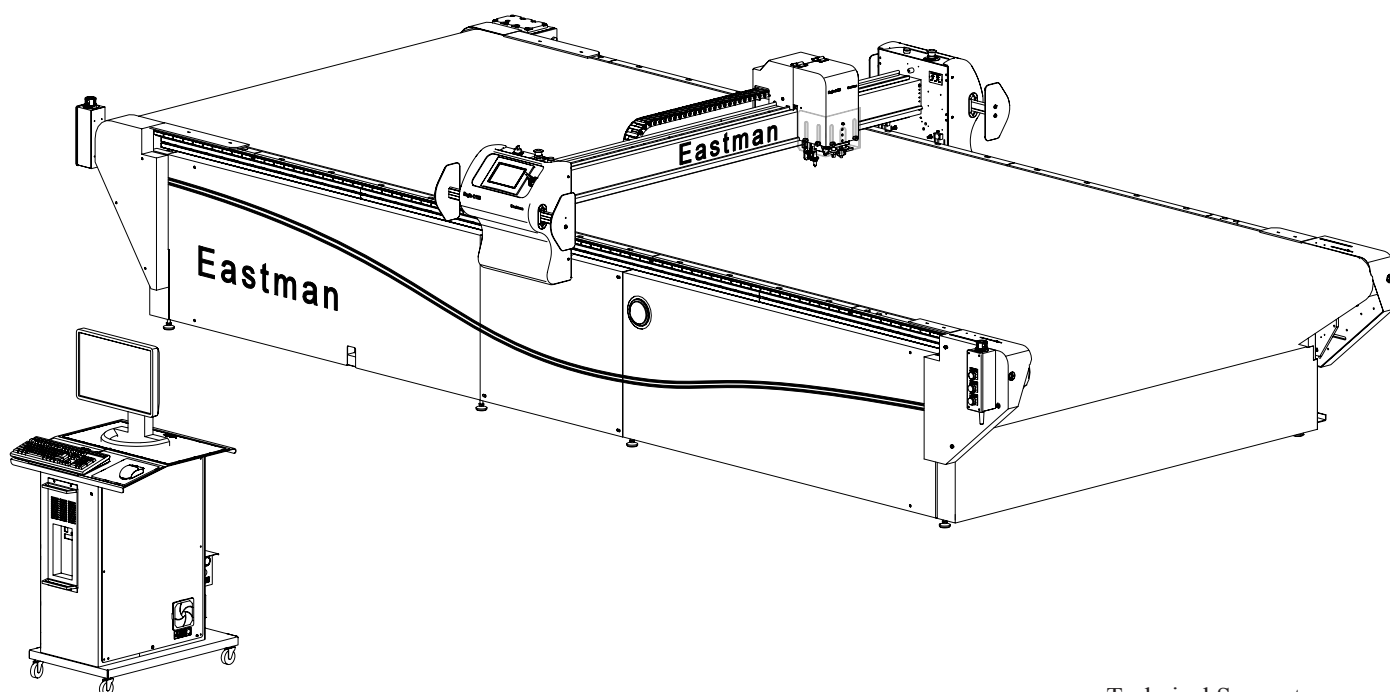


Eastman®

THE EASTMAN® Eagle C125

Electrical and Pneumatic Diagrams



Technical Support:
1-800-872-5595

Please read completely before attempting to operate your new **Eagle C125**.



ELECTRICAL HAZARD

Electrical connections and servicing to this equipment should be made by a qualified electrician who is familiar with applicable codes and regulations. Disconnect this equipment from electrical power source before proceeding with any disassembly for adjustment or repair.

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Over a Century of Cutting Expertise

779 Washington St., Buffalo, N.Y. 14203-1396 U.S.A. • (716)856-2200 • Fax (716)856-1140 or (716)856-2068
Manufacturers of Eastman Cloth Cutting and Cloth Spreading Machines

www.EastmanCuts.com

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IMPORTANT

The purchaser must instruct all operators on the proper use of this equipment. All standard industrial safety measures and equipment should be provided to protect the operator. Operators must be cautioned that improper or careless use of this equipment may cause personal injury. If you do not have qualified operators to instruct new persons, contact your EASTMAN sales representative or EASTMAN factory direct.

Electrical connections and servicing to this equipment should be made by a qualified electrician who is familiar with applicable codes and regulations. Disconnect this equipment from electrical power source before proceeding with any disassembly for adjustment or repair.

Safety Information

Throughout this manual, safety information is presented by the use of the terms WARNING, CAUTION, ELECTRICAL HAZARD, and NOTE. These terms have the follow-

WARNING

A warning contains critical information regarding potential safety hazards that can occur during proper use or misuse of the machine. Failure to follow these procedures may result in serious personal injury to the user.

CAUTION

A caution contains instructions for the use or maintenance of the machine. Failure to follow these procedures may result in damage to the machine.

ELECTRICAL HAZARD

An electrical hazard calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in personal injury. Do not proceed beyond an Electrical Hazard.

General Safety Precautions

WARNING

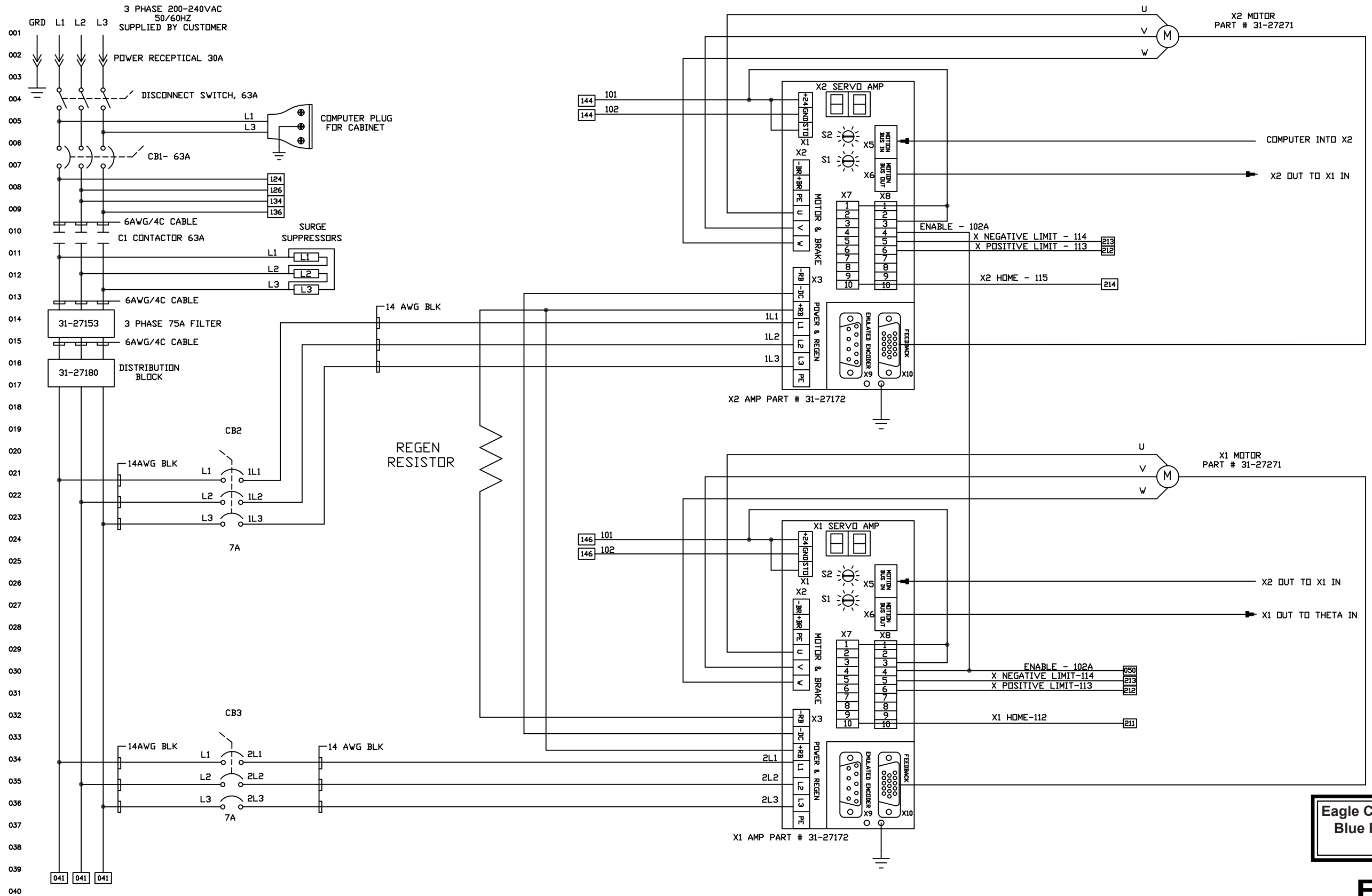
- This machine is equipped with very sharp and dangerous tools. Keep hands, arms, and hair away from the cutting area and drive system at all times. Safety gloves, glasses, and appropriate clothing may prevent serious personal injuries.
- Disconnect the power supply to the machine when it is not in use or during routine maintenance, including cleaning and lubrication.
- The purchaser must instruct all operators in the proper use of the machine according to the instructions in this manual. This training must include instruction on the potential safety hazards arising from the use or misuse of the machine. In addition to such training, the purchaser should provide written work instructions as necessary to ensure correct use of the machine for specific cutting and spreading applications.
- Do not modify this machine or disable safety features. Unauthorized modification may result in serious personal injuries to the user. Electrical connections to this machine must be made by a qualified electrician familiar with applicable codes and regulations.
- Safety labels must be kept clean and legible at all times. Call the Eastman Machine factory to order replacement labels.

Safety and Indemnification

During the life of the machine, the purchaser agrees to provide to all machine users (including its own employees and independent contractors) all relevant safety information, including warning labels and instruction manuals. The purchaser also agrees to maintain the safety features and working condition of the machine, and to adequately train all users in the safe use and maintenance of the machine. The purchaser agrees to defend, protect, indemnify, and hold Eastman Machine Company and its subsidiaries harmless from and against all claims, losses, expenses, damages, and liabilities to the extent that they have been caused by the purchaser's failure to comply with the terms and instructions of this manual.

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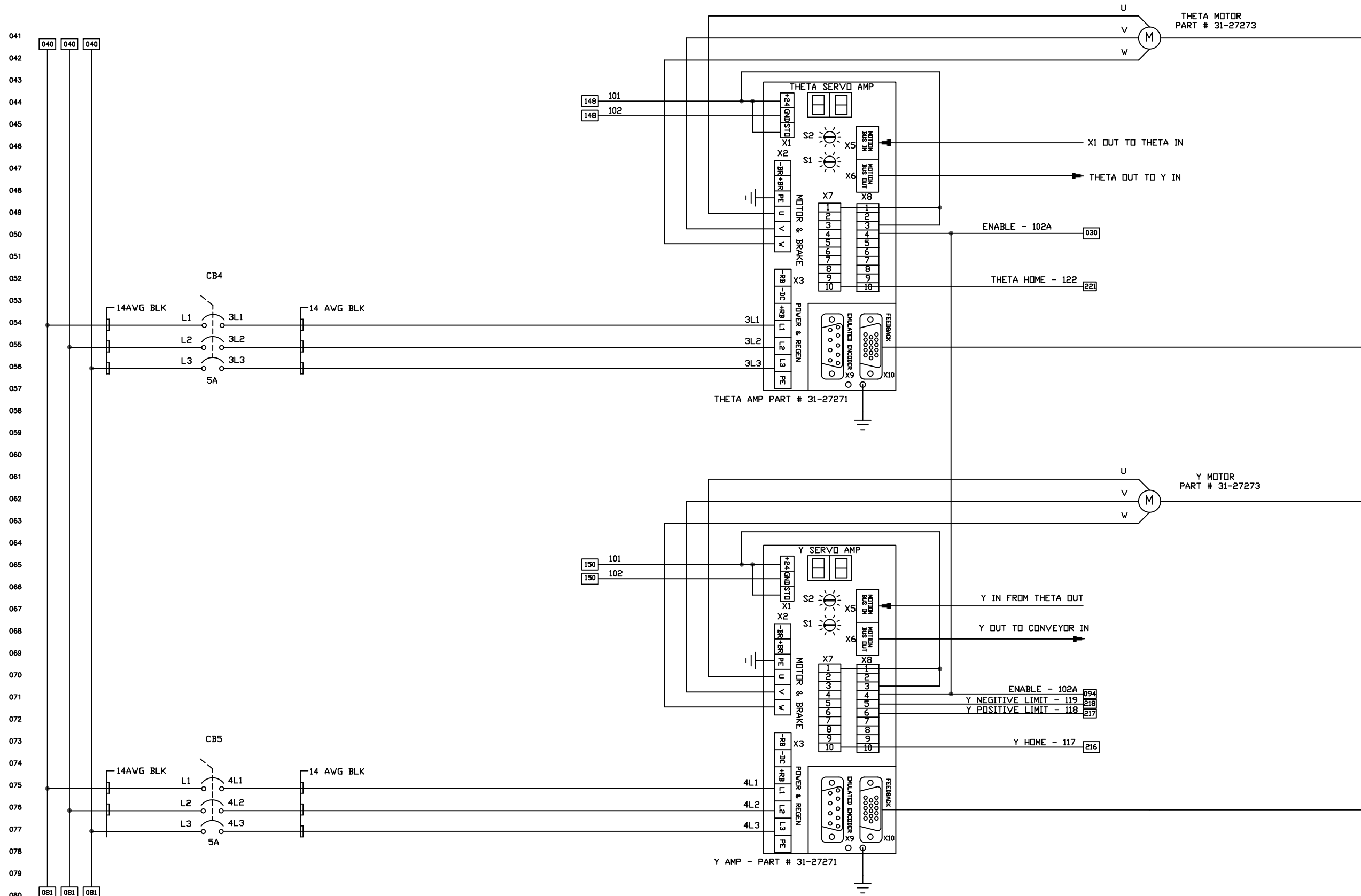
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Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(1 of 12)

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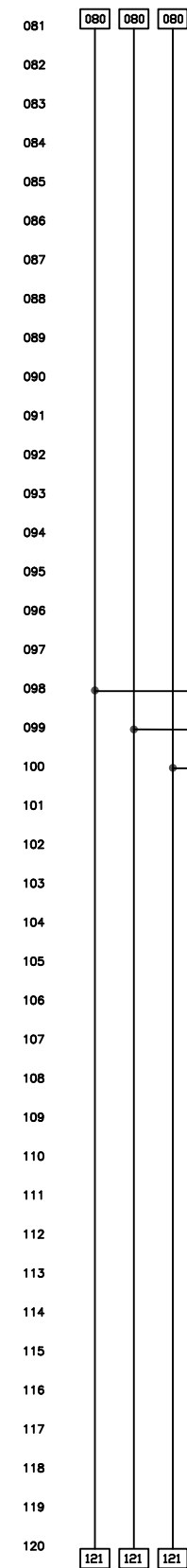
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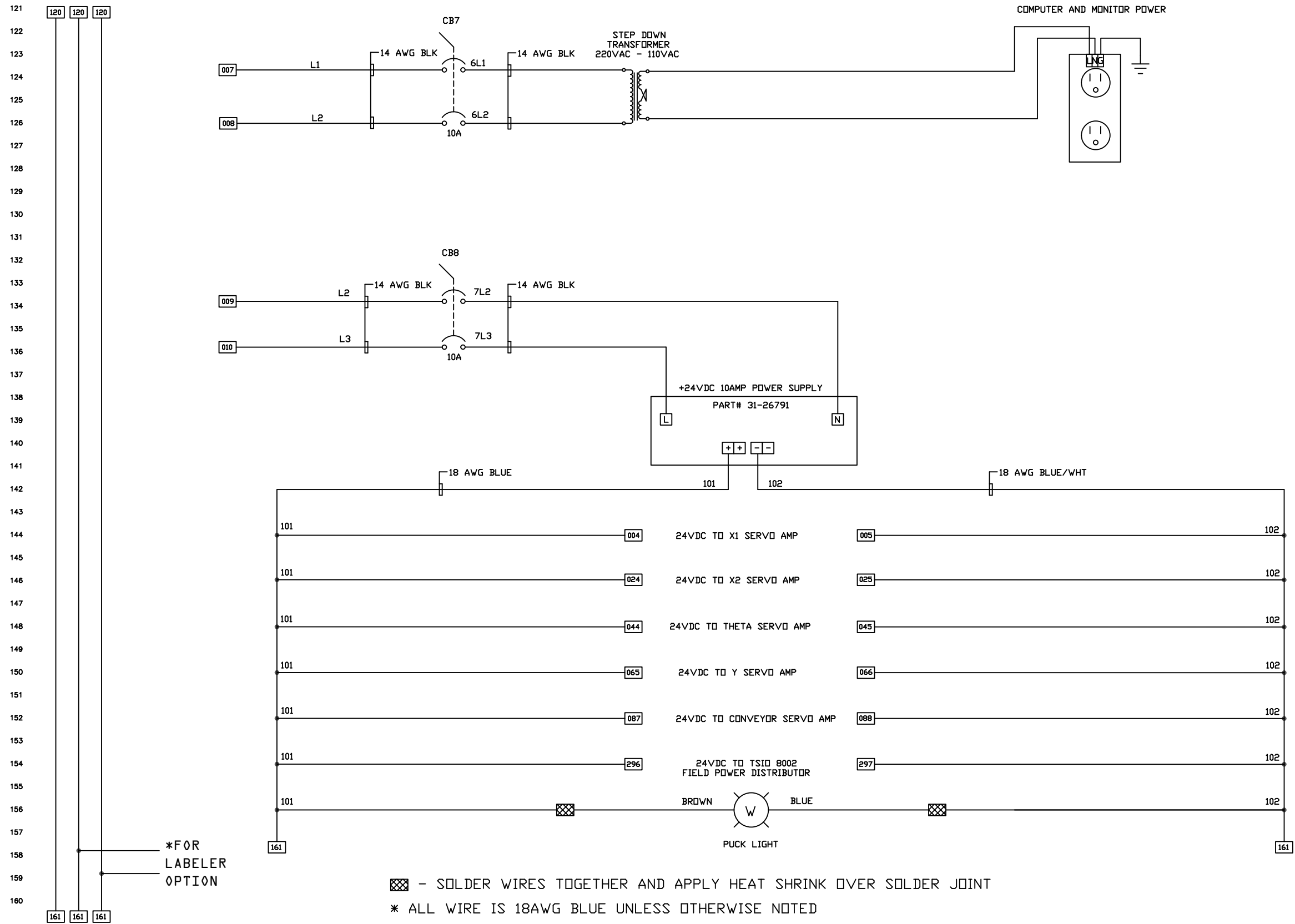
Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(2 of 12)

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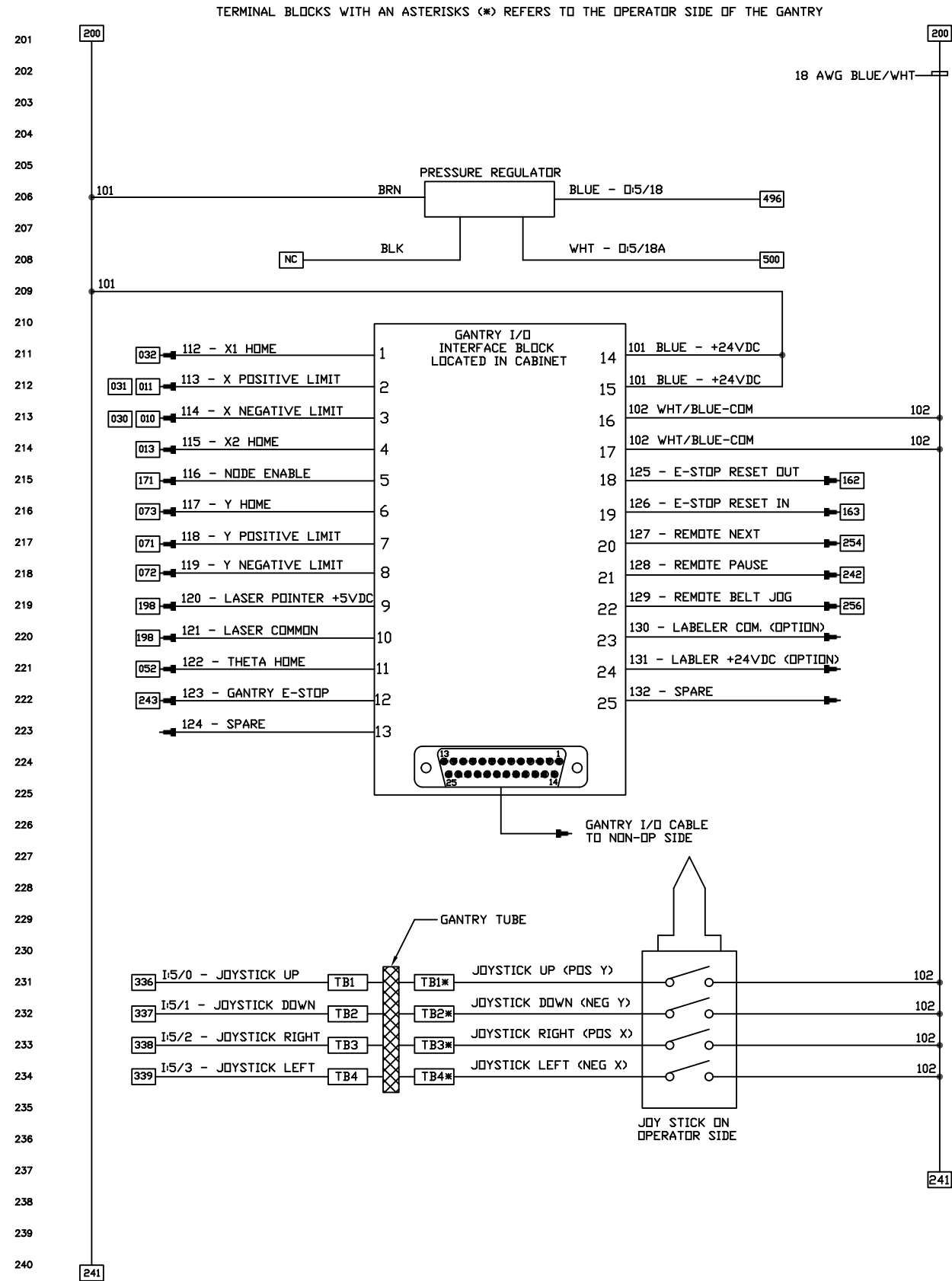
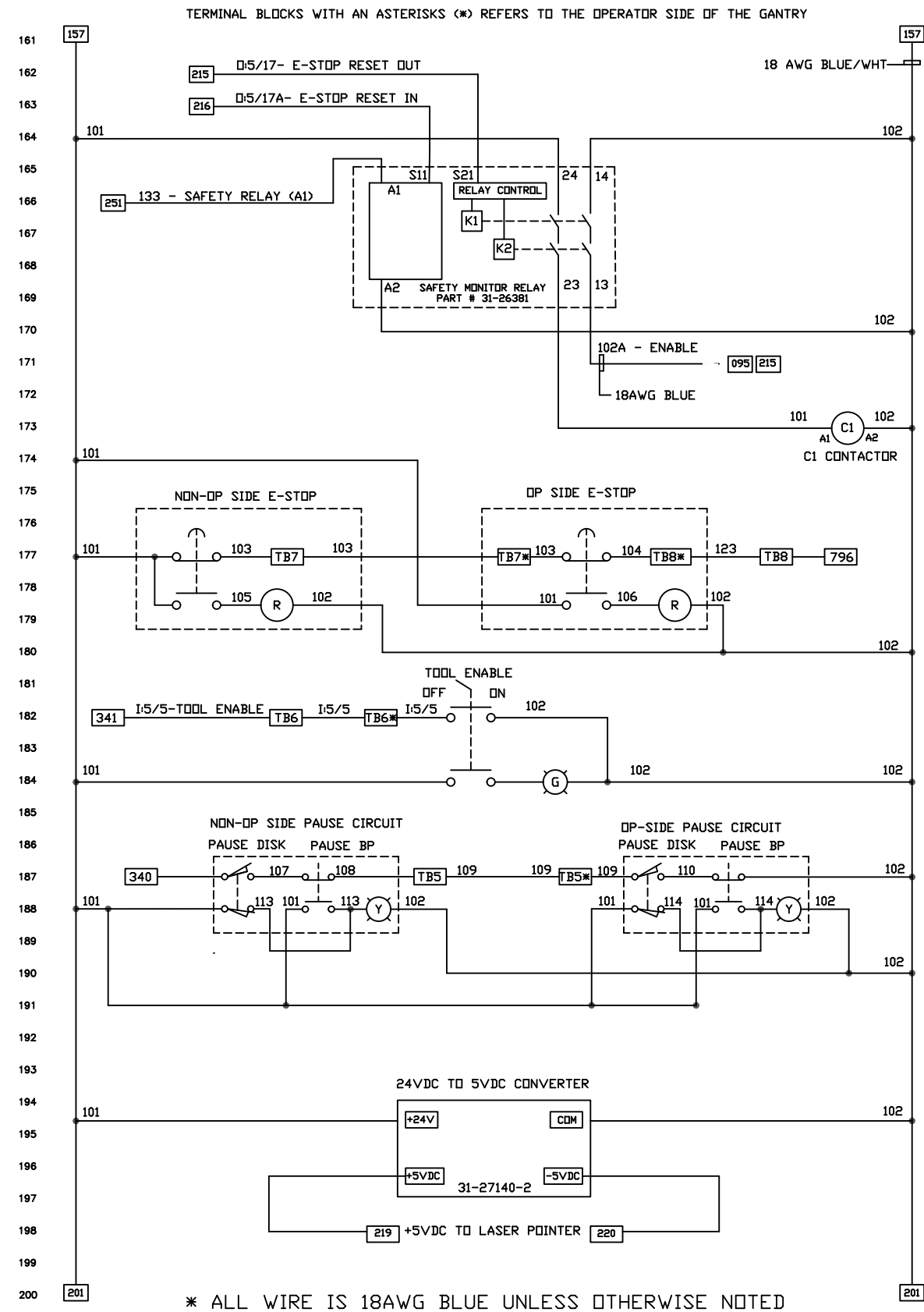


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Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(4 of 12)

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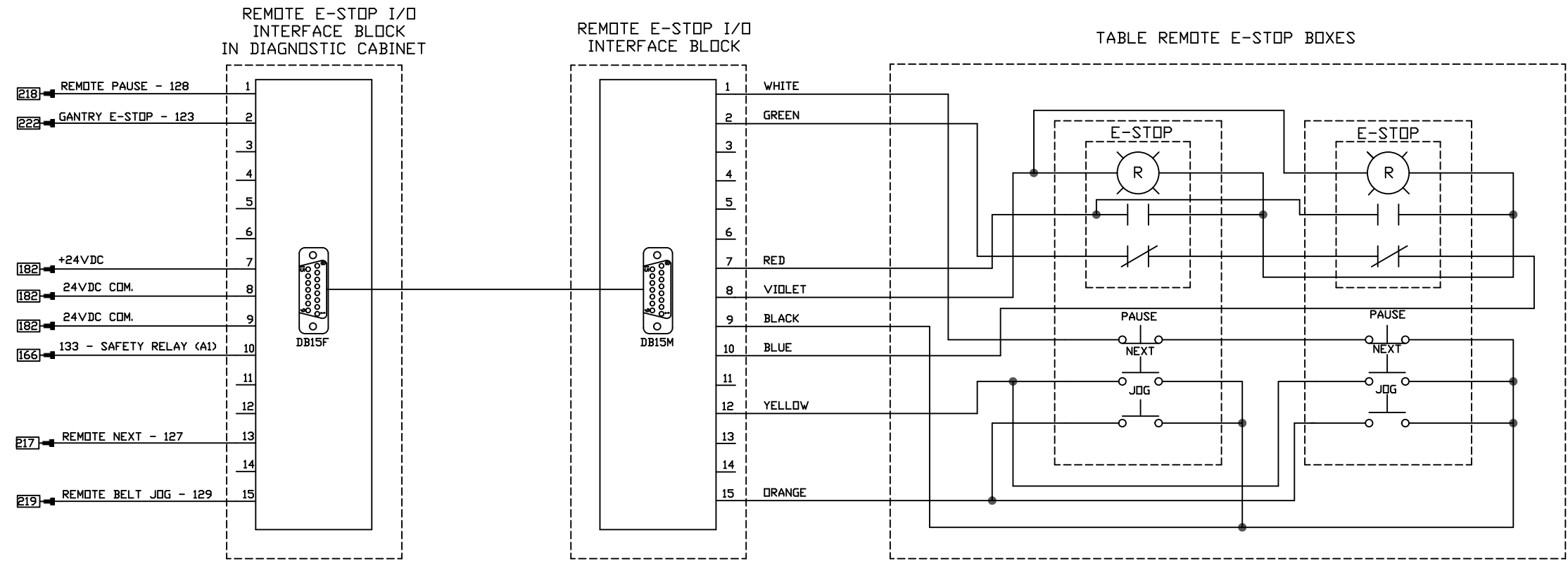


Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(5 of 12)

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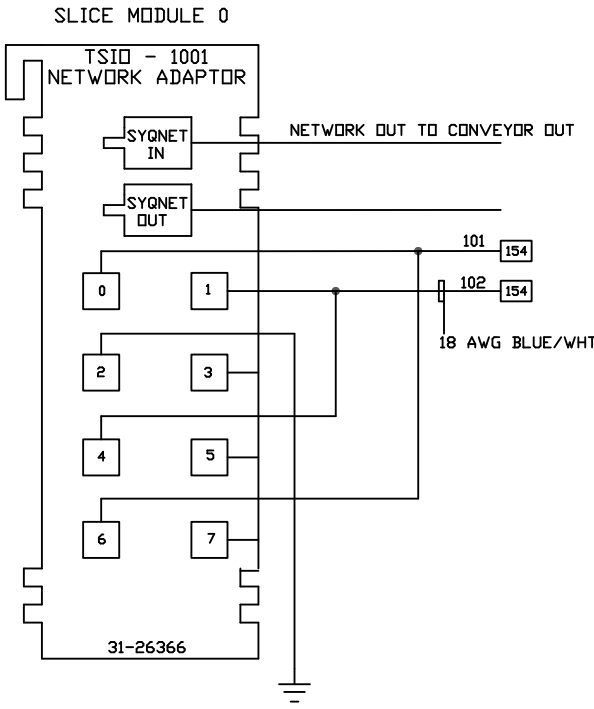


Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(6 of 12)

* ALL WIRE IS 18AWG BLUE UNLESS OTHERWISE NOTED

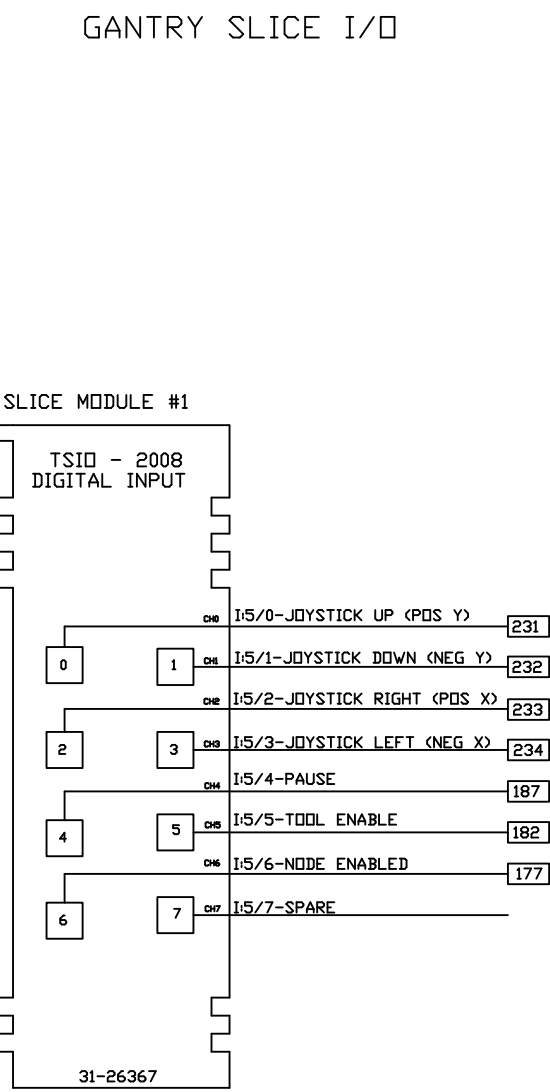
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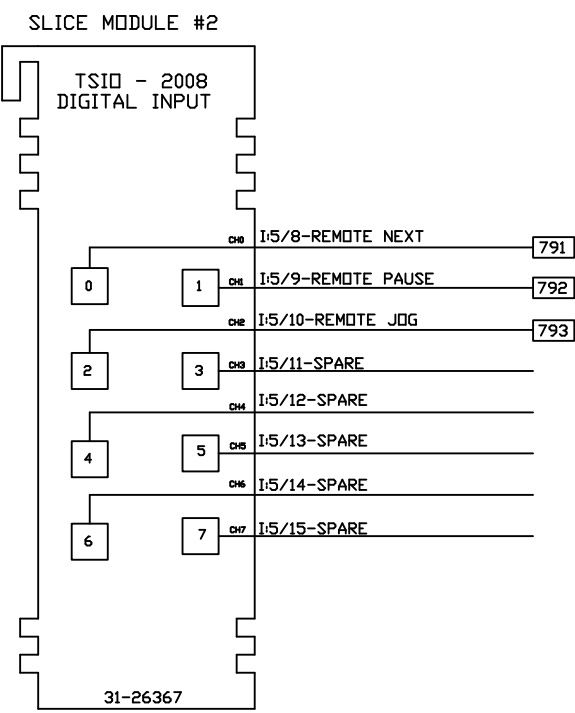


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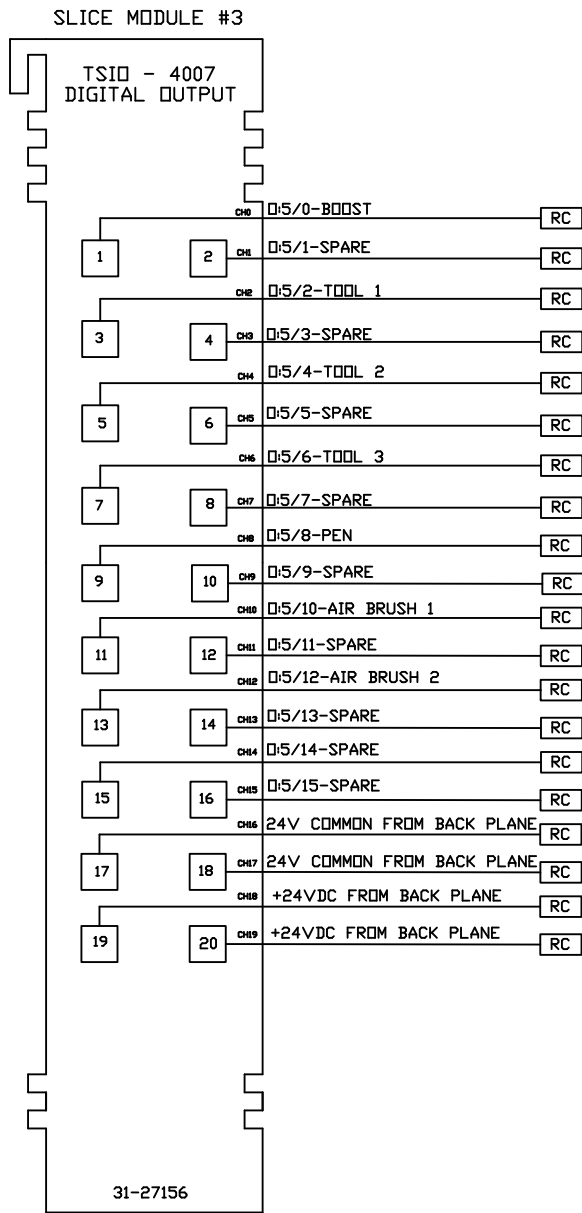
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Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(7 of 12)

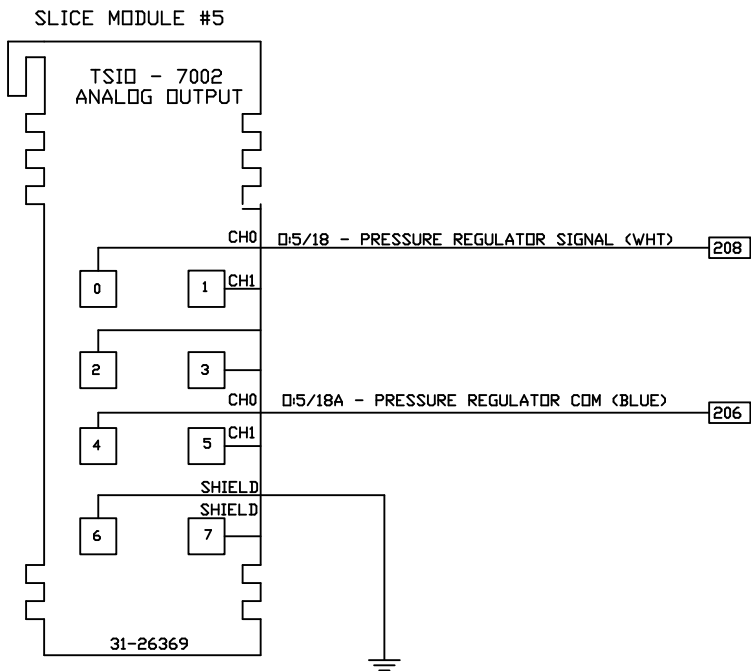
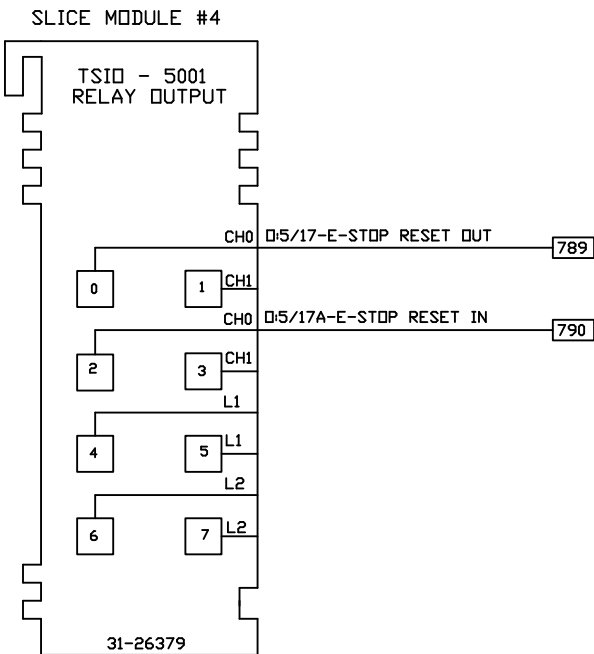
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RC - RIBBON CABLE PLUGS DIRECTLY INTO SLICE CARD AND SOLENOID BLOCK



* ALL WIRE IS 18AWG BLUE UNLESS OTHERWISE NOTED

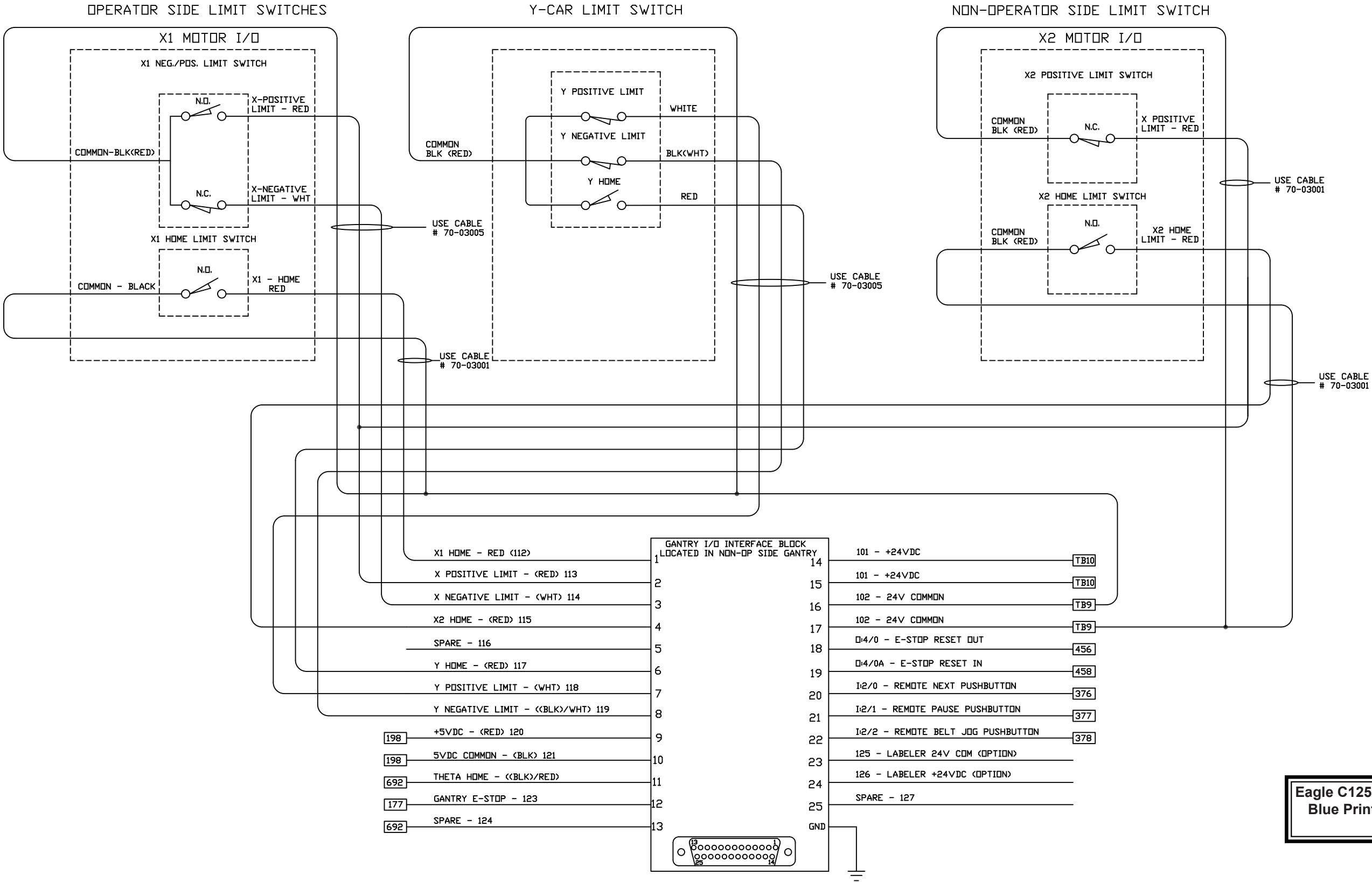
GANTRY SLICE I/O



Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(8 of 12)

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Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(9 of 12)

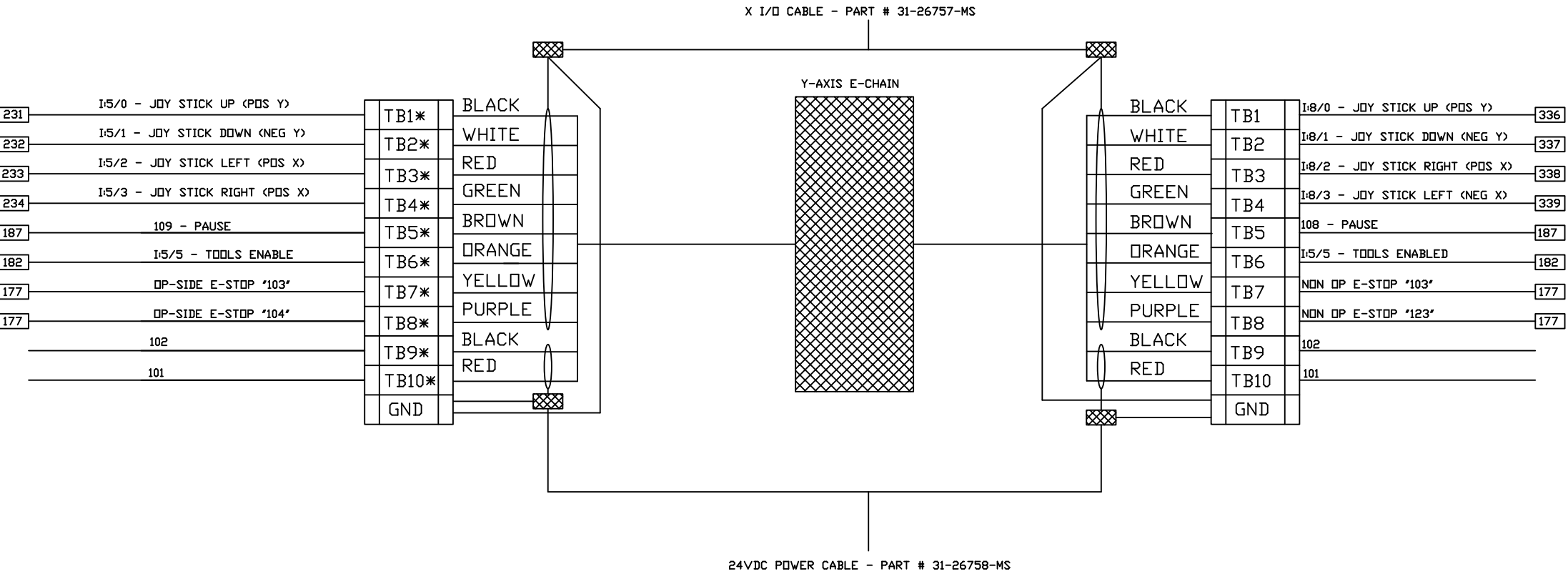
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OPERATOR SIDE - PAUSE / E-STOP CIRCUITS

* - DENOTES OP SIDE TERMINAL BLOCKS

NON OPERATOR SIDE - PAUSE / E-STOP CIRCUITS



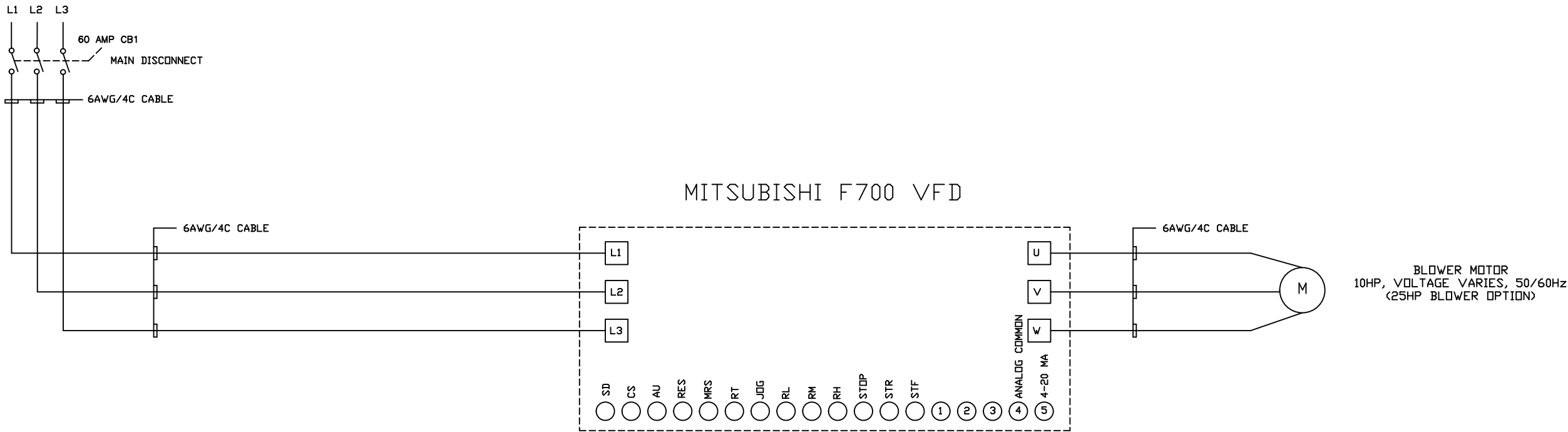
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Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(10 of 12)

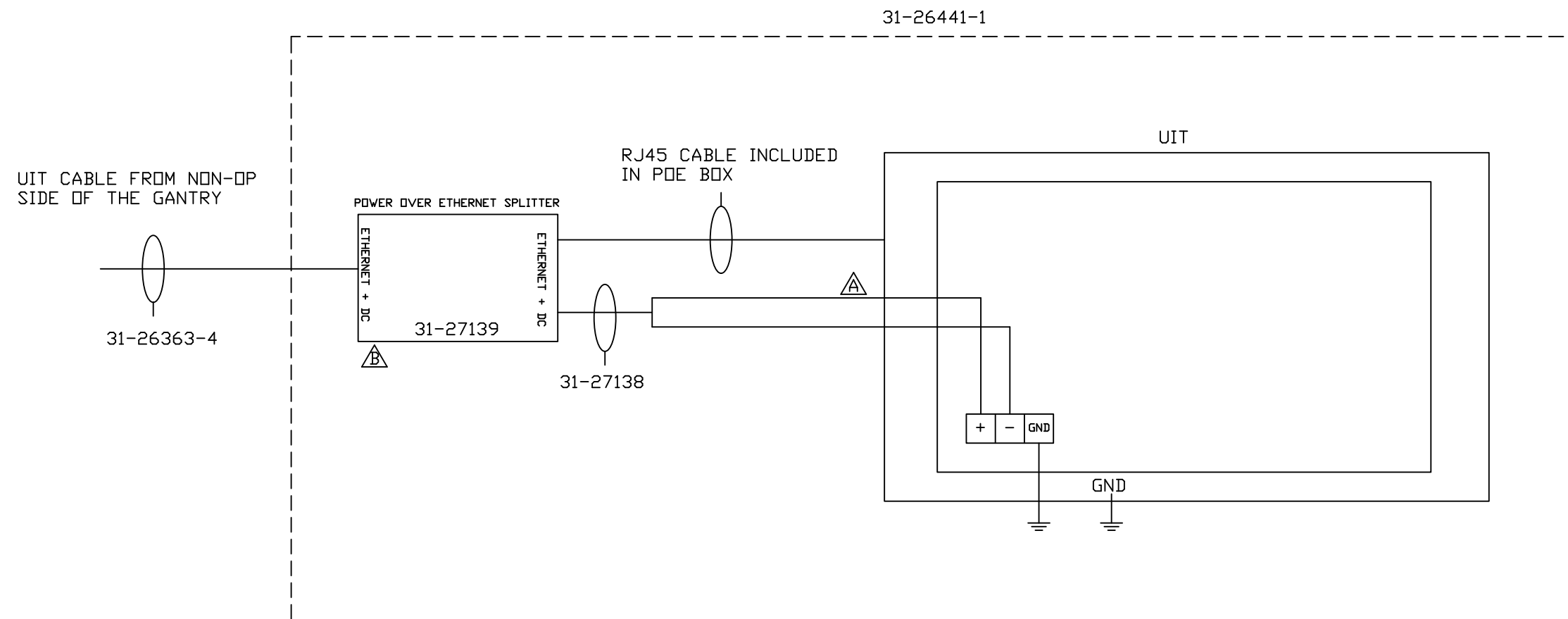
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3 PHASE, AC VOLTAGE SUPPLIED BY CUSTOMER



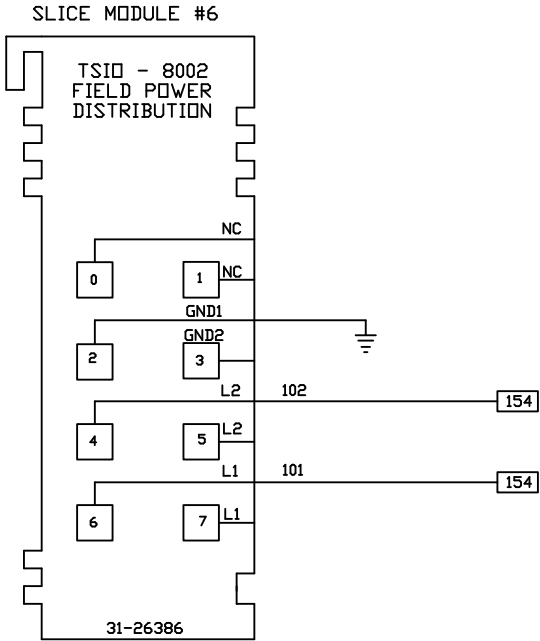
Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(11 of 12)



Eagle C125 3 Phase Schematic
Blue Print No. 31-9000-59-1
(12 of 12)

INKJET OPTION ONLY

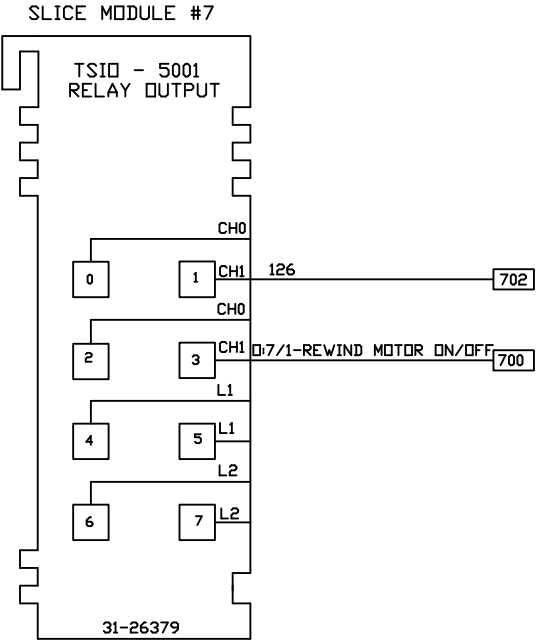
THE FOLLOWING SLICE CARDS MODULE #6 TO MODULE 9
ARE FOR THE INKJET OPTION ONLY



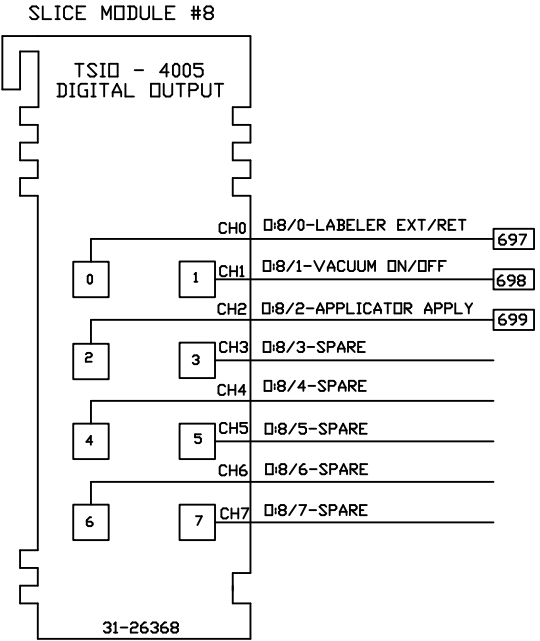
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GANTRY SLICE I/O

THE FOLLOWING SLICE CARDS MODULE #6 TO MODULE 9
ARE FOR THE INKJET OPTION ONLY

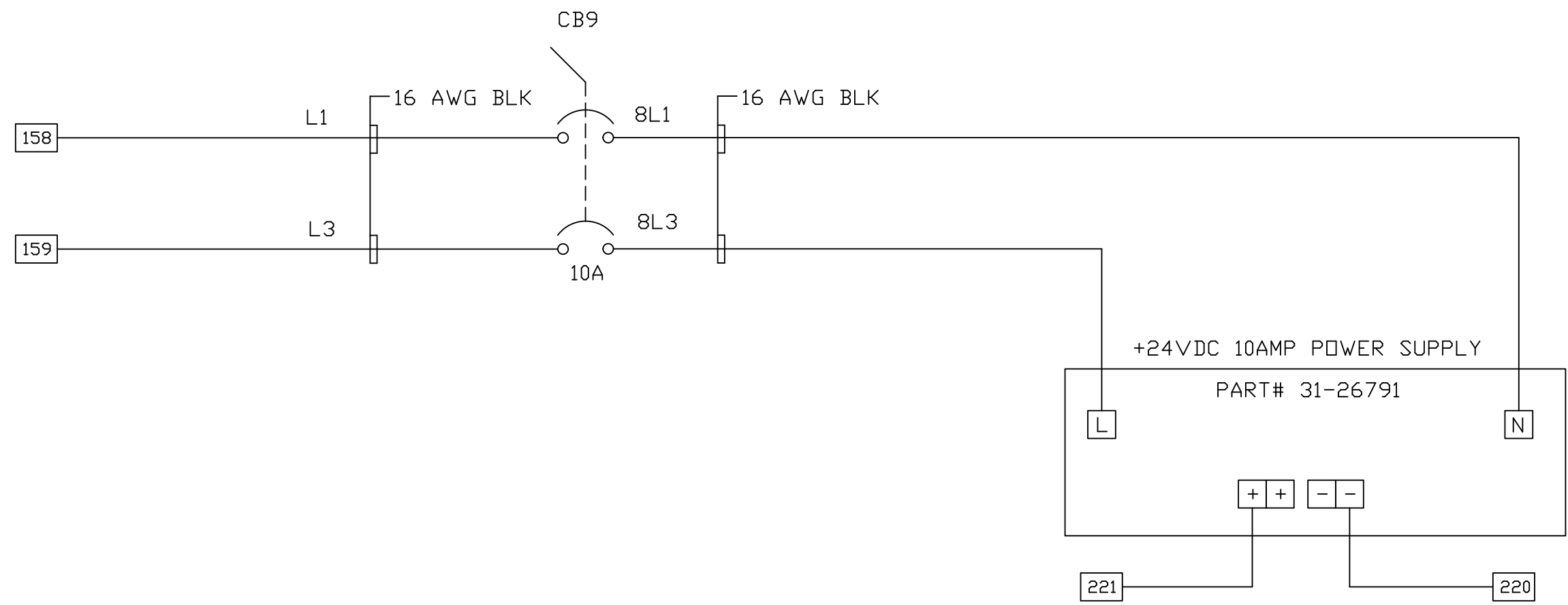


THE FOLLOWING SLICE CARDS MODULE #6 TO MODULE 9
ARE FOR THE INKJET OPTION ONLY



JetPRO Option
Blue Print No. 31-9000-59-1
(1 of 1)

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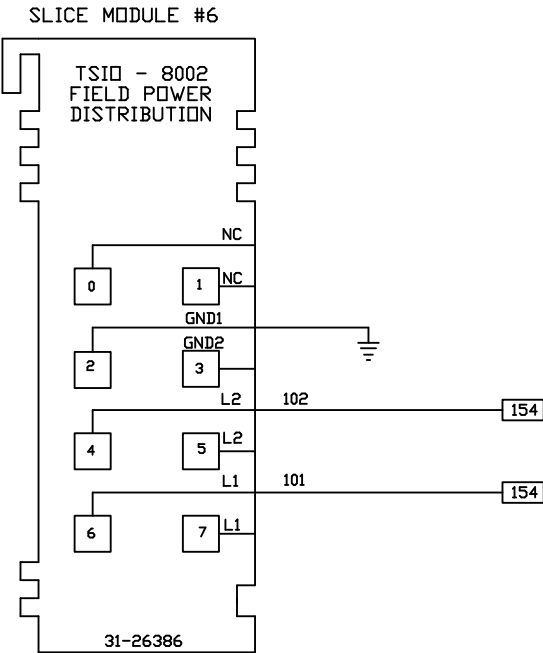
* THIS IS ONLY IF THE CUSTOMER HAS THE LABELER OPTION

Labeler Option
Blue Print No. 31-9000-59-1
(1 of 3)

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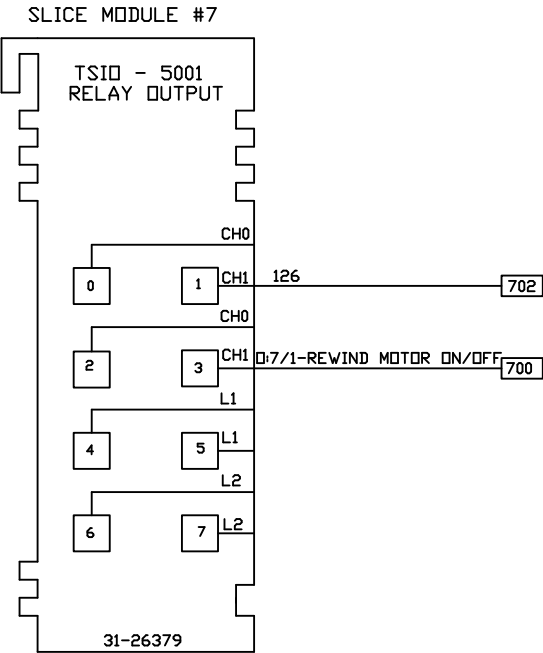
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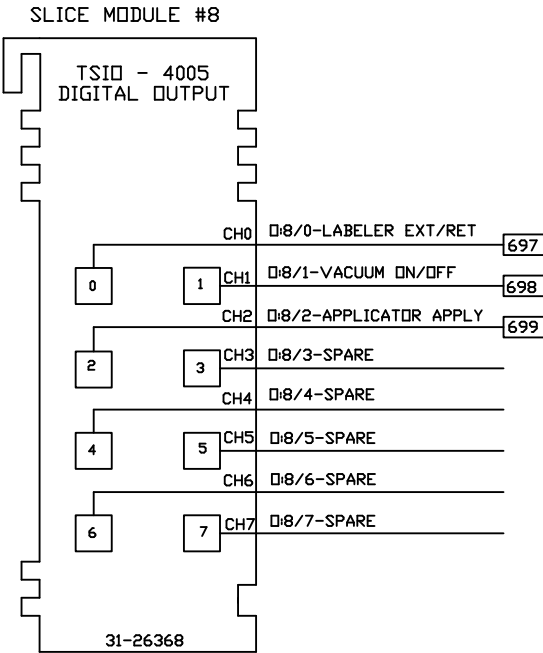


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THE FOLLOWING SLICE CARDS MODULE #6 TO MODULE 9
ARE FOR THE LABELER OPTION ONLY



THE FOLLOWING SLICE CARDS MODULE #6 TO MODUL
ARE FOR THE LABELER OPTION ONLY



Labeler Option
Blue Print No. 31-9000-59-1
(2 of 3)

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641 THE FOLLOWING SLICE CARDS MODULE #6 TO MODULE 9
642 ARE FOR THE LABELER OPTION ONLY

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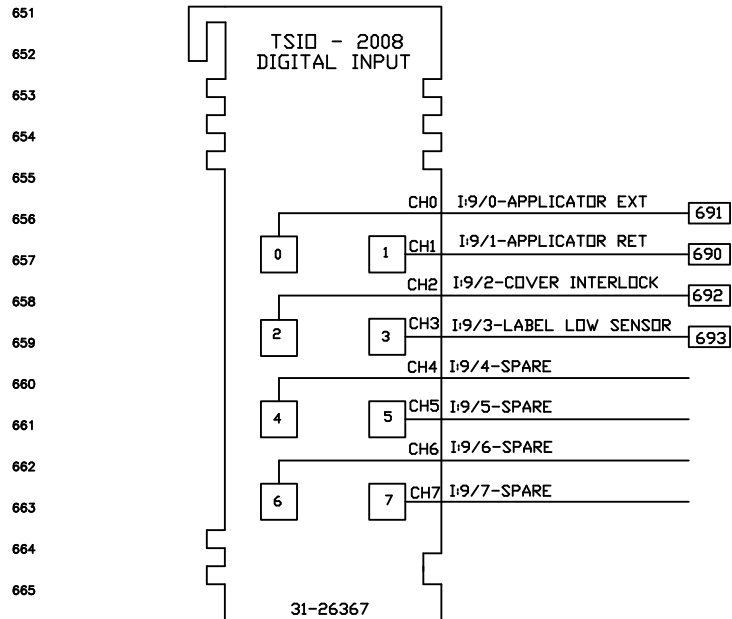
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650 SLICE MODULE #9



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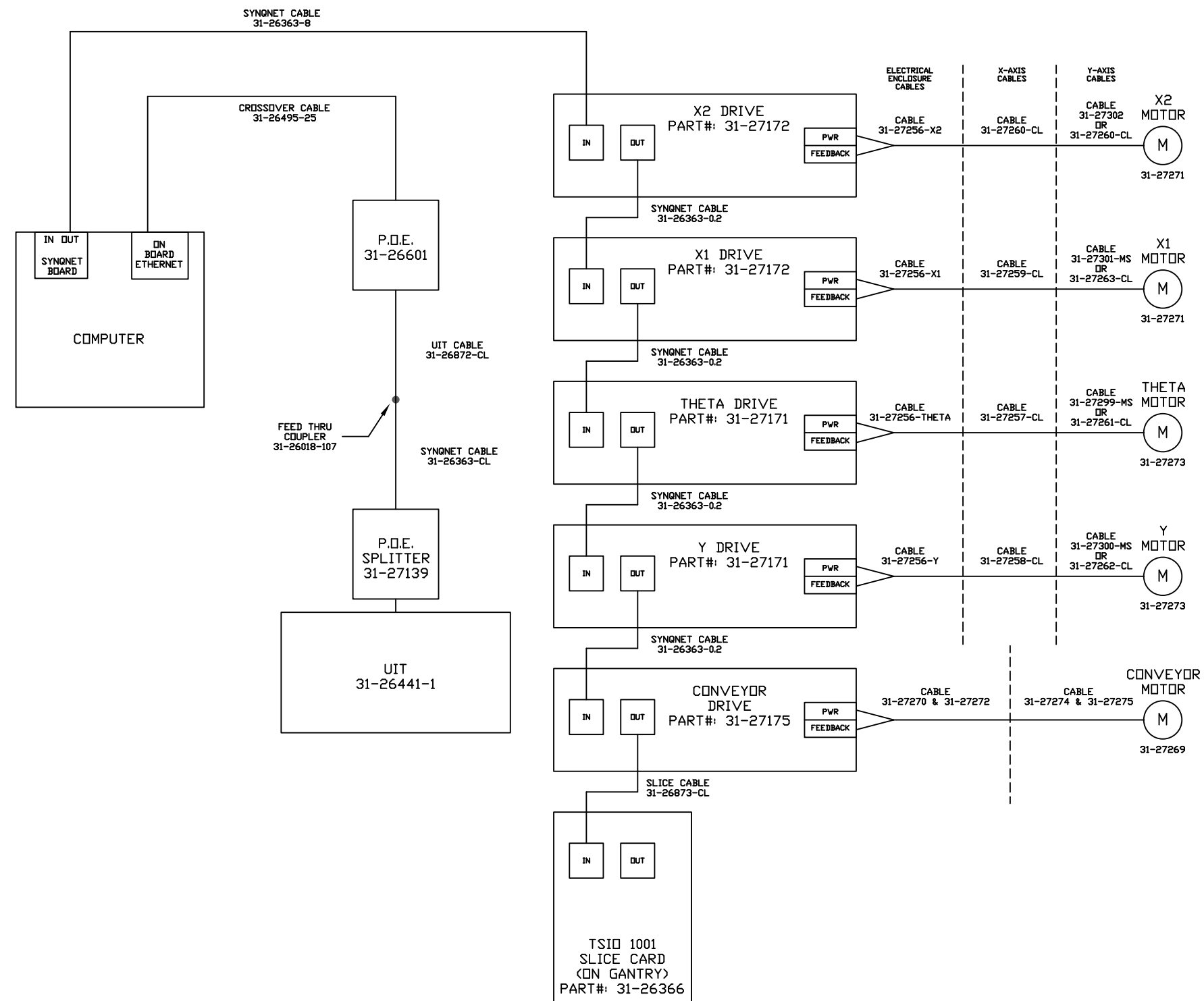
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Labeler Option
Blue Print No. 31-9000-59-1
(3 of 3)

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Eagle C125 Cable Wiring
Blue Print No. 31-9000-69
(1 of 1)

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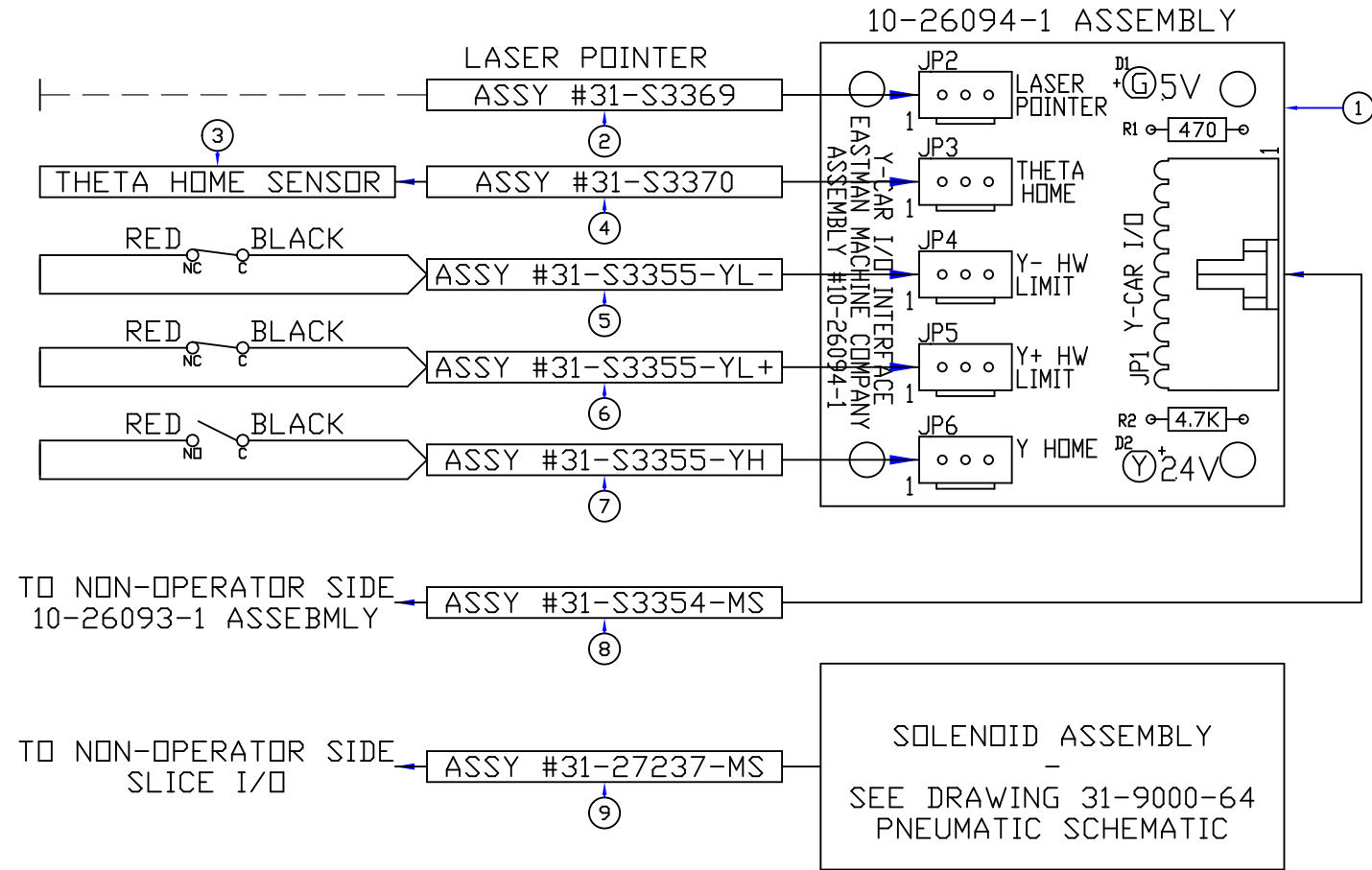
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HARDWARE SWITCHES
P/N 31-00922

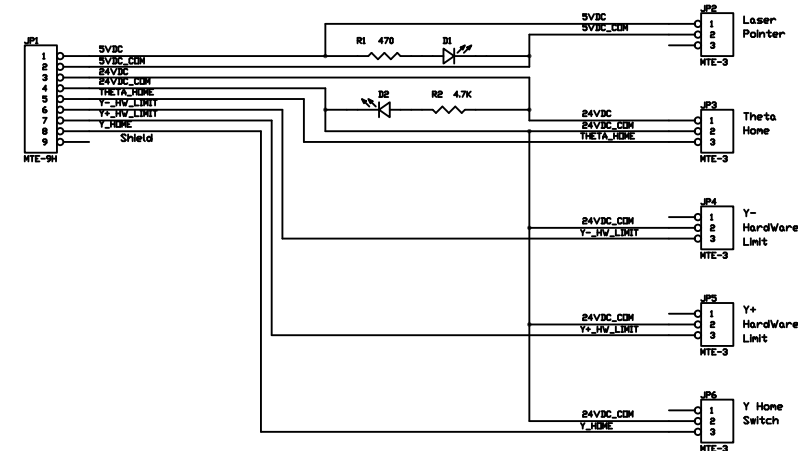
Y NEGATIVE HARDWARE
LIMIT SWITCH

Y POSITIVE HARDWARE
LIMIT SWITCH

Y HOME
SWITCH



9	31-27237-MS	RIBBON CABLE FOR GANTRY OUTPUT	1
8	31-S3354-MS	Y-AXIS I/O ASSY, X125 MACHINES	1
7	31-S3355-YH	Y HOME SWITCH CABLE ASSEMBLY, X125	1
6	31-S3355-YL+	Y POS HW LIMIT CABLE ASSEMBLY, X125	2
5	31-S3355-YL-	Y NEG HW LIMIT CABLE ASSEMBLY, X125	1
4	31-S3370	THETA PROXIMITY SENSOR WIRING ASSY	1
3	31-03008	SENSOR, PROXIMITY, NPN	1
2	31-S3369	LASER POINTER ASSEMBLY, 125 MACHINES	1
1	10-26094-1	I/O PCB ASSEMBLY, Y-CAR S/C-125	1
ITEM	PART NO.	DESCRIPTION	QTY.
PART REFERENCE			

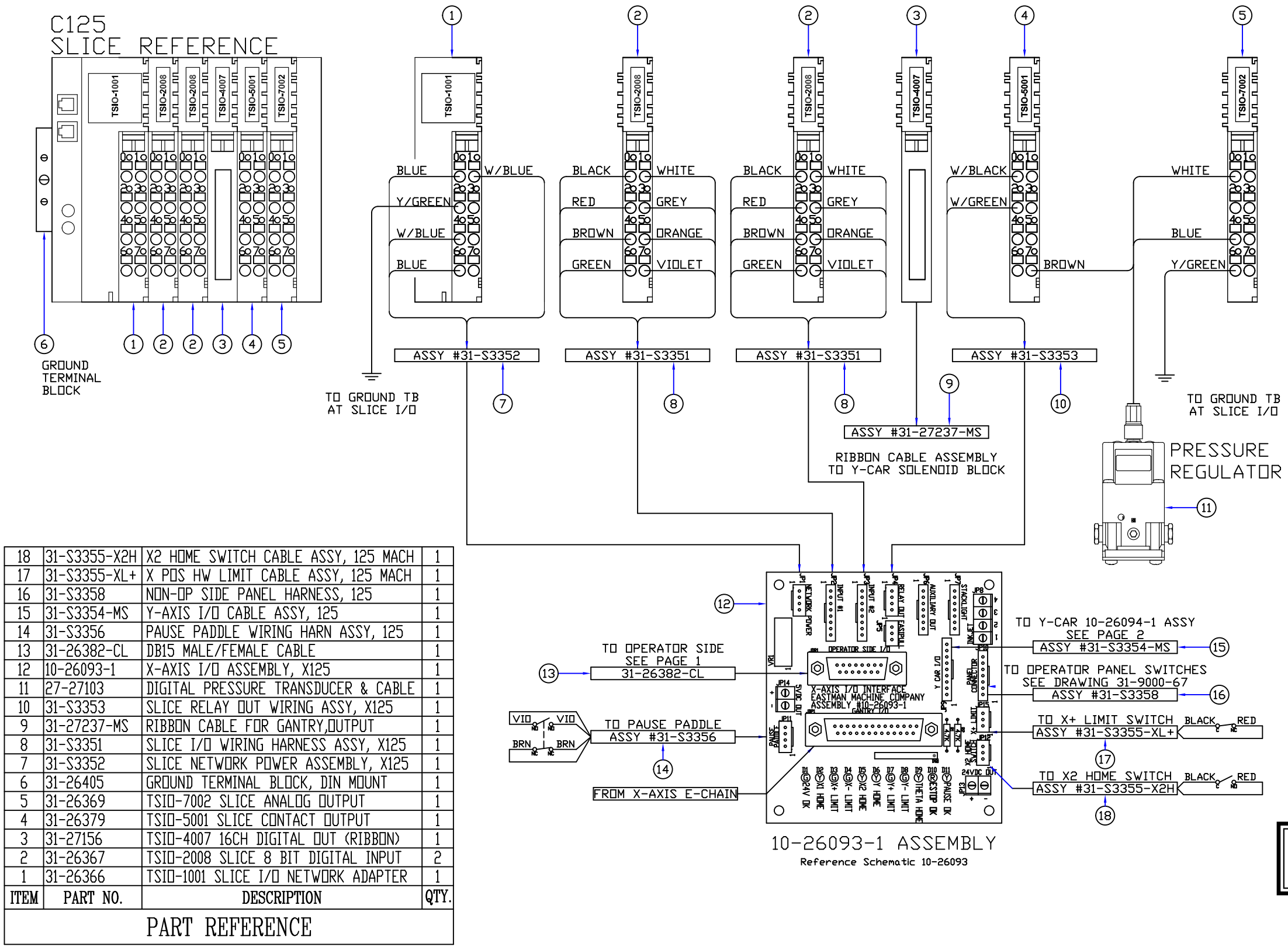


Y-CAR WIRING

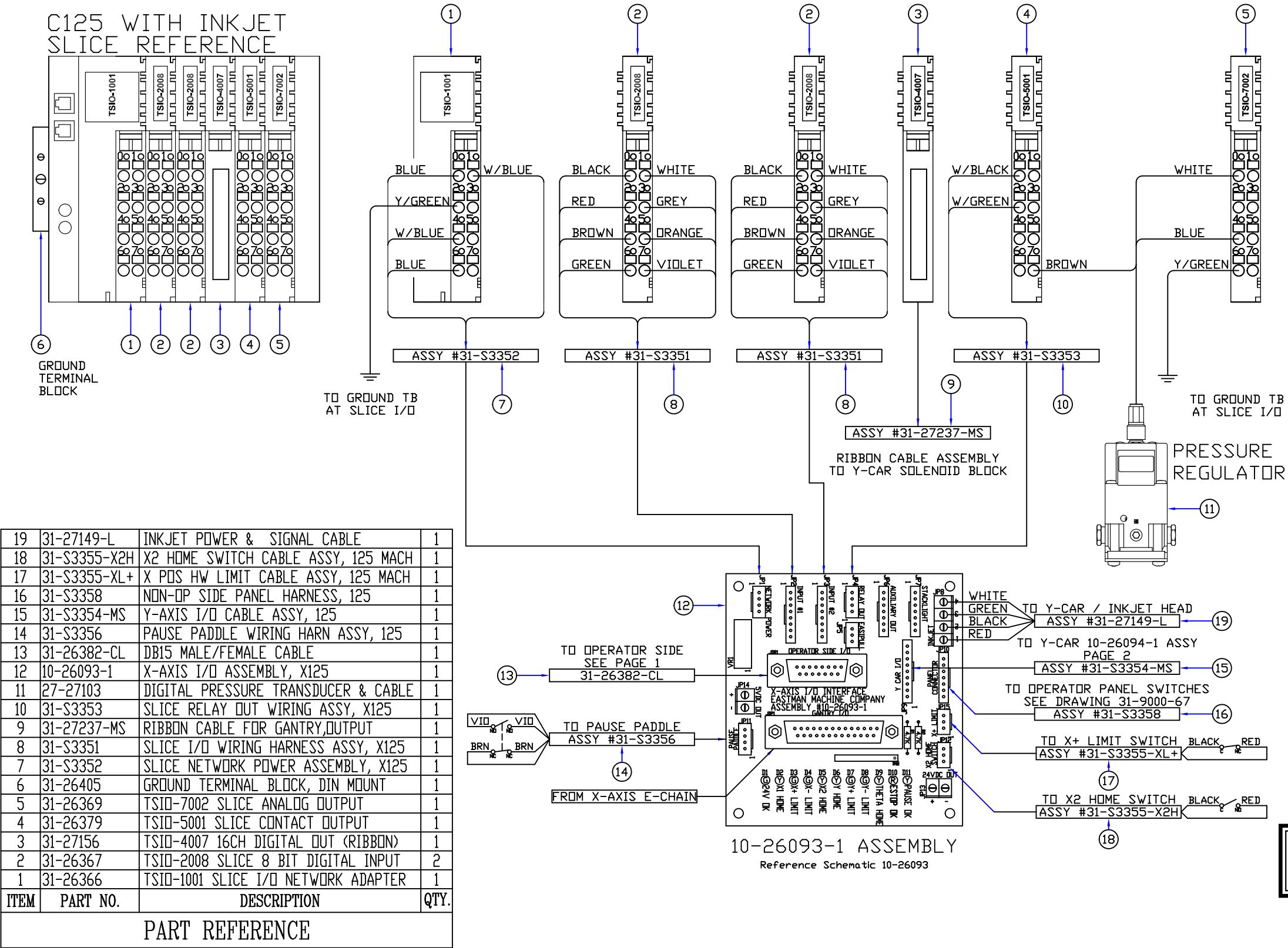
Eagle C125 Gantry Wiring
Blue Print No. 31-9000-72
(2 of 5)

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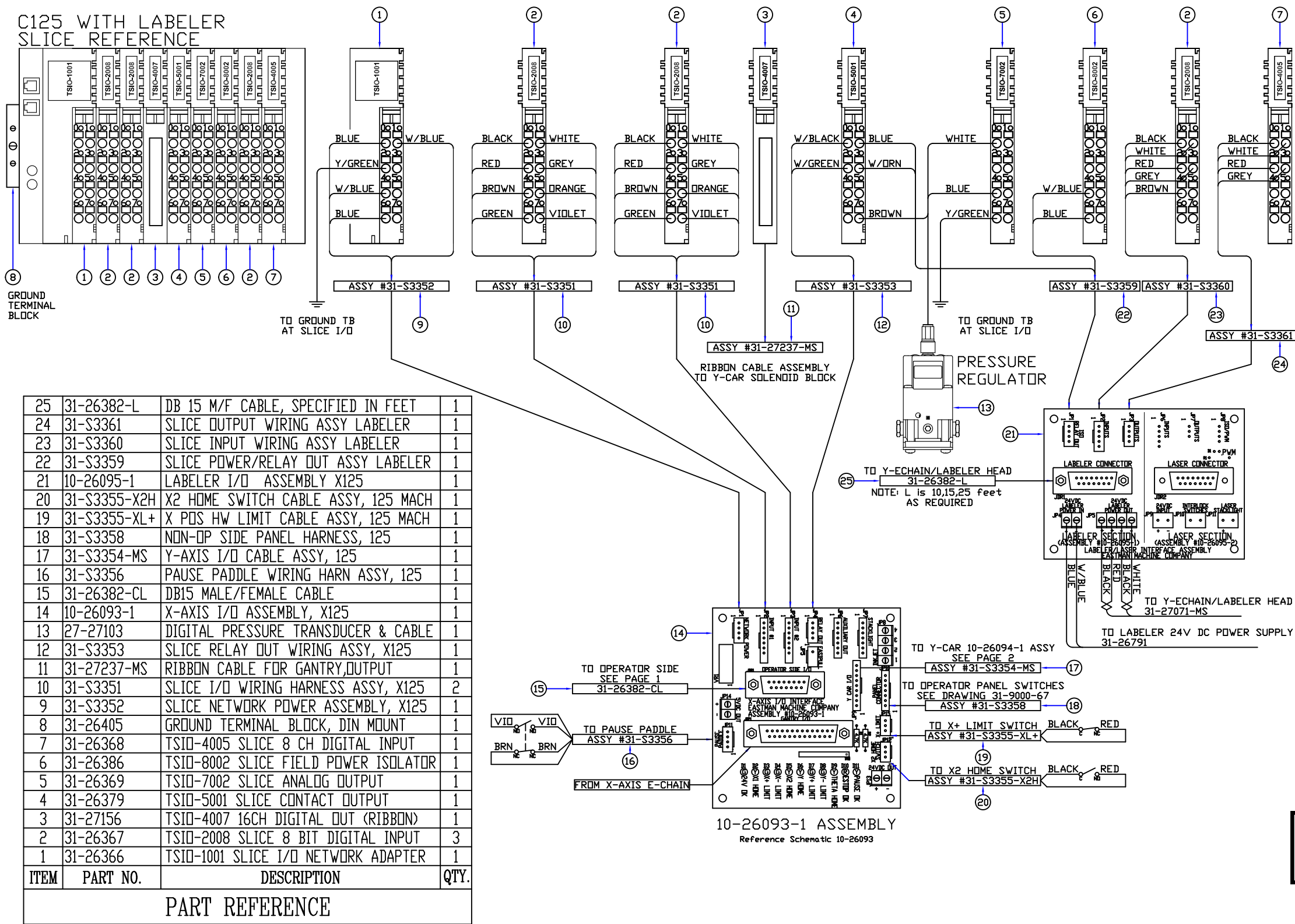


Eagle C125 Gantry Wiring
 Blue Print No. 31-9000-72
 (3 of 5)



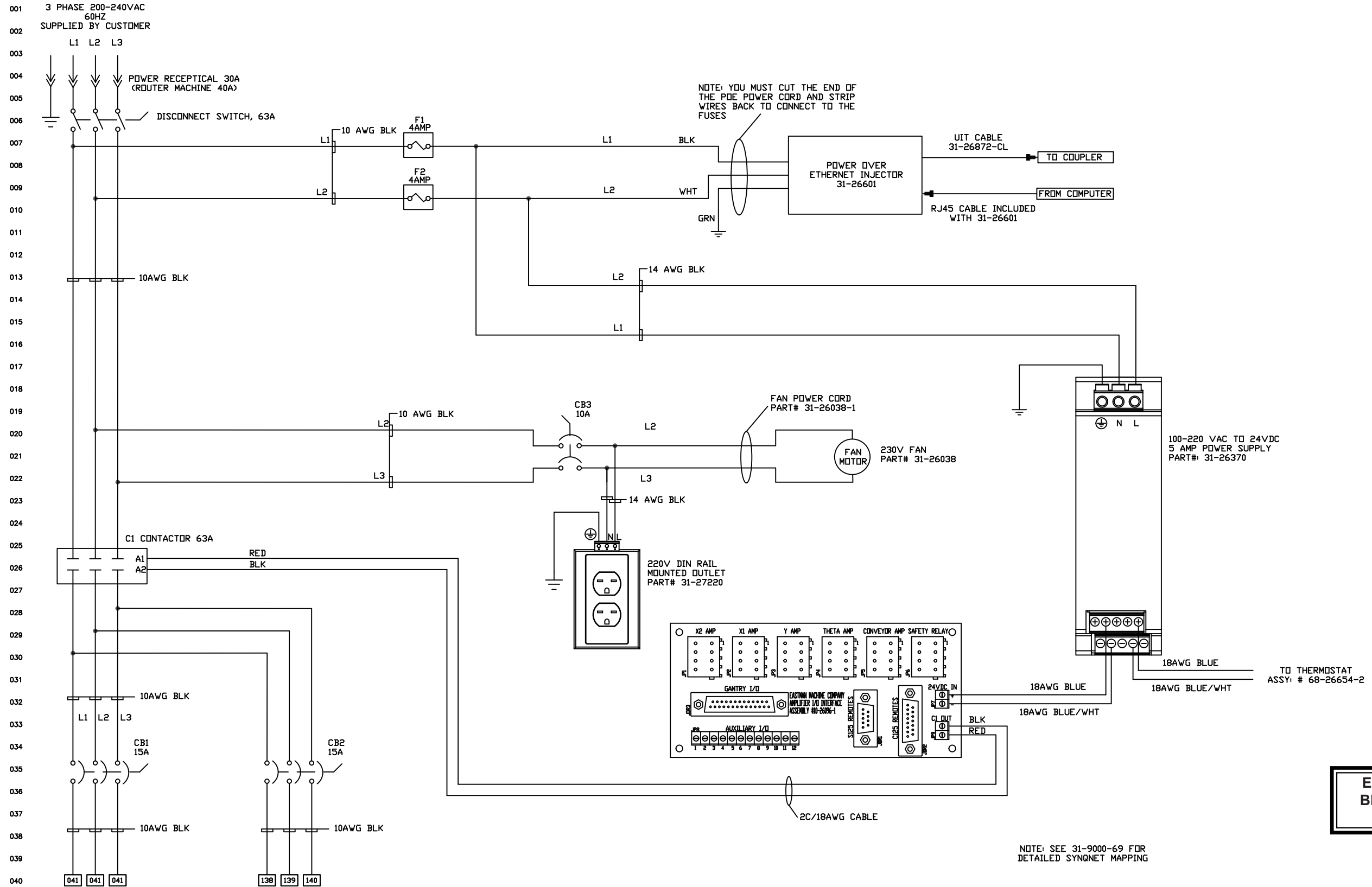
Eagle C125 Gantry Wiring
Blue Print No. 31-9000-72
(4 of 5)

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Eagle C125 Gantry Wiring
Blue Print No. 31-9000-72
(5 of 5)

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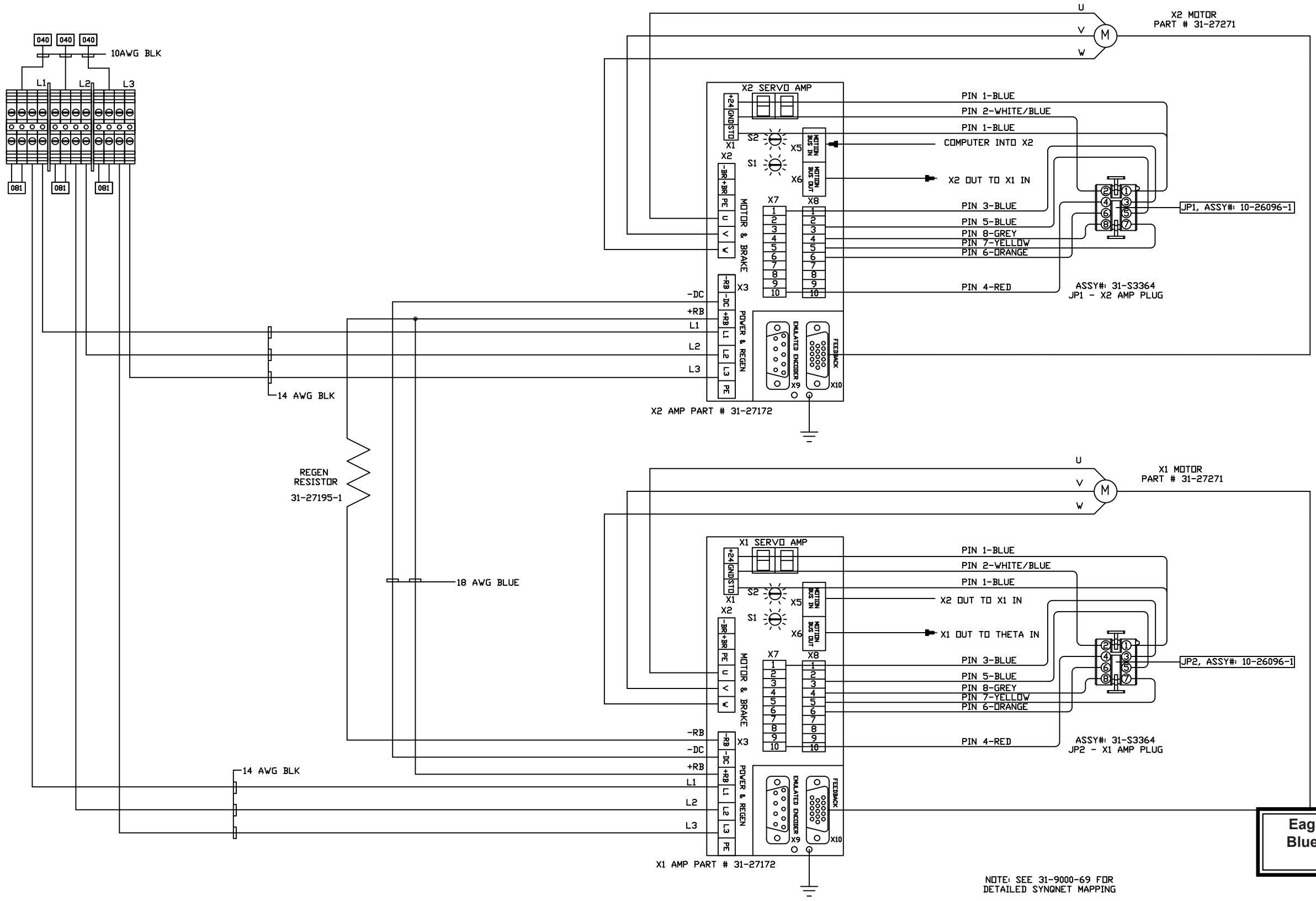


Eagle C125 Kiosk Wiring
Blue Print No. 31-9000-71
(1 of 4)

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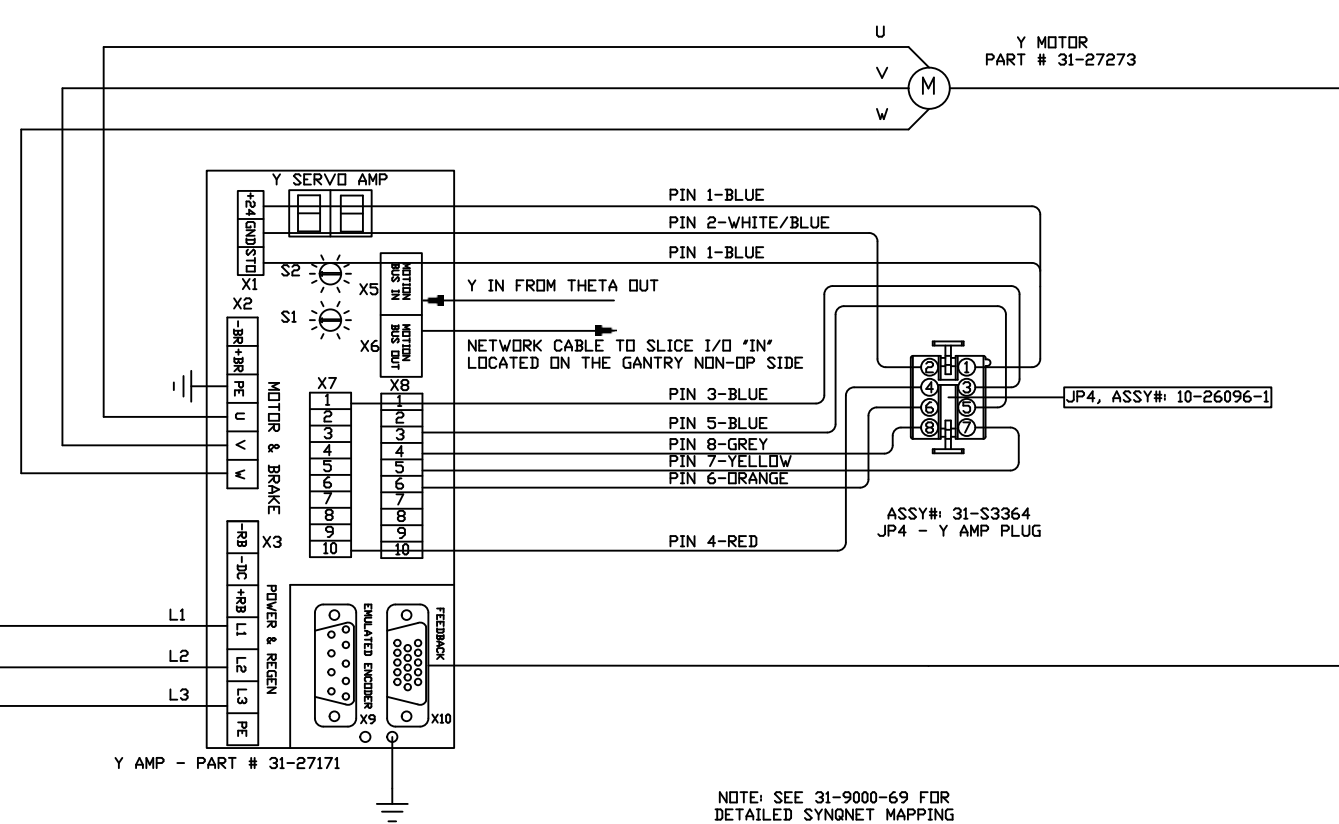
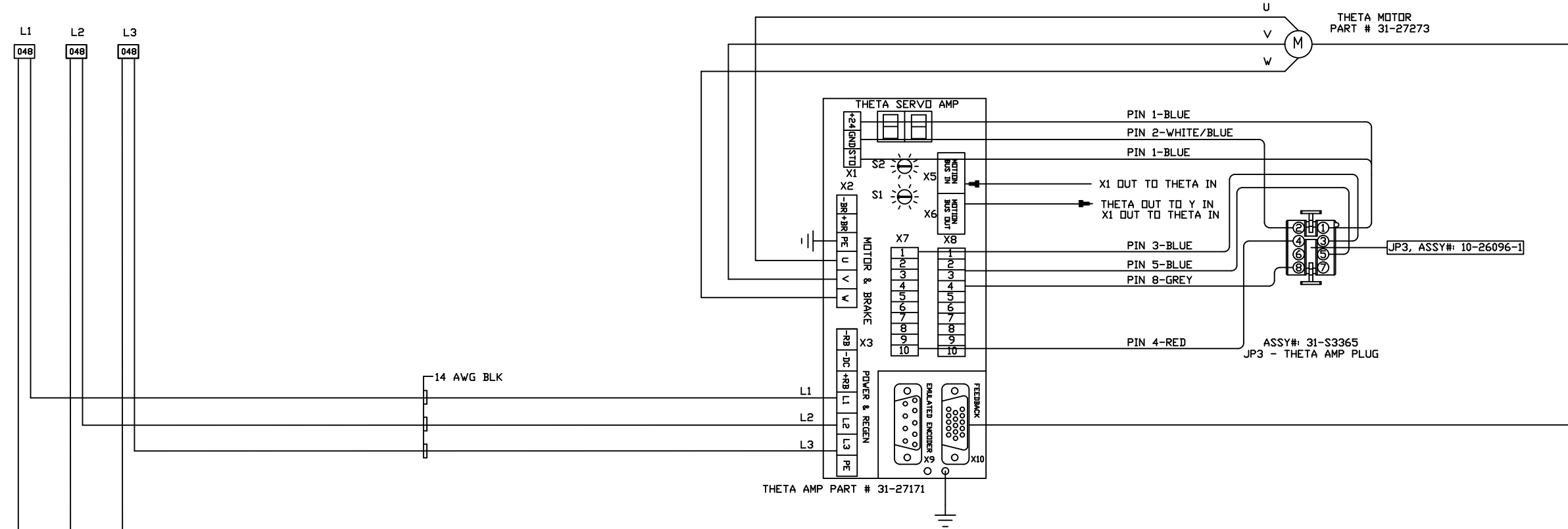
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Eagle C125 Kiosk Wiring
Blue Print No. 31-9000-71
(2 of 4)

NOTE: SEE 31-9000-69 FOR
DETAILED SYNNET MAPPING

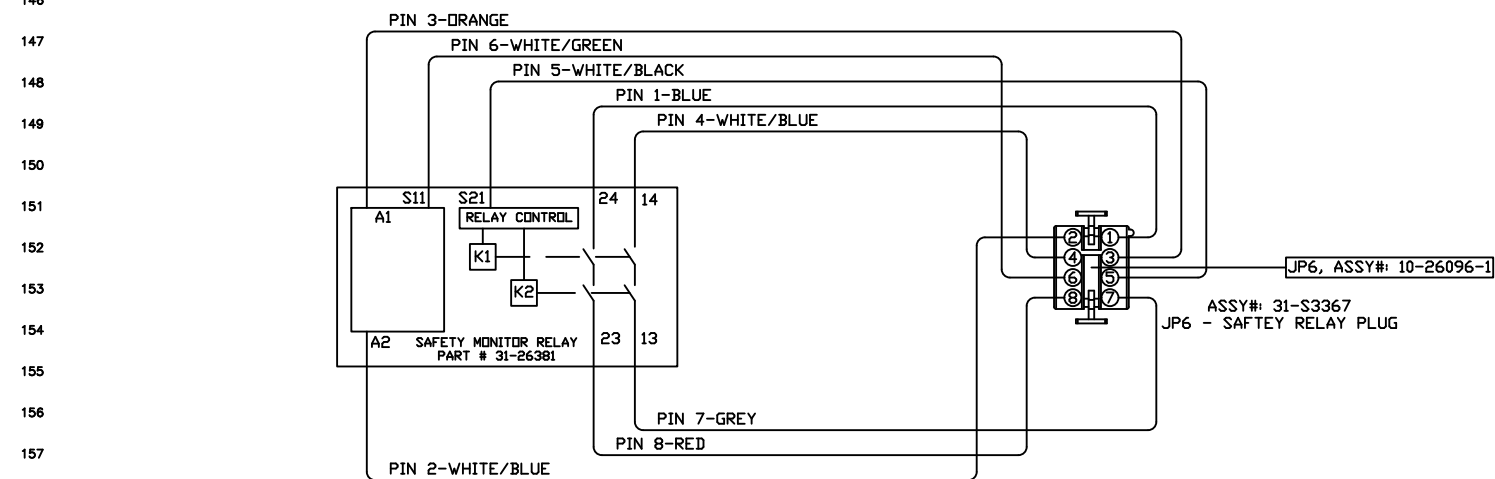
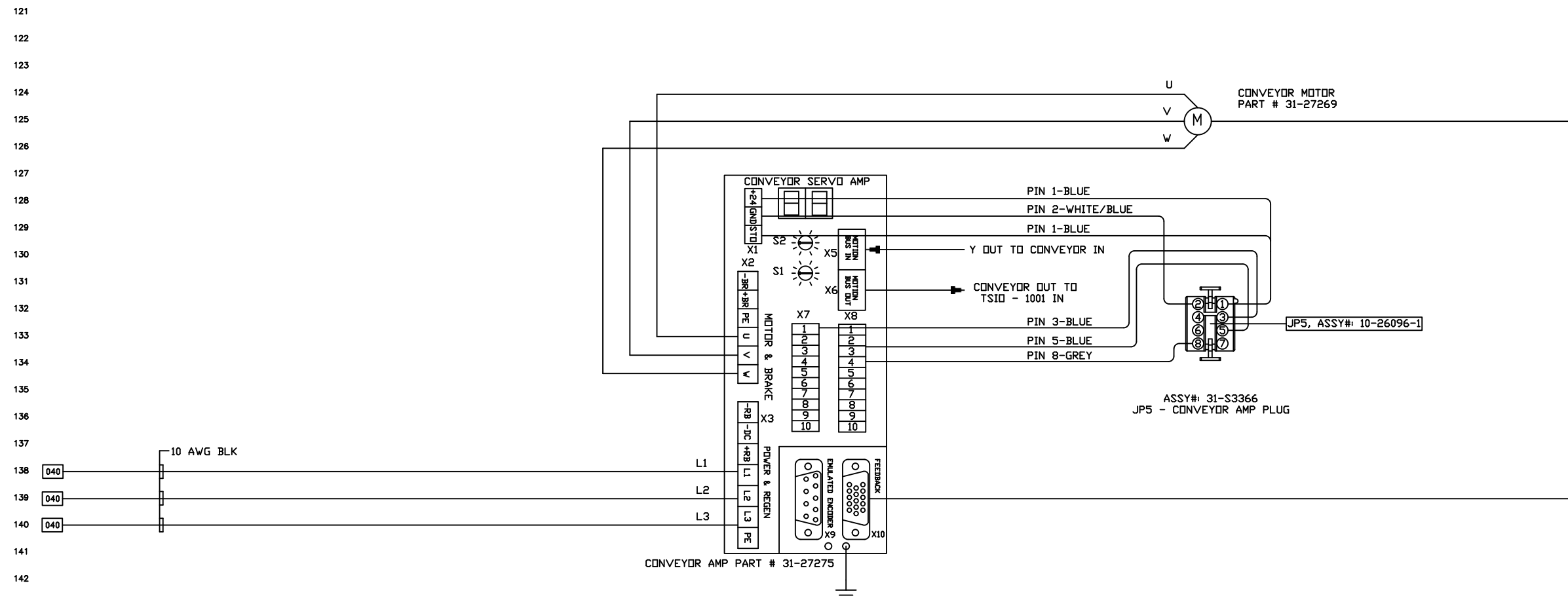
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NOTE: SEE 31-9000-69 FOR
DETAILED SYNGNET MAPPING

Eagle C125 Kiosk Wiring
Blue Print No. 31-9000-71
(3 of 4)

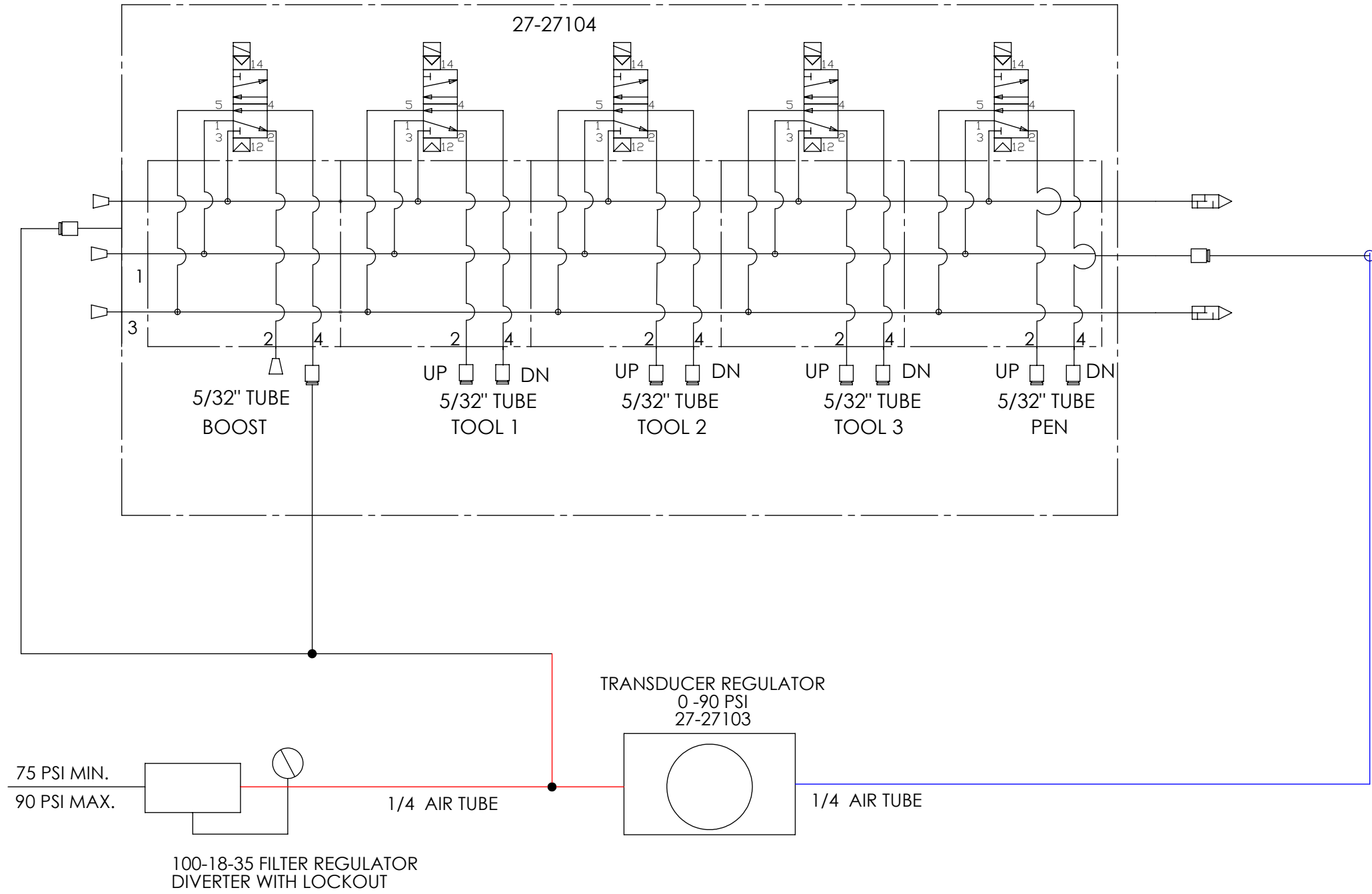
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NOTE: SEE 31-9000-69 FOR
DETAILED SYNQNET MAPPING

Eagle C125 Kiosk Wiring
Blue Print No. 31-9000-71
(4 of 4)

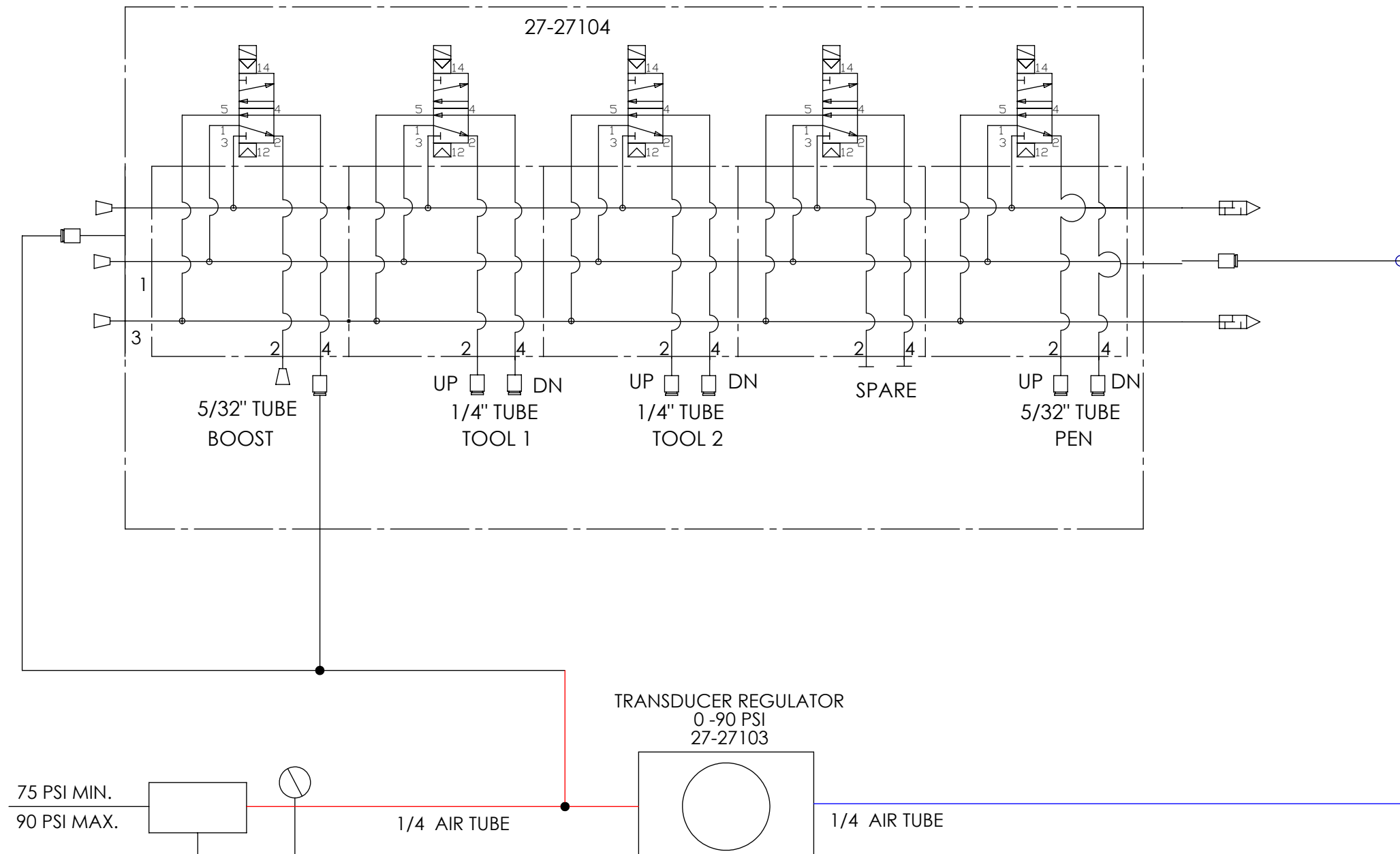
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C125 Pnuematics Diagram
Blue Print No. 31-9000-64
Standard (1 of 7)

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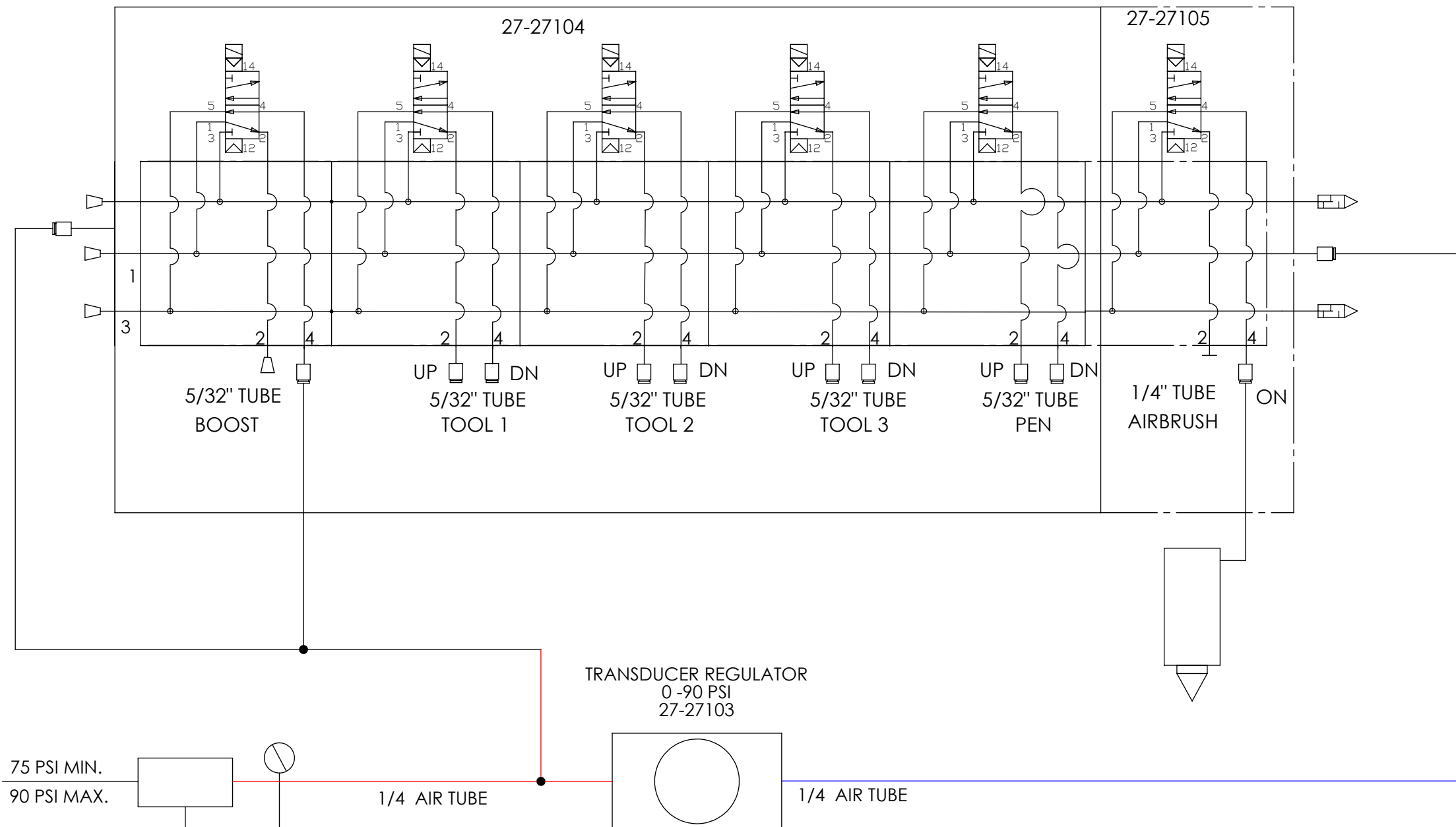
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C125 Pnuematics Diagram
Blue Print No. 31-9000-64
HD/Fiber Tool Head (2 of 7)

Eastman®

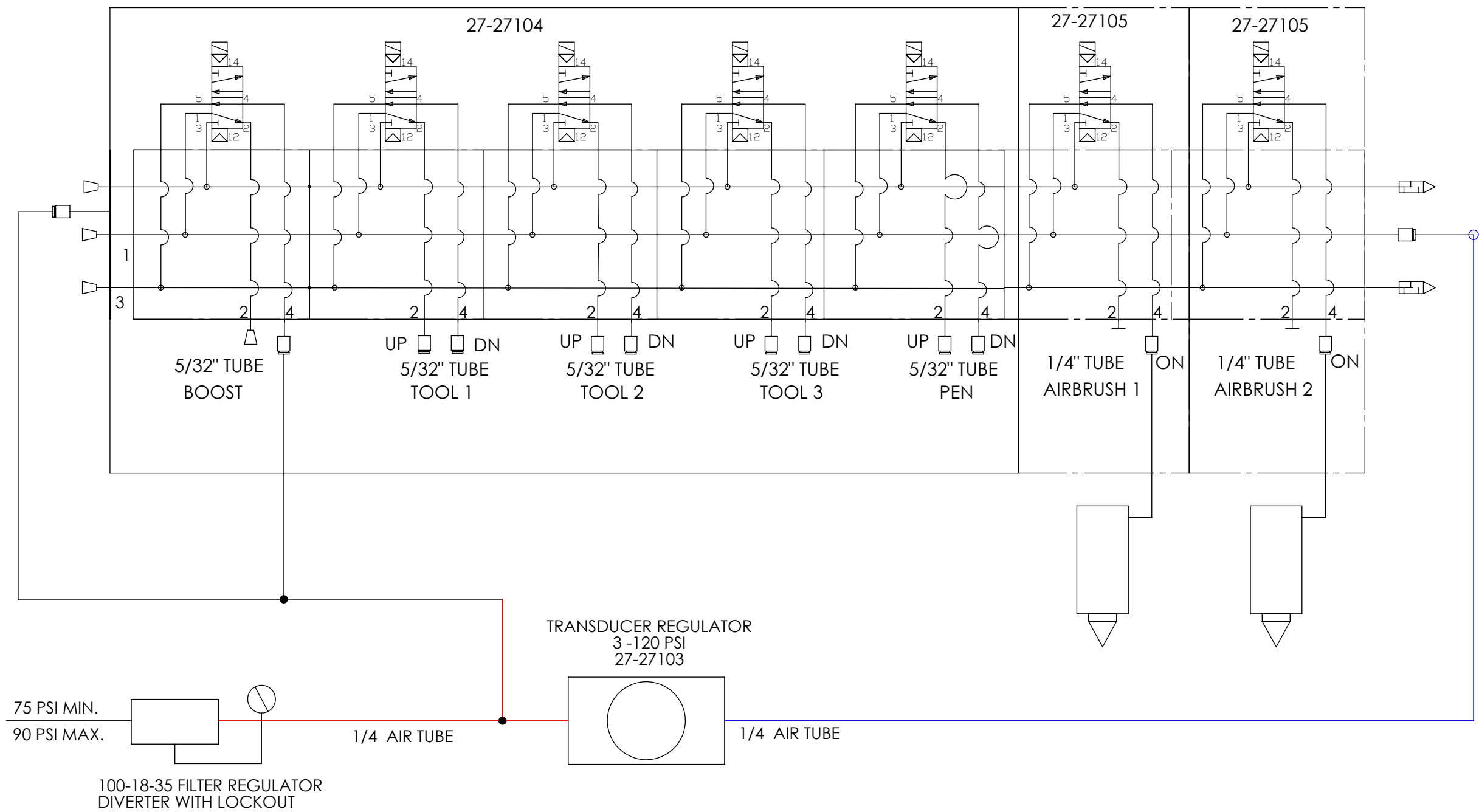
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C125 Pnuematics Diagram
Blue Print No. 31-9000-64
Air Brush (3 of 7)

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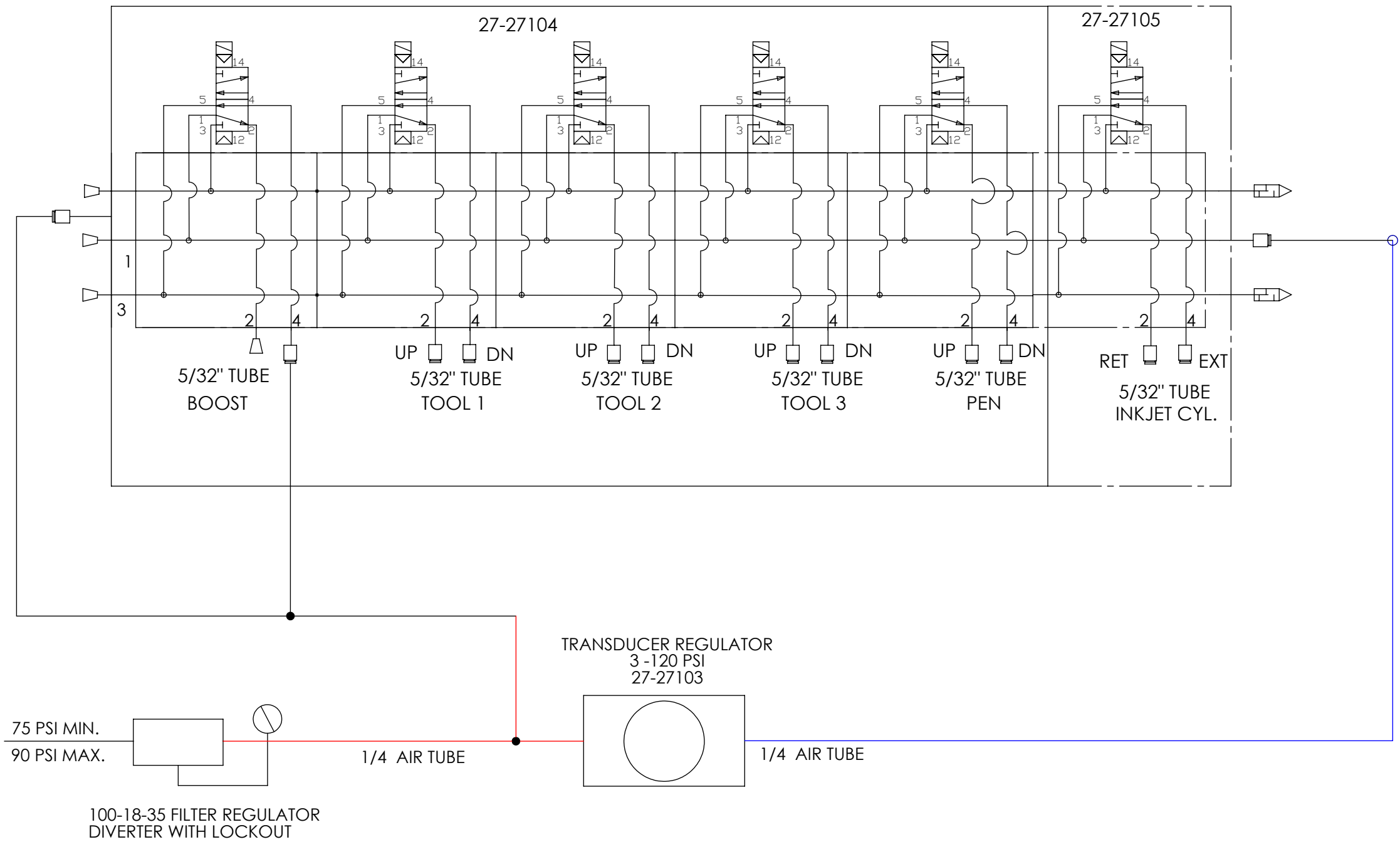
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C125 Pneumatics Diagram
Blue Print No. 31-9000-64
Dual Air Brush (4 of 7)

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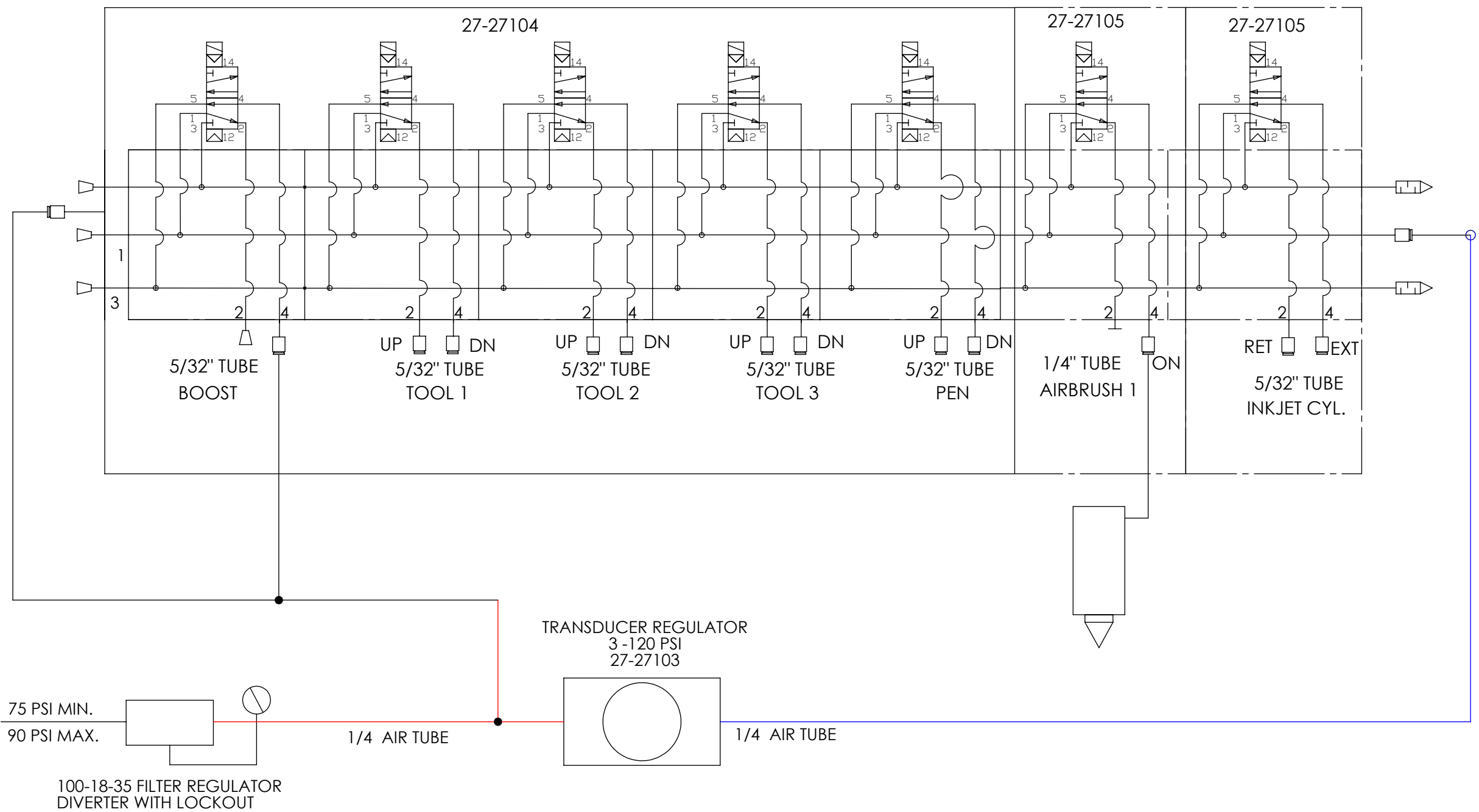
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C125 Pnuematics Diagram
Blue Print No. 31-9000-64
InkJet (6 of 7)

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C125 Pnuematics Diagram
Blue Print No. 31-9000-64
Inkjet and Air Brush (7 of 7)

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Machine Serial No.:_____

Machine Voltage: _____

Date of Purchase: _____

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TECHNICAL DATA

Eastman® Eagle C125

Eagle C125

Maximum Gantry Speed	60 in/sec (152 cm/sec)
Maximum Conveyor Speed	60 in/sec (152 cm/sec)
Cut Accuracy *	+/- 0.015" (+/- 0.04 mm)
Gantry Weight	230 lbs (105 kg)
Machine Voltage	220 V VAC, 50/60Hz
Blower Operating Voltage	220/440 VAC, 60Hz
Minimum Operating Pressure	75 psi
Volume of Air Service	5 SCFM (15 SCFM w/Airbrush)

Machine Size	Working Width	Table Width (including Rack and Rail)	Overall Machine Width
72" (183 cm)	70.6" (179 cm)	84" (213 cm)	105" (267 cm)
78" (198 cm)	76.6" (194 cm)	90" (229 cm)	111" (267 cm)
84" (213 cm)	82.6" (210 cm)	100-1/4" (255 cm)	111" (282 cm)
126" (320 cm)	124.6" (317 cm)	142-1/4" (362 cm)	153" (389 cm)
156" (396 cm)	154.6" (393 cm)	172-1/4" (483 cm)	183" (465 cm)

Limited Warranty. Eastman warrants to the buyer that the Eagle C125 shall be free from defects in materials or workmanship for a period of 180 days commencing on the date of invoice. Any goods or parts claimed by the buyer to be defective must be returned to Eastman, freight charges prepaid, within the 180-day warranty period. If Eastman determines that the goods or parts are defective in materials or workmanship, Eastman's sole obligation under this warranty shall be, at Eastman's sole option, to repair or replace the defective goods or parts or to provide the buyer a credit equal to the portion of the purchase price allocable to the defective goods or parts. This warranty shall not apply if defects are caused by product misuse or neglect, if the machine has been altered or modified by the buyer, or if other than genuine Eastman belts, emery wheels, knives or parts are used in the machine. THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THIS PURCHASE. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Limitation of Liability. Eastman's liability to the buyer, and the buyer's remedies from Eastman, whether in contract, negligence, tort, under any warranty or otherwise, shall be limited to the remedies provided in the foregoing Limited Warranty. In no event shall Eastman have any responsibility or liability to the buyer for (a) any special, indirect, incidental, or consequential damages, including, but not limited to, loss of use, revenue, or profit, even if Eastman has been advised of the possibility of such damages, or (b) any claim against the buyer by any third party. The price stated for the product sold is a consideration for limiting Eastman's liability.

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Manufacturers of Eastman Cloth Cutting and Cloth Spreading Machines

www.EastmanCuts.com