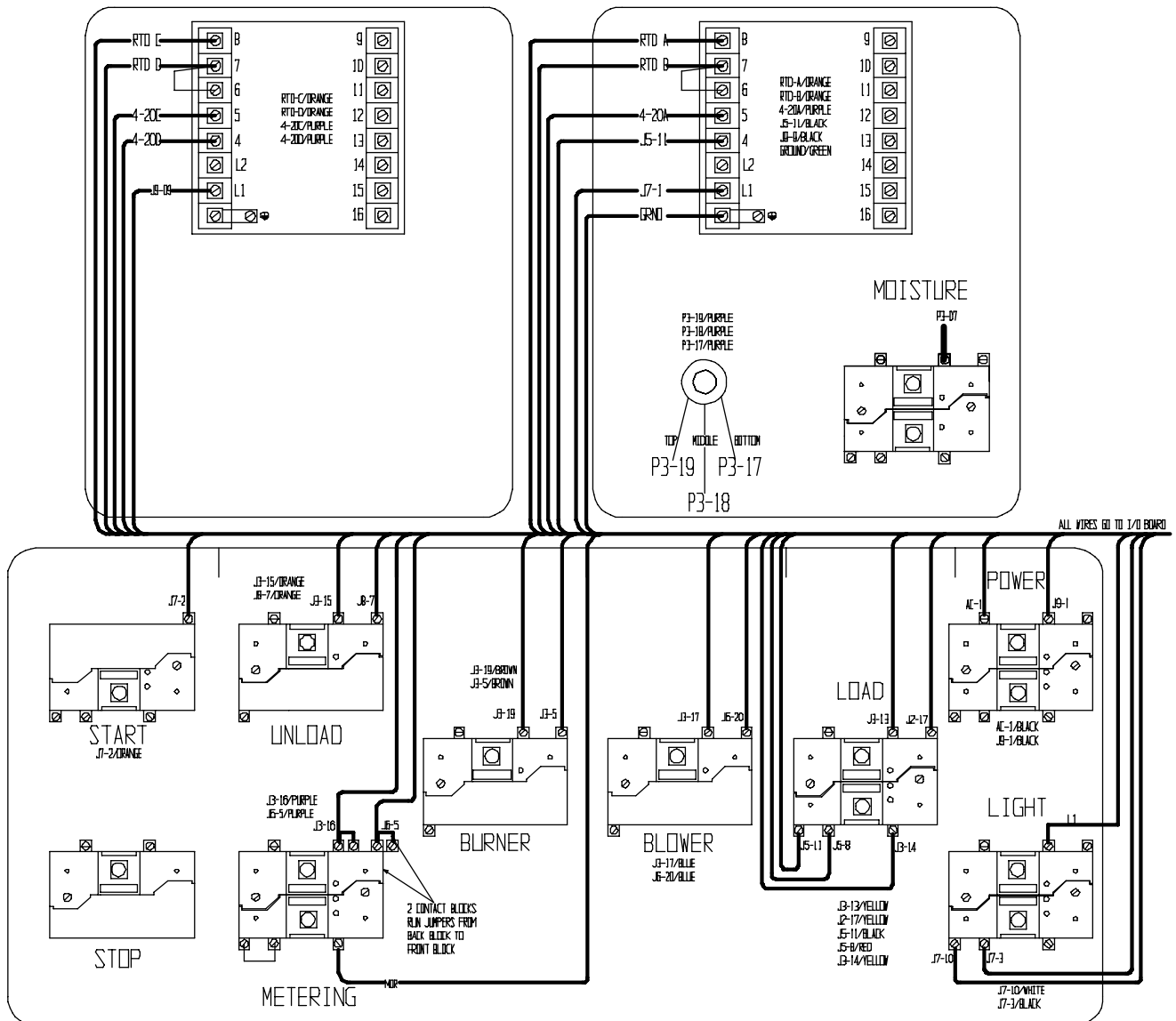


GSI TOWER DRYER WIRING DIAGRAMS

CONTROL PANEL WIRING

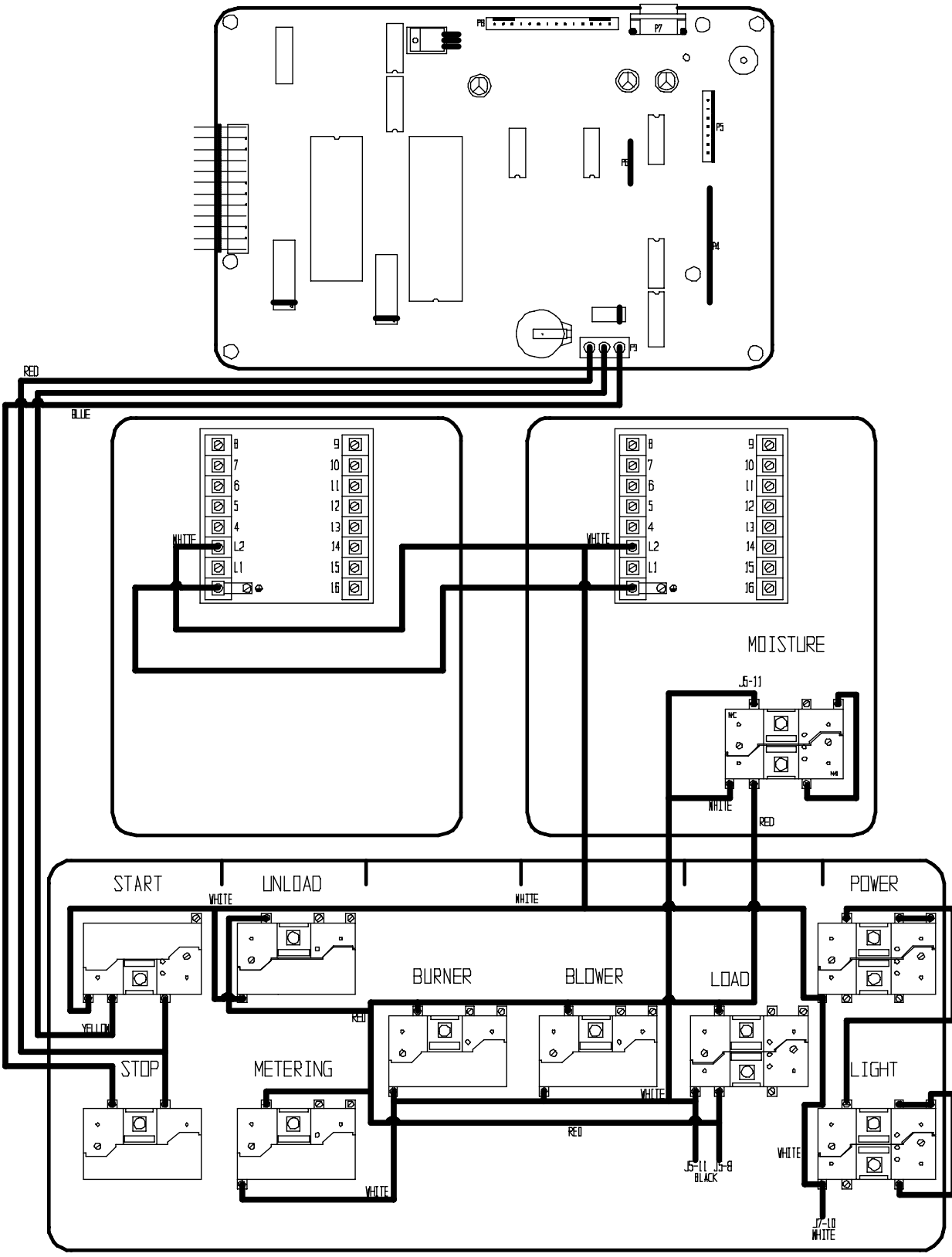
GS1 TOWER DRYER WIRING DIAGRAMS

CONTROL PANEL FRONT PANEL EXTERNAL WIRING



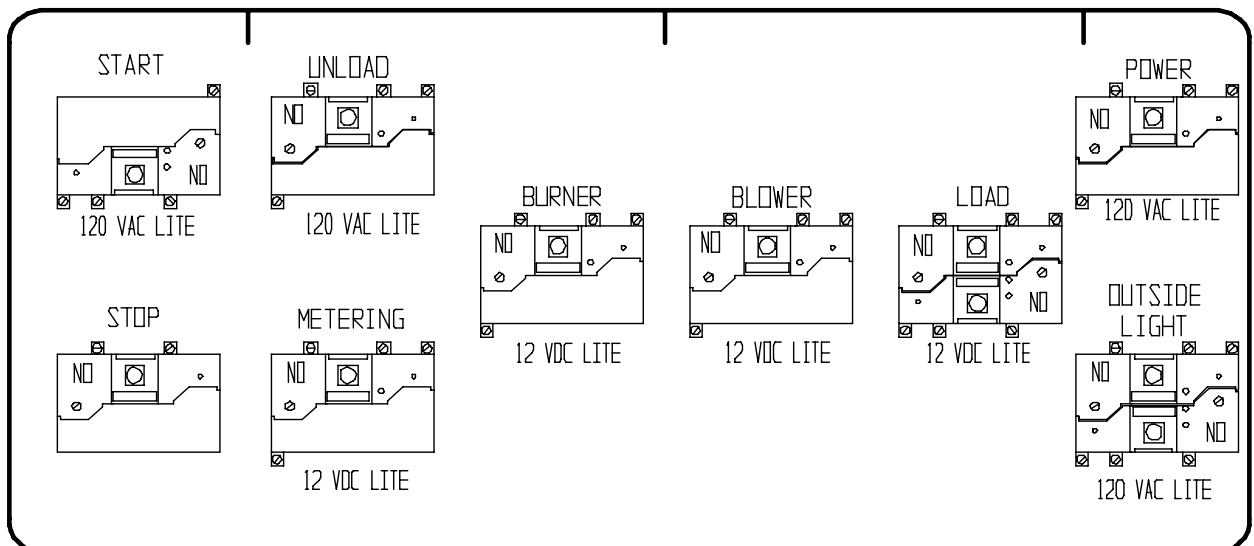
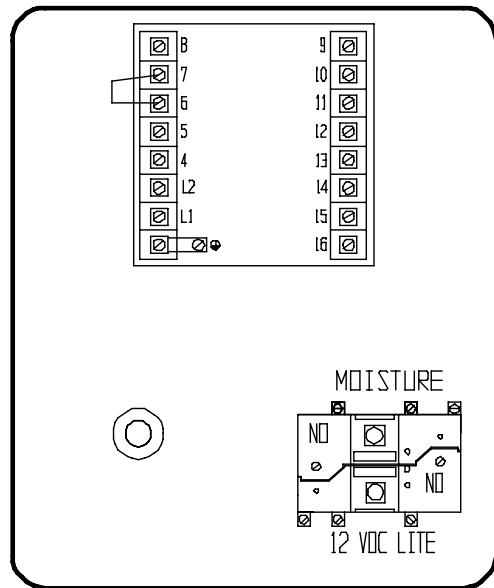
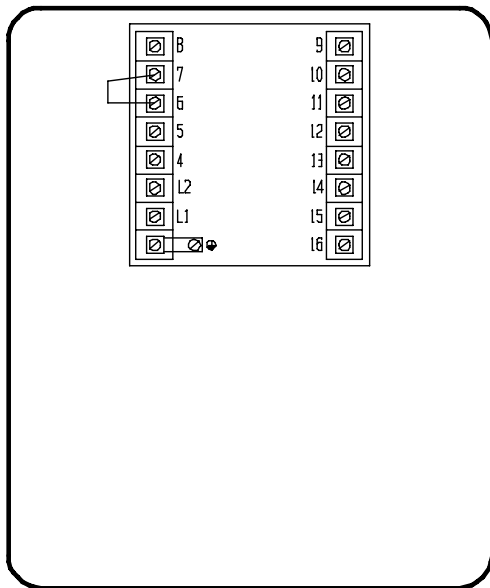
GSI TOWER DRYER WIRING DIAGRAMS

CONTROL PANEL FRONT PANEL INTERNAL WIRING



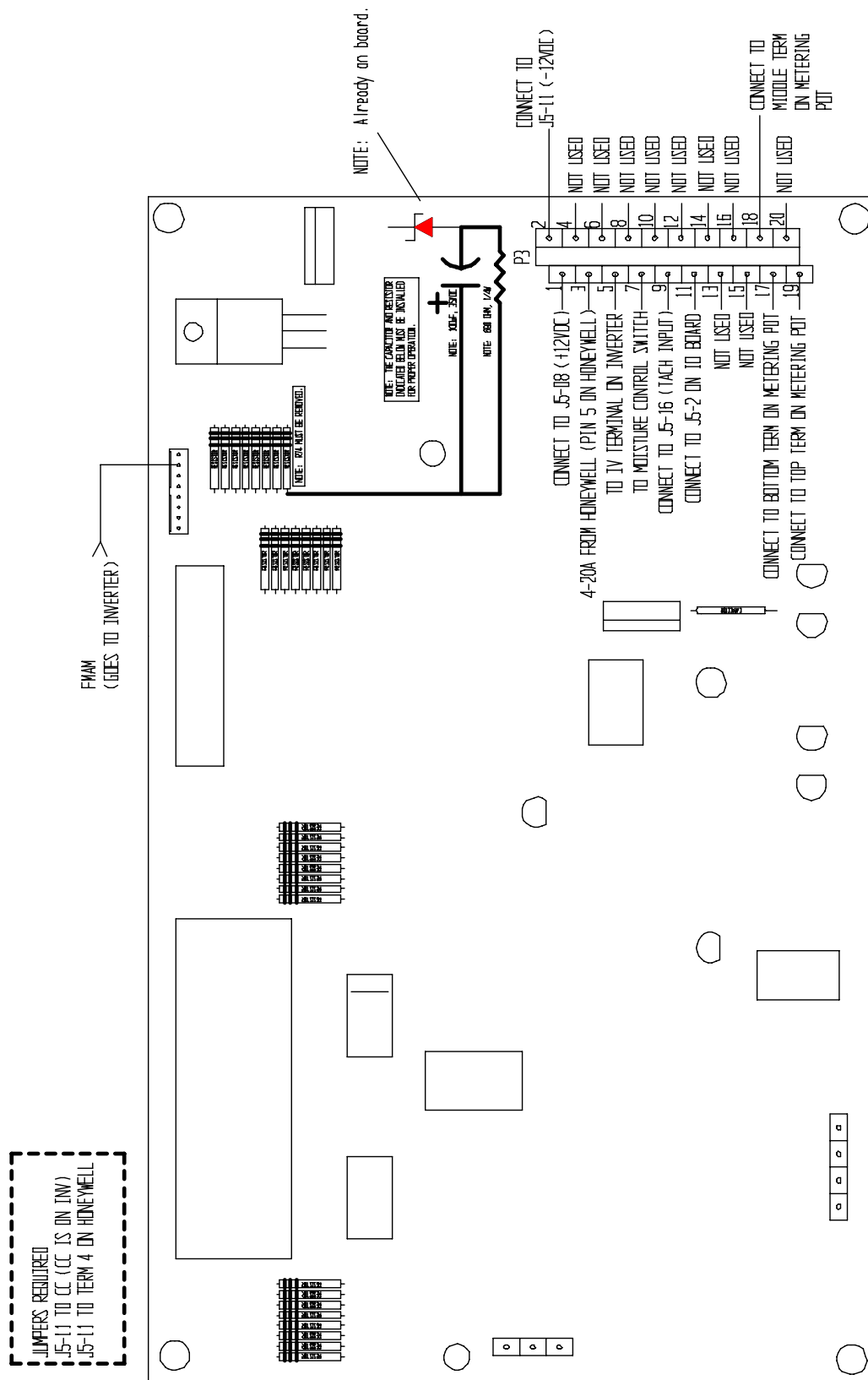
GSI TOWER DRYER WIRING DIAGRAMS

CONTROL PANEL FRONT PANEL LIGHT BULB VOLTAGES



GSi TOWER DRYER WIRING DIAGRAMS

PID BOARD WIRING



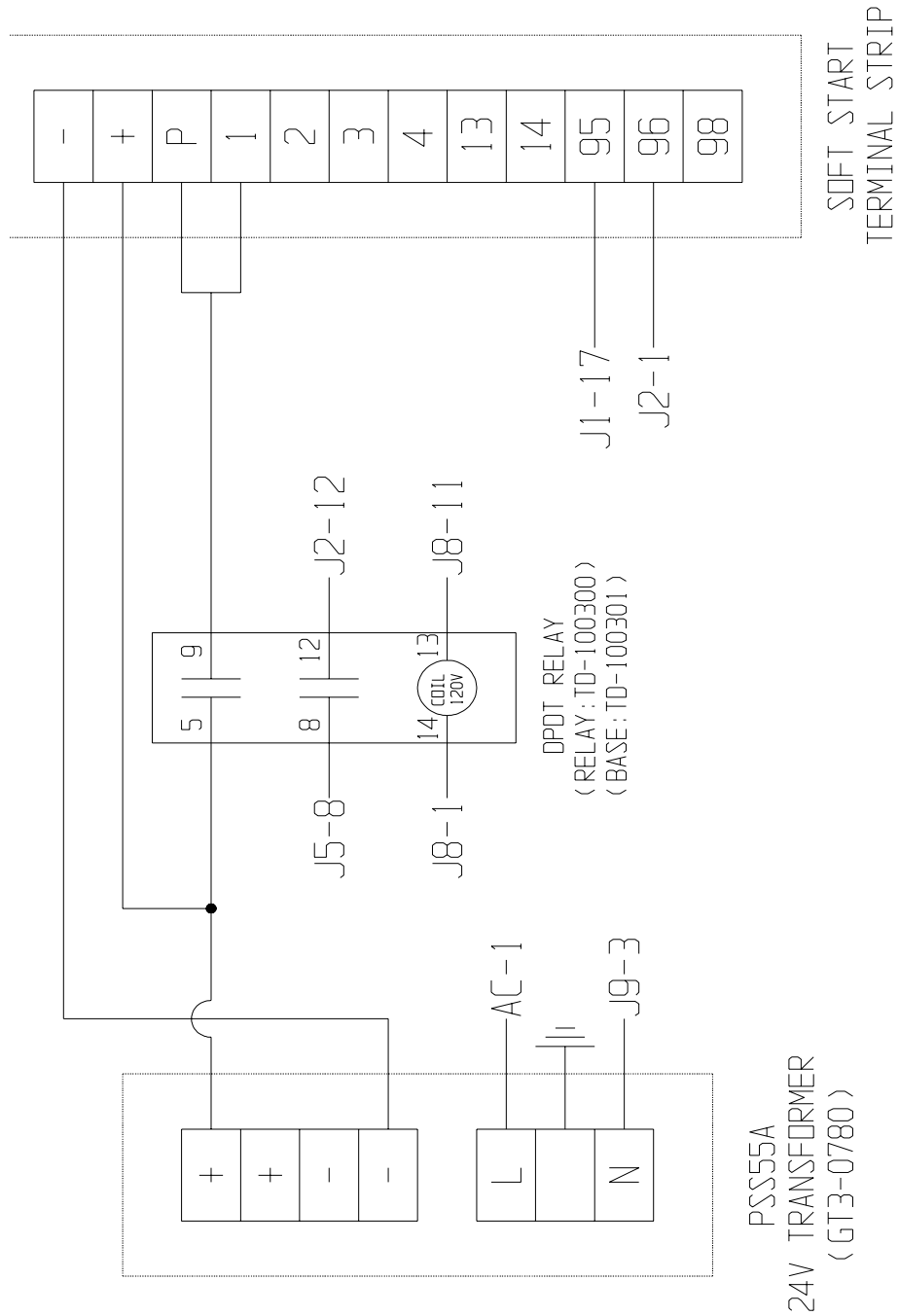
NOTE: THE FOLLOWING CONNECTIONS MUST BE MADE. A 1/4W, 680 OHM RESISTOR FROM J3-09 TO J3-10. GRAIN TEMPERATURE PID IS NOW POWERED BY J7-1 ON THE MAIN TO BOARD.

JUMPERS REQUIRED
 J5-11 TO CC (CC IS ON INV)
 J5-11 TO TERM 4 ON HONEYWELL

GSI TOWER DRYER WIRING DIAGRAMS

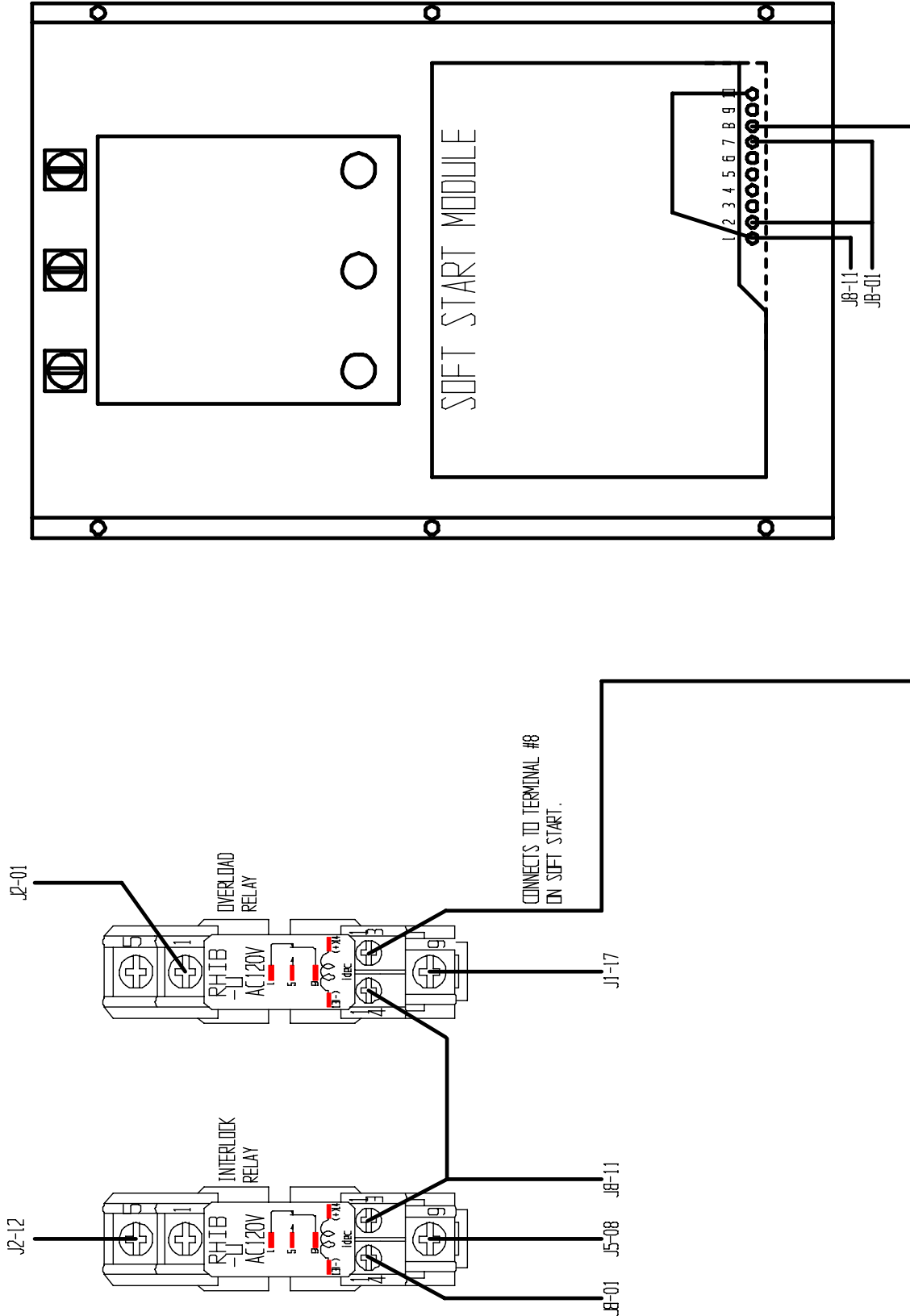
SPECIAL STARTER WIRING

SINGLE FAN CUTLER-HAMMER S801 SOFT START WIRING



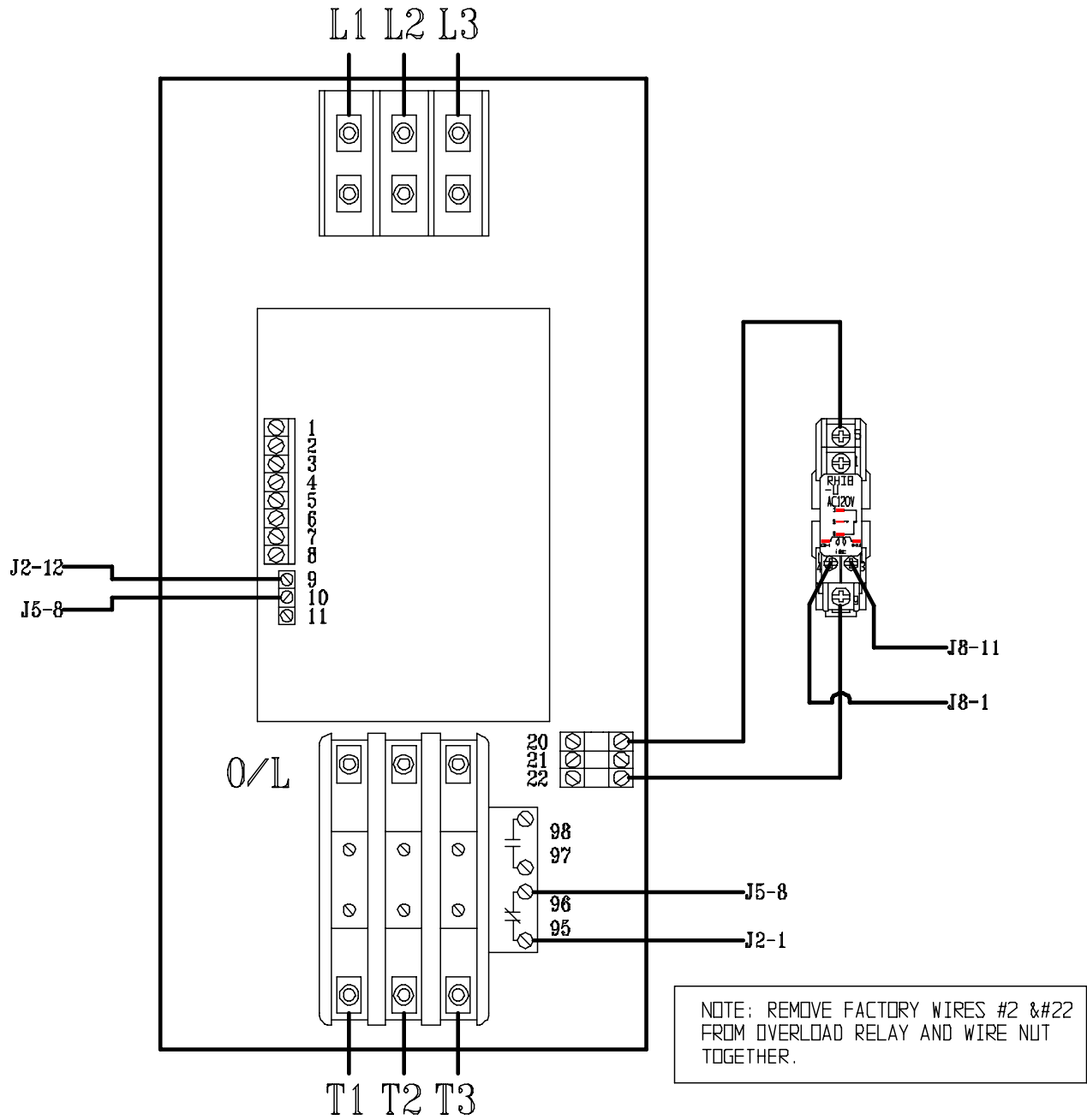
GSI TOWER DRYER WIRING DIAGRAMS

SINGLE FAN CUTLER HAMMER SOFT START WIRING



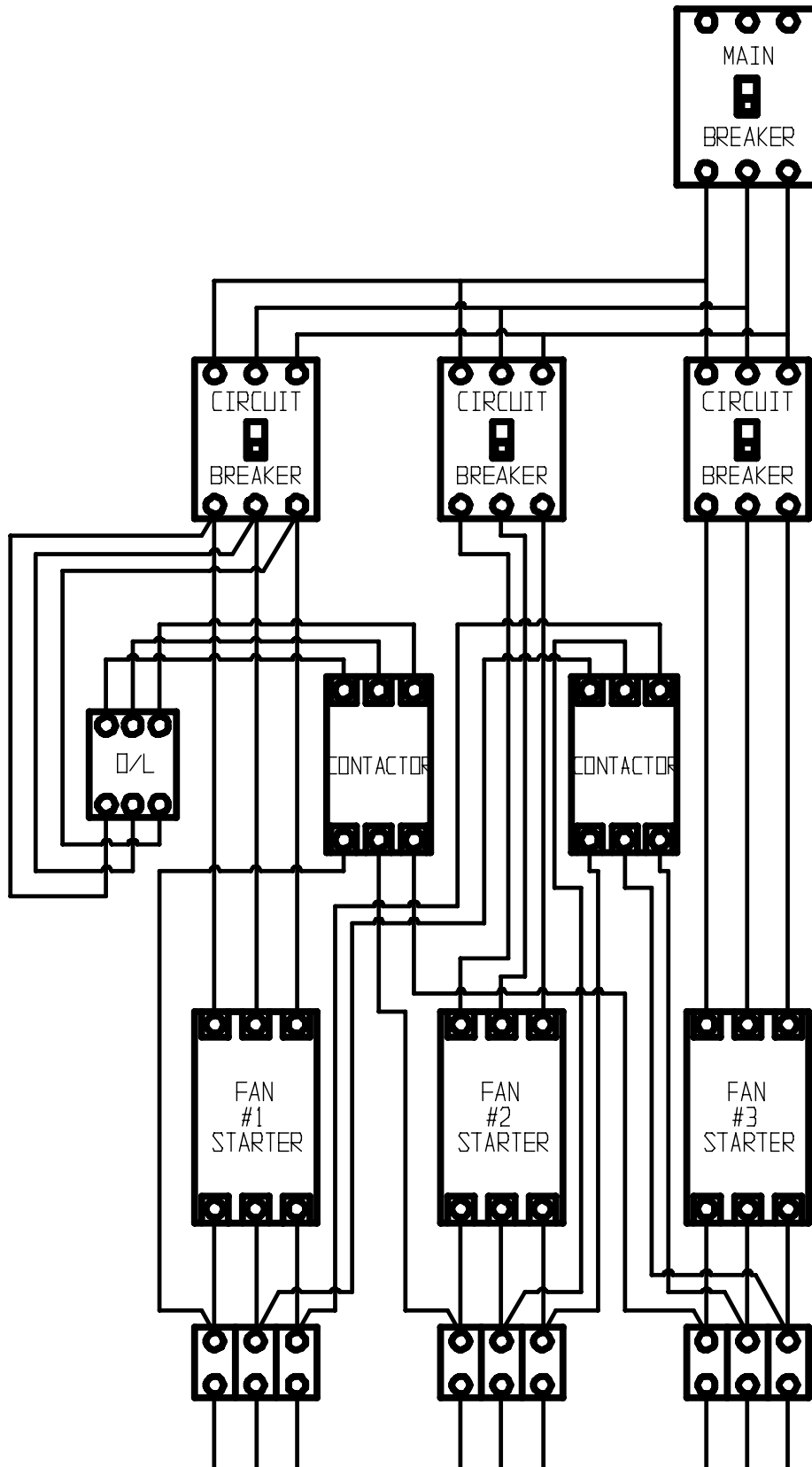
GSI TOWER DRYER WIRING DIAGRAMS

SINGLE FAN BENSCHAW SOFT START WIRING



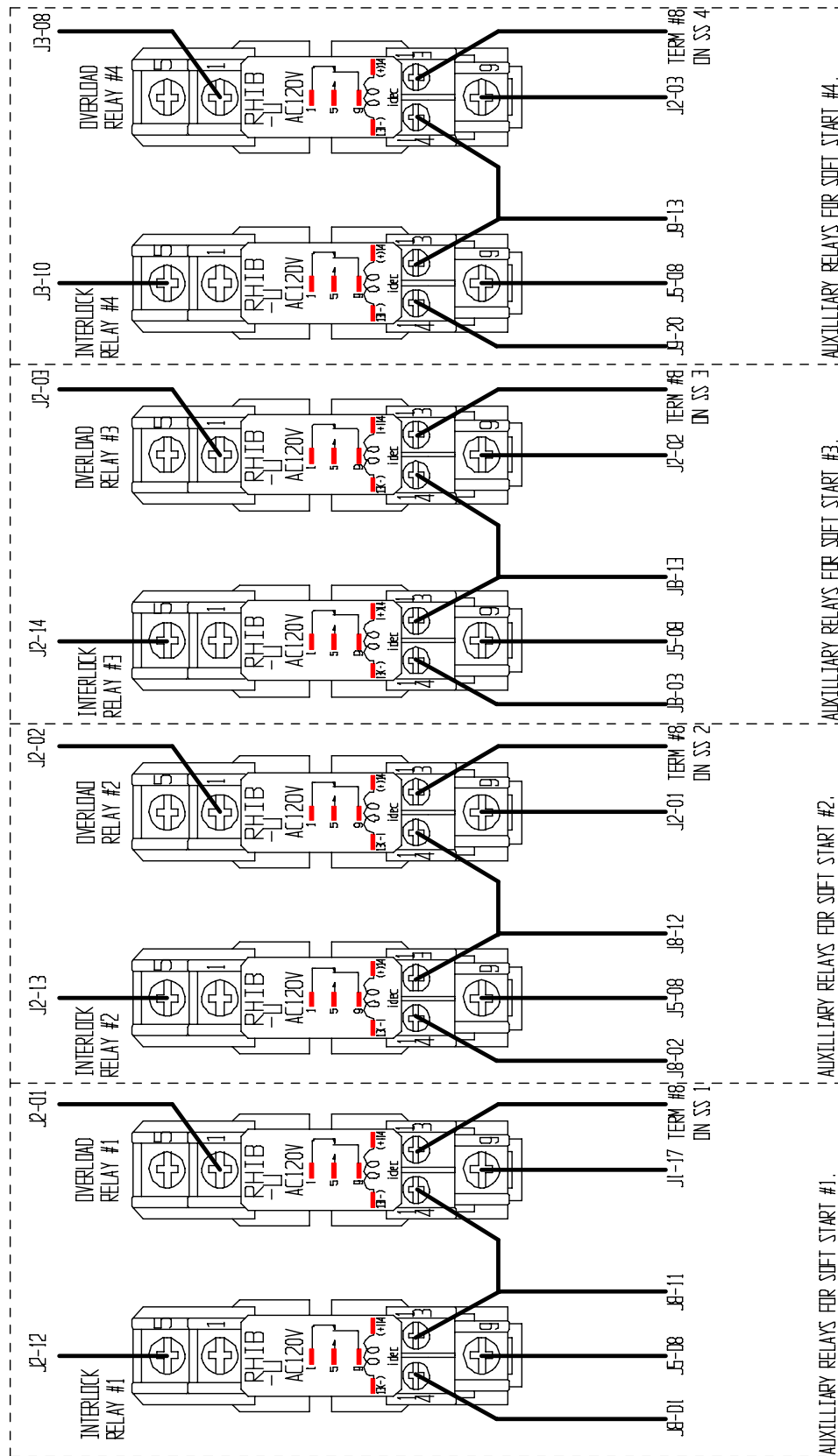
GSI TOWER DRYER WIRING DIAGRAMS

THREE FAN TRI-START POWER WIRING



GS1 TOWER DRYER WIRING DIAGRAMS

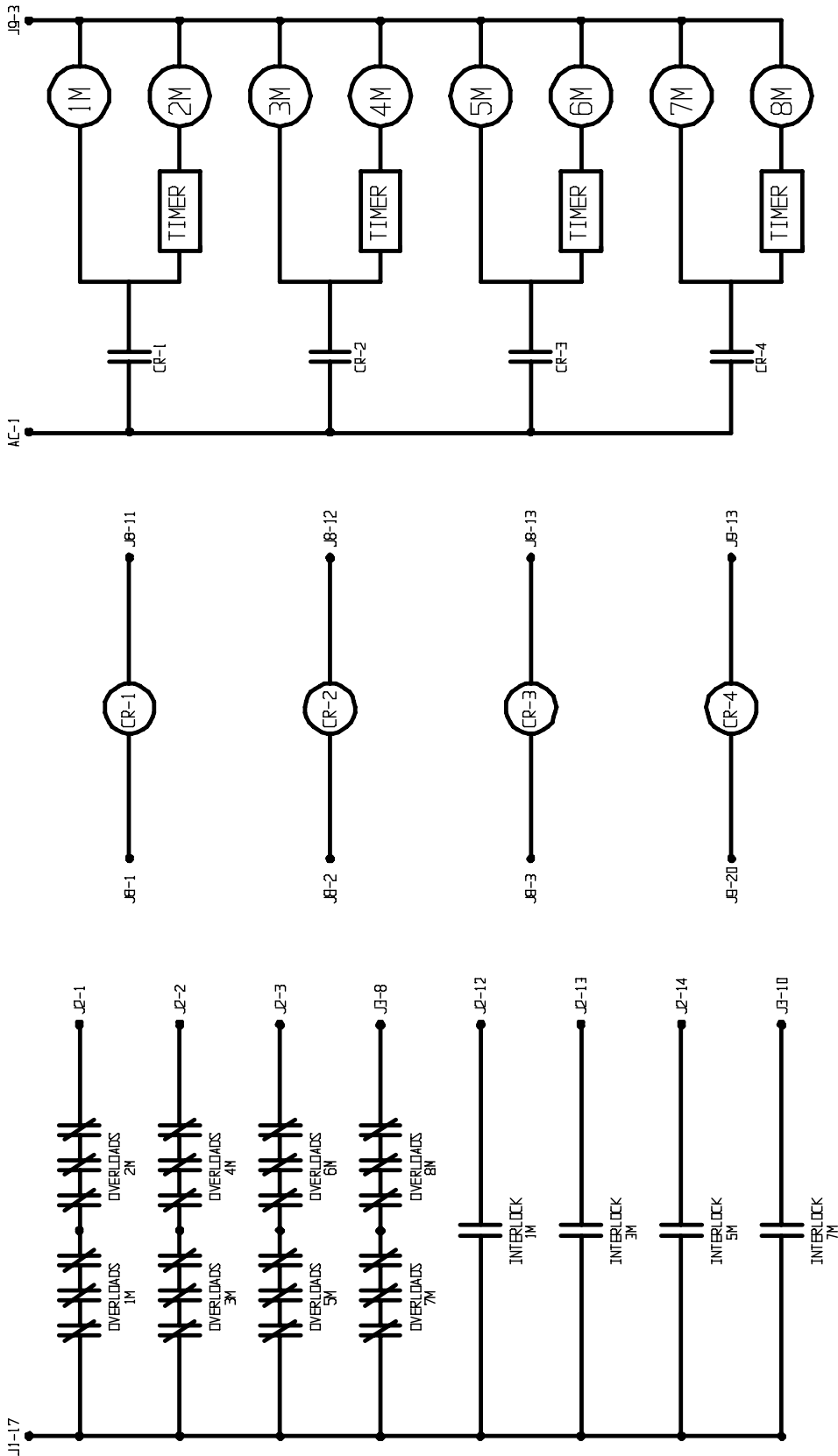
FOUR FAN CUTLER HAMMER SOFT START WIRING



NOTE: Terminals 2 and 7 on each soft start must be connected together.
Terminals 1 and 10 on each soft start must be connected together.

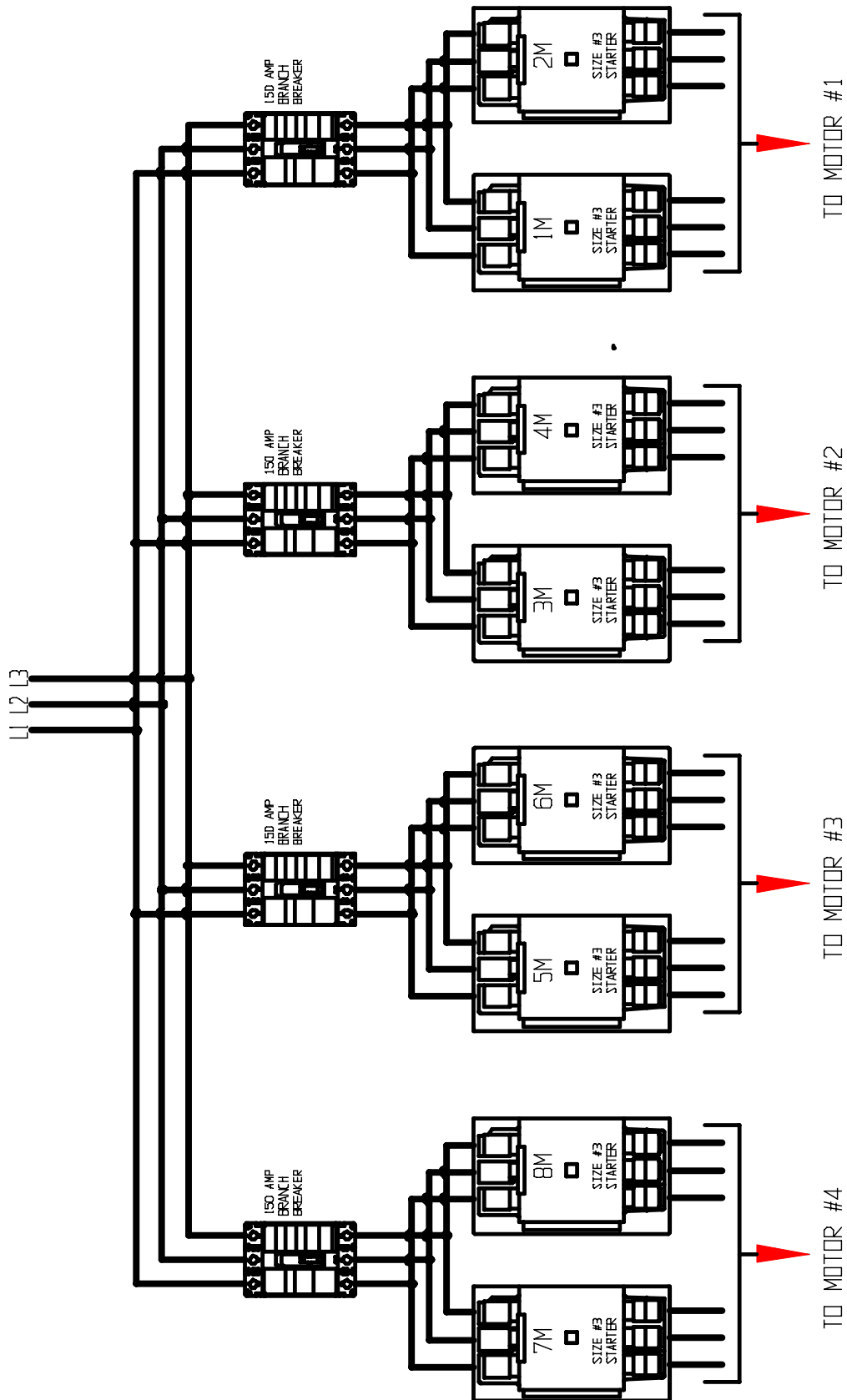
GSI TOWER DRYER WIRING DIAGRAMS

FOUR FAN PART WINDING START CONTROL WIRING



GS1 TOWER DRYER WIRING DIAGRAMS

FOUR FAN PART WINDING START POWER WIRING

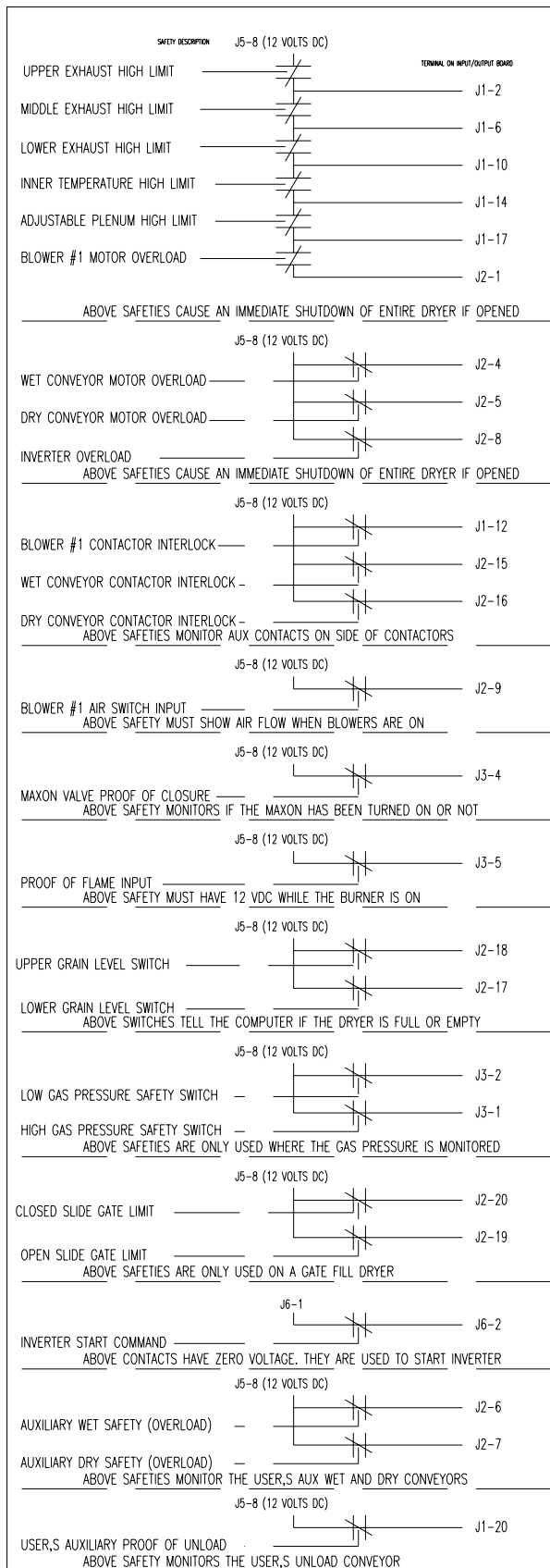


GSI TOWER DRYER WIRING DIAGRAMS

CONTROL WIRING

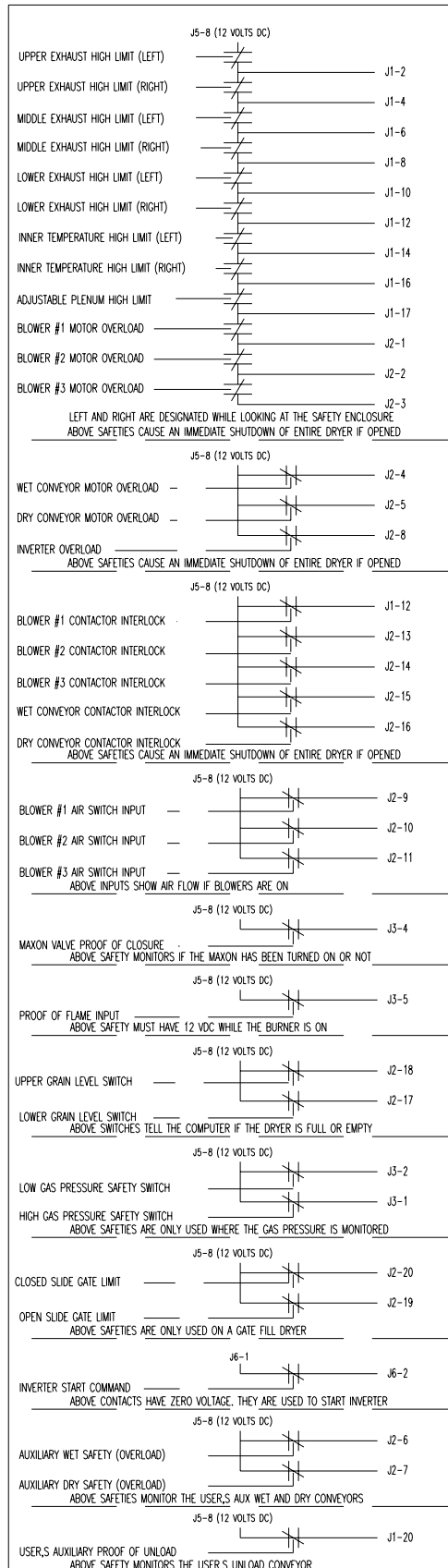
GSi TOWER DRYER WIRING DIAGRAMS

SINGLE FAN CONTROL WIRING



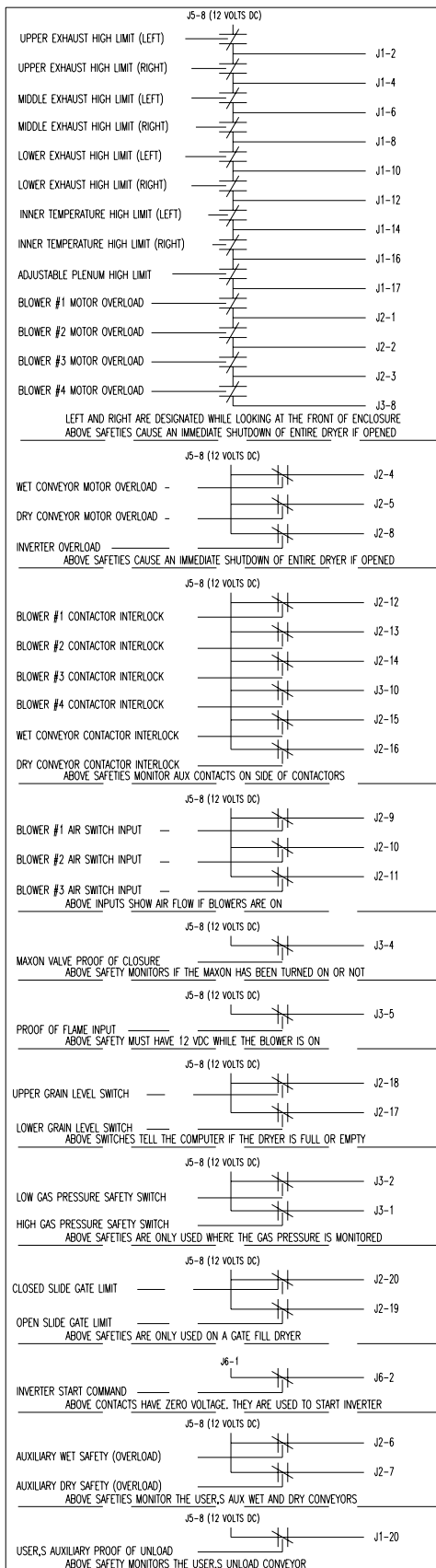
GSi TOWER DRYER WIRING DIAGRAMS

THREE FAN CONTROL WIRING



GSi TOWER DRYER WIRING DIAGRAMS

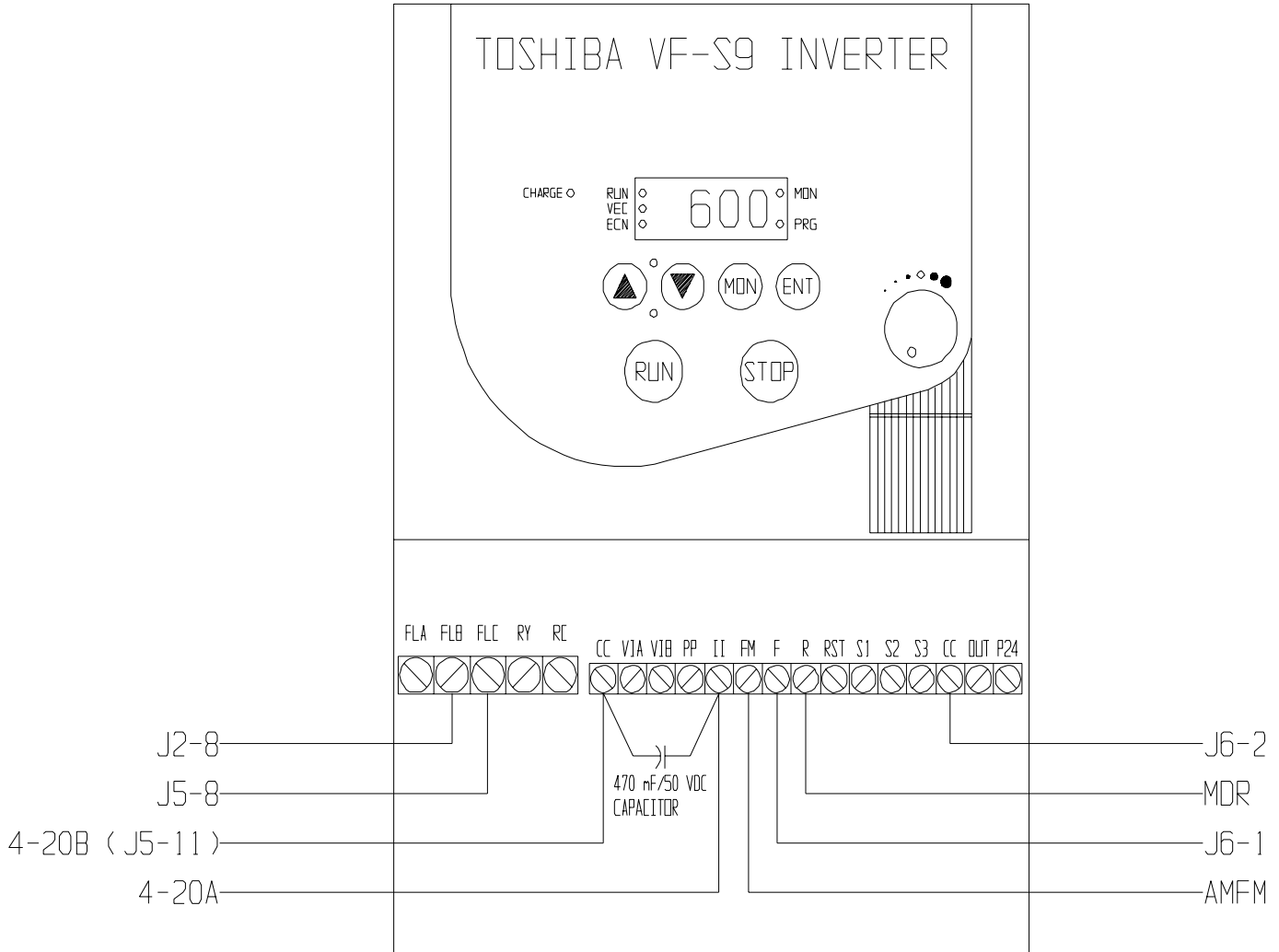
FOUR FAN CONTROL WIRING



GSI TOWER DRYER WIRING DIAGRAMS

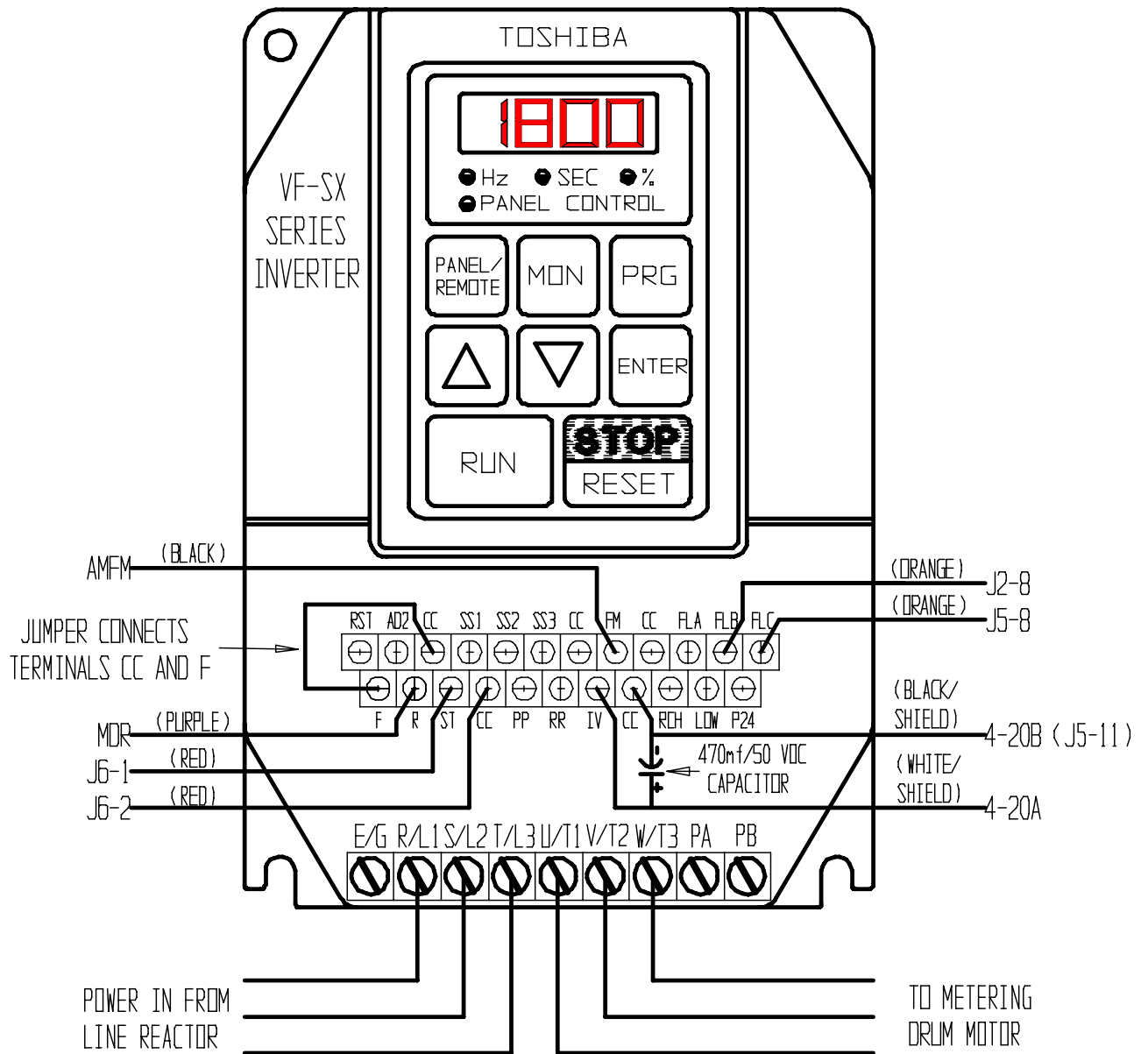
MISCELLANEOUS

TOSHIBA VF-S9 WIRING



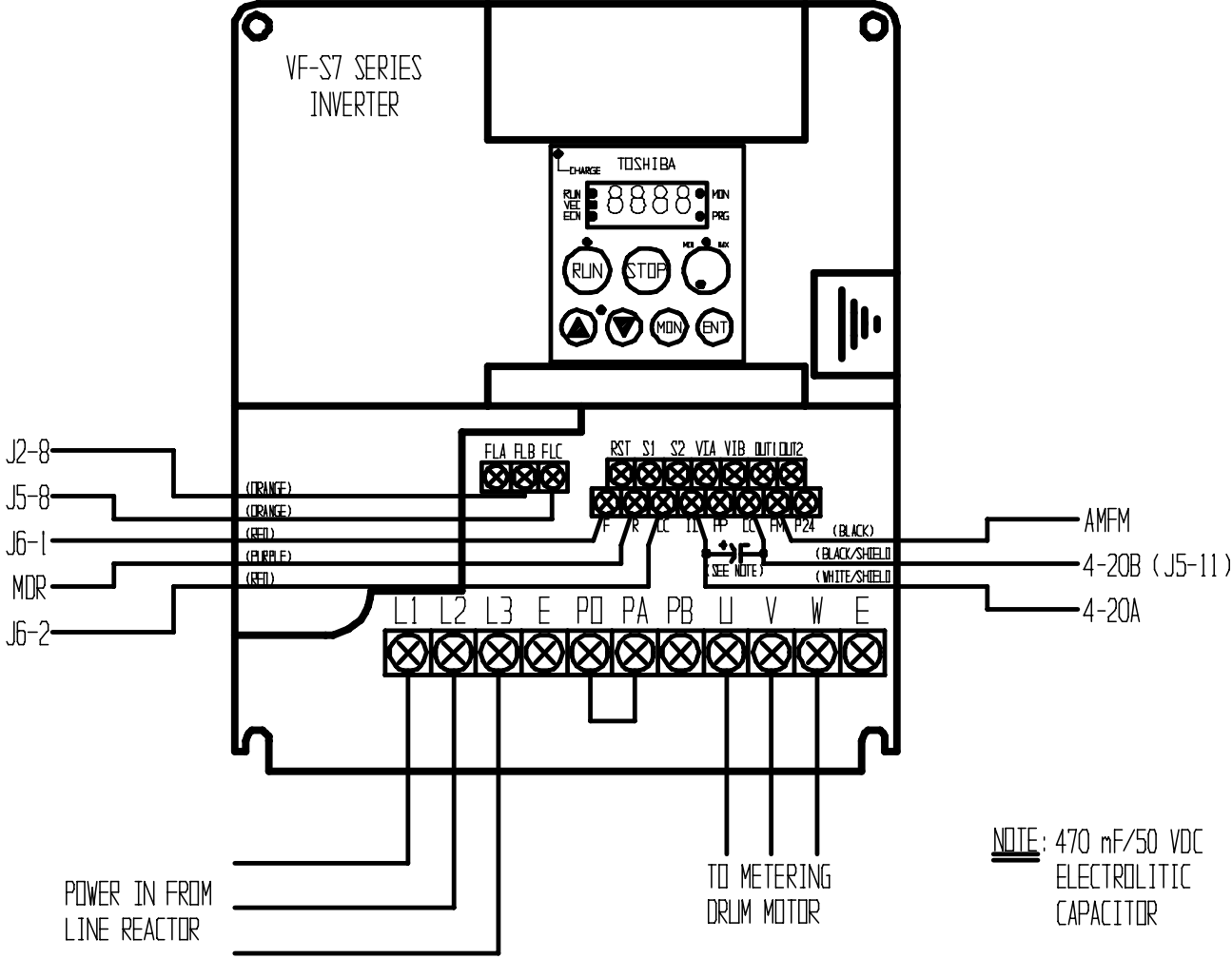
GS1 TOWER DRYER WIRING DIAGRAMS

TOSHIBA VF-SX WIRING



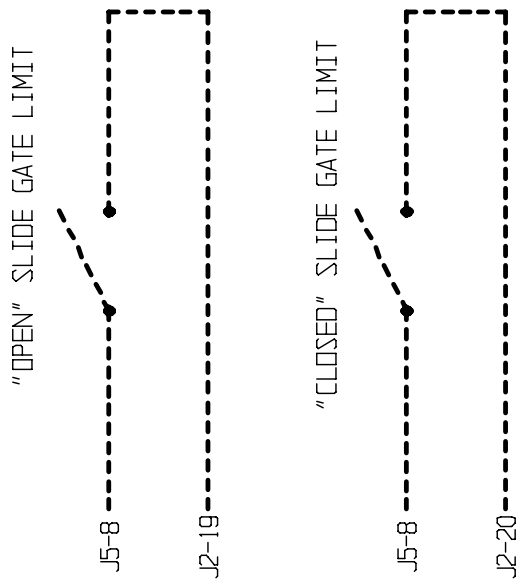
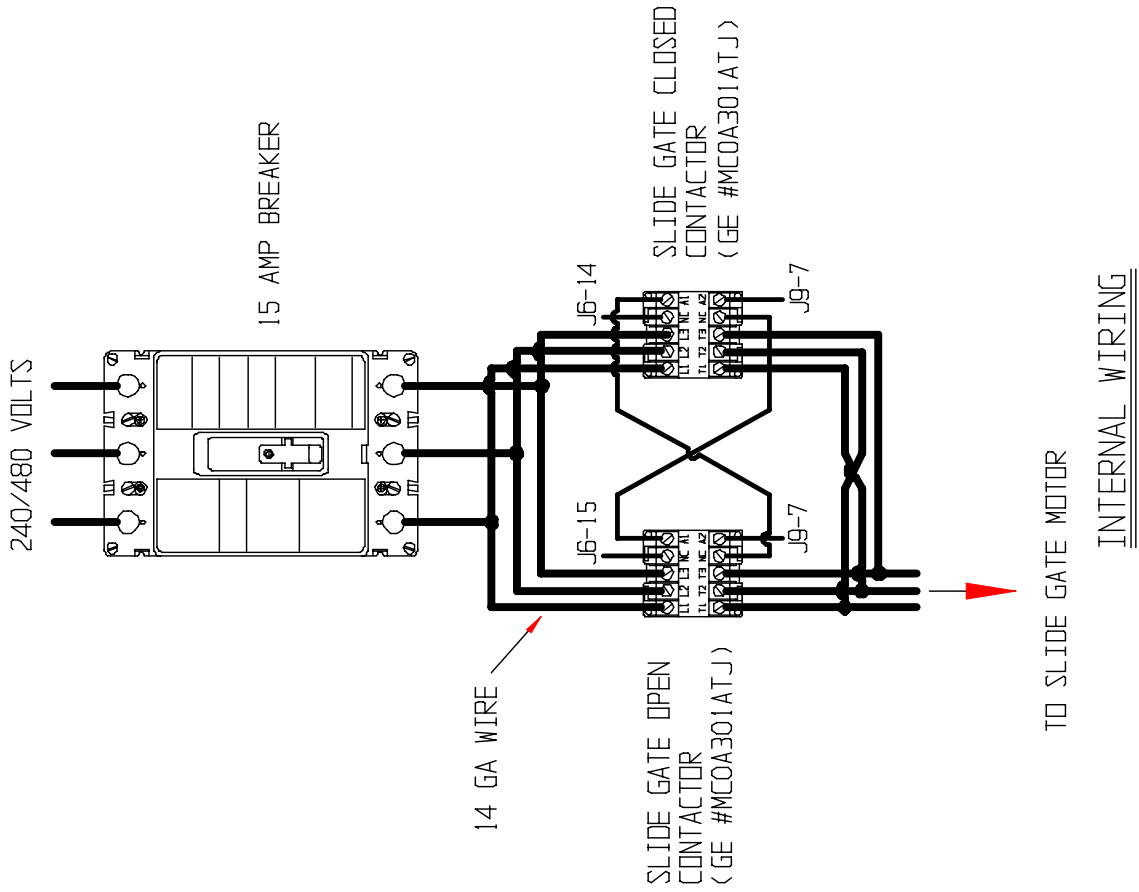
GSI TOWER DRYER WIRING DIAGRAMS

TOSHIBA VF-S7 WIRING



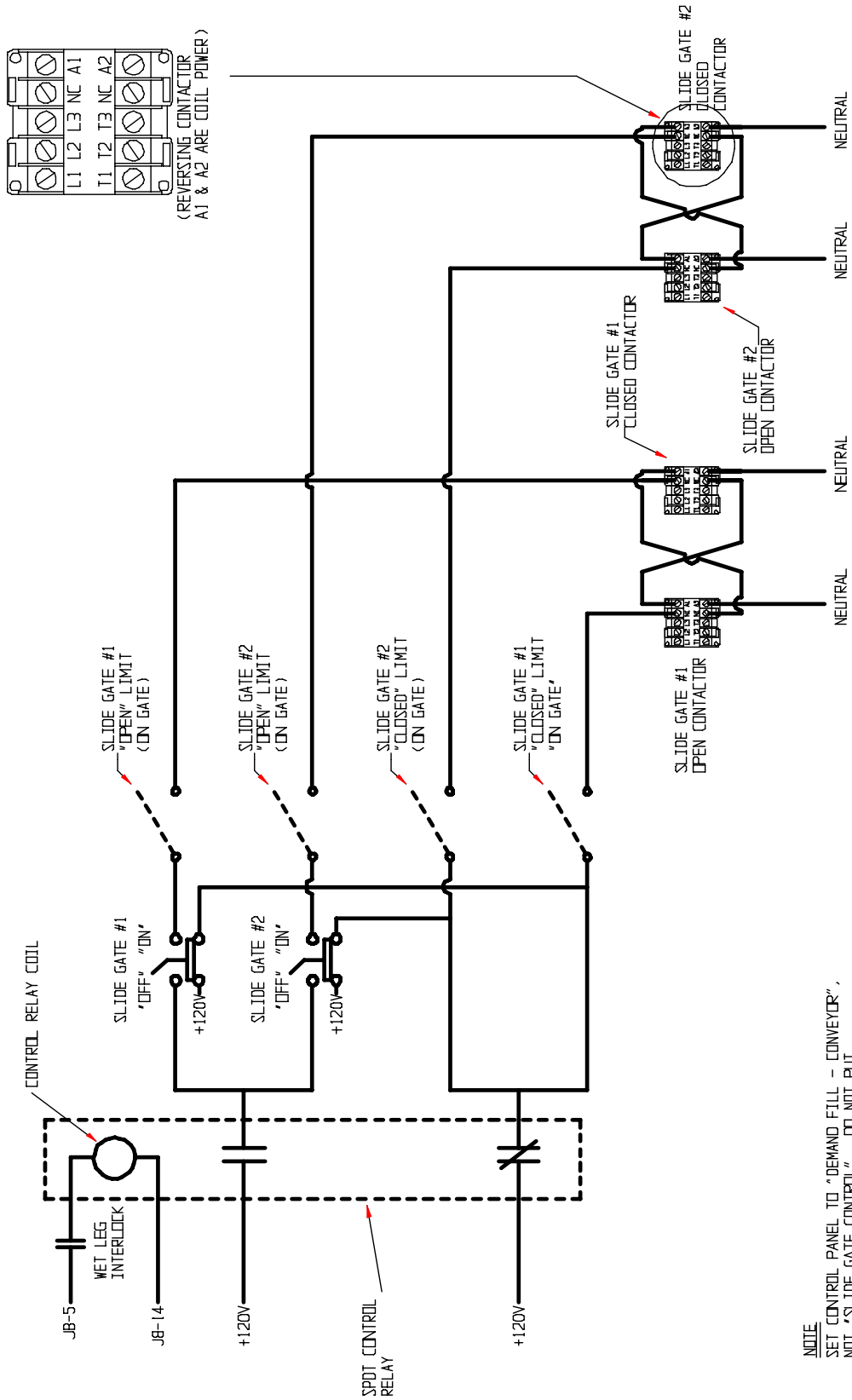
GS1 TOWER DRYER WIRING DIAGRAMS

SLIDE GATE CONTROL WIRING



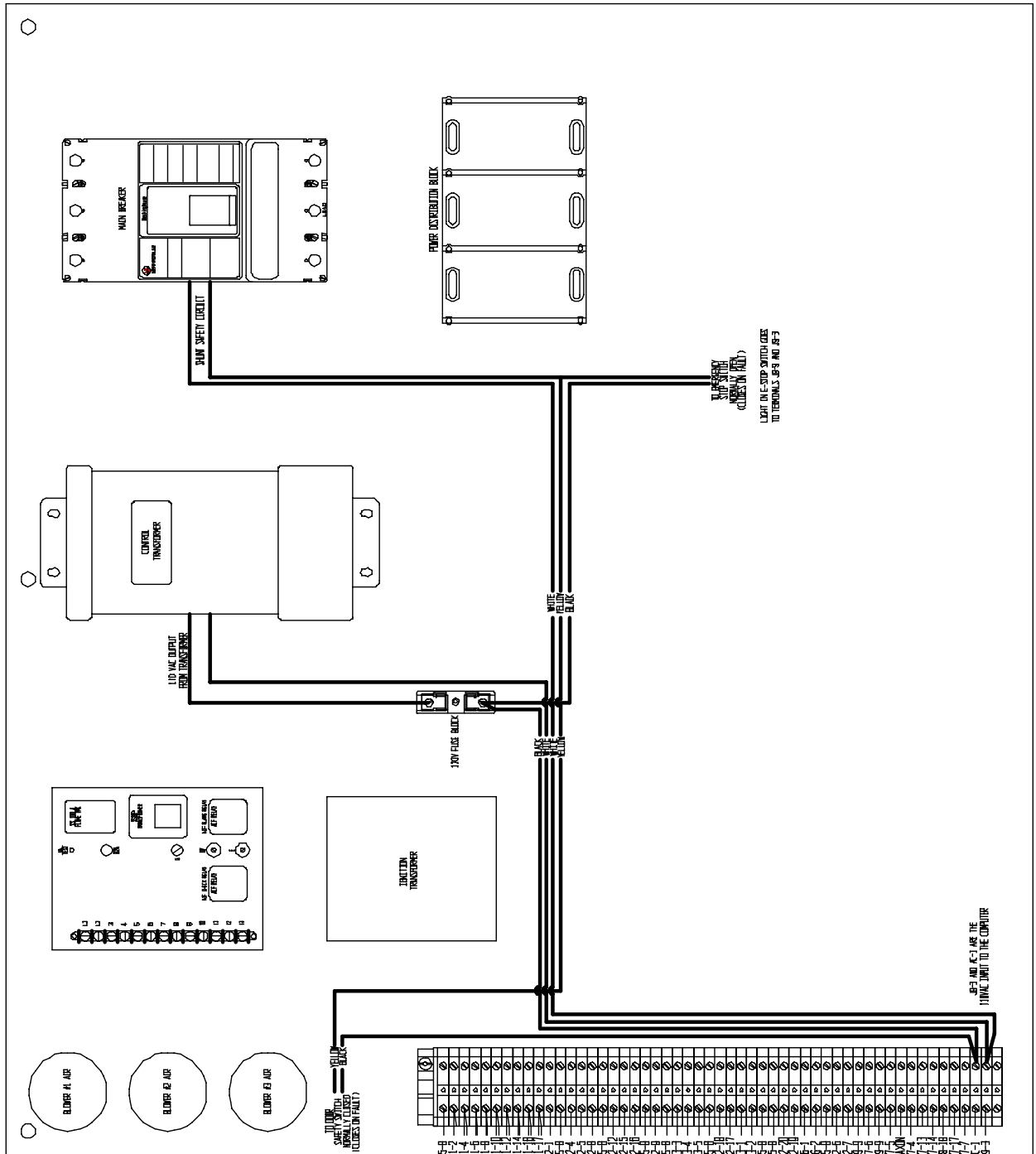
GS1 TOWER DRYER WIRING DIAGRAMS

DUAL SLIDE GATE CONTROL WIRING



GSI TOWER DRYER WIRING DIAGRAMS

TRANSFORMER WIRING/DOOR SAFETY CIRCUIT





Limited Warranty

The GSI Group, LLC. ("GSI") warrants products which it manufactures to be free of defects in materials and workmanship under normal usage and conditions for a period of 12 months after sale to the original end-user or if a foreign sale, 14 months from arrival at port of discharge, whichever is earlier. The end-user's sole remedy (and GSI's only obligation) is to repair or replace, at GSI's option and expense, products that in GSI's judgment, contain a material defect in materials or workmanship. Expenses incurred by or on behalf of the end-user without prior written authorization from the GSI Warranty Group shall be the sole responsibility of the end-user.

Warranty Extensions: The Limited Warranty period is extended for the following products:

	Product	Warranty Period
AP Fans and Flooring	Performer Series Direct Drive Fan Motor	3 Years
	All Fiberglass Housings	Lifetime
	All Fiberglass Propellers	Lifetime
Cumberland Feeding/Watering Systems	Feeder System Pan Assemblies	5 Years **
	Feed Tubes (1.75" & 2.00")	10 Years *
	Centerless Augers	10 Years *
	Watering Nipples	10 Years *
Grain Systems	Grain Bin Structural Design	5 Years
Grain Systems Farm Fans Zimmerman	Portable & Tower Dryers	2 Years
	Portable & Tower Dryer Frames and Internal Infrastructure †	5 Years

* Warranty prorated from list price:
 0 to 3 years – no cost to end-user
 3 to 5 years – end-user pays 25%
 5 to 7 years – end-user pays 50%
 7 to 10 years – end user pays 75%

** Warranty prorated from list price:
 0 to 3 years – no cost to end-user
 3 to 5 years – end-user pays 50%

† Motors, burner components and moving parts not included. Portable Dryer screens included. Tower Dryer screens not included.

GSI further warrants that the portable and tower dryer frame and basket, excluding all auger and auger drive components, shall be free from defects in materials for a period of time beginning on the twelfth (12th) month from the date of purchase and continuing until the sixtieth (60th) month from the date of purchase (extended warranty period). During the extended warranty period, GSI will replace the frame or basket components that prove to be defective under normal conditions of use without charge, excluding the labor, transportation, and/or shipping costs incurred in the performance of this extended warranty.

Conditions and Limitations:

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION SET FORTH ABOVE. SPECIFICALLY, GSI MAKES NO FURTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IN CONNECTION WITH: (i) PRODUCT MANUFACTURED OR SOLD BY GSI OR (ii) ANY ADVICE, INSTRUCTION, RECOMMENDATION OR SUGGESTION PROVIDED BY AN AGENT, REPRESENTATIVE OR EMPLOYEE OF GSI REGARDING OR RELATED TO THE CONFIGURATION, INSTALLATION, LAYOUT, SUITABILITY FOR A PARTICULAR PURPOSE, OR DESIGN OF SUCH PRODUCTS.

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