

3900 and Infoprint 4000



Wiring and Circuit Diagrams

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Preface

The following tables describes the characteristics of the printers included in this document.

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3900				
0W1	Simplex	Single Beam	240	229
0W1 with FC4290	Simplex	Two Beam Fixed Resoulution	240	310
0W3	Simplex	Single Beam	240	150
DW1/DW2	Duplex	Single Beam	240	150
DW1/DW2 with FC4253/4254	Duplex	Single Beam	240	229
DR1/DR2	Duplex	Four Beam	600	150
Infoprint 4000				
IS1	Simplex	Single Beam Two Beam Fixed Resolution Two Beam Switchable Resolution	240 240 240/300	229
IS2	Simplex	Two Beam Fixed Resolution	240	310
IS2 with FC4260	Simplex	Two Beam Switchable Resolution	240/300	324
ID1/ID2	Duplex	Single Beam Two Beam Fixed Resolution Two Beam Switchable Resolution	240 240 240/300	229
ID1/ID2 with FC4380	Duplex	Single Beam Two Beam Fixed Resolution Two Beam Switchable Resolution	240 240 240/300	229
ID3/ID4	Duplex	Two Beam Switchable Resolution	240/300	324

Model	Simplex or Duplex	Printhead	DPI	Speed
IR1/IR2	Duplex	Four Beam Switchable Resolution	480/600	150
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Wiring Diagrams

Wiring Diagrams - Introduction

The primary purpose of this section is to support the MAPs by providing a way to locate, service, and troubleshoot the electronics portion of the printer.

The family of printers includes both simplex and duplex systems. A note will appear in the when a circuit is unique for different printer types. Circuits unique to simplex printers will have the note SIMPLEX. The note DUPLEX PRINTER 1 will be used for the first printer in the duplex system. The note DUPLEX PRINTER 2 will be used for the second printer in the duplex system.

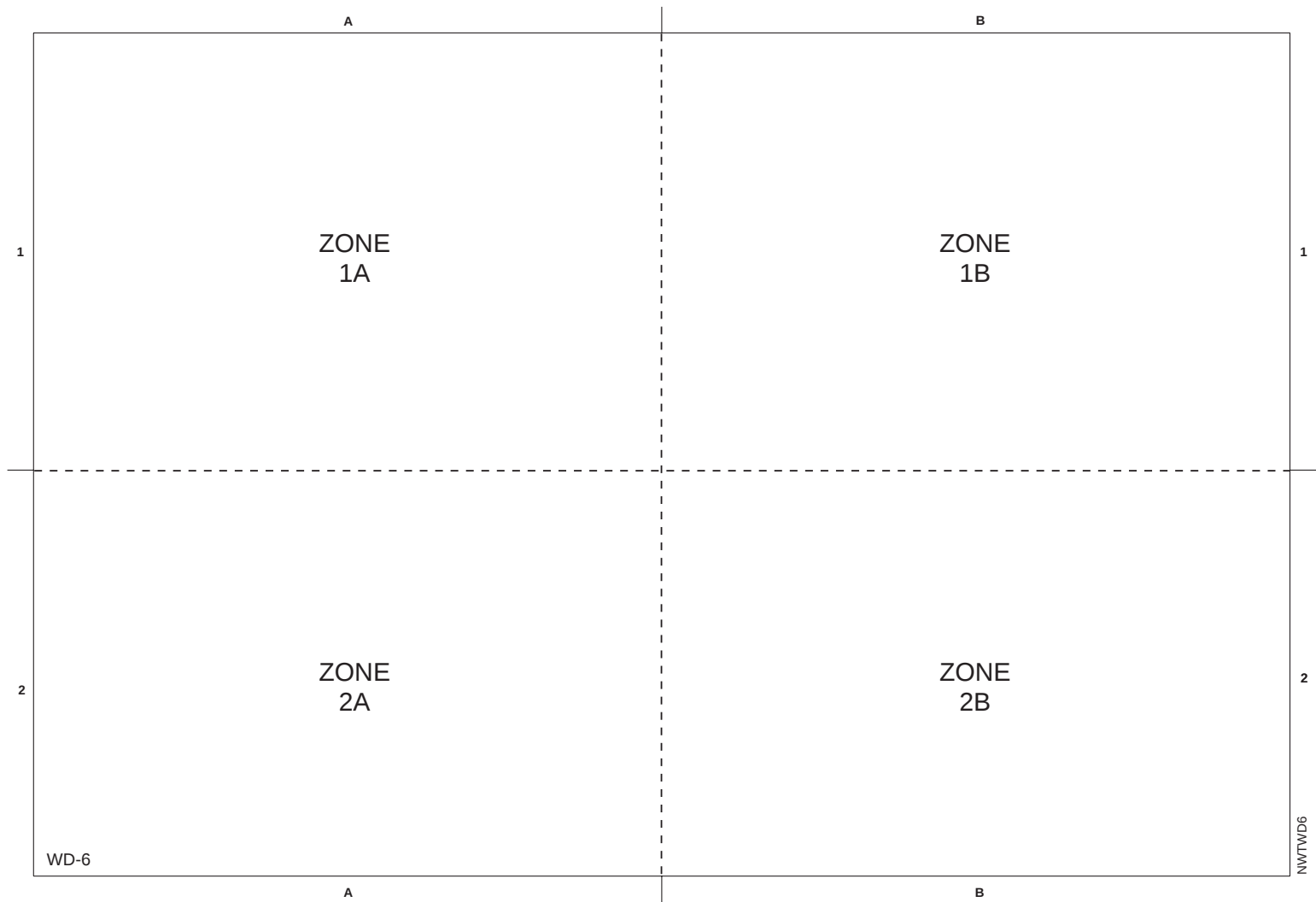
In addition, some circuits are unique for specific features.

TheWiring Diagrams are divided into three sections as follows:

- 1. Safety Ground Path Schematics
- 2. Electrical Wiring Diagrams - AC Circuits
- 3. Electrical Wiring Diagrams - DC Circuits and Channel Attach Electronics

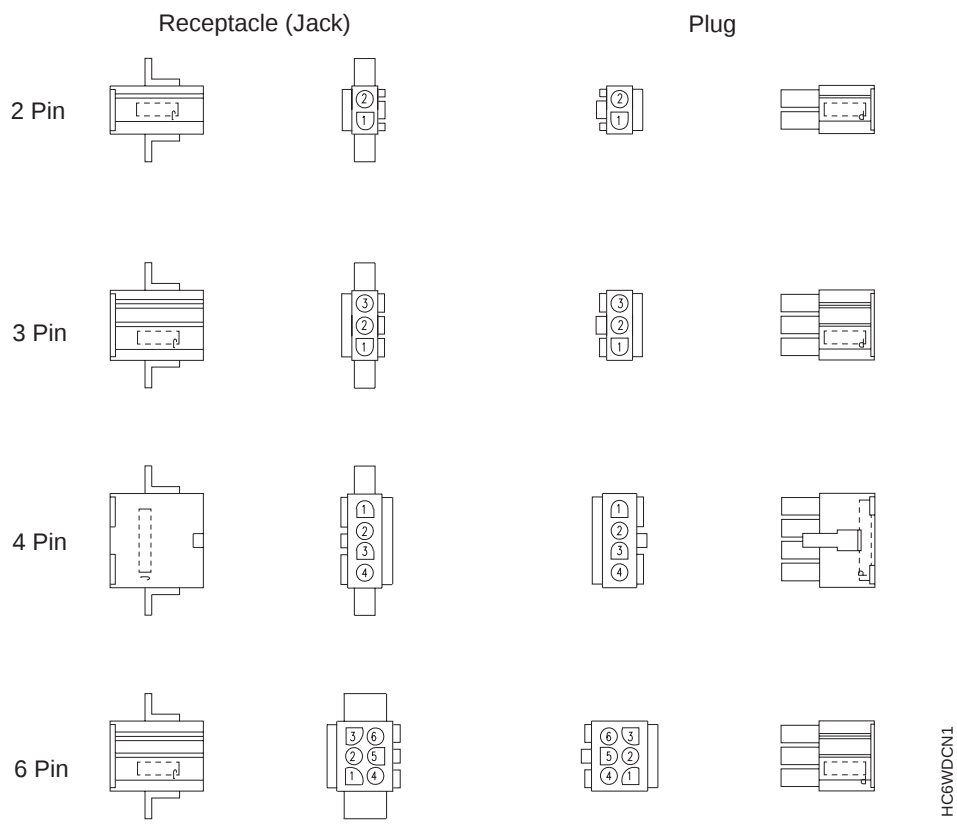
An example of the Wiring Diagrams zoning scheme is described on the next page.

Zoning Grid

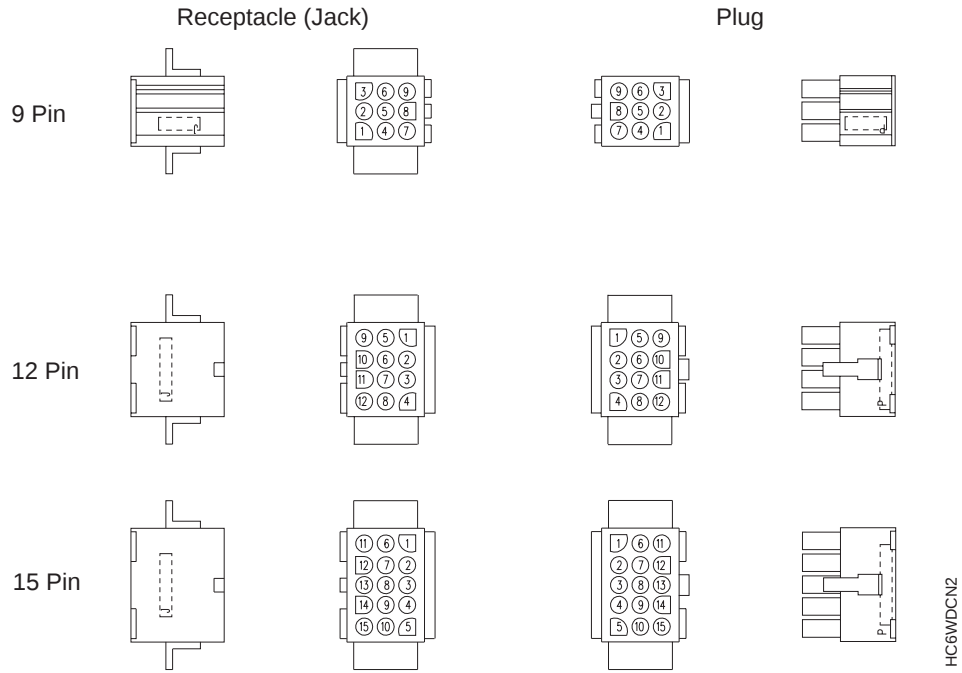


Connector Layouts

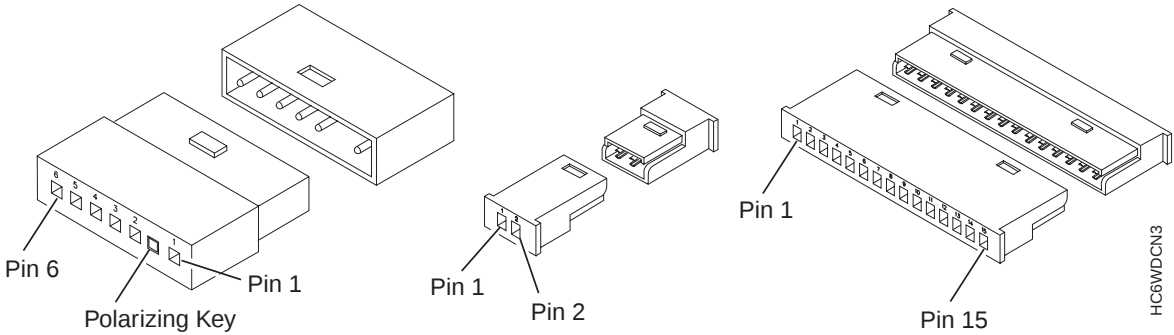
MATE-N-LOCK Connectors:

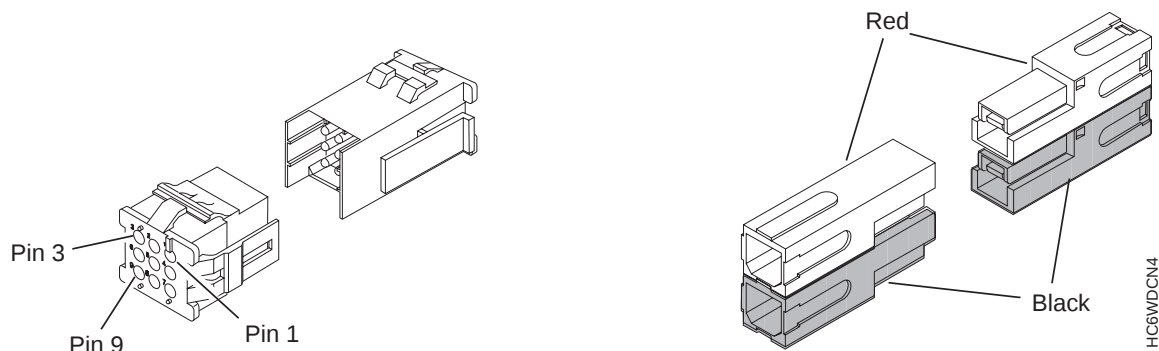


MATE-N-LOCK Connectors (cont'd):

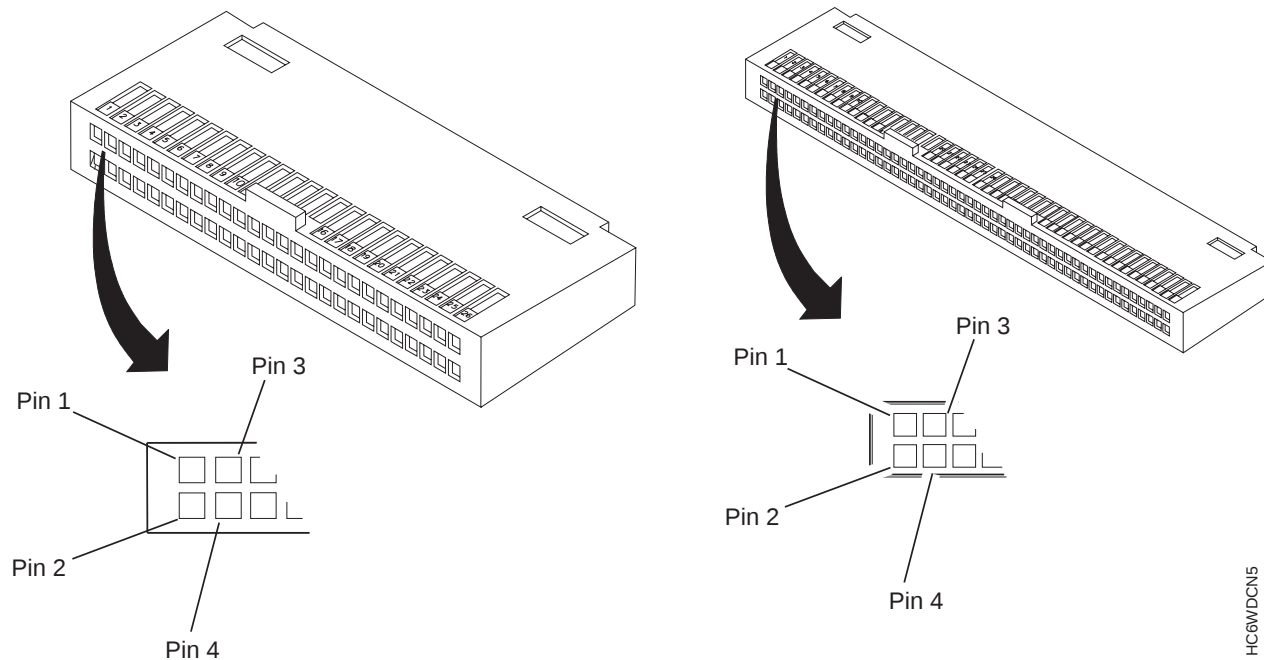


ELCO, AMP and Polarized Connectors:



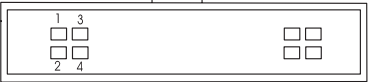


ELCO, AMP and Polarized Connectors (cont'd):

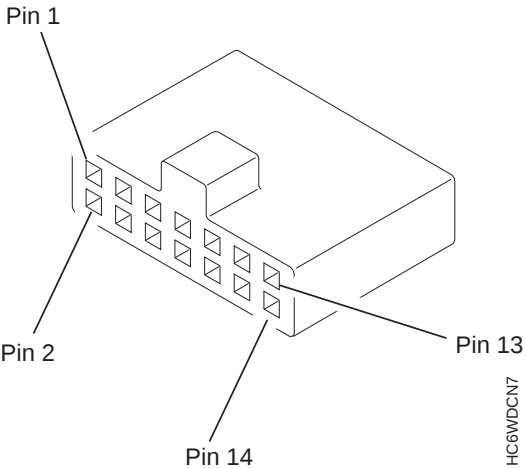
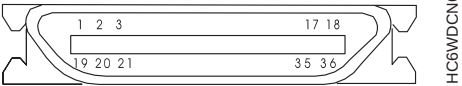


ELCO, AMP and Polarized Connectors (cont'd):

CD4 Pin Side



P229 Contact Side



Safety Ground Path Schematics



DANGER

<10> Voltage may be present. Disconnect line cord before attempting the removal or replacement of any components or while checking continuity. Reinstall all grounds before attaching line cord.

Table 1. Safety Grounds (Front View)

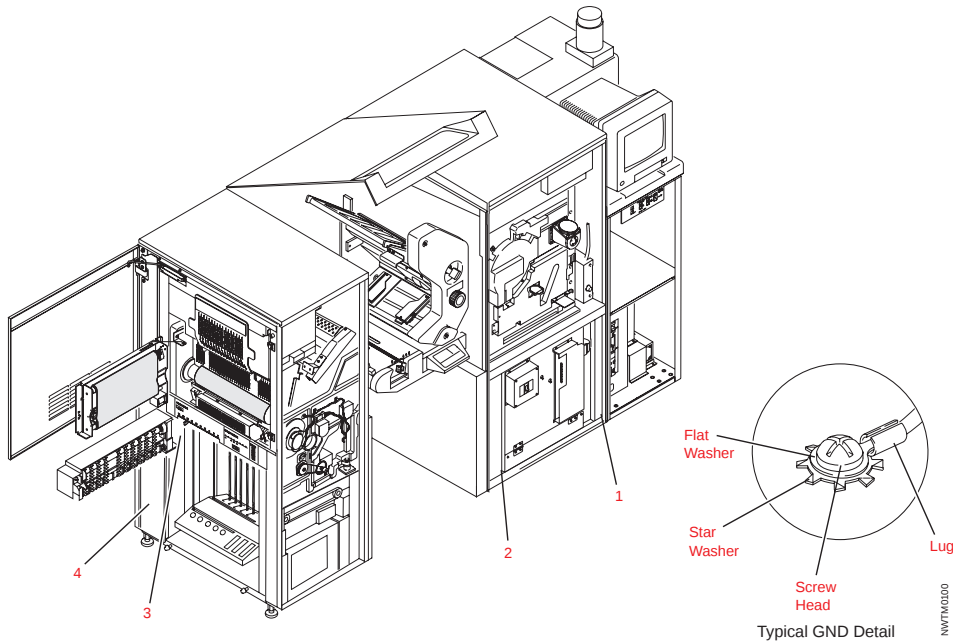
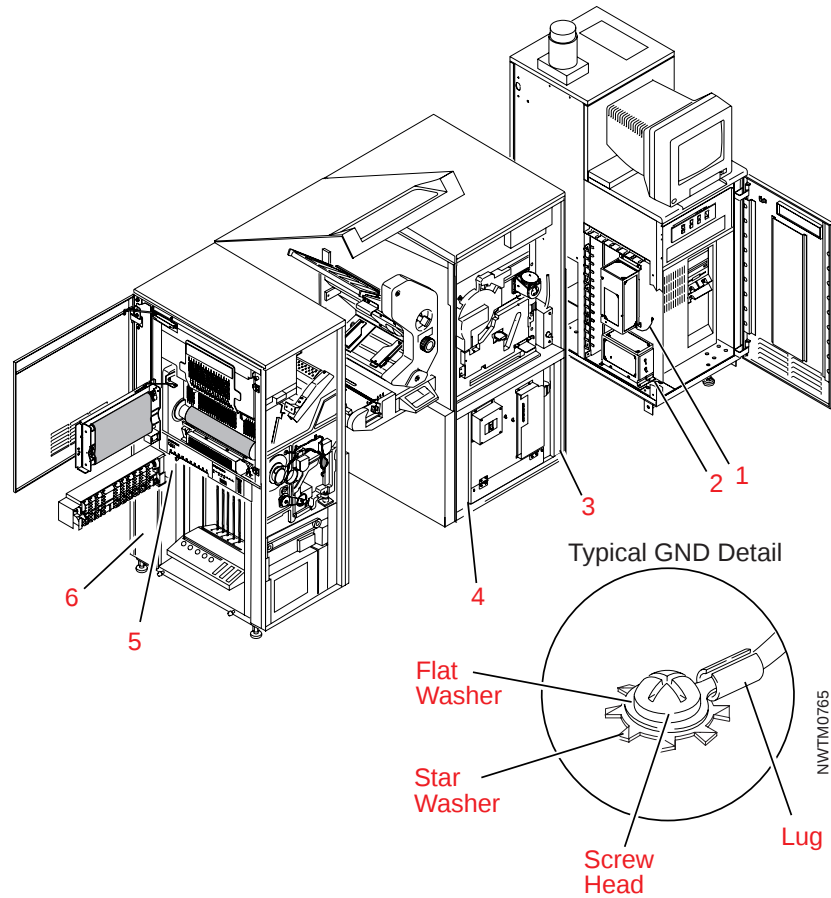
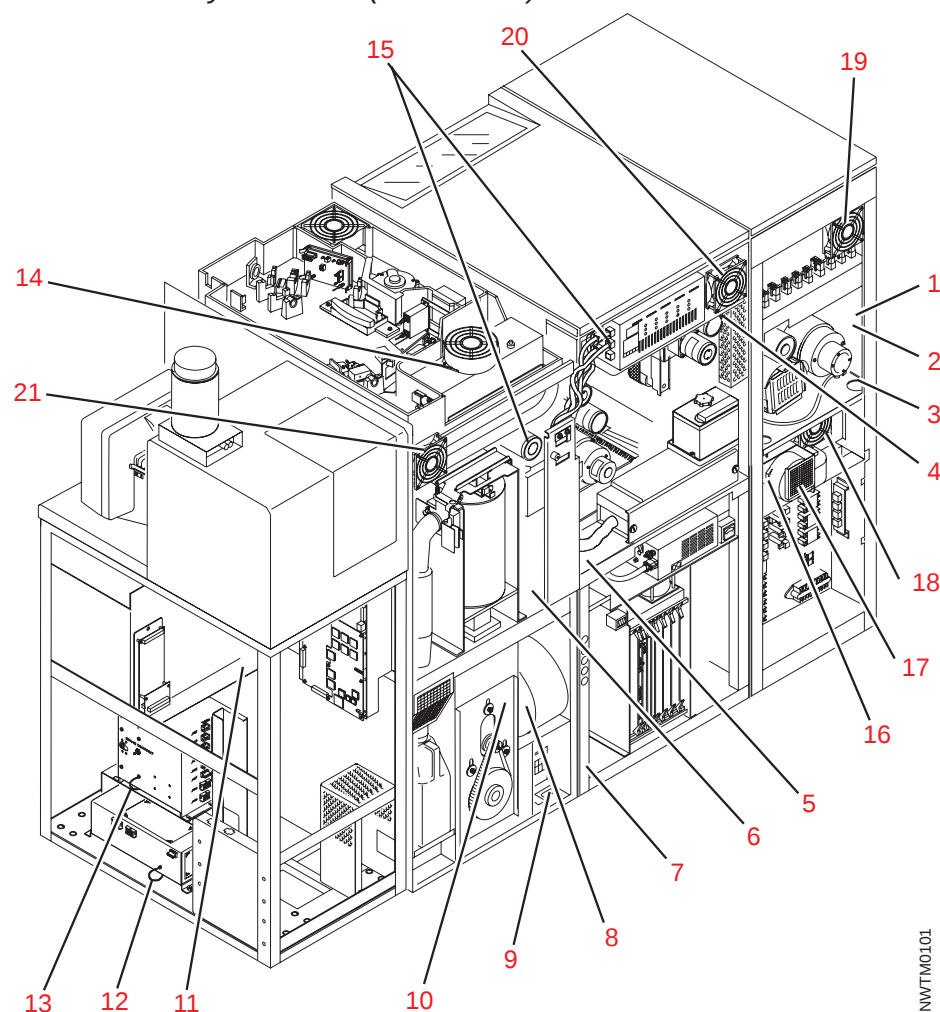


Table 2. Safety Grounds (Front View, Infoprint 4000)



- (1) Low Voltage Power Supply to Control Unit Frame
- (2) AC Control Box to Control Unit Frame
- (3) Control Unit Frame to Printer Frame
- (4) AC Box to Frame
- (5) Stacker Gate to Frame
- (6) Stacker to Frame

Table 3. Safety Grounds (Rear View)



- (1) Rear Fuser Fan to Frame
- (2) Pre-Heat Platen Heat Elements to Frame
- (3) Fuser Casting to Frame
- (4) Pre-Heat Platen to Fuser Casting
Bridge Assembly to Fuser Casting
- (5) Transfer Casting to Frame
- (6) Fine Filter Case to Frame
Process Casting to Frame
- (7) Laser Power Supply to Frame
Logic Cage to Frame
Logic Cage Fans to Frame
Logic Board to Frame
- (8) Vacuum Blower to Frame
- (9) Frame to Customer Ground via AC Power Cord
- (10) Cyclone Blower to Frame
- (11) Control Unit Frame to Printer Frame
- (12) Low Voltage Power Supply to Control Unit Frame
- (13) AC Control Box to Control Unit Frame
- (14) Laser Gun Cooling Fan to Frame
- (15) High Voltage Power Supply to Process Casting

NW/TM0101

AC Circuits

AC Input / Output Tables

AC Input:

Table 4. AC Input

Input Voltage (VAC)	Frequency	Phase/Wire
200/208/220 230/240	50/60 HZ	3 Phase - Ground
380/400/415	50 HZ	3 Phase - Neutral - Ground

AC Output:

Table 5. AC Output

Voltage (VAC)	Phase	Ampere	Terminal	Name	Purpose
200-240	3	35 (21)	TB502	FAC	Fuser
200-240	1	3.5 @ 208V	J531	VC	CE for PC
200-240	1	8 @ 208V		CU	Controller
200	3	2.5	J532	CBM	3 Phase Motor
200	1	2		P/F	1 Phase Motors
200	1	1.5		IPF	1 Phase Fans
200	3	0.8		3PS	3 Phase (Spare)
200	3	2	J533	3PM	3 Phase Motors
200	1	1		1PM	1 Phase Motors
115	1	20	J534	LC	Laser Power Supply

Note: Entries within () are for 400V input.

AC / DC Power Tables

DC Output:

Table 6. DC Output

DC Output	Ampere	Voltage		Over Current Protection	Purpose	Unit Name
		Min	Max			
+5V	25	4.3	5.75	27A	Logics	DC Unit 2
+12V	0.2	8.4	15.6	0.24A	OP AMP	
-12V	0.2	8.4	15.6	0.24A	OP AMP	
+24VH	3	16.8	31.2	3.3A	High Voltage PS	
+24VD	13	16.8	31.2	17A	Motor Relay	
+24VB	1	16.8	31.2	1.5A	Driver Cards	
+24VE	1	16.8	31.2	1.5A	Thermal System	
+42V	18	29.4	54.6	30A	Motor	DC Unit 1
+260VM	1	182	312	1.3A	Mirror Motor	
+12VM	0.15	8.4	15.6	0.18A	Mirror Mtr Transistor	
+5VM	0.8	4.3	5.75	1.0A	Mirror Mtr Logics	
12VS	0.3	11.0	13.0	1.0A	Power Sequence	SR081

AC Current Protection:

Table 7. AC Current Protection

DC Output	Over Current Protection	Component
CB501	60A (40A)	EPO
CB503	30A (20A)	Logic
CB504	0.5A	Sequencer

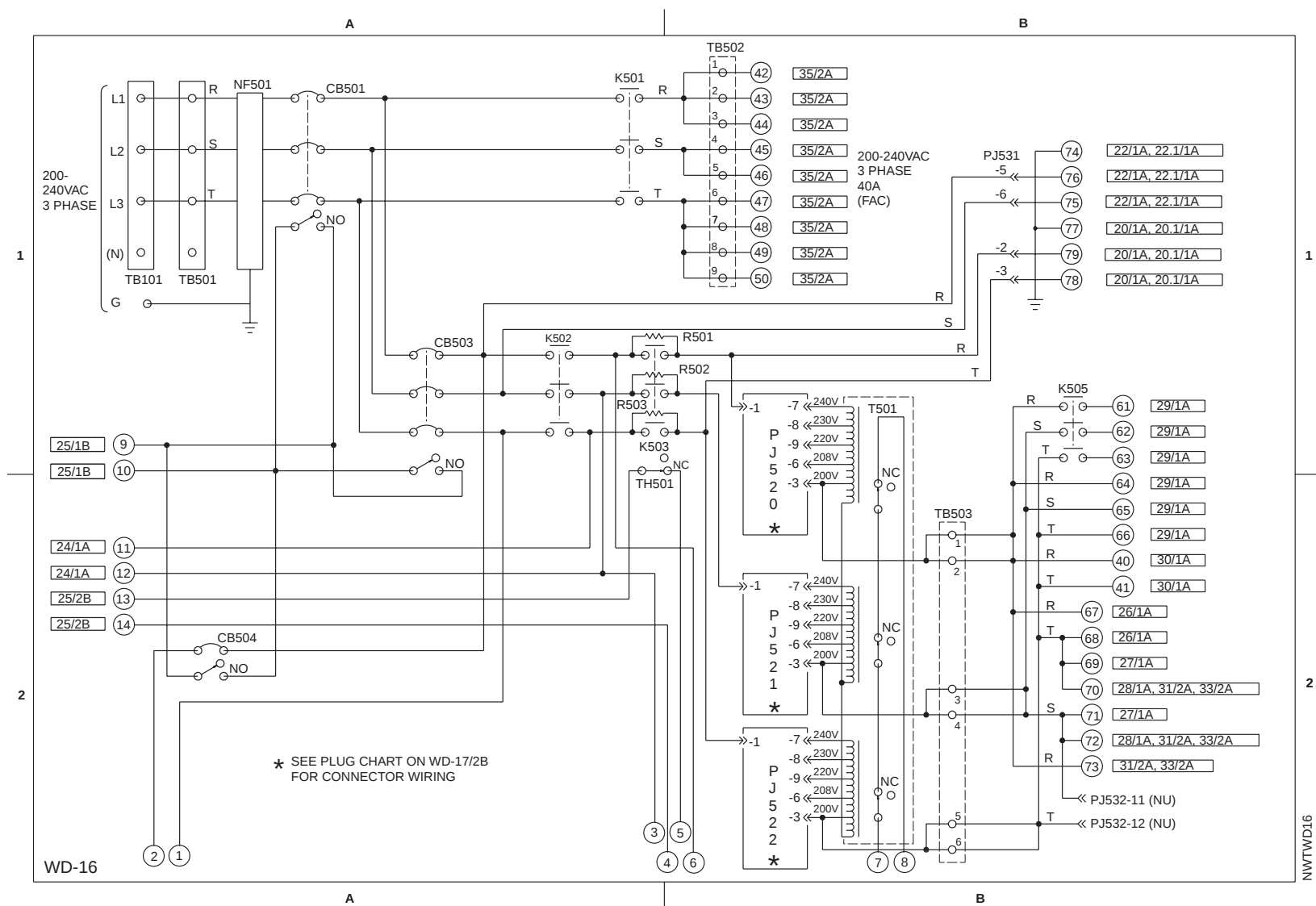
Note: Entries within () are for 400V input.

Over Temperature Protection:

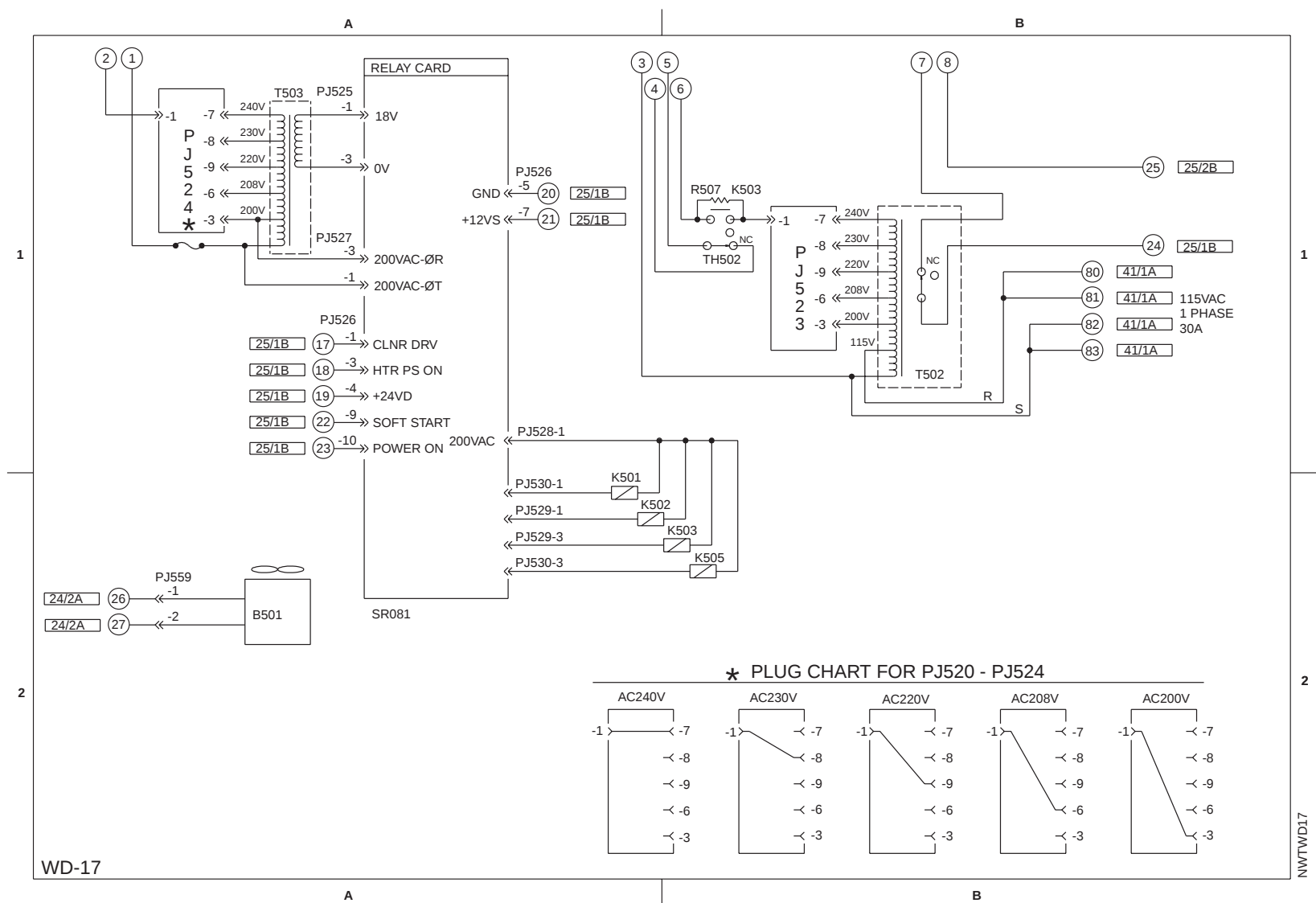
Table 8. Over Temperature Protection

Marking	Component	Temp	Component
TH501	Thermal Switch	70°C	Soft Start Resistor
TH502	Thermal Switch	70°C	
T501	Thermal Switch	135°C	Transformer
T502	Thermal Switch	135°C	

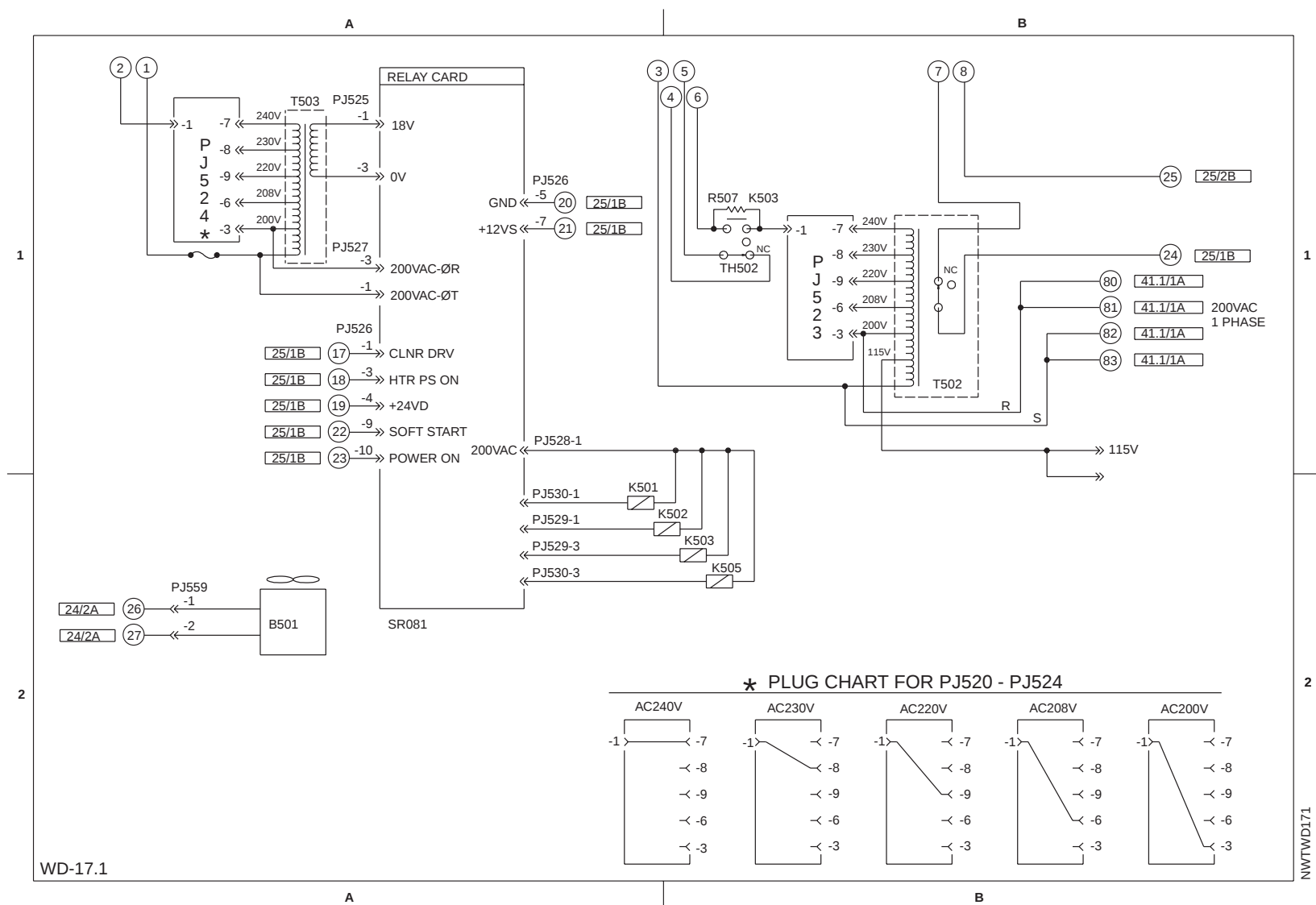
WD16 - Printer AC Power Supply - (200/208/220/230/240V)



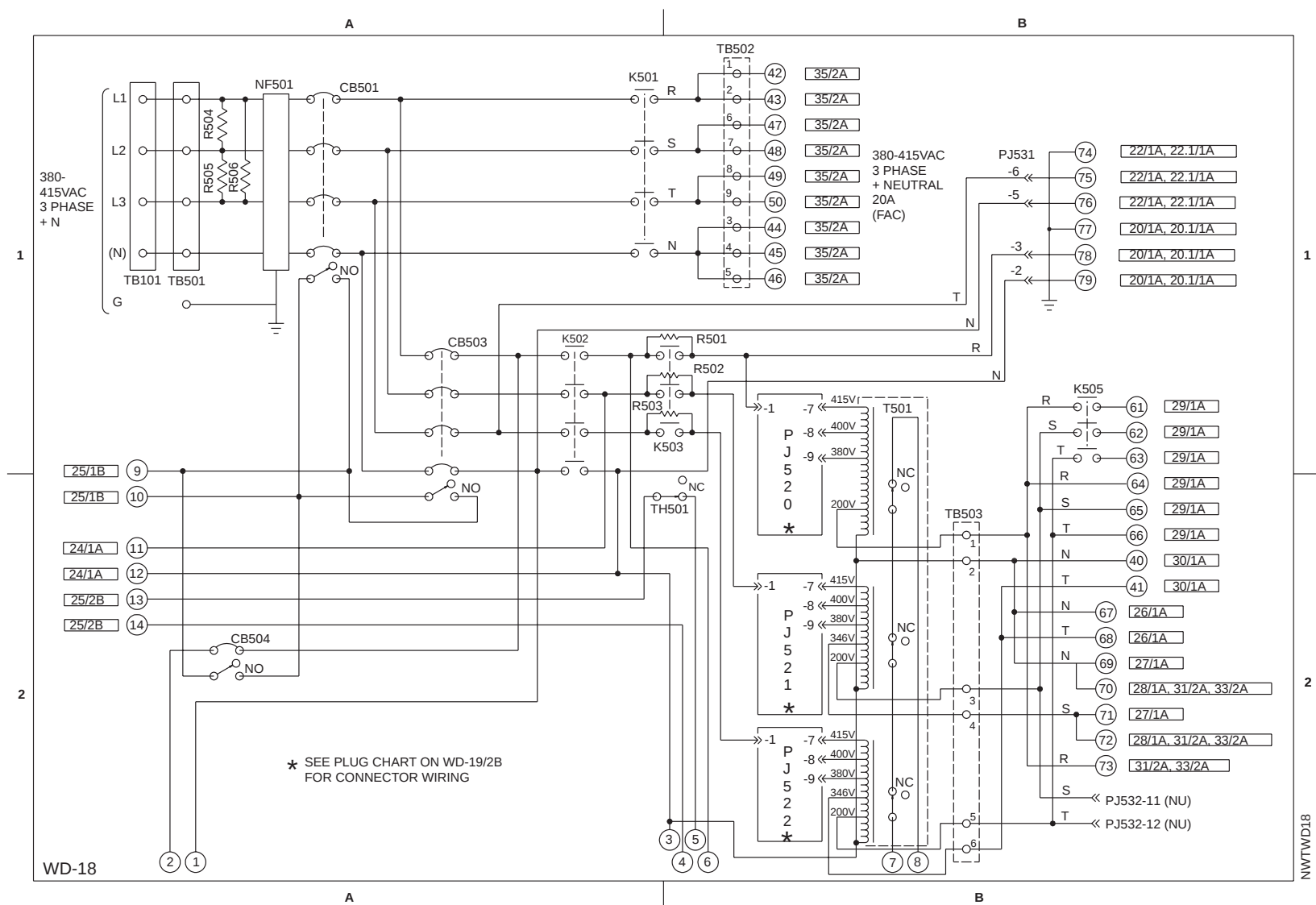
WD17 - Printer AC Power Supply - (200/208/220/230/240V) (except 324 PPM)



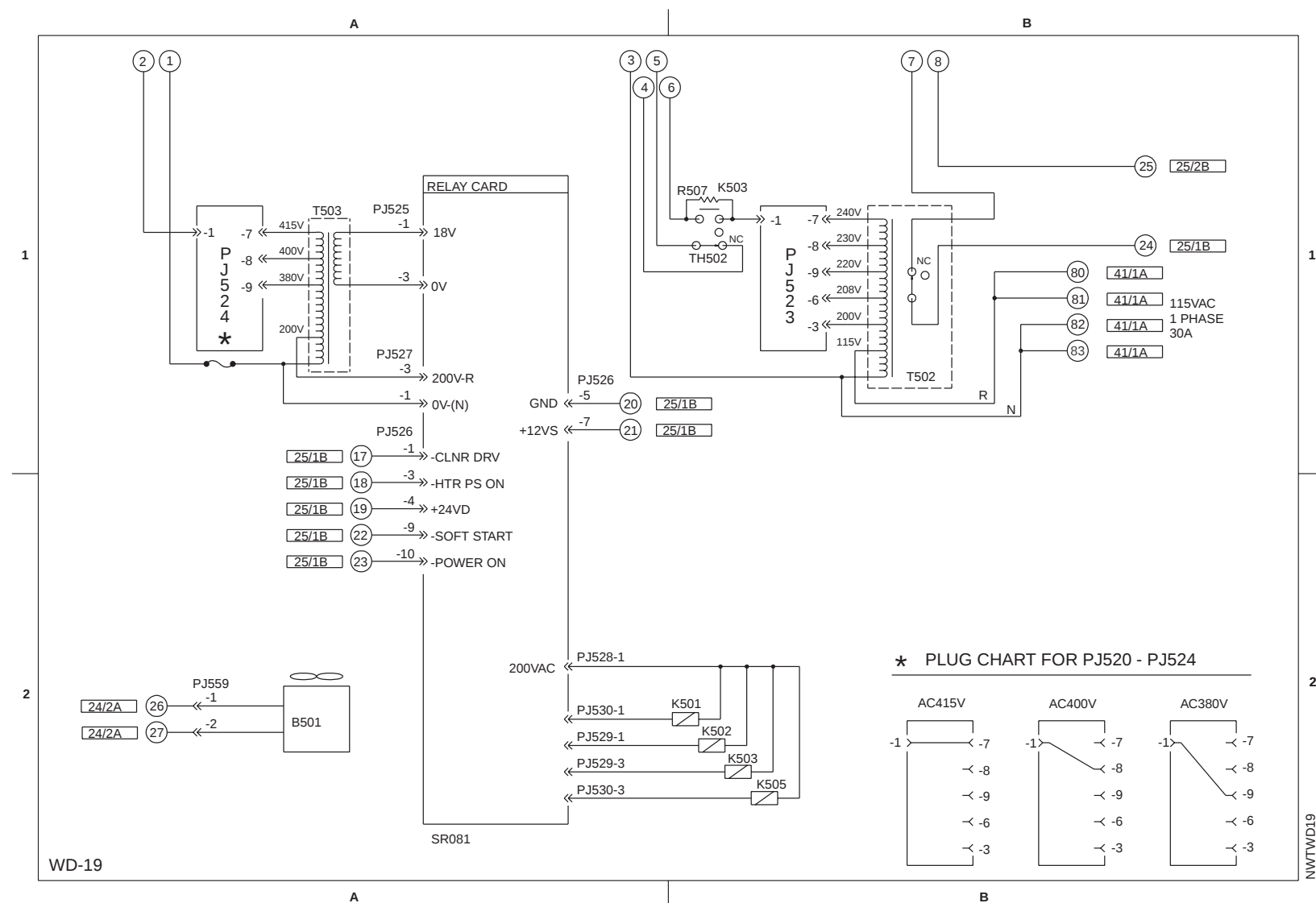
WD17.1 - Printer AC Power Supply - (200/208/220/230/240V) (324 PPM)



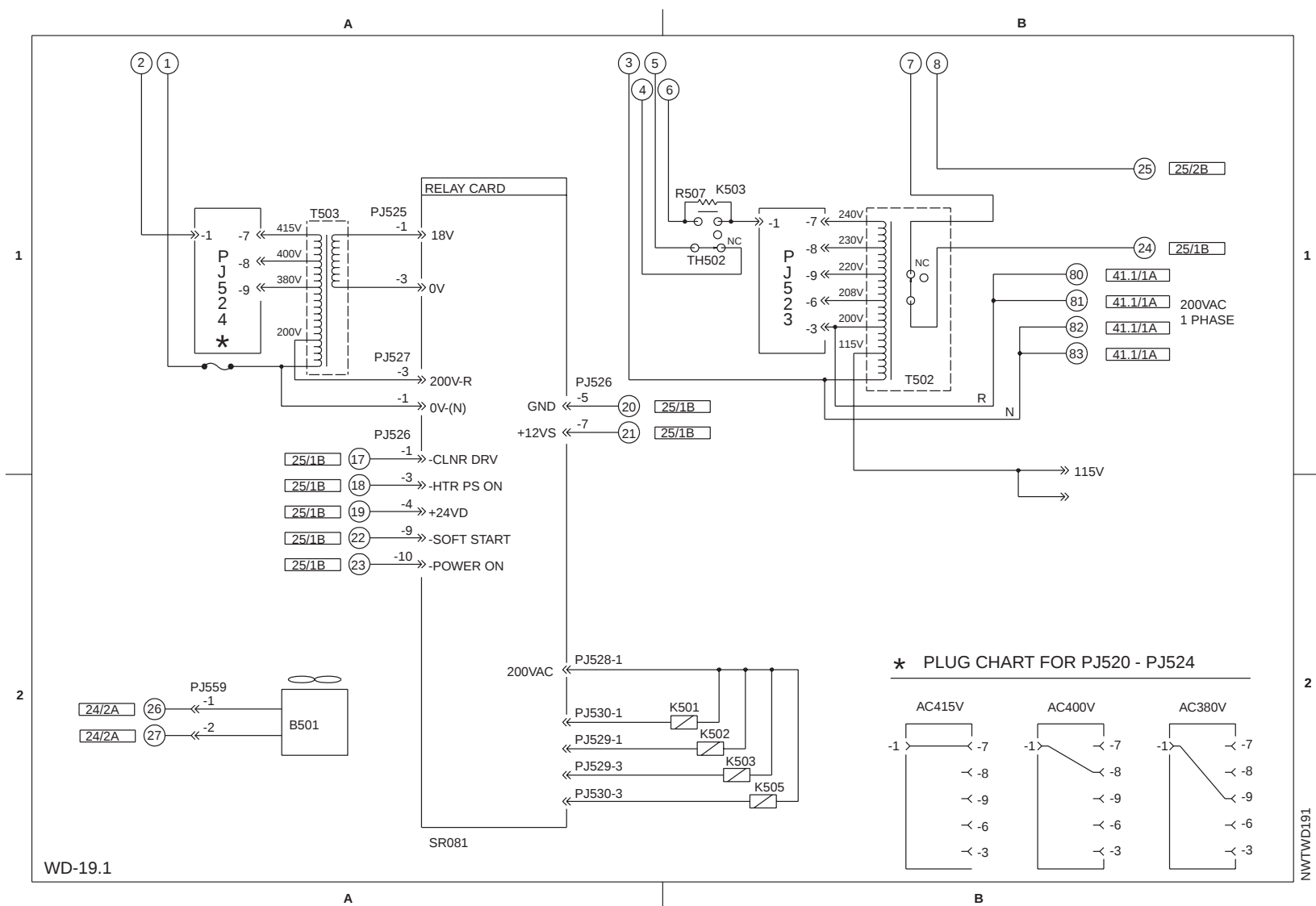
WD18 - Printer AC Power Supply - (380/400/415V)



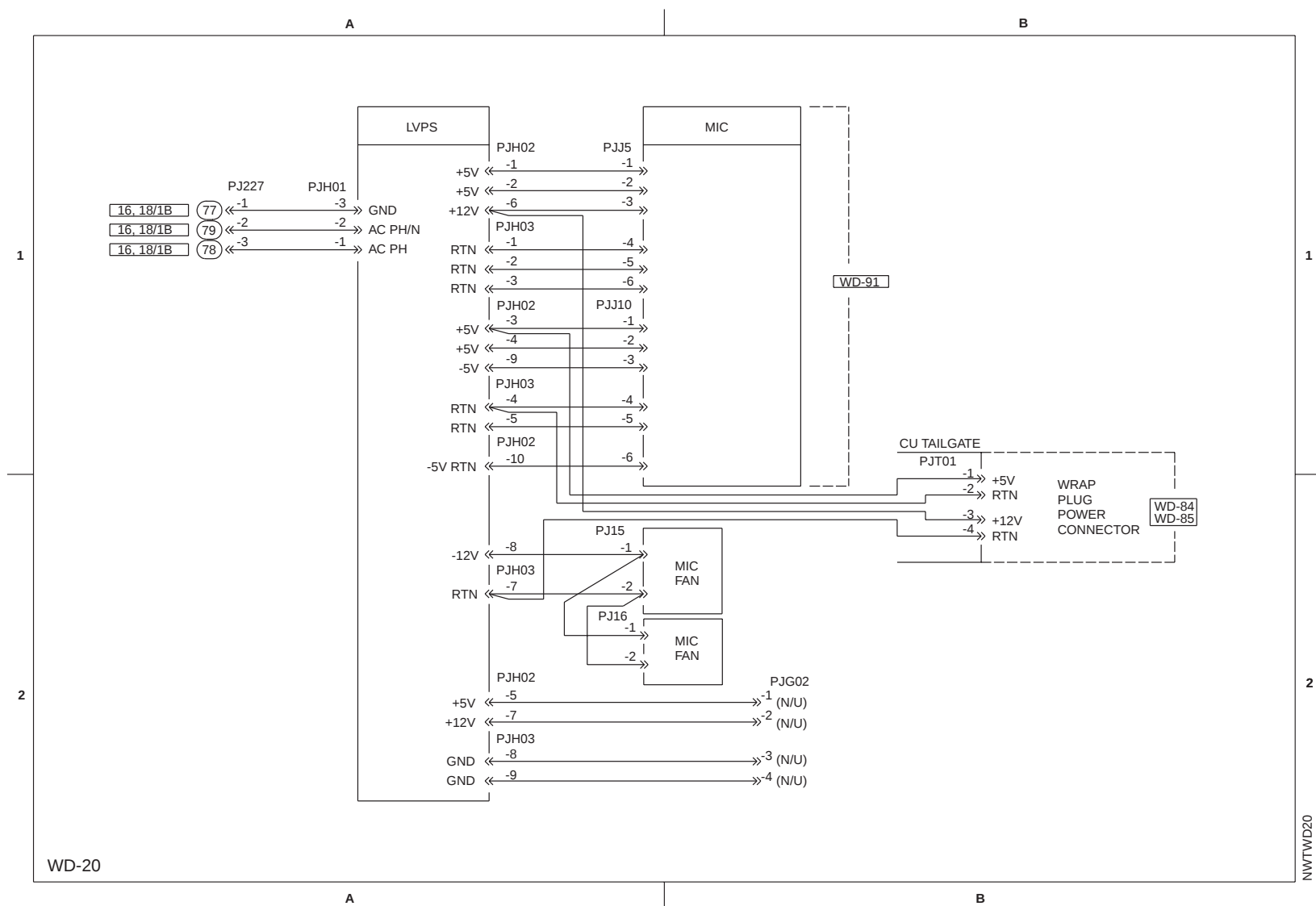
WD19 - Printer AC Power Supply - (380/400/415V) (except 324 PPM)



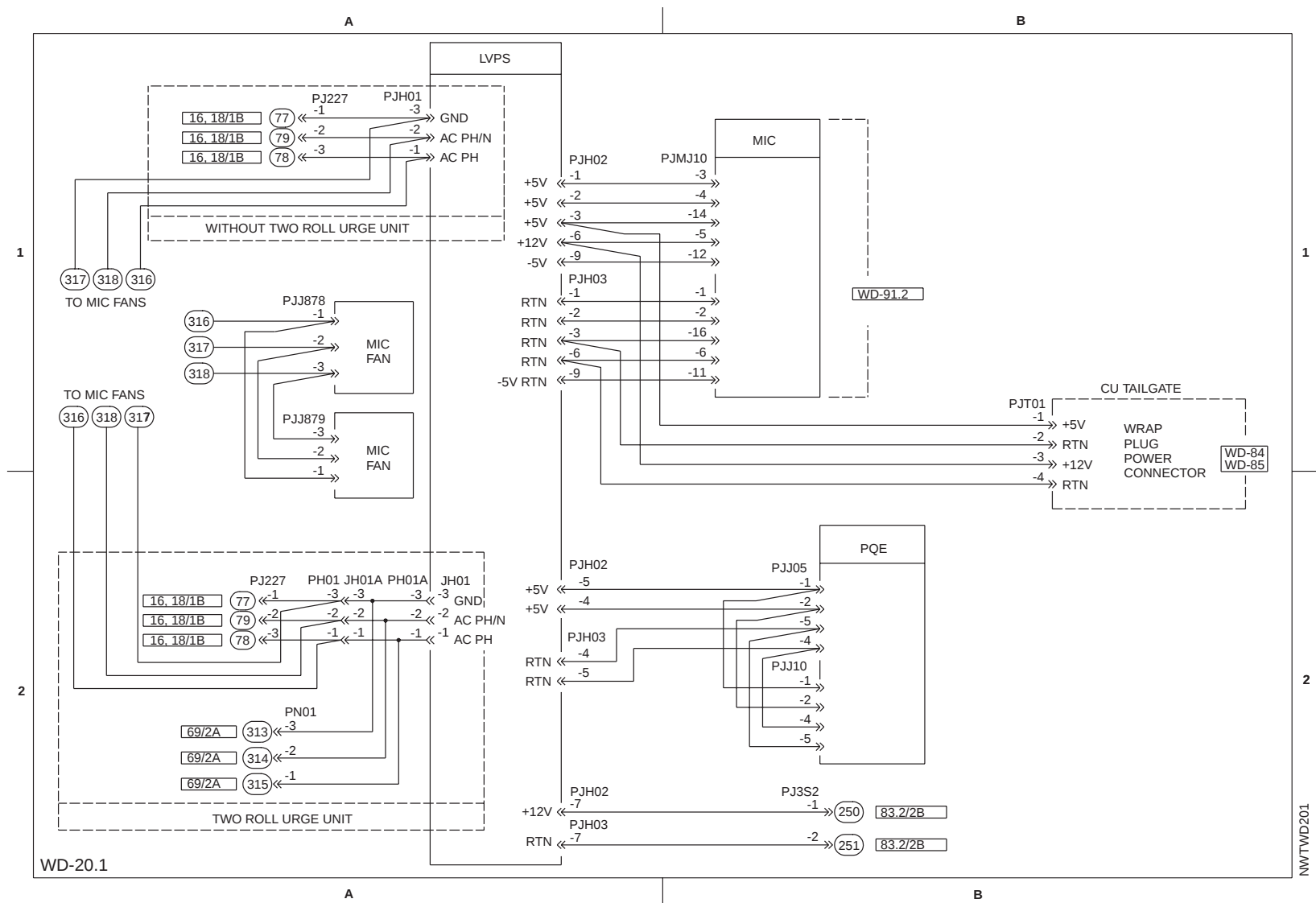
WD19.1 - Printer AC Power Supply - (380/400/415V) (324 PPM)



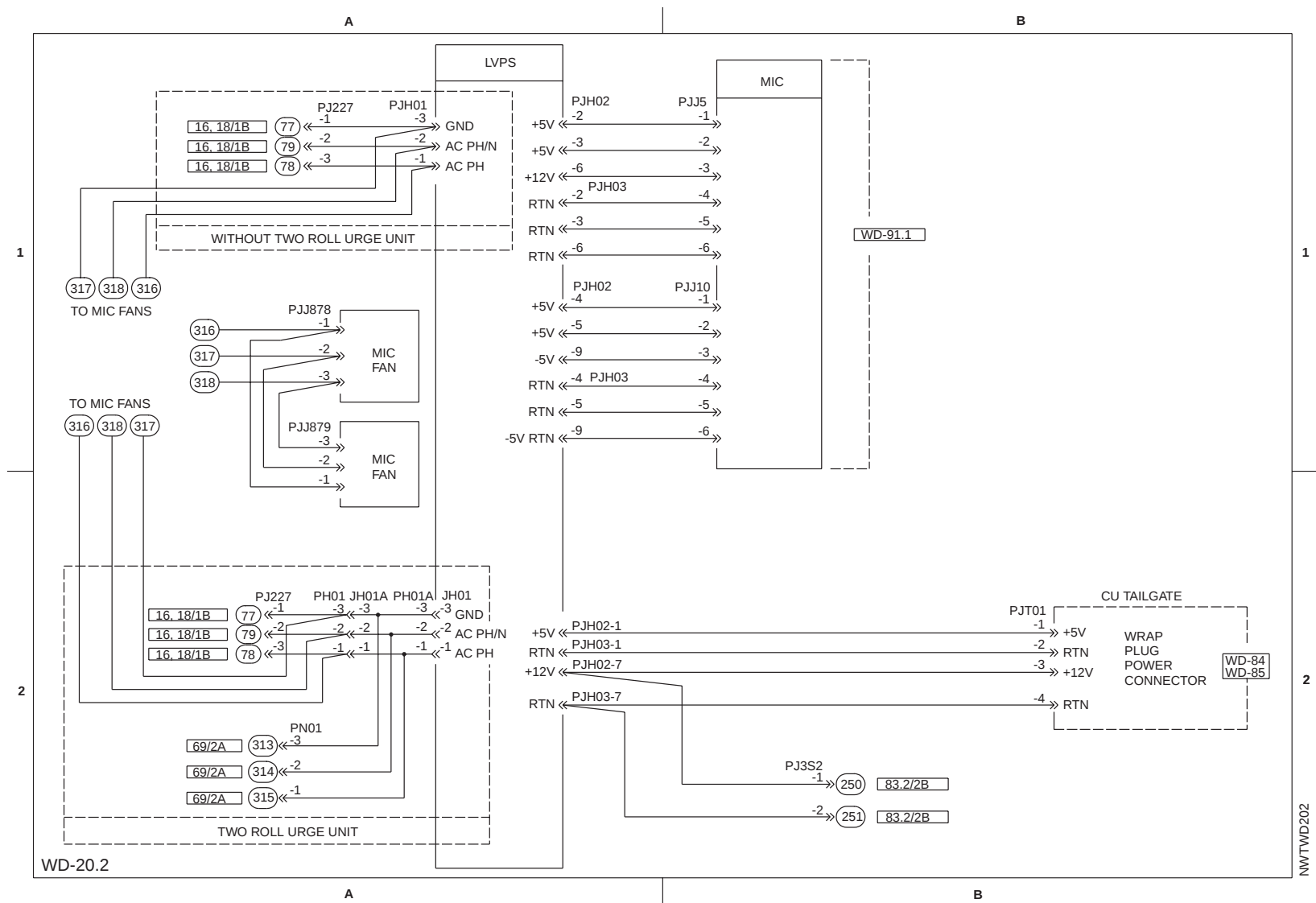
WD20 - Low Voltage Power Supply (LVPS), and MIC Fan (3900 0Wx & DWx Models)



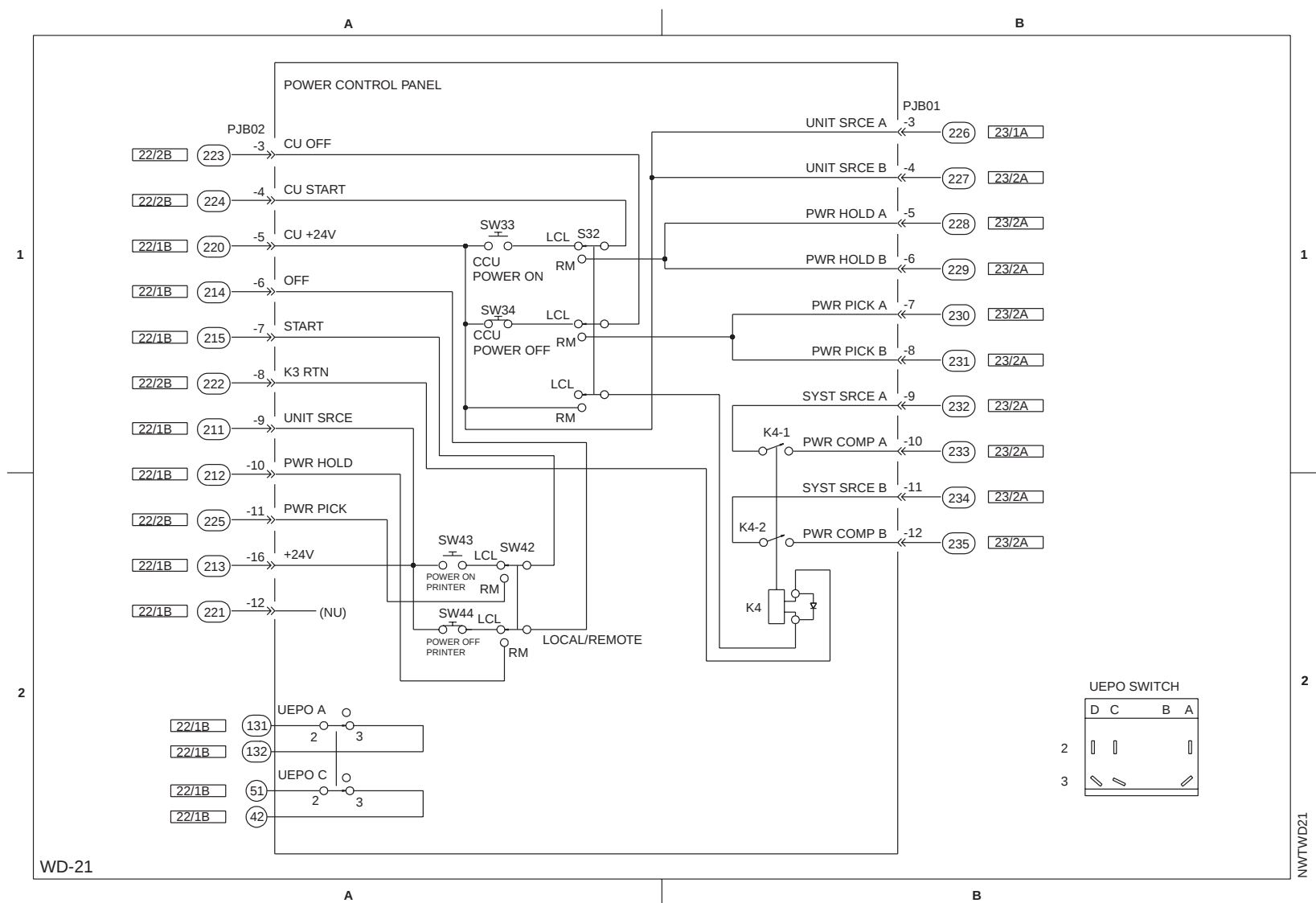
WD20.1 - Low Voltage Power Supply (LVPS), MIC, PQE, and Fans (3900 Model DR1/2 & Infoprint 4000 IRx Models)



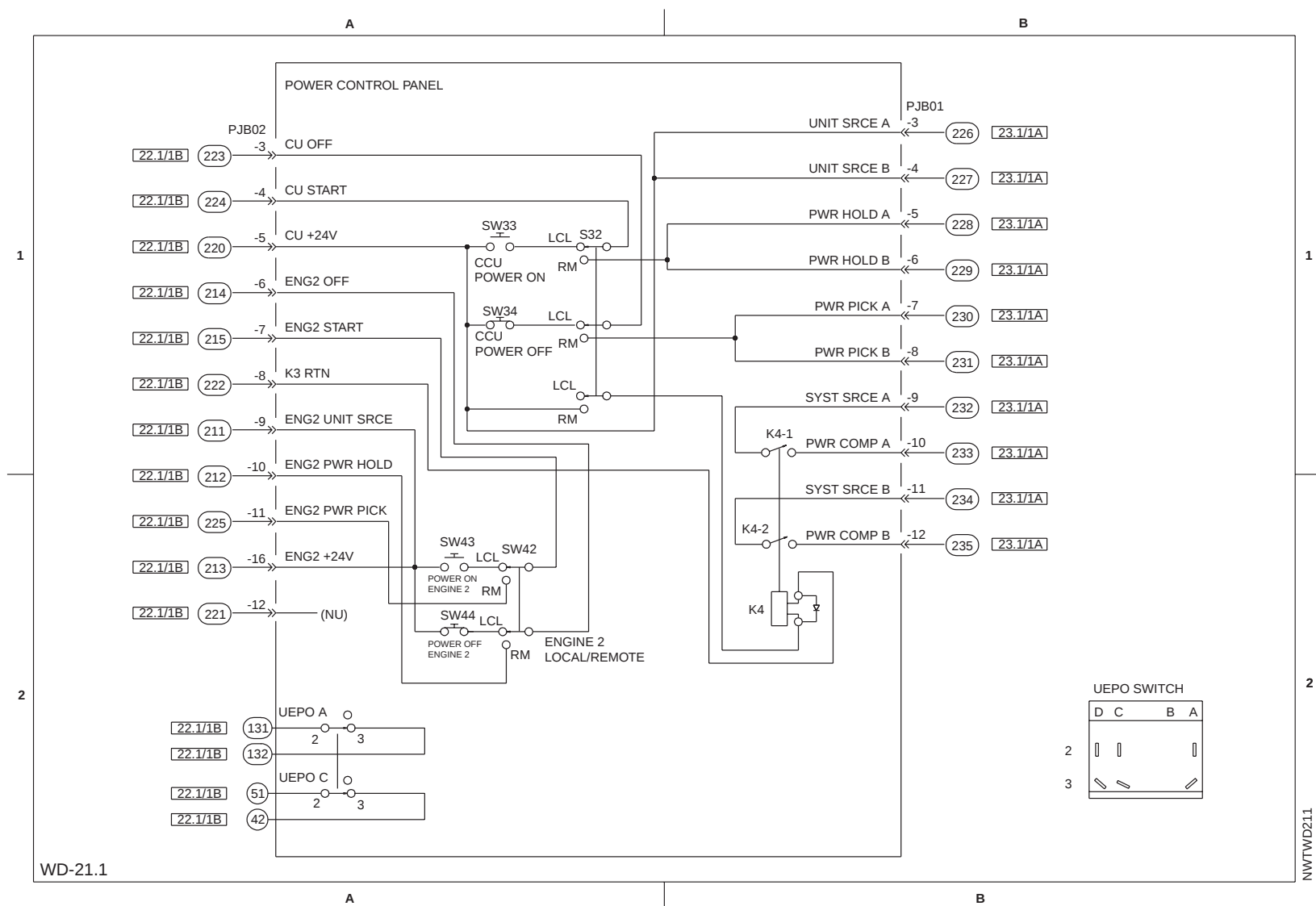
WD20.2 - Low Voltage Power Supply (LVPS), MIC, PQE, and Fans (Infoprint 4000 ISx & IDx Models)



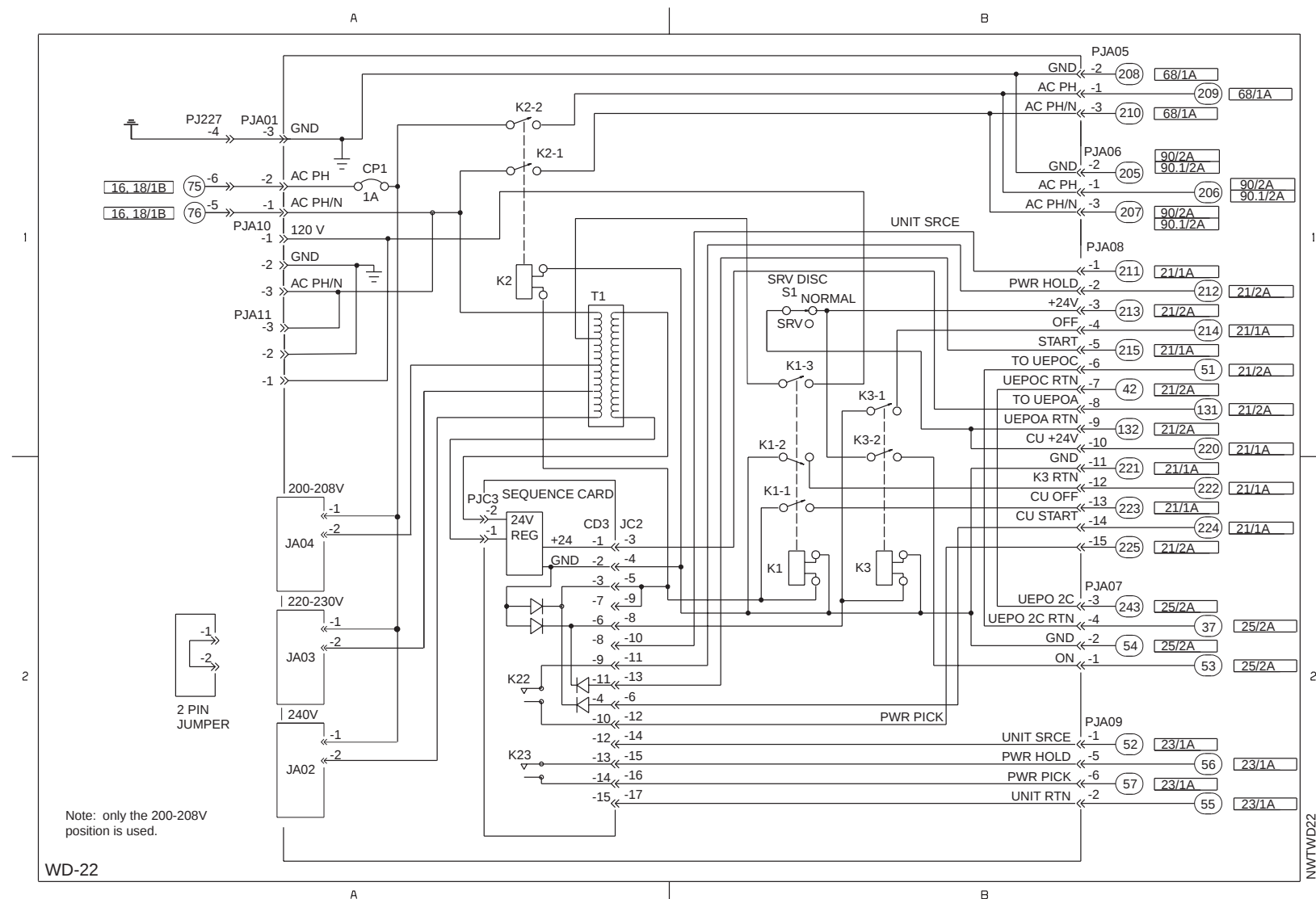
WD21 - Control Unit AC Power Control (Simplex)



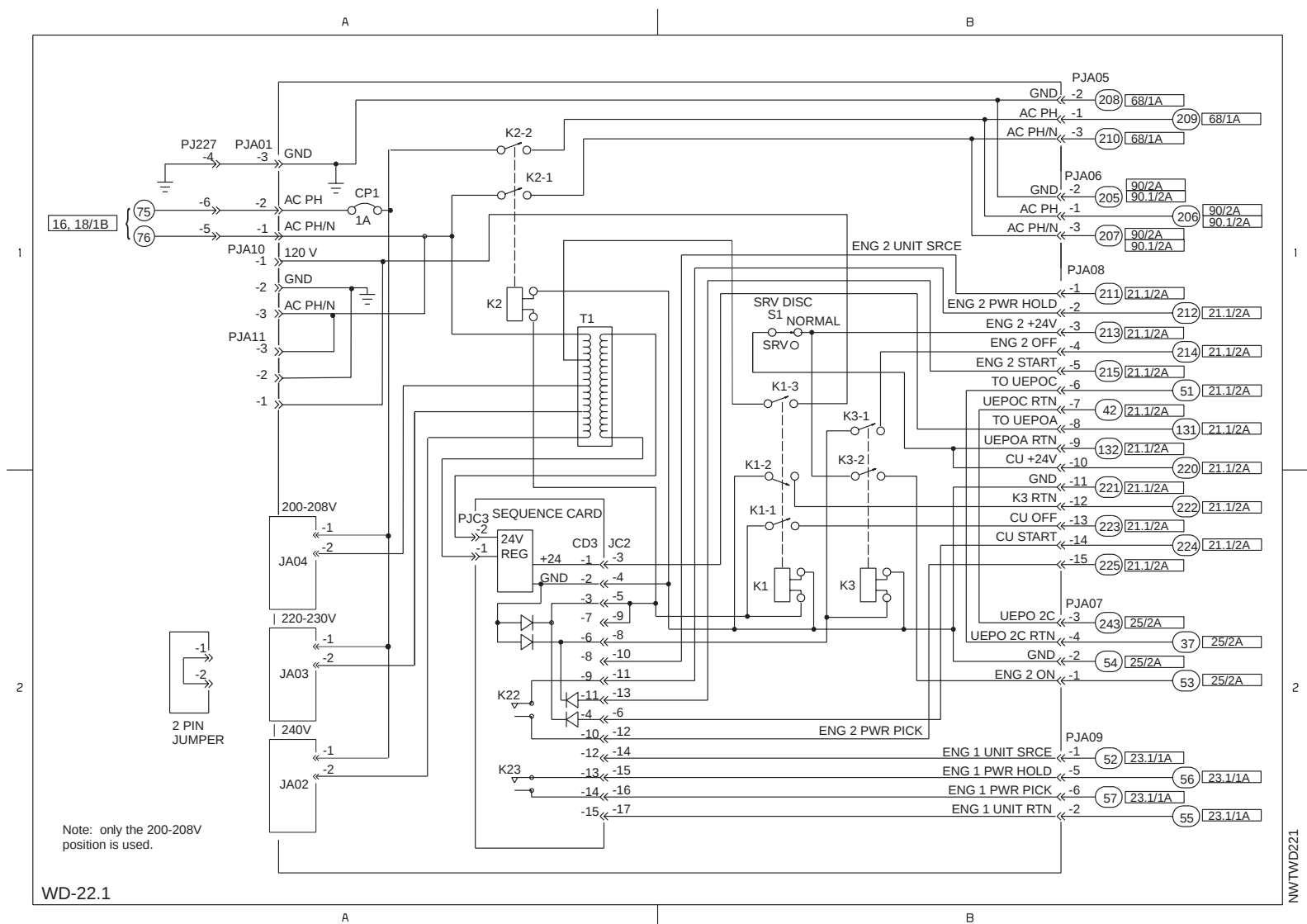
WD21.1 - Control Unit AC Power Control (Duplex)



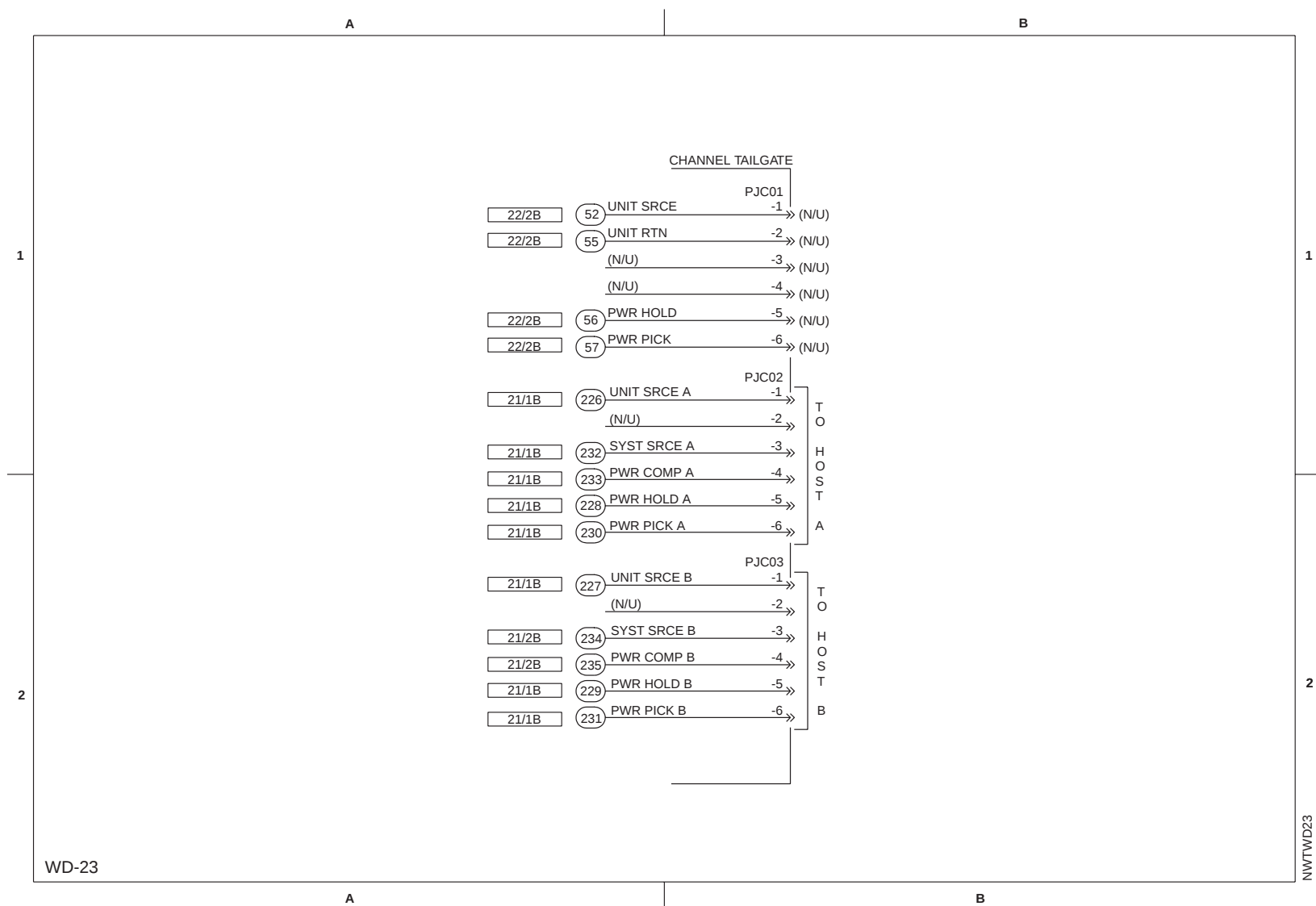
WD22 - Control Unit AC Control Box (Simplex)



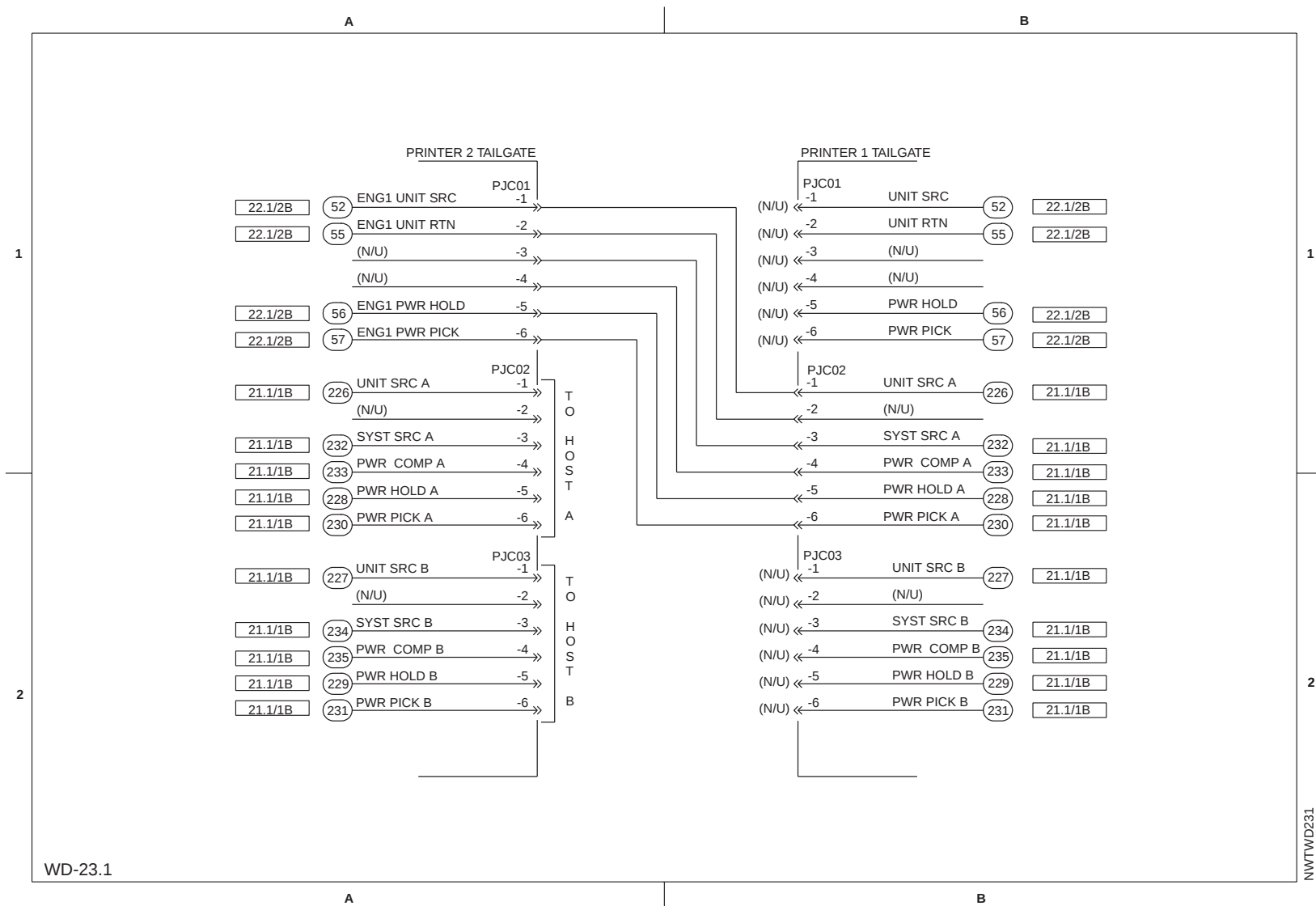
WD22.1 - Control Unit AC Control Box (Duplex)



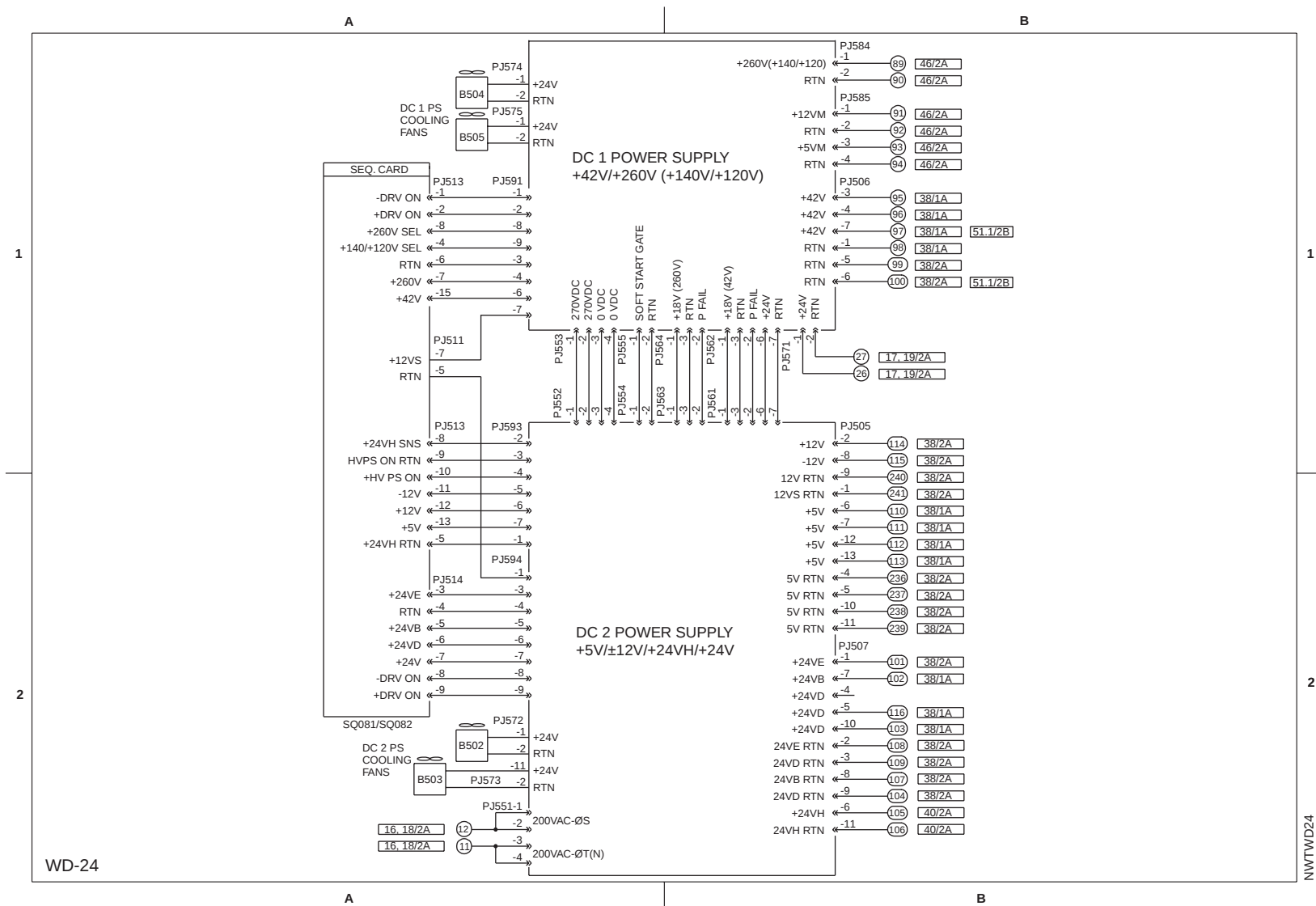
WD23 - AC Power Control (Simplex)



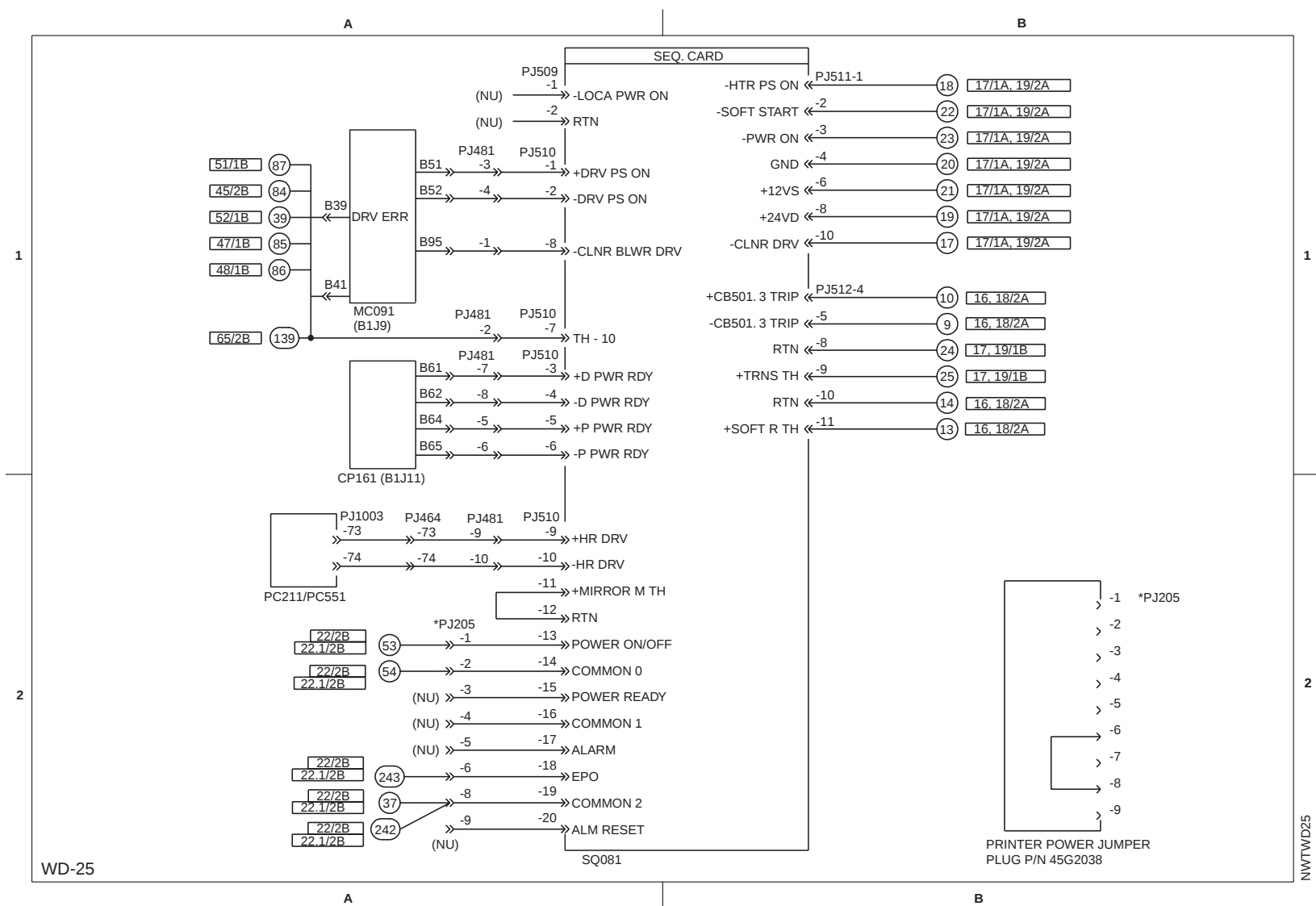
WD23.1 - AC Power Control (Duplex) Printer 2 Control Unit to Printer 1 Control Unit



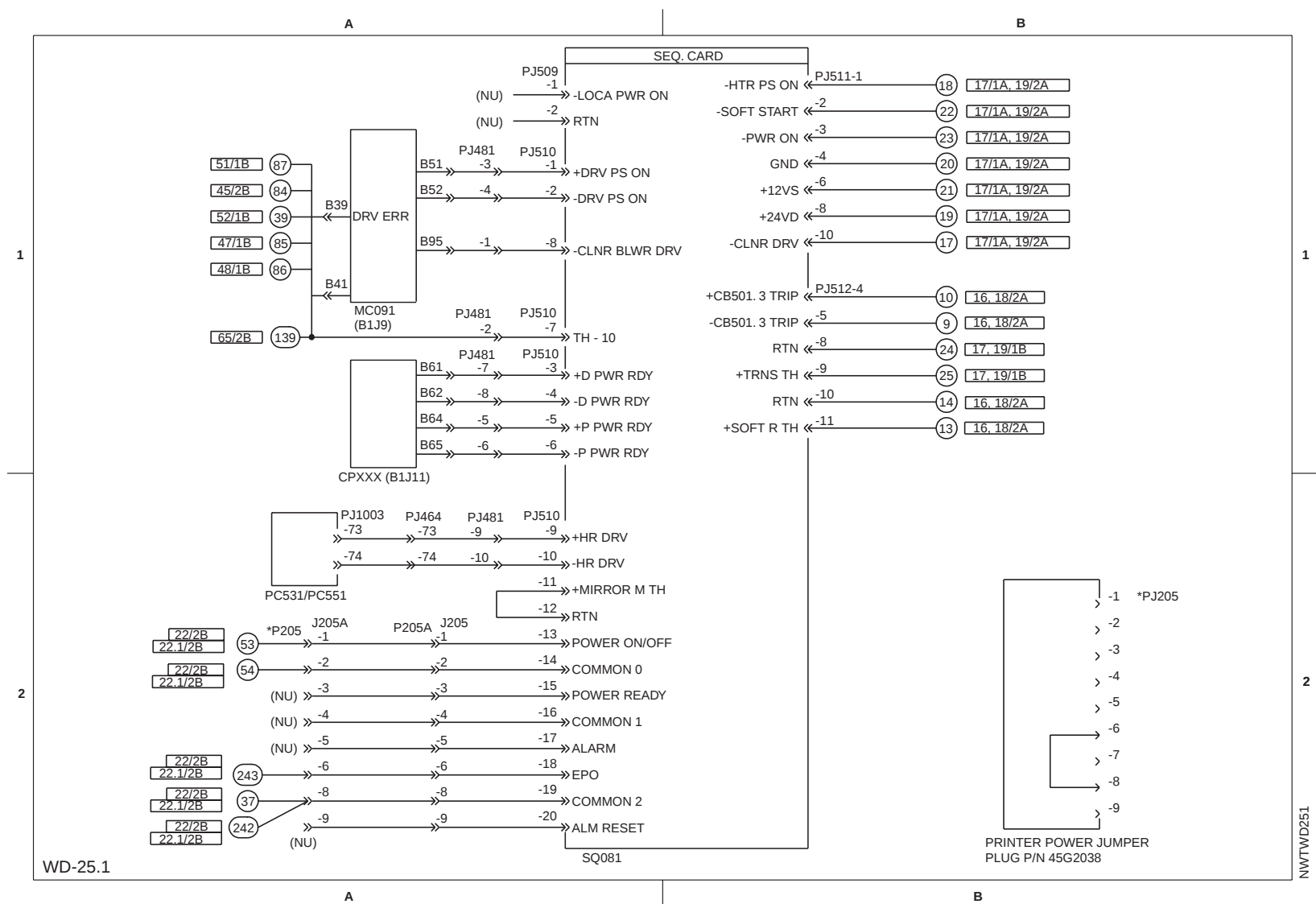
WD24 - Printer DC Power Units and Sequence Card



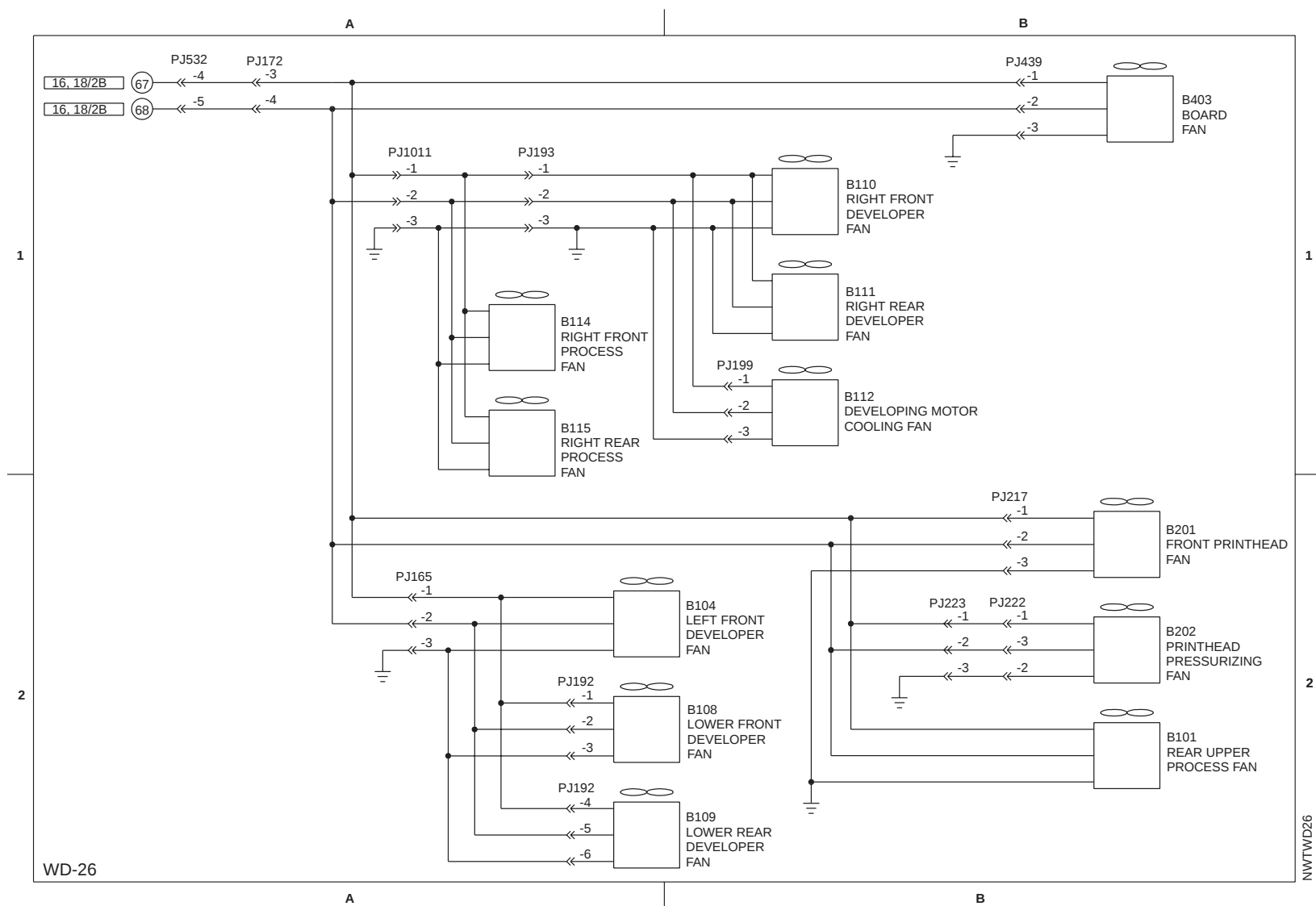
WD25 - Printer Sequence Card (Single Beam Printhead)



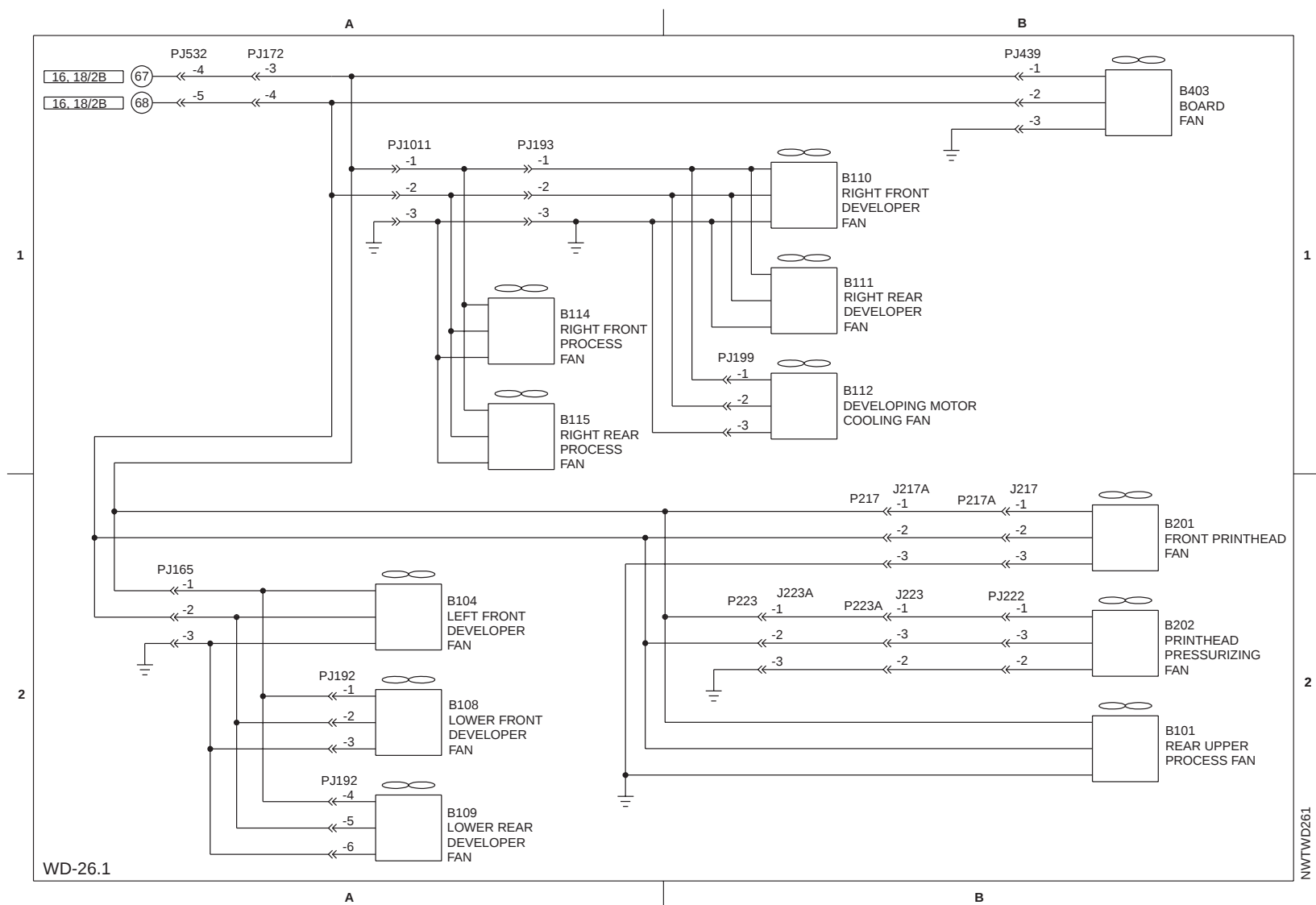
WD25.1 - Printer Sequence Card (Multi Beam Printhead)



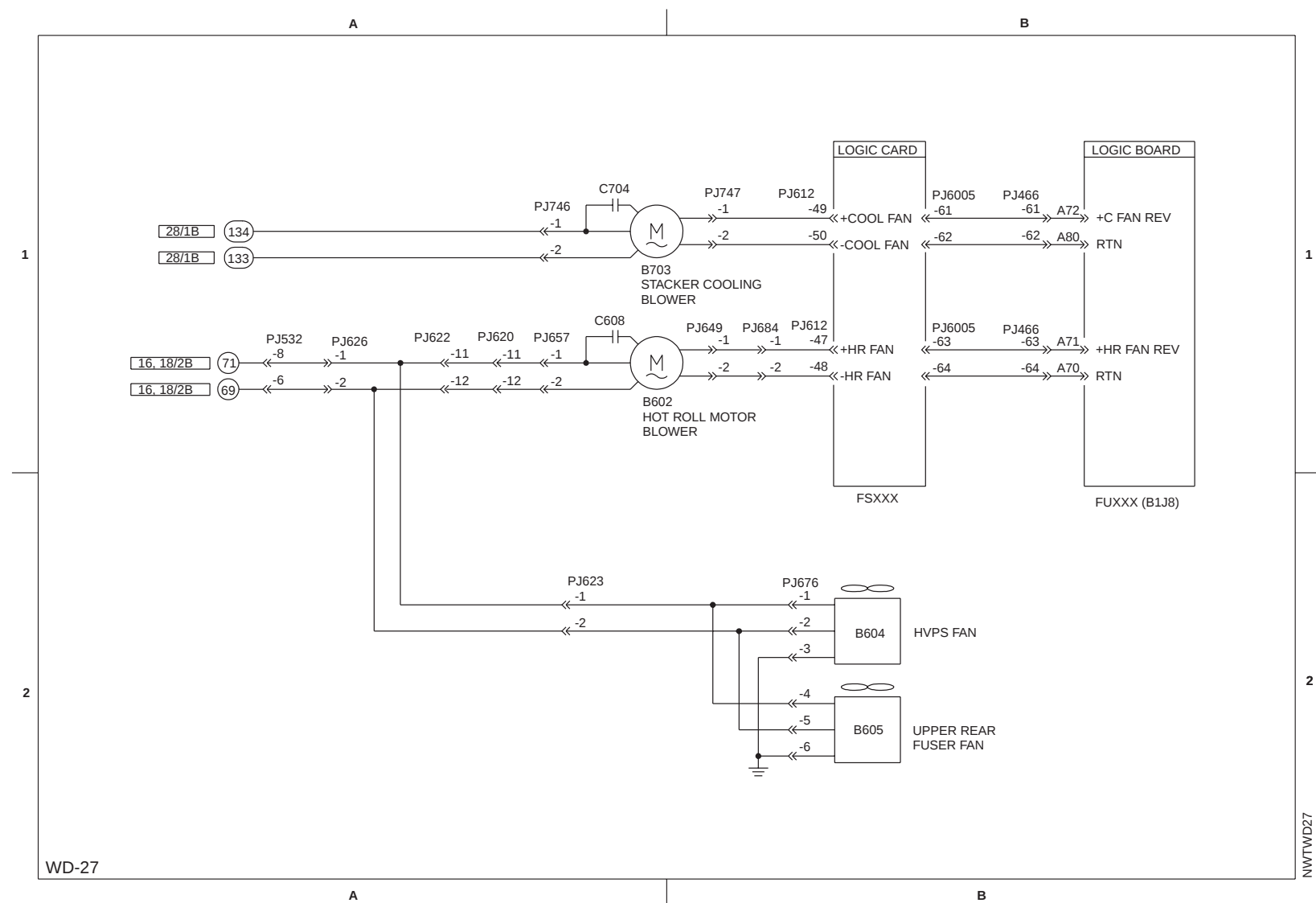
WD26 - 200 VAC Blowers (Single Beam Printhead)



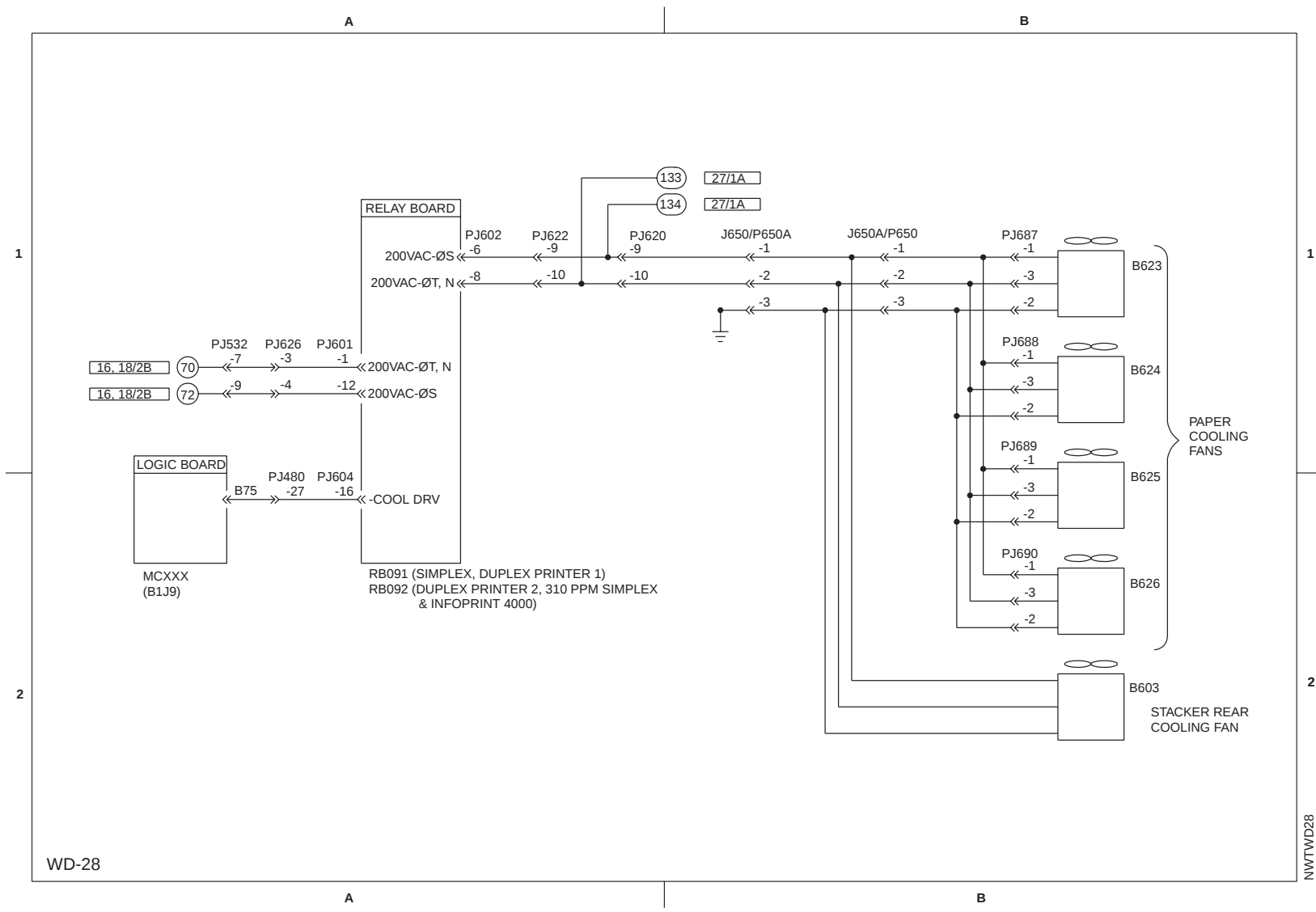
WD26.1 - 200 VAC Blowers (Multi Beam Printhead)



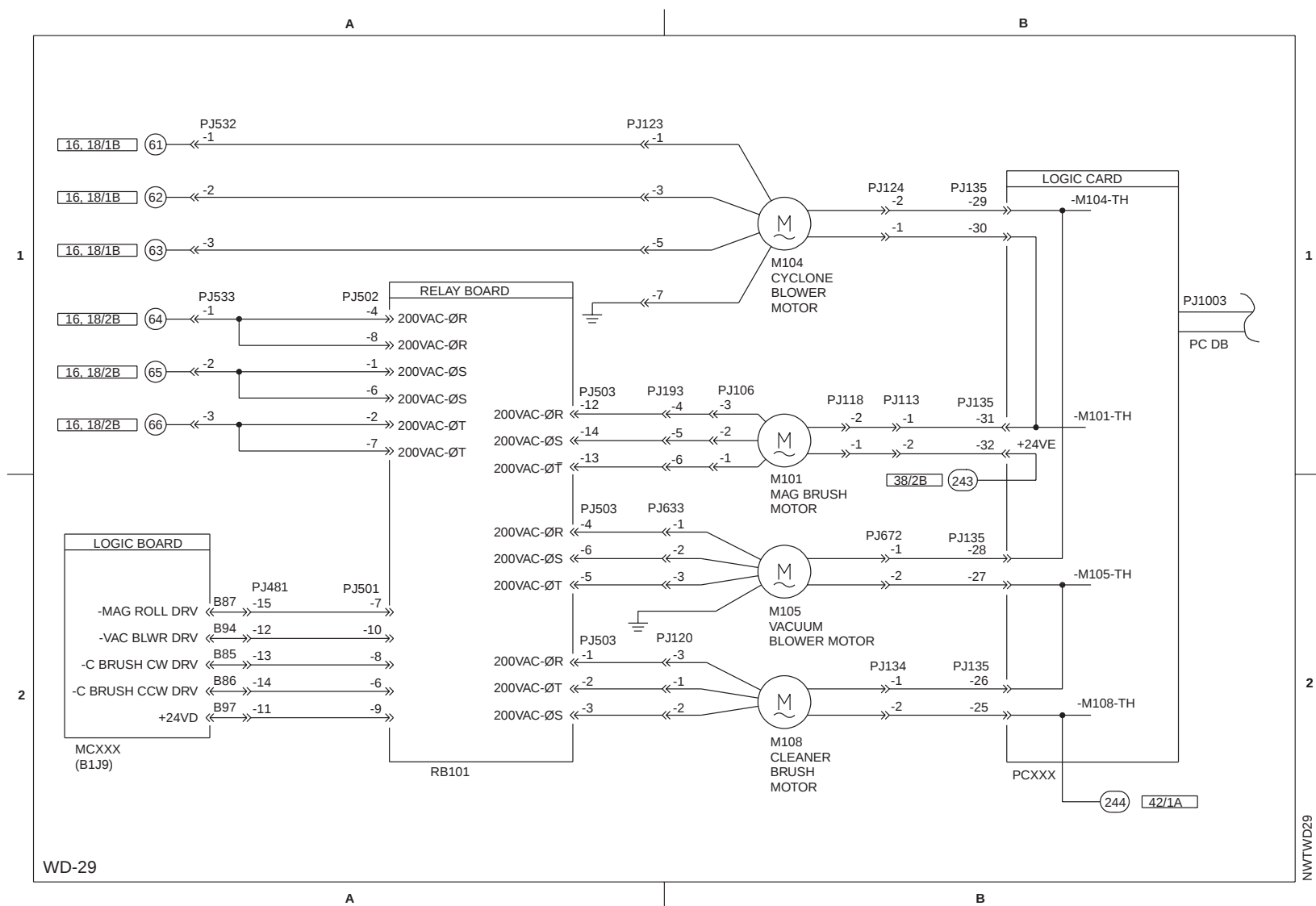
WD27 - Motors B602, B703 & 200 VAC Blowers



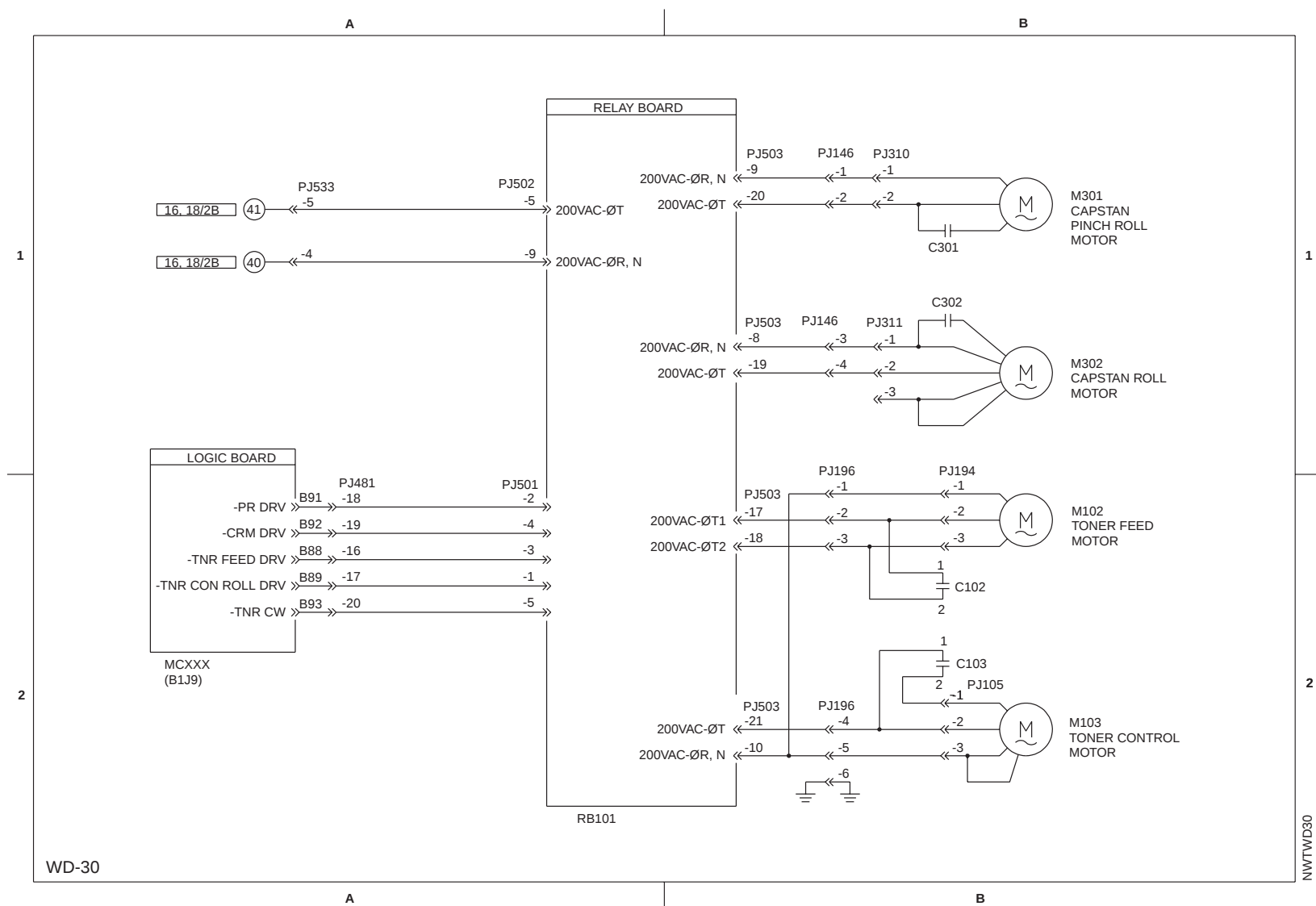
WD28 - 200 VAC Blowers



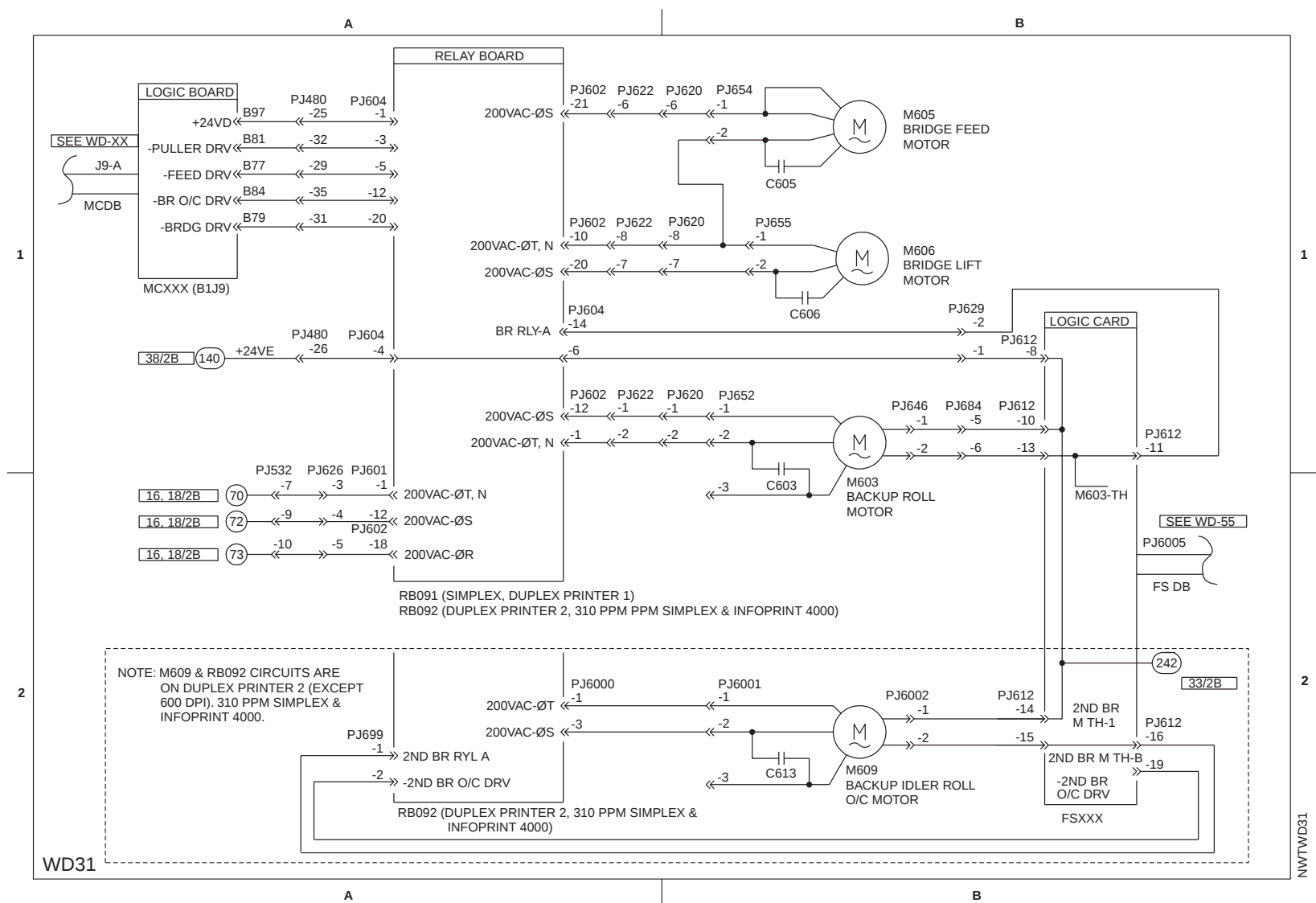
WD29 - 3 Phase AC Motors (M101, M104, M105 & M108)



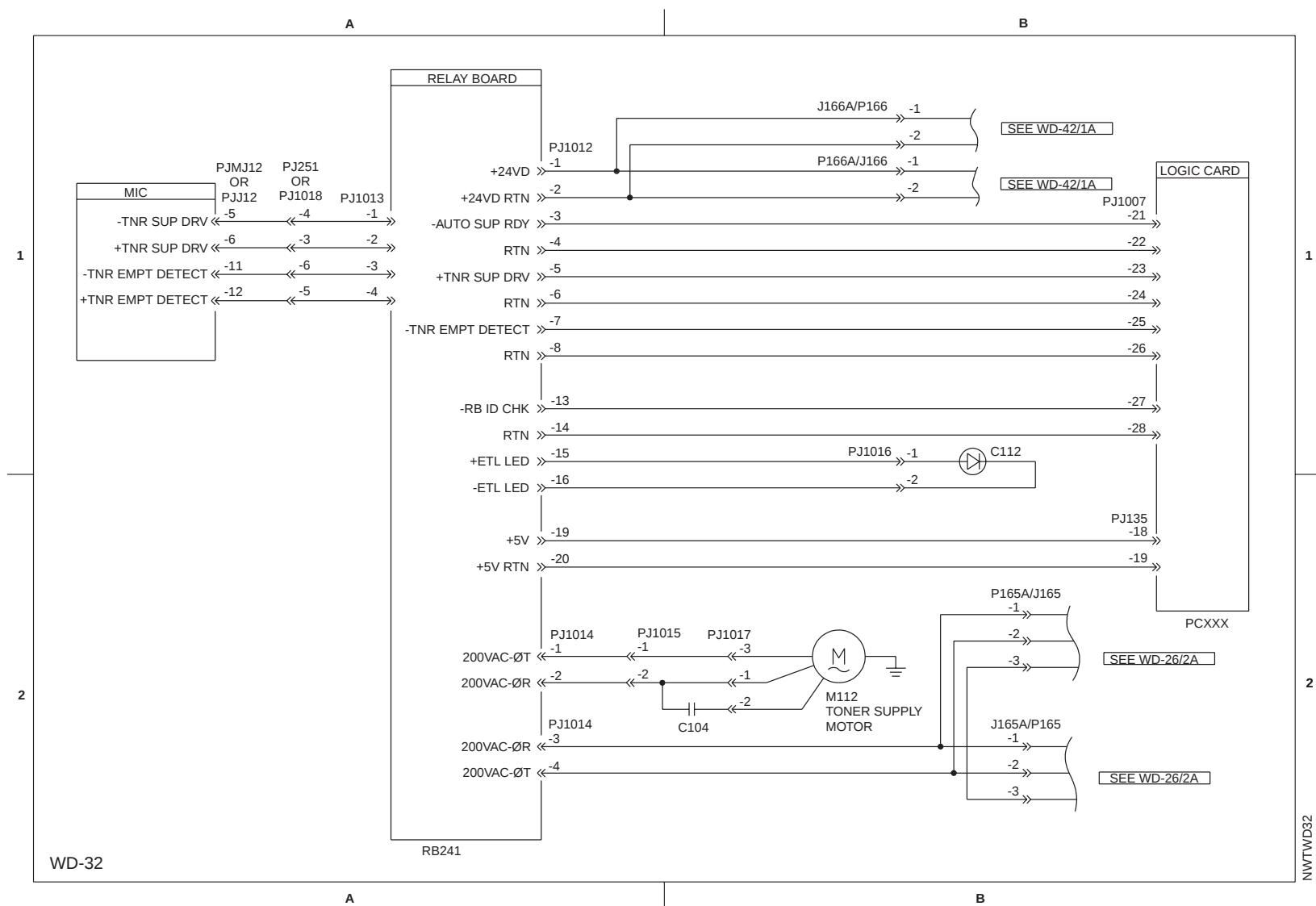
WD30 - Single Phase AC Motors (M102, M103, M301 & M302)



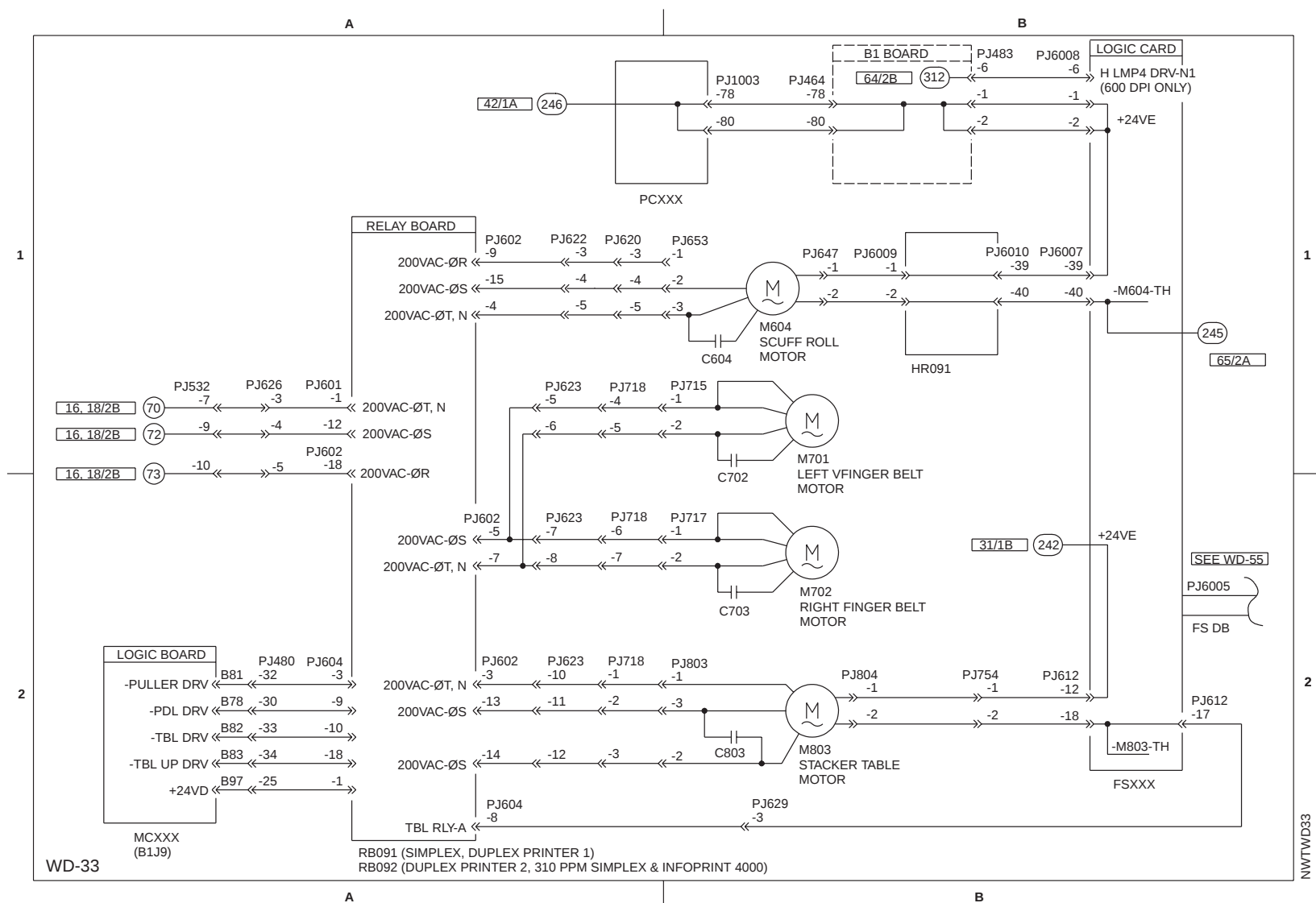
WD31 - AC Motors (M603, M605, M606 & M609)



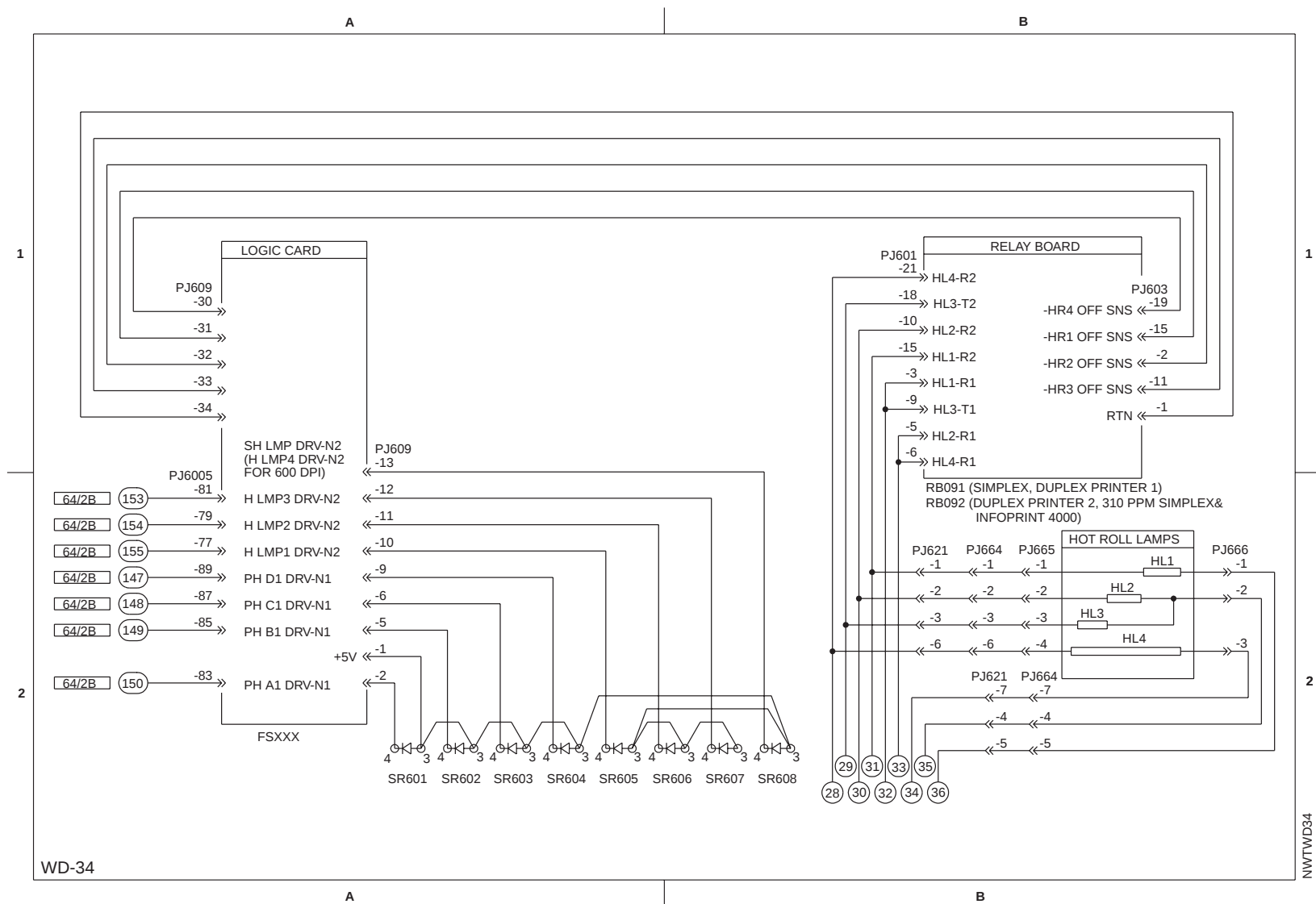
WD32 - AC Motor M112 (Enhanced Toner Loading)



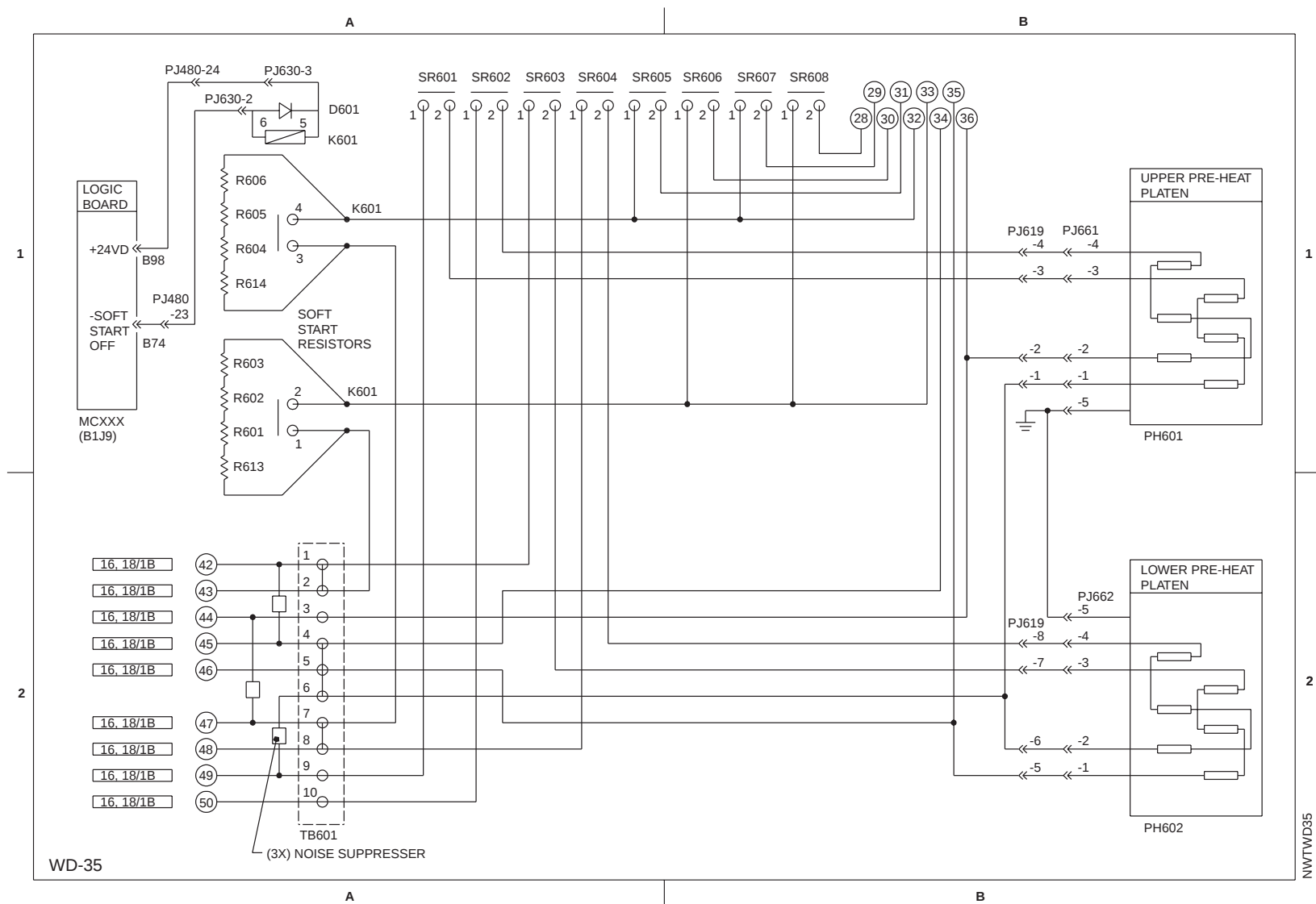
WD33 - AC Motors (M604, M701, M702 & M803)



WD34 - AC Distribution To Hot Roll Lamps

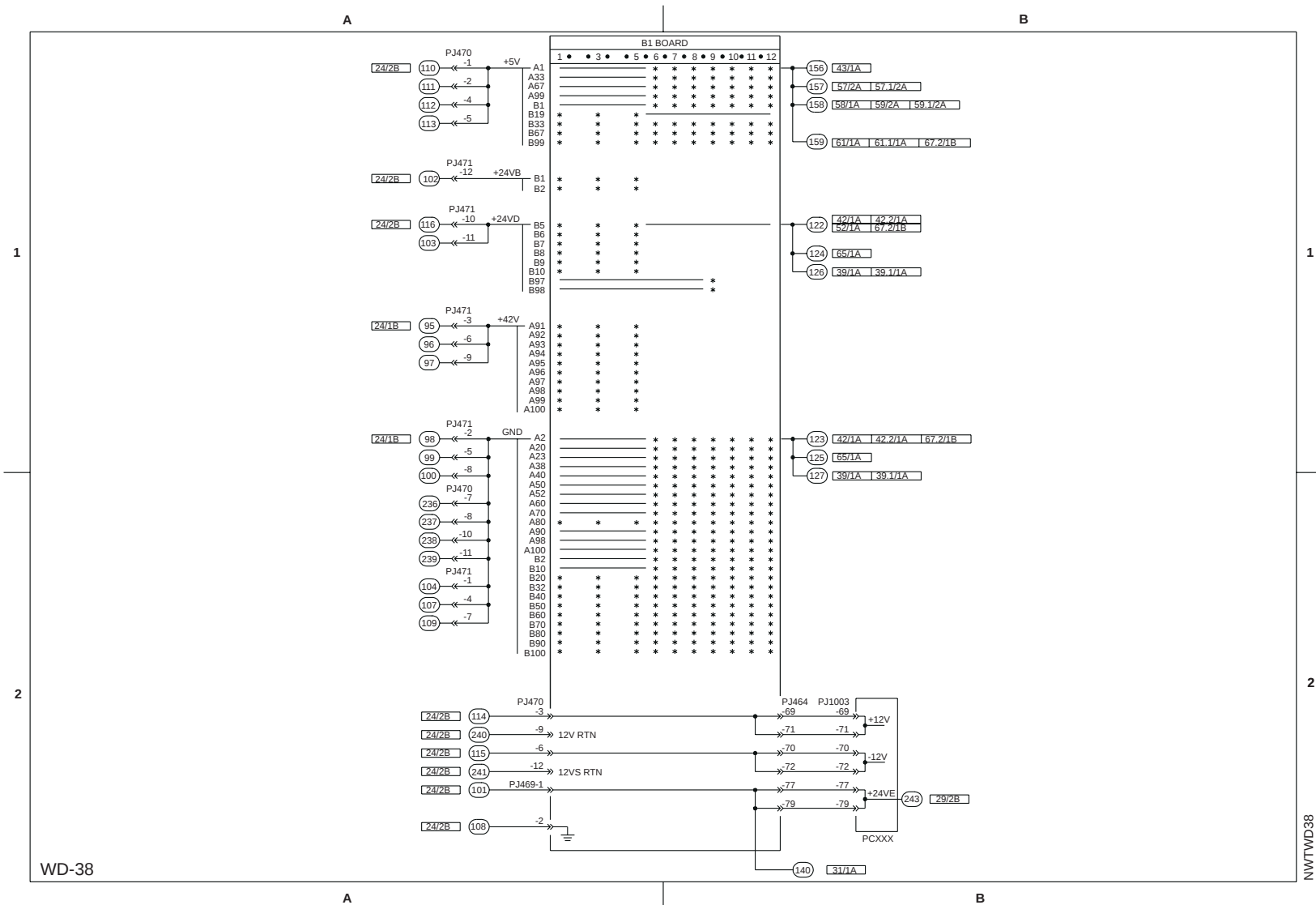


WD35 - AC Distribution To Preheat Platen

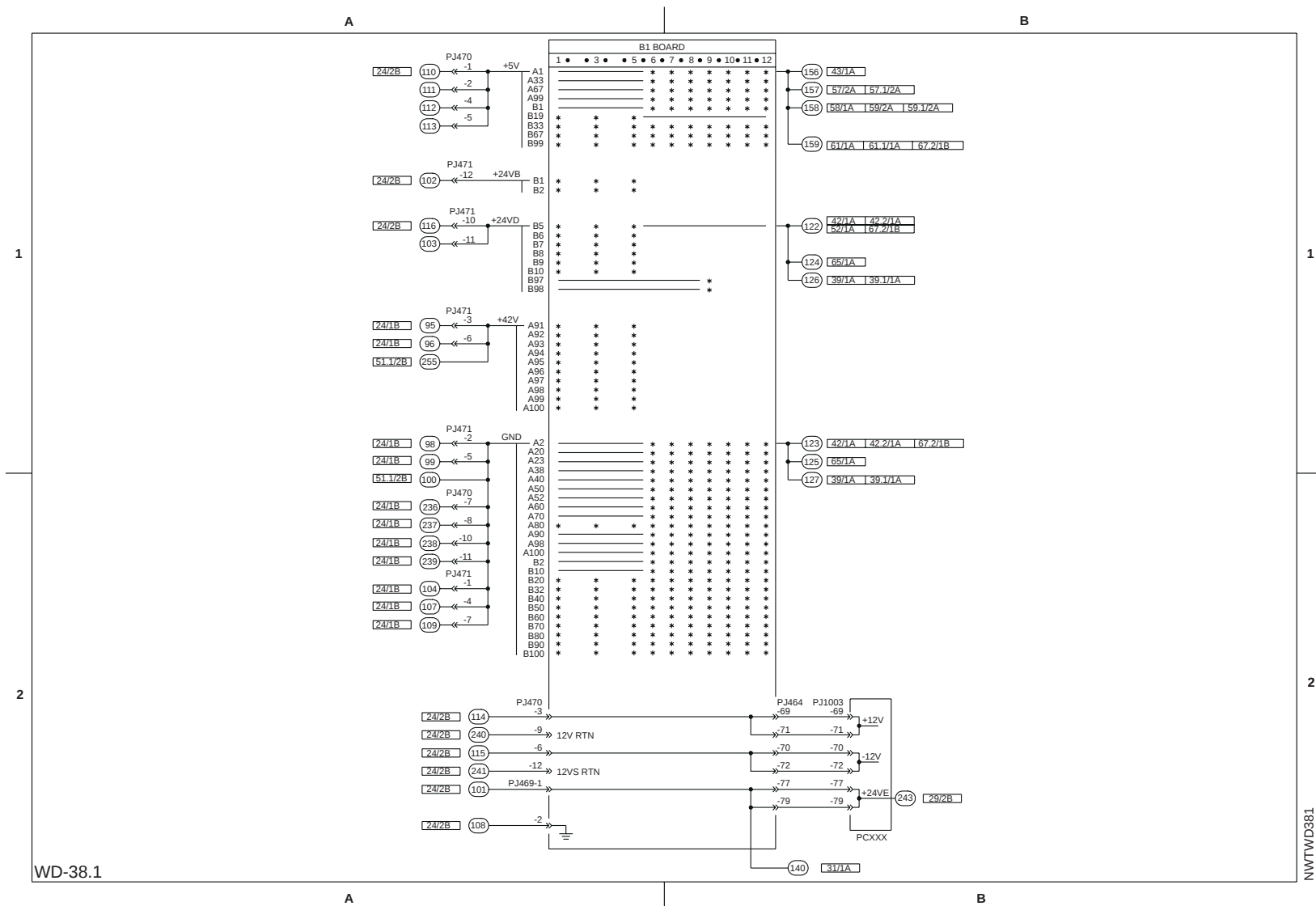


DC Circuits And Channel Attach Electronics

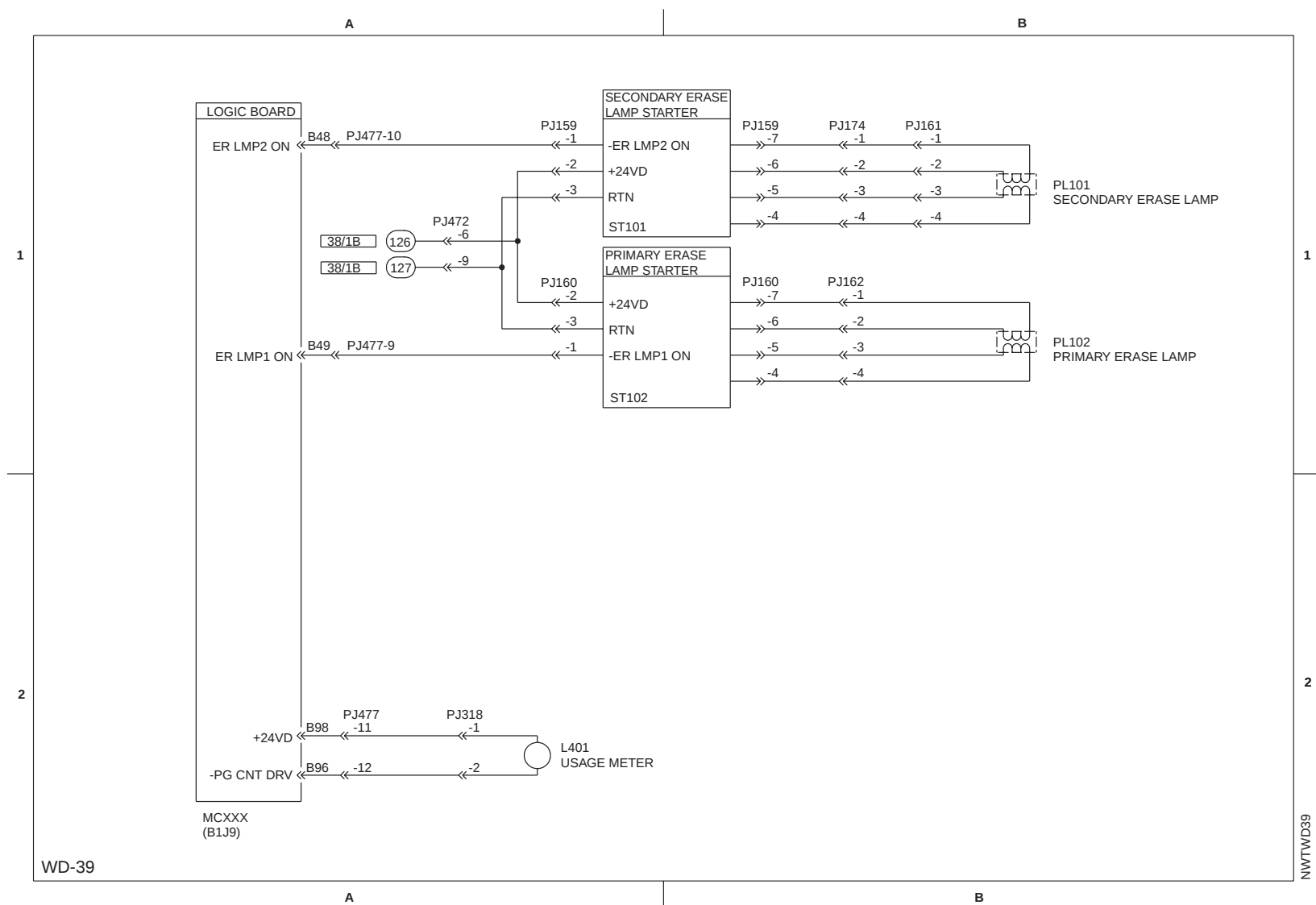
WD38 - Printer DC Power Distribution (Printers without M610)



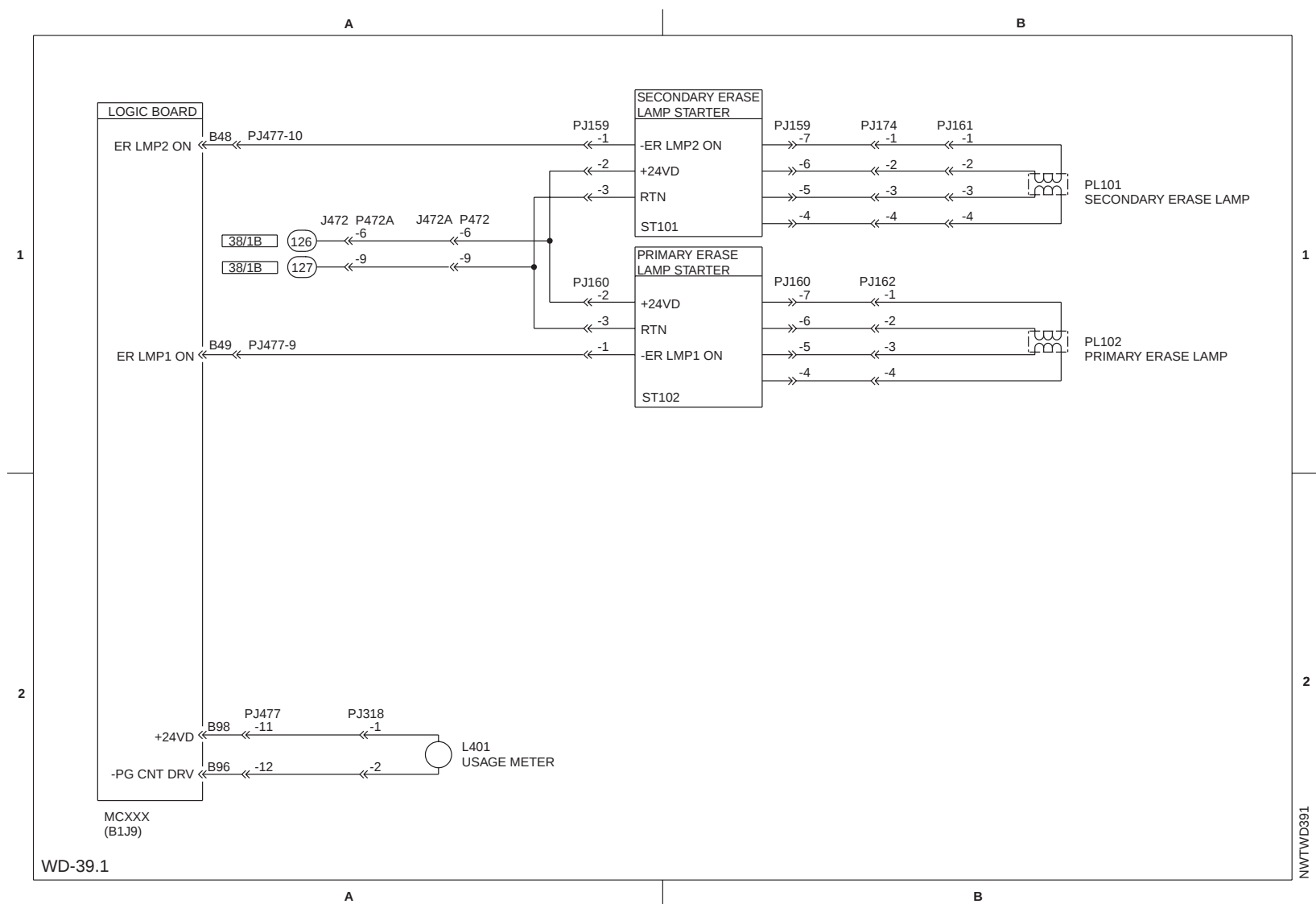
WD38.1 - Printer DC Power Distribution (Printers with M610)



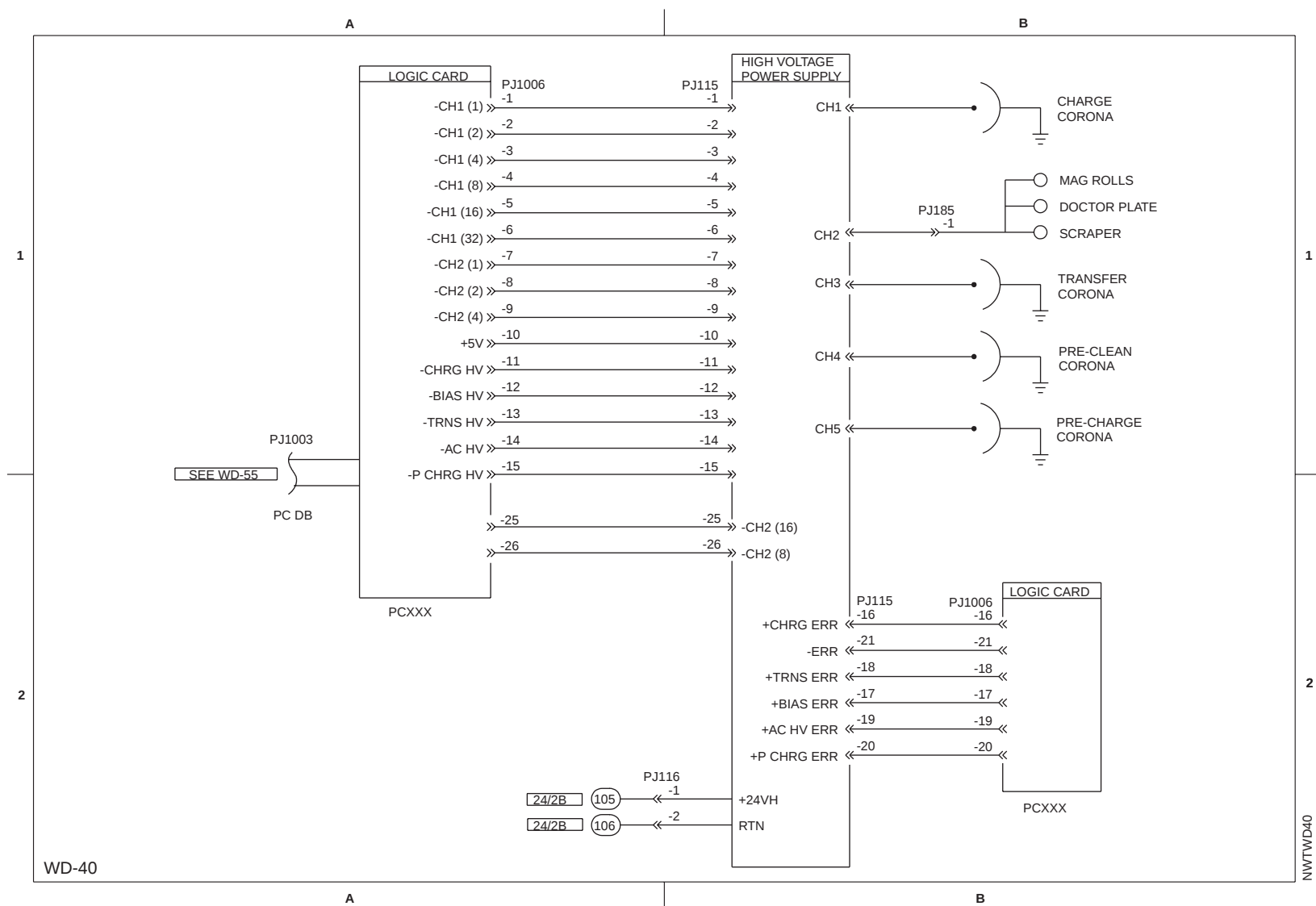
WD39 - Erase Lamp and Usage Meter (Single Beam or Two Beam 240 Printhead)



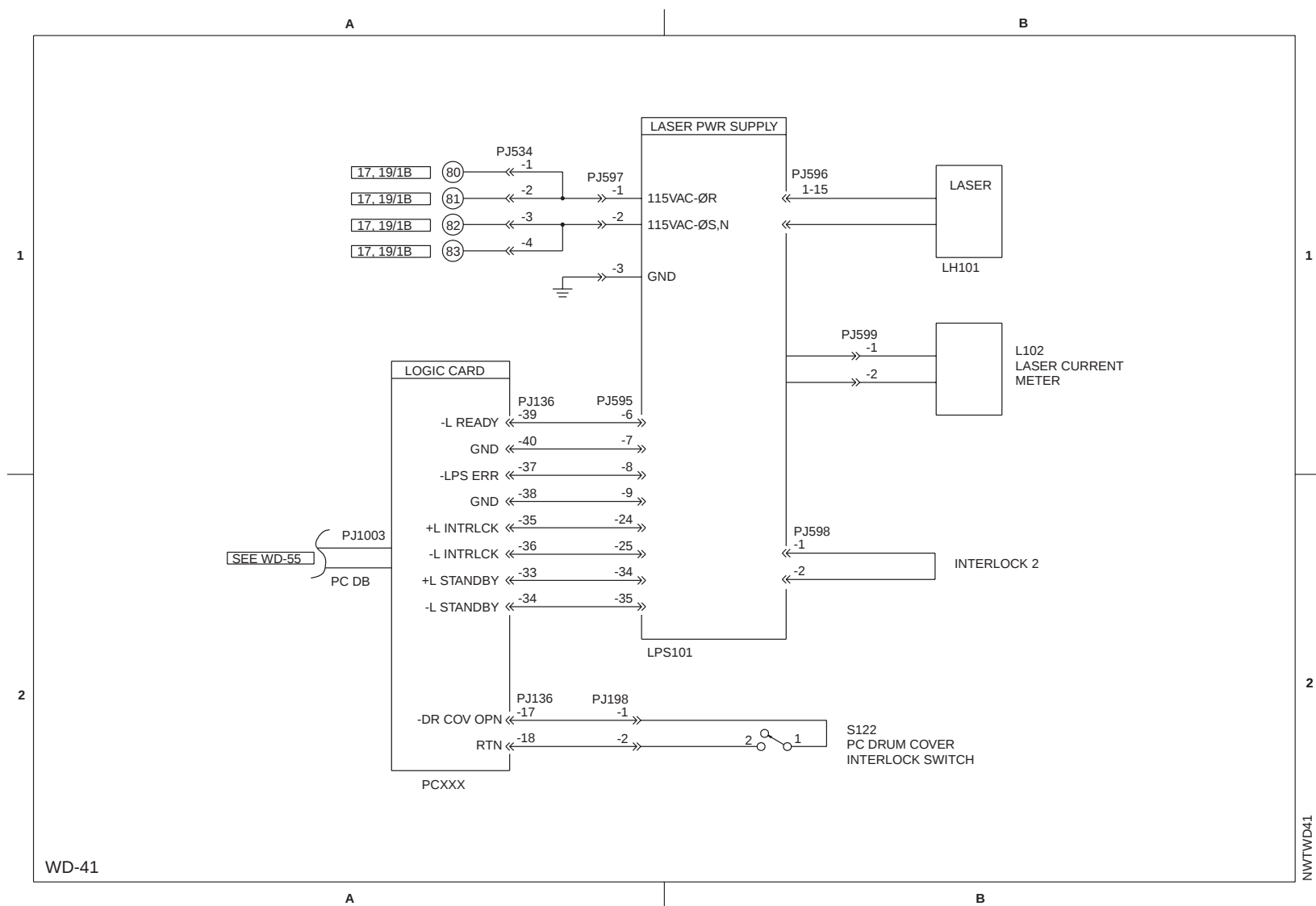
WD39.1 - Erase Lamp and Usage Meter (Two Beam 240/300, Four or Five Beam Printhead)



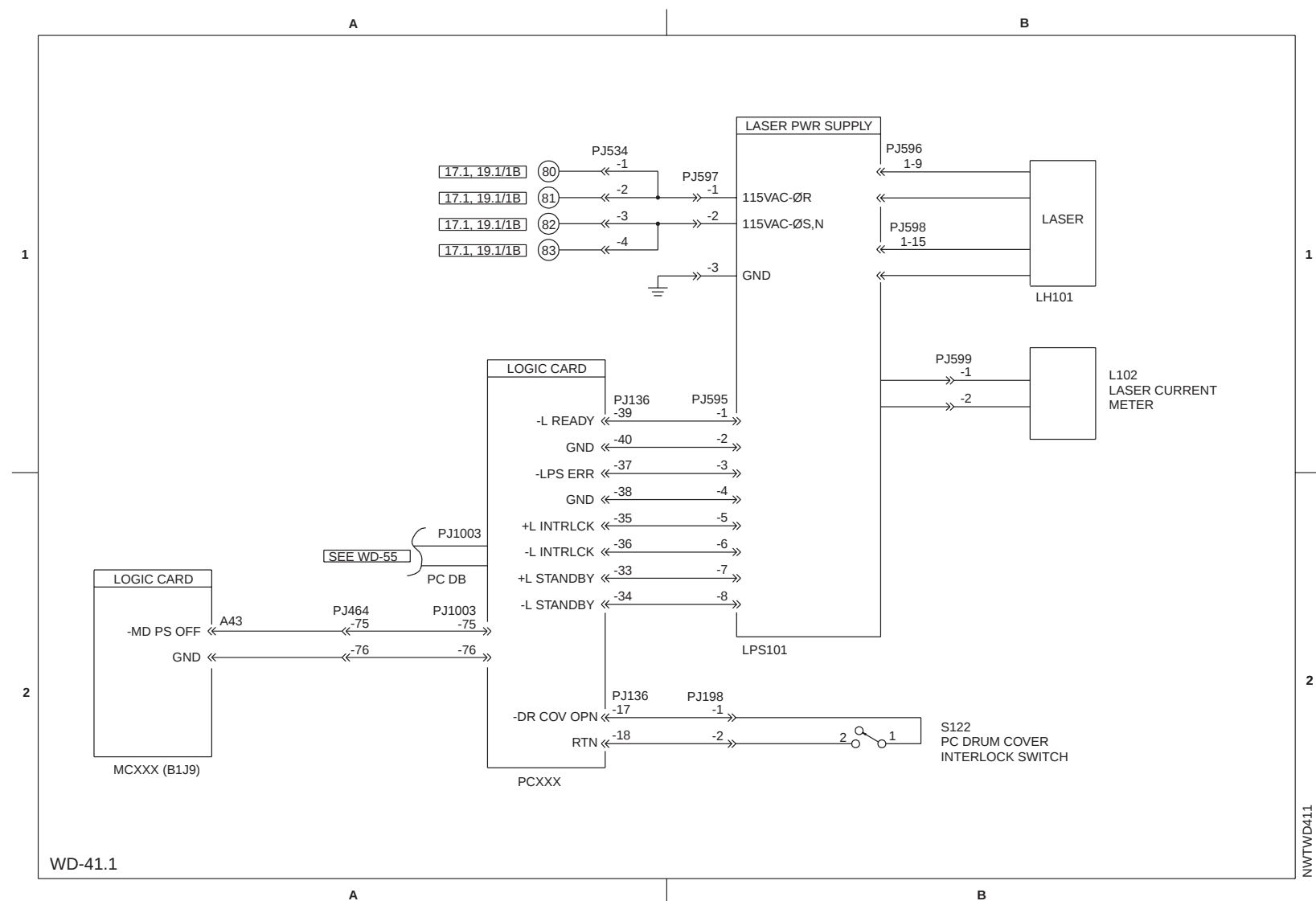
WD40 - High Voltage to Coronas



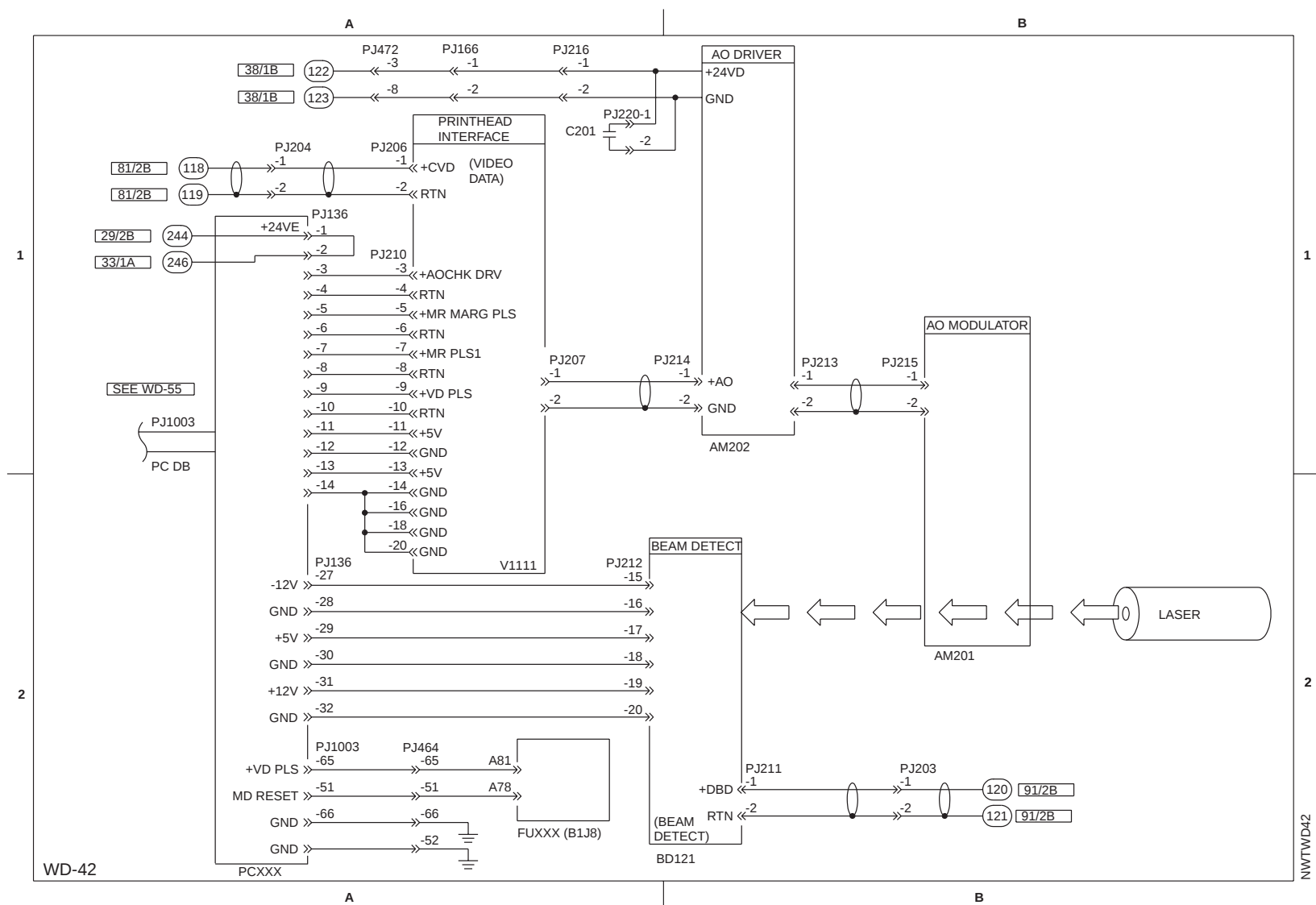
WD41 - Laser Power & Control and Drum Cover Interlock (except 30 mW laser)



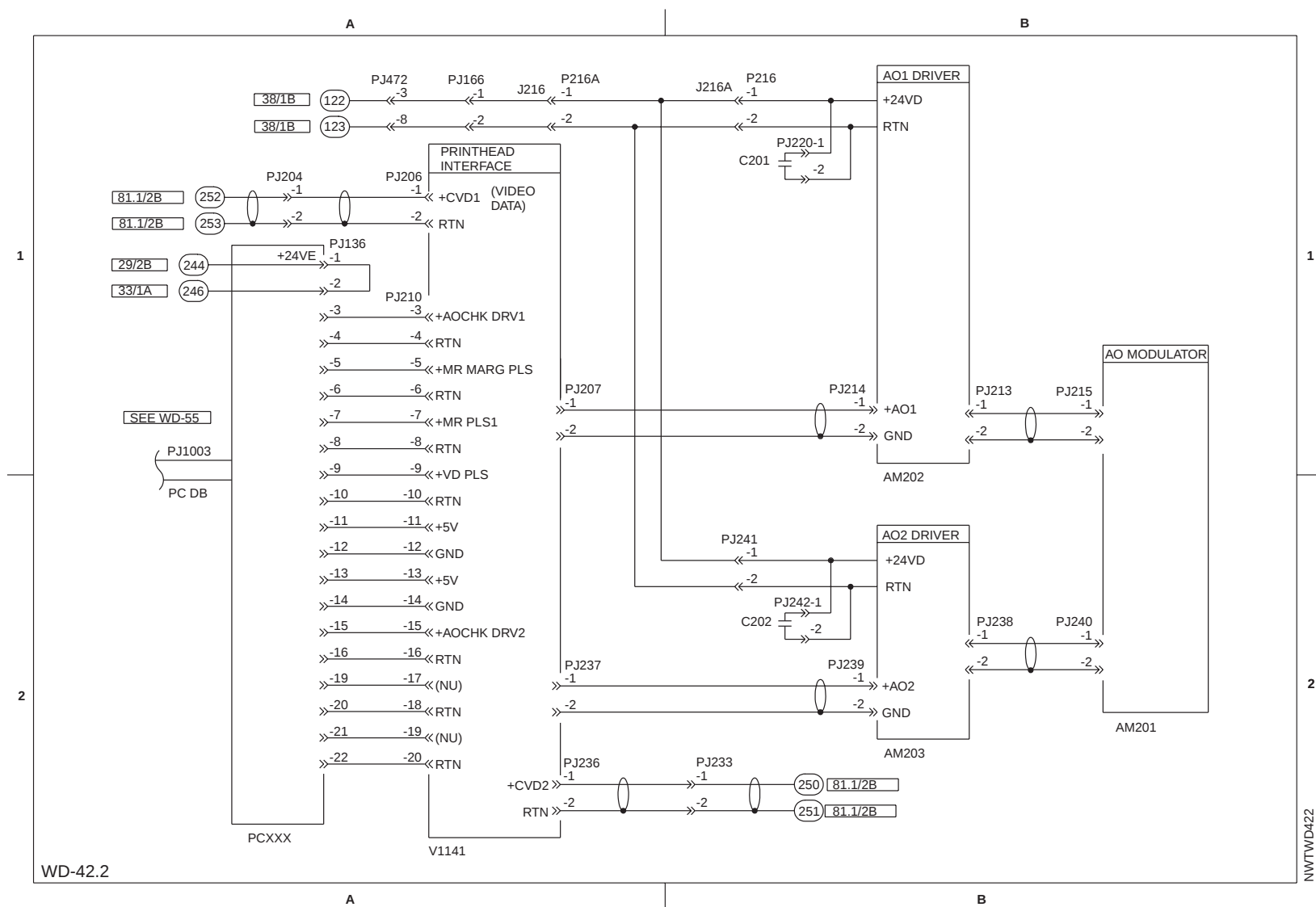
WD41.1 - Laser Power & Control and Drum Cover Interlock (for 30 mW laser)



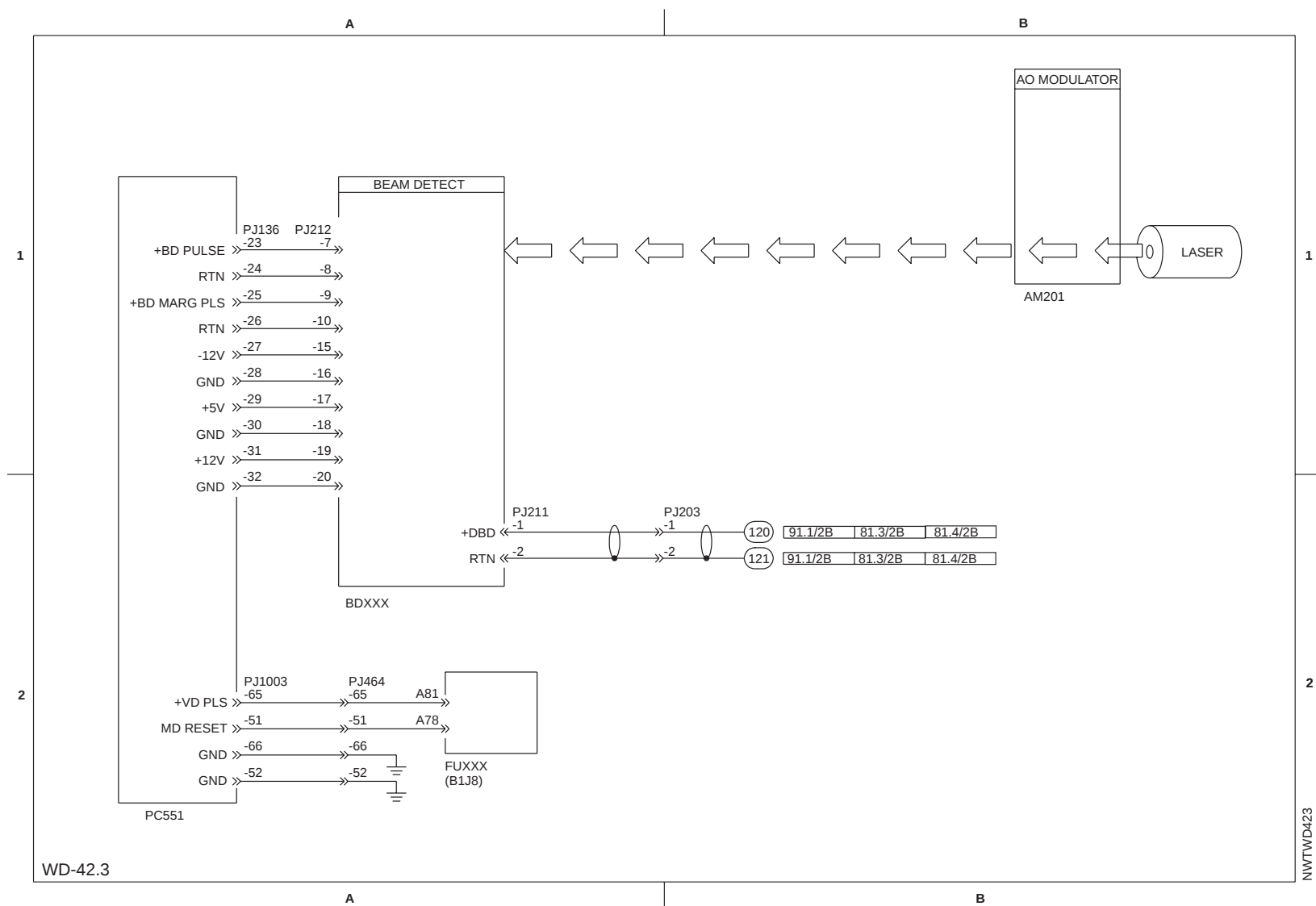
WD42 - Laser Modulator and Beam Detect (Single Beam Printhead)



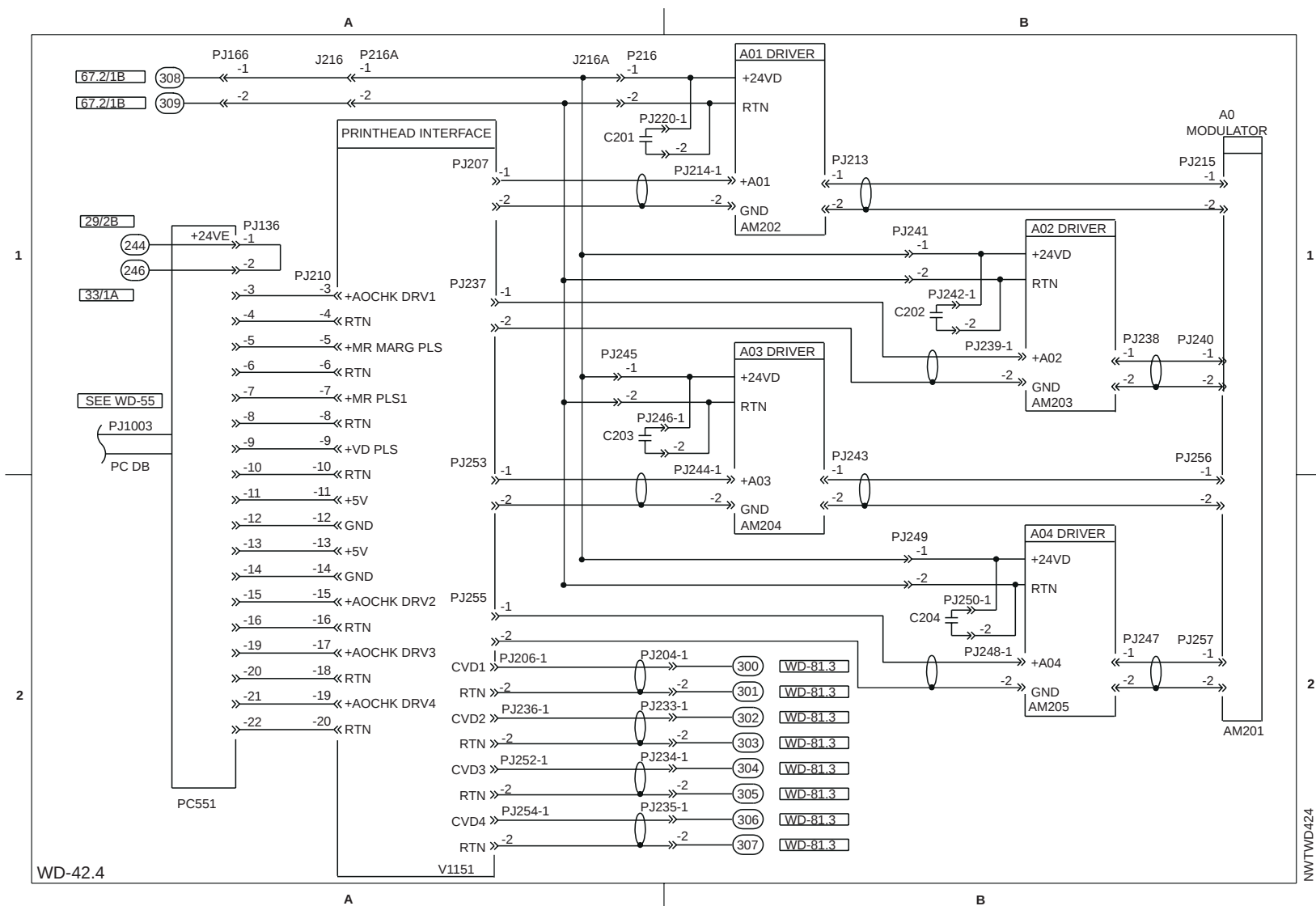
WD42.2 - Laser Modulator (Two Beam Printhead)



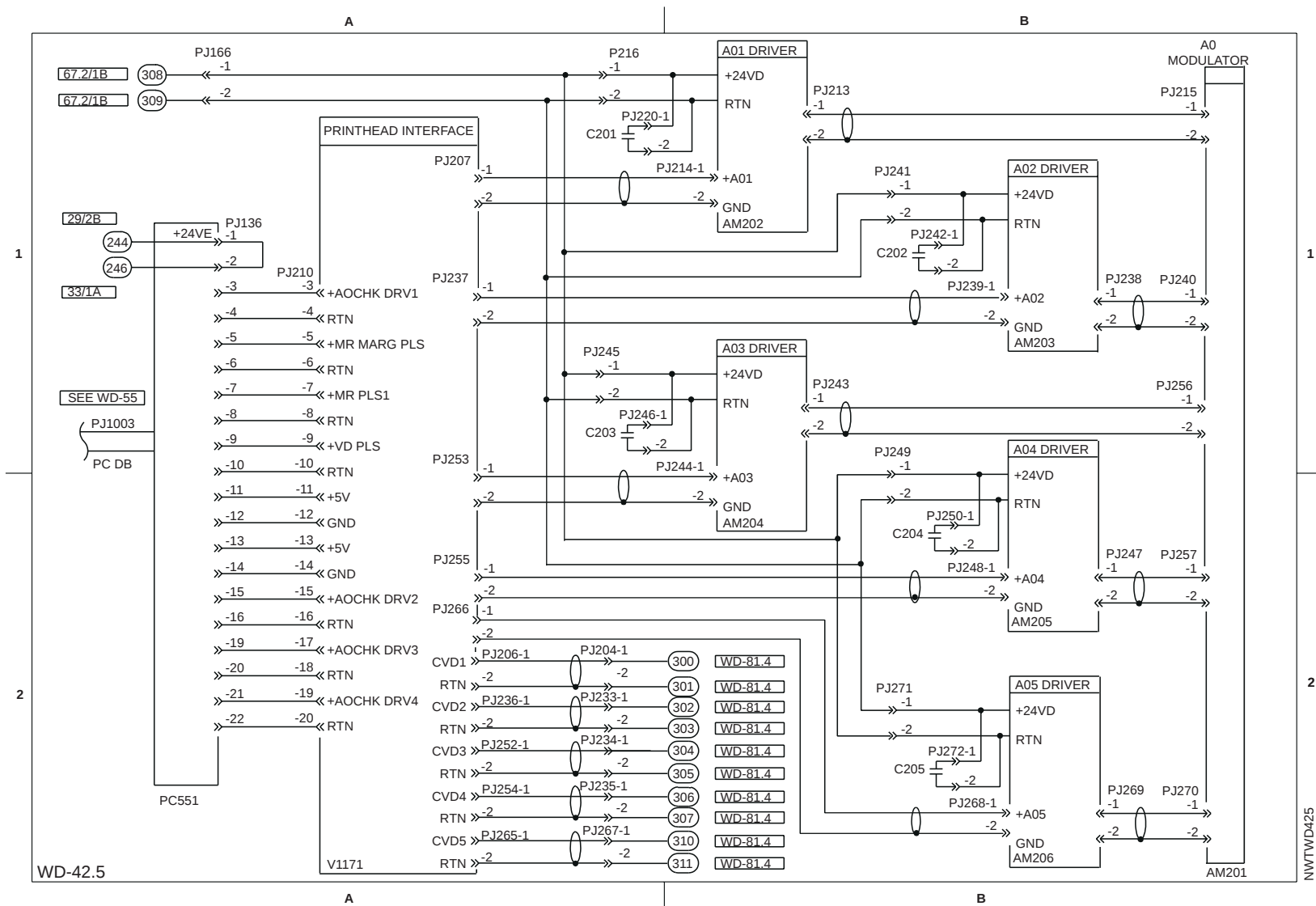
WD42.3 - Beam Detect (Multi Beam Printhead)



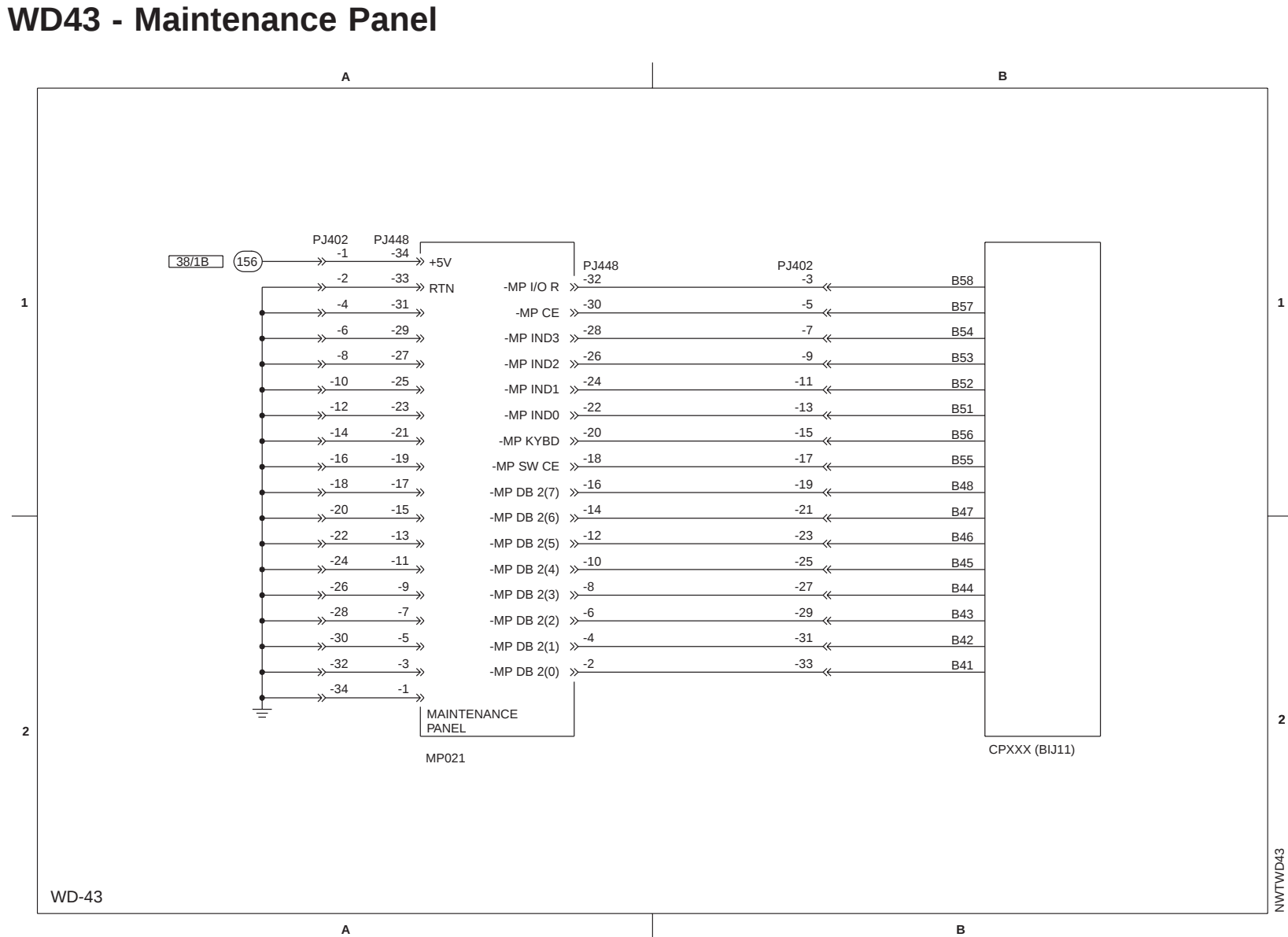
WD42.4 - Laser Modulator (Four Beam Printhead)



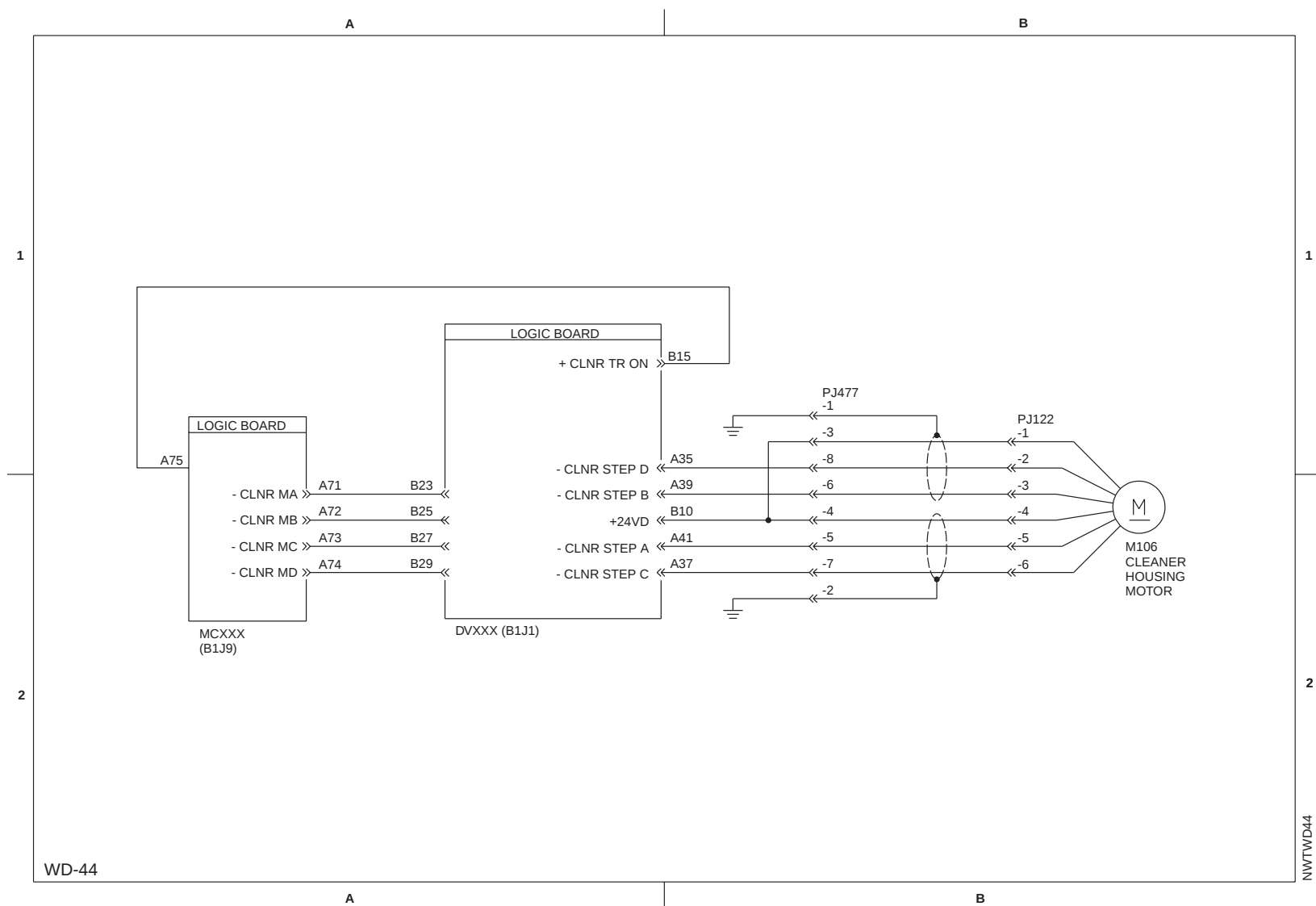
WD42.5 - Laser Modulator (Five Beam Printhead)



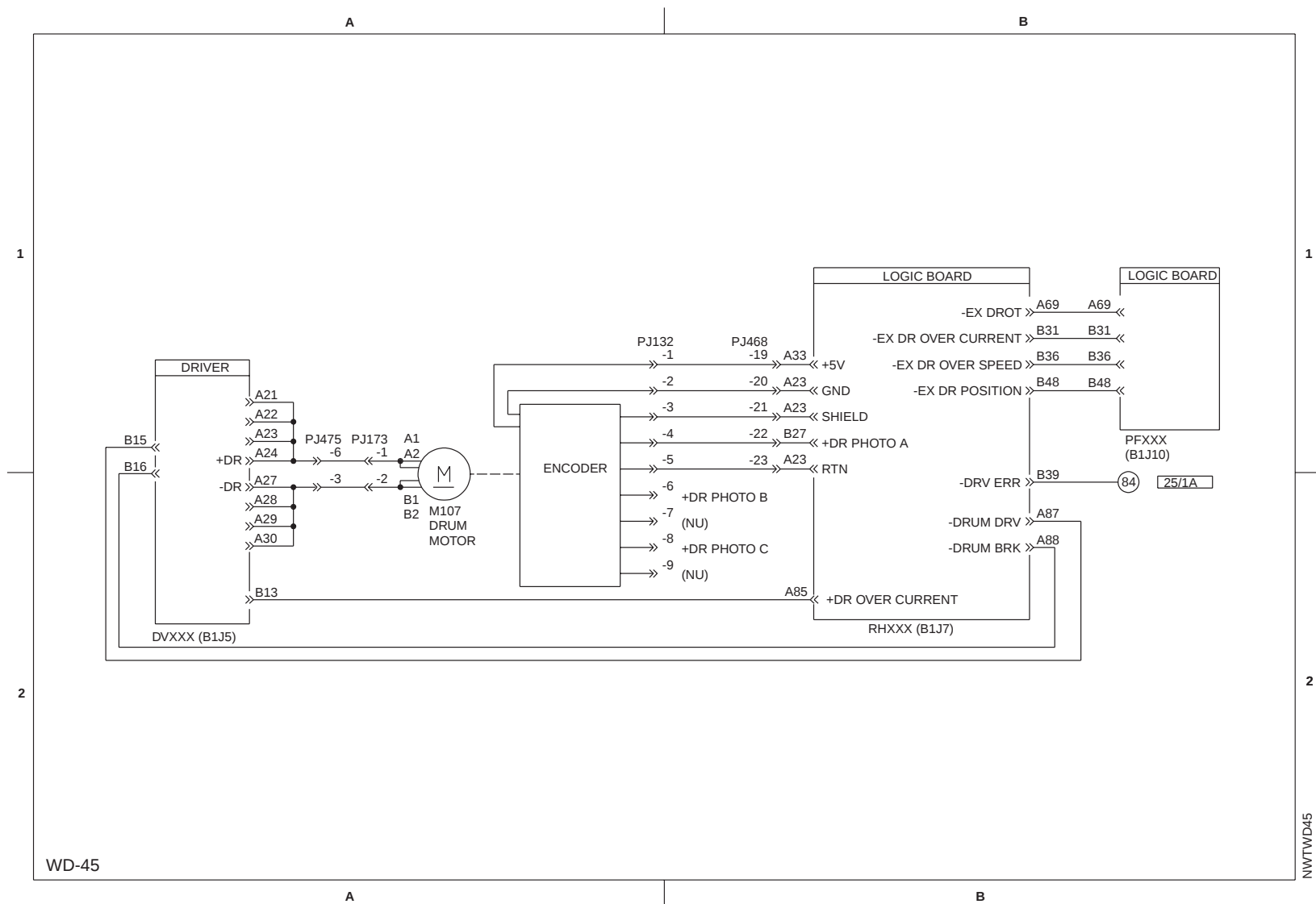
WD43 - Maintenance Panel



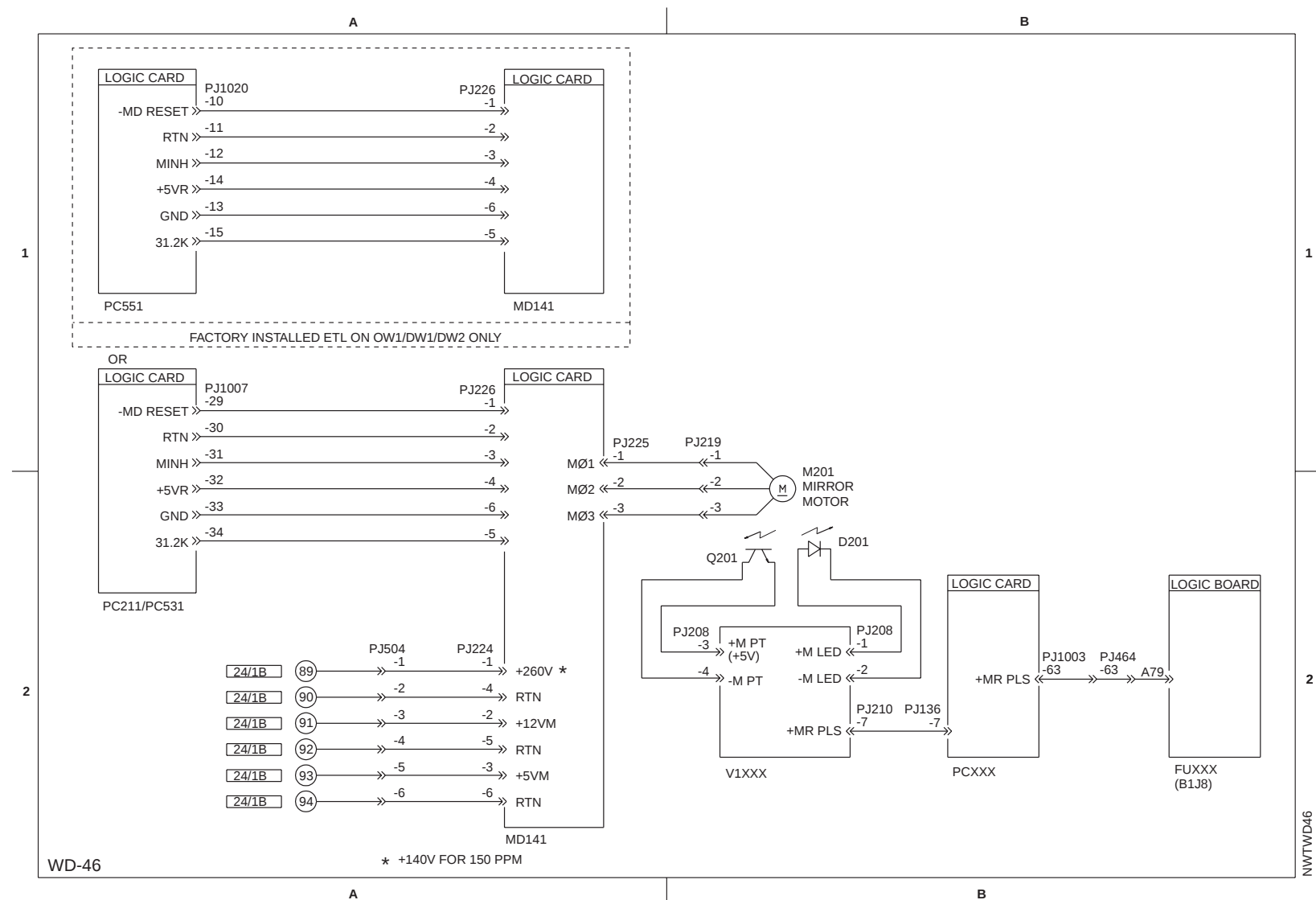
WD44 - Motor M106



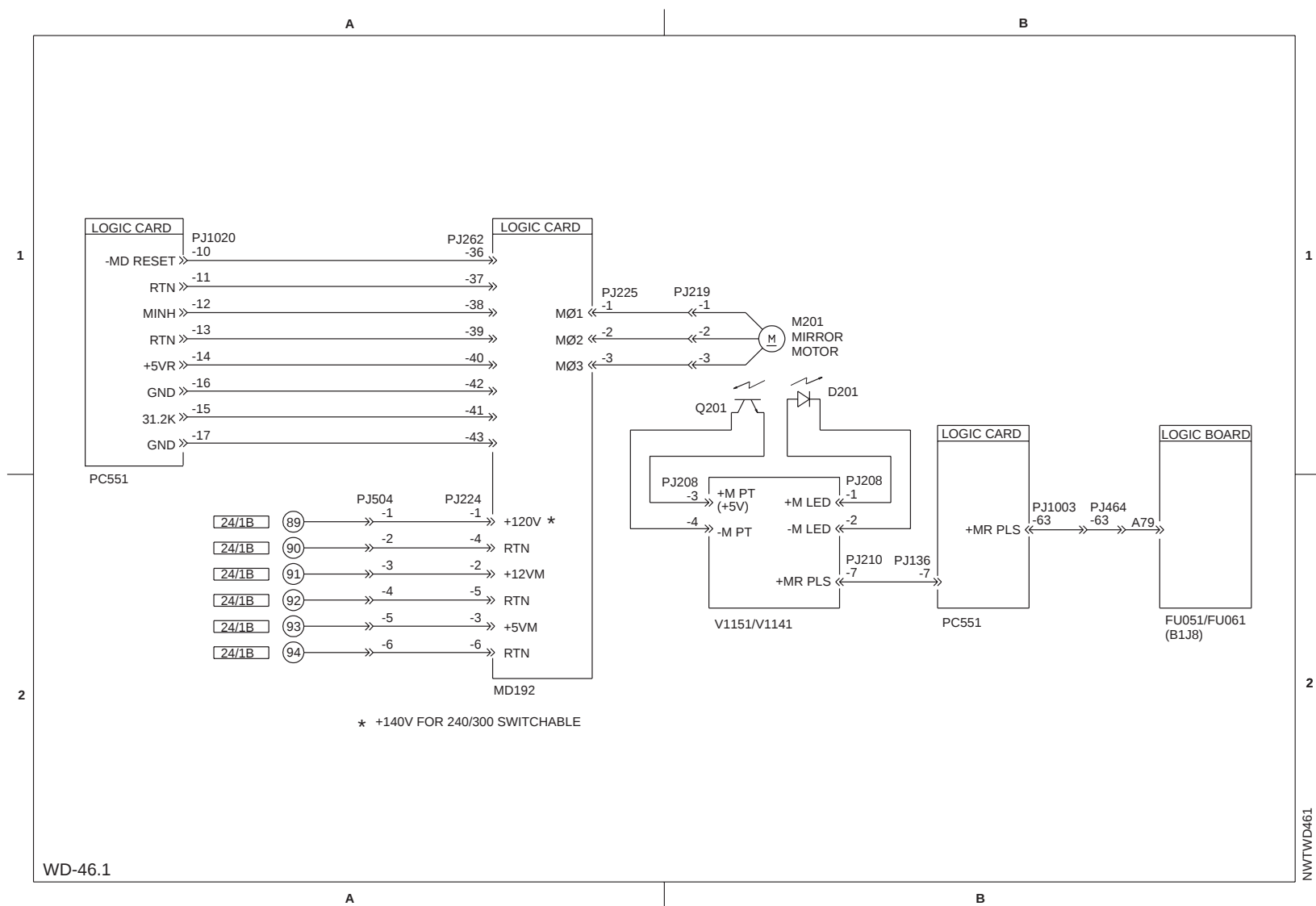
WD45 - Motor M107



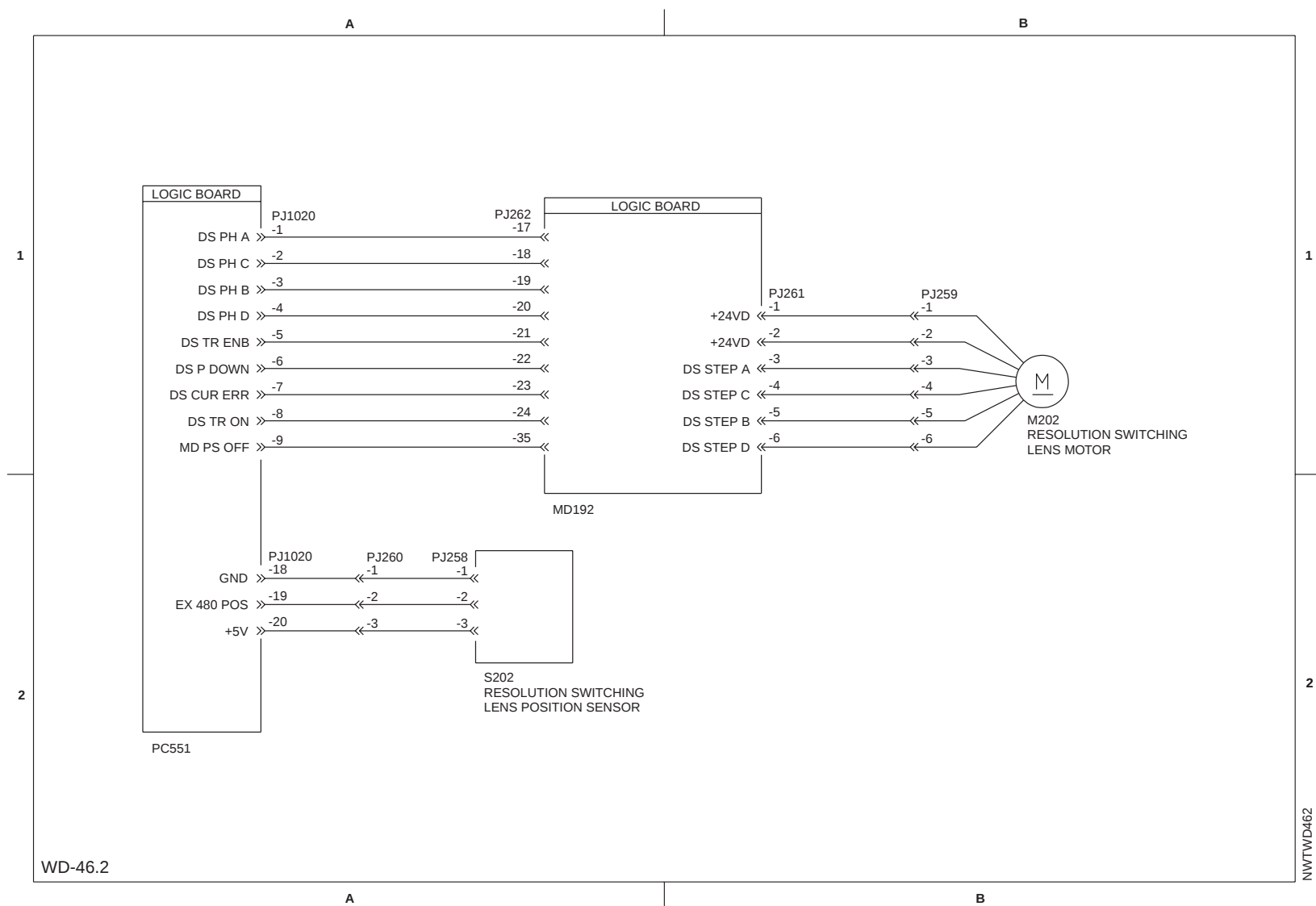
WD46 - Motor M201 (Fixed Resolution Printhead)



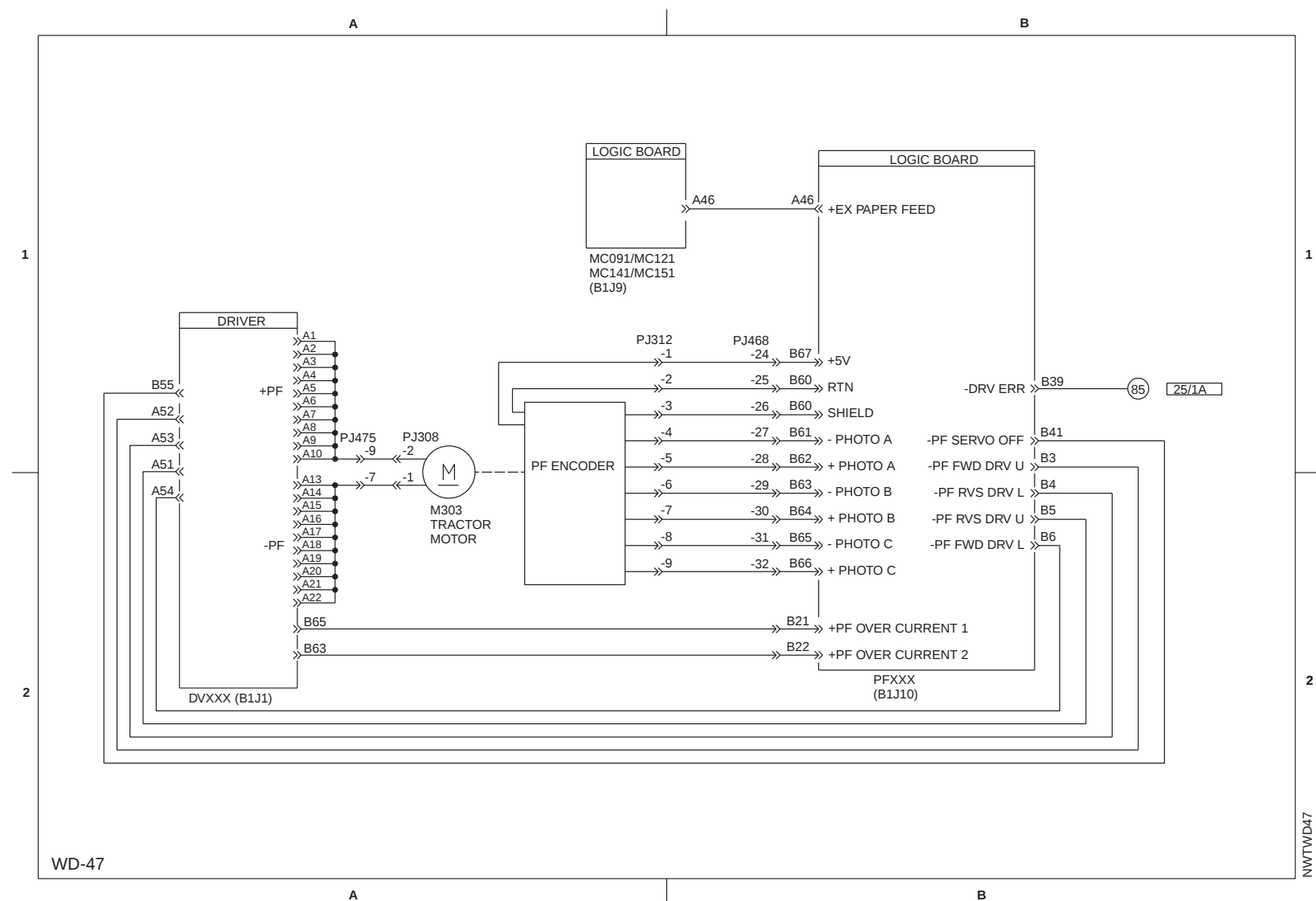
WD46.1 - Motor M201 (Switchable Printhead)



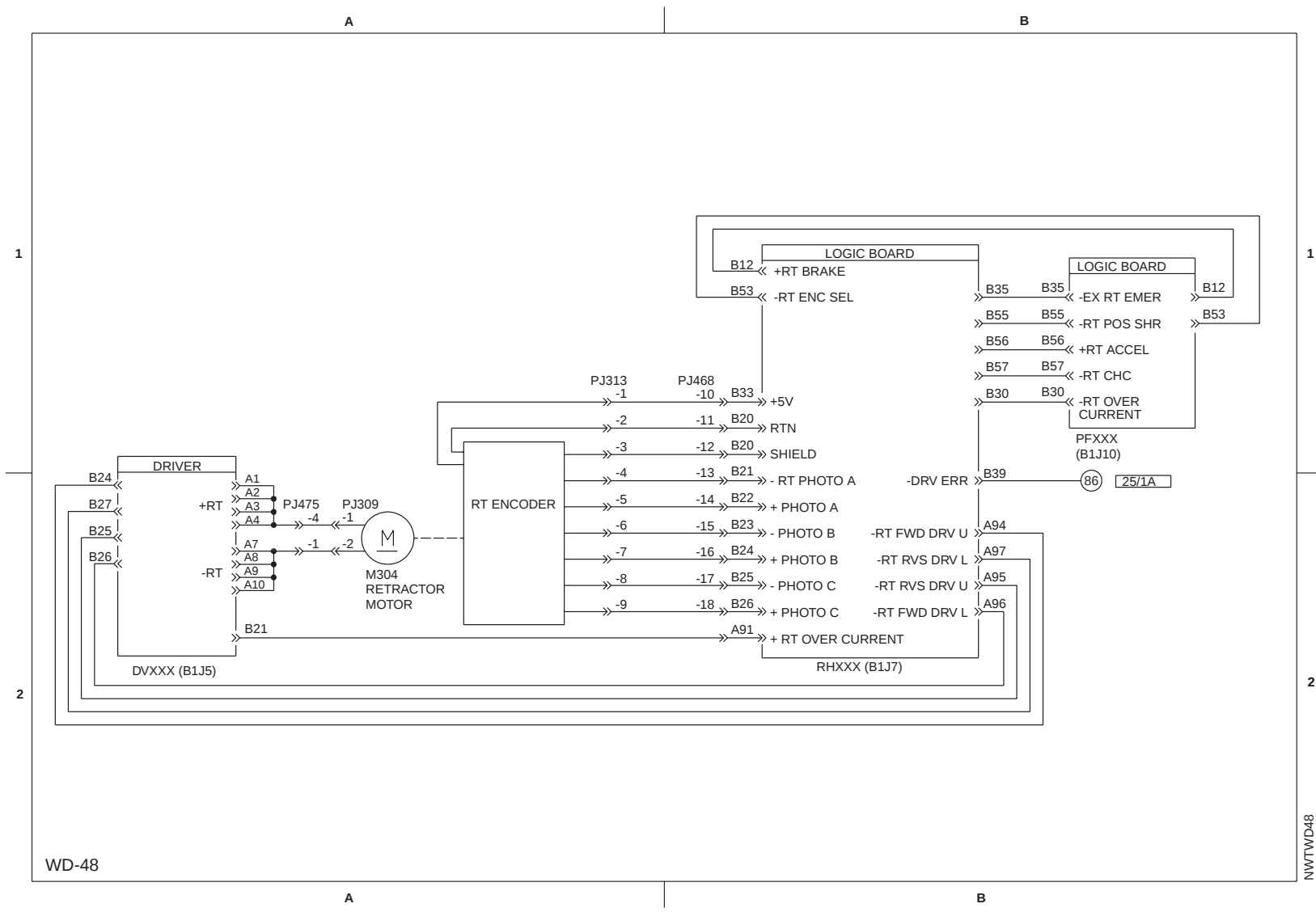
WD46.2 - Motor M202 / Sensor S202 (Switchable Printhead)



WD47 - Motor M303



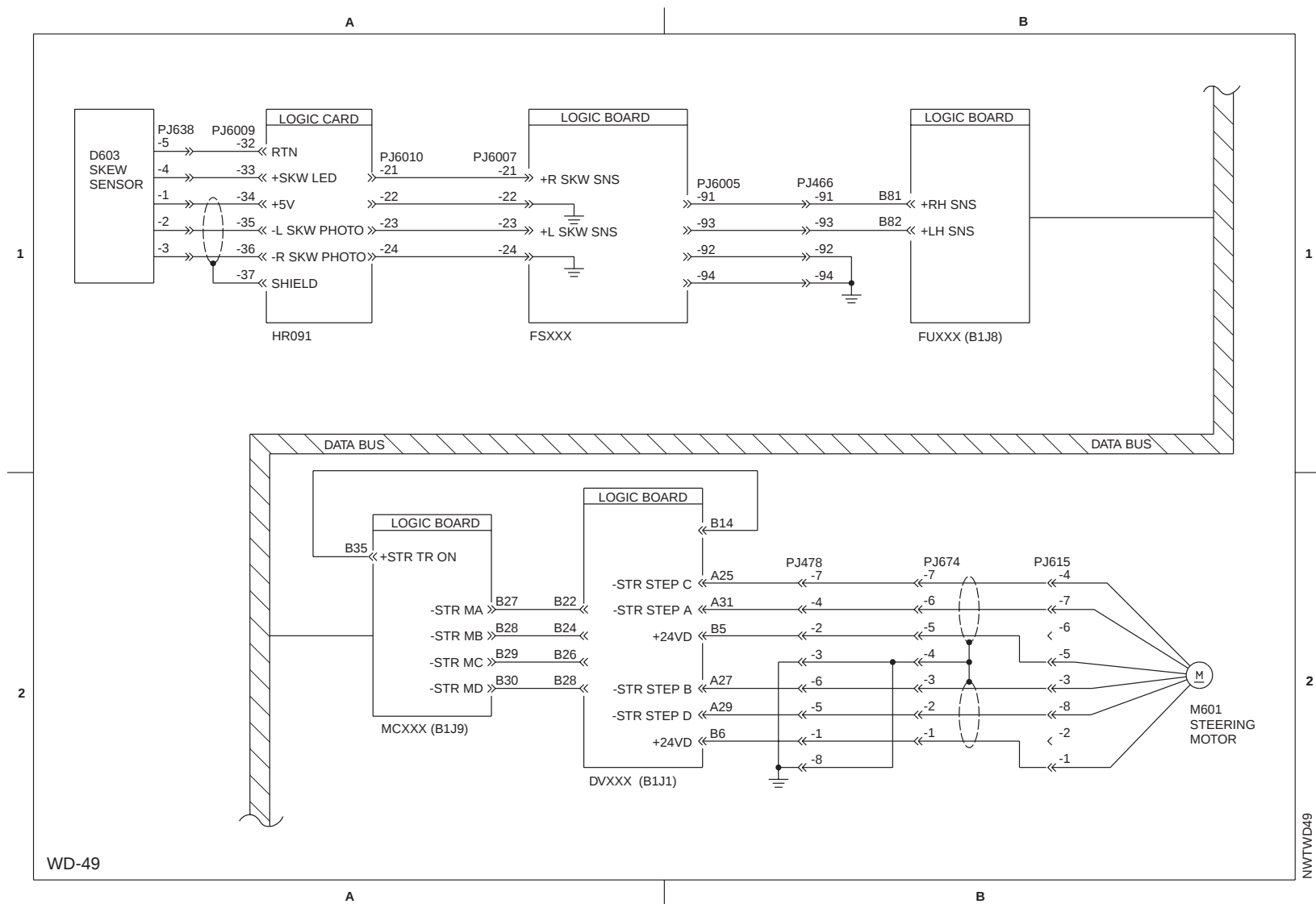
WD48 - Motor M304



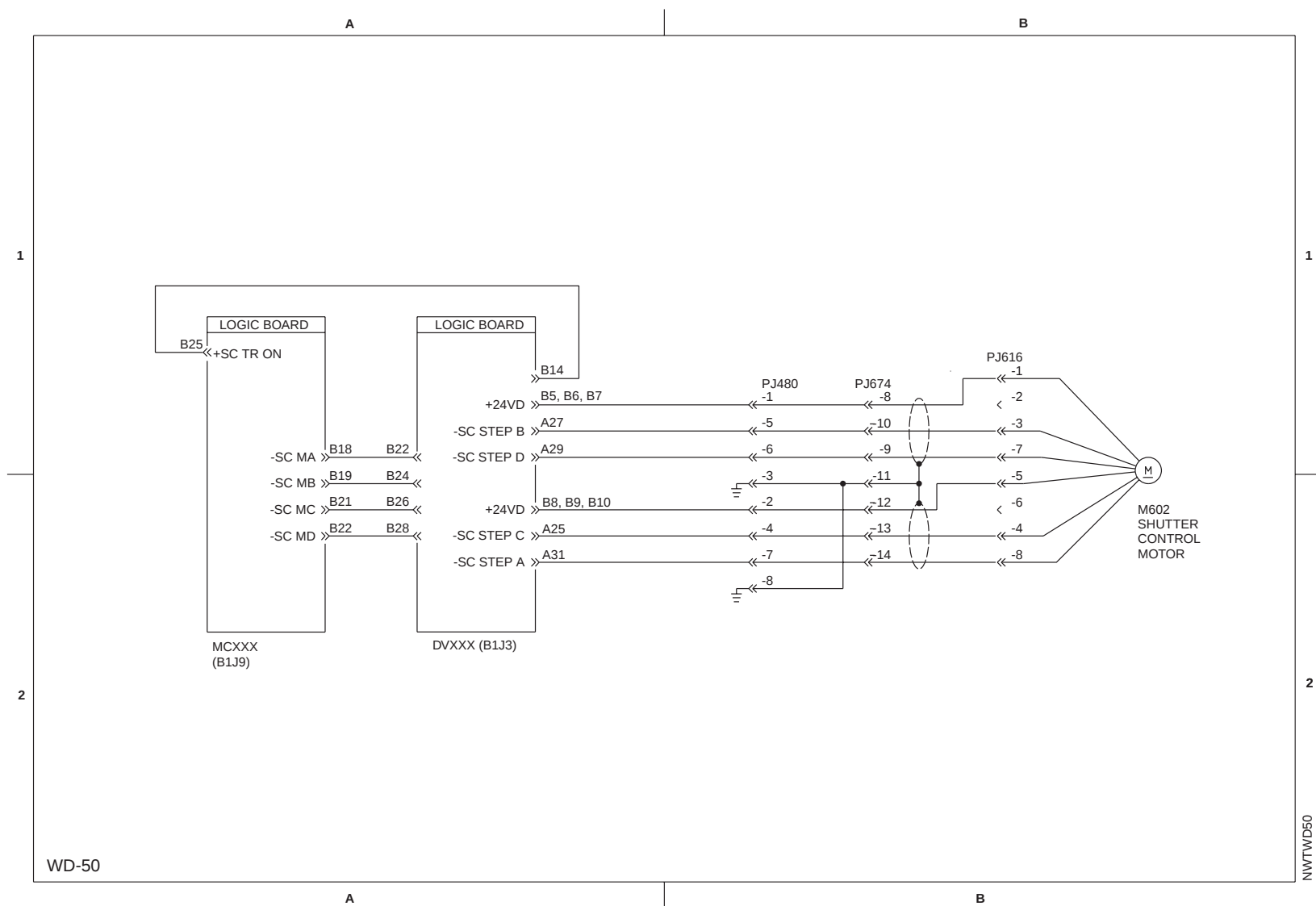
WD-48

NWTVWD48

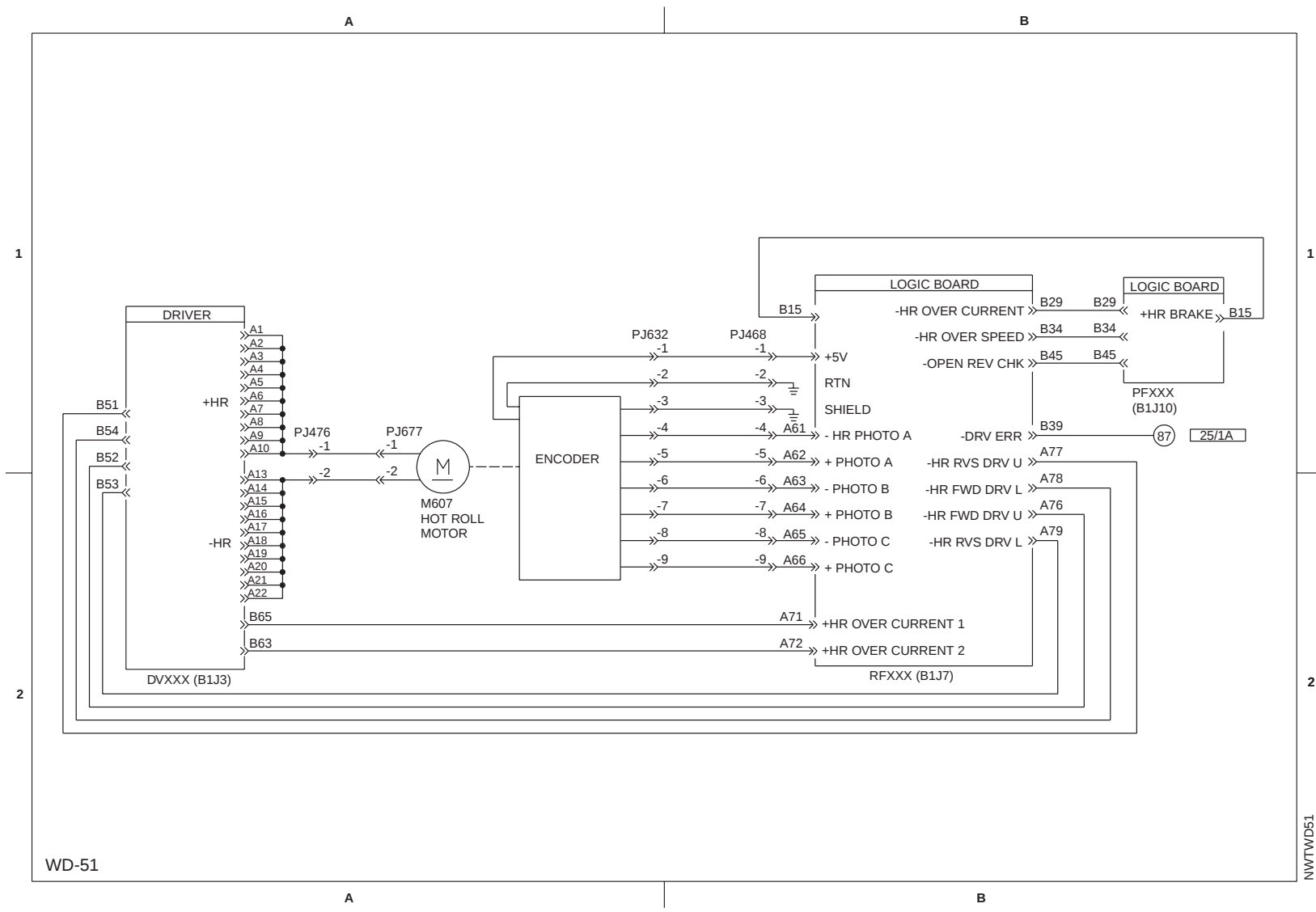
WD49 - Motor M601 and Skew Sensor



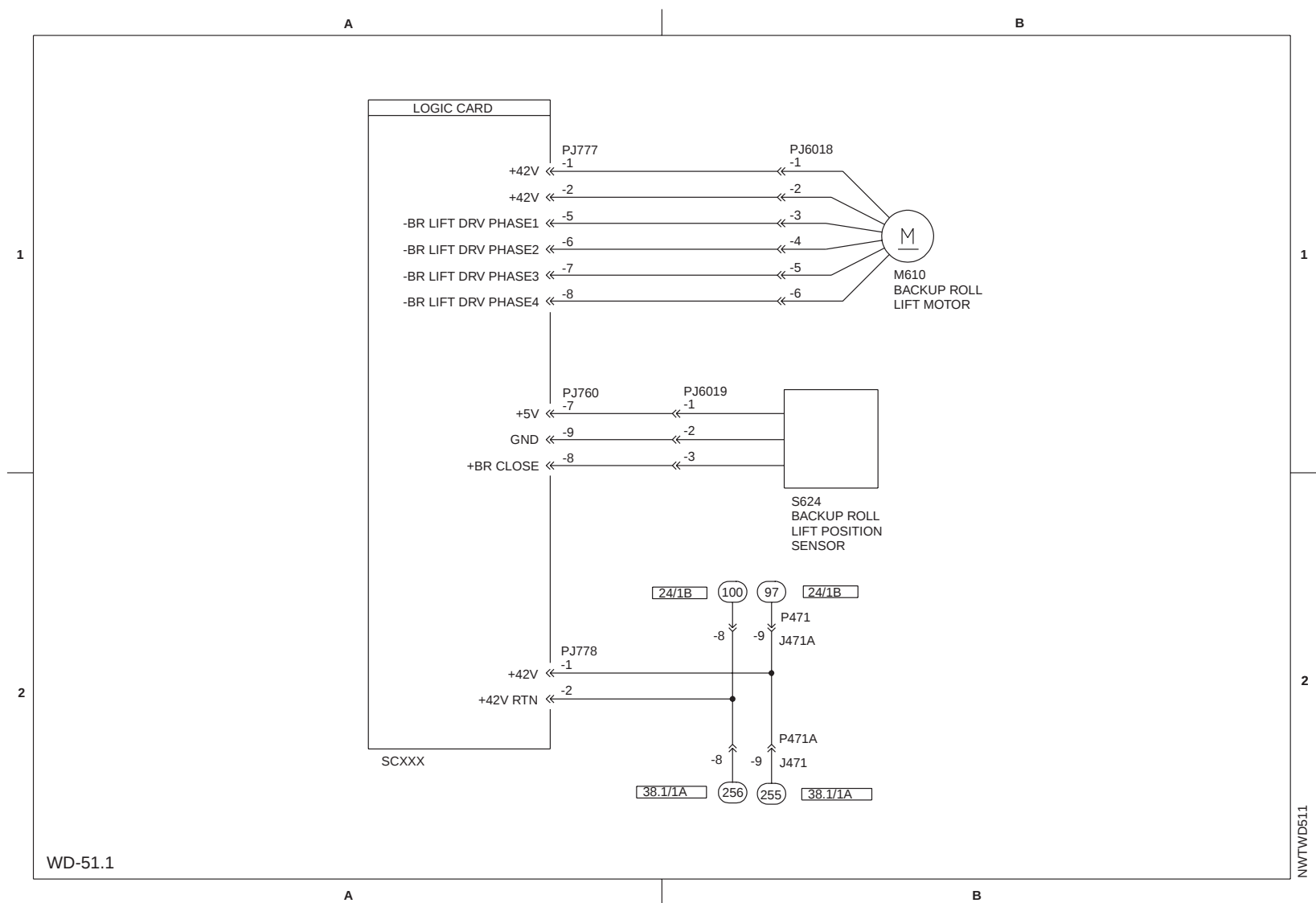
WD50 - Motor M602



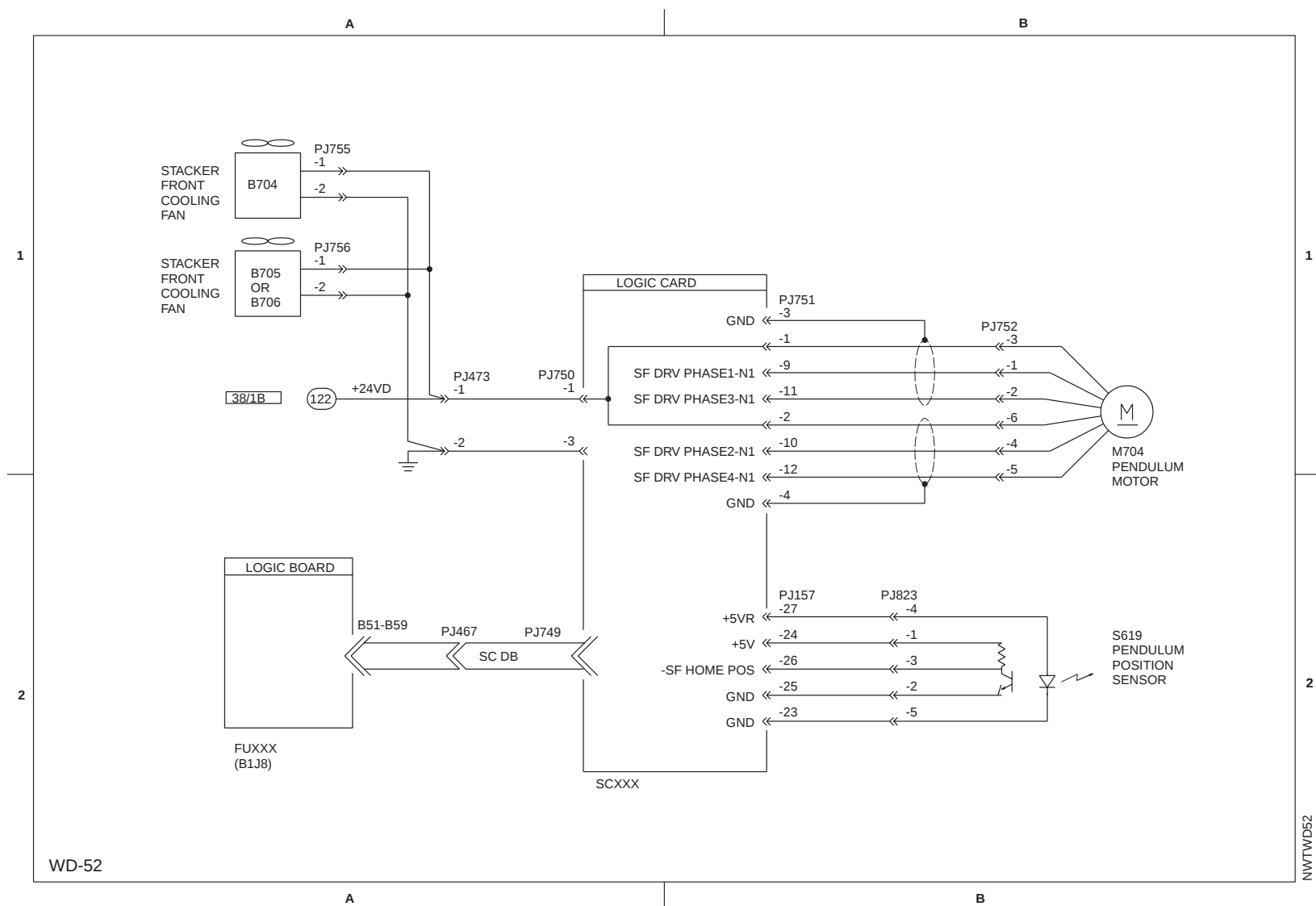
WD51 - Motor M607



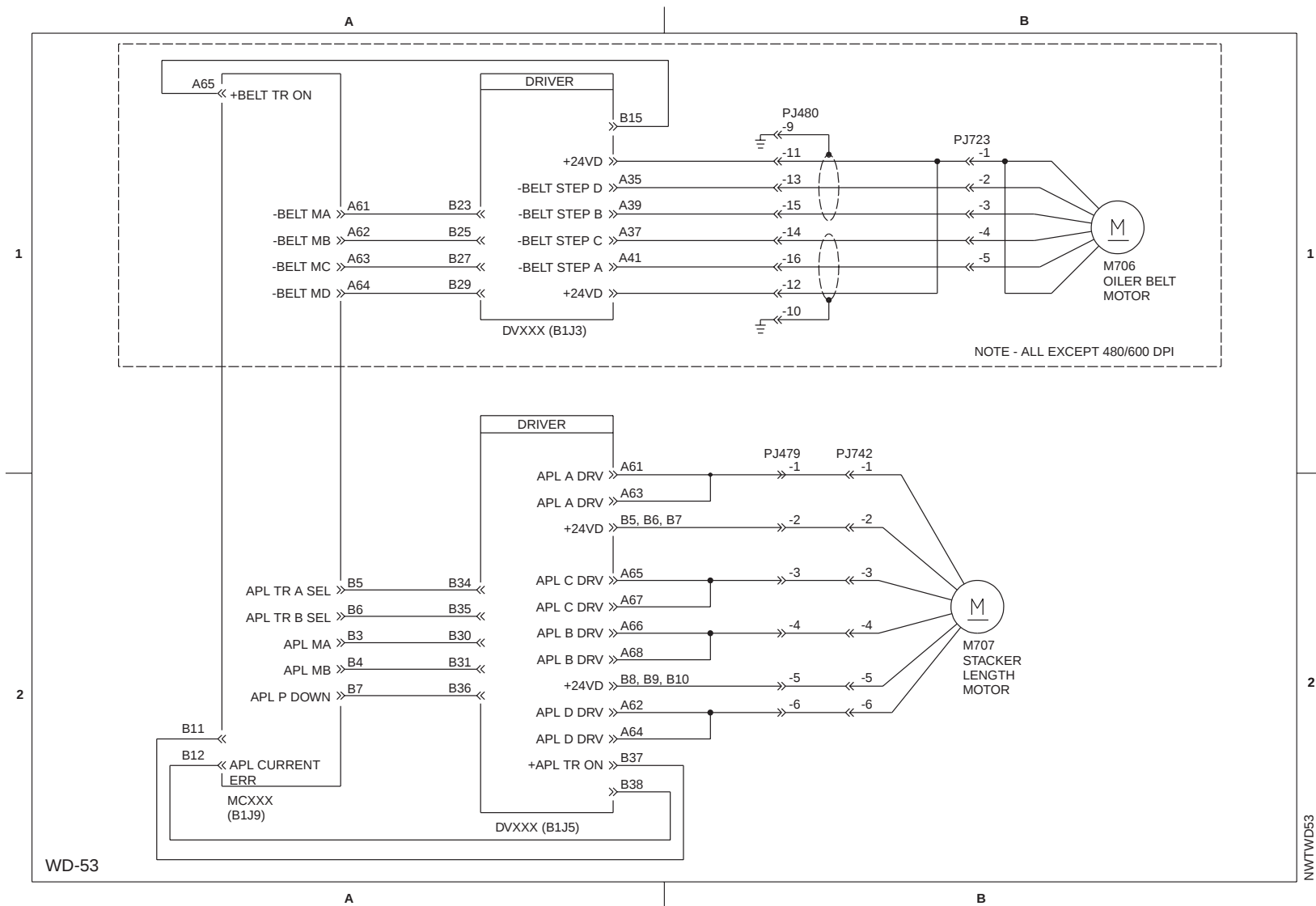
WD51.1 - Motor M610



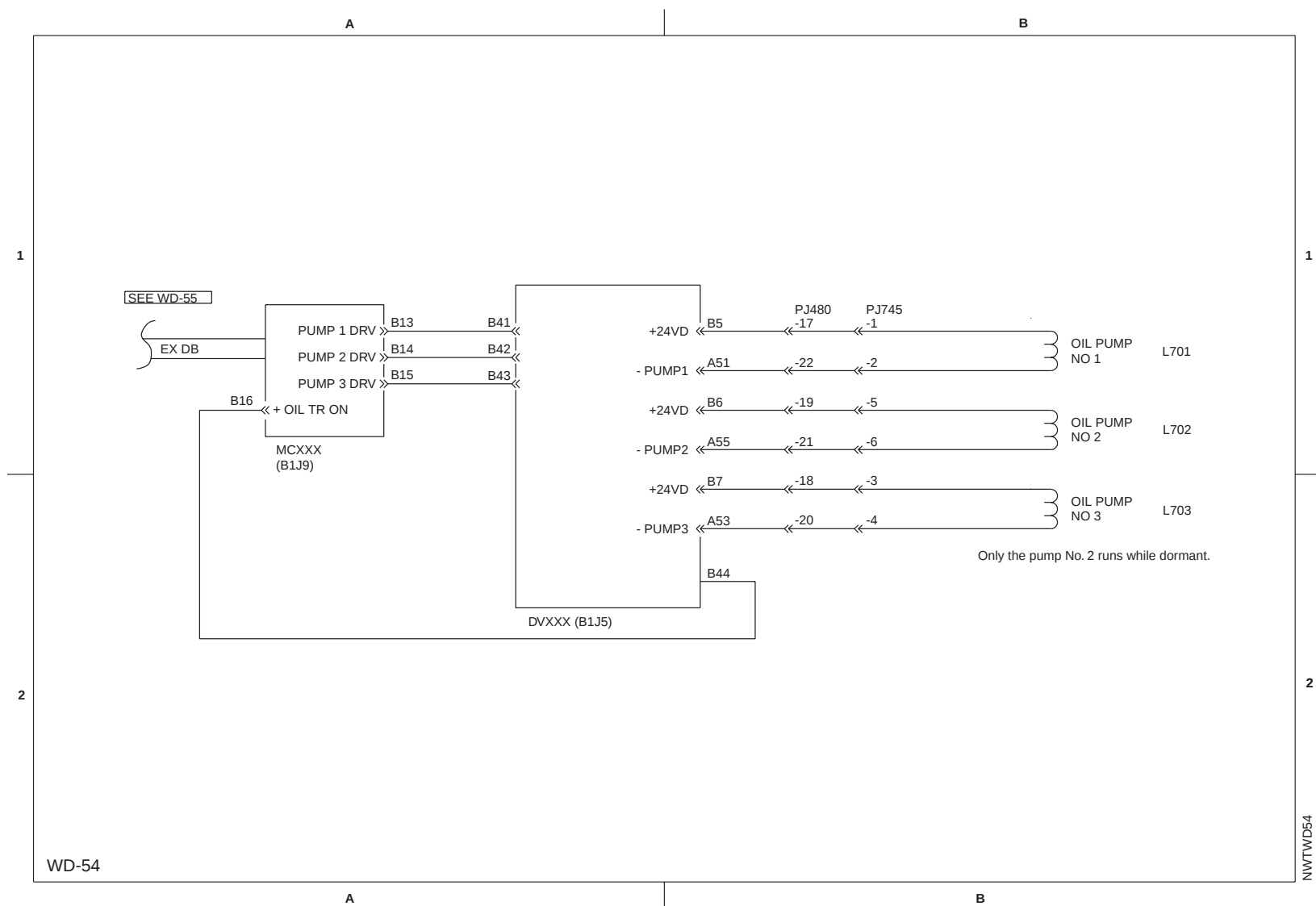
WD52 - Motor M704



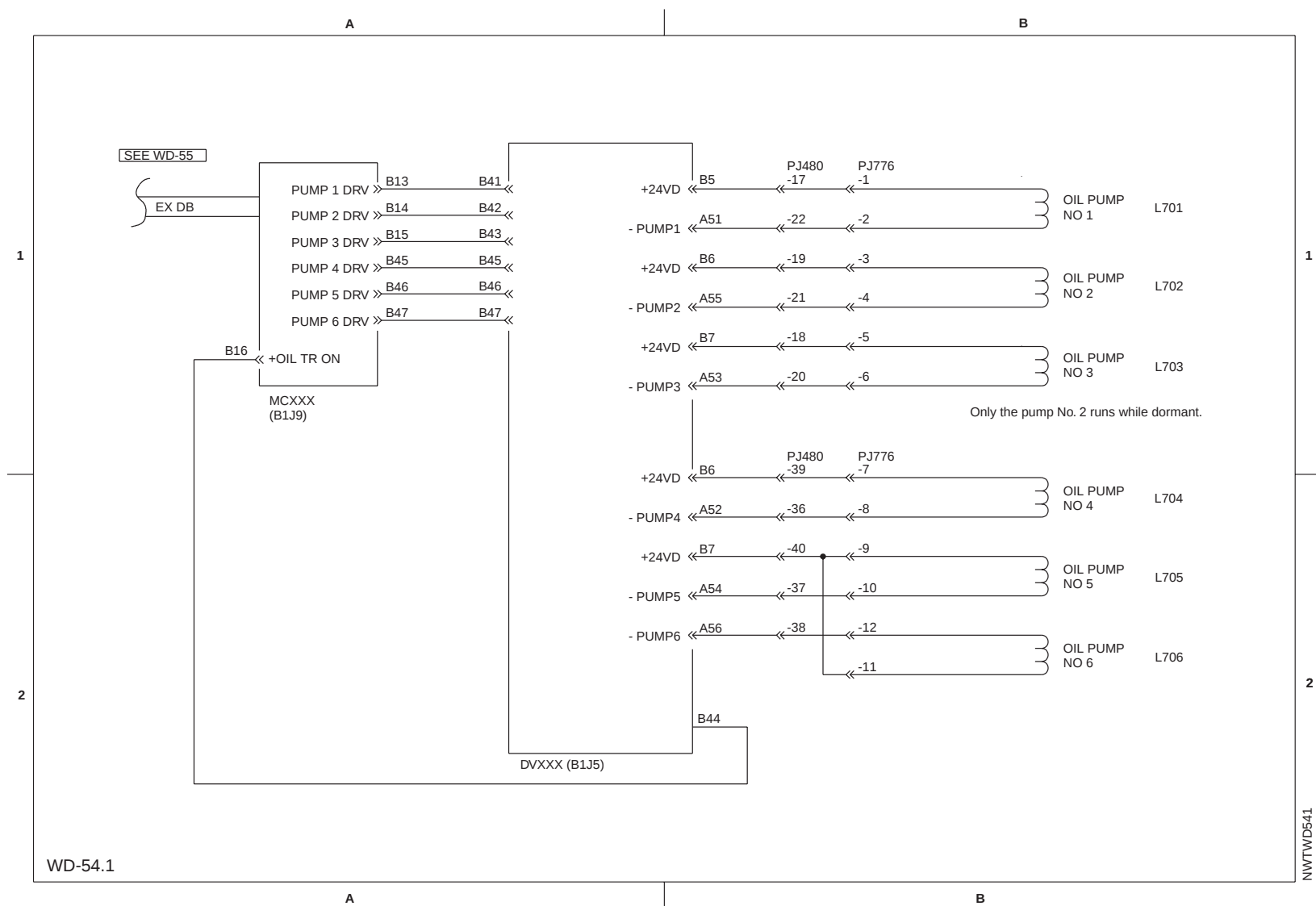
WD53 - Motors M706 and M707



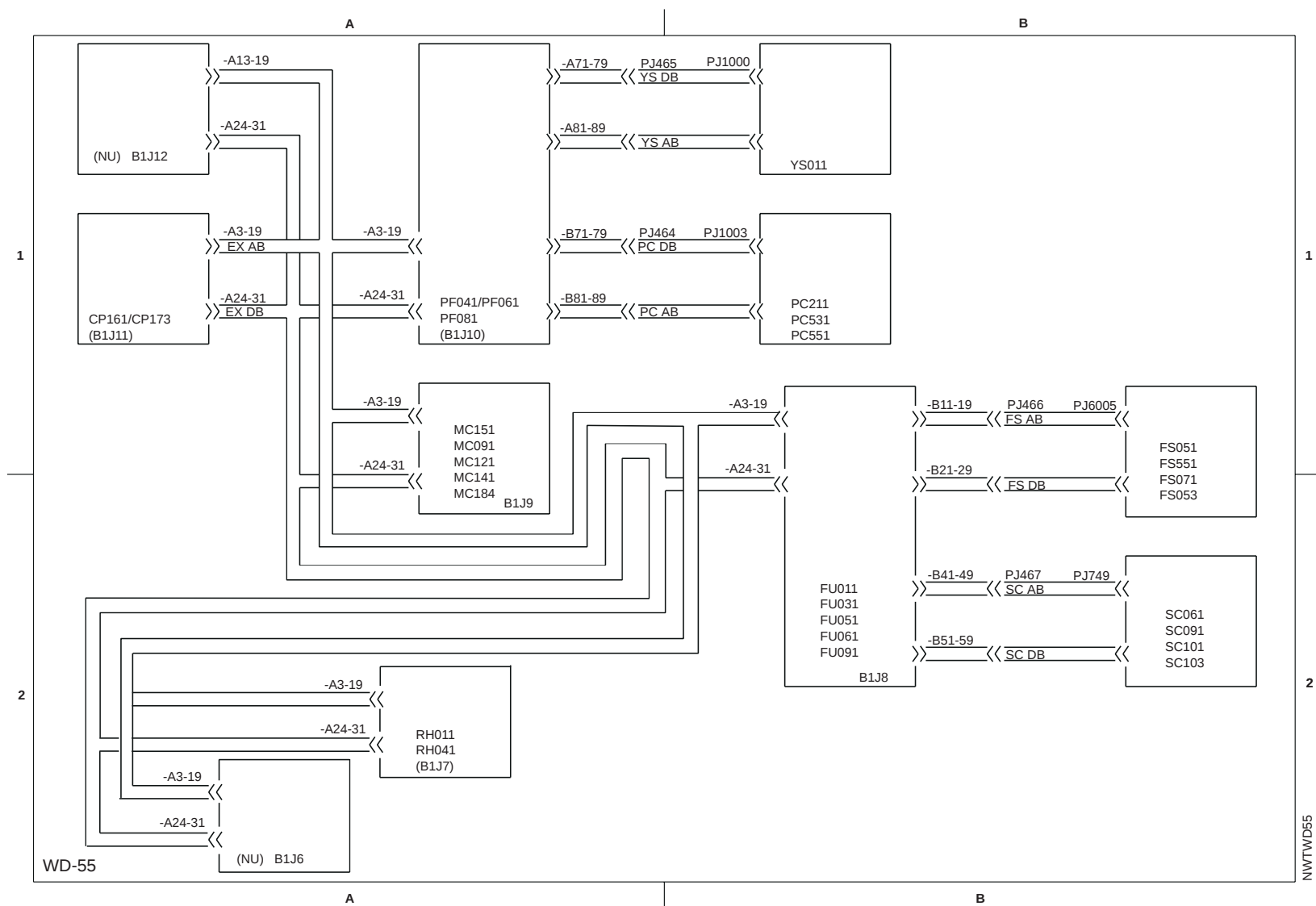
WD54 - Oil Pumps L701, L702 & L703



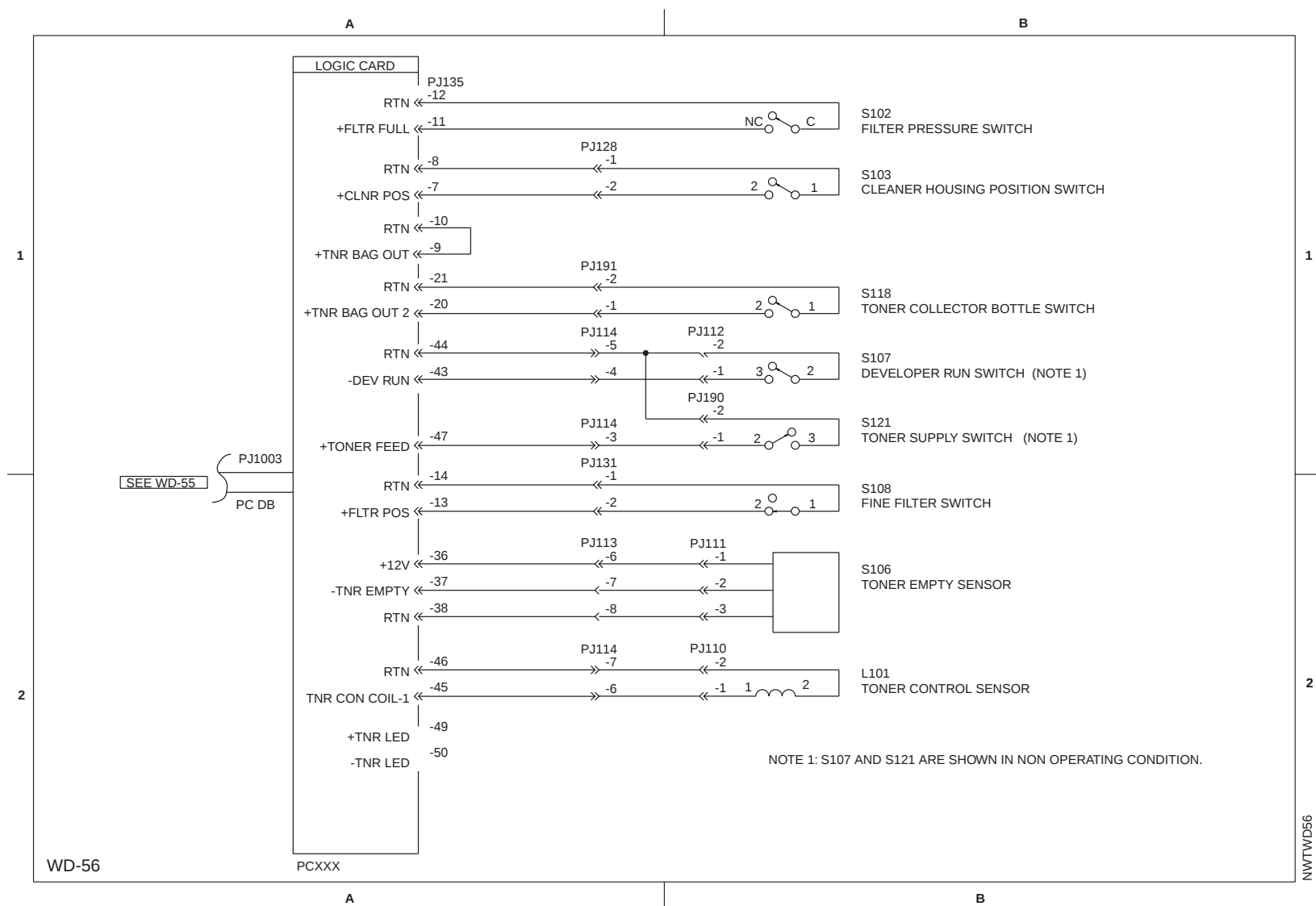
WD54.1 - Oil Pumps L701, L702, L703, L704, L705, & L706



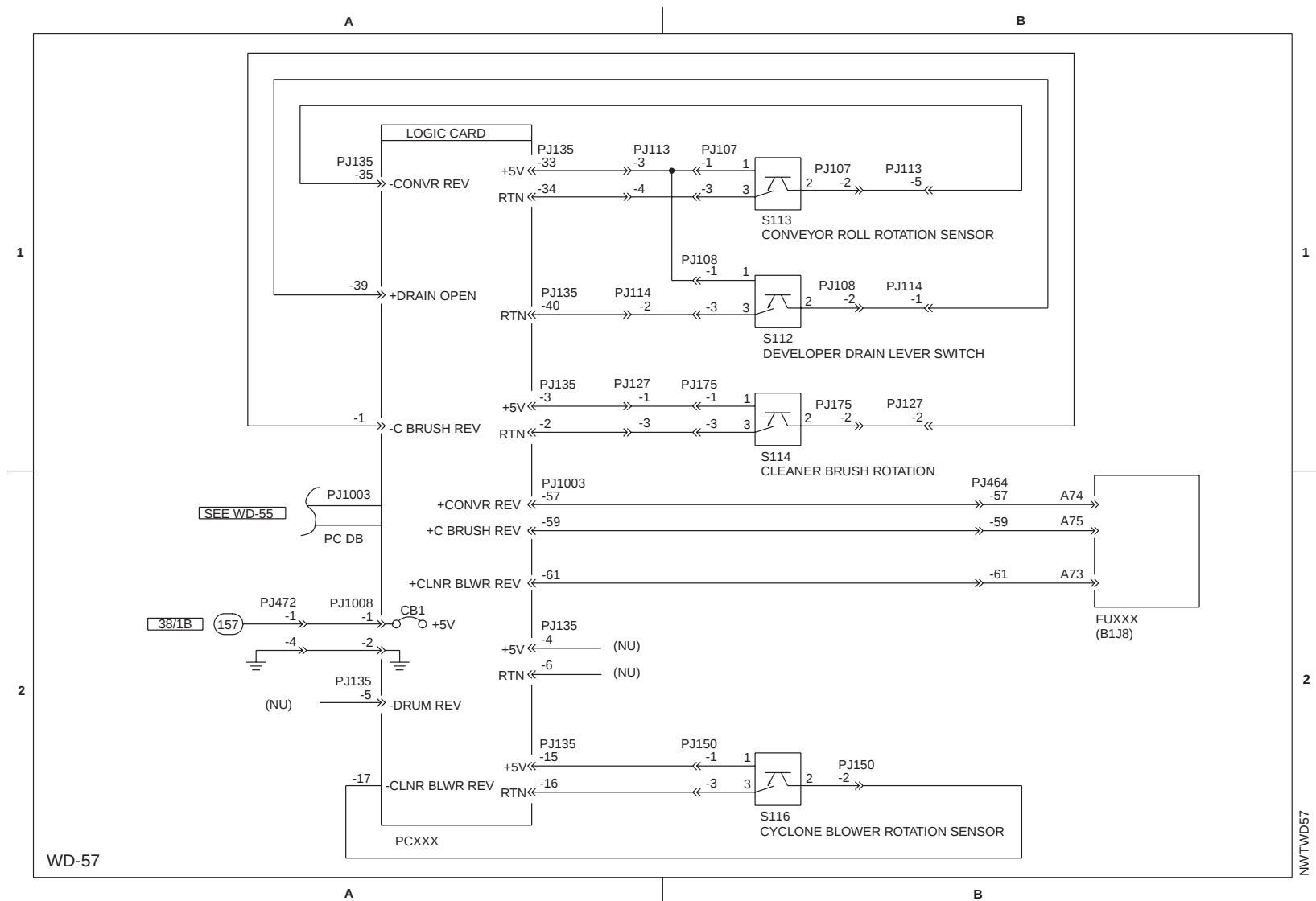
WD55 - Address/Data Bus Networks



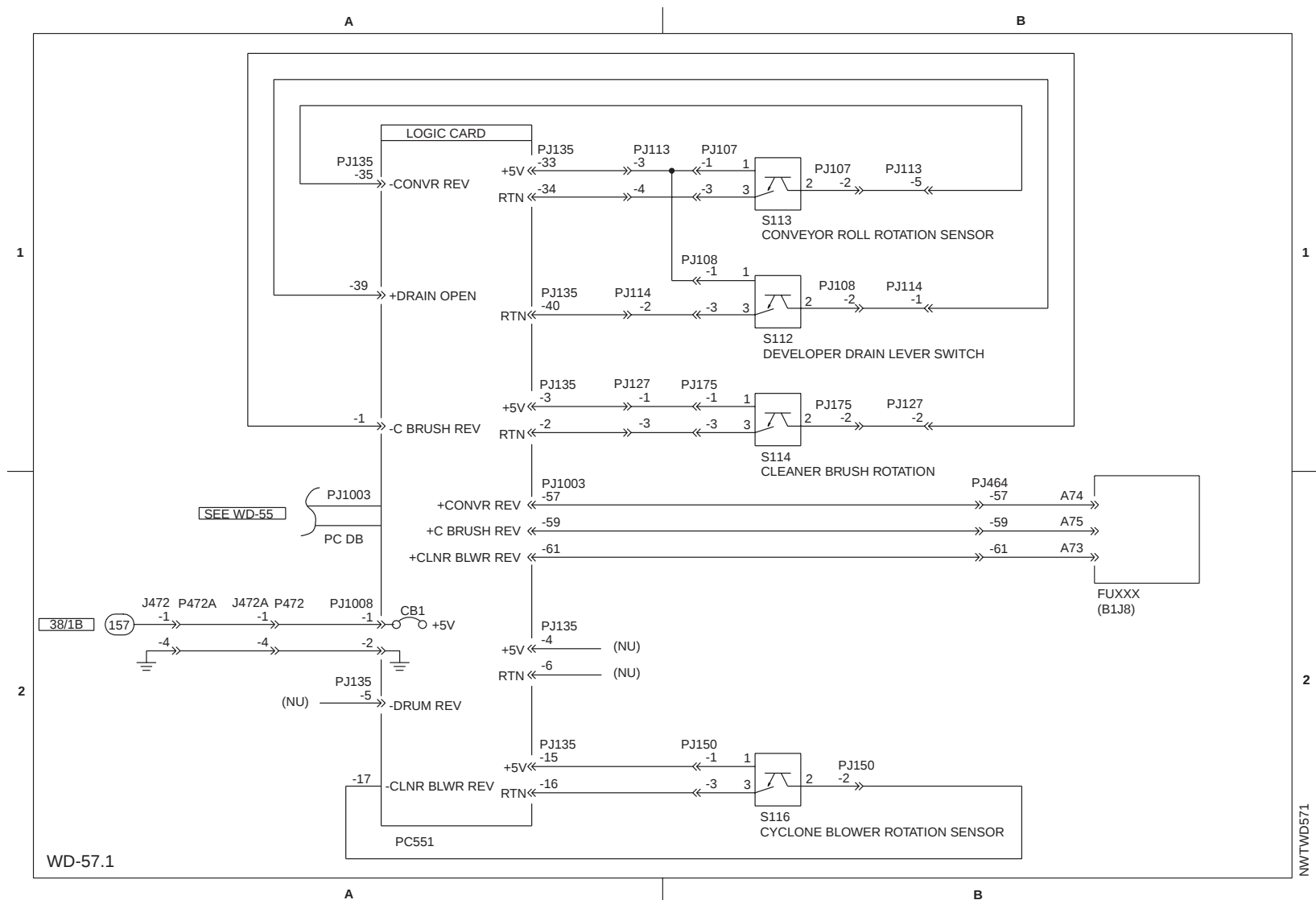
WD56 - Process Sensors and Switches (PC211, PC531, & PC551 cards)



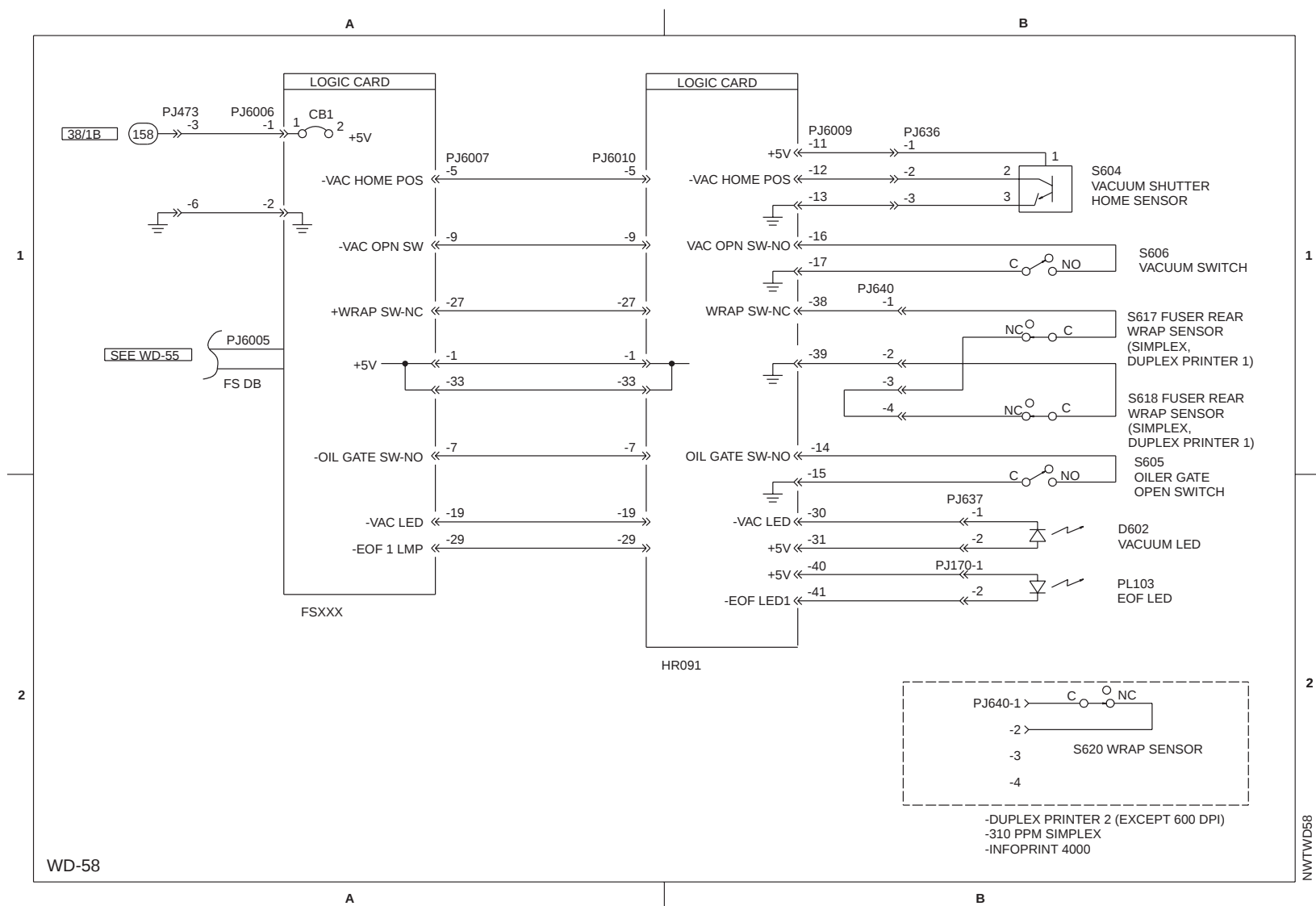
WD57- Process Sensors (S112, S113, S114, & S116) (PCxxx card) (Fixed Resolution Printhead)



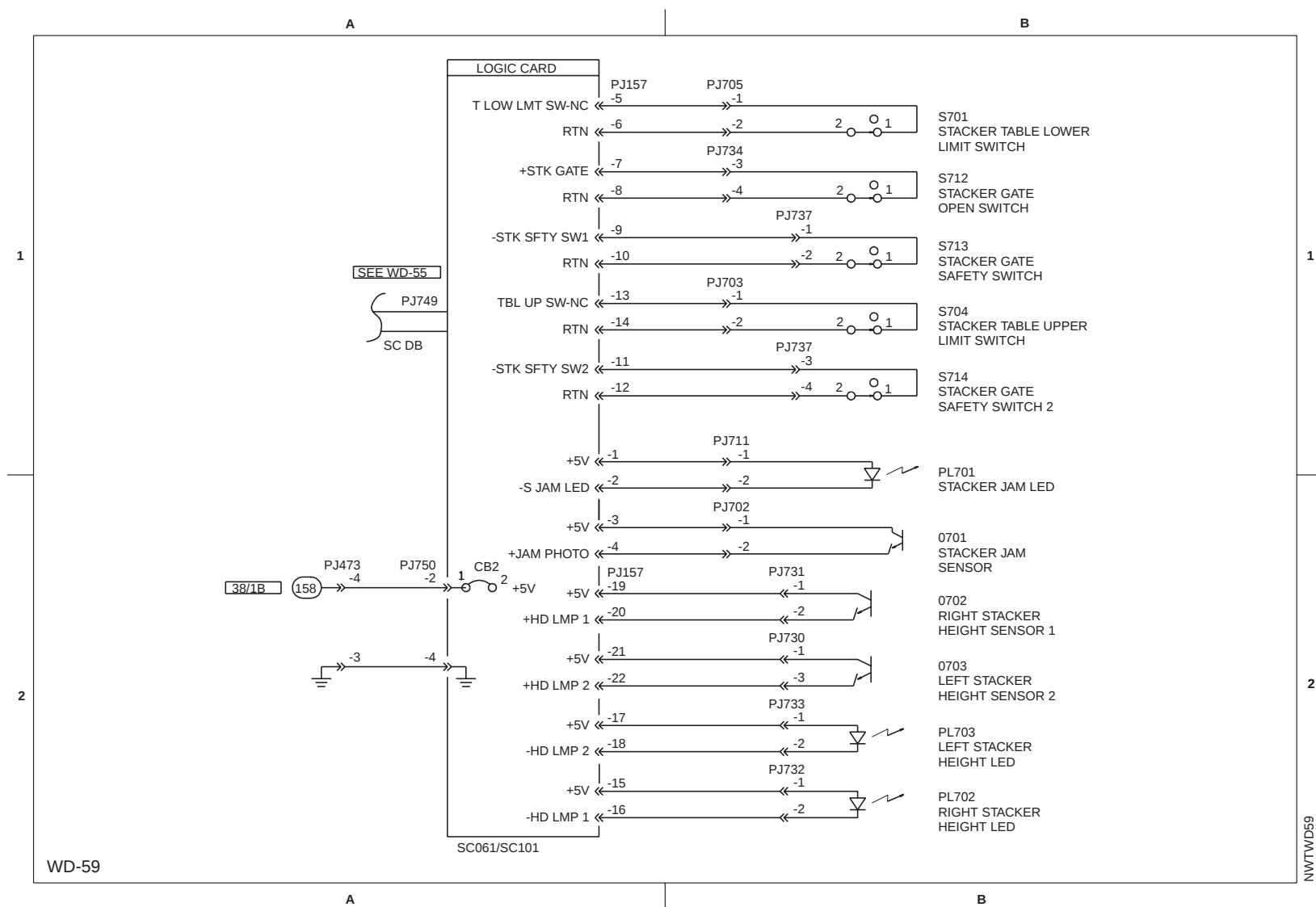
WD57.1 - Process Sensors (S112, S113, S114, & S116) (PCxxx card) (Switchable Resolution Printhead)



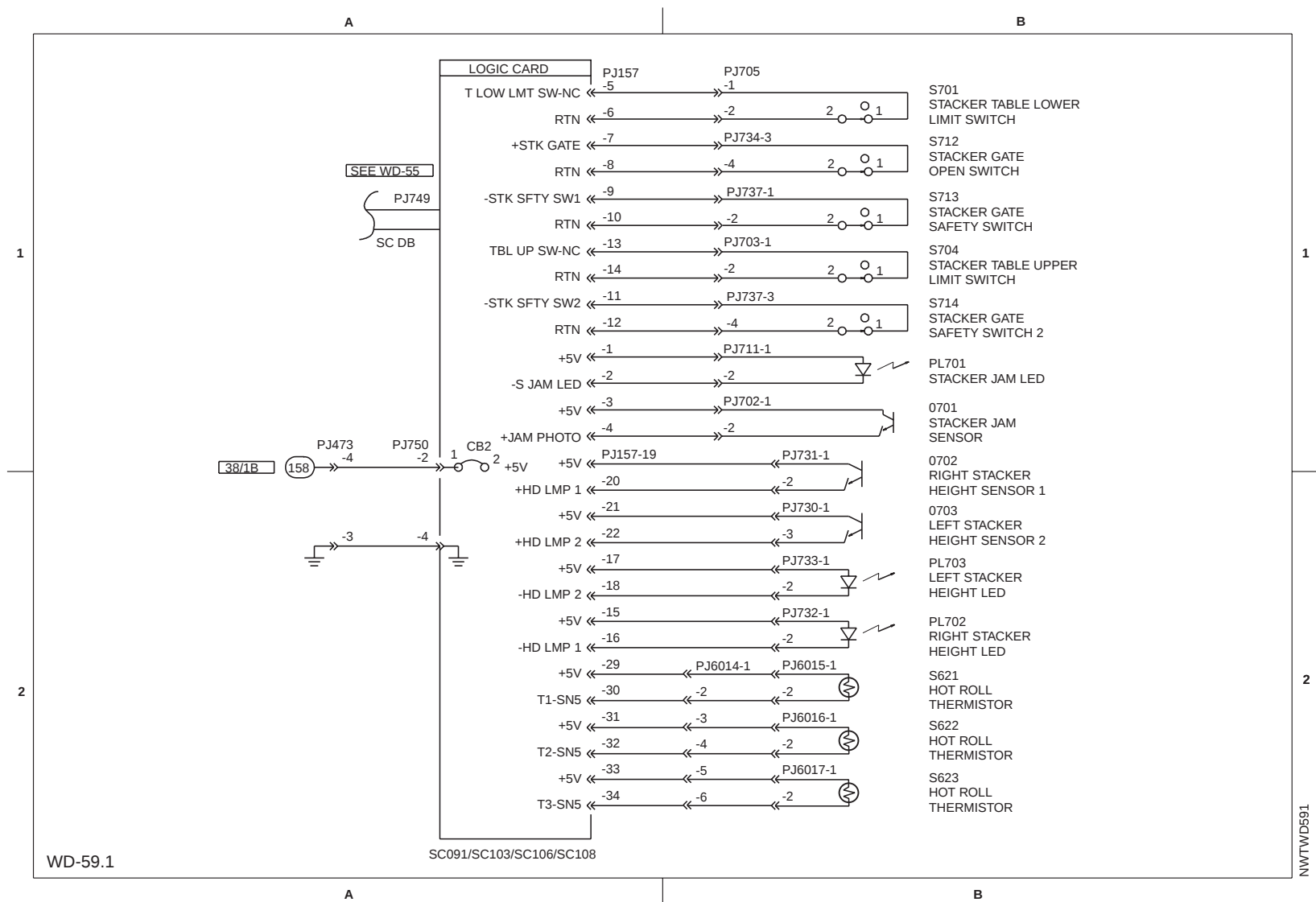
WD58 - Fuser and Stacker Sensors (FSxxx & HR091)



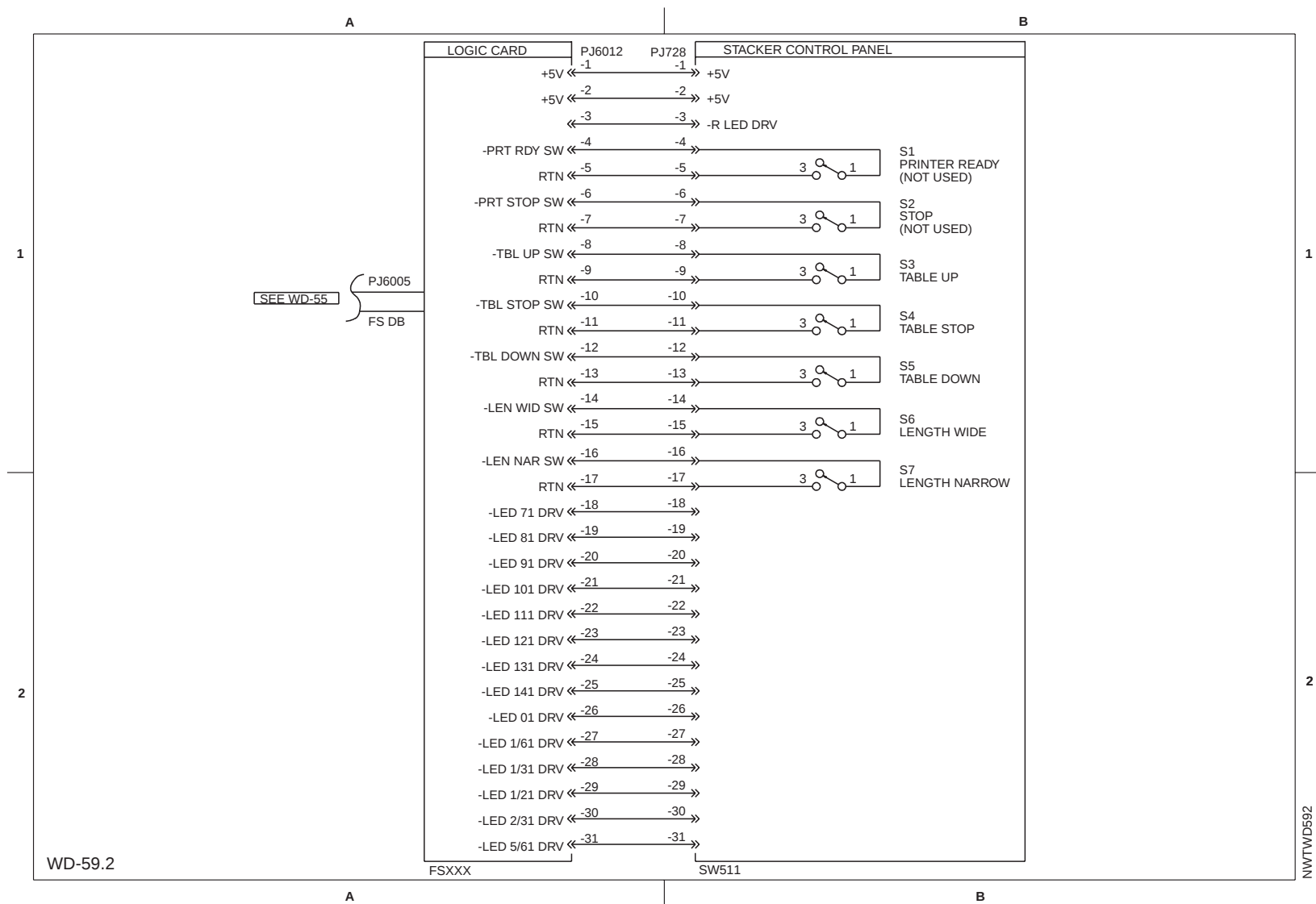
WD59 - Stacker Sensors and EOF Lamps (SC061 & SC101)



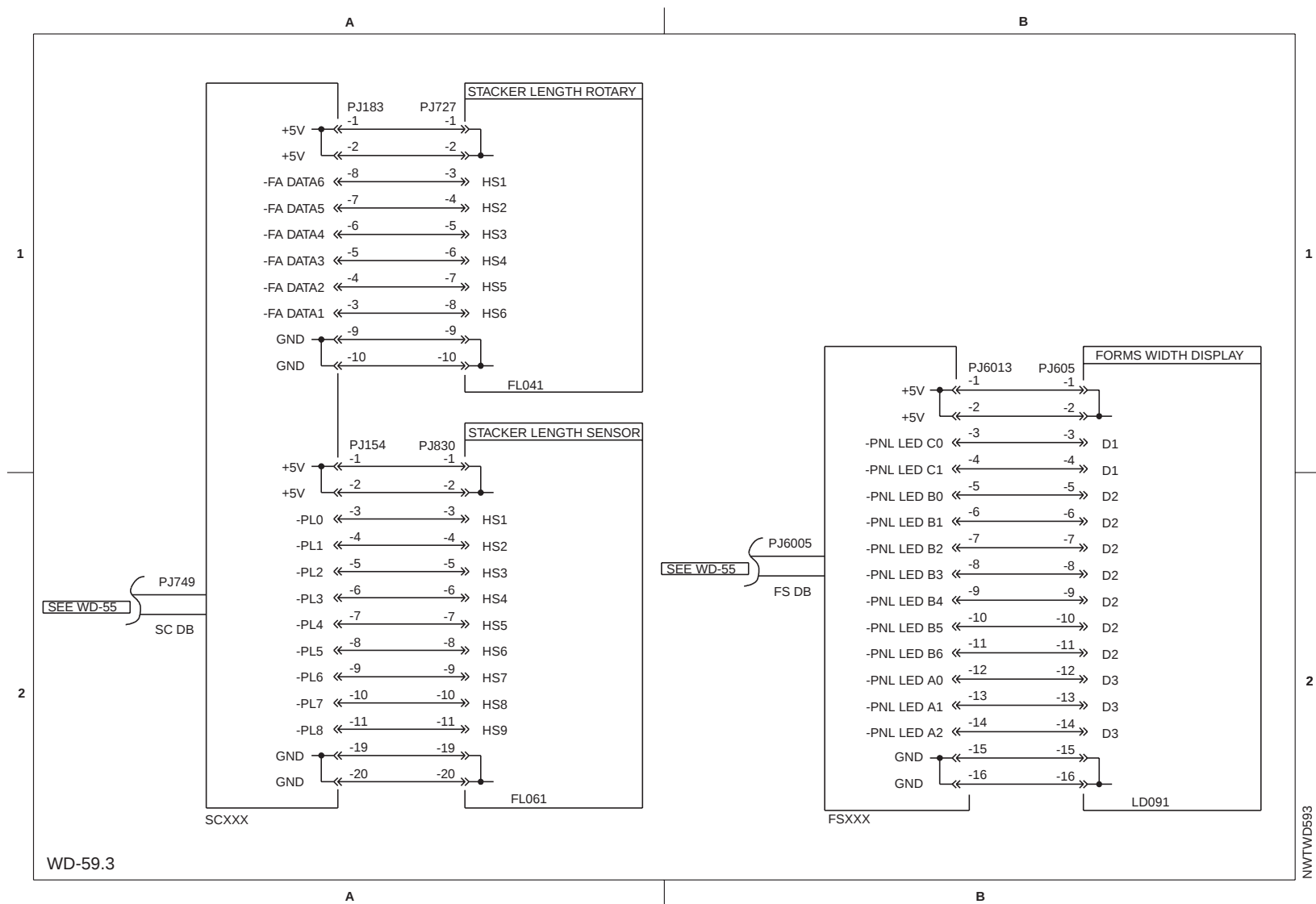
WD59.1 - Stacker Sensors and EOF Lamps (SC091, SC103, SC106, & SC108 Card)



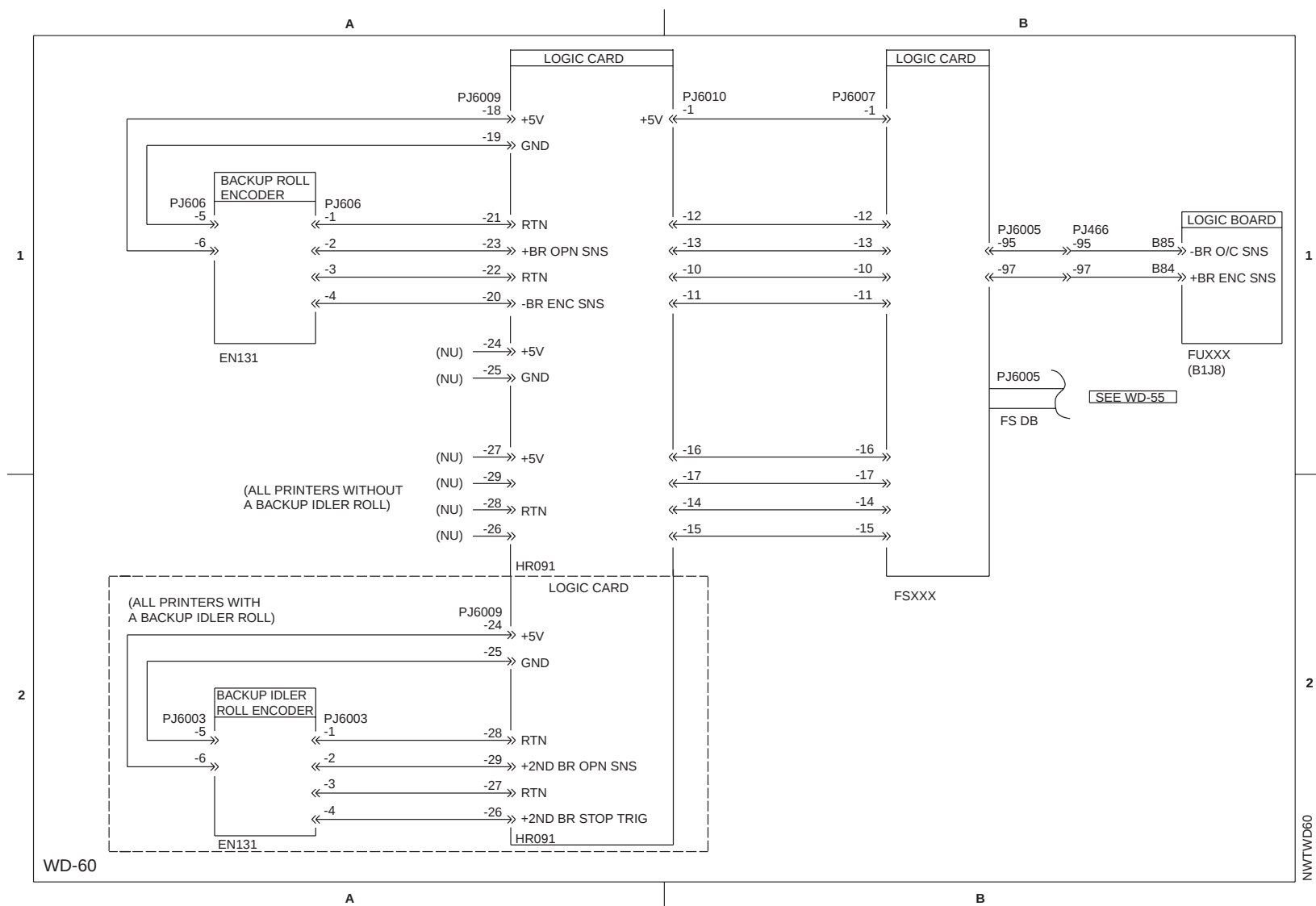
WD59.2 - Stacker Switch Panel (SW511 & FSxxx Card)



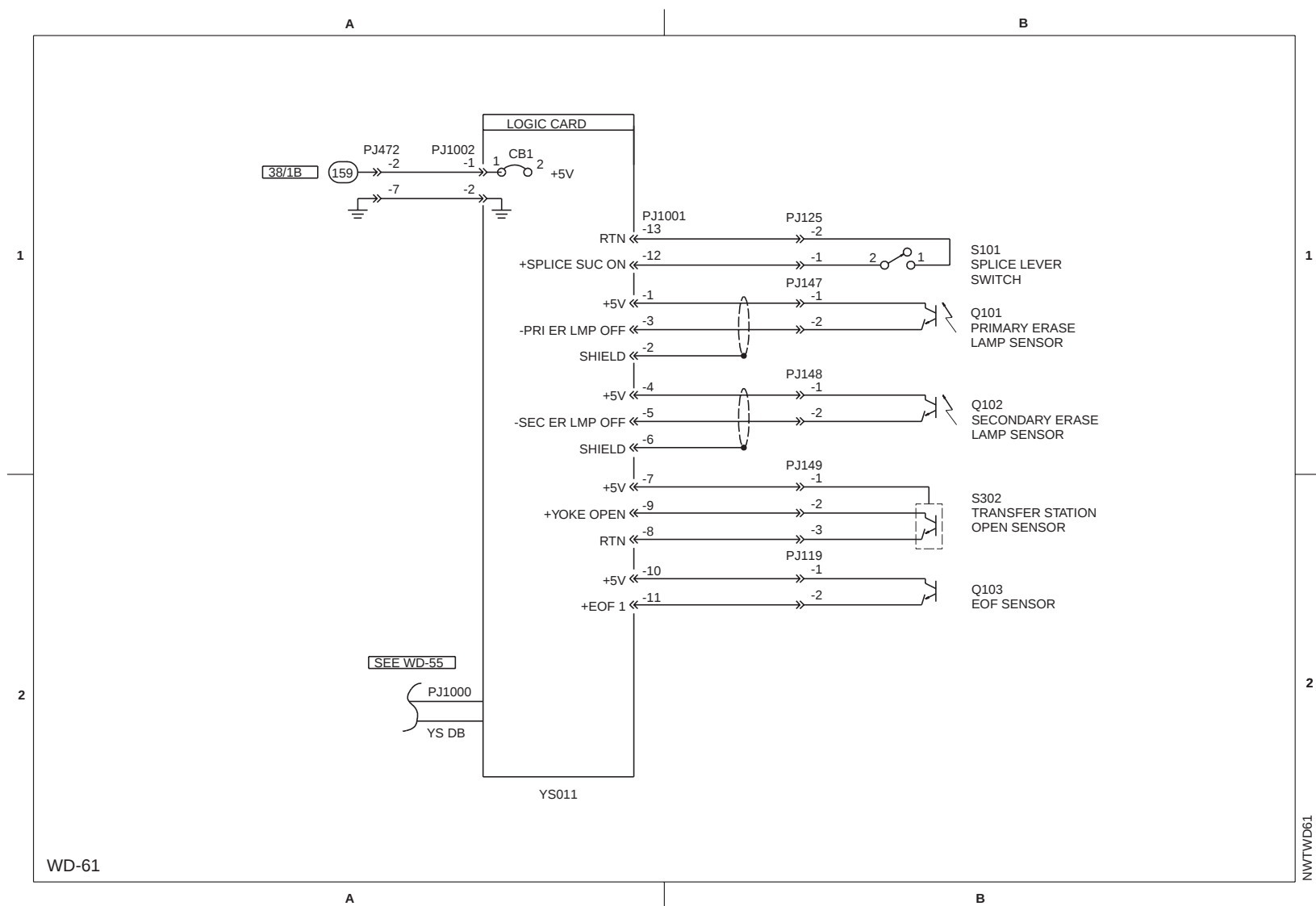
WD59.3 - Stacker Switch Panel (Forms Length & Width Cards)



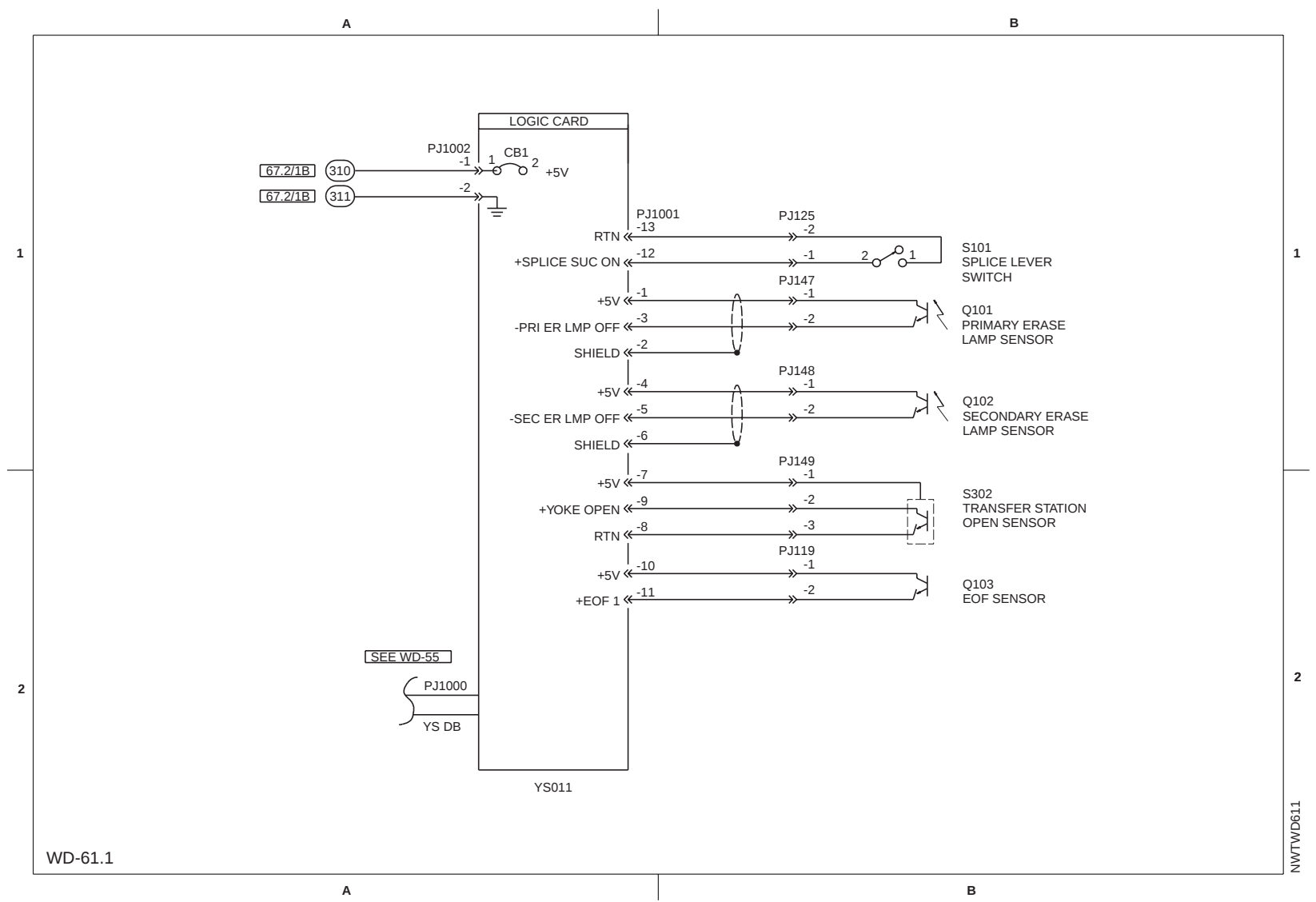
WD60 - Backup Roll and Backup Idler Roll Encoders (HR091 & FSxxx Cards)



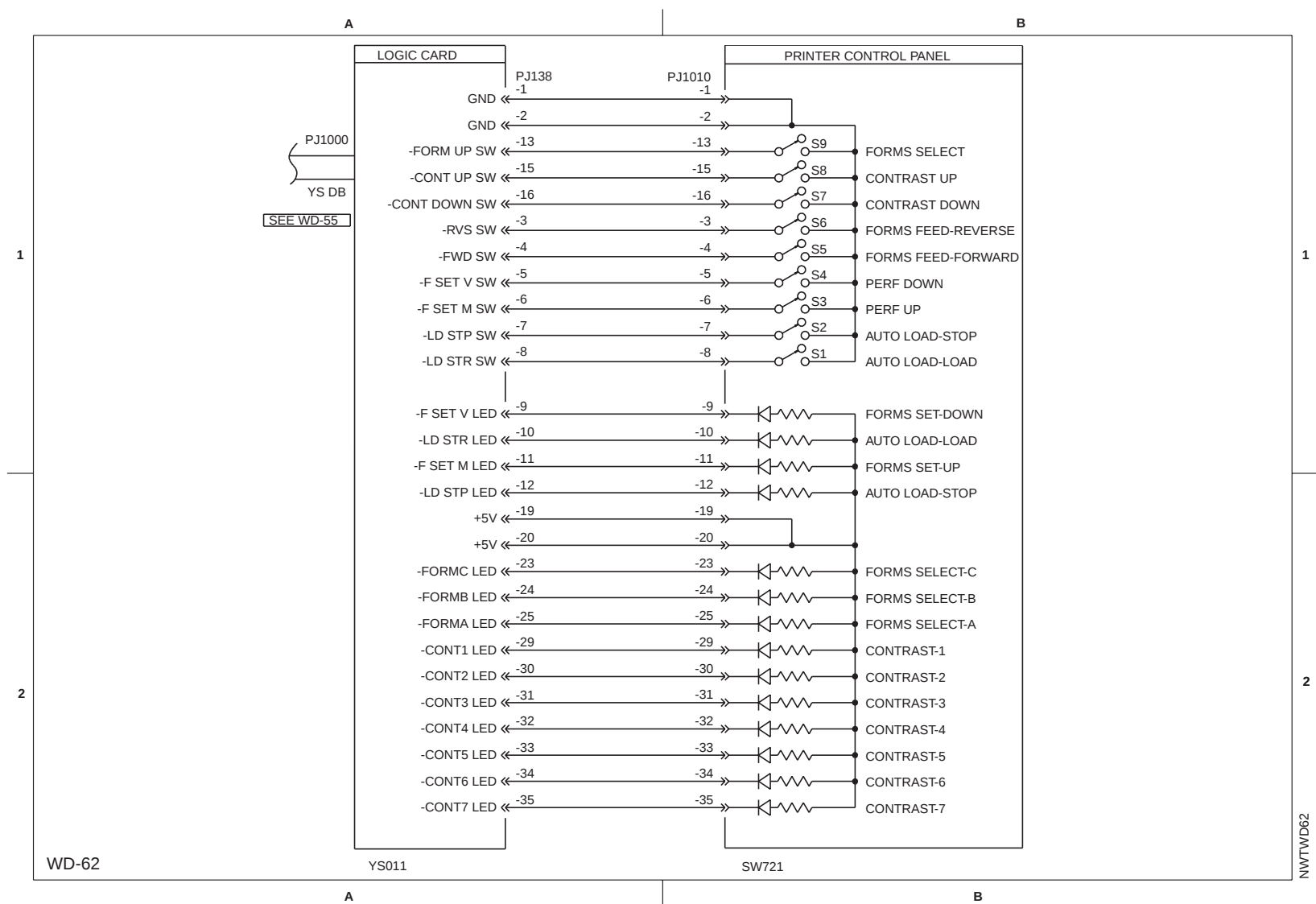
WD61 - Switches and Sensors (YS011 Card) (Fixed Resolution Printhead)



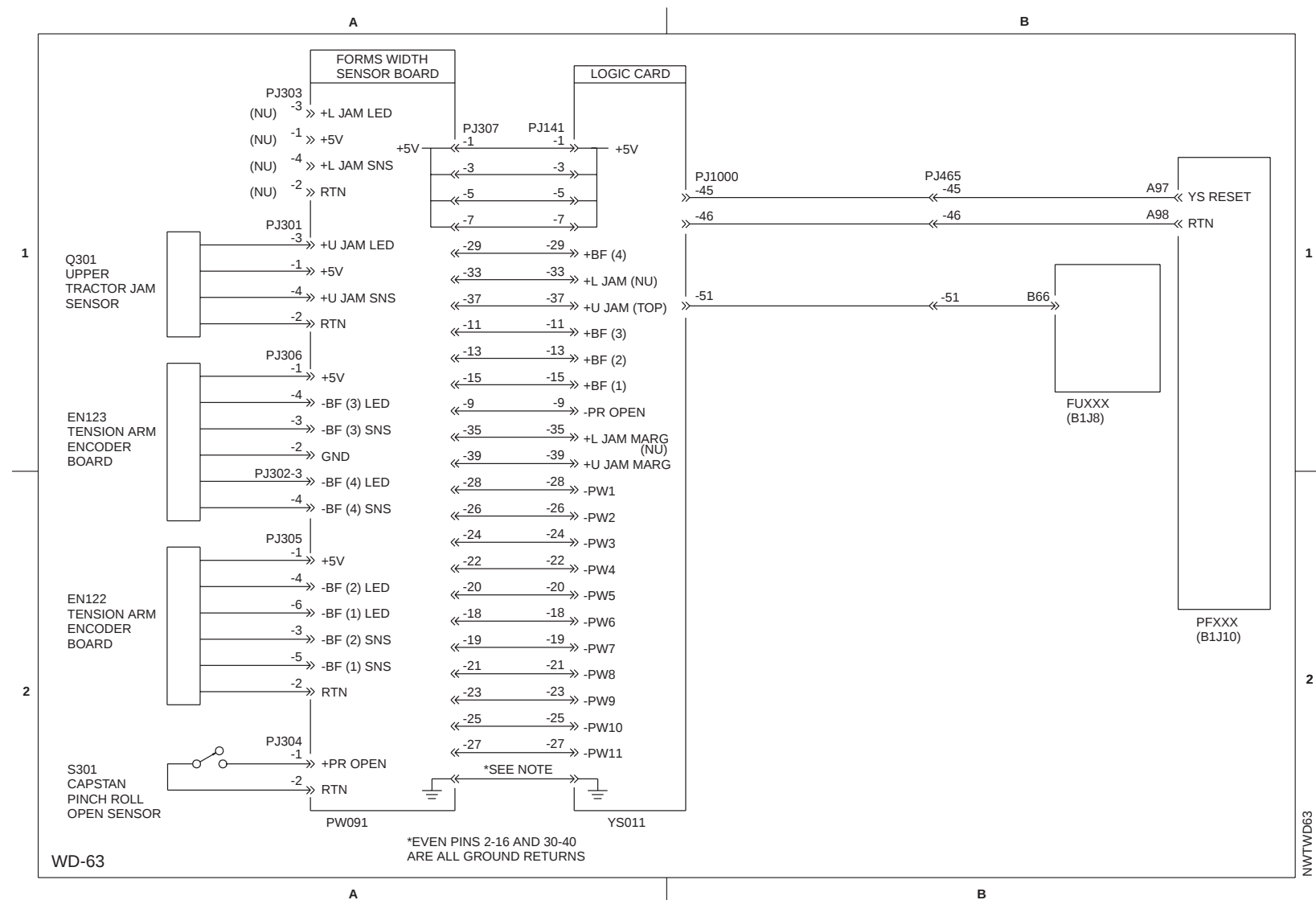
WD61.1 - Switches and Sensors (YS011 Card) (Switchable Resolution Printhead)



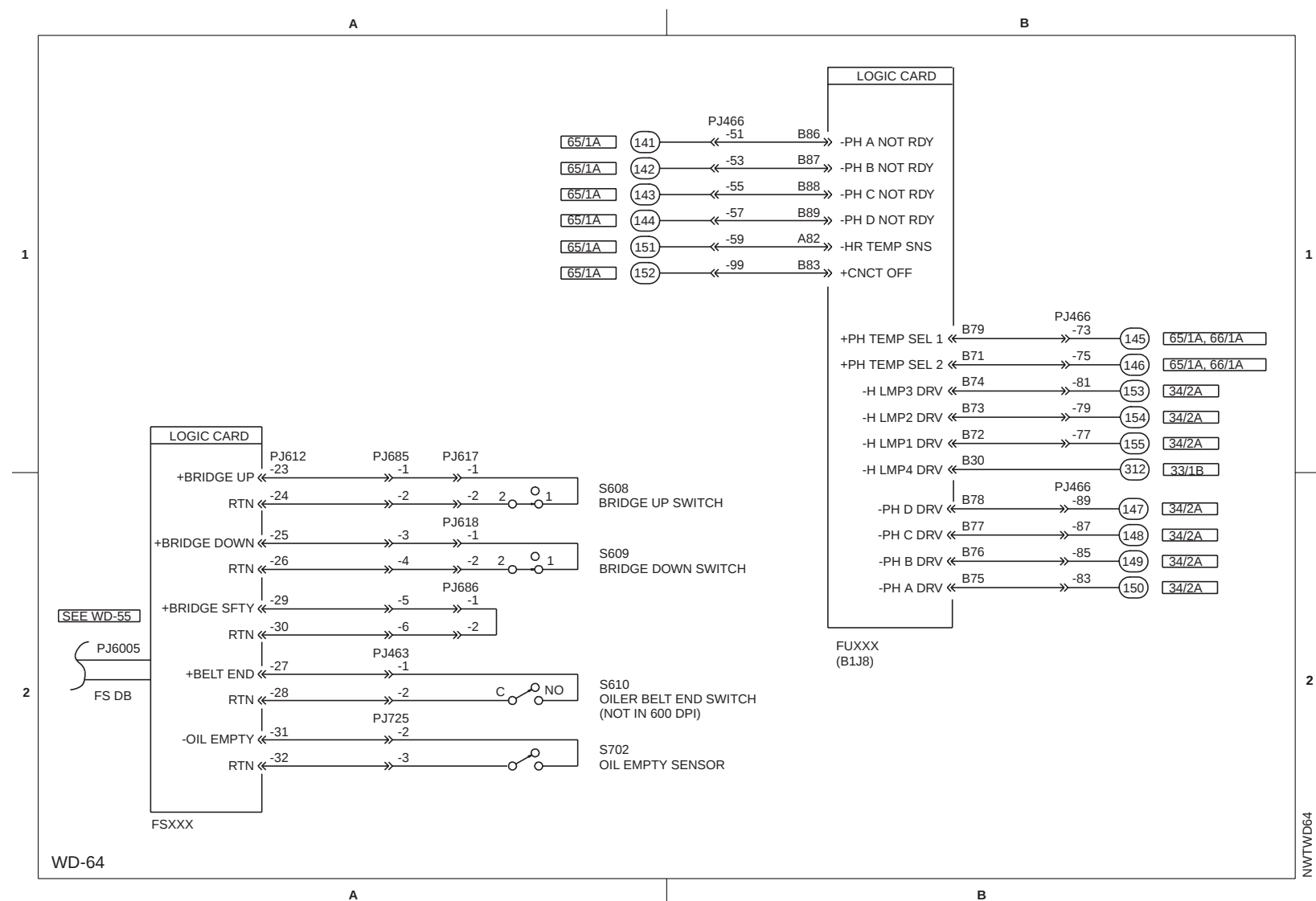
WD62 - Switches and Sensors (YS011 Card)



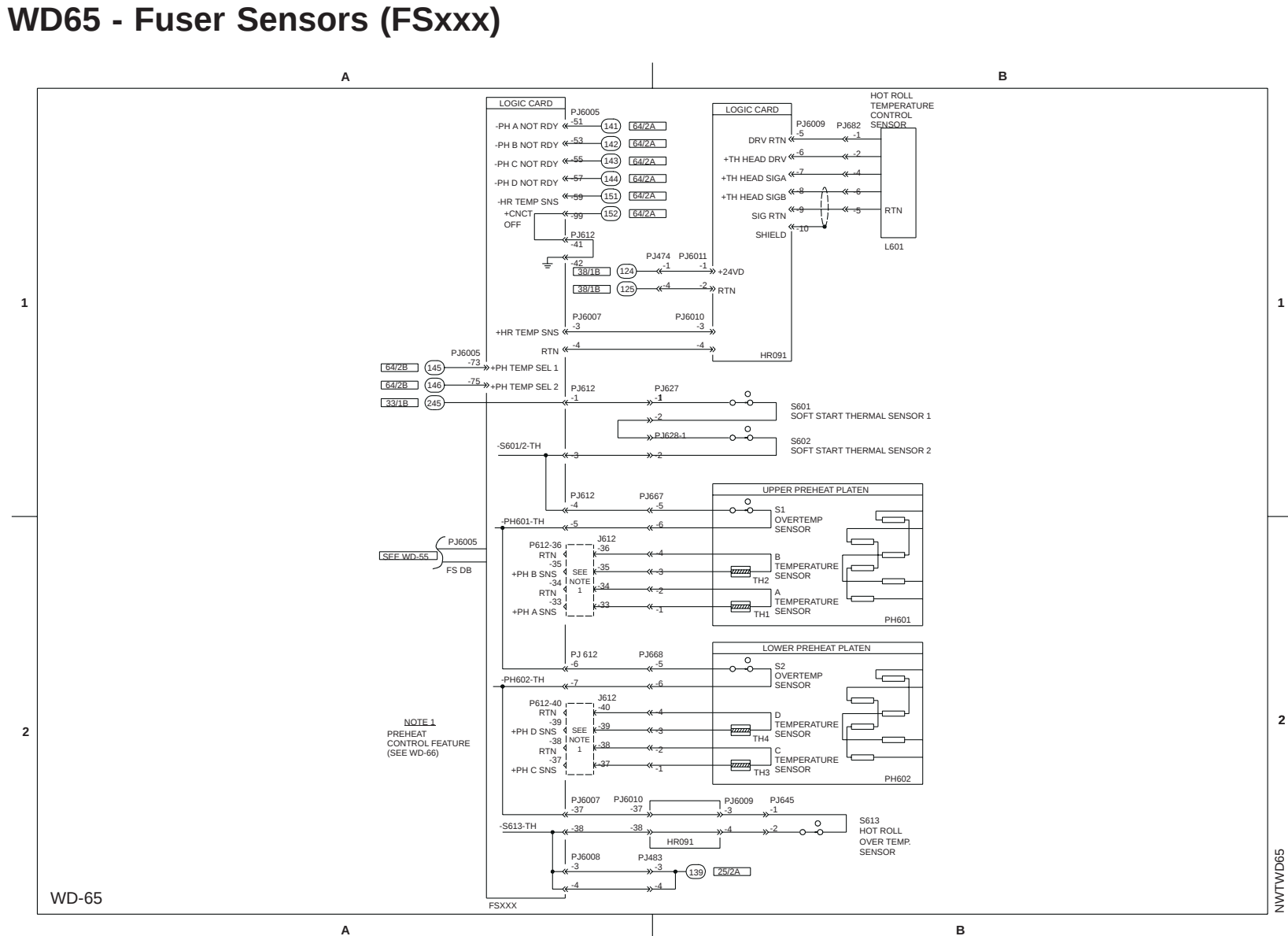
WD63 - Forms Path Sensors (YS011 Card)



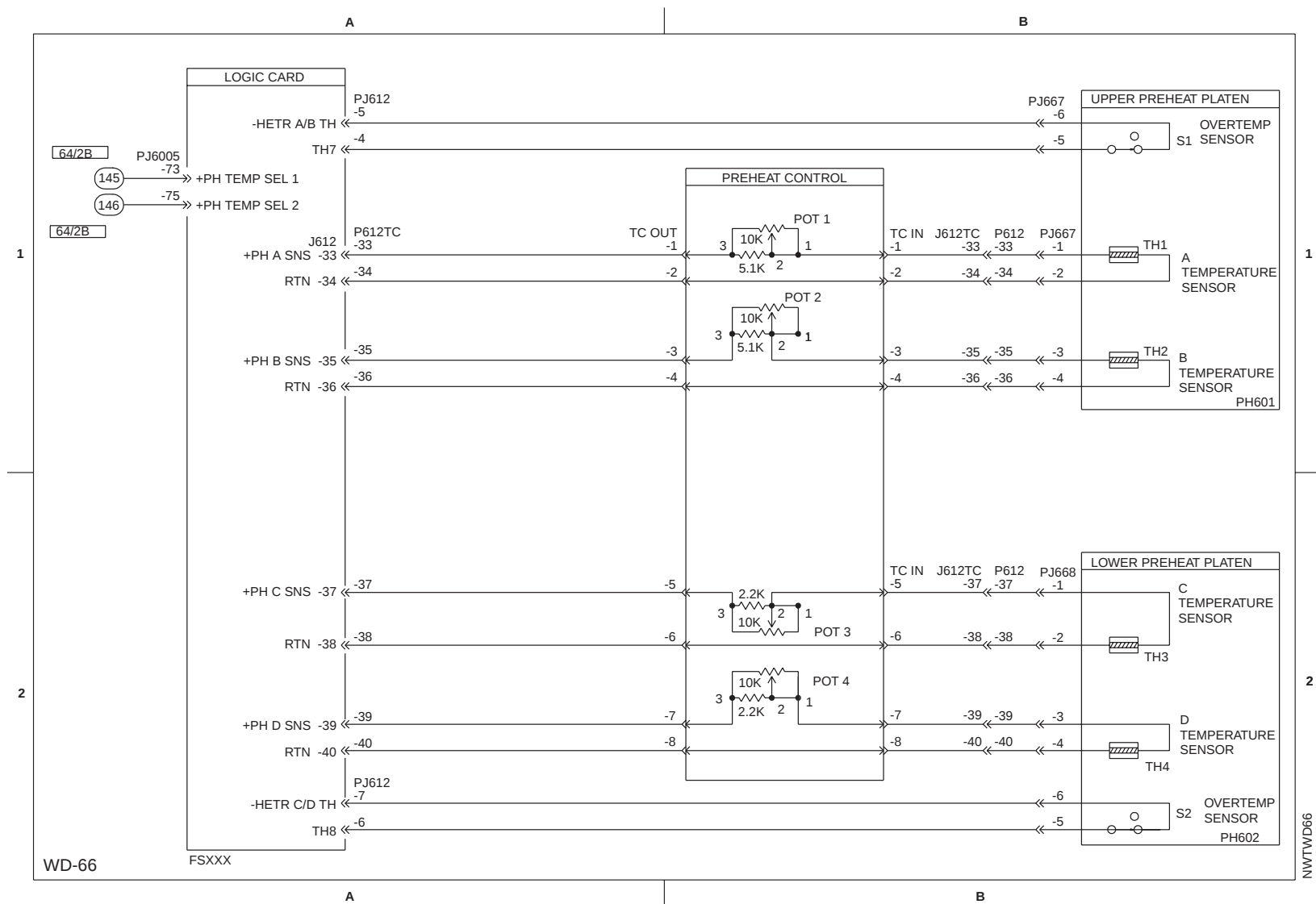
WD64 - Fuser Sensors (FSxxx and FUxxx Cards)



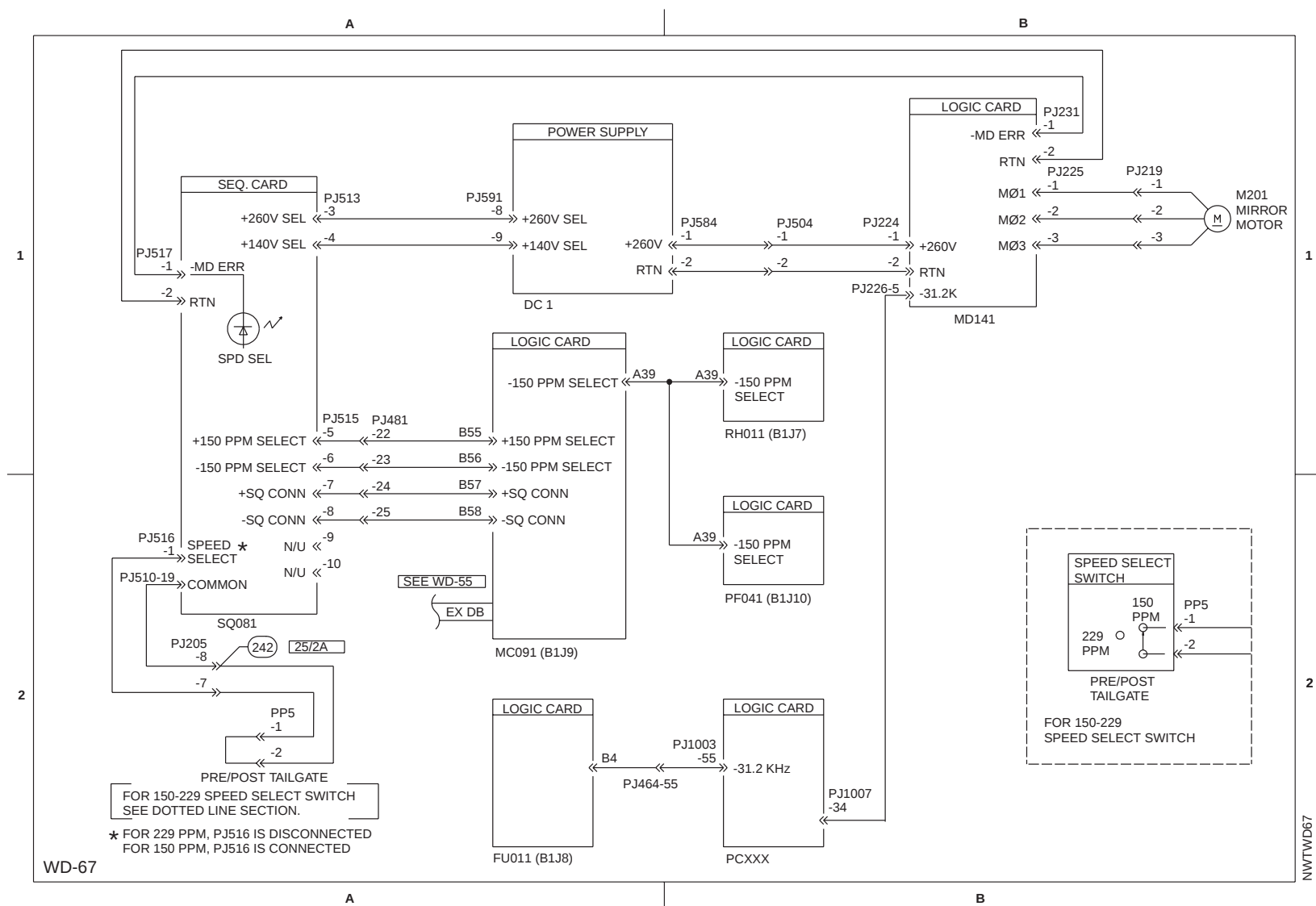
WD65 - Fuser Sensors (FSxxx)



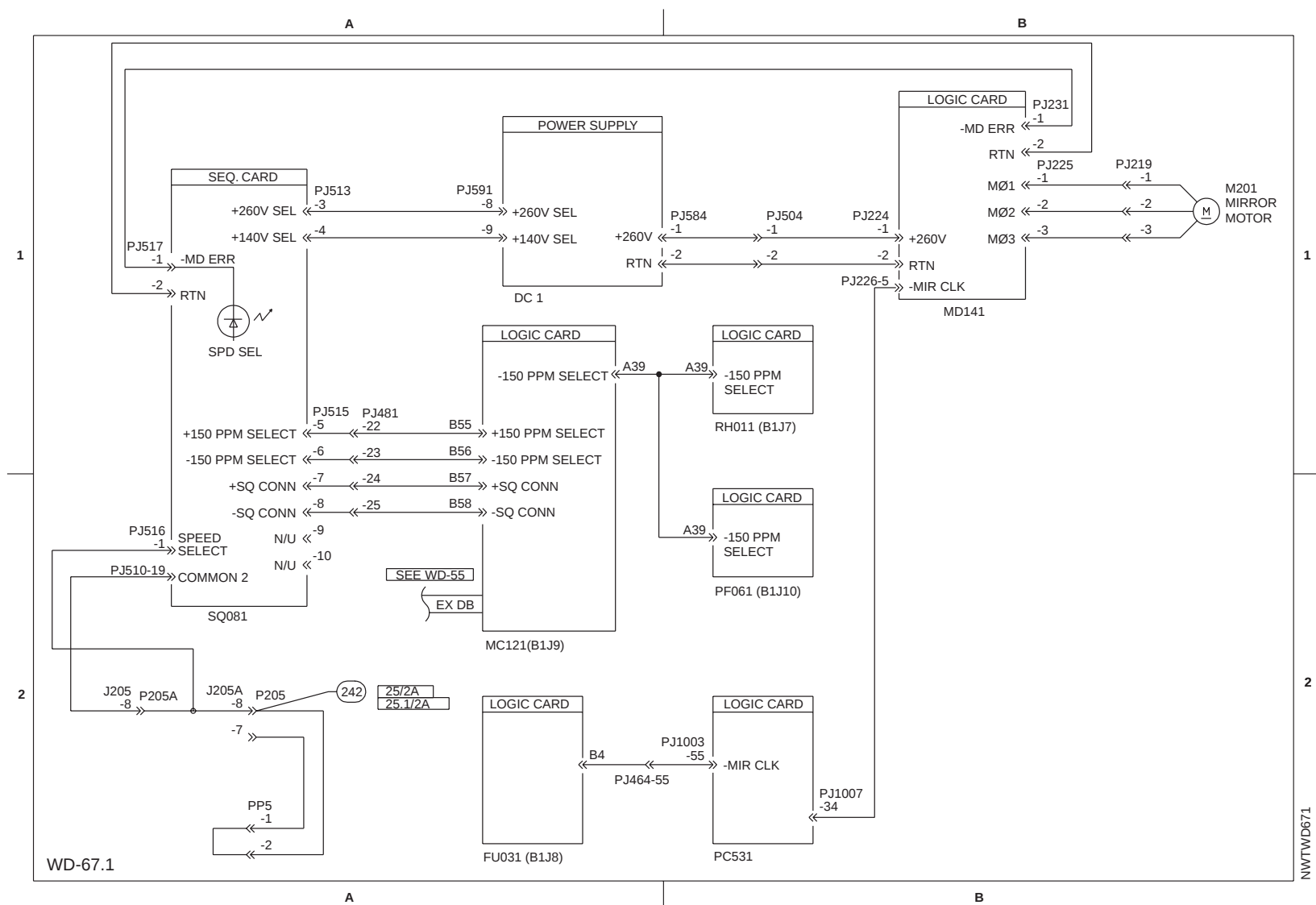
WD66 - Preheat Control



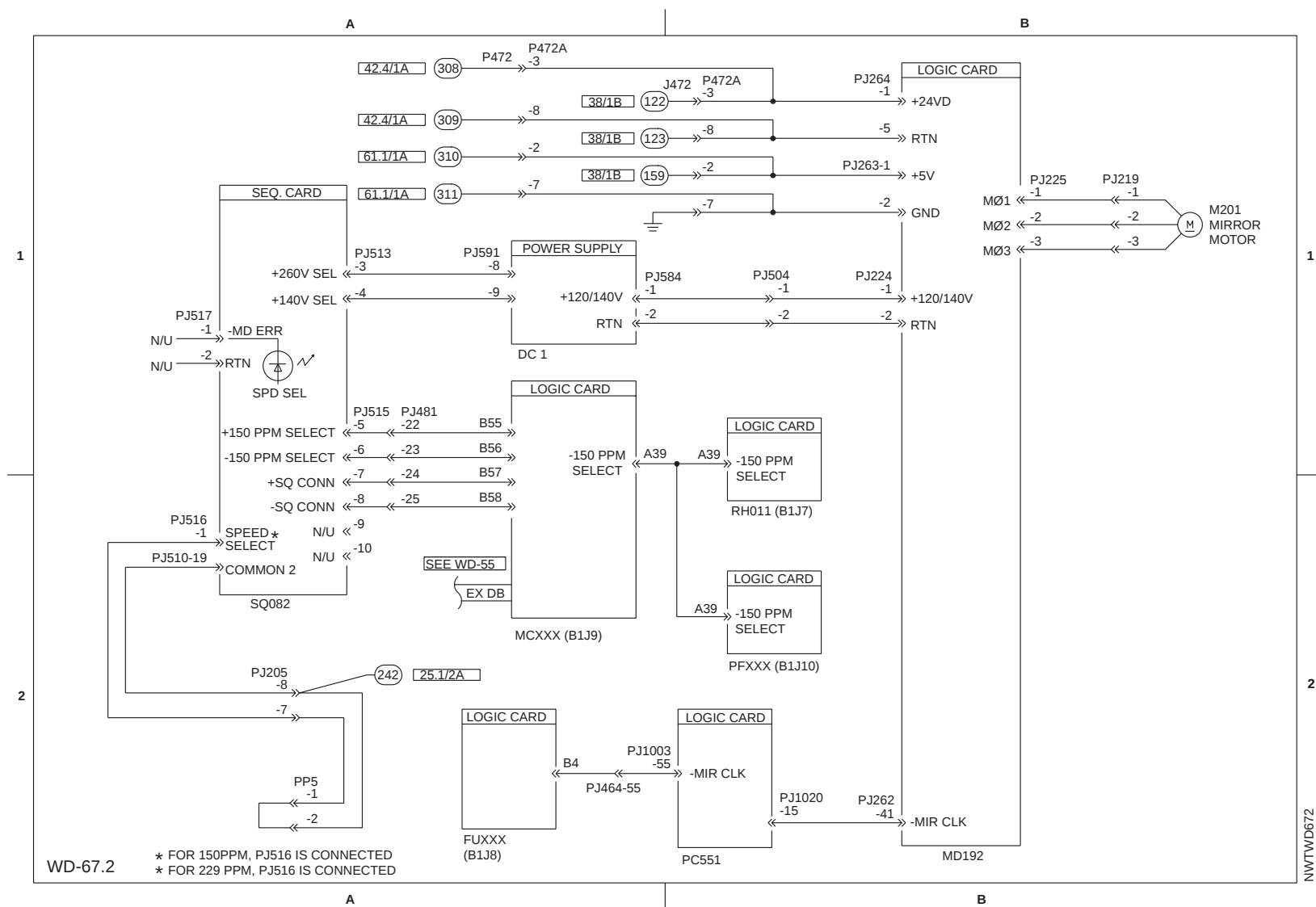
WD67 - Printer Speed Control (Single Beam Printhead)



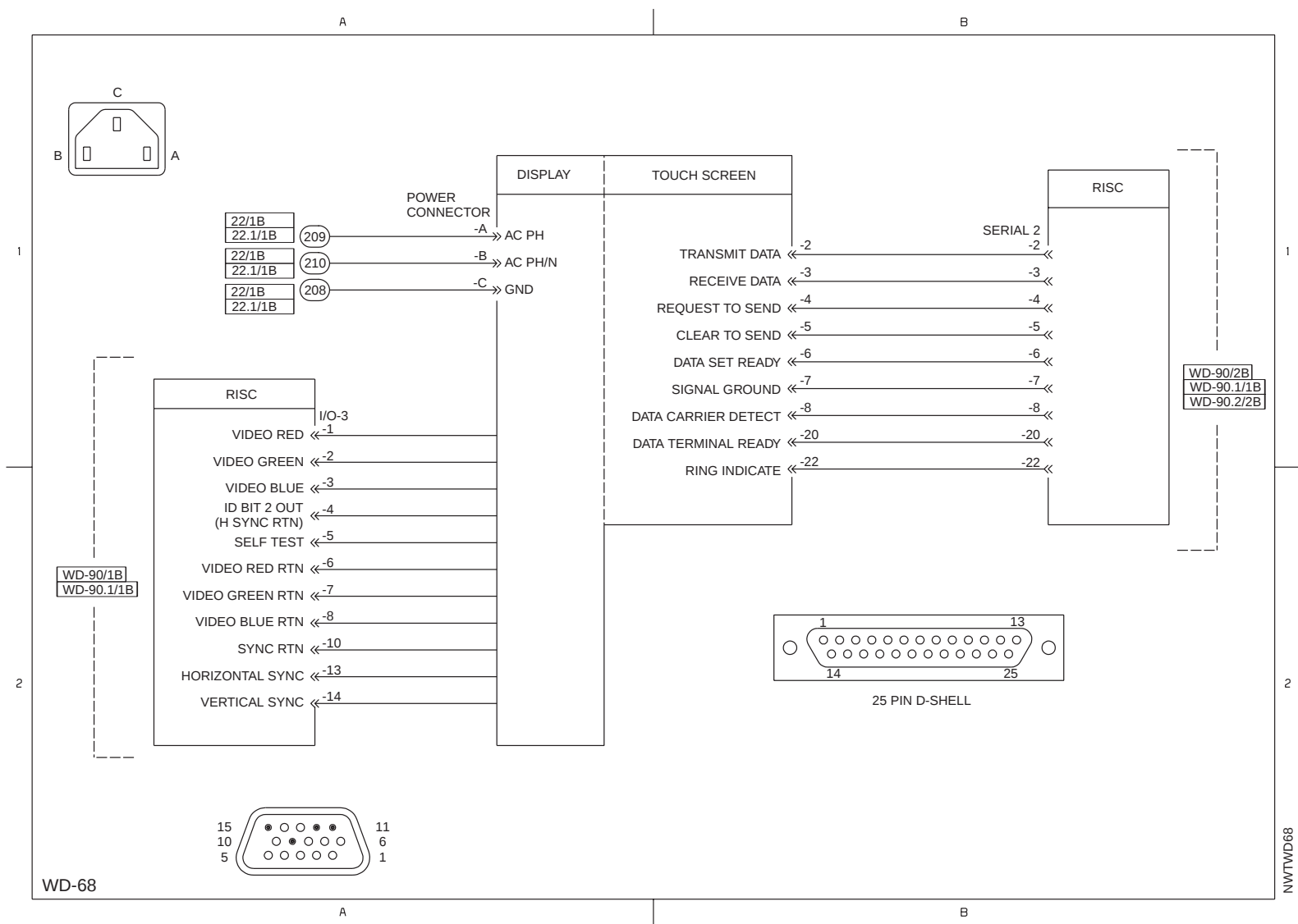
WD67.1 - Printer Speed Control (Two Beam 240 Printhead)



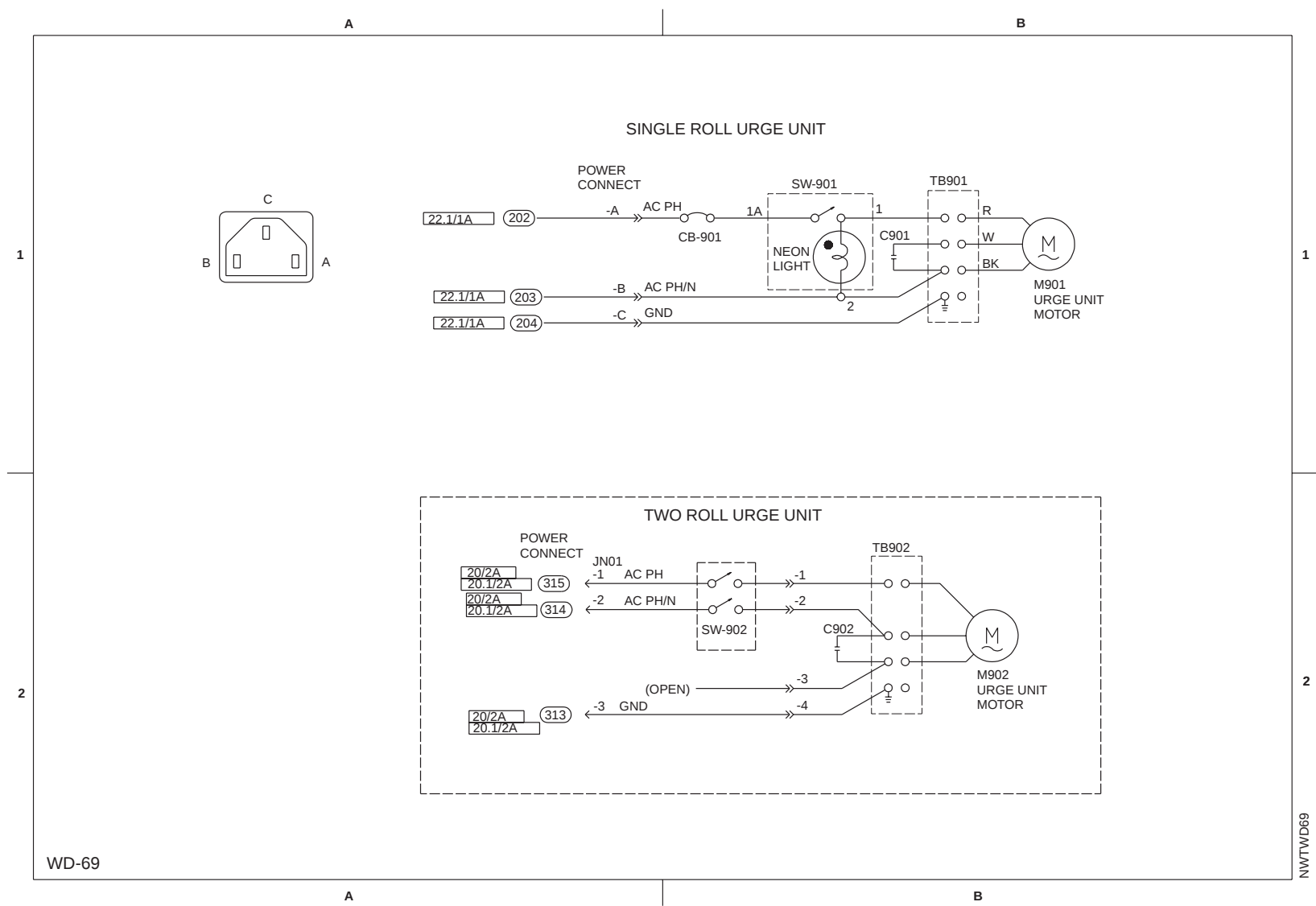
WD67.2 - Printer Speed Control (Two Beam 240/300, Four or Five Beam Printhead)



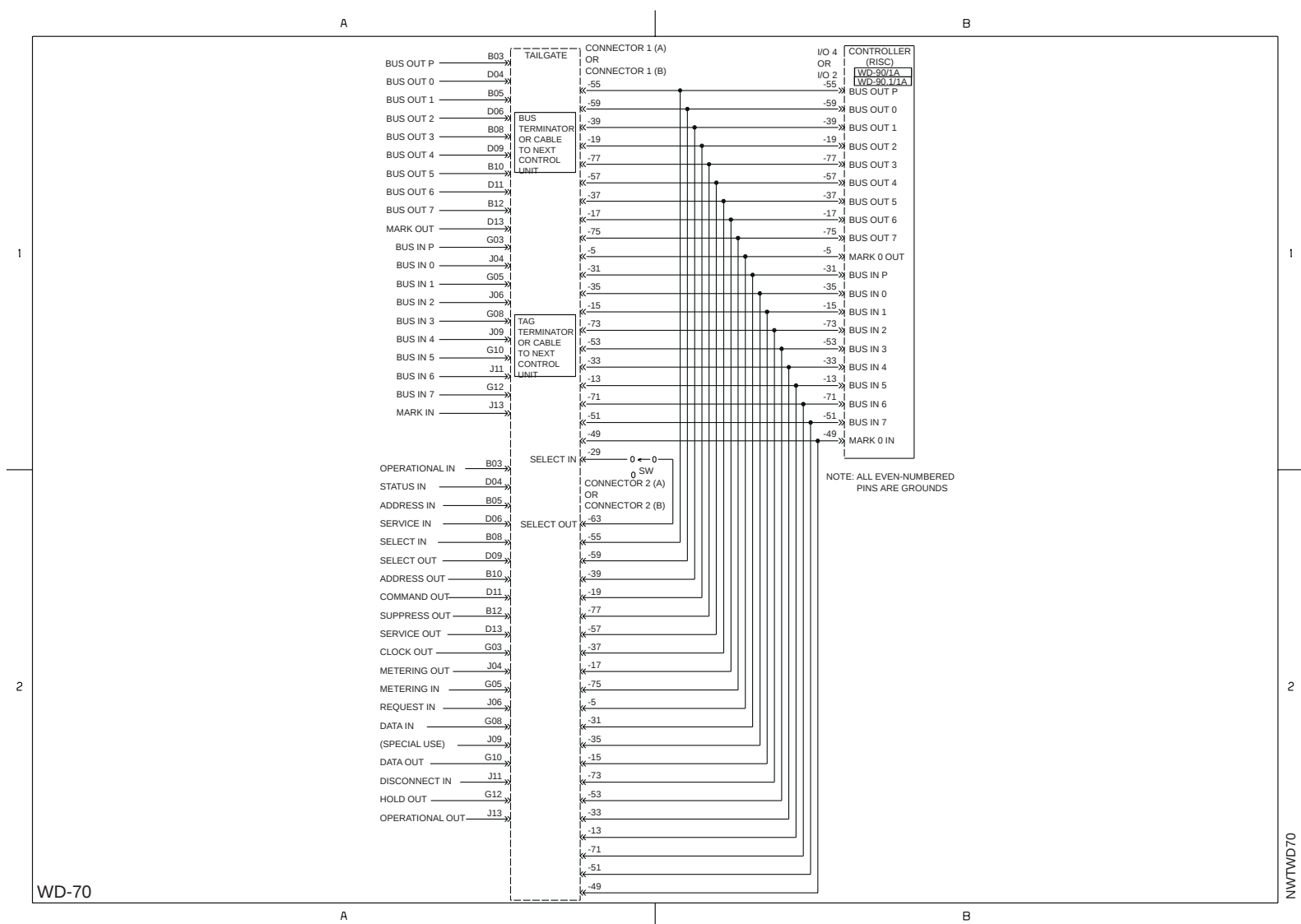
WD68 - Control Unit Display/Touch Screen



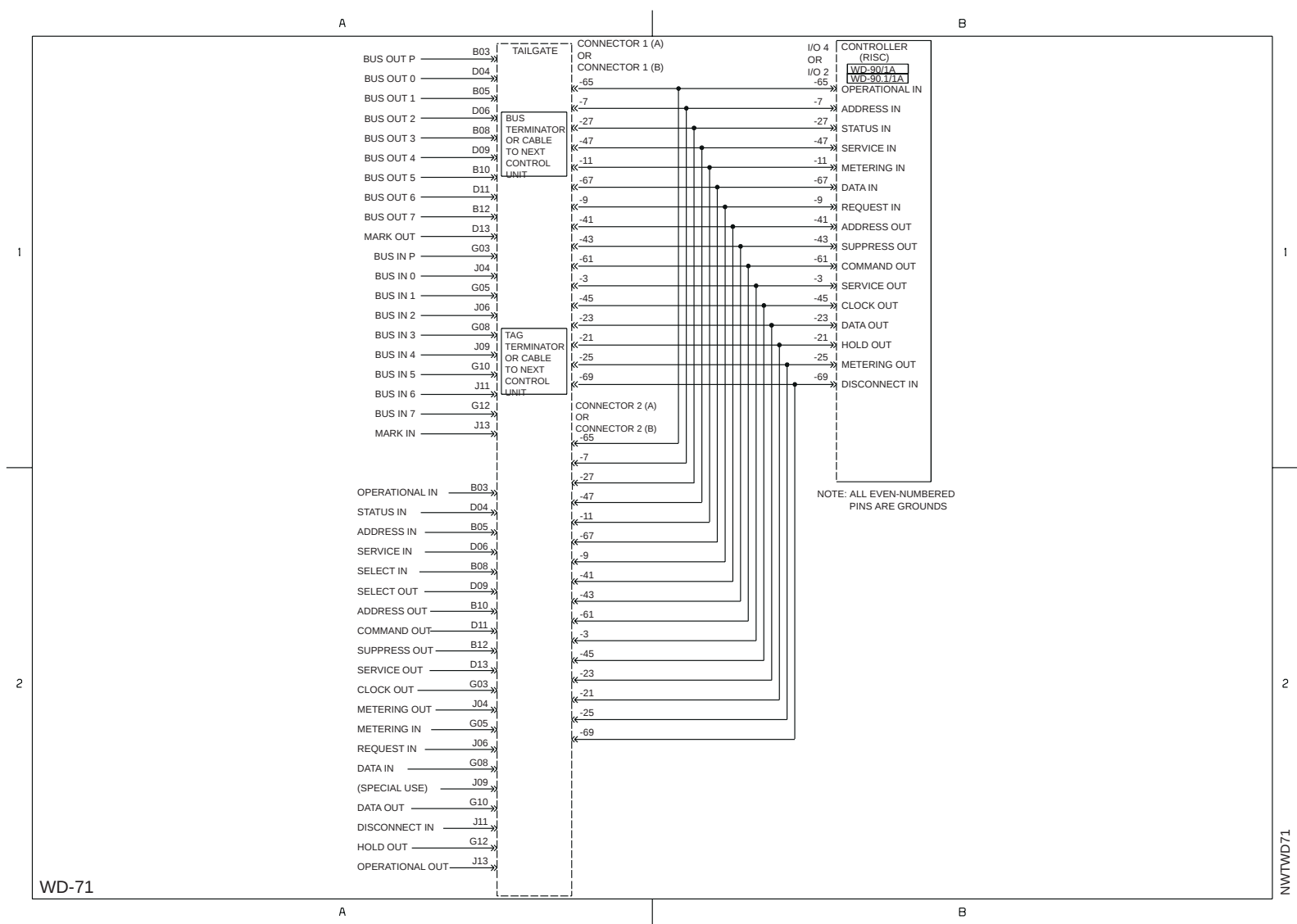
WD69 - Urge Unit (Duplex)



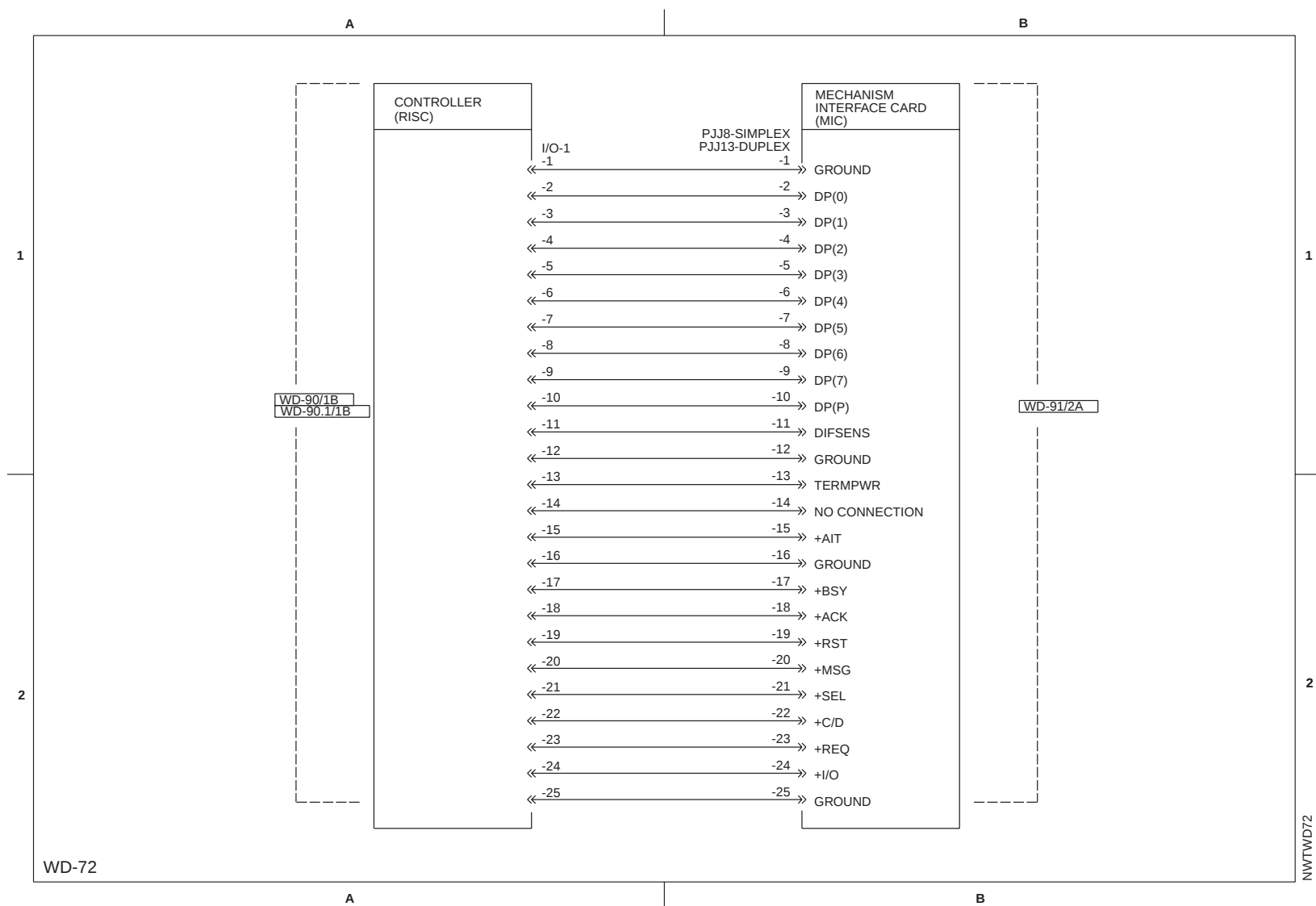
WD70 - Parallel Channel Signal Tailgate to Controller (1 of 2)



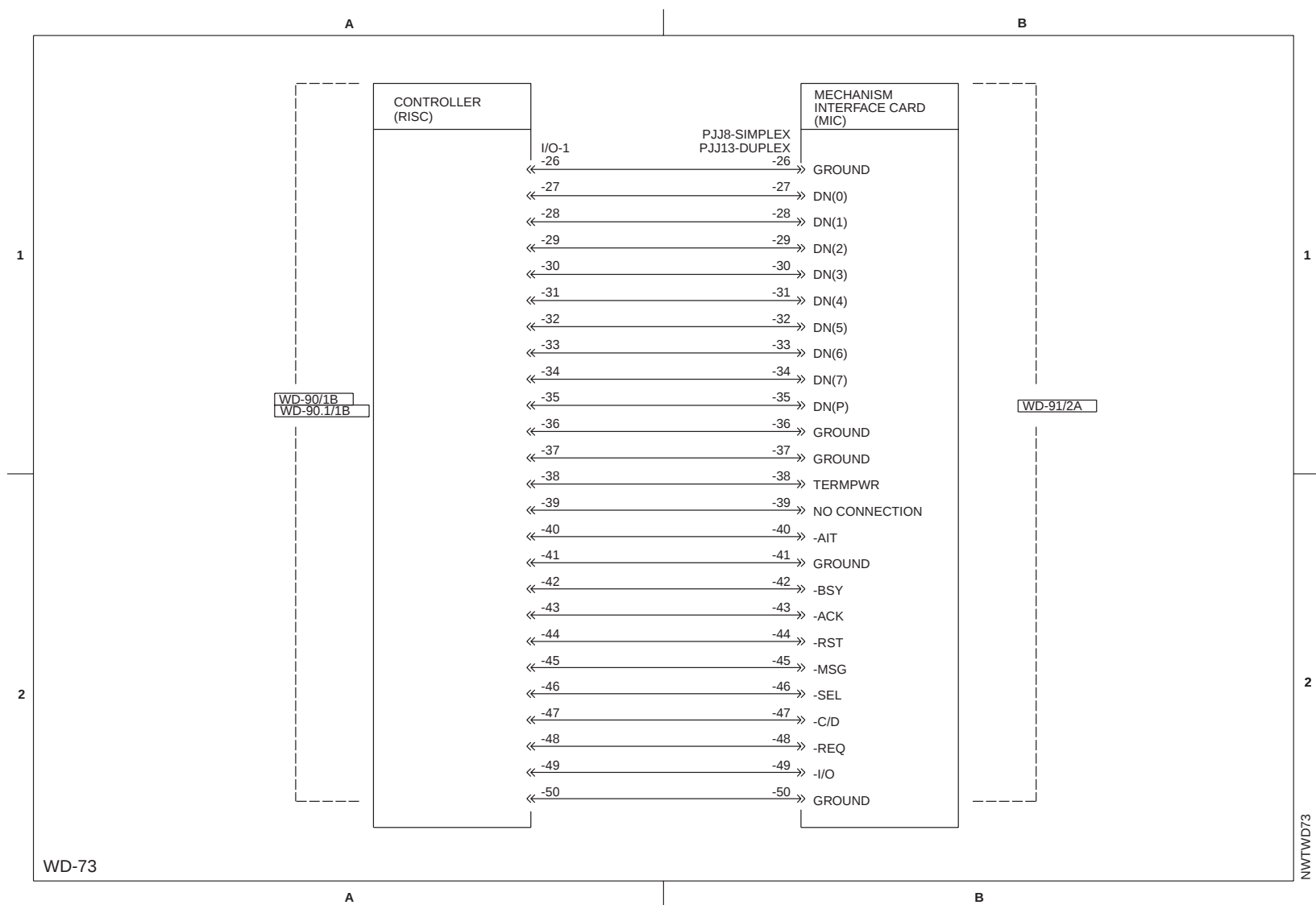
WD71 - Parallel Channel Signal Tailgate to Controller (2 of 2)



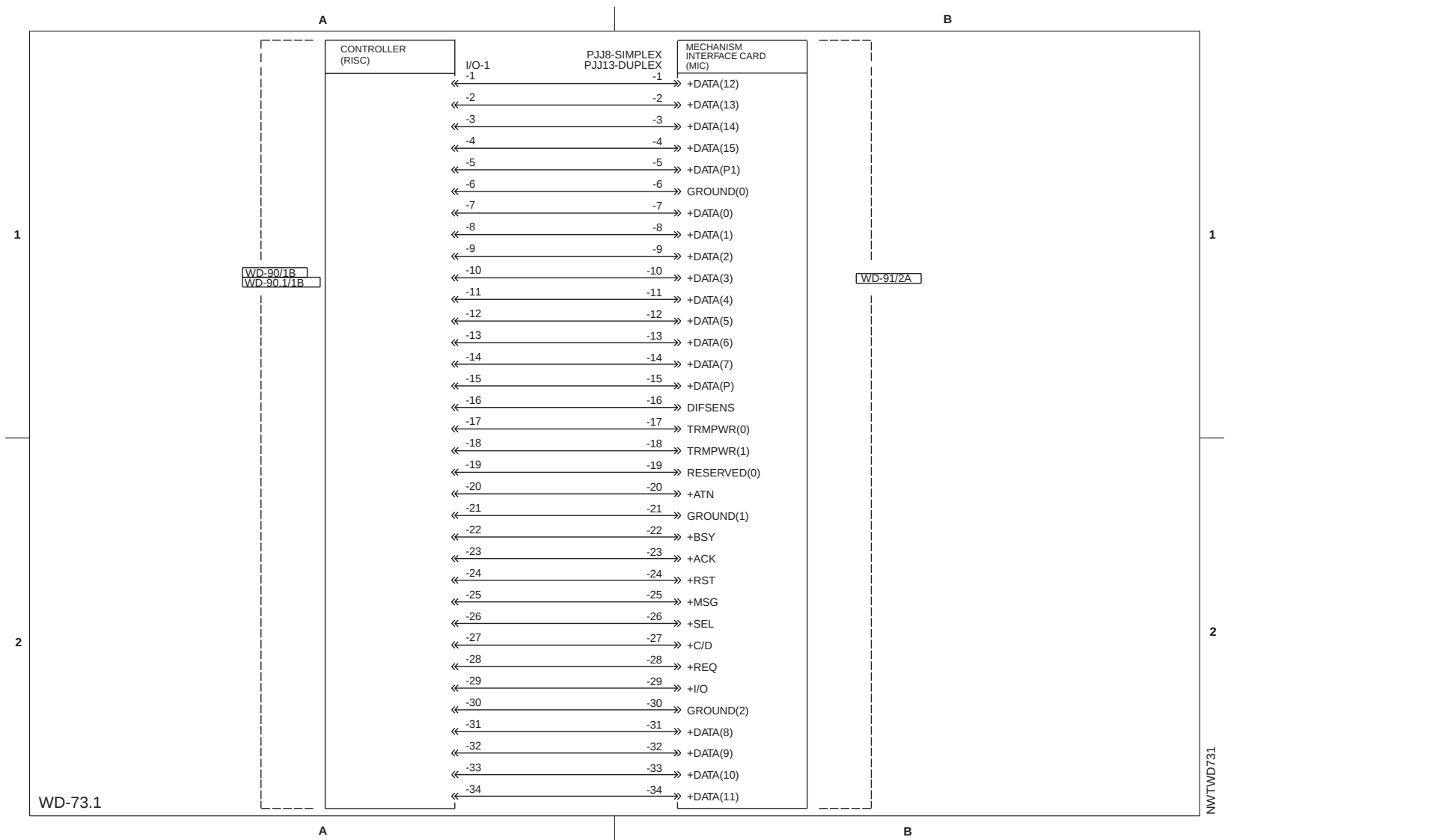
WD72 - RS/6000 Controller to Narrow SCSI Mechanism Interface Card (1 of 2)



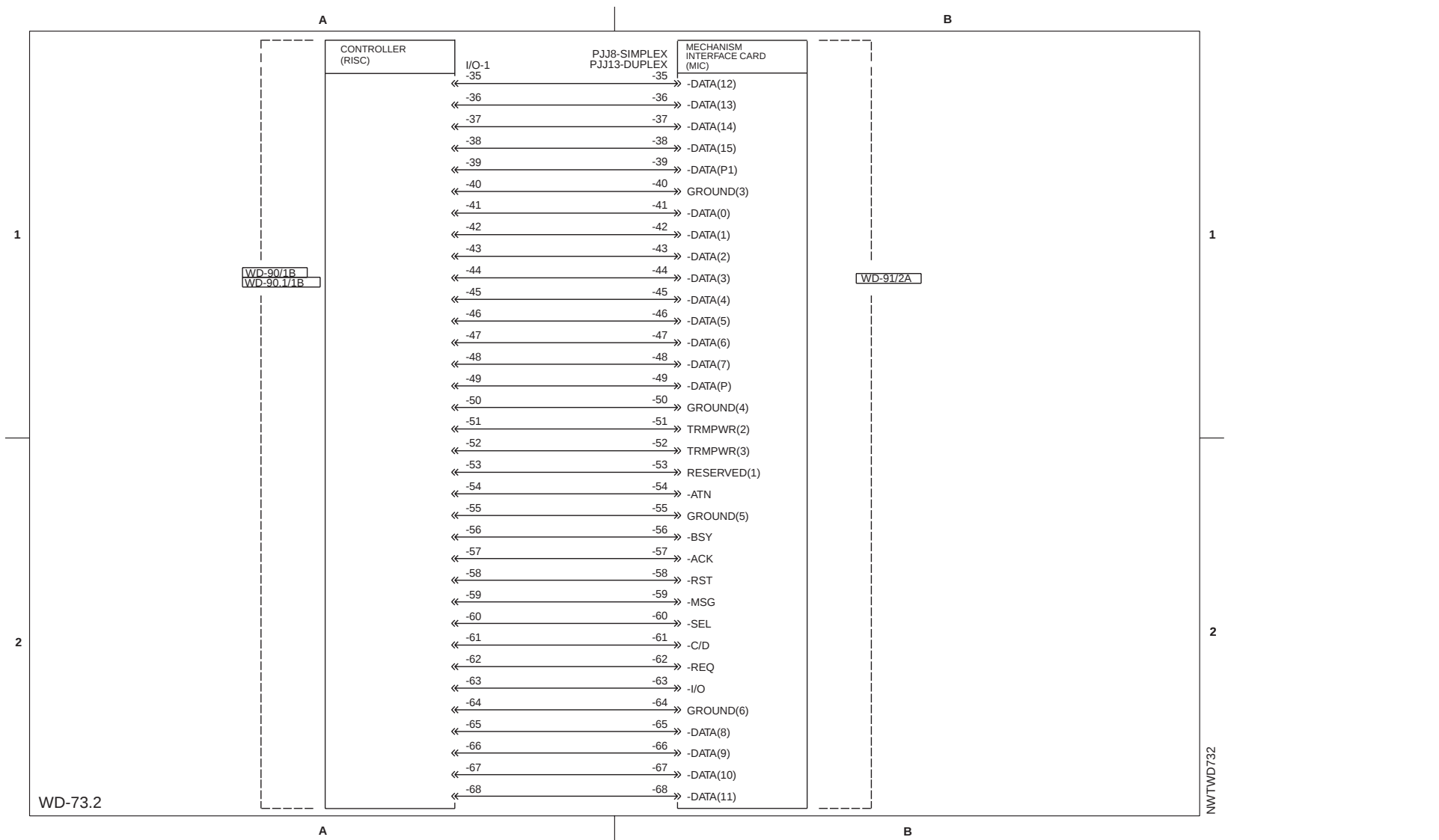
WD73 - RS/6000 Controller to Narrow SCSI Mechanism Interface Card (2 of 2)



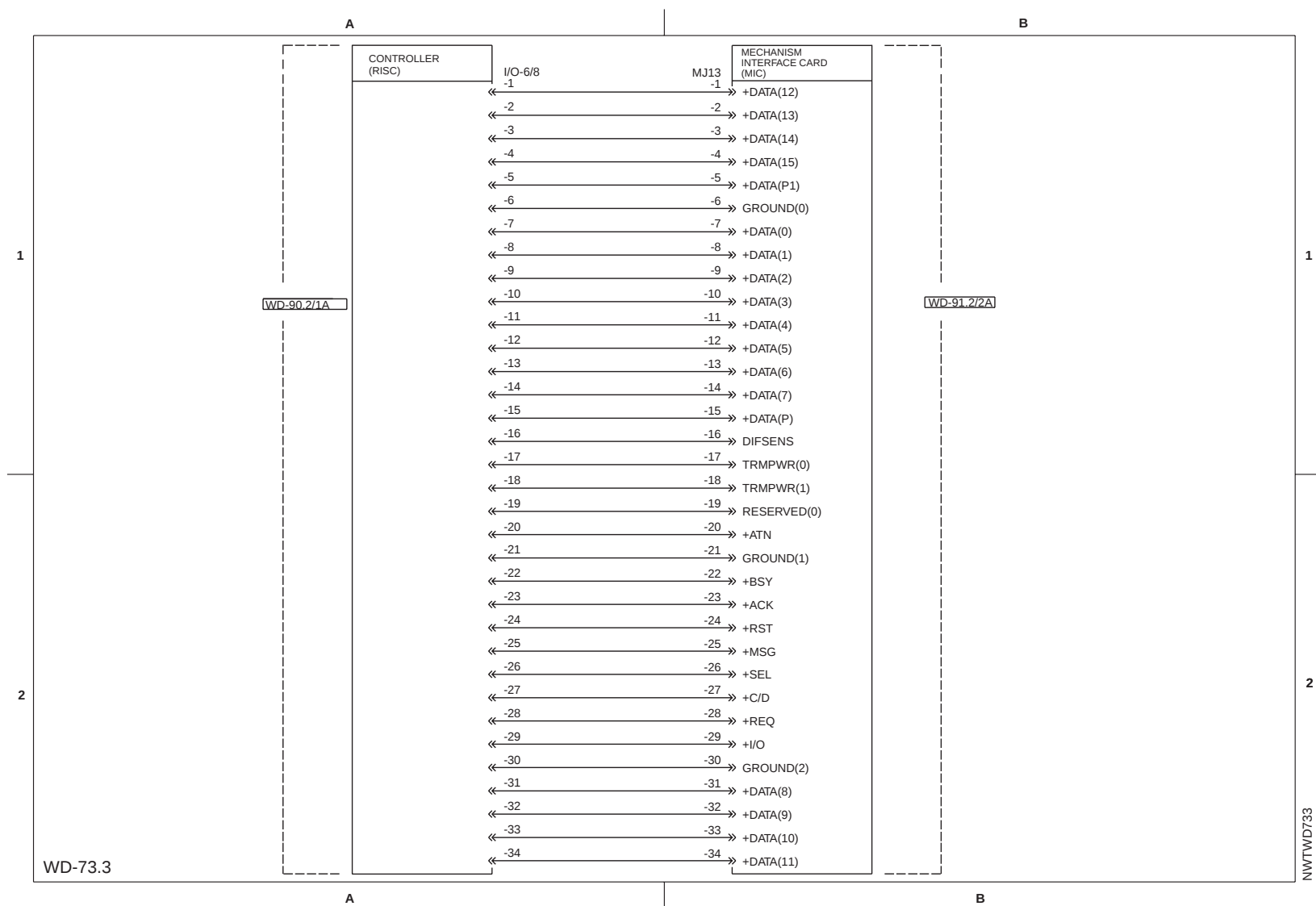
WD73.1 - RS/6000 Controller to Wide SCSI MIC (3900 0Wx & DWx Models, Infoprint 4000 ISx & IDx Models) (1 of 2)



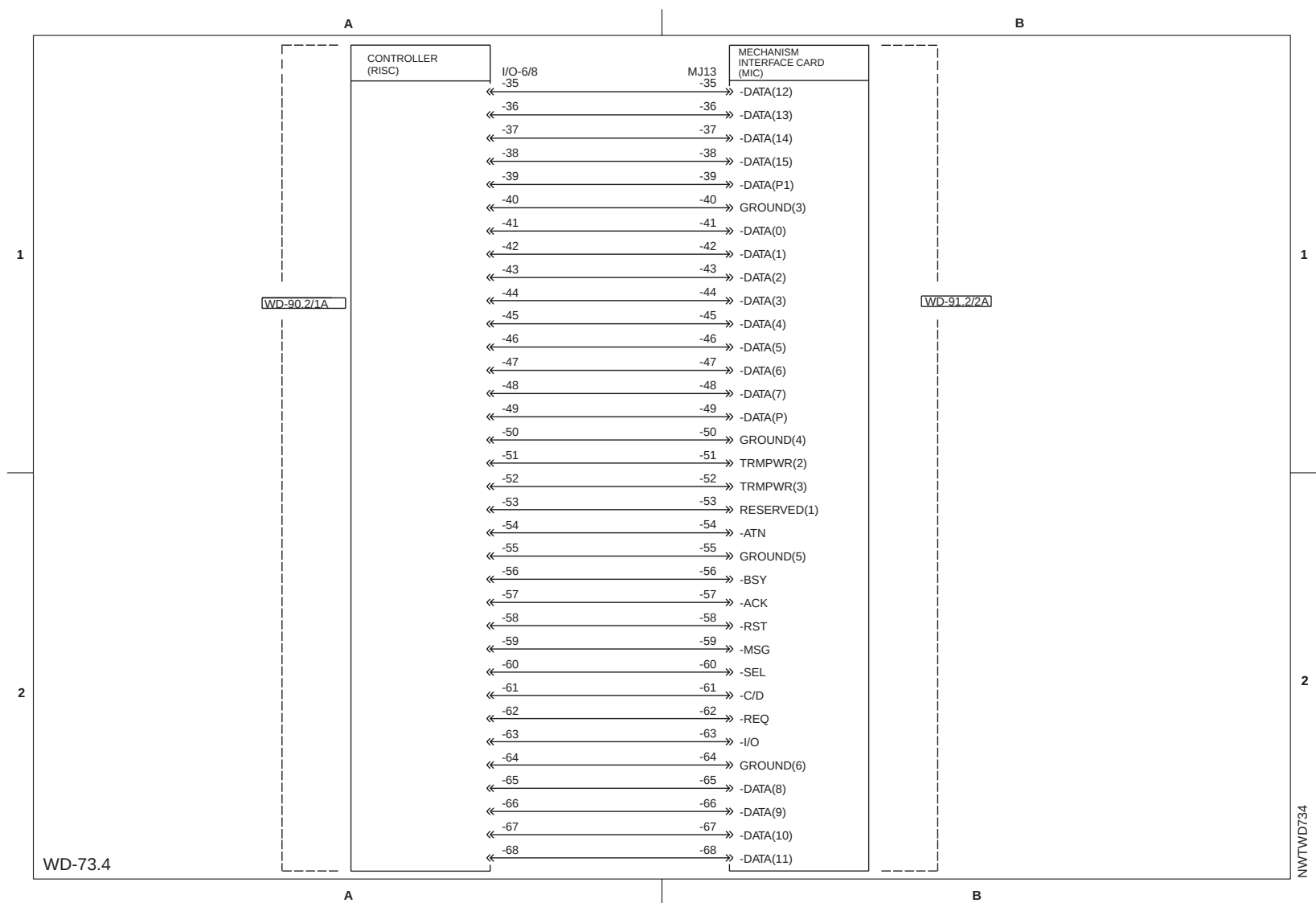
WD73.2 - RS/6000 Controller to Wide SCSI MIC (3900 0Wx & DWx Models, Infoprint 4000 ISx & IDx Models) (2 of 2)



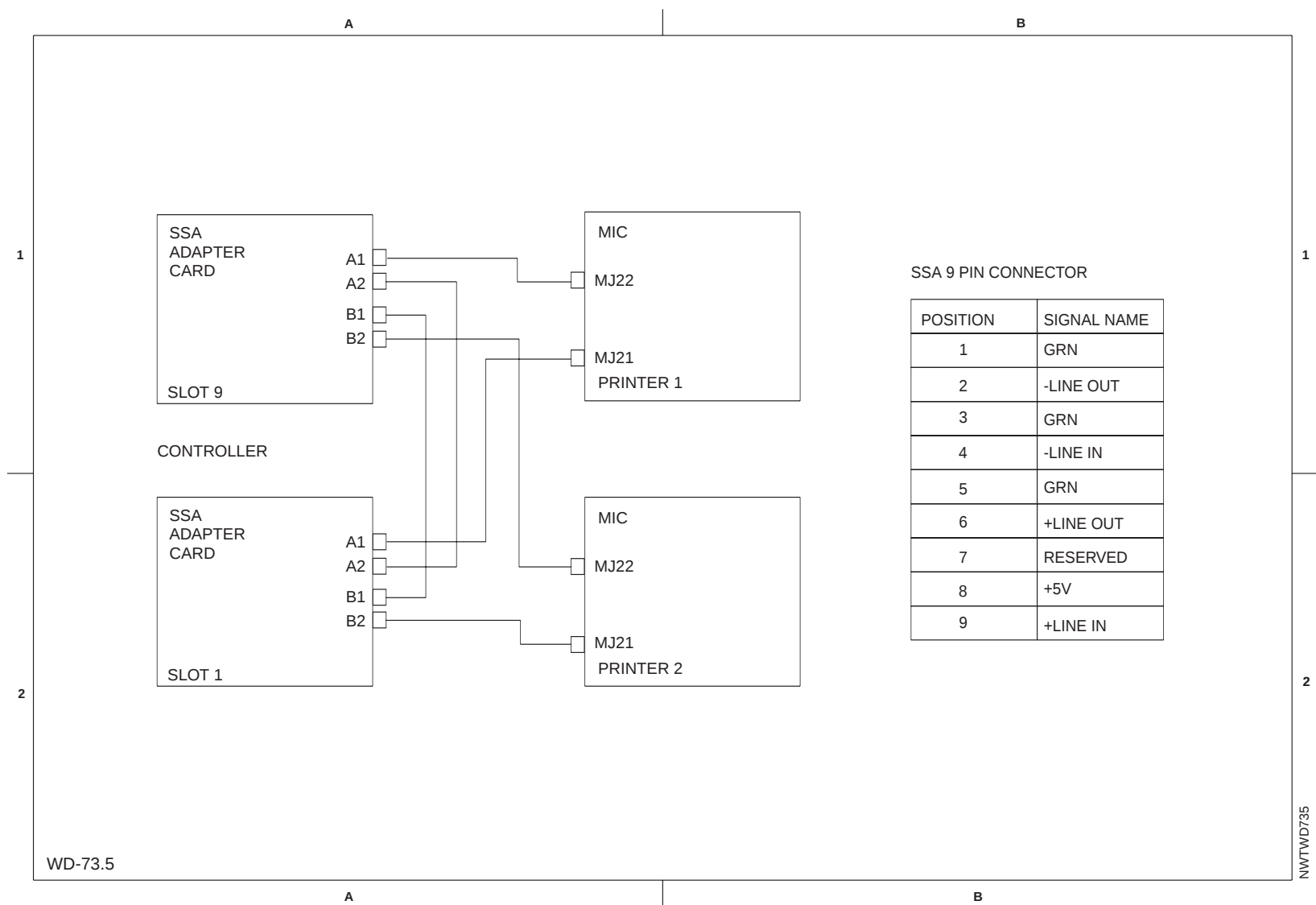
WD73.3 - RS/6000 Controller to Wide SCSI MIC (IR1/IR2) (1 of 2)



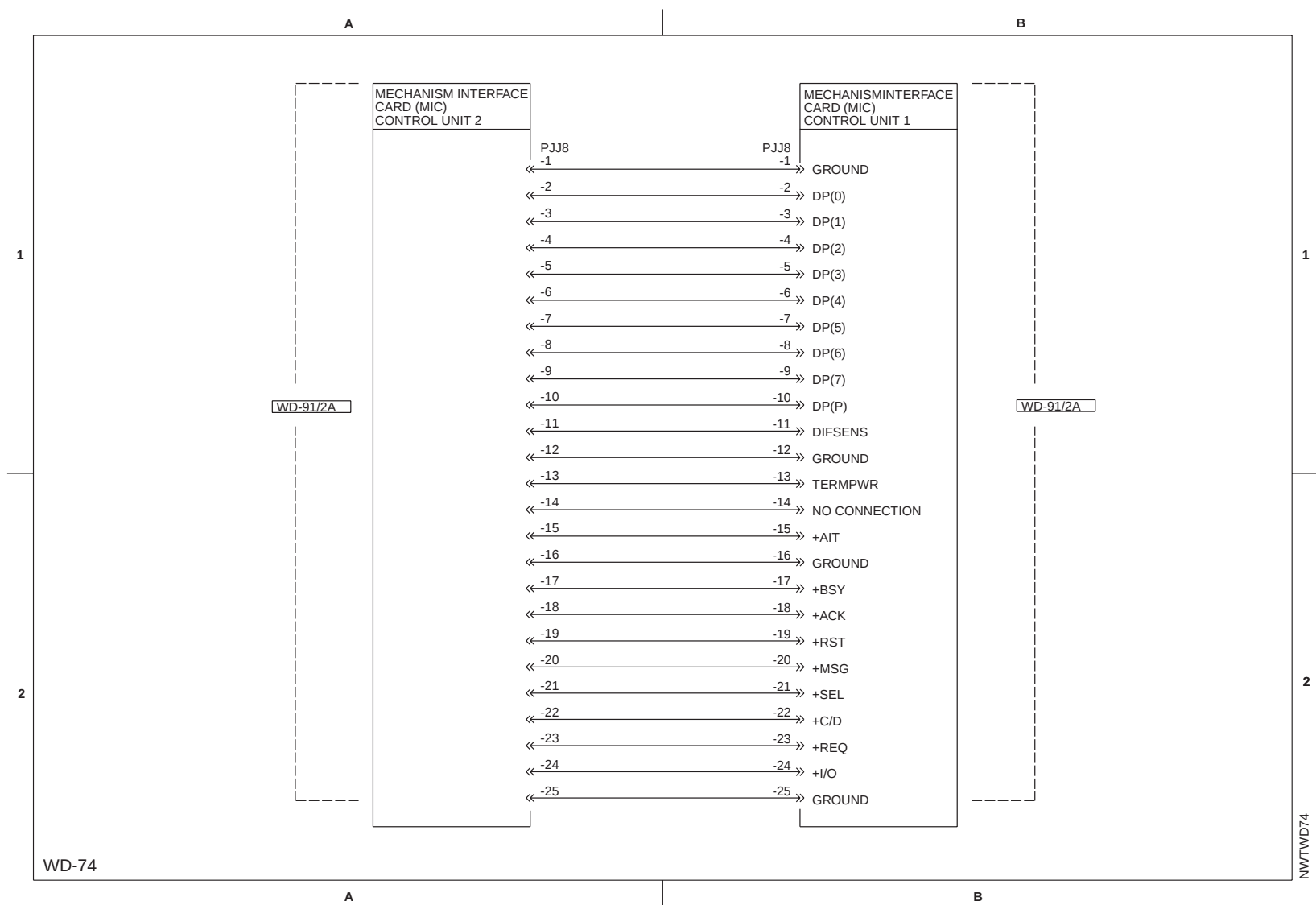
WD73.4 - RS/6000 Controller to Wide SCSI MIC (IR1/IR2) (2 of 2)



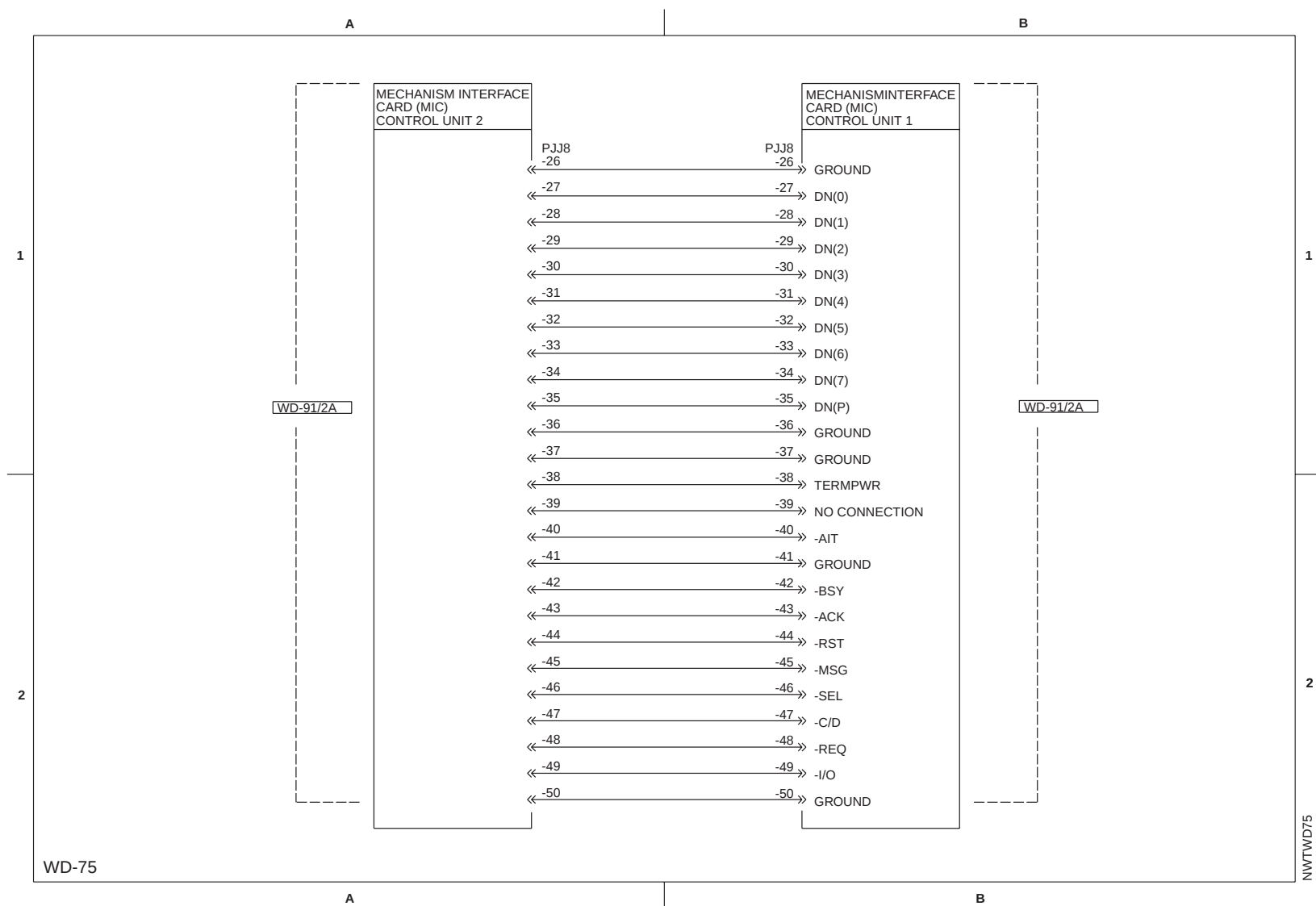
WD73.5 - Control Unit (IR3/IR4) Controller (RISC) to SSA MIC



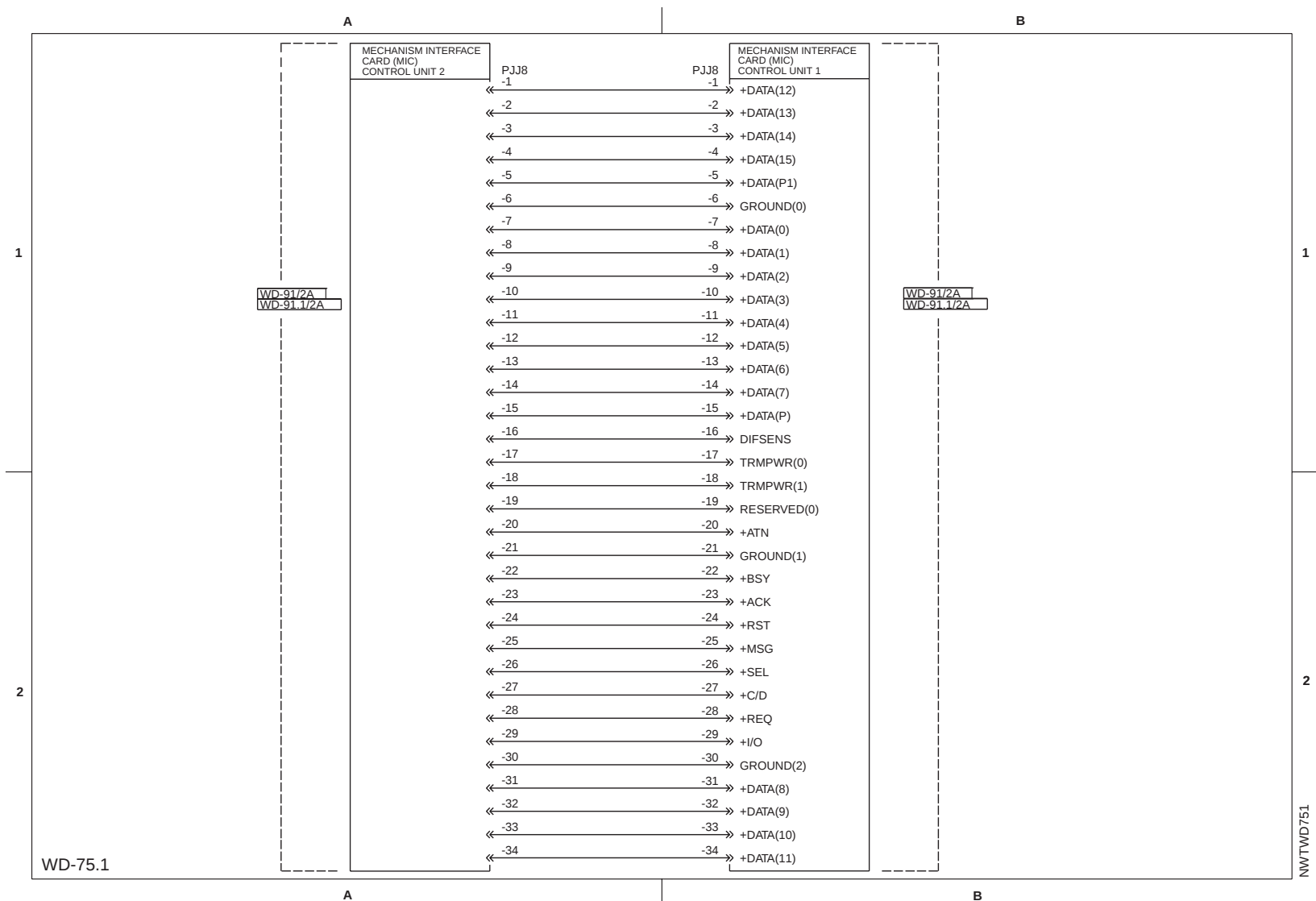
WD74 - MIC Control Unit 2 to MIC Control Unit 1 (Narrow SCSI) (1 of 2)



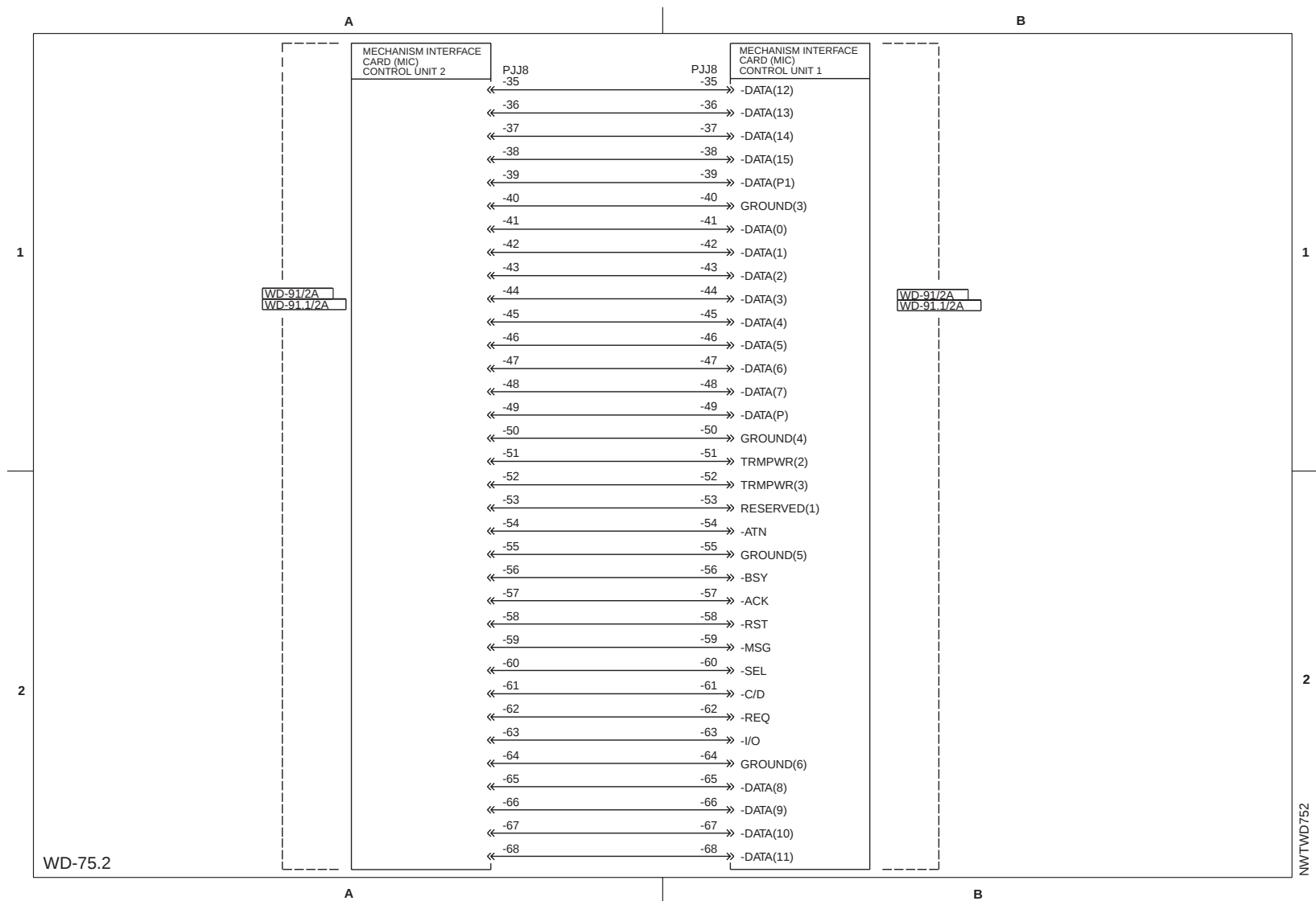
WD75 - MIC Control Unit 2 to MIC Control Unit 1 (Narrow SCSI) (2 of 2)



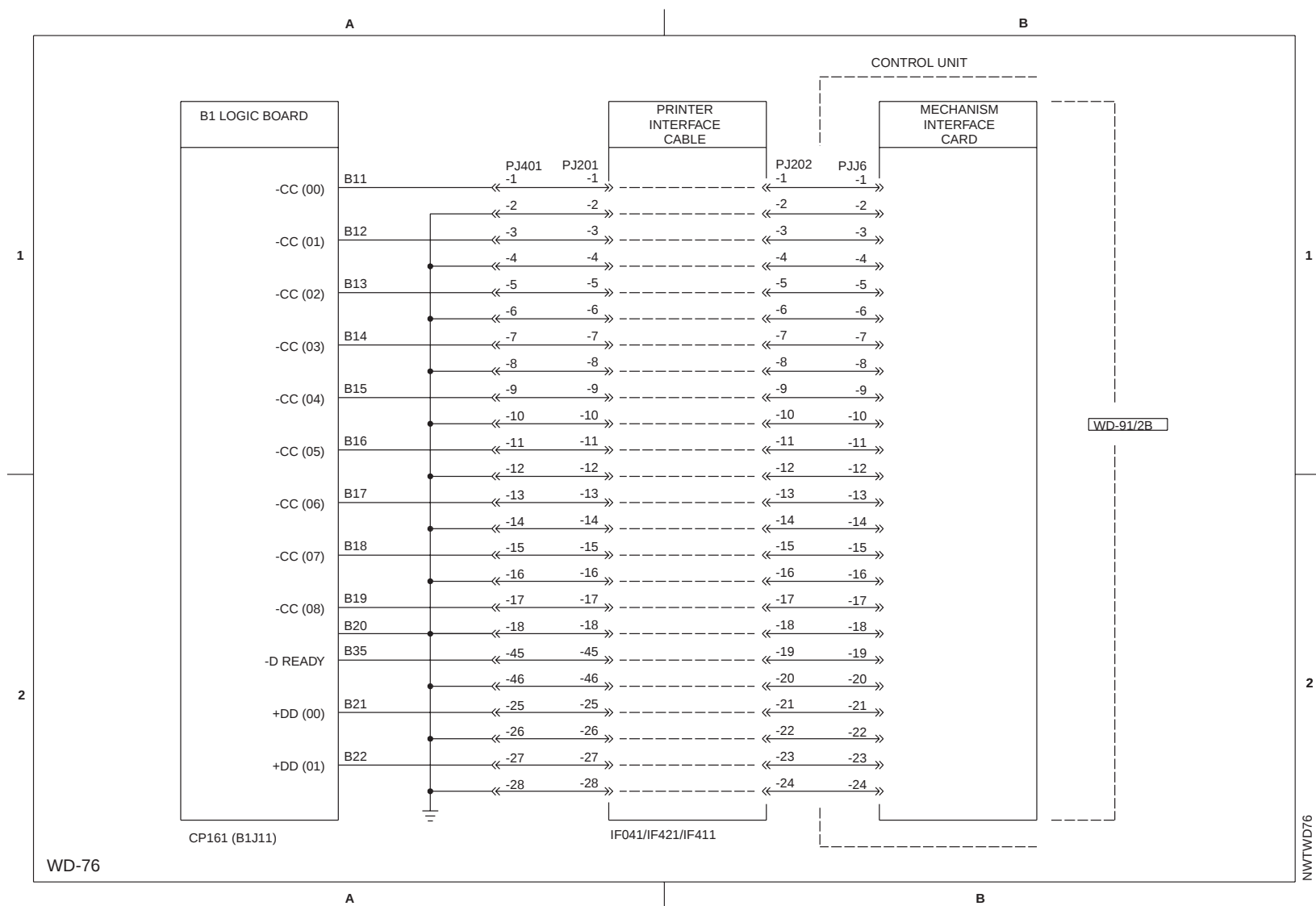
WD75.1 - Wide SCSI MIC Control Unit 2 to Wide SCSI MIC Control Unit 1 (all except 480/600 DPI & 324 PPM) (1 of 2)



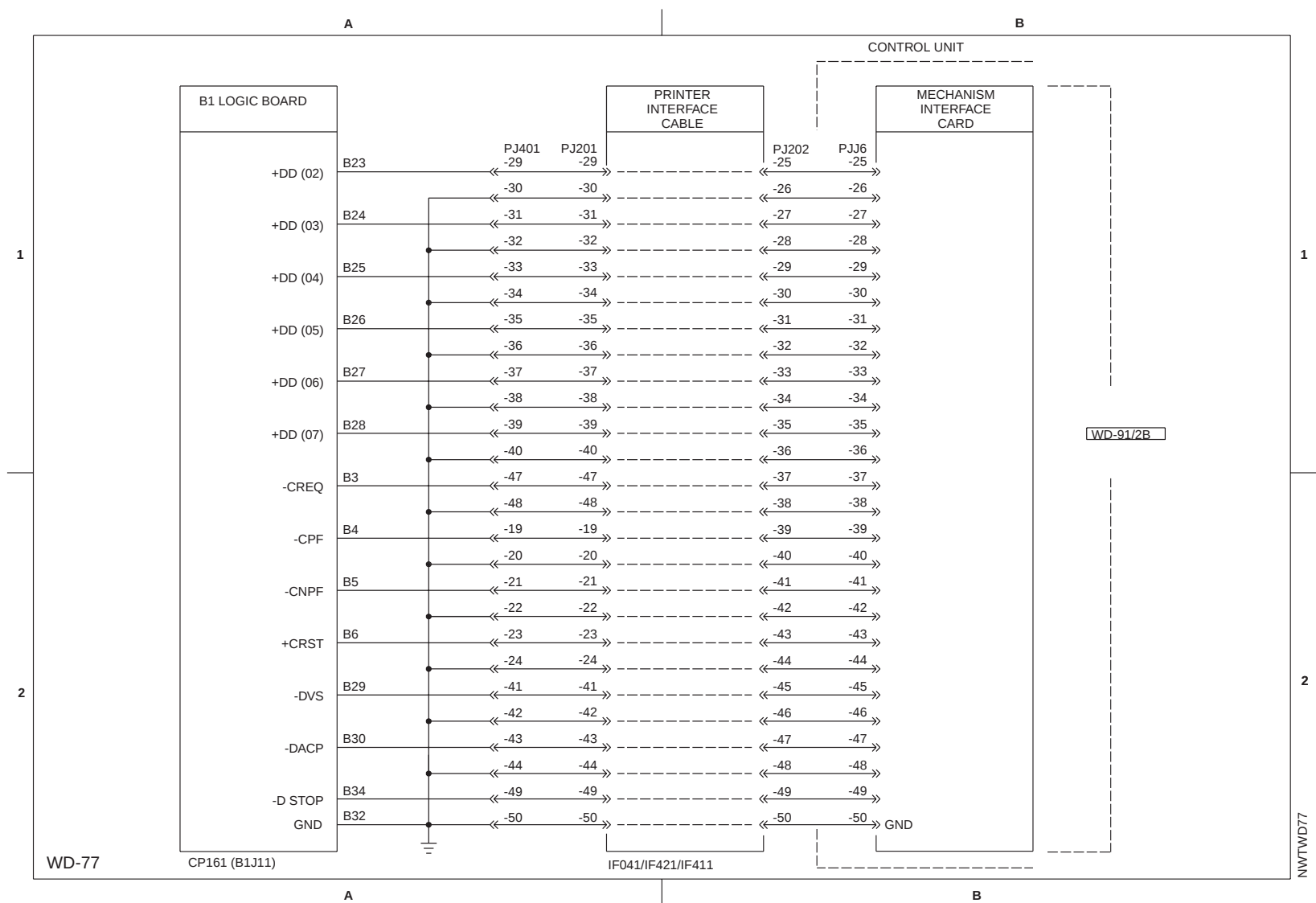
WD75.2 - Wide SCSI MIC Control Unit 2 to Wide SCSI MIC Control Unit 1 (all except 480/600 DPI & 324 PPM) (2 of 2)



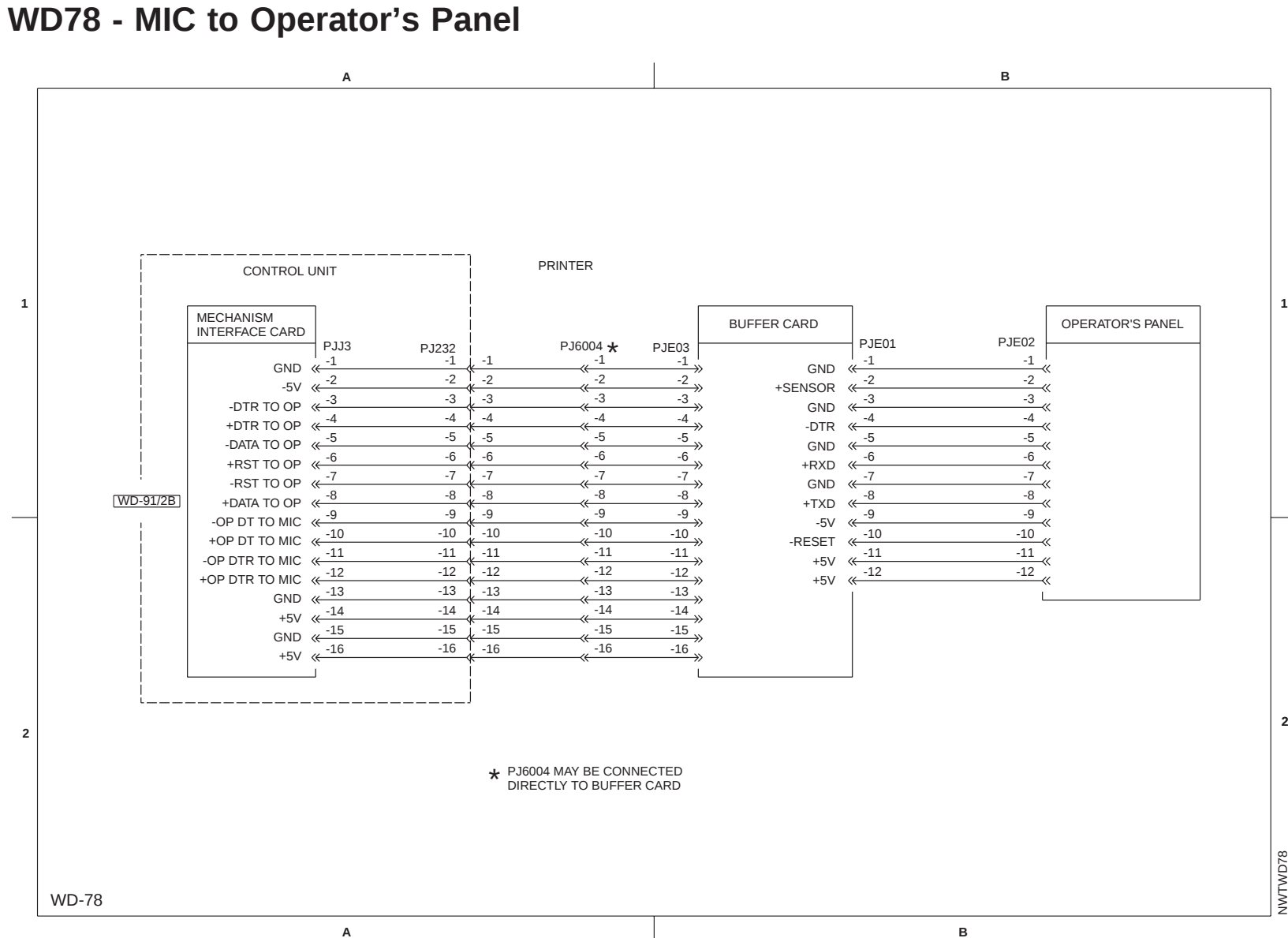
WD76 - MIC to Printer Control Cable (1 of 2)



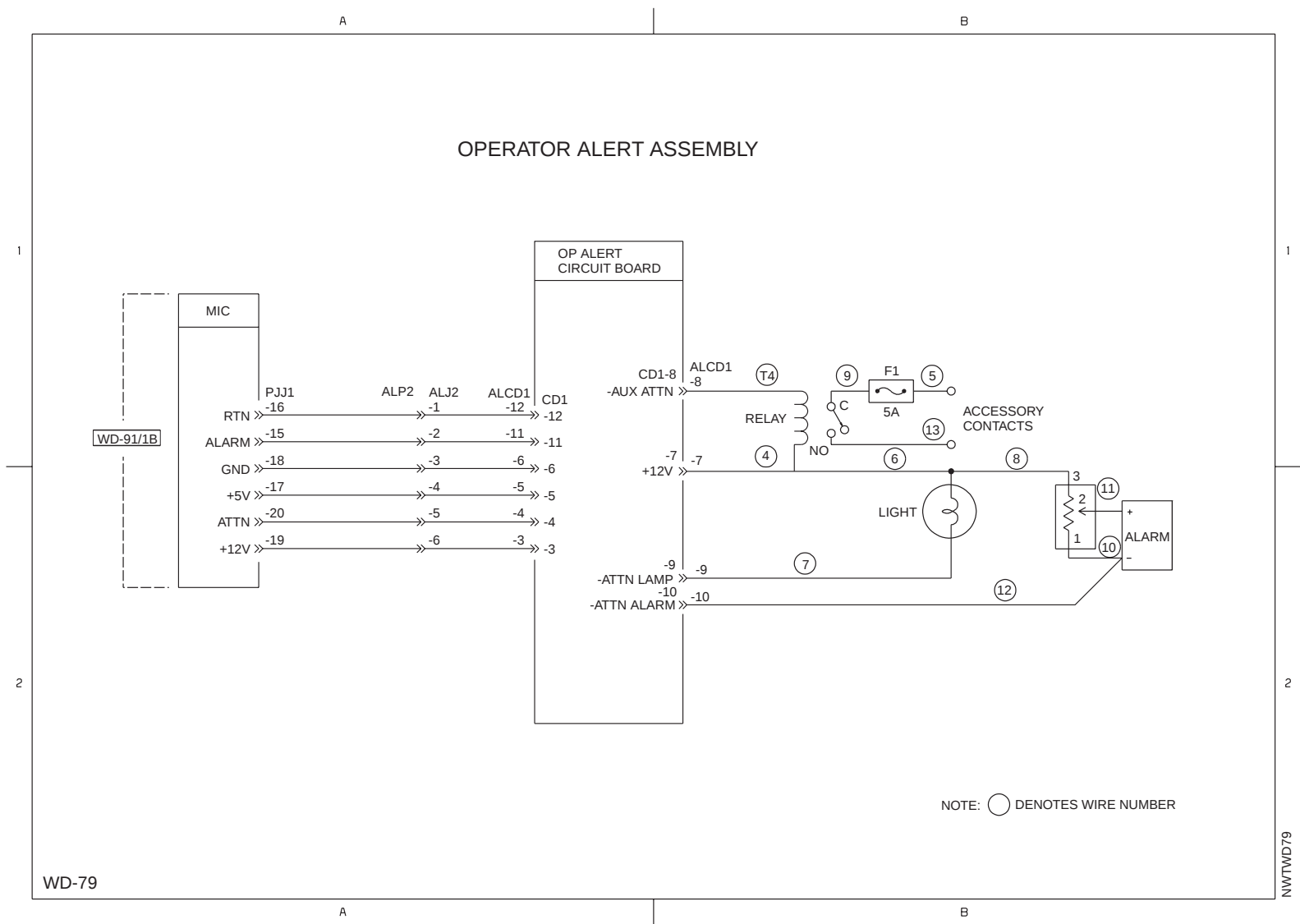
WD77 - MIC to Printer Control Cable (2 of 2)



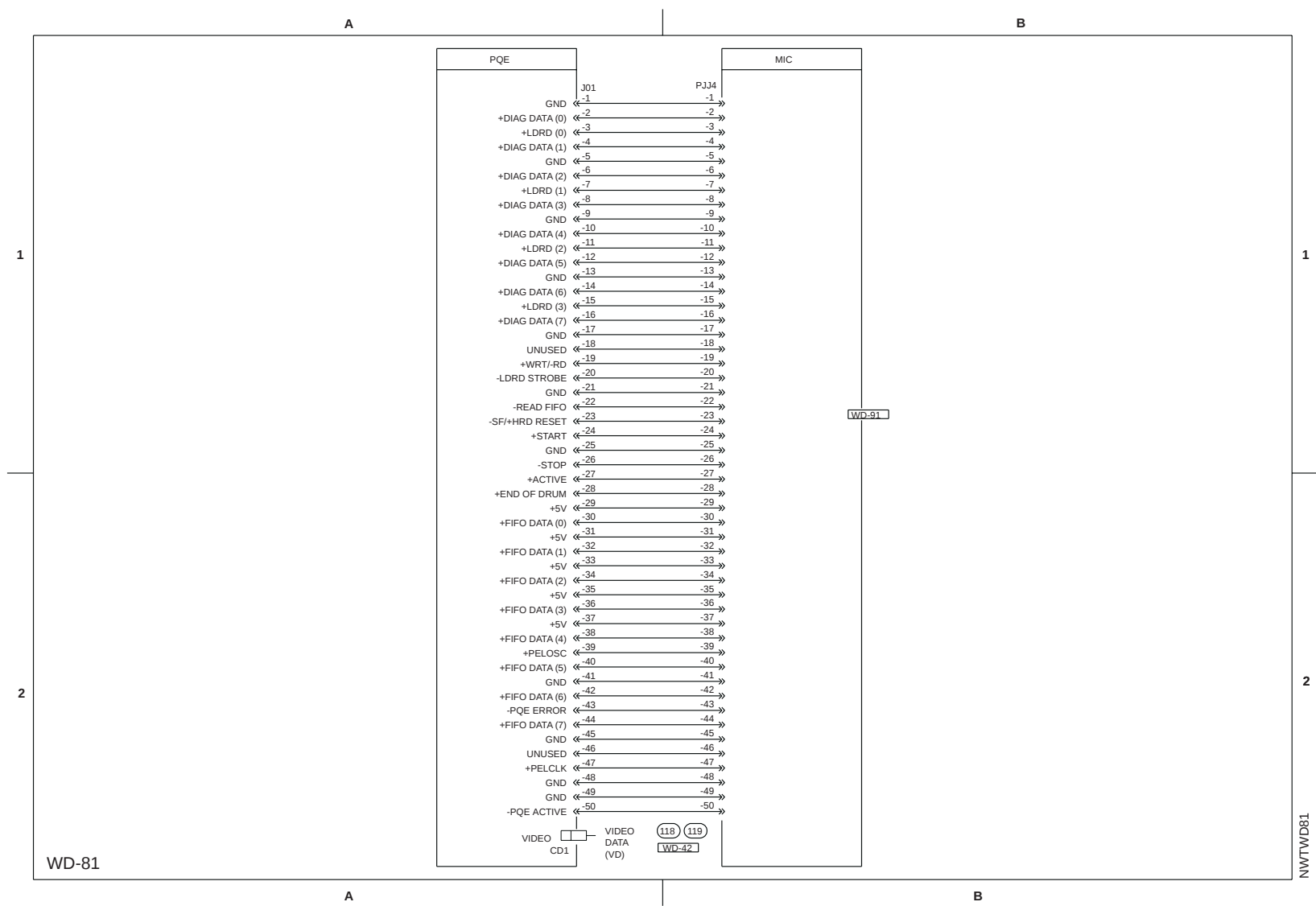
WD78 - MIC to Operator's Panel



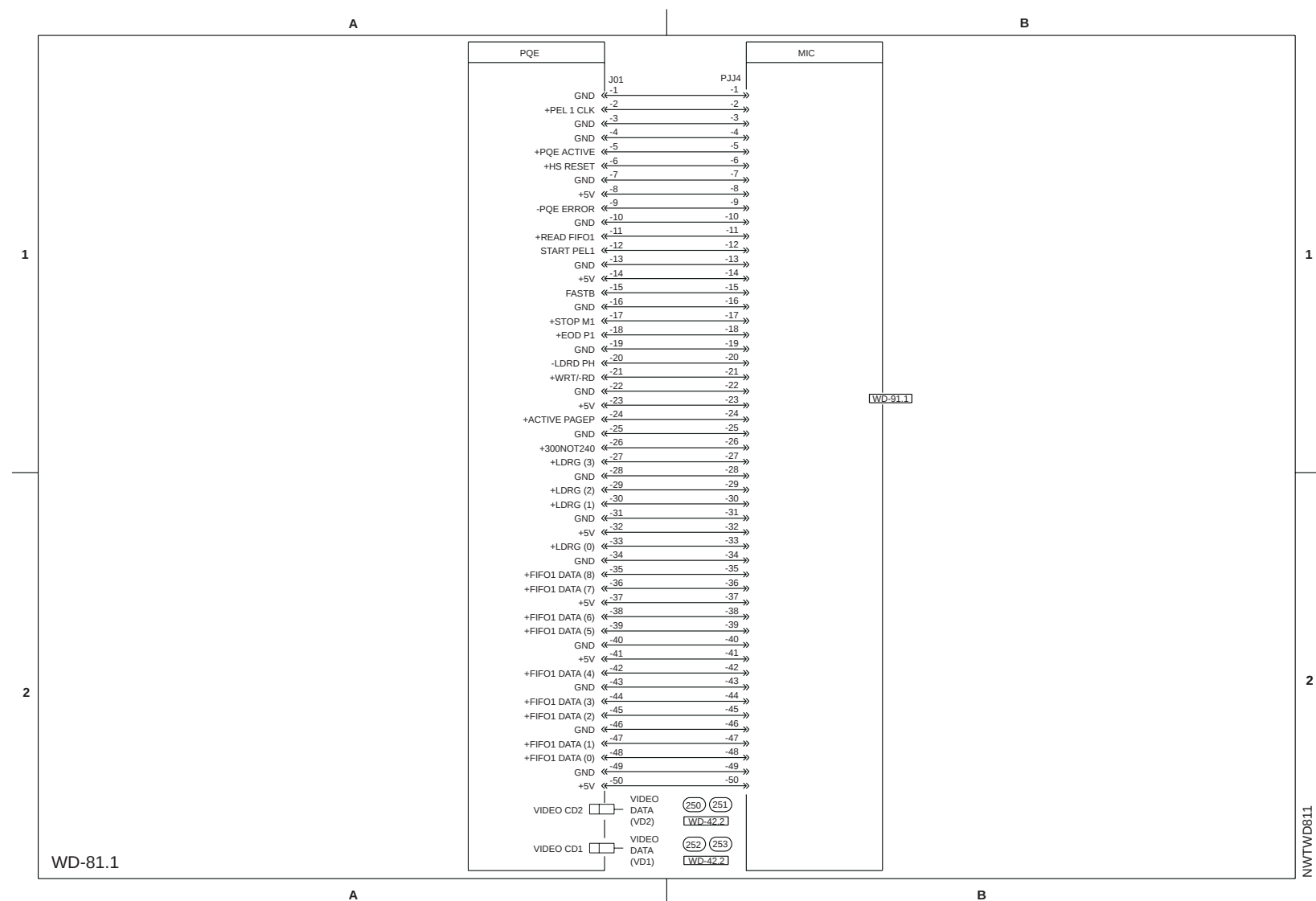
WD79 - MIC to Operator Alert Assembly



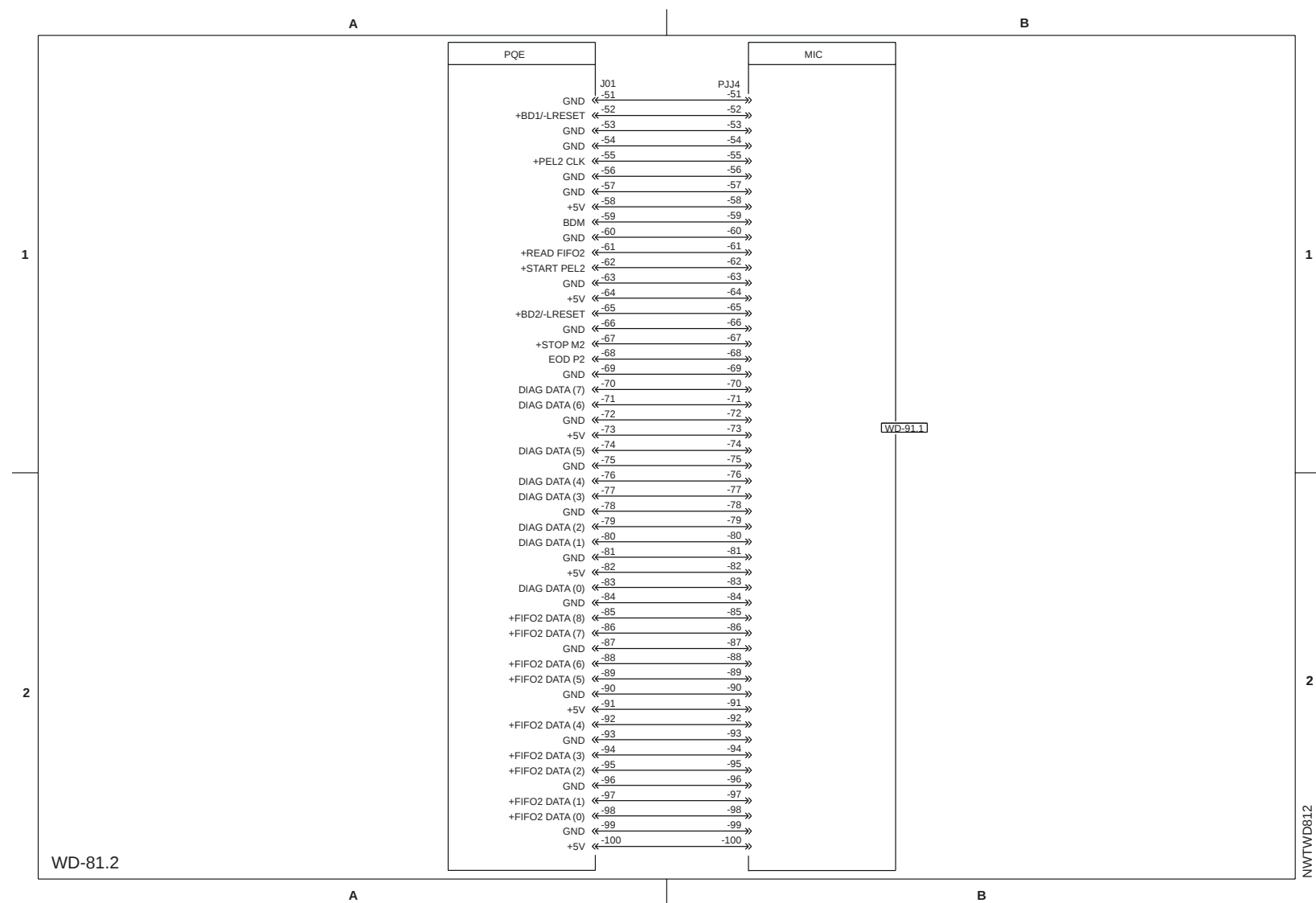
WD81 - PQE (Single Beam Printhead)



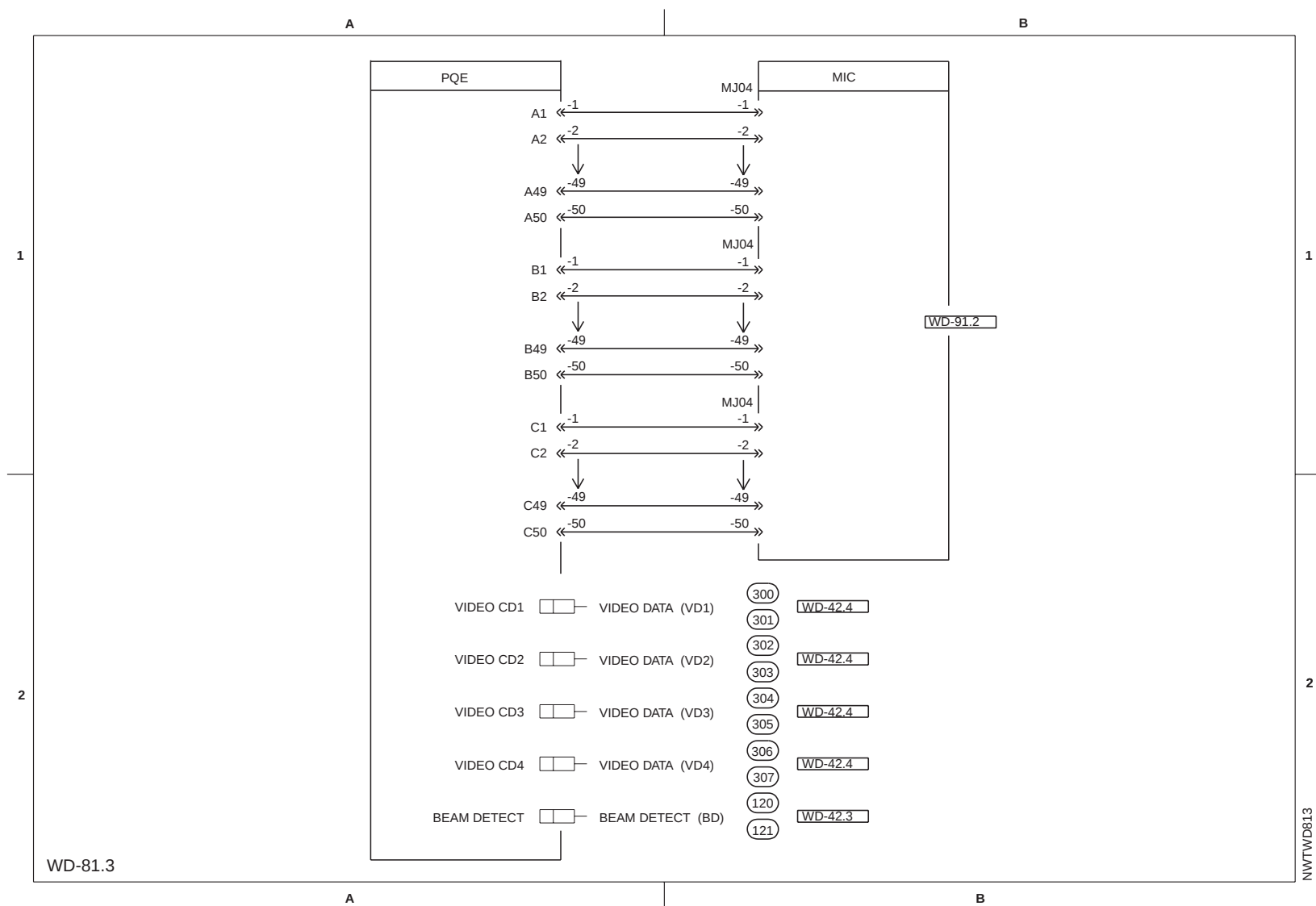
WD81.1 - PQE (Two Beam Printhead) (1 of 2)



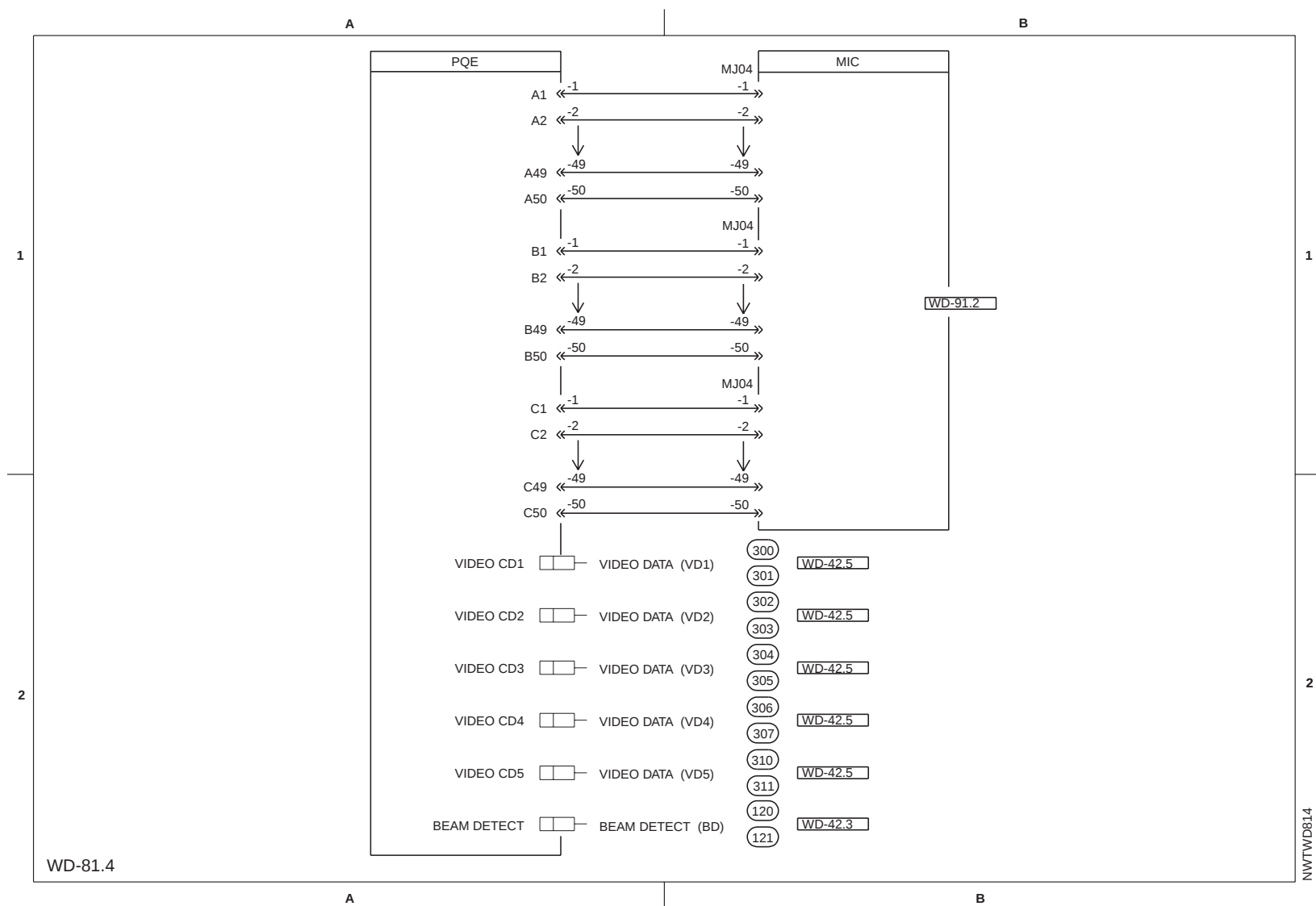
WD81.2 - PQE (Two Beam Printhead) (2 of 2)



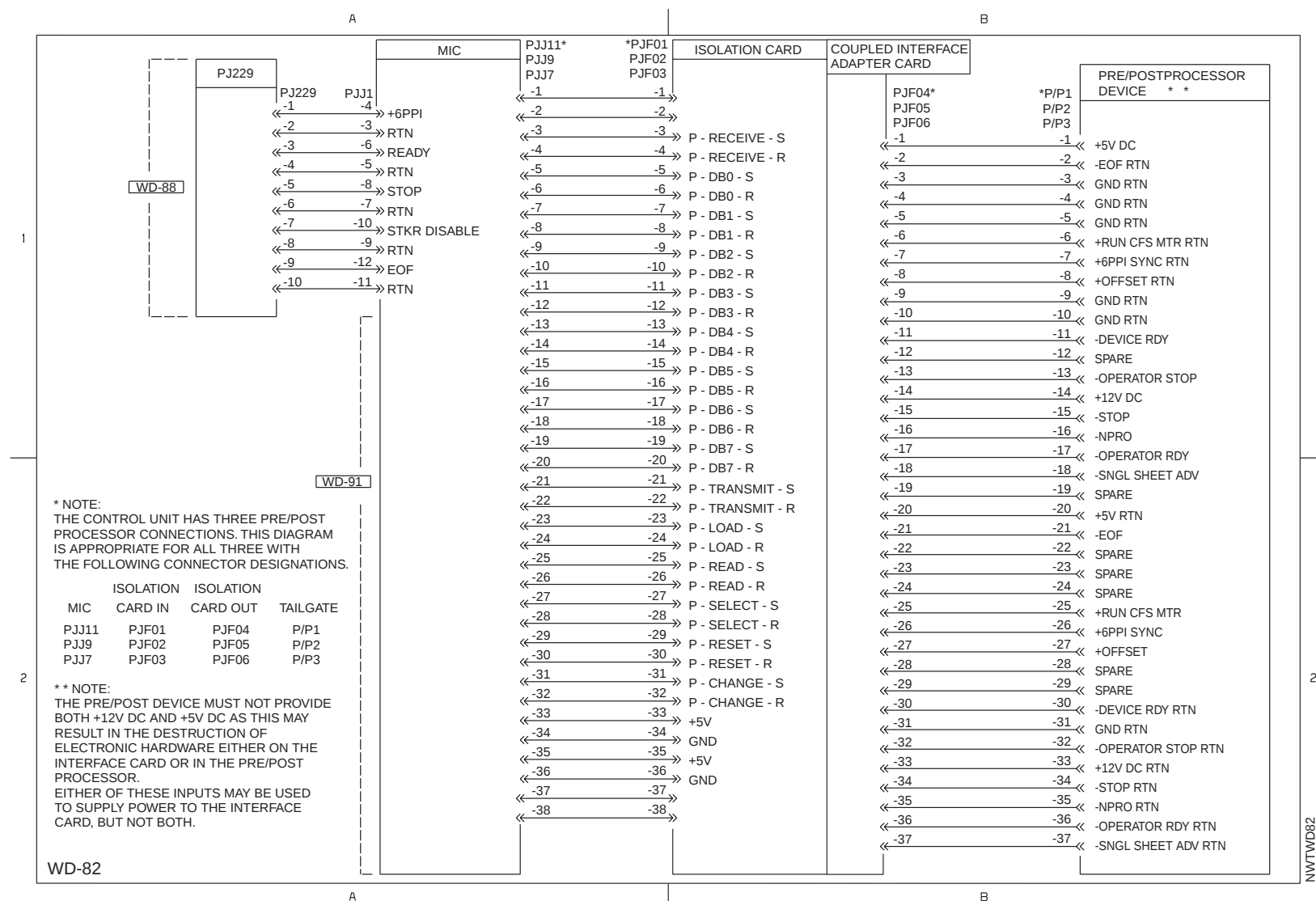
WD81.3 - PQE (Four Beam Printhead)



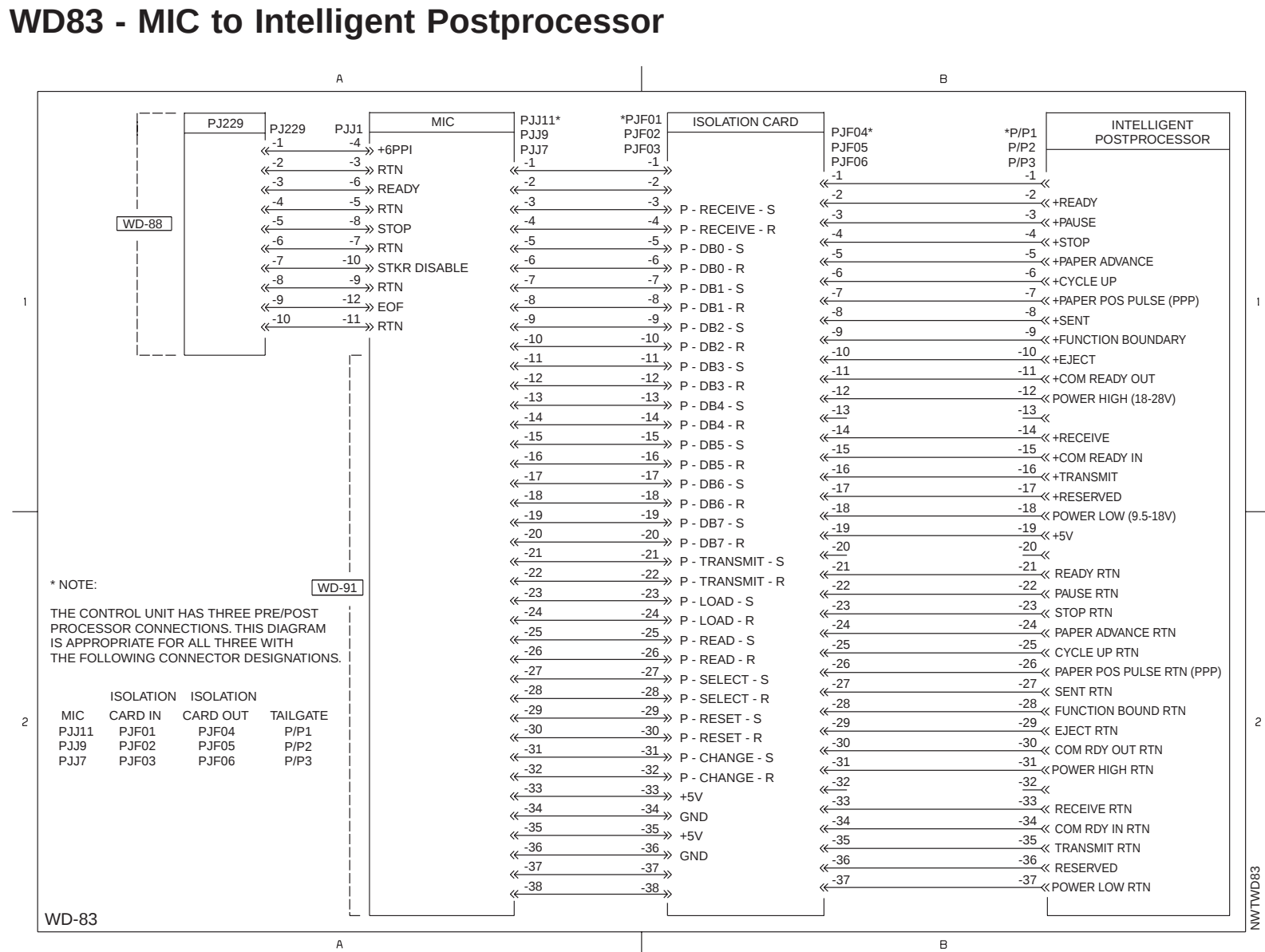
WD81.4 - PQE (Five Beam Printhead)



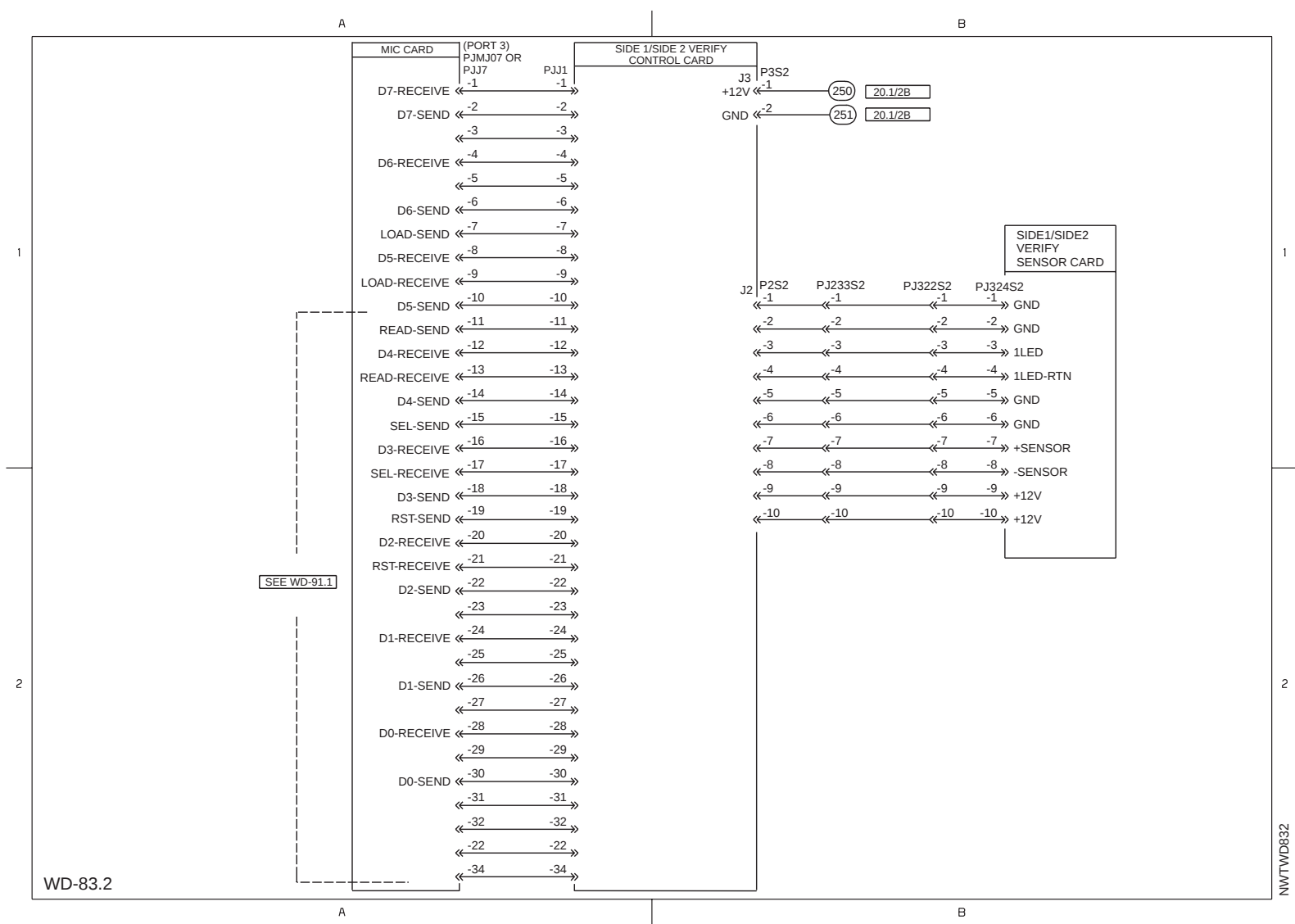
WD82 - MIC to Coupled Pre/Postprocessor Interface



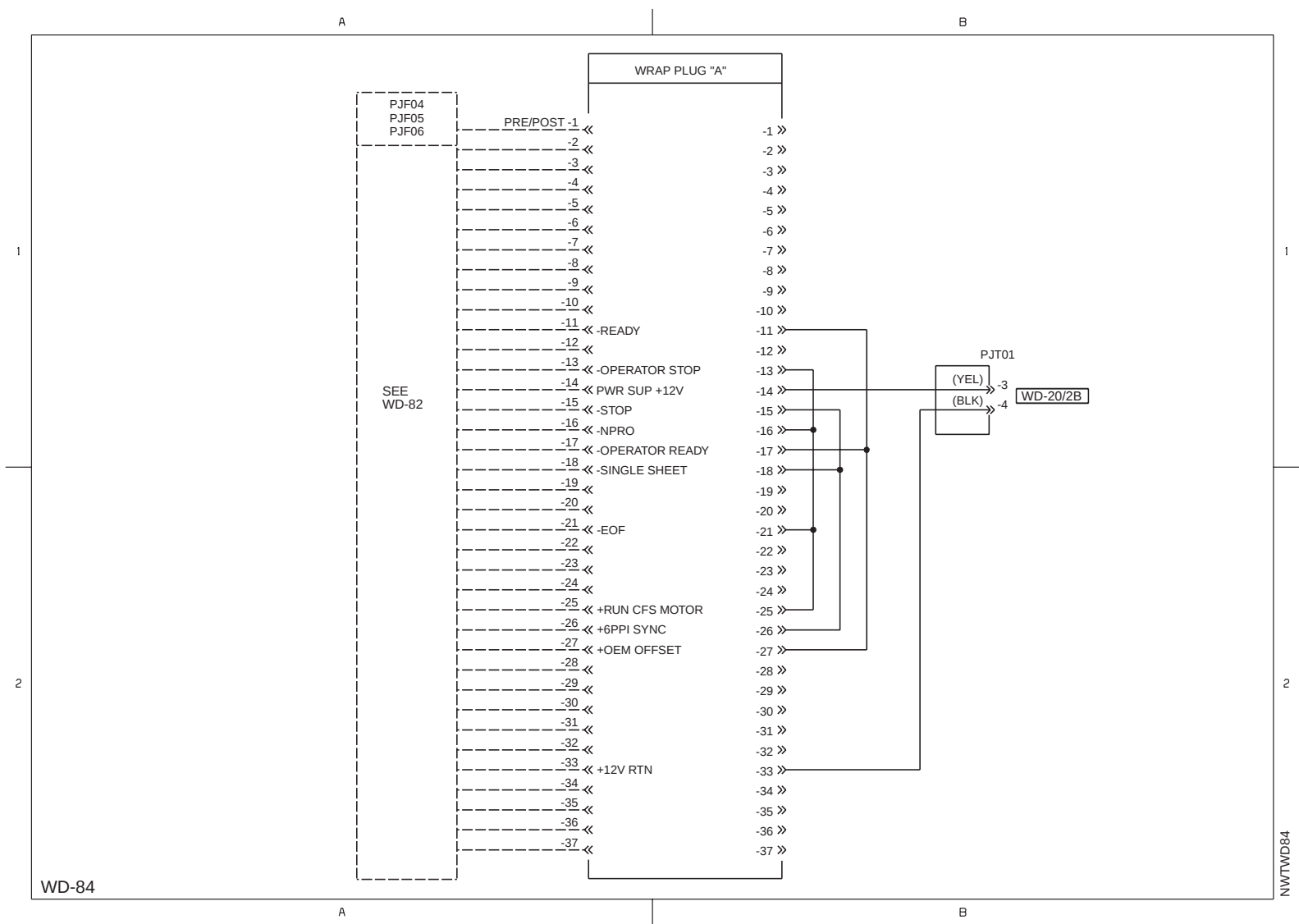
WD83 - MIC to Intelligent Postprocessor



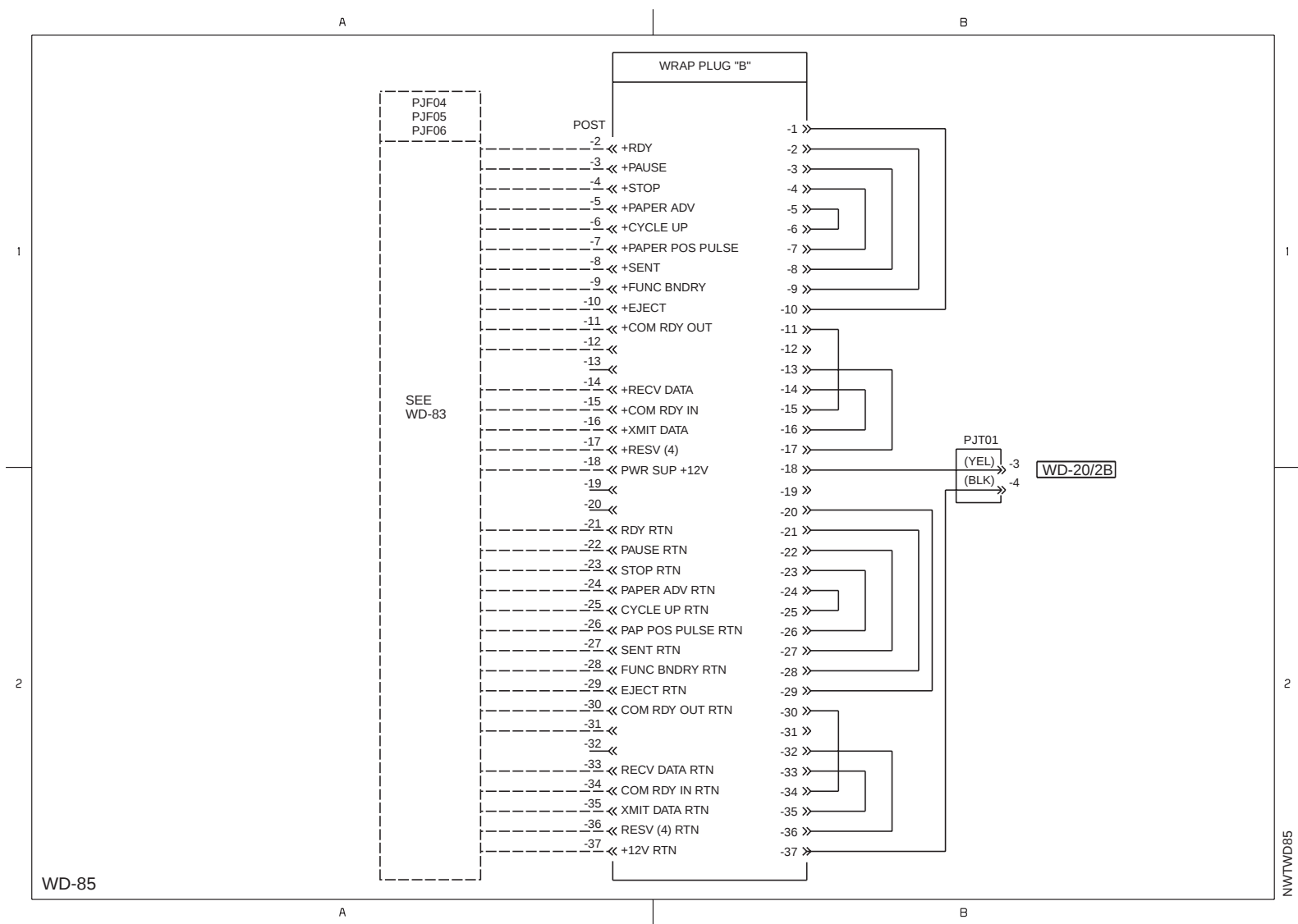
WD83.2 - Side 1/Side 2 Verify to MIC (InfoPrint 4000, Printer 2)



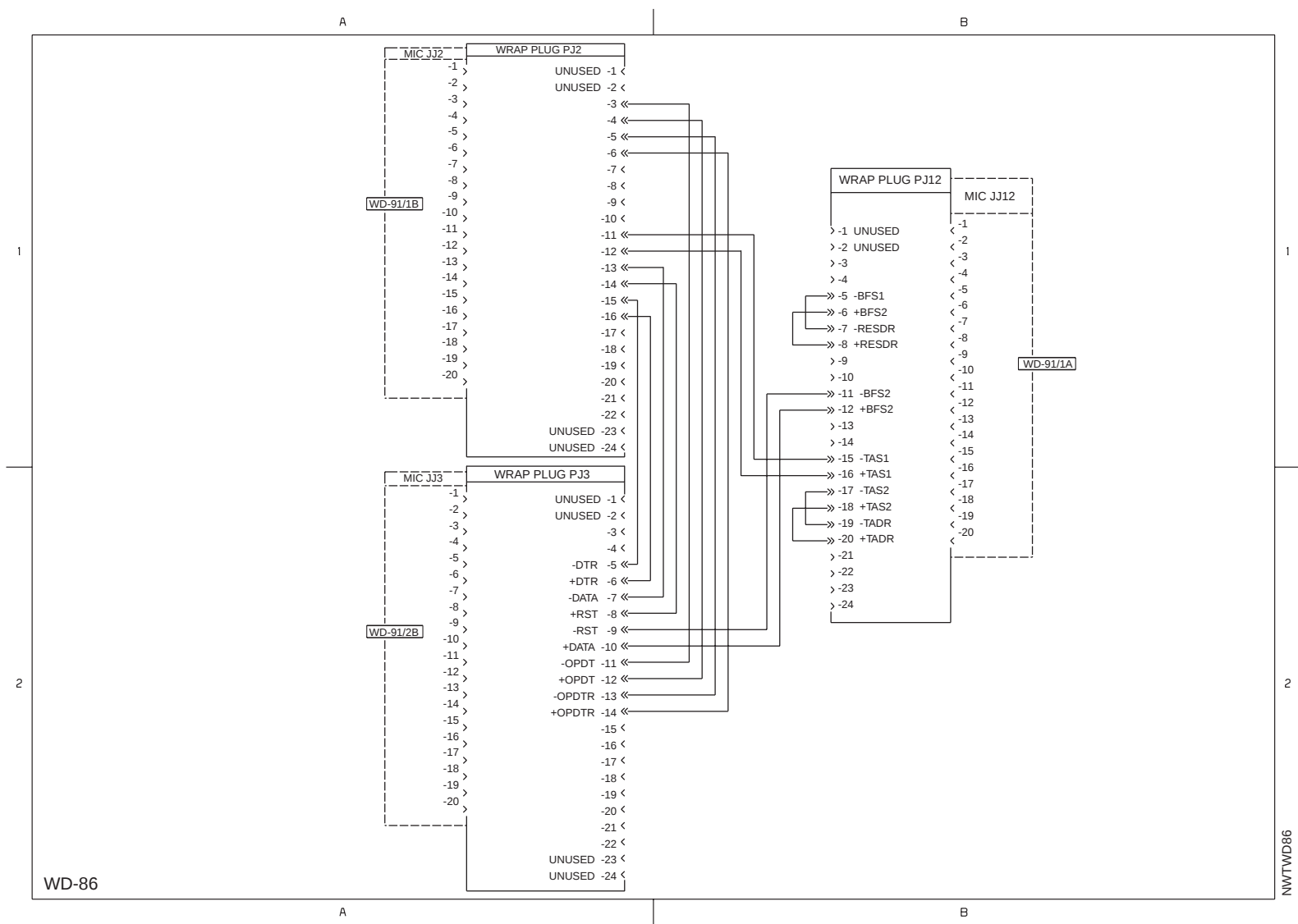
WD84 - Coupled Pre-Postprocessor Interface Wrap Plug 'A'



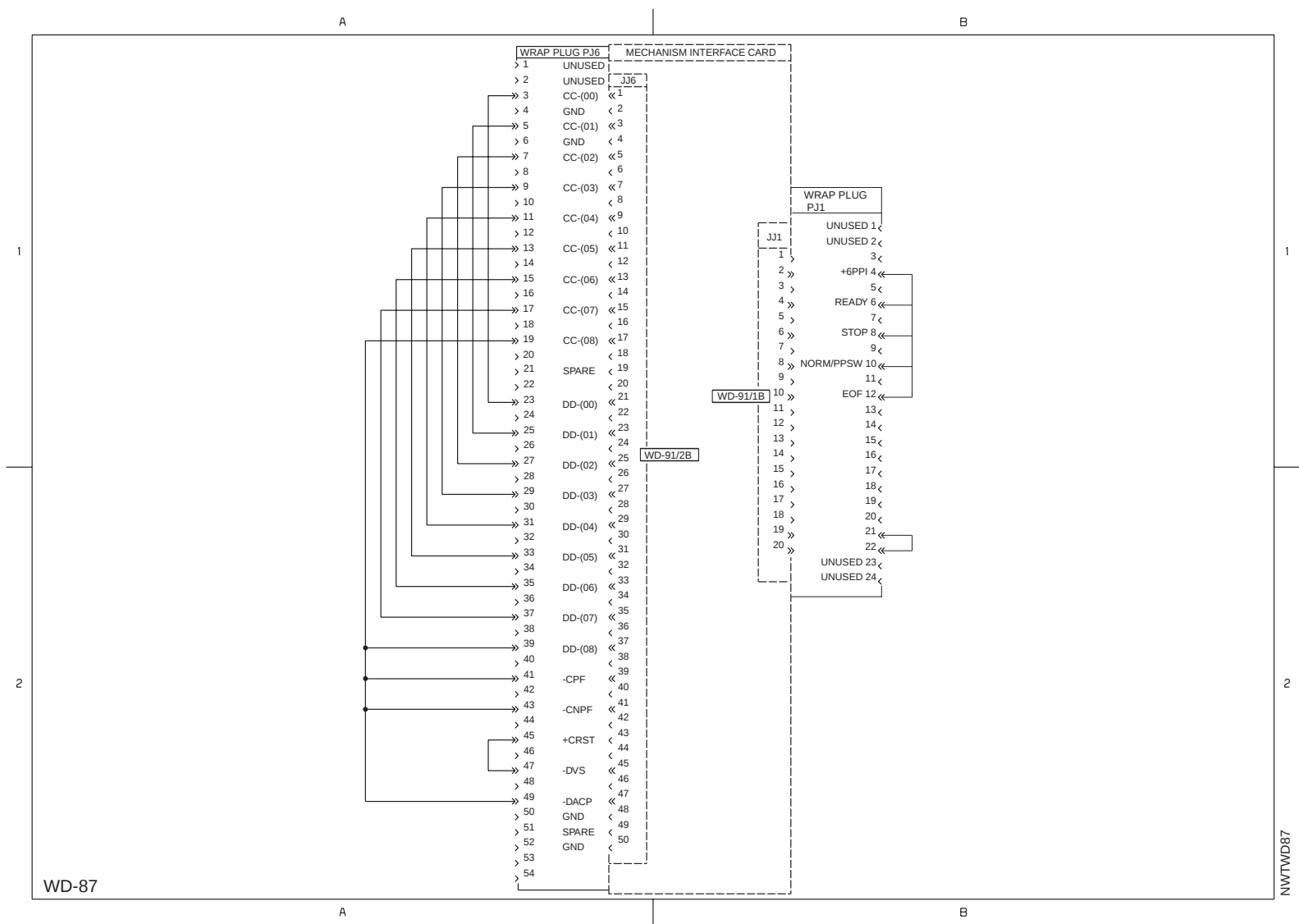
WD85 - Intelligent Postprocessor Interface Wrap Plug 'B'



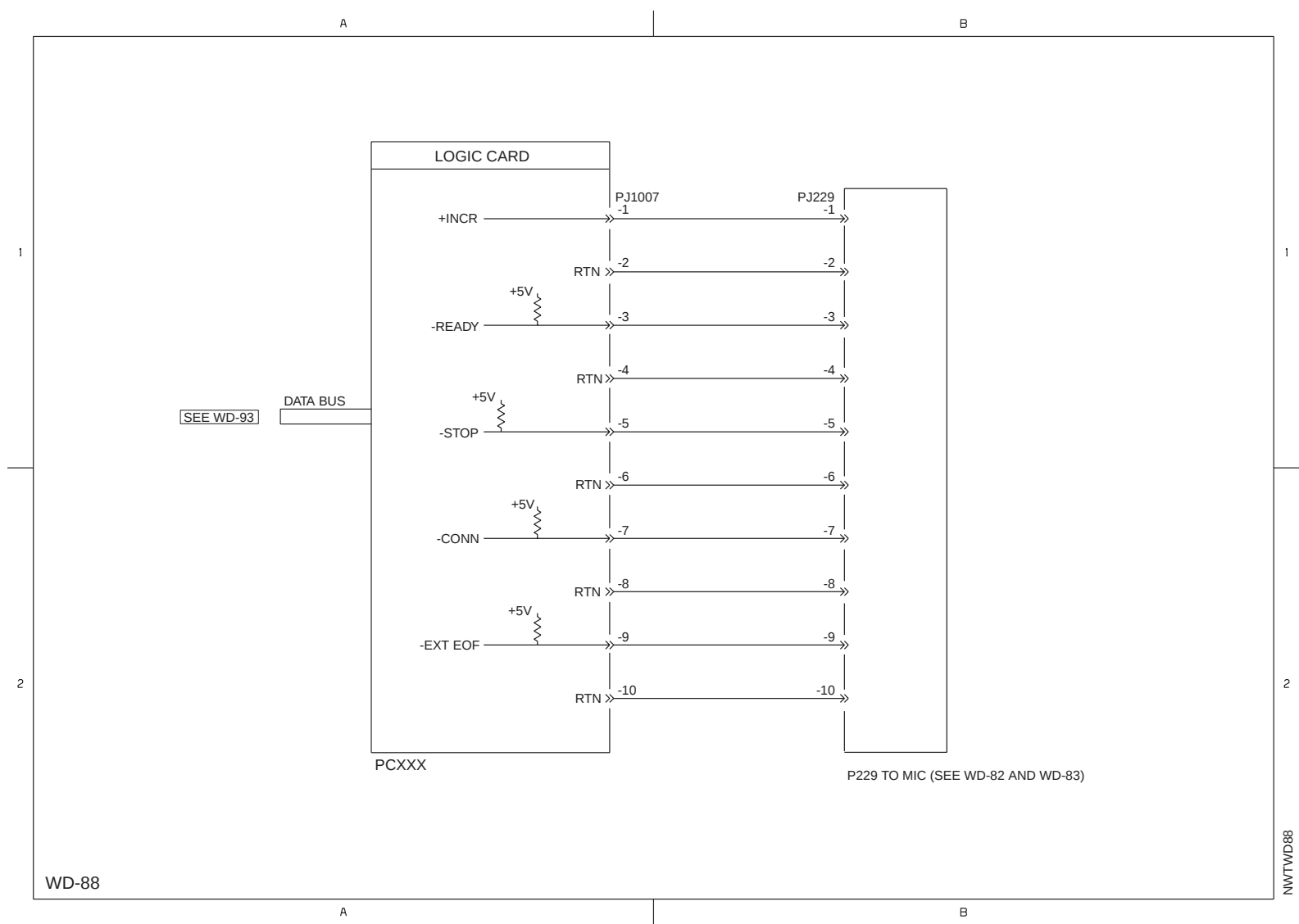
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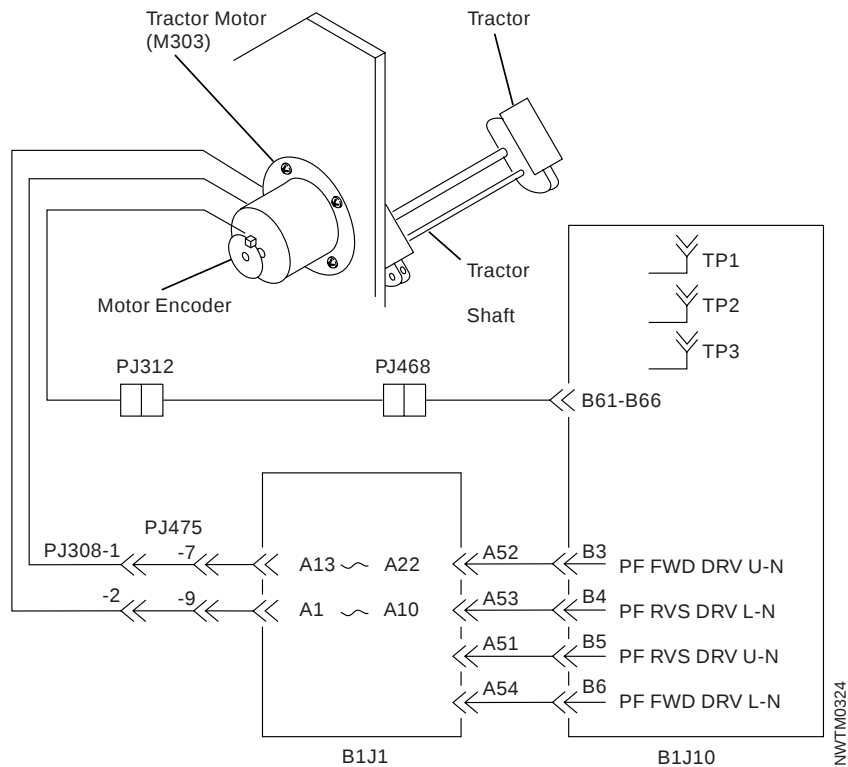
Retractor Motor (M304)

Retractor Motor Encoder

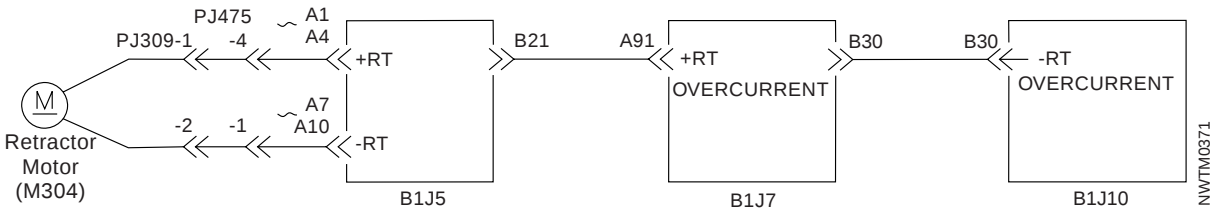
Wiring Diagram:

- Motor Connections:**
 - B24: V+
 - B27: V-
 - B25: RT FWD DRV U-N
 - B26: RT RVS DRV U-N
- Encoder Connections:**
 - B21: V+
 - B22: V-
 - B23: RT FWD DRV L-N
 - B24: RT RVS DRV L-N
 - B25: RT FWD DRV U-N
 - B26: RT RVS DRV U-N
 - B57: -RT ENC SEL
 - B56: +RT BRAKE
 - B55: -RT POS SHR
 - B54: +RT ACCEL
 - B53: -RT CHC

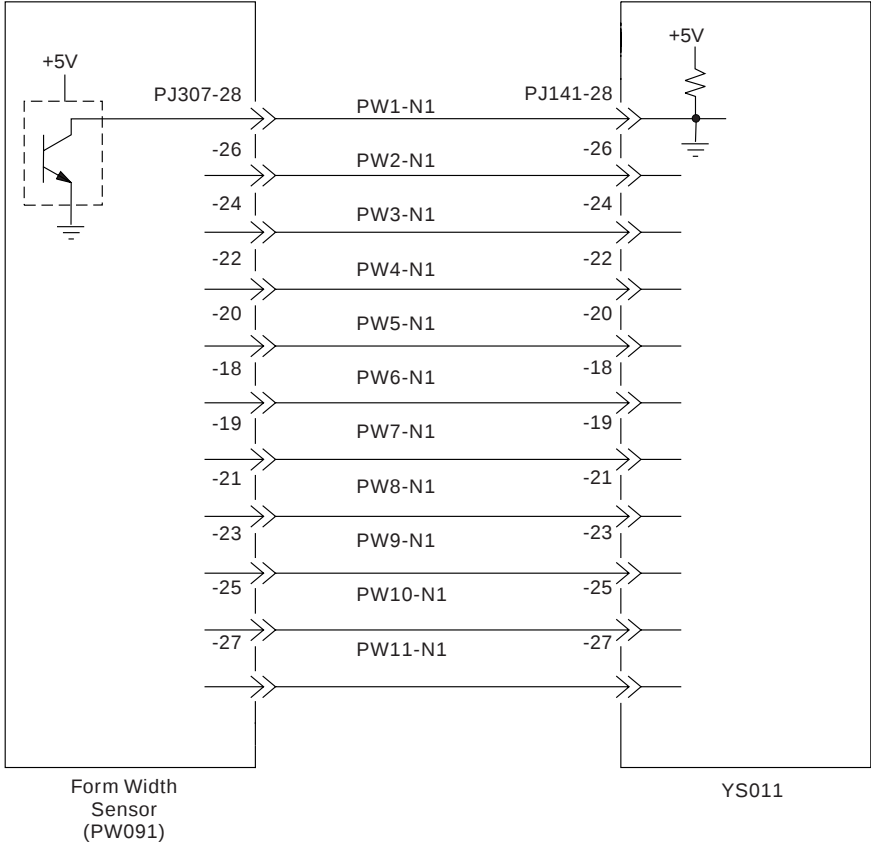
CD02 - Tractor Motor Encoder (M303)



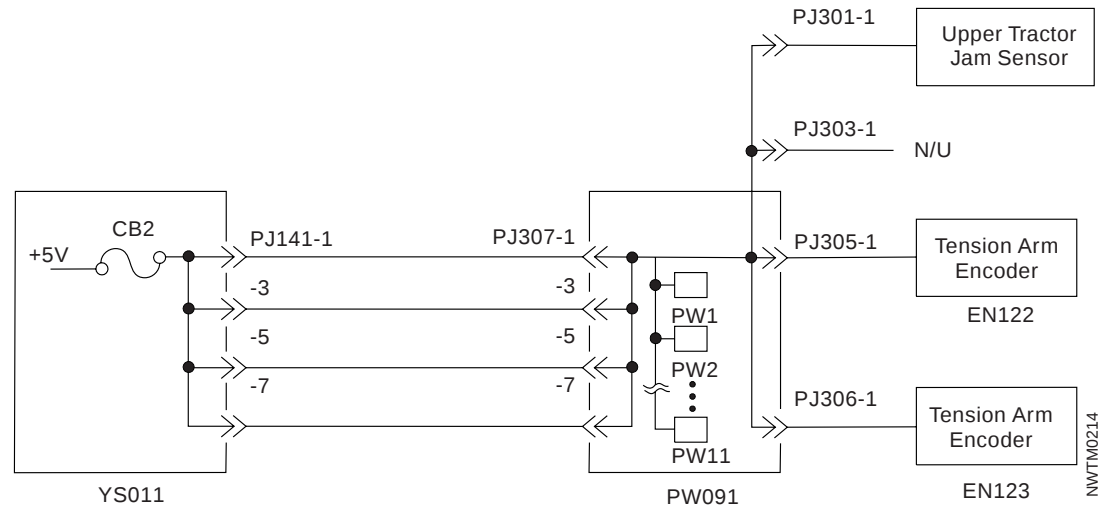
CD03 - Retractor Motor Overcurrent (M304)



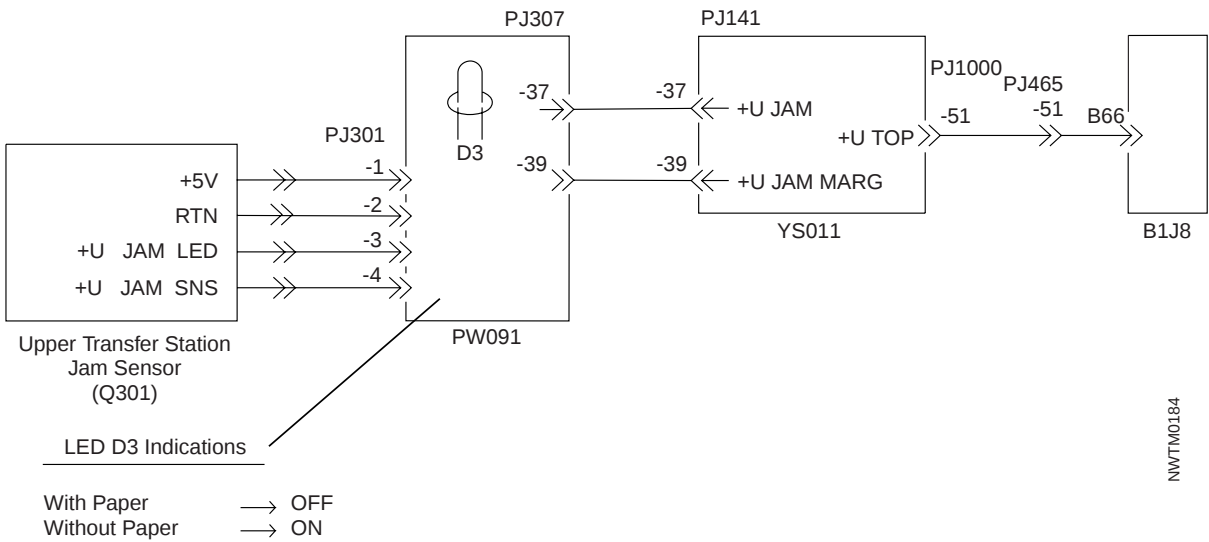
CD04 - Forms Width Hall Sensor



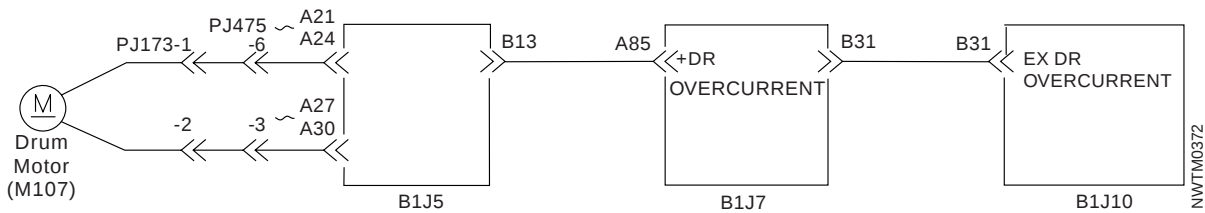
CD05 - Forms Width Sensor Circuit Breaker



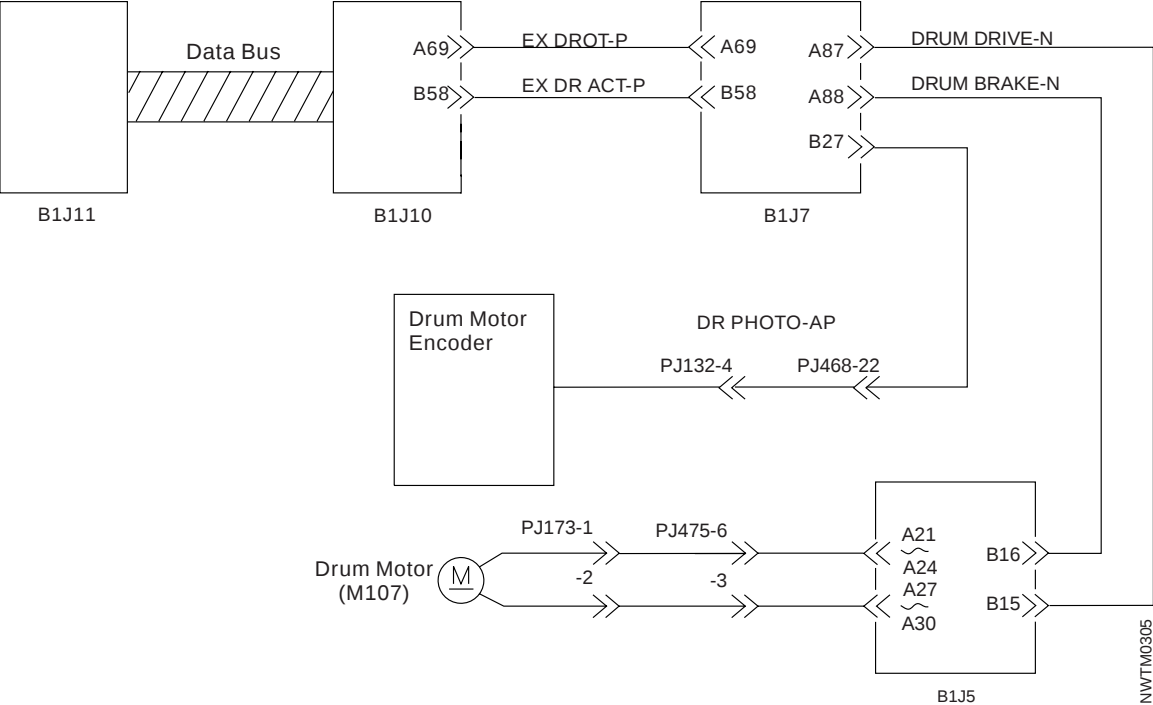
CD06 - Upper Tractor Jam Sensor (Q301)



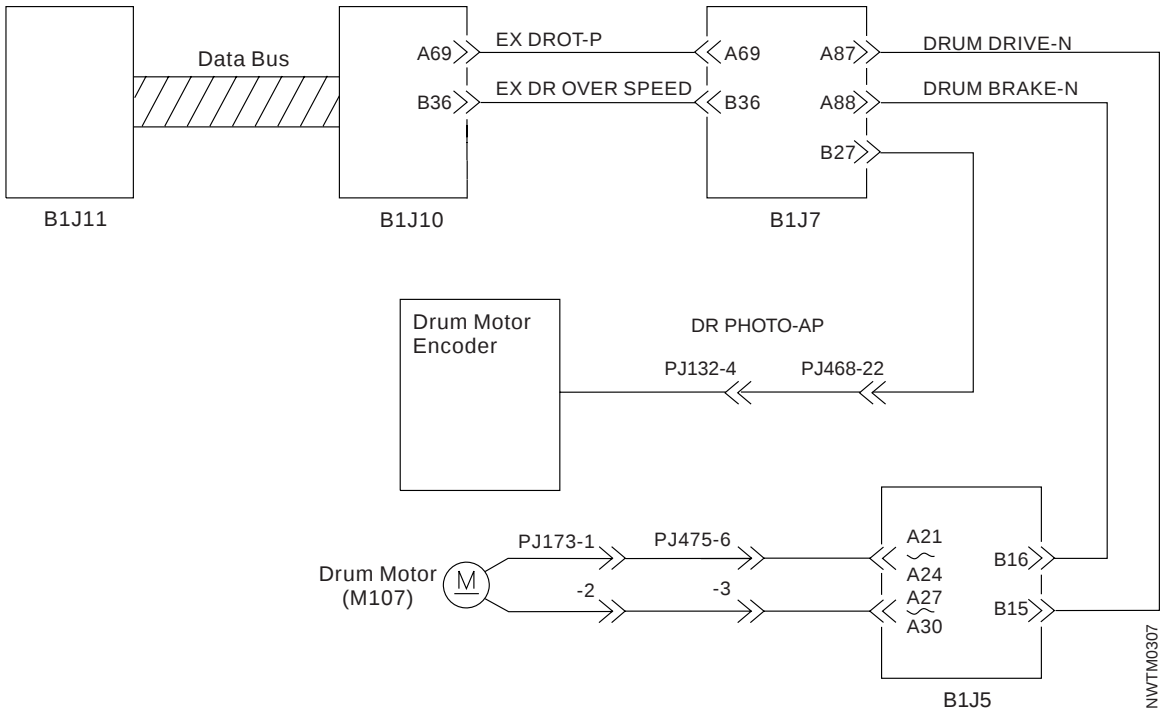
CD07 - Drum Drive Motor Overcurrent Detection (M107)



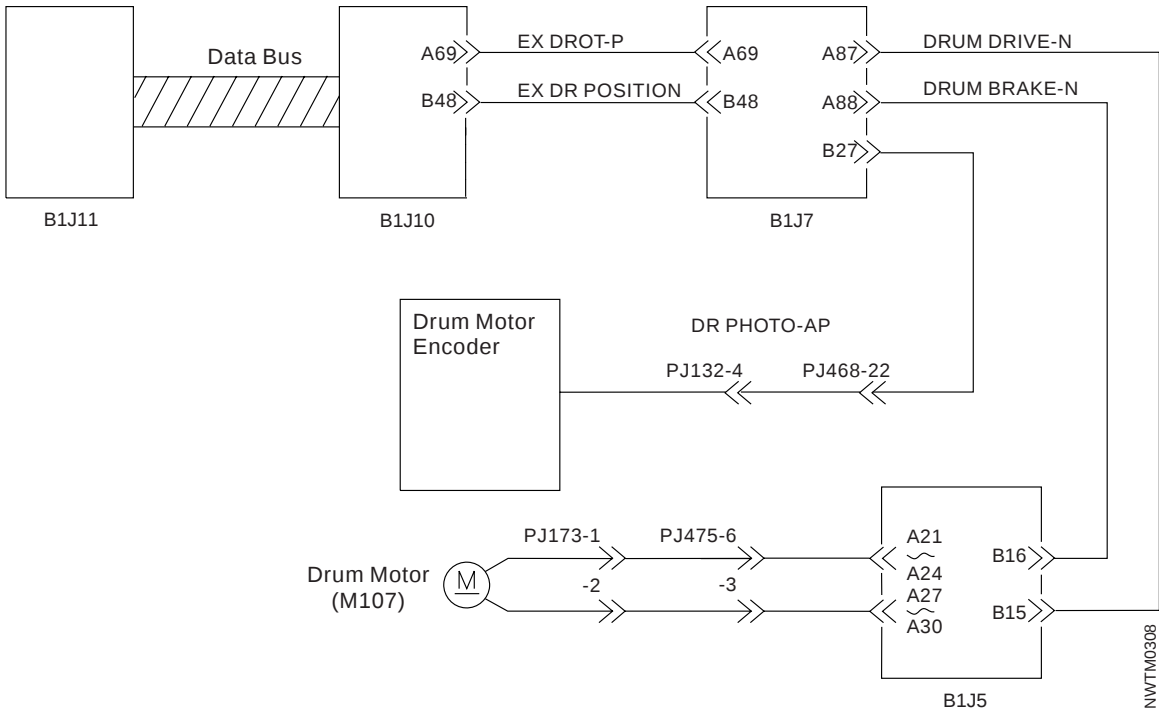
CD08 - Drum Drive Servo Control Time Out (M107)



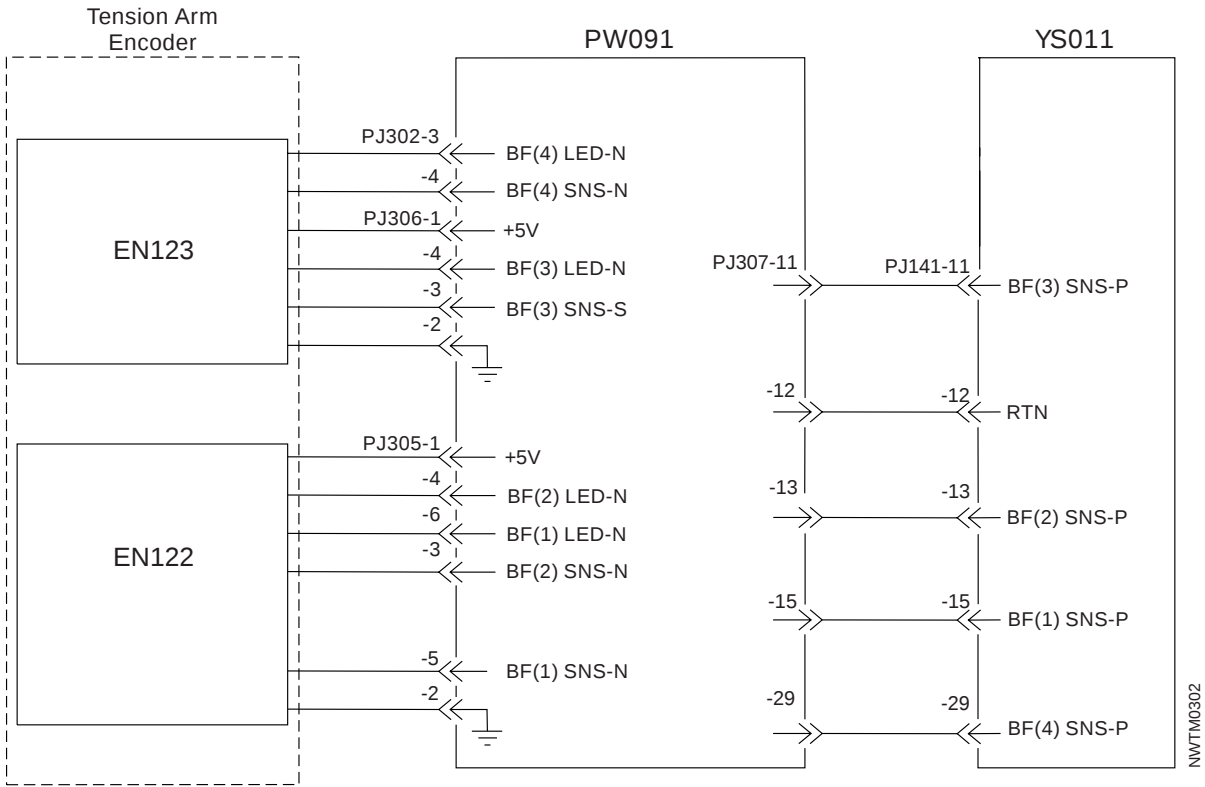
CD09 - Drum Drive Servo Control Overspeed (M107)



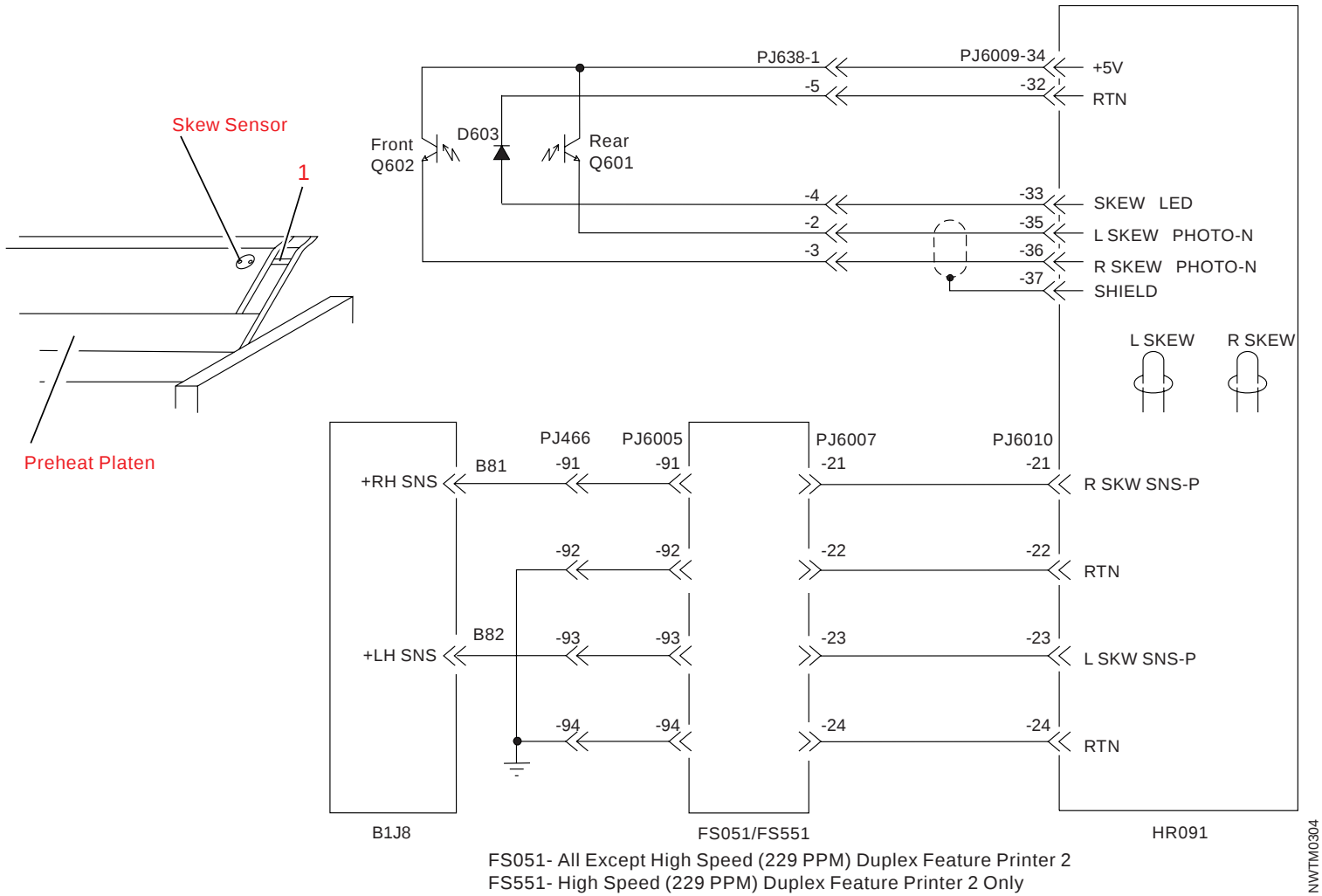
CD10 - Drum Drive Servo Control Position



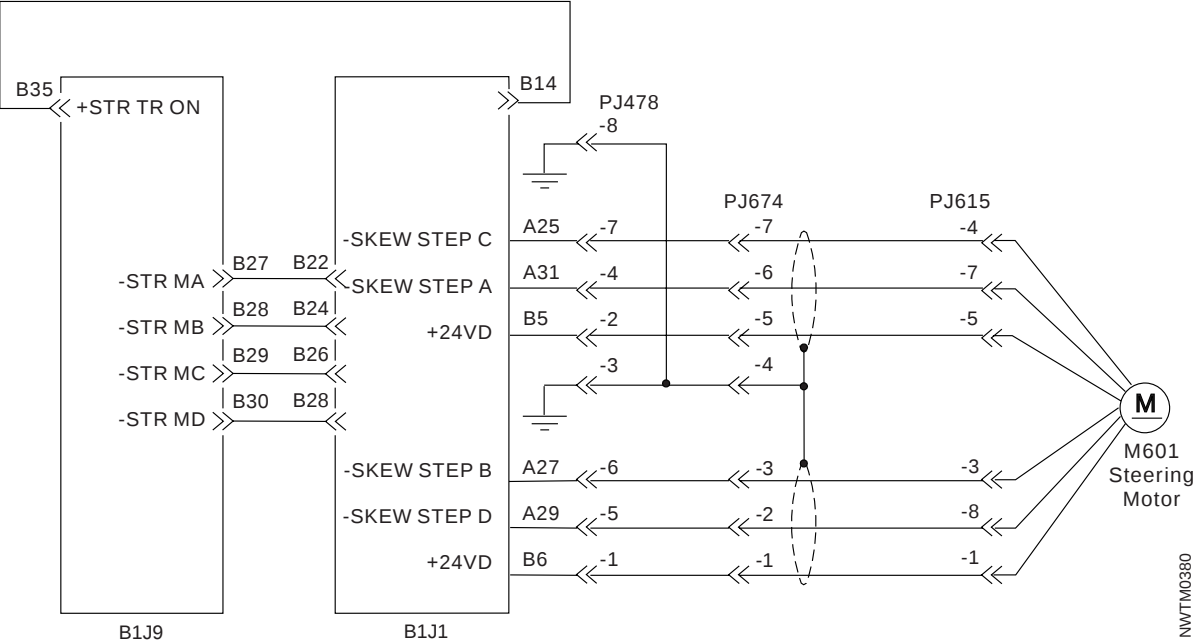
CD11 - Tension Arm Encoder



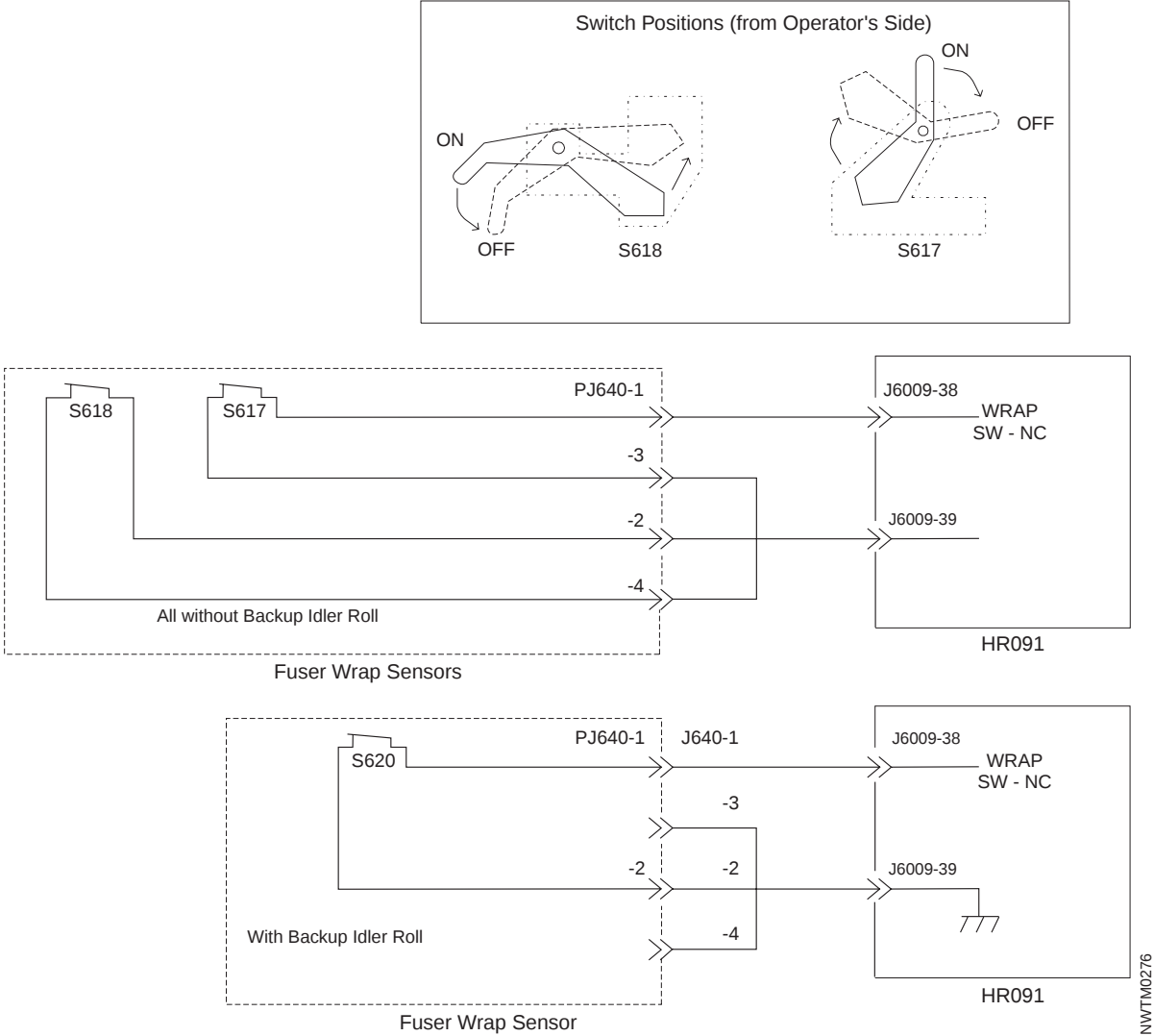
CD12 - Skew Sensor (D604)



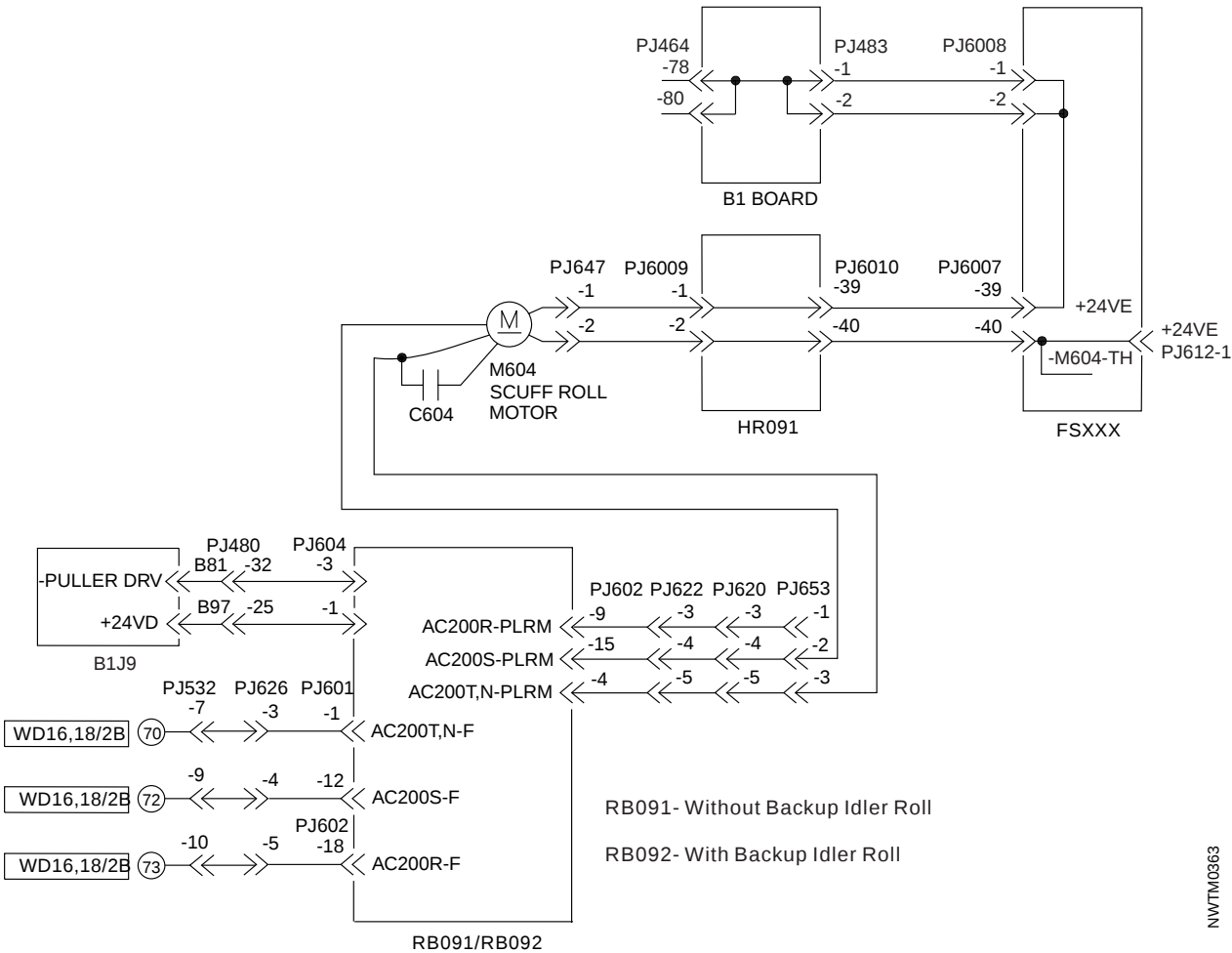
CD13 - Steering Motor (M601)



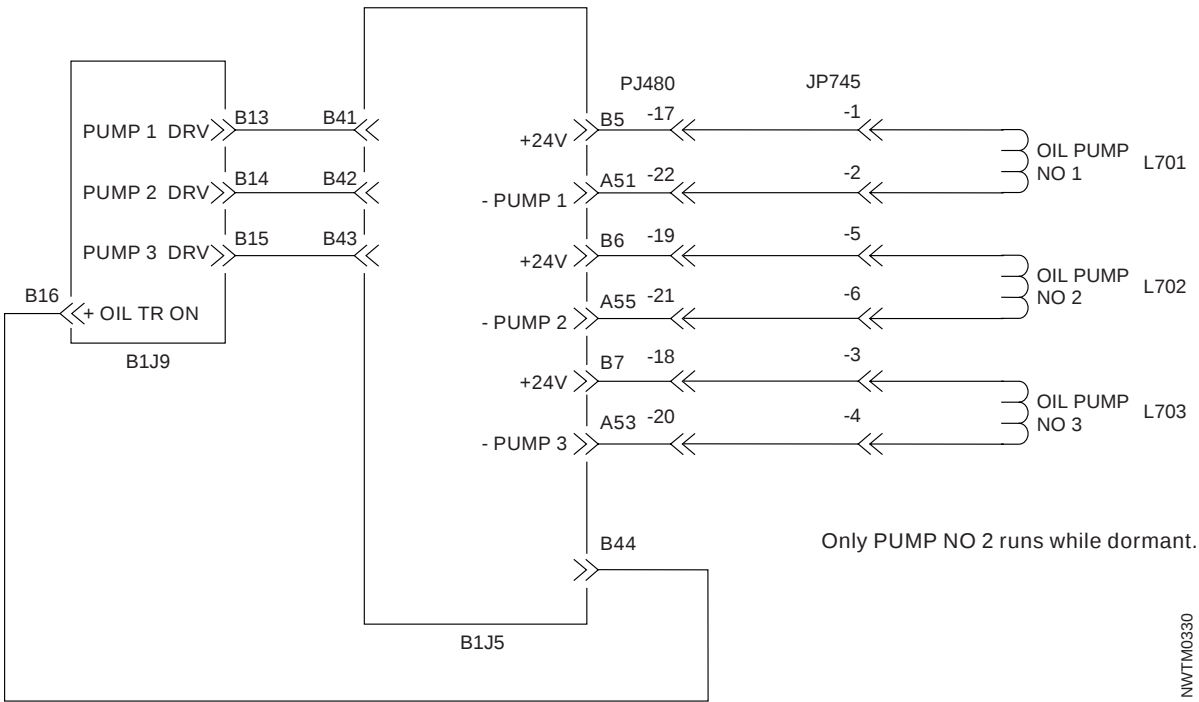
CD14 - Fuser Front Wrap Sensors (S617, S618, S620)



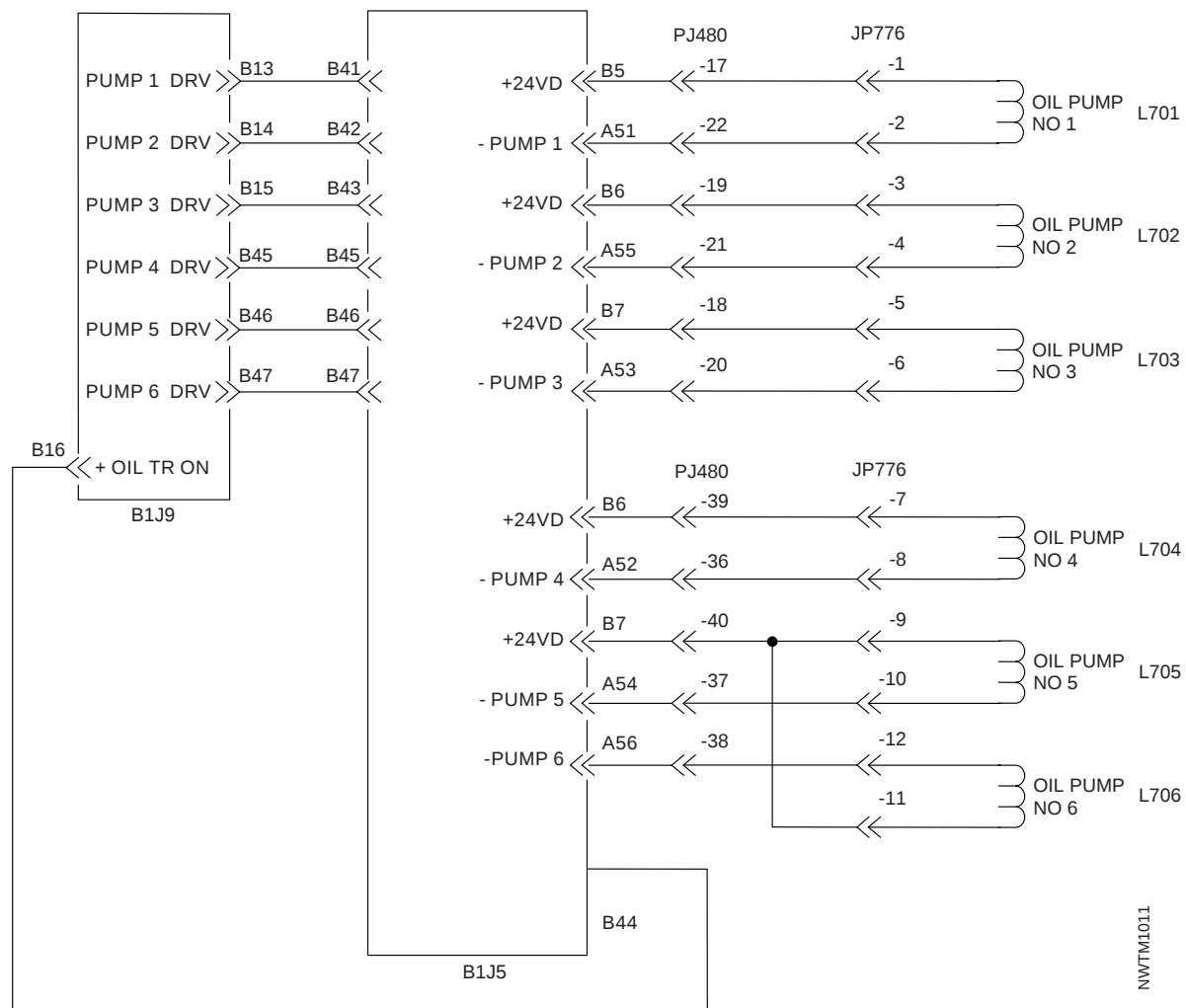
CD15 -Scuff Roll Motor (M604)



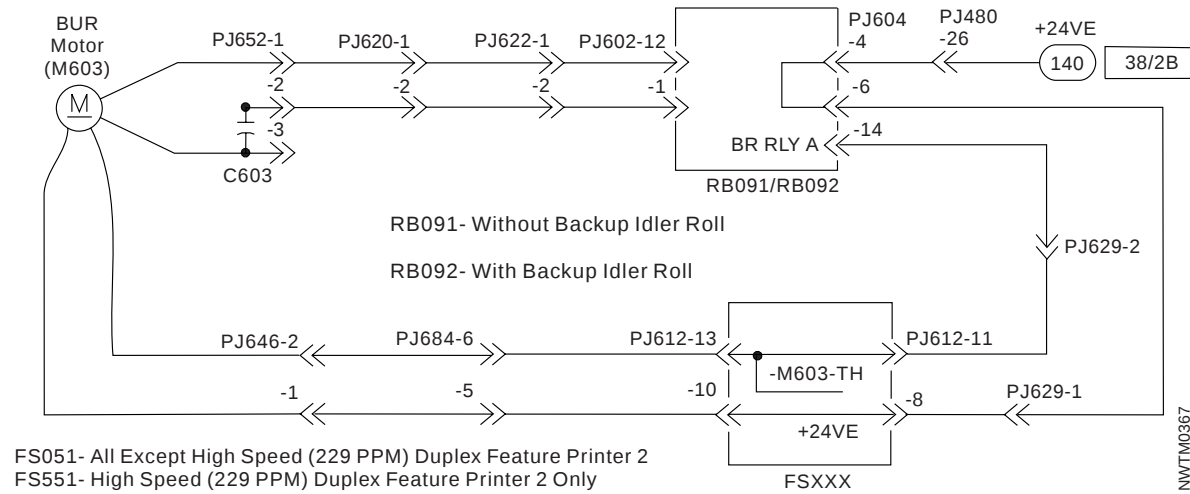
CD16 - Three-Pump Oiling System



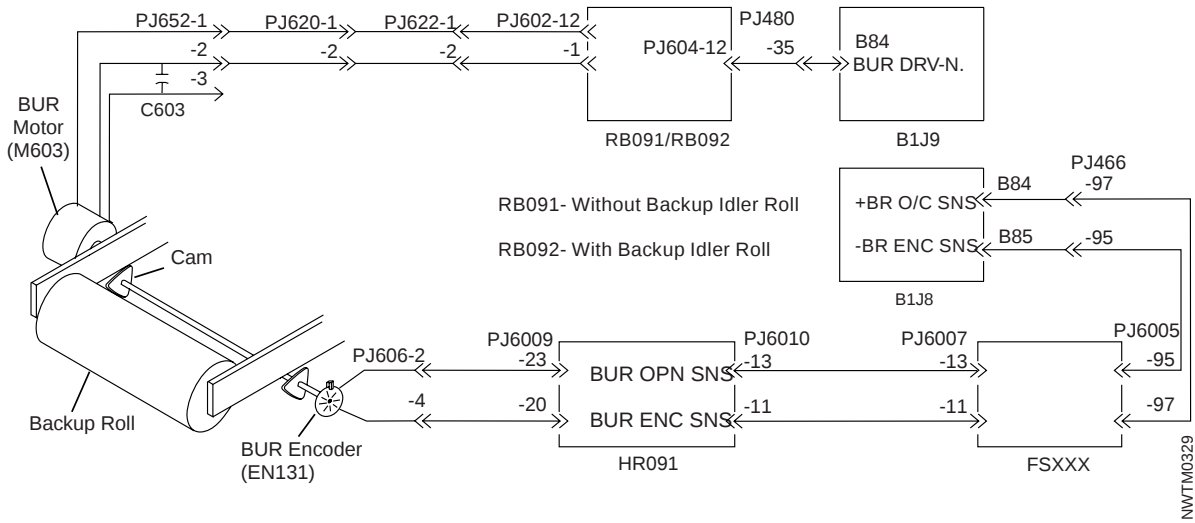
CD17 - Six-Pump Oiling System



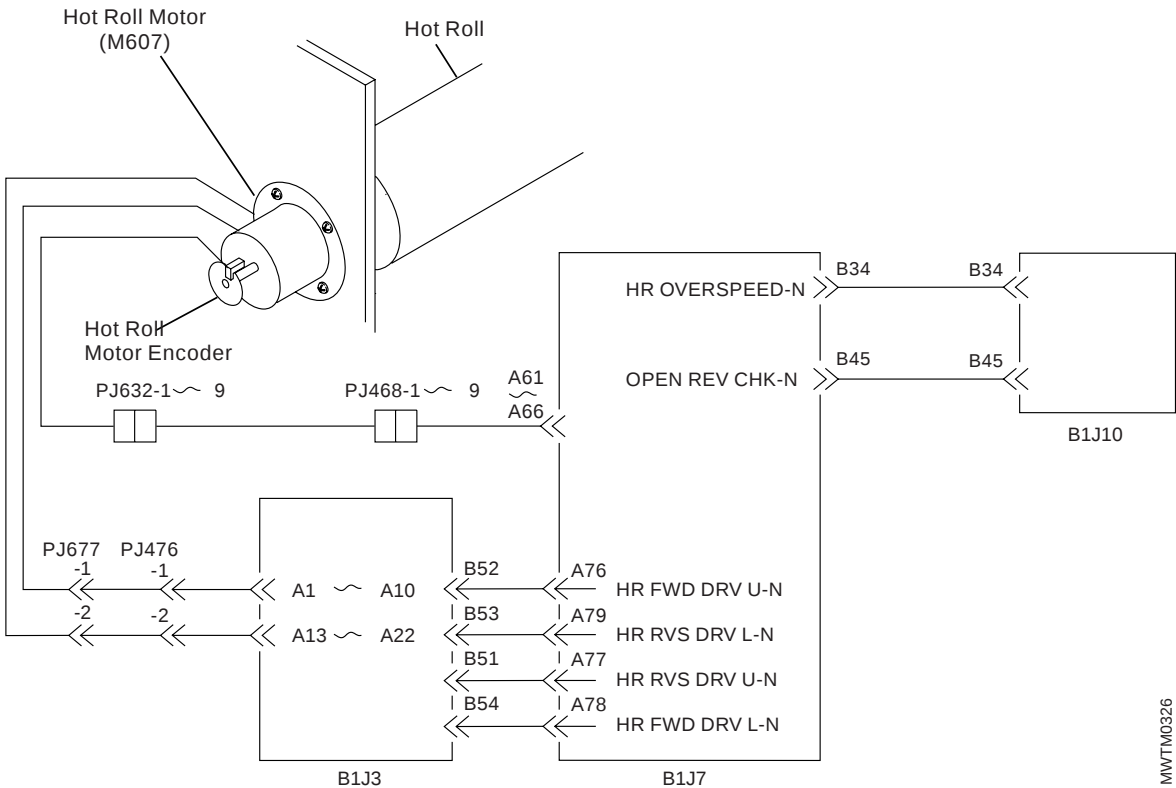
CD18 - Backup Roll Motor and Thermal Sensor (M603)



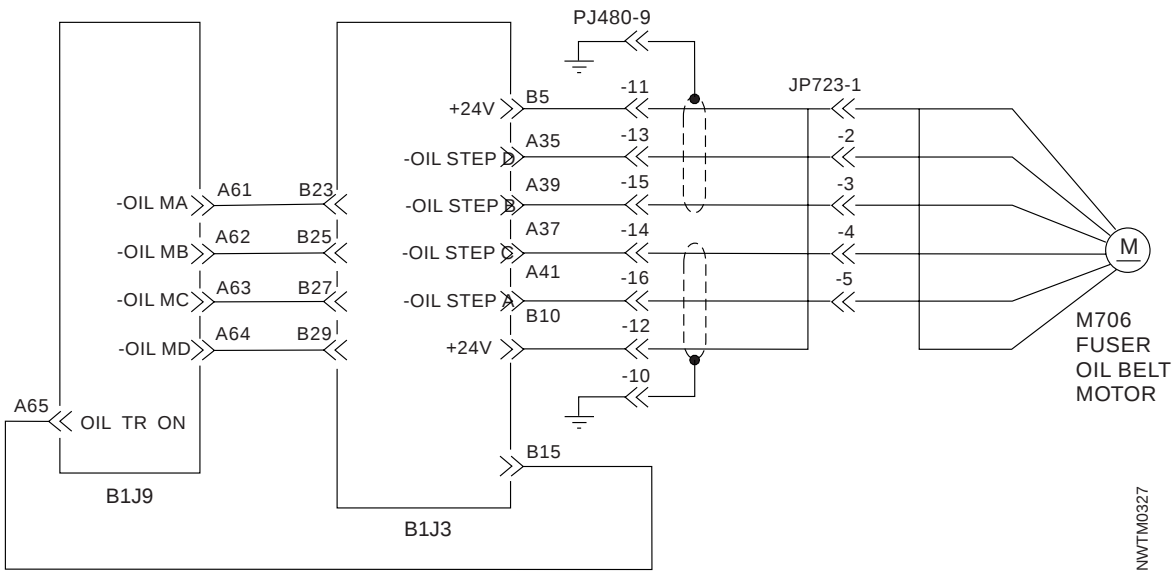
CD19 - Backup Roll Motor (M603) and Encoder (EN131)



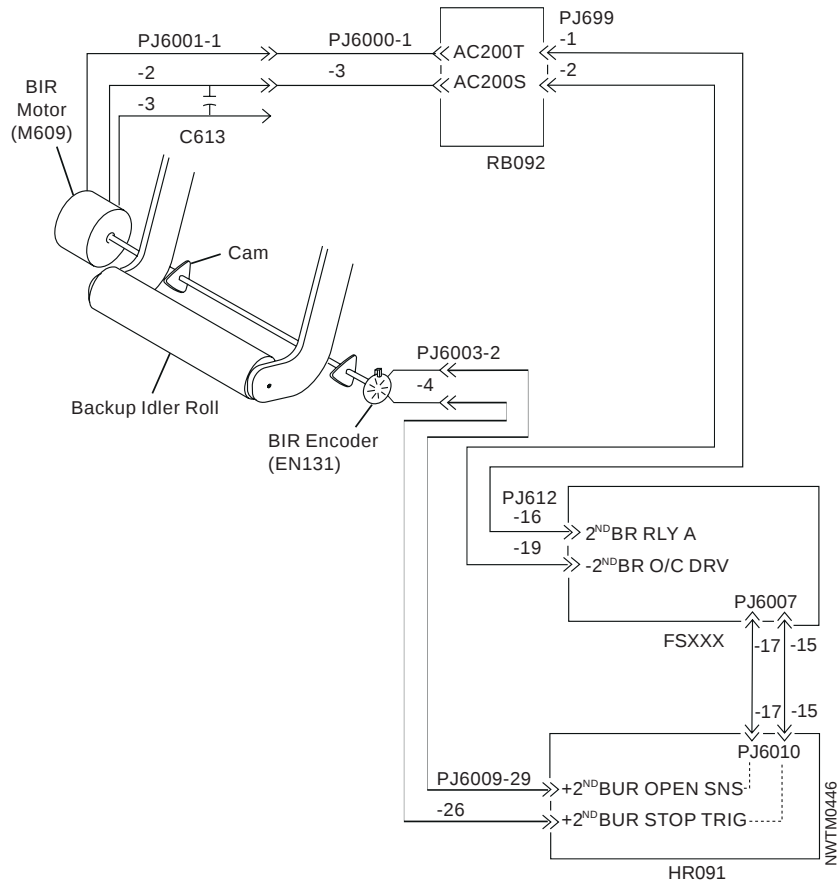
CD20 - Hot Roll Motor Servo Control (M607)



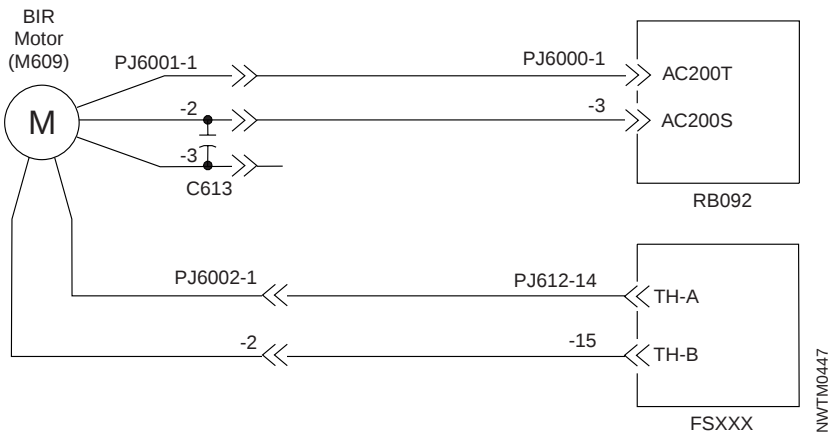
CD21 - Oiler Belt Motor and Driver (M706)



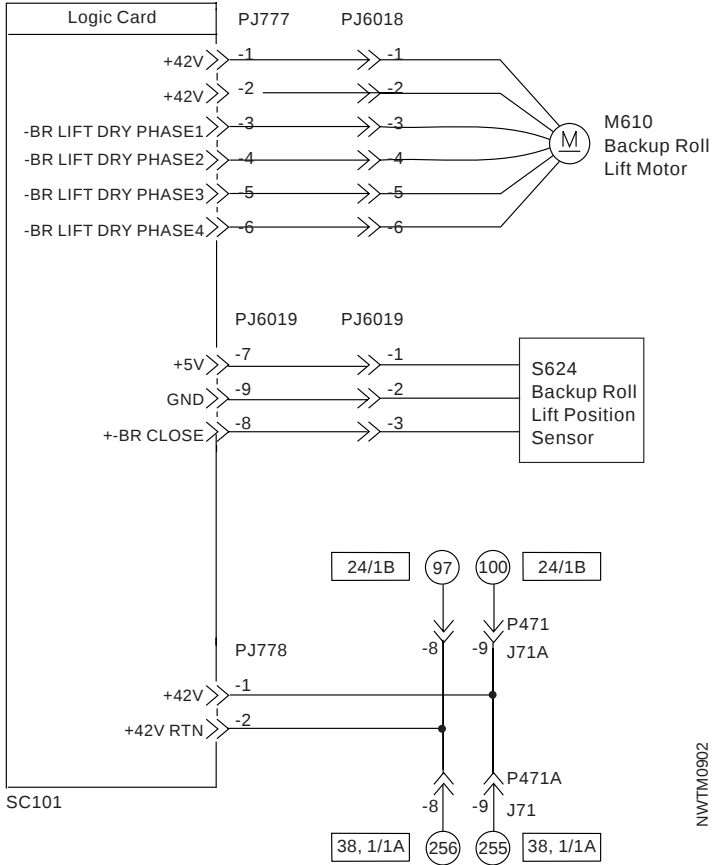
CD22 - Backup Idler Roll (M609) and Encoder (EN131)



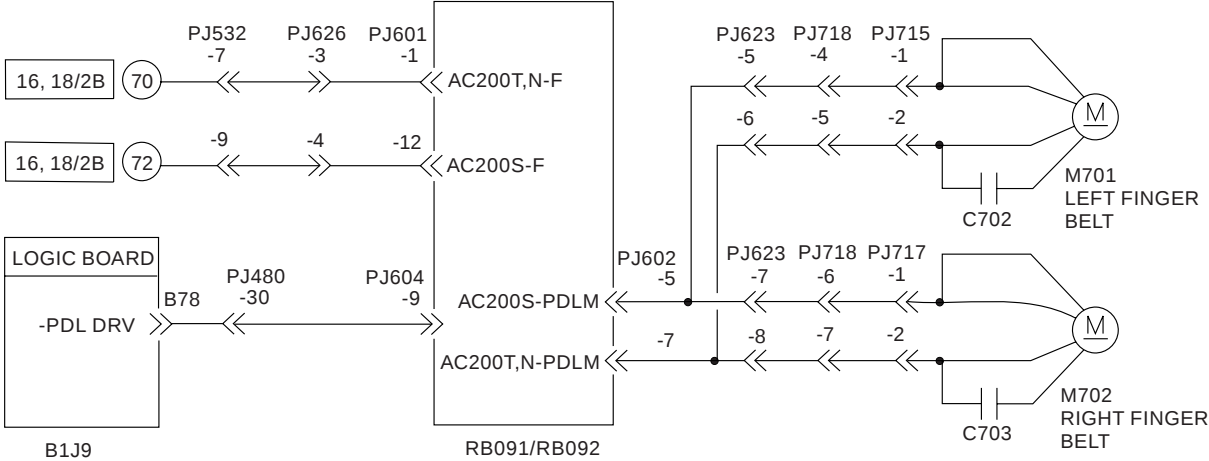
CD23 - Backup Idler Roll Motor and Thermal (M609)



CD24 - Backup Roll Lift Motor (M610) and Position Sensor (S624)



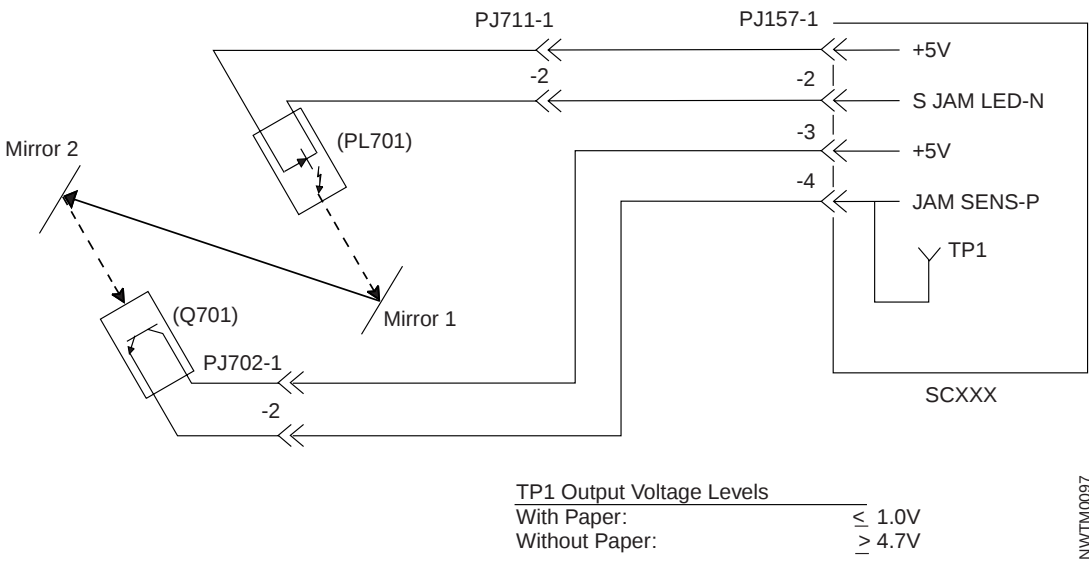
CD25 - Finger Belt Motors (M701, M702)



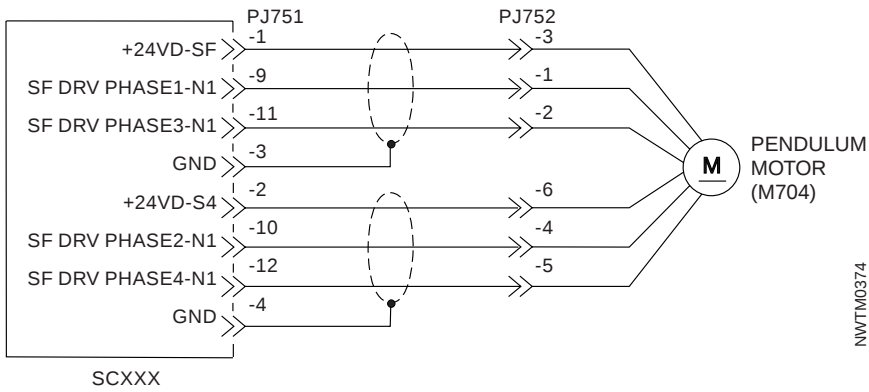
RB091- All Except High Speed (310 PPM) Simplex Feature and Duplex Printer 2
RB092- High Speed (310 PPM) Simplex Feature and Duplex Printer 2 Only

NW7M0388

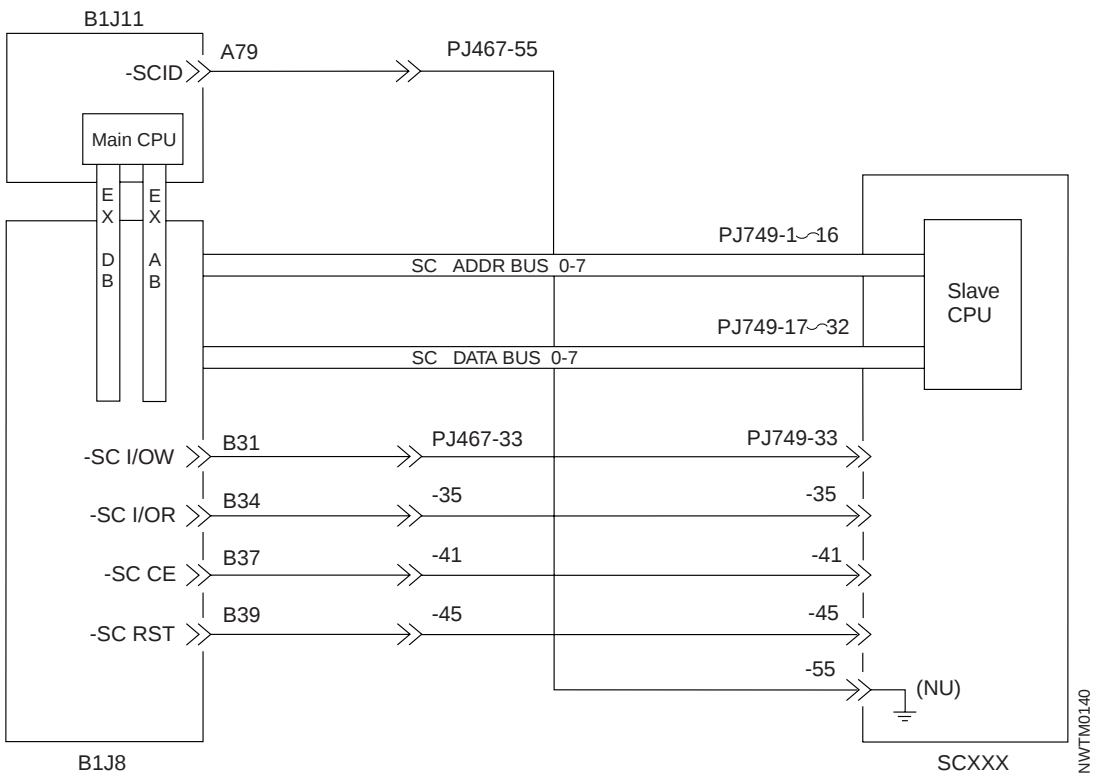
CD26 - Stacker Jam Sensor (Q701)



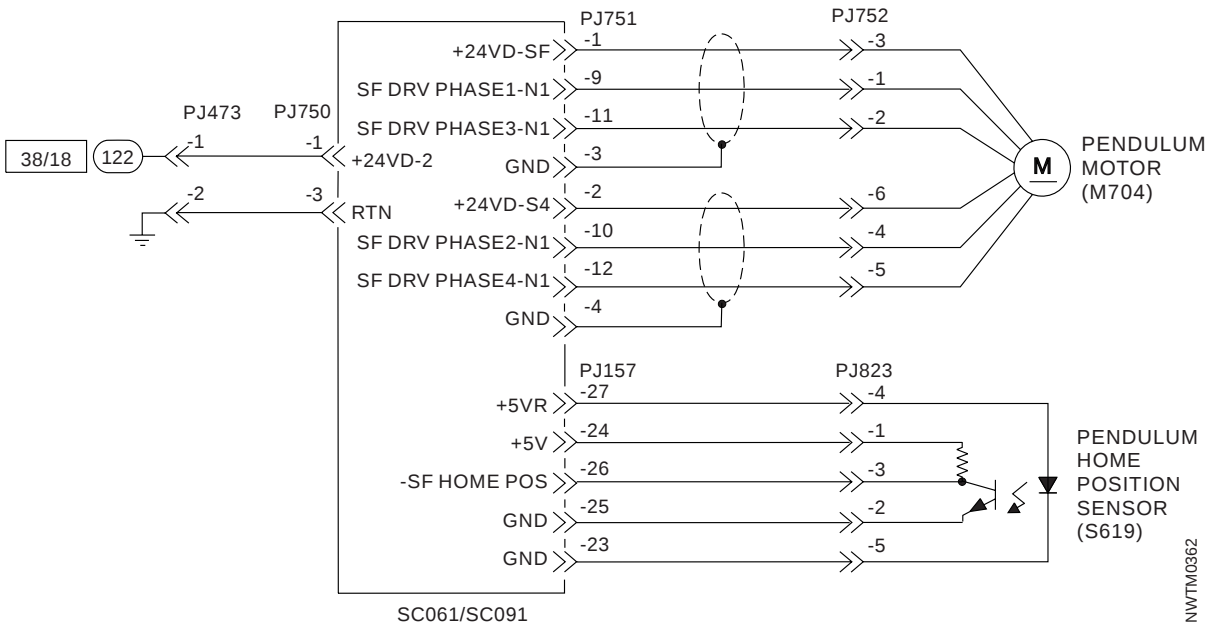
CD27 - Pendulum Motor (M704)



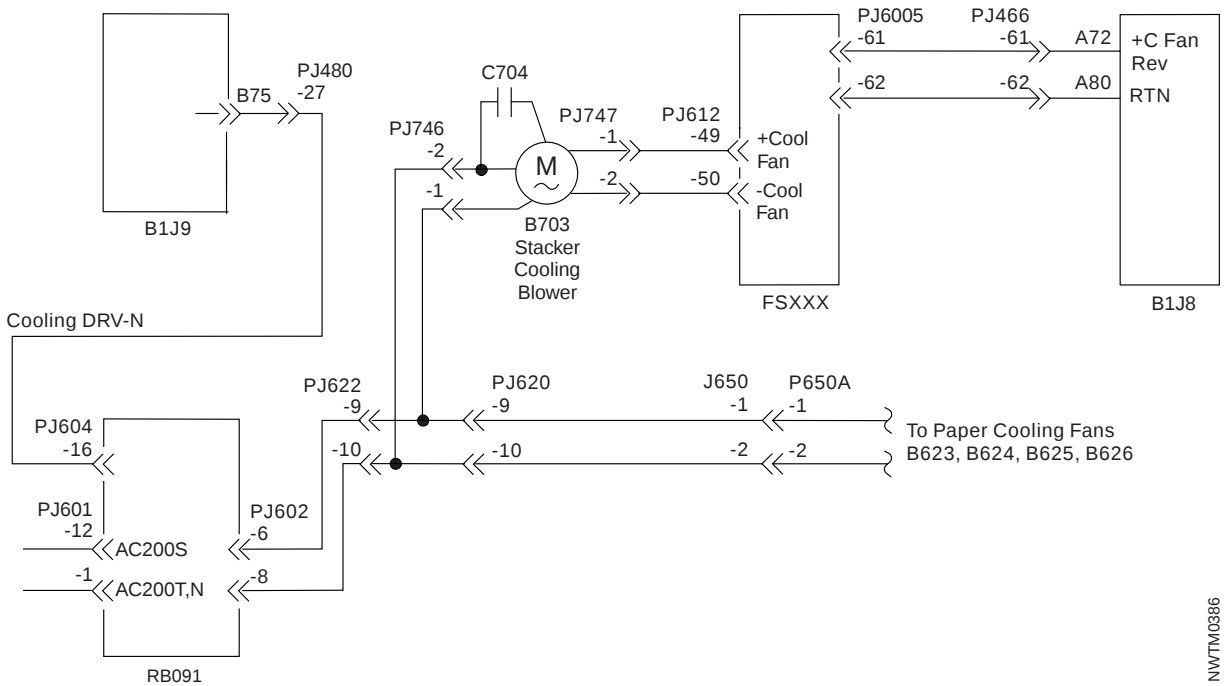
CD28 - Pendulum Motor Overcurrent (M704)



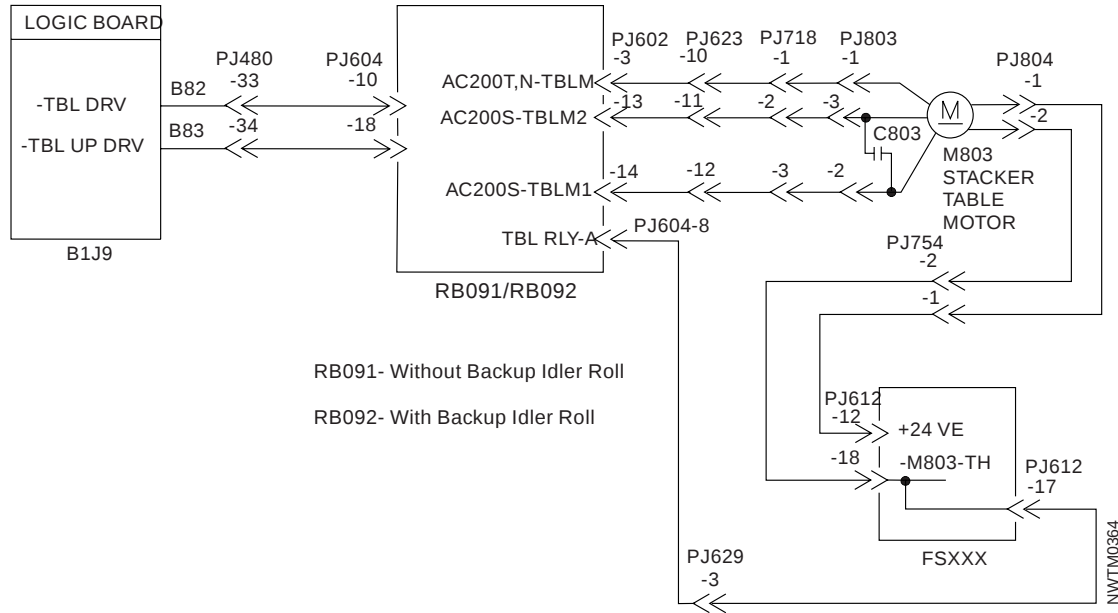
CD29 - Pendulum Motor (M704) and Position Sensor (S619)



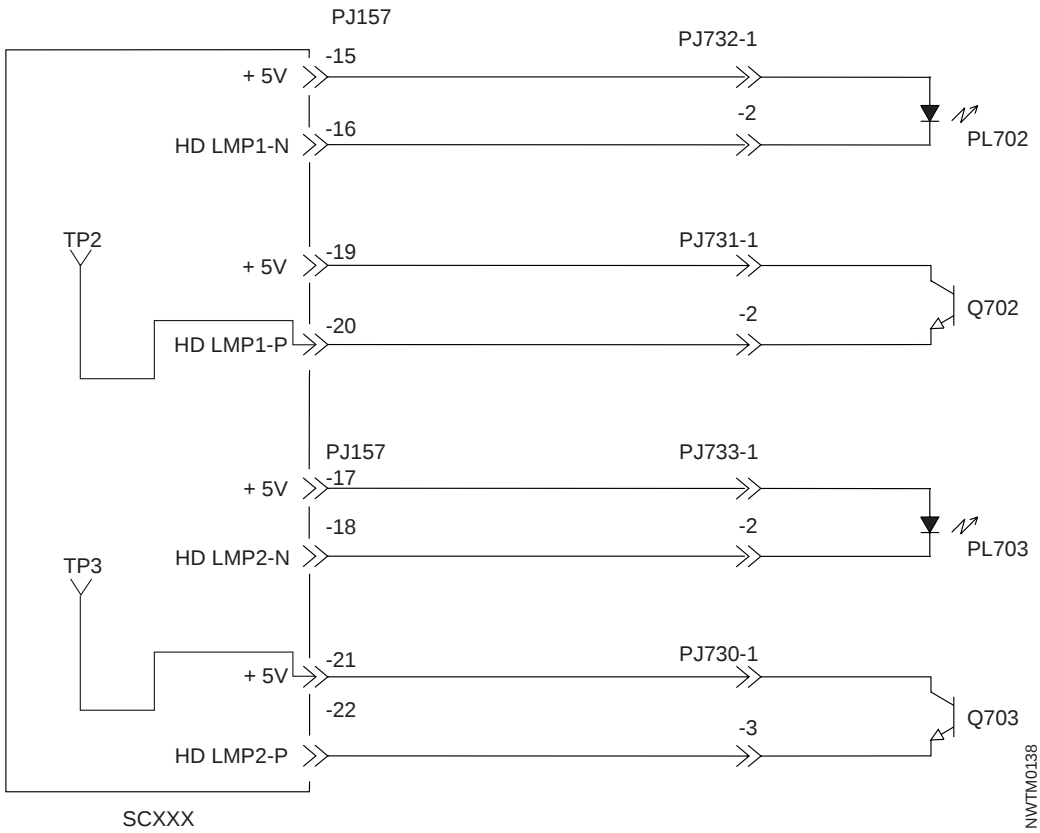
CD30 - Stacker Cooling Blower (B703)



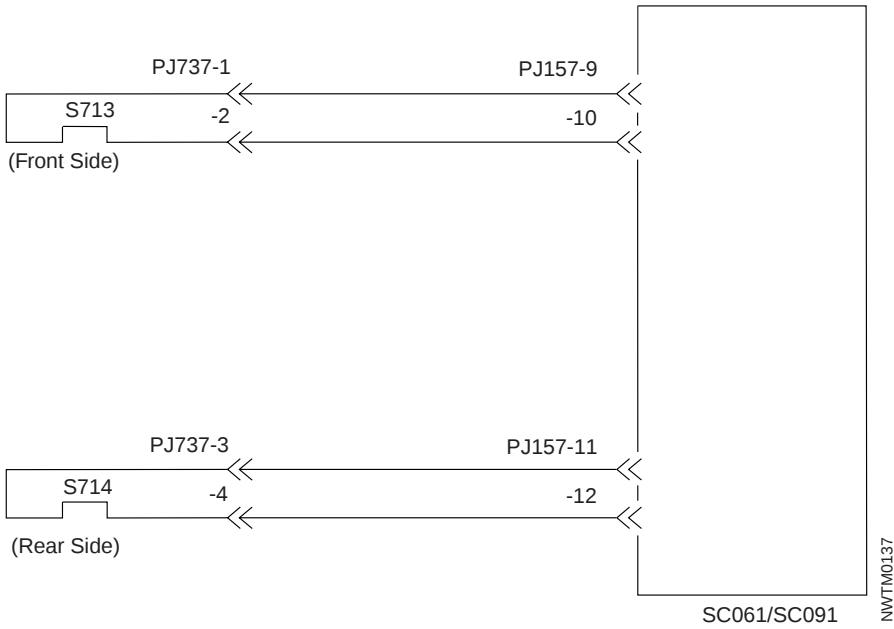
CD31 - Stacker Table Motor and Thermal Sense (M803)



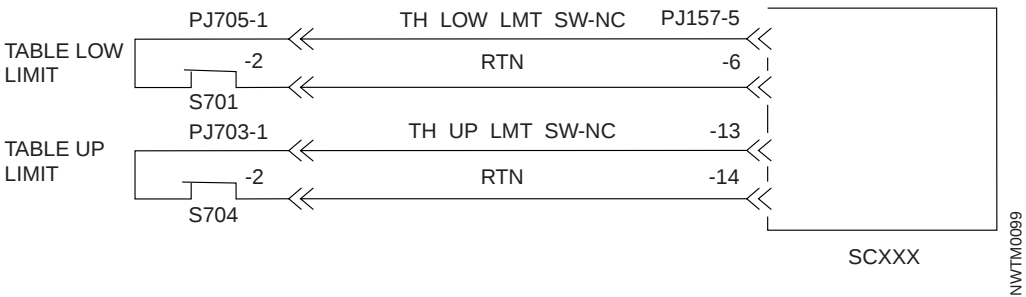
CD32 - Stacker Height Sensor (Q703)



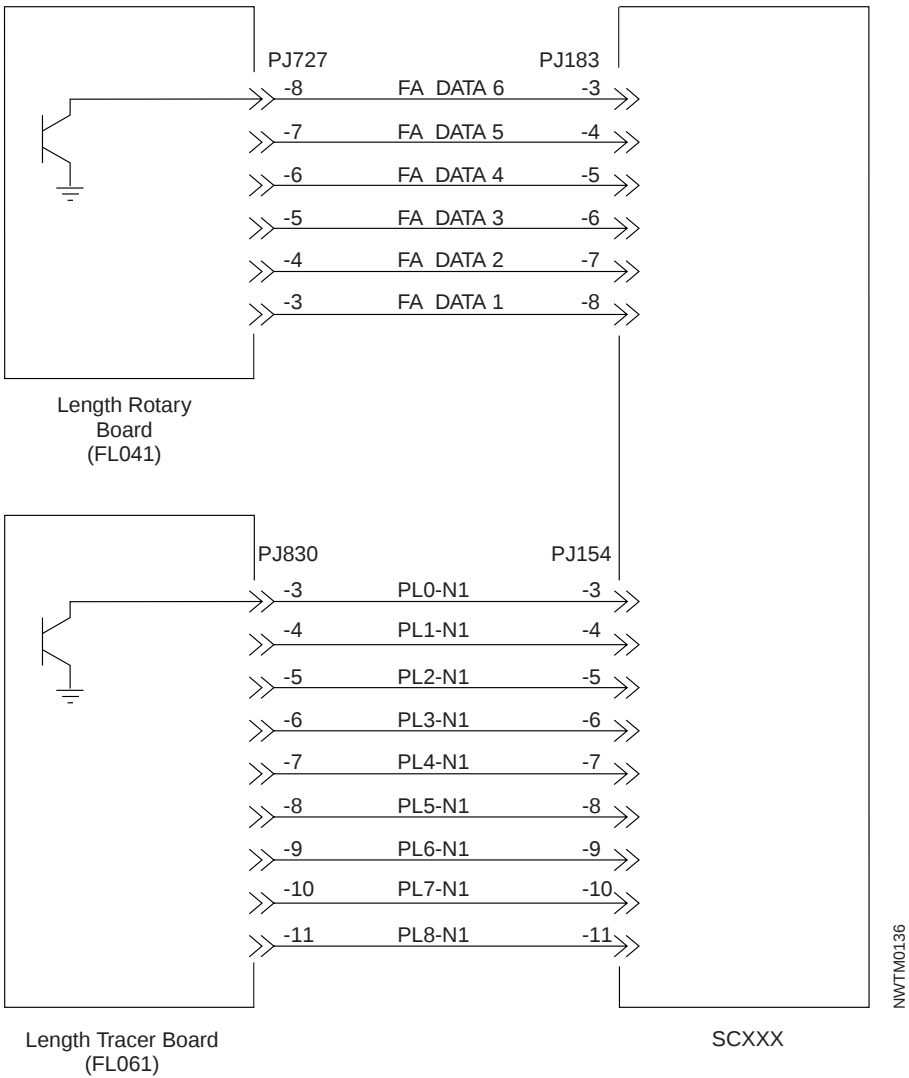
CD33 - Stacker Gate Safety Switches (S713, S714)



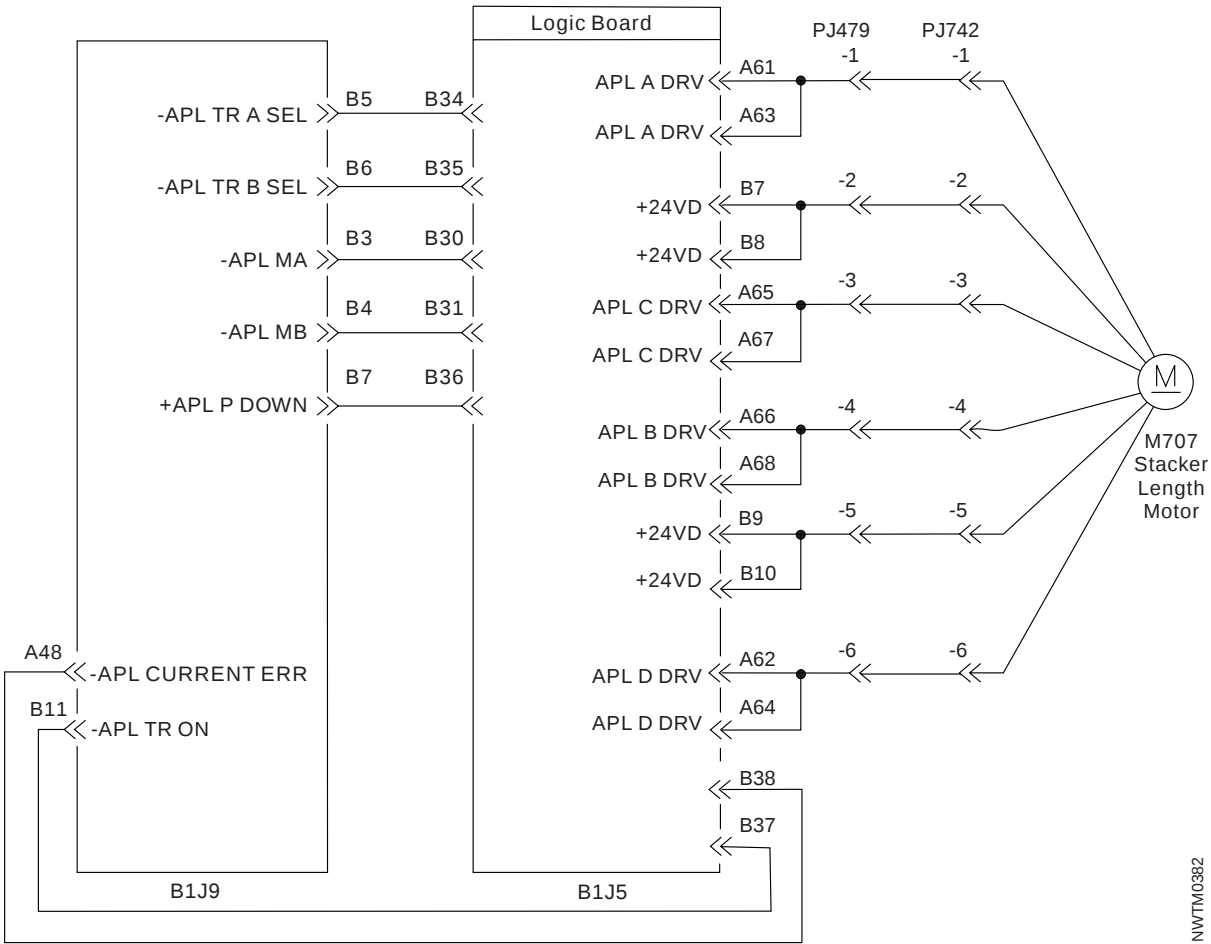
CD34 - Stacker Table Switches (S701, S704)



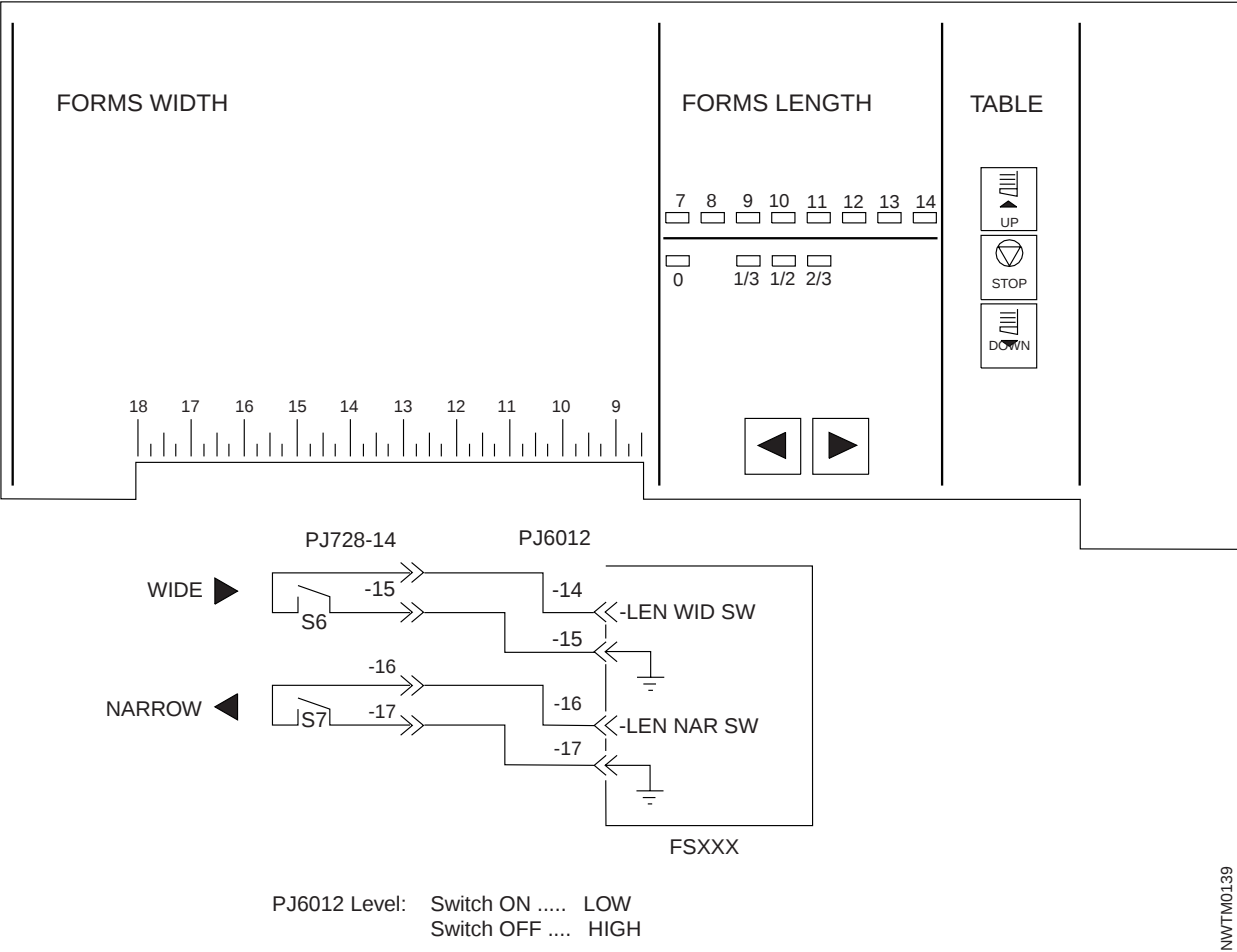
CD35 - Stacker Forms Length Hall Sensor



CD36 - Stacker Length Motor (M707)

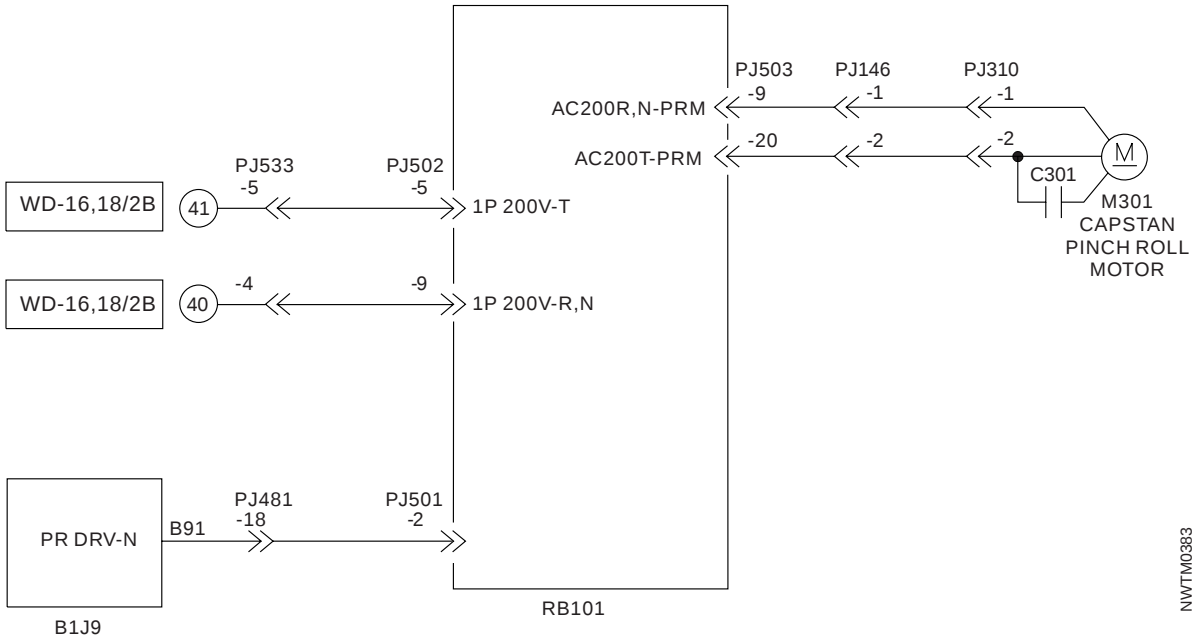


CD37 - Stacker Forms Length Control Switch (SW511)

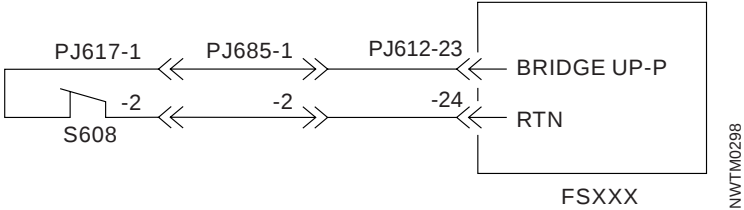


NWTM0139

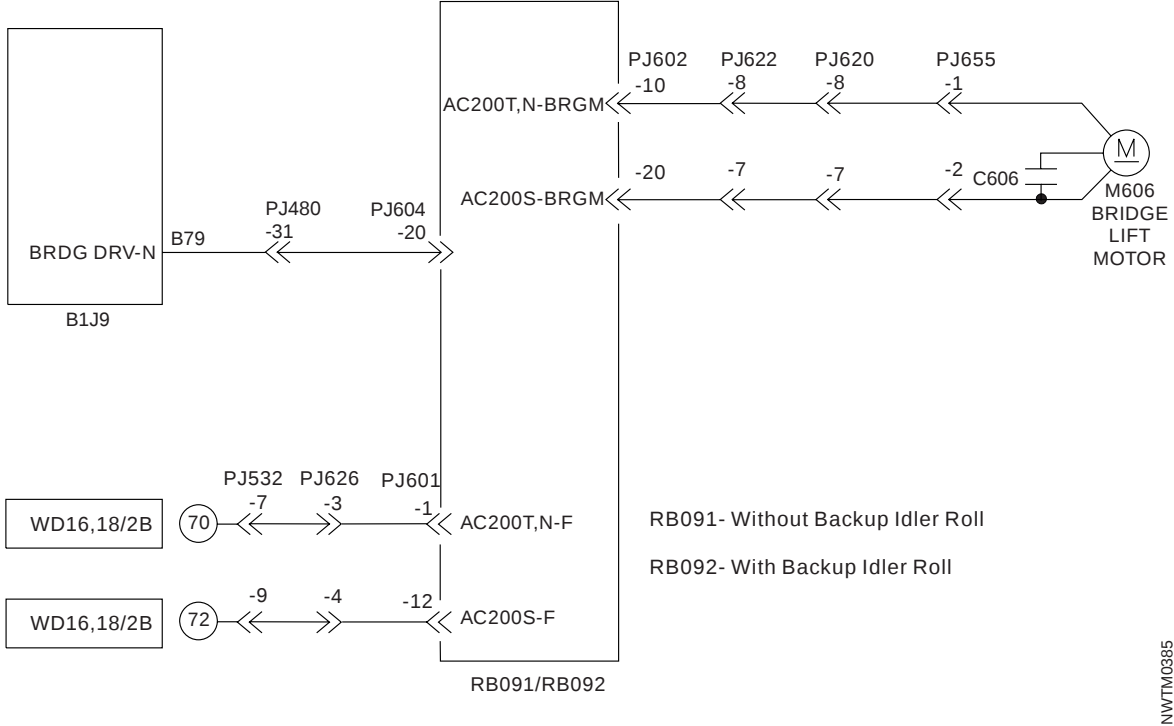
CD38 - Capstan Pinch Roll Motor (M301)



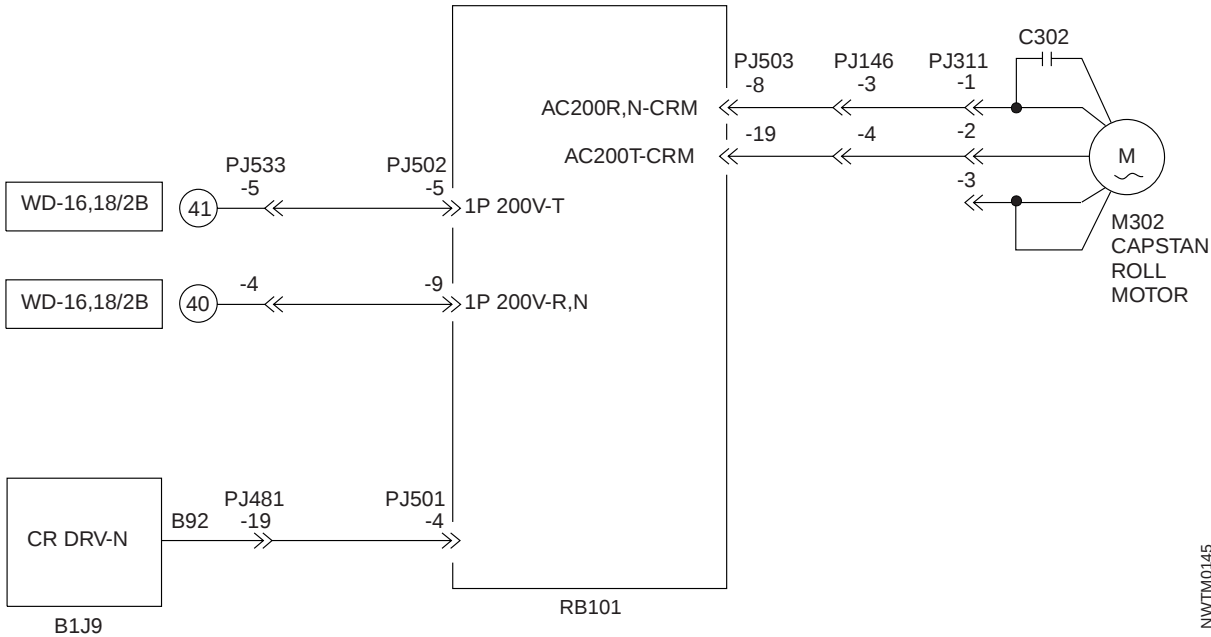
CD39 - Bridge Up Switch (S608)



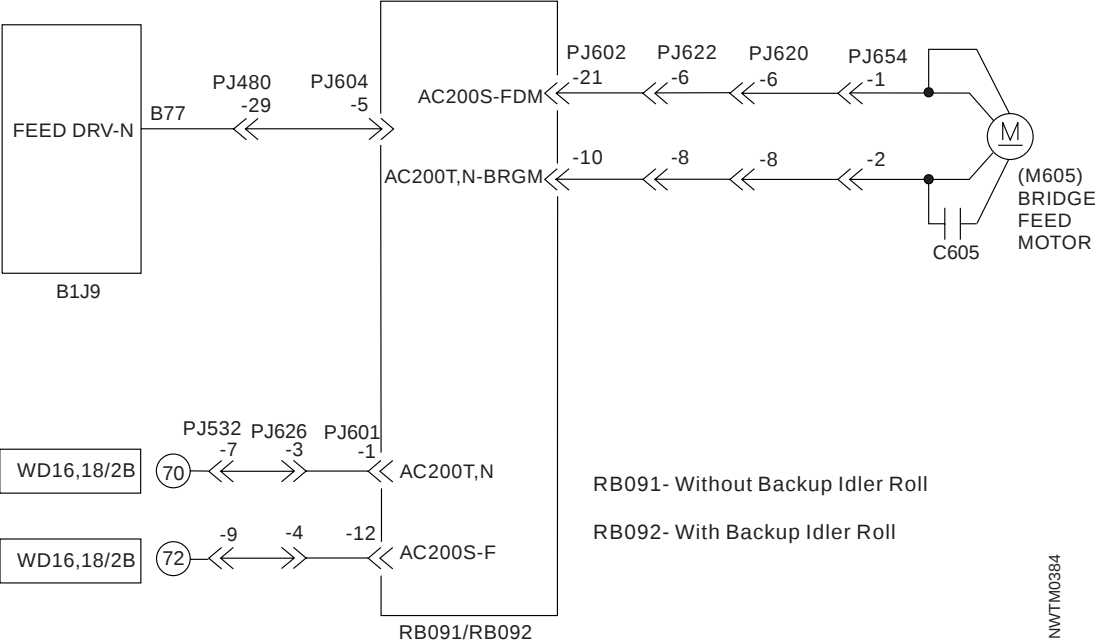
CD40 - Bridge Lift Motor (M606)



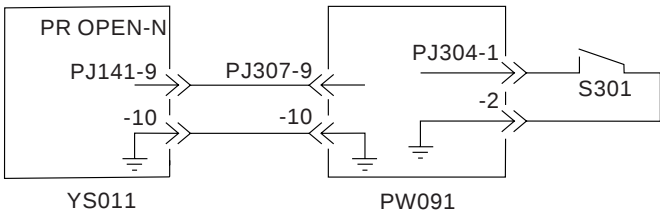
CD41 - Capstan Roll Motor (M302)



CD42 - Bridge Feed Motor (M605)



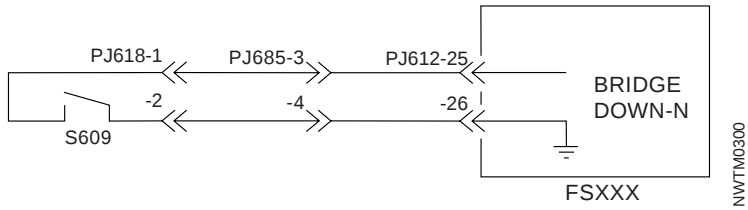
CD43 - Capstan Pinch Roll Open Switch (S301)



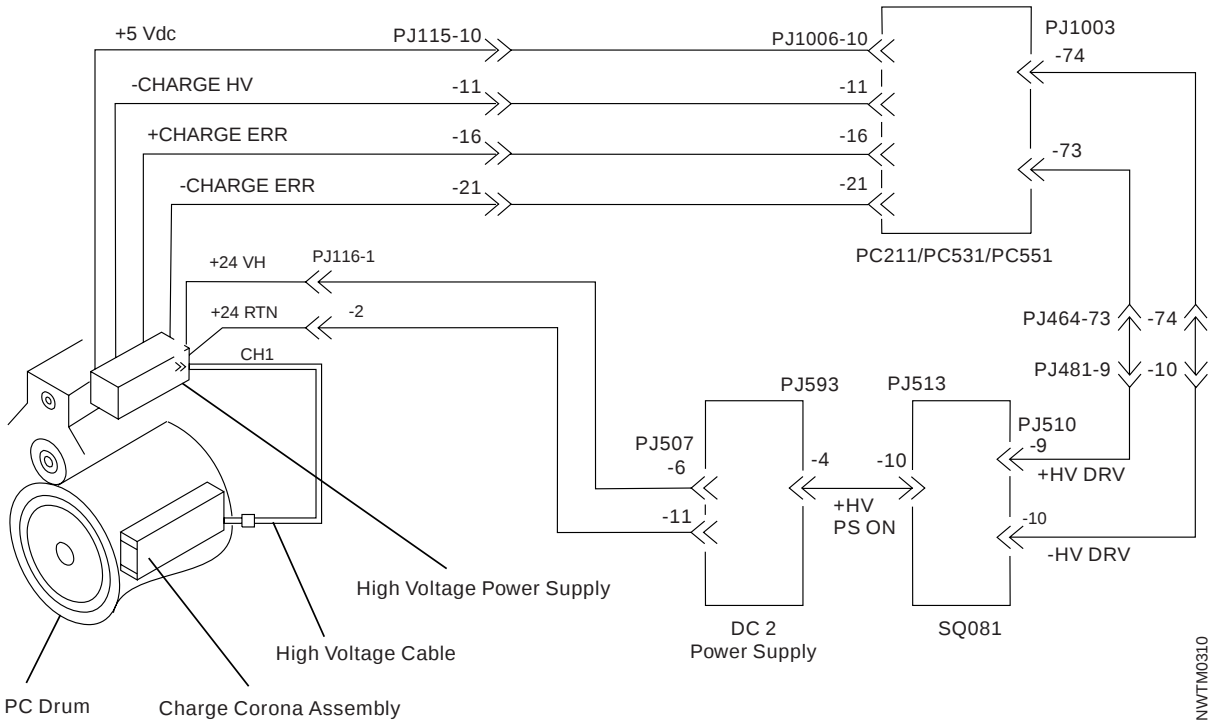
Pinch Roll
Open Switch
detects the up
position.

NW7M0299

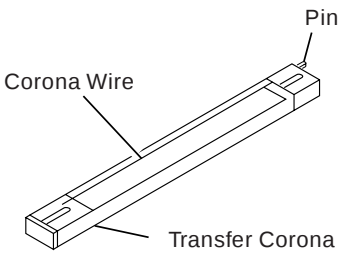
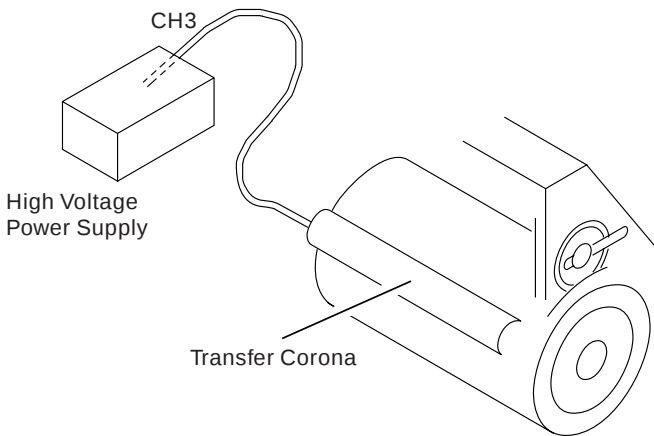
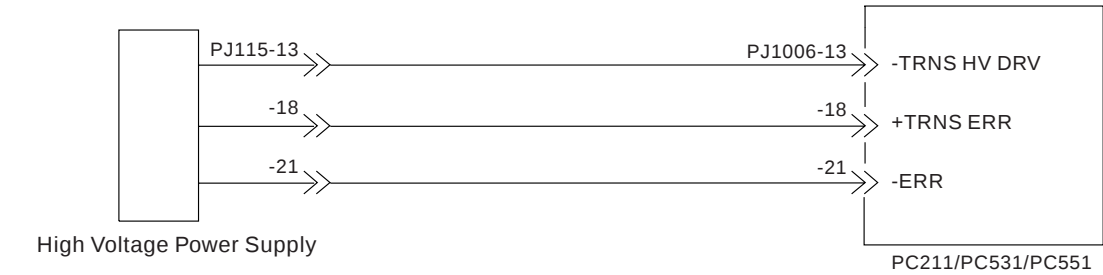
CD44 - Bridge Down Switch (S609)



CD45 - Charge Corona

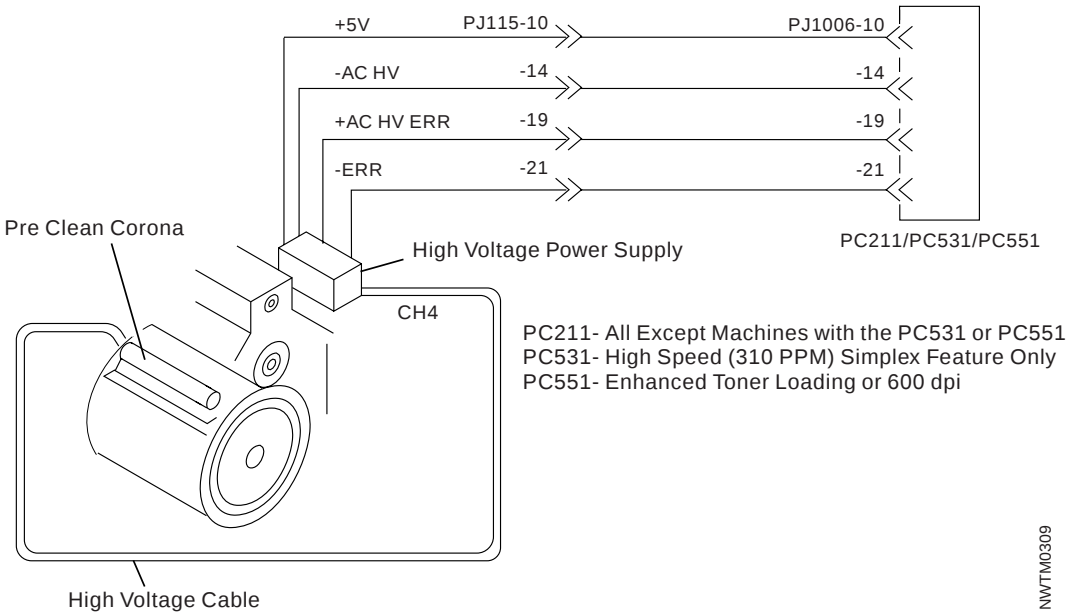


CD46 - Tansfer Corona

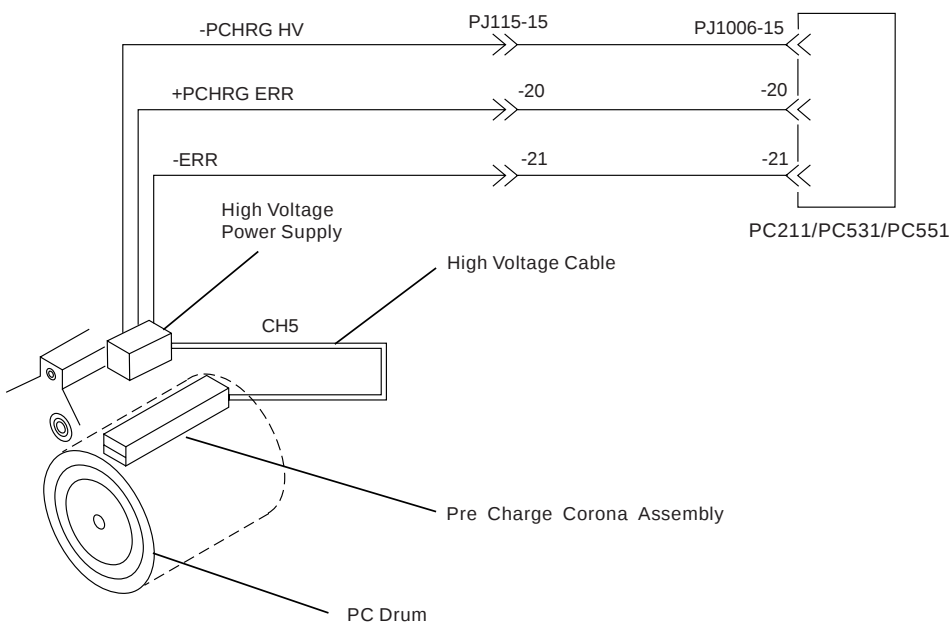


NW7M0311

CD47 - Preclean Corona

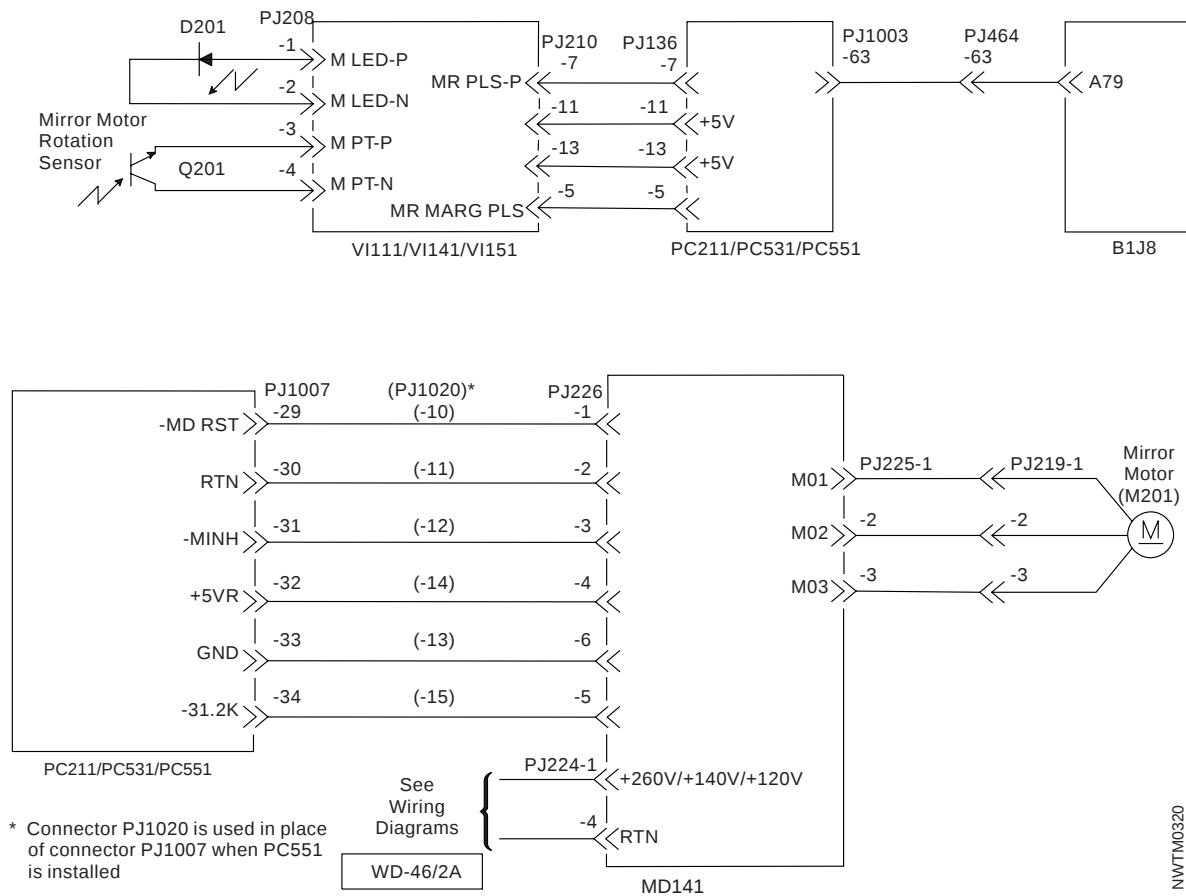


CD48 - Precharge Corona

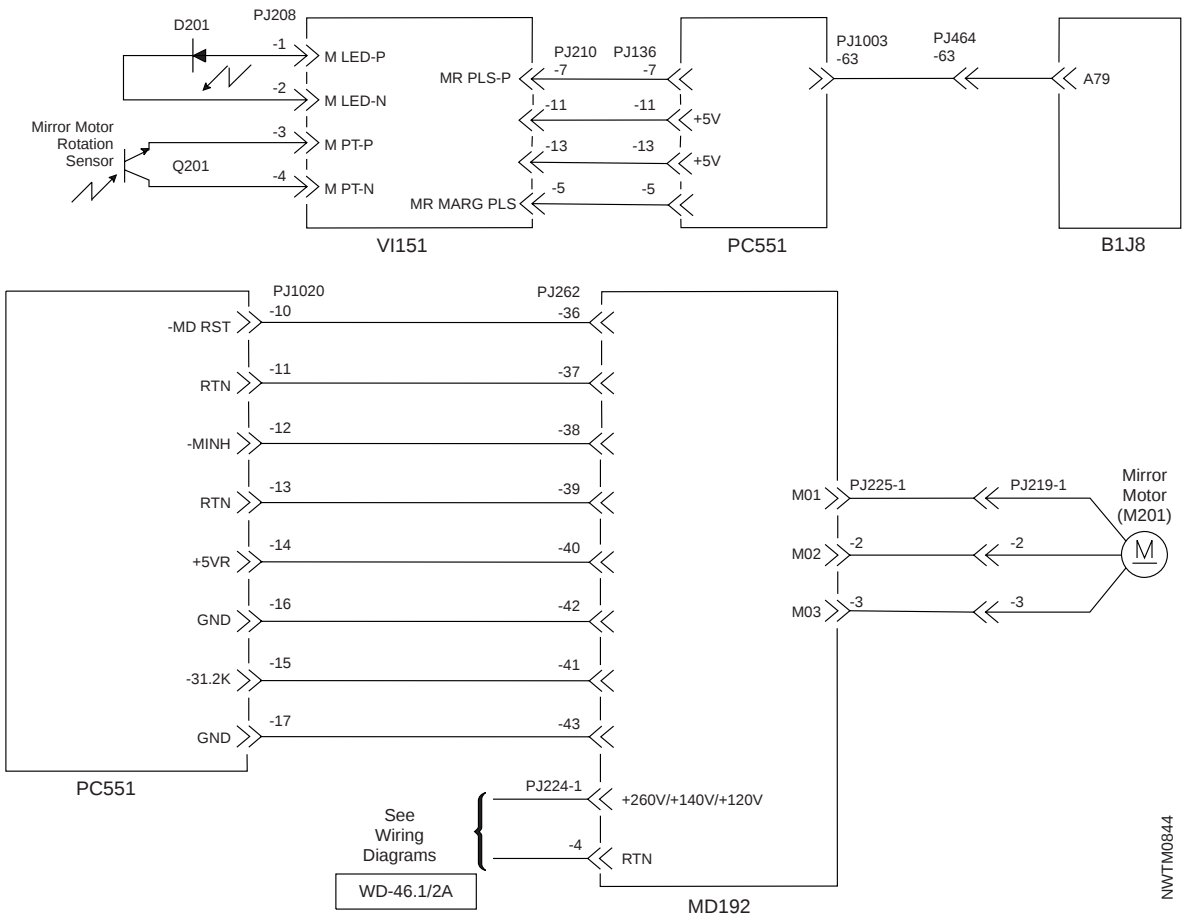


NW/TM0287

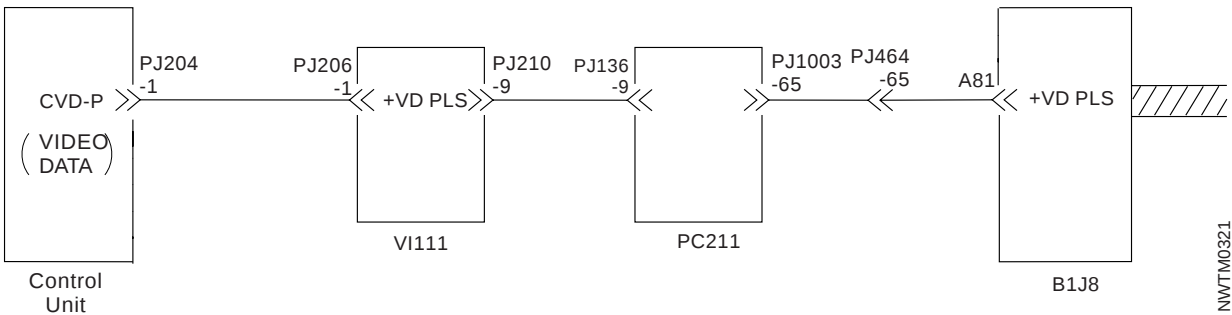
CD49 - Mirror Motor M201 (Fixed Resolution Printheads)



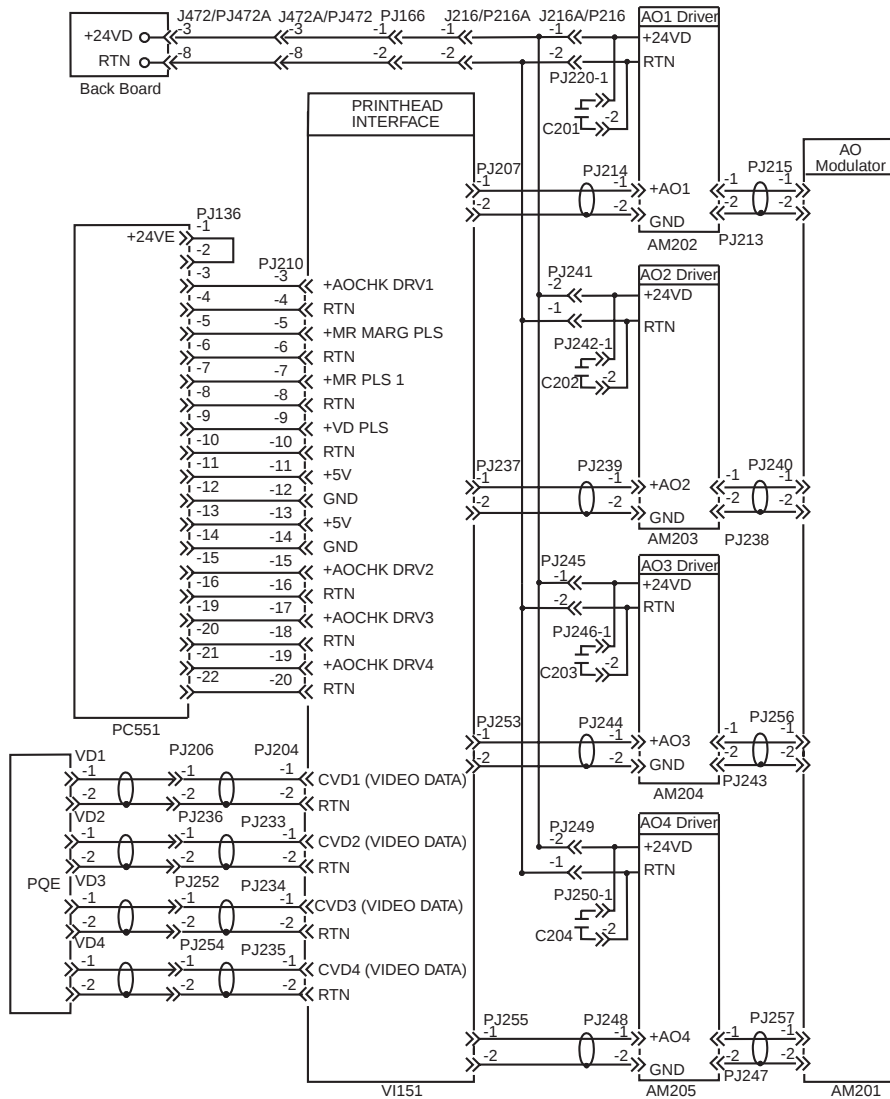
CD50 - Mirror Motor M201 — (Switchable Resoluition Printheads)



CD51 - Video Data (Single Beam Printhead)

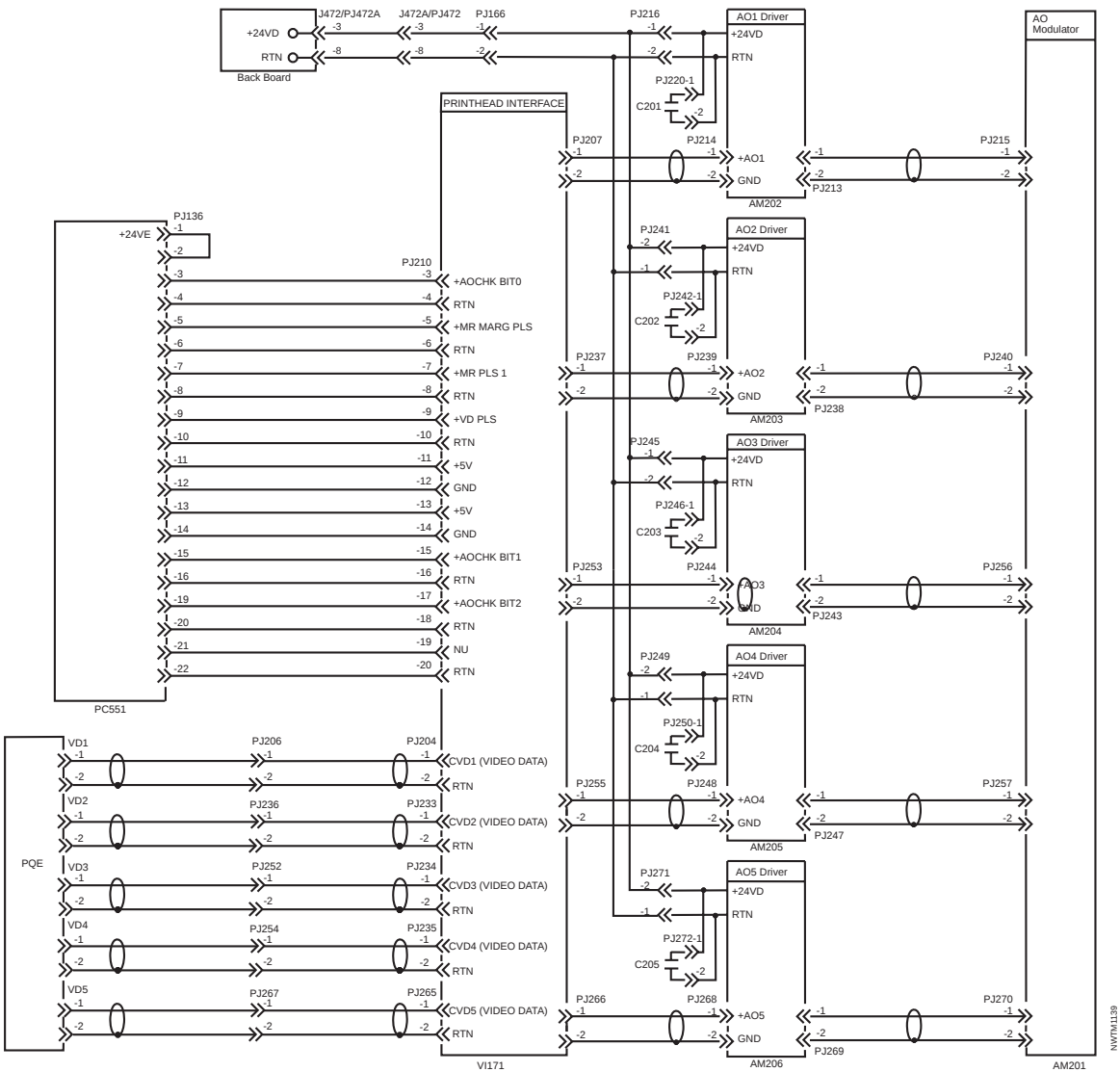


CD52 - Four Beam Printhead

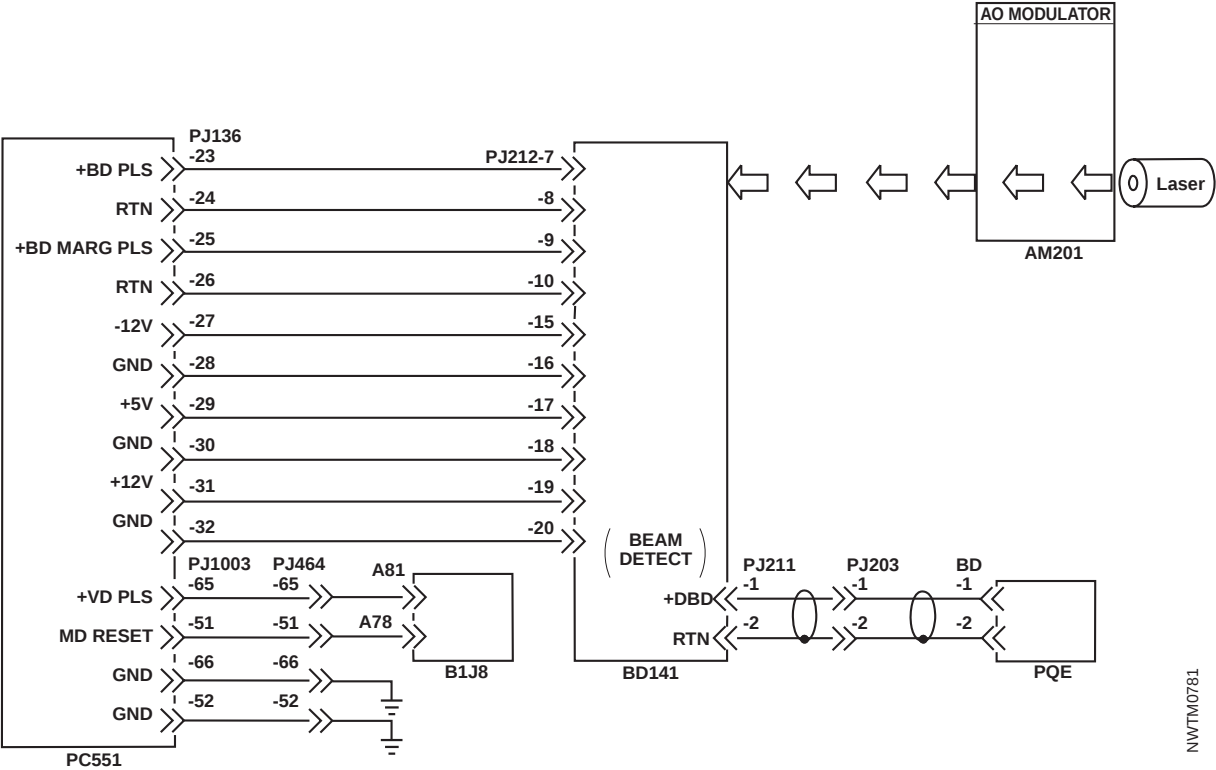


NW7M0780

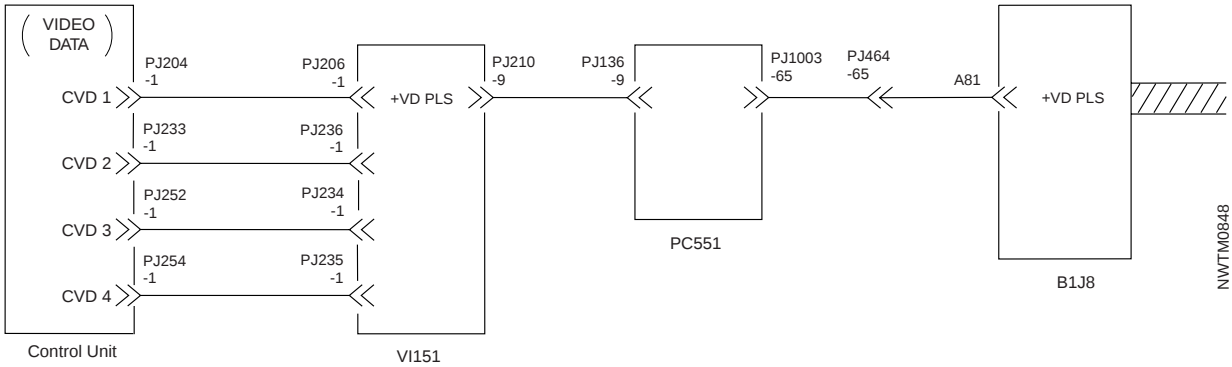
CD53 - Five Beam Printhead



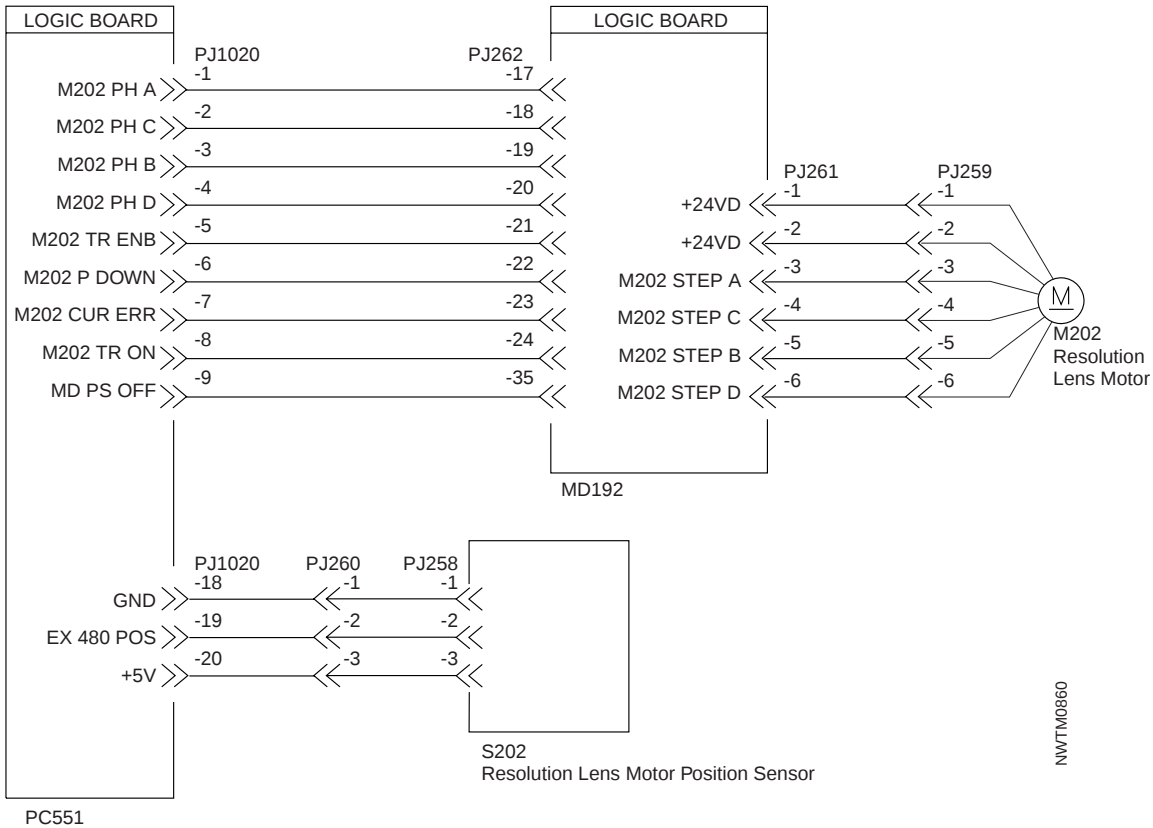
CD54 - Beam Detect (Four and Five Beam Printheads)



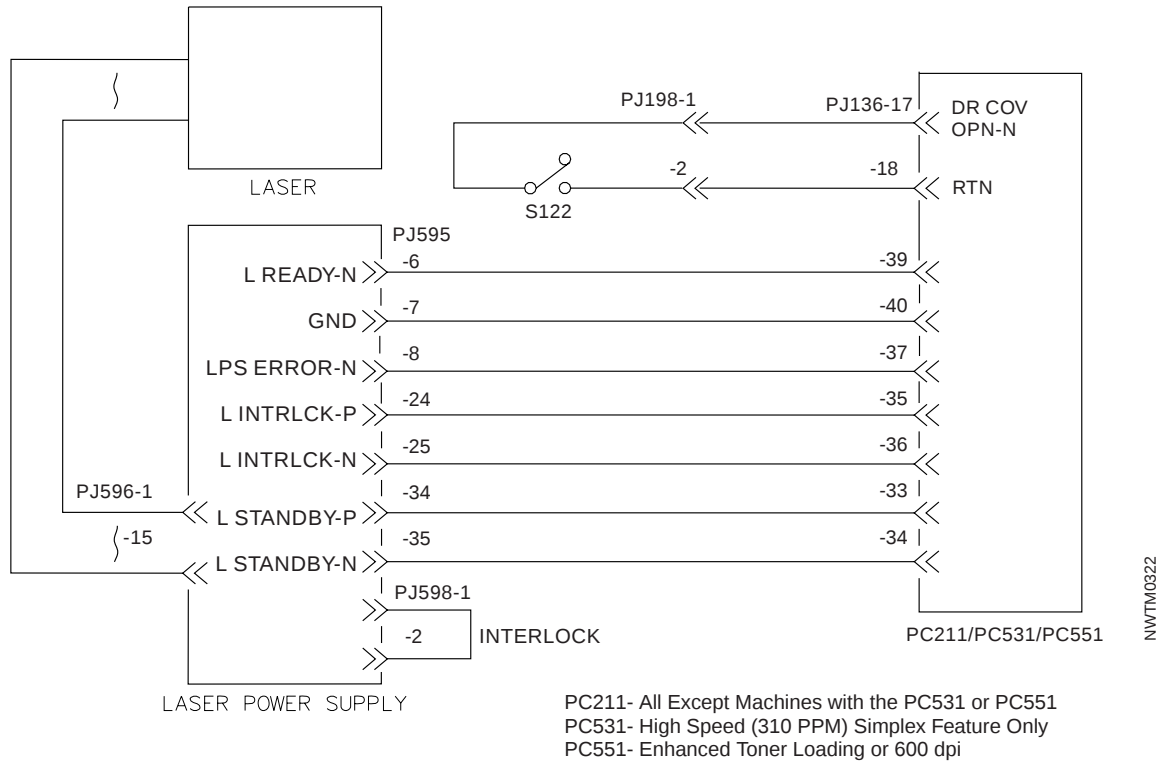
CD55 - Video Data (Four Beam Printhead)



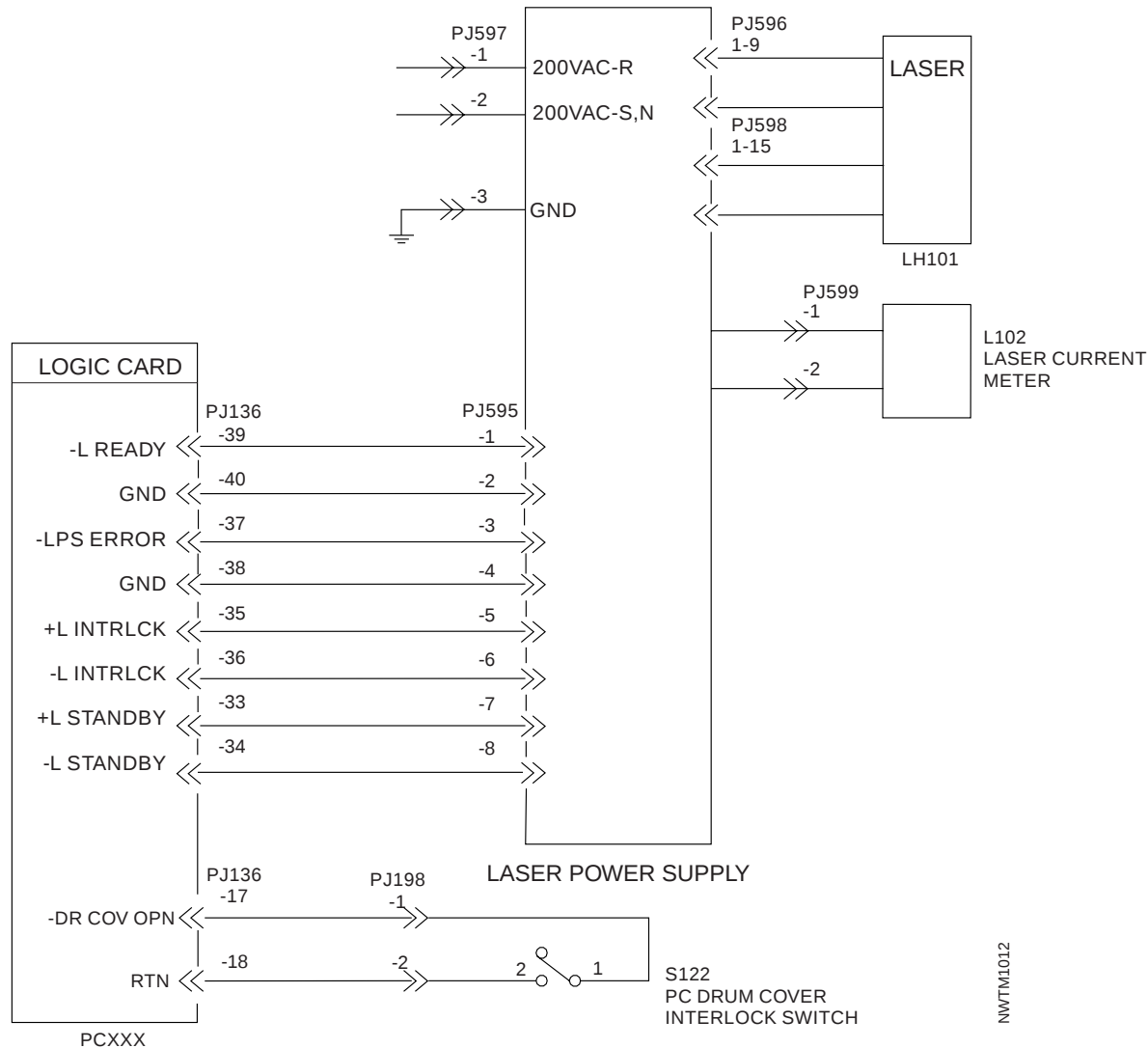
CD56 - Rresolution Switching Lens Motor Position Sensor (S202)



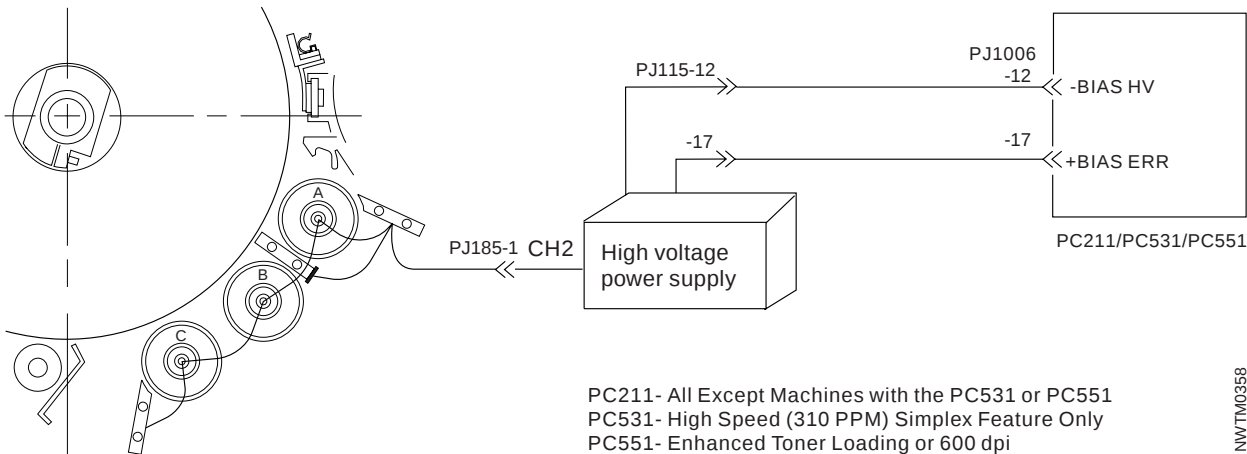
CD57 - PC Drum Cover Interlock Switch (S122) — (20 mW)



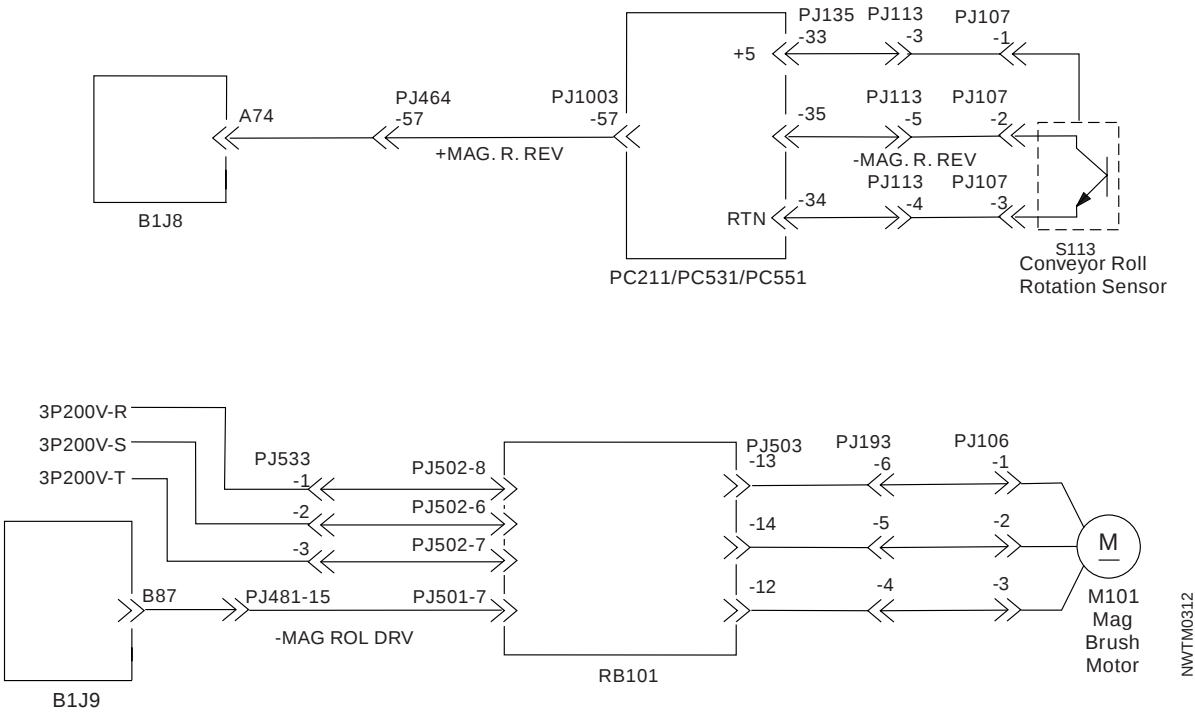
CD58 - PC Drum Cover Interlock Switch (S122) — (30 mW)



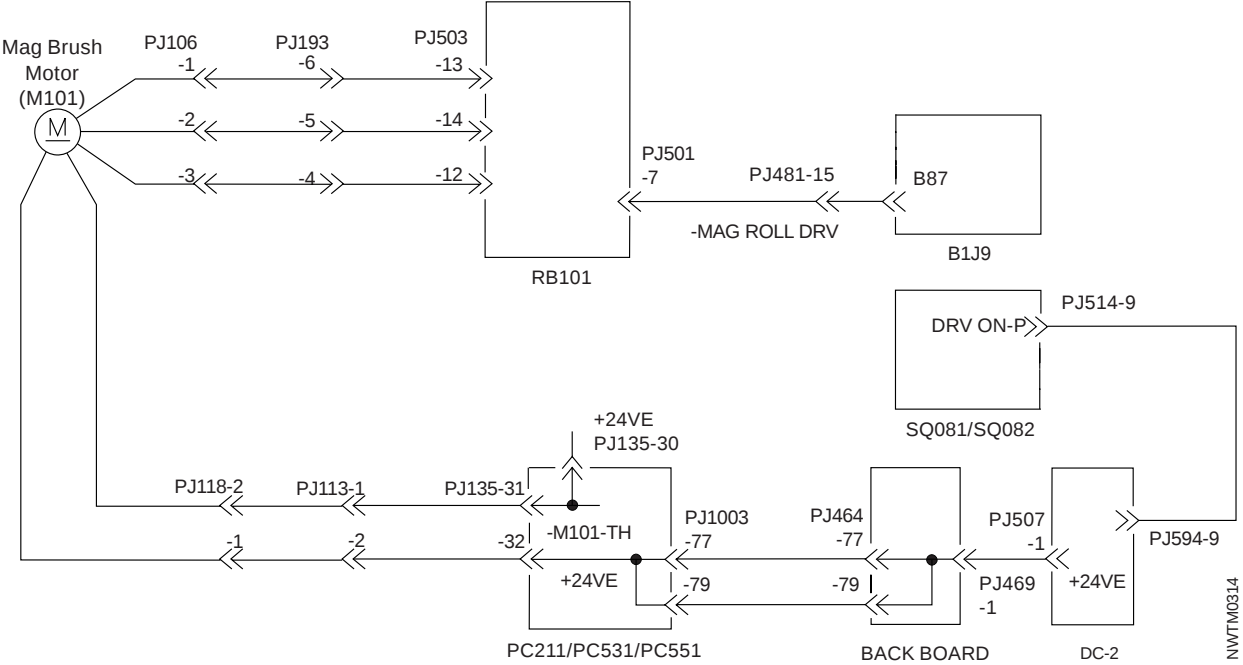
CD59 - Mag Brush Bias



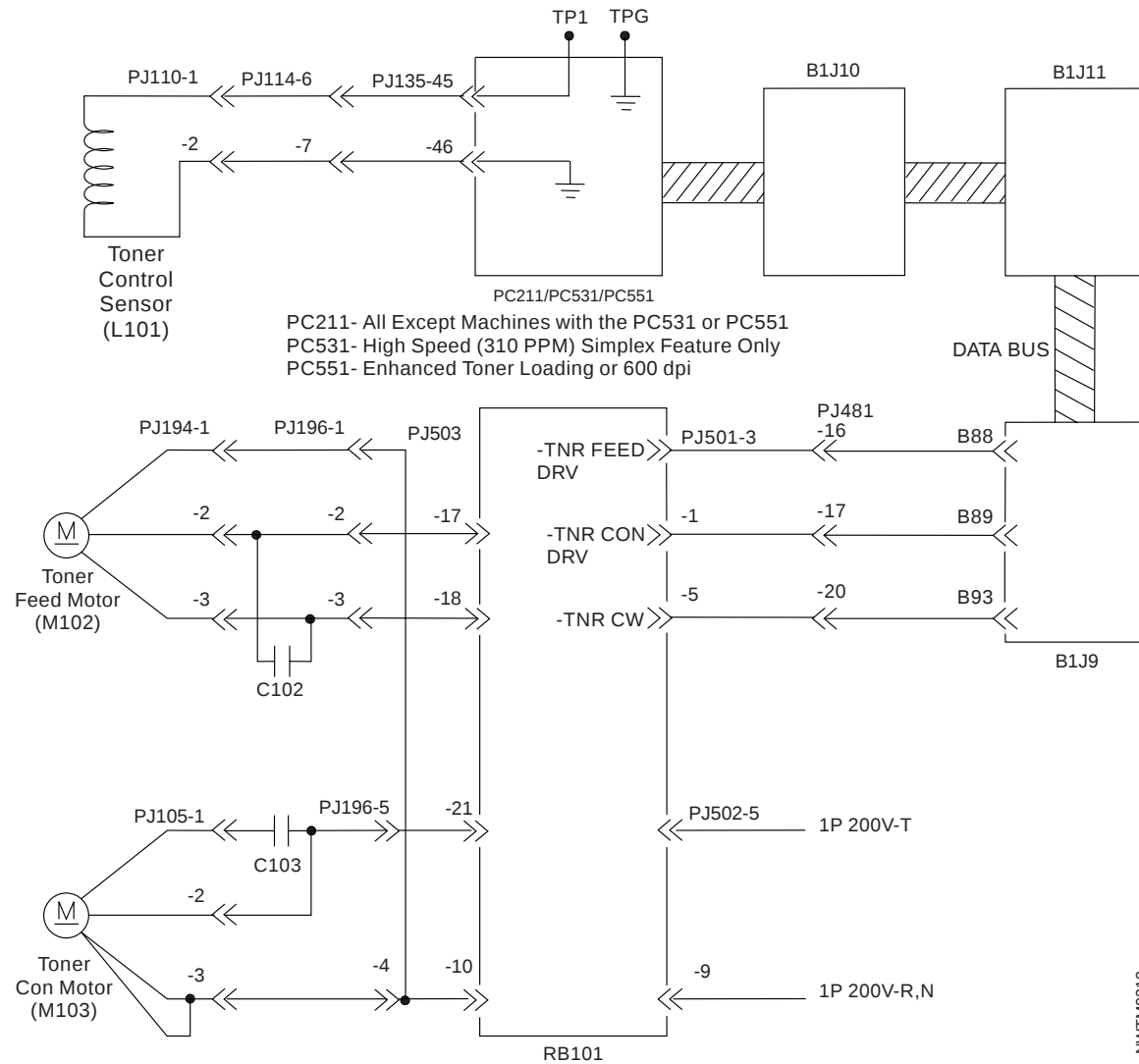
CD60 - Mag Brush Motor (M101) and Conveyor Roll Rotation Sensor (S113)



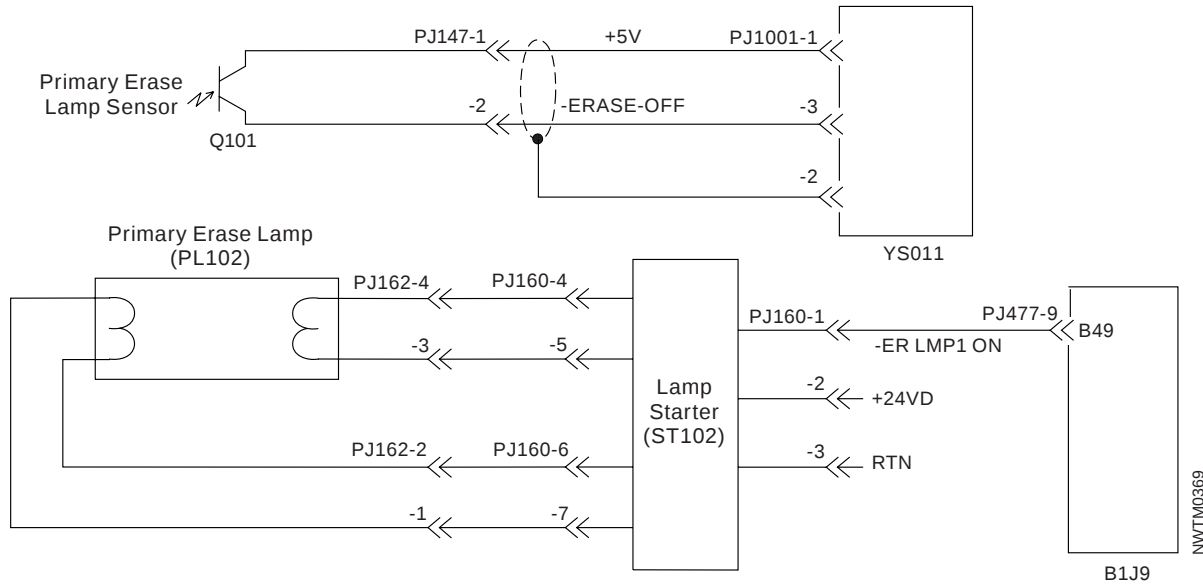
CD61 - Mag Brush Motor and Thermal Sense (M101)



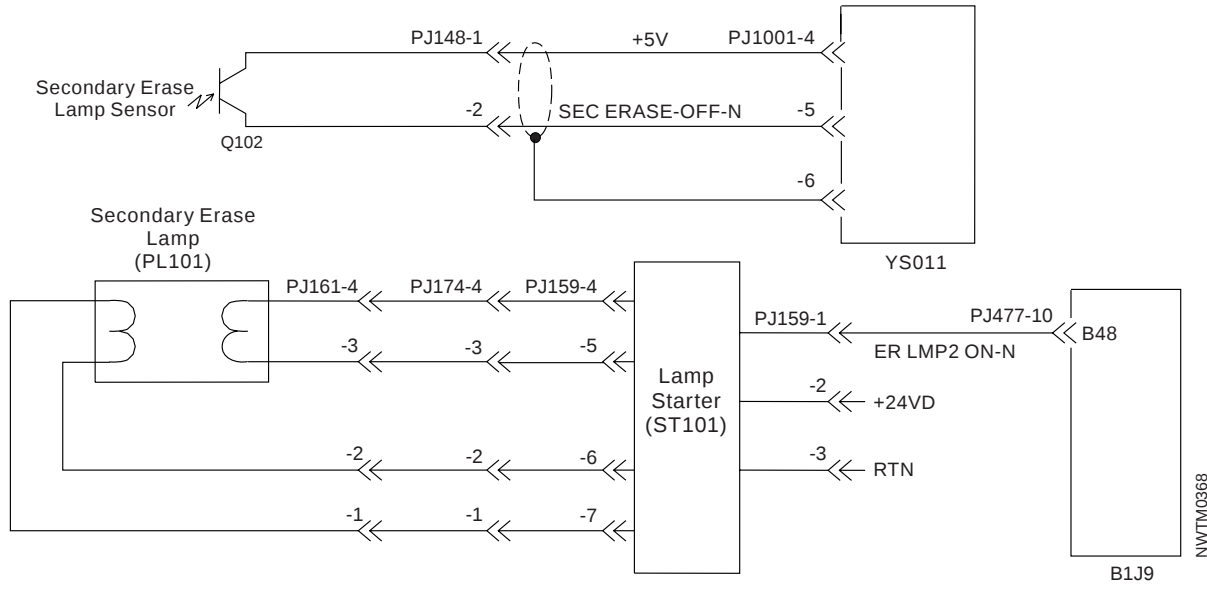
CD62 - Toner Control Sensor (L101) and Toner Control Motor (M103)



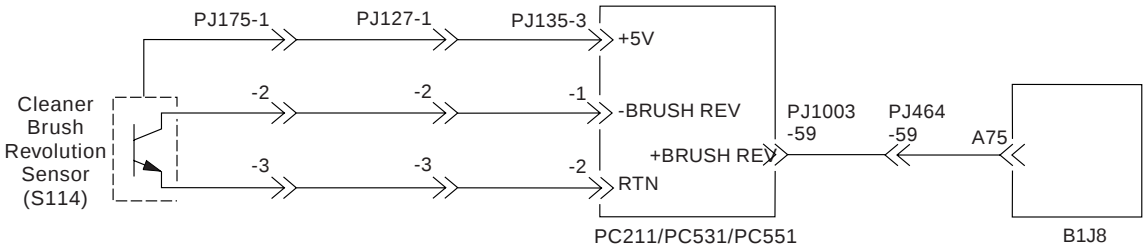
CD63 - Primary Erase Lamp (PL102), Starter (ST102), and Sensor (Q101)



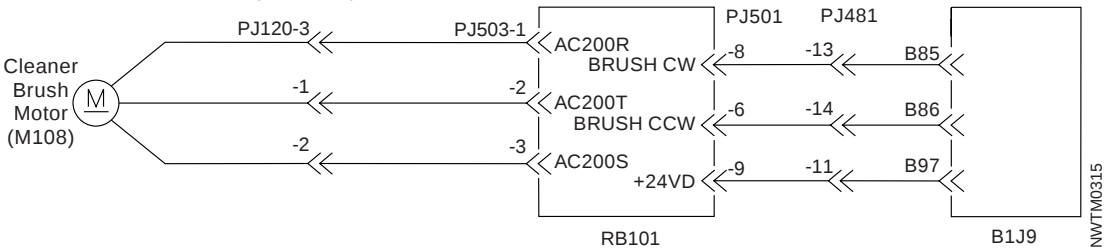
CD64 - Secondary Erase Lamp (PL101), Starter (ST101), and Sensor (Q102)



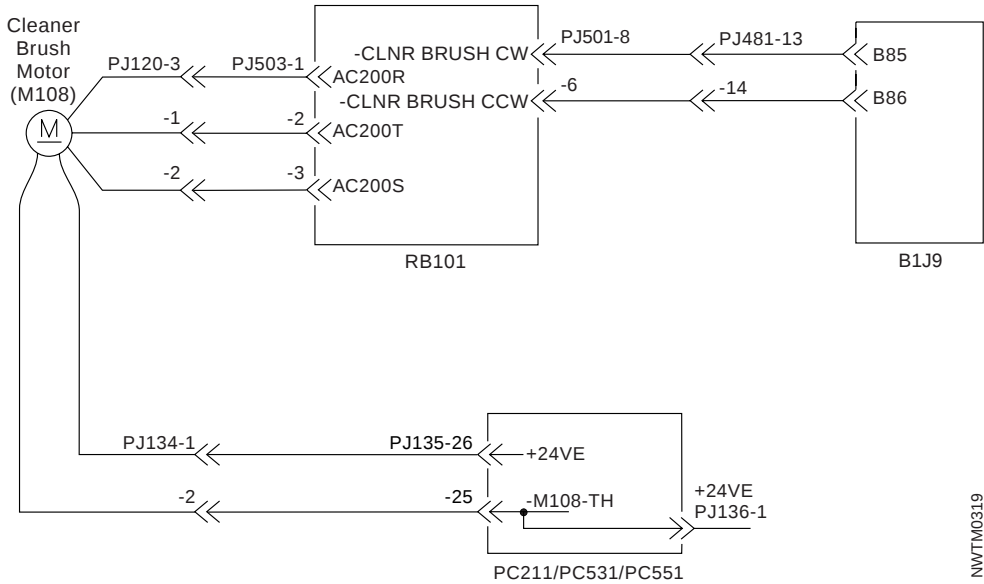
CD65 - Cleaner Brush Motor (M108) and Rotation Sensor (S114)



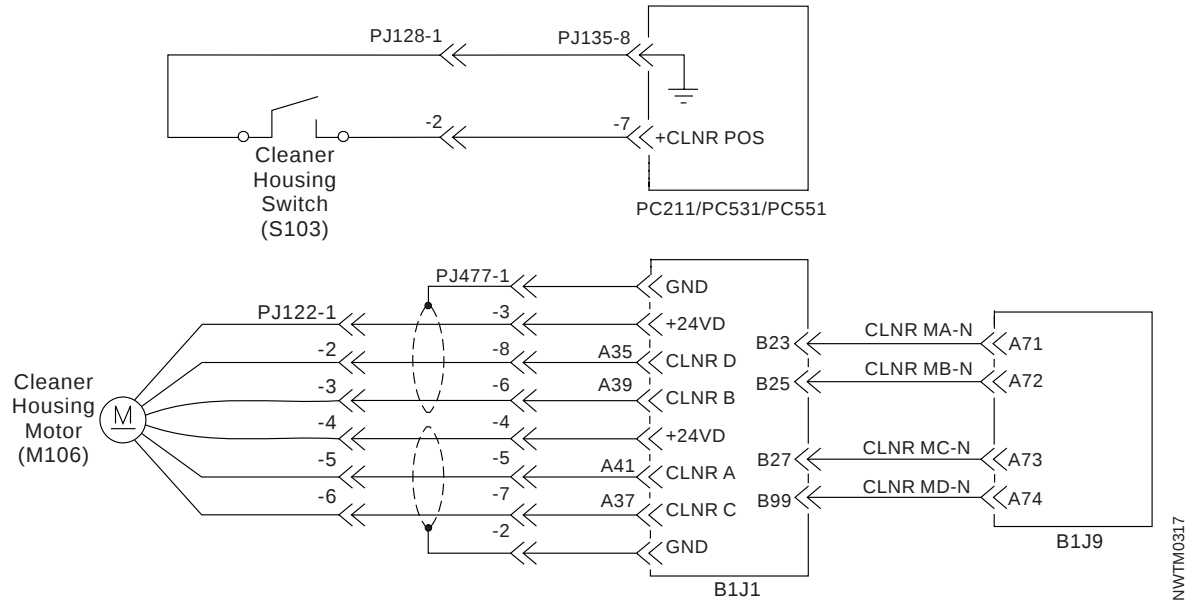
PC211- All Except Machines with the PC531 or PC551
PC531- High Speed (310 PPM) Simplex Feature Only
PC551- Enhanced Toner Loading or 600 dpi



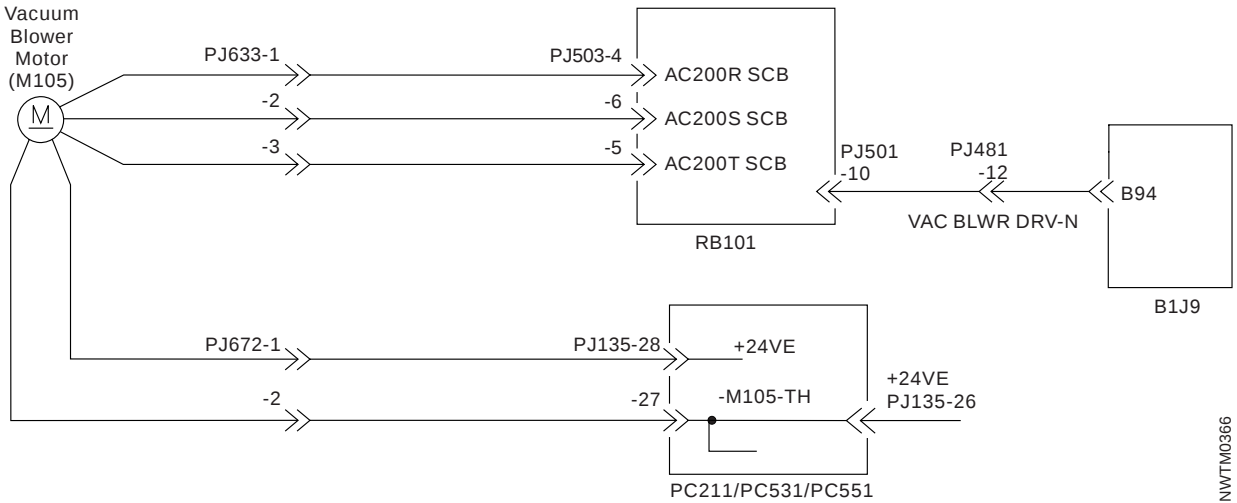
CD66 - Cleaner Brush Motor and Thermal (M108)



CD67 - Cleaner Housing Motor (M106) and Position Switch (S103)

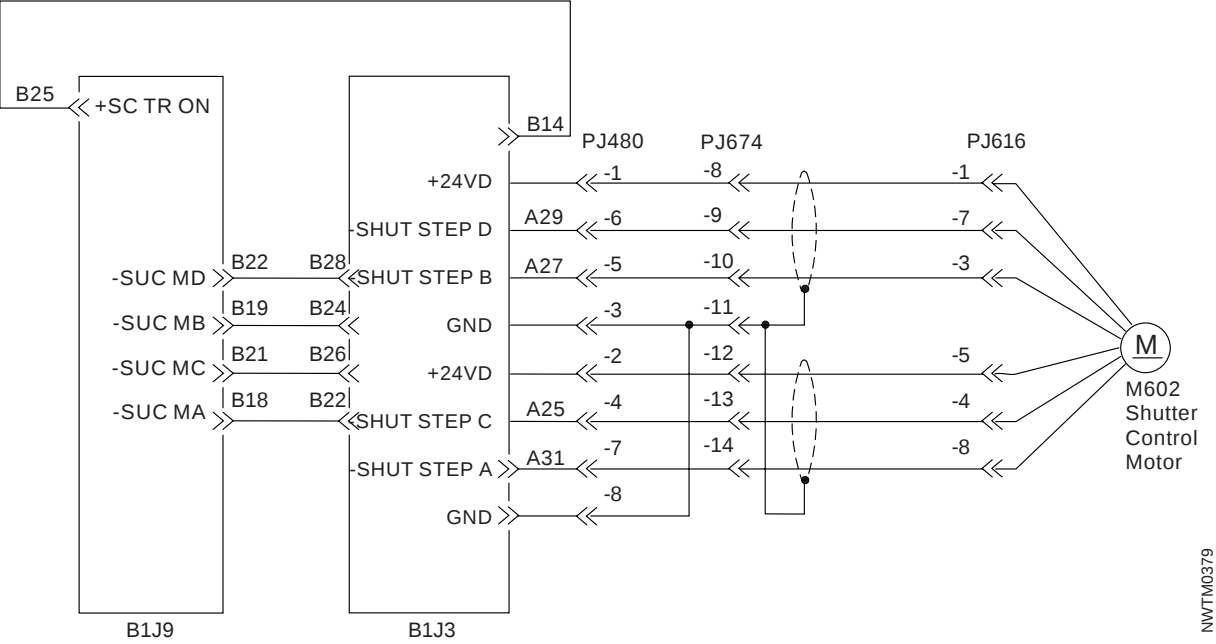


CD68 - Vacuum Blower Thermal (M105)

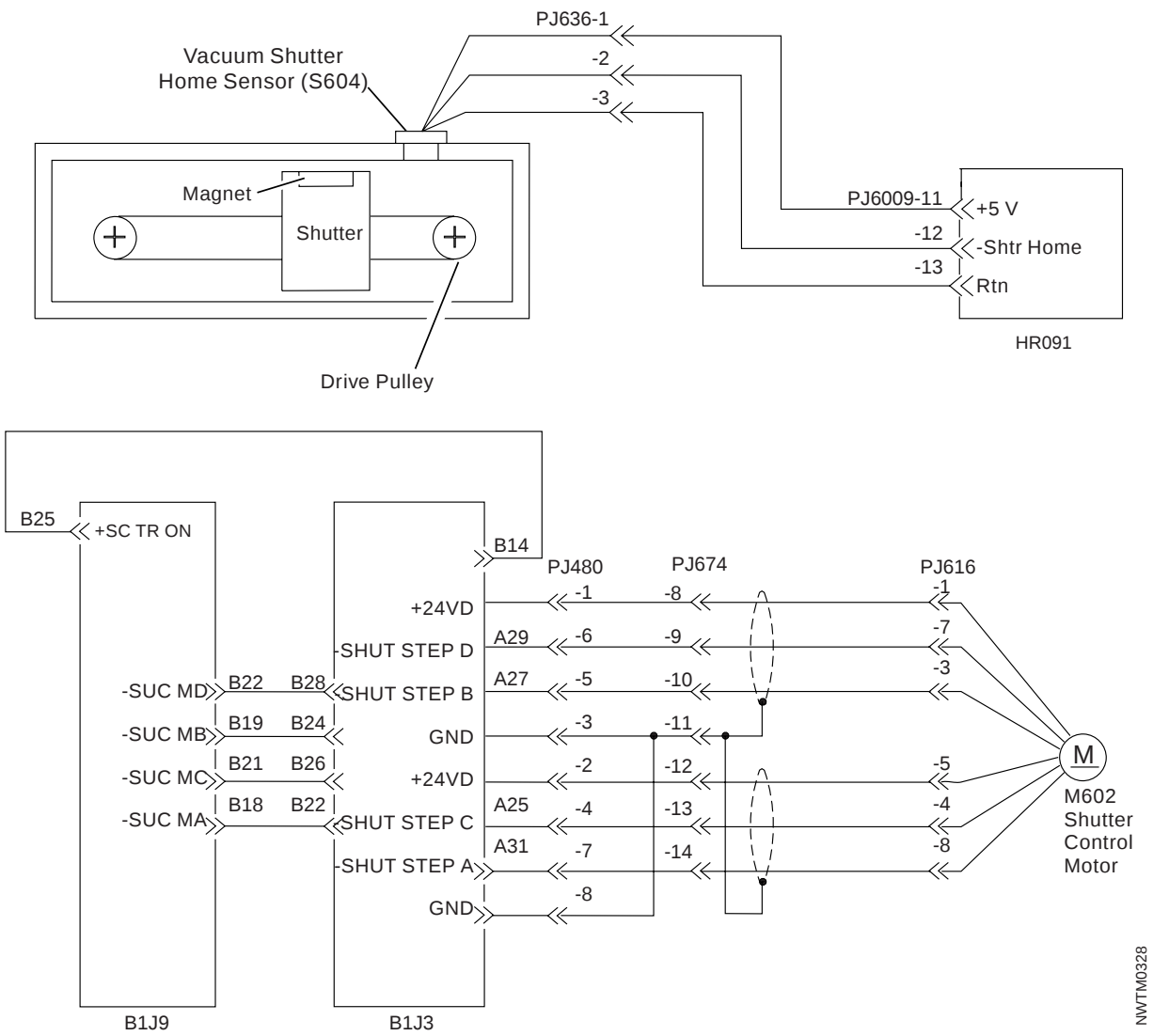


NWTTM0366

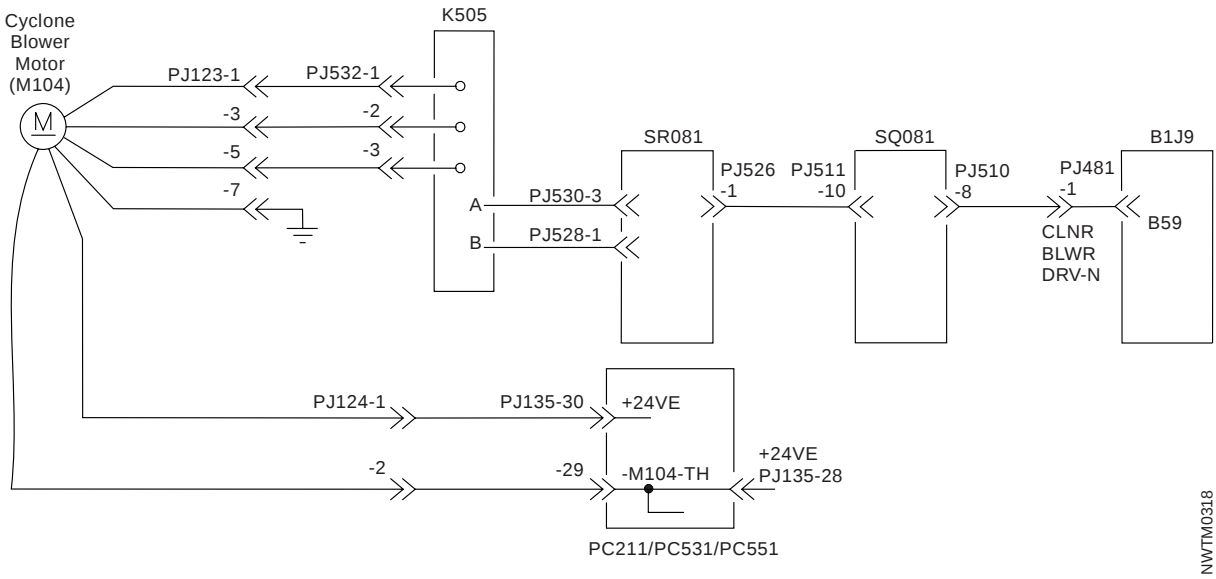
CD69 - Shutter Control Motor (M602)



CD70 - Shutter Control Motor (M602) and Vacuum Shutter Home Sensor (S604)

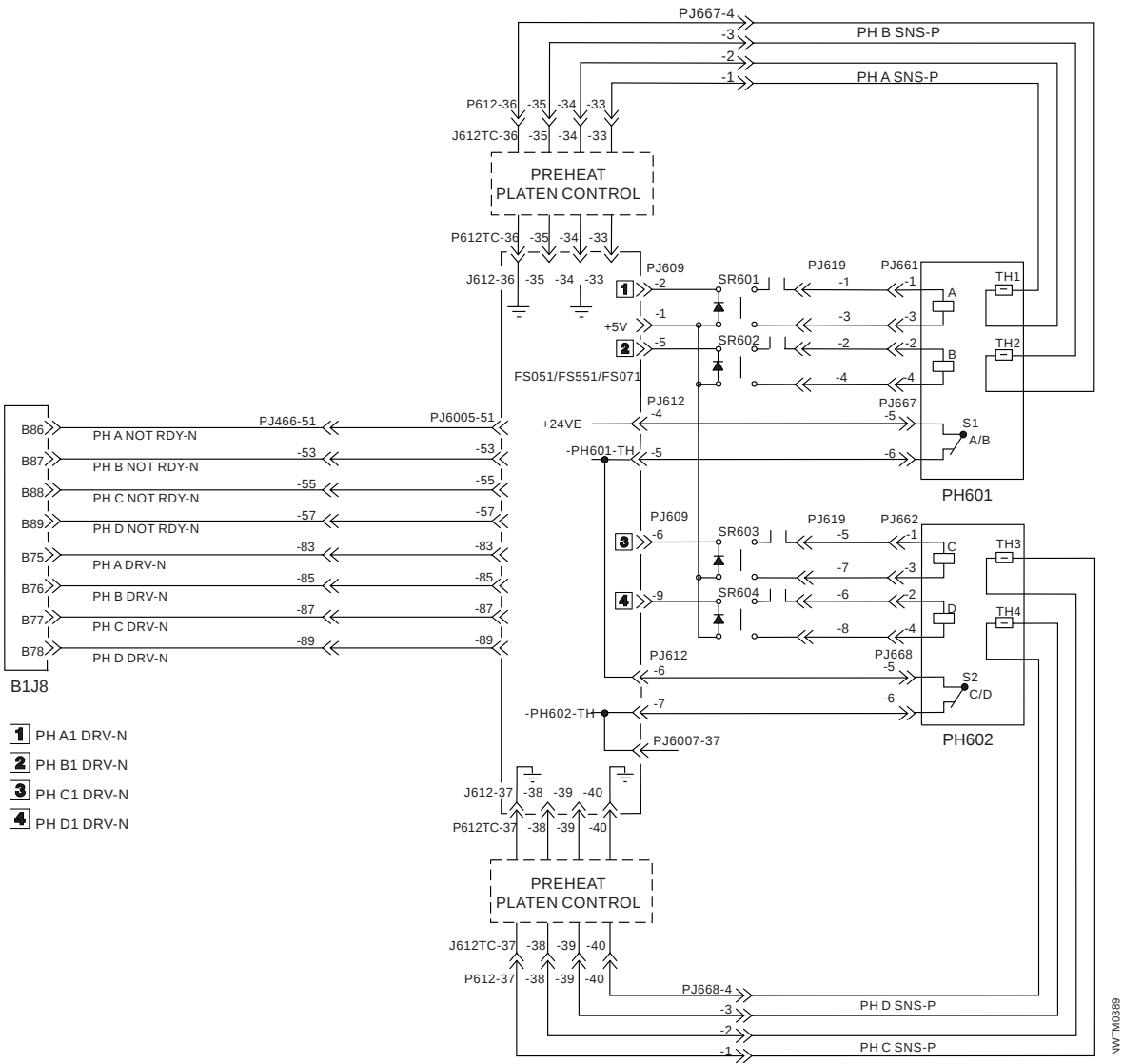


CD71 - Cyclone Blower Motor (M104)

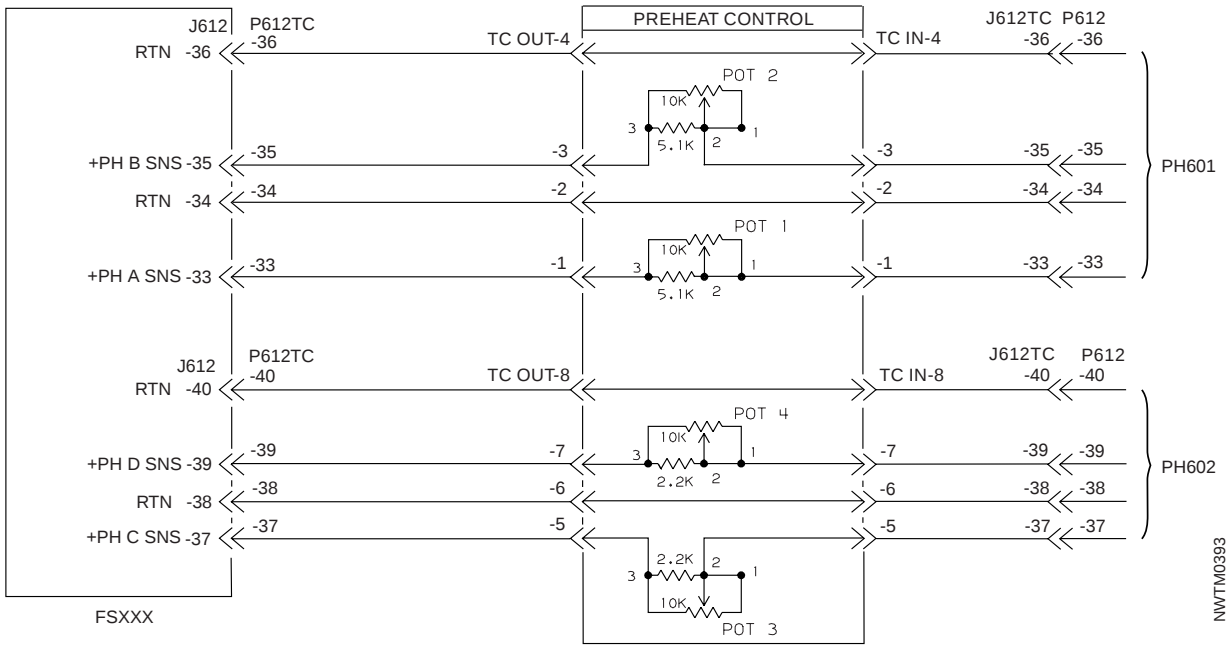


The diagram illustrates the electrical connections for the Cyclone Blower Motor (M104) and Rotation Sensor (S116). The sensor is connected to the PC211/PC531/PC551 module via three signal lines: PJ150-1 (BLWR REV-N), PJ150-2 (RTN), and PJ150-3. The motor is connected to the K505 module via four signal lines: PJ123-1 (A), PJ123-2 (R), PJ123-3 (S), and PJ123-4 (T). The K505 module is also connected to the SR081 module via PJ526-1, PJ530-3, and PJ528-1. The SR081 module is connected to the SQ081/SQ082 module via PJ511-10. The SQ081/SQ082 module is connected to the B1J8 module via PJ1003 (-61) and PJ464 (-61). The B1J8 module is connected to the B1J9 module via PJ510 (-8) and PJ481 (-1). The B1J9 module is connected to the B1J8 module via PJ510 (-8) and PJ481 (-1). The B1J8 module is connected to the B1J9 module via PJ510 (-8) and PJ481 (-1).

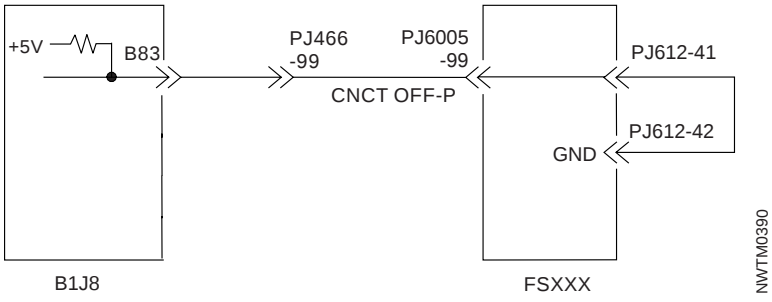
CD73 - Preheat Platen



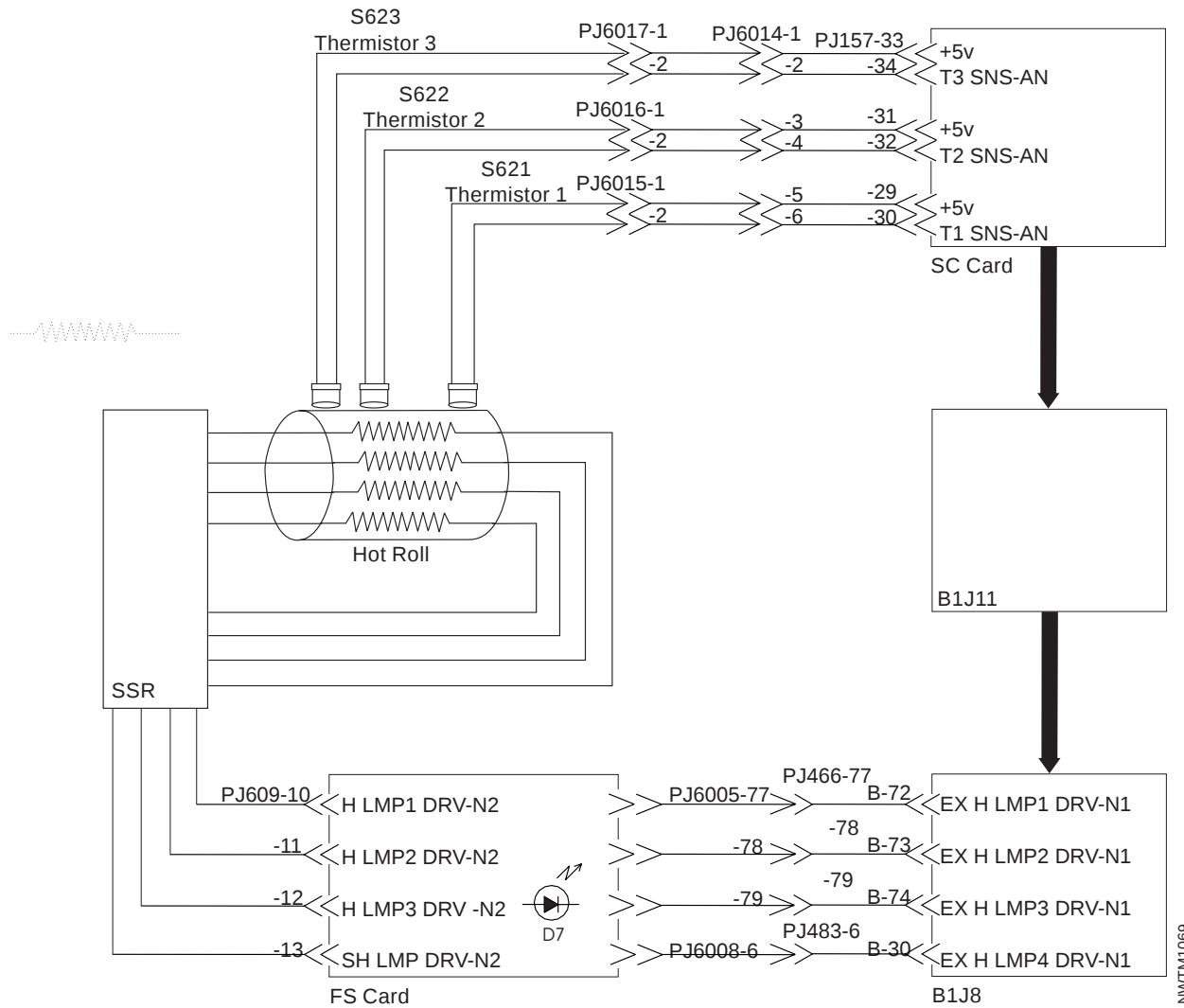
CD74 - Preheat Control



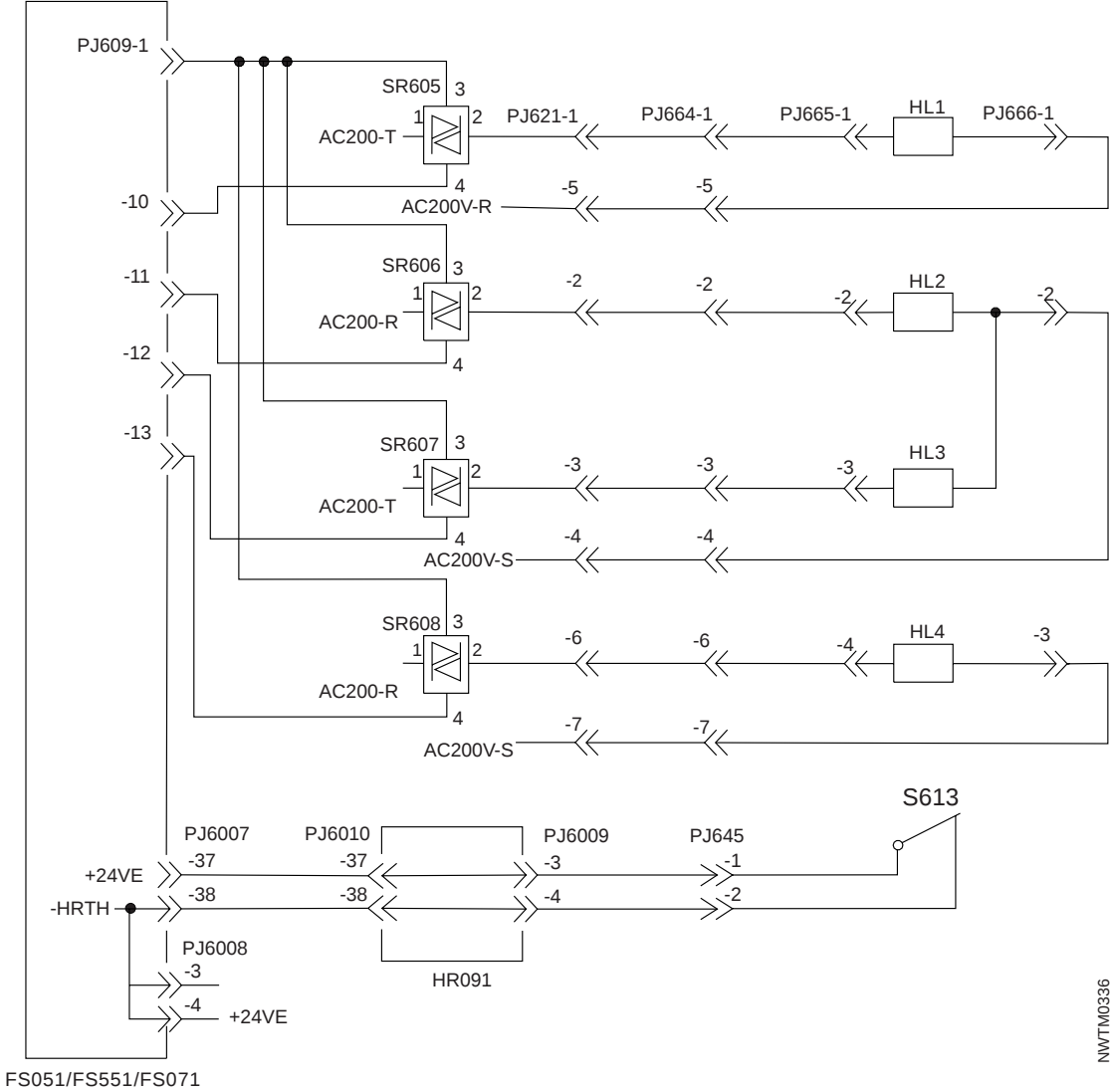
CD75 - Preheat Platen Thermal



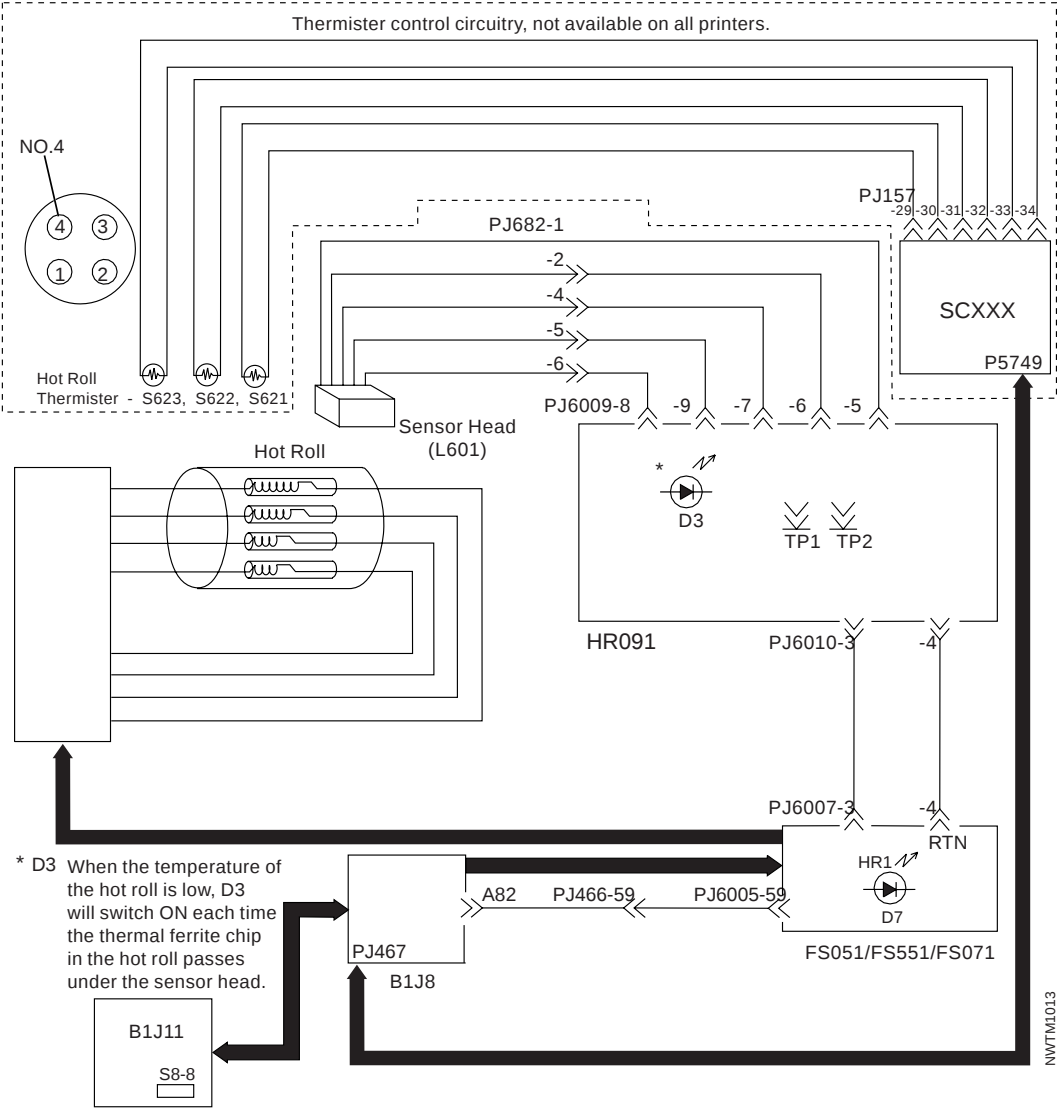
CD76 - Hot Roll Temperature Control Thermistors (S621, S622, S623)



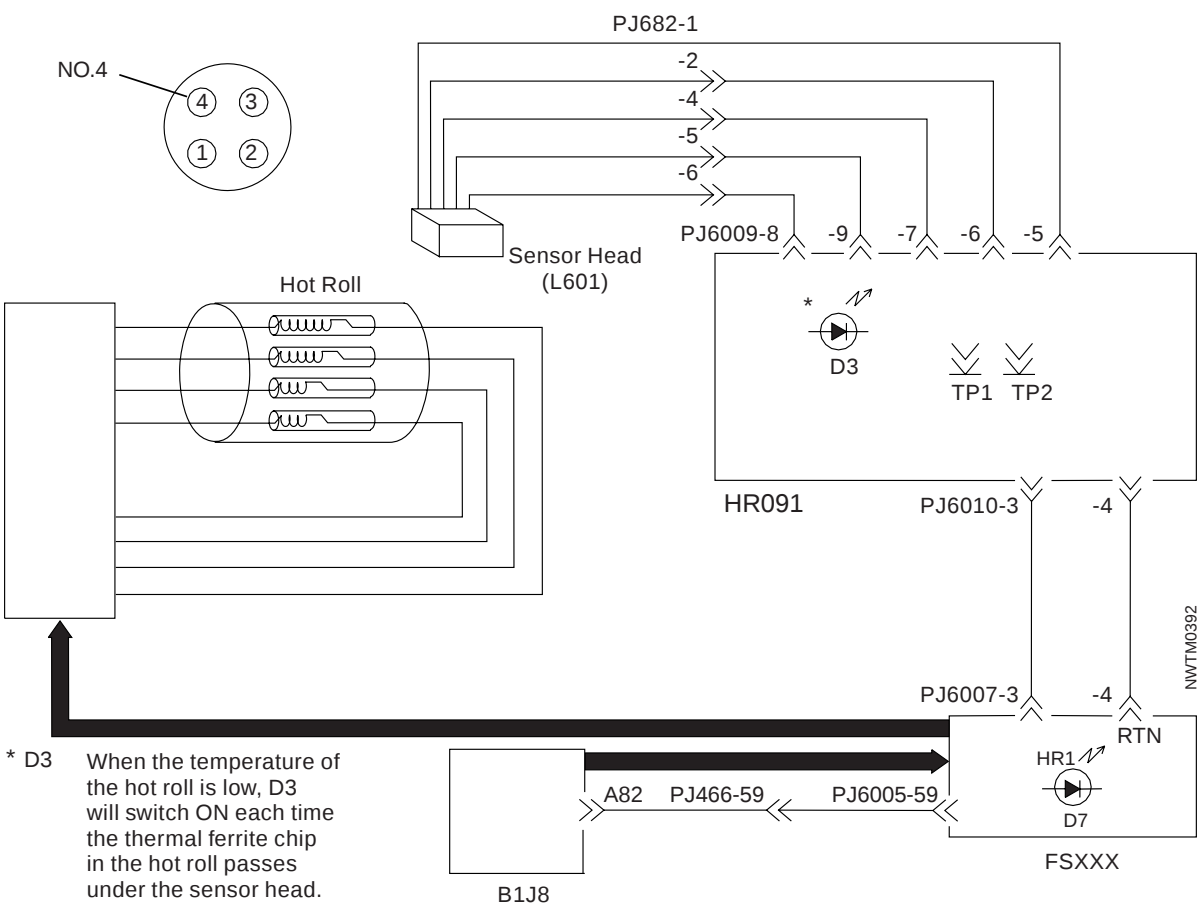
CD77 - Hot Roll Over-temperature Sensor (S613)



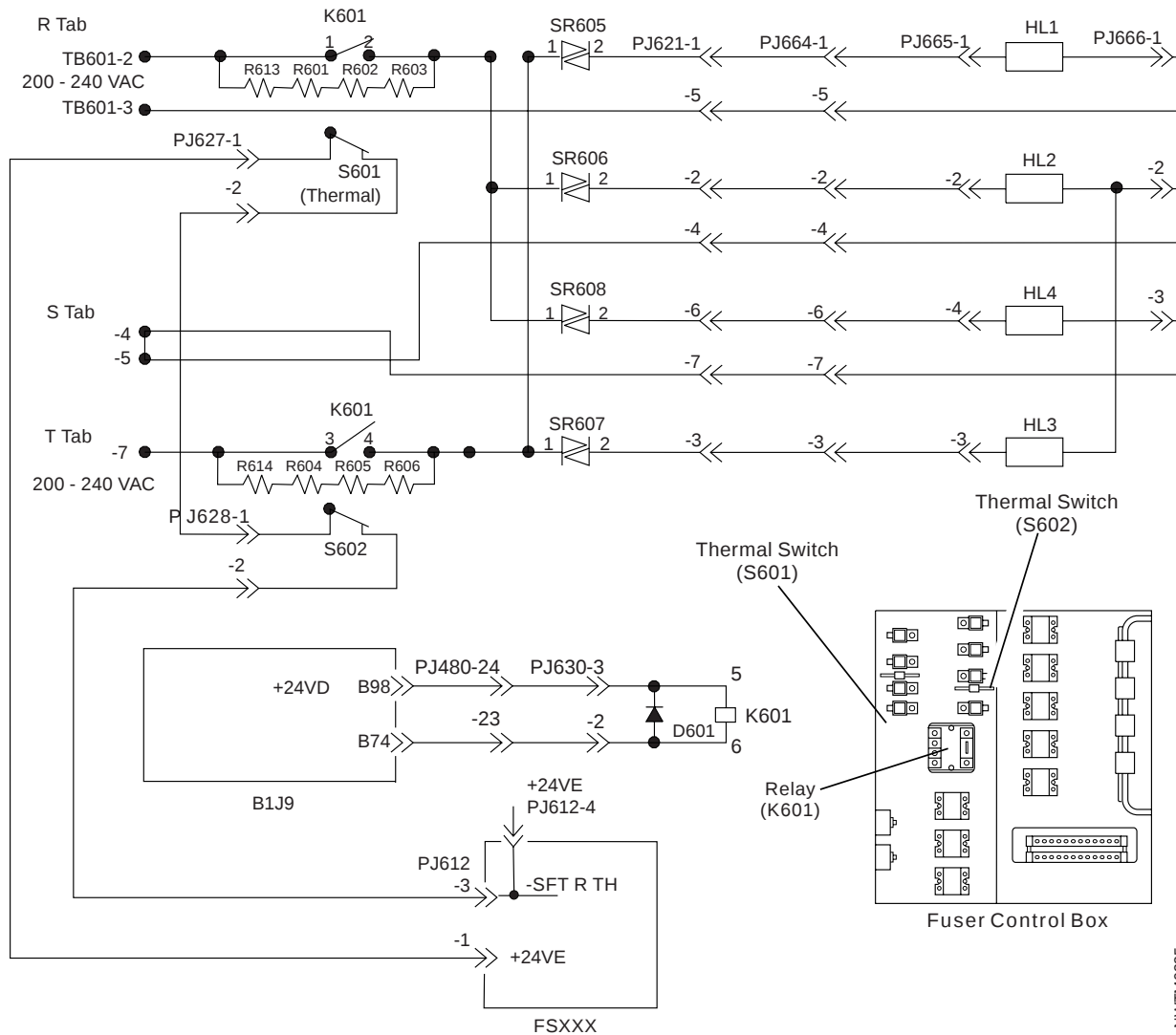
CD78 - Hot Roll Temperature Control Sensor (L601)



CD79 - Hot Roll Lamp Control

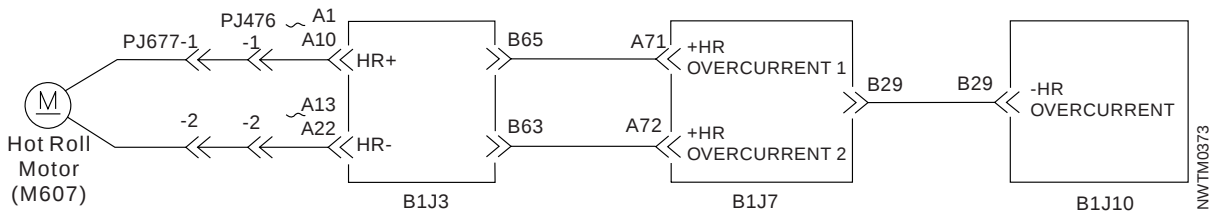


CD80 - Hot Roll Soft Start Thermal Sensors (S601, S602)



NWTFM0335

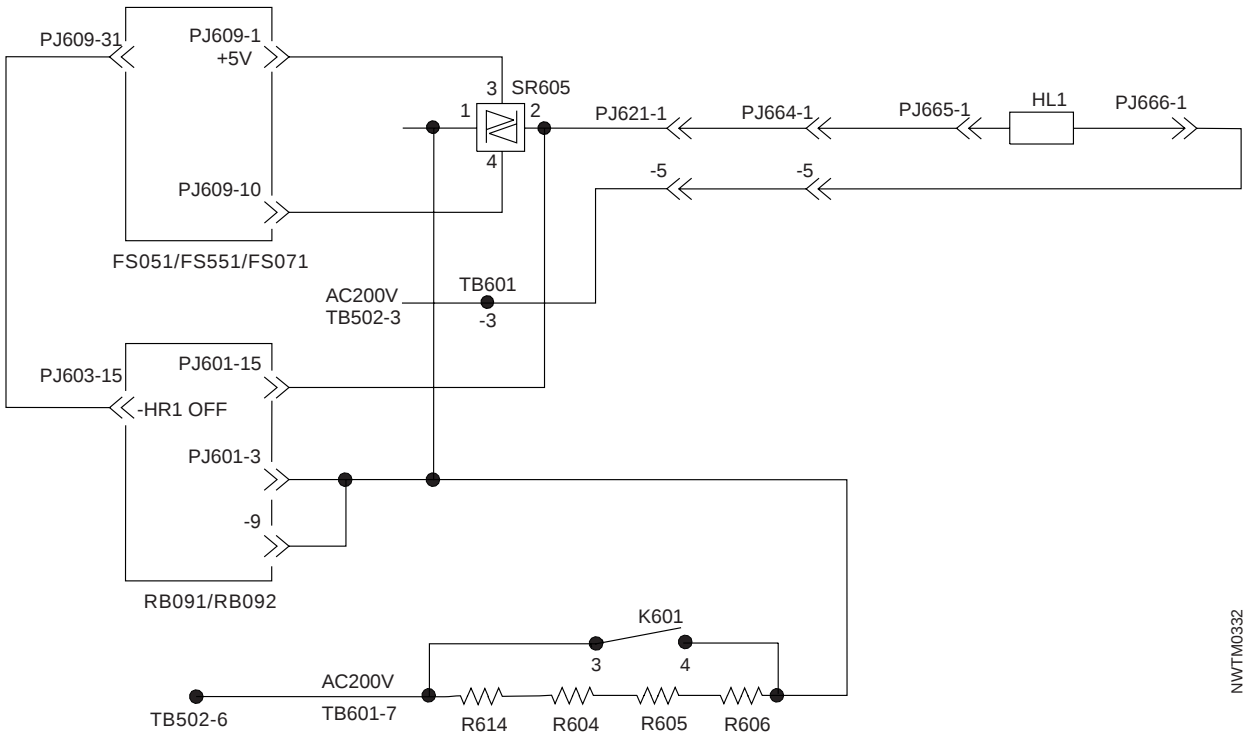
CD81 - Hot Roll Motor Over-current Detection (M607)



CD82 - Hot Roll Lamp 1 Relay (SR605)

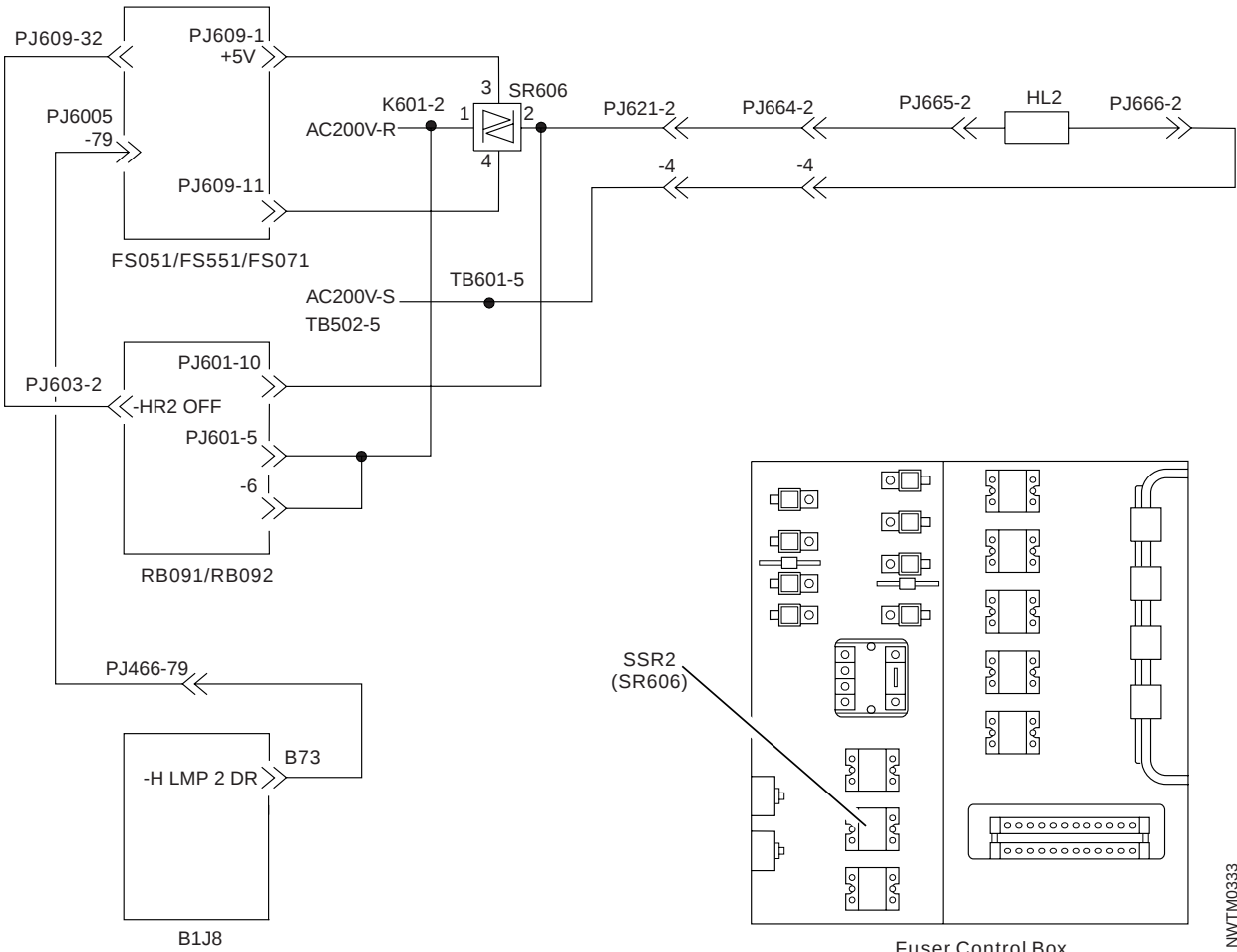


CD83 - Hot Roll Lamp 1

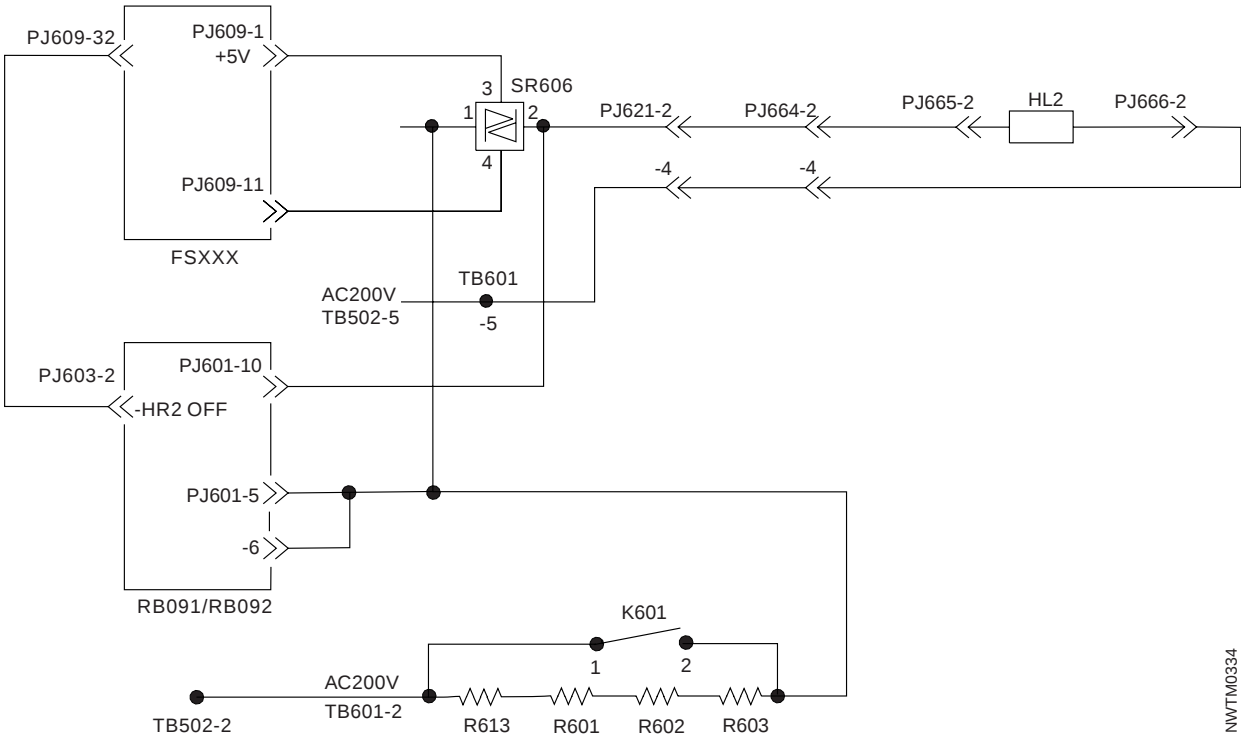


NW7M0332

CD84 - Hot Roll Lamp 2 Relay (SR606)

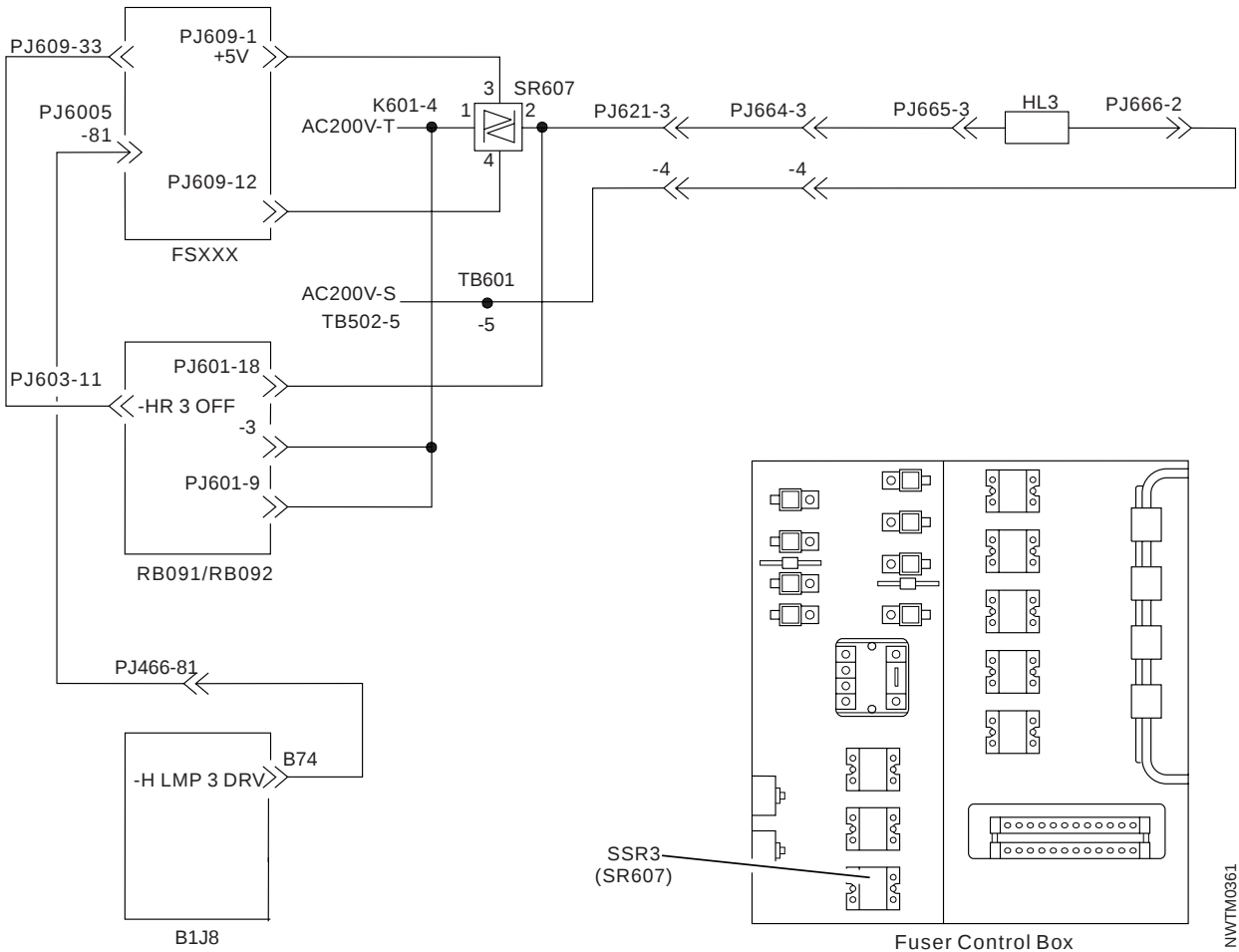


CD85 - Hot Roll Lamp 2

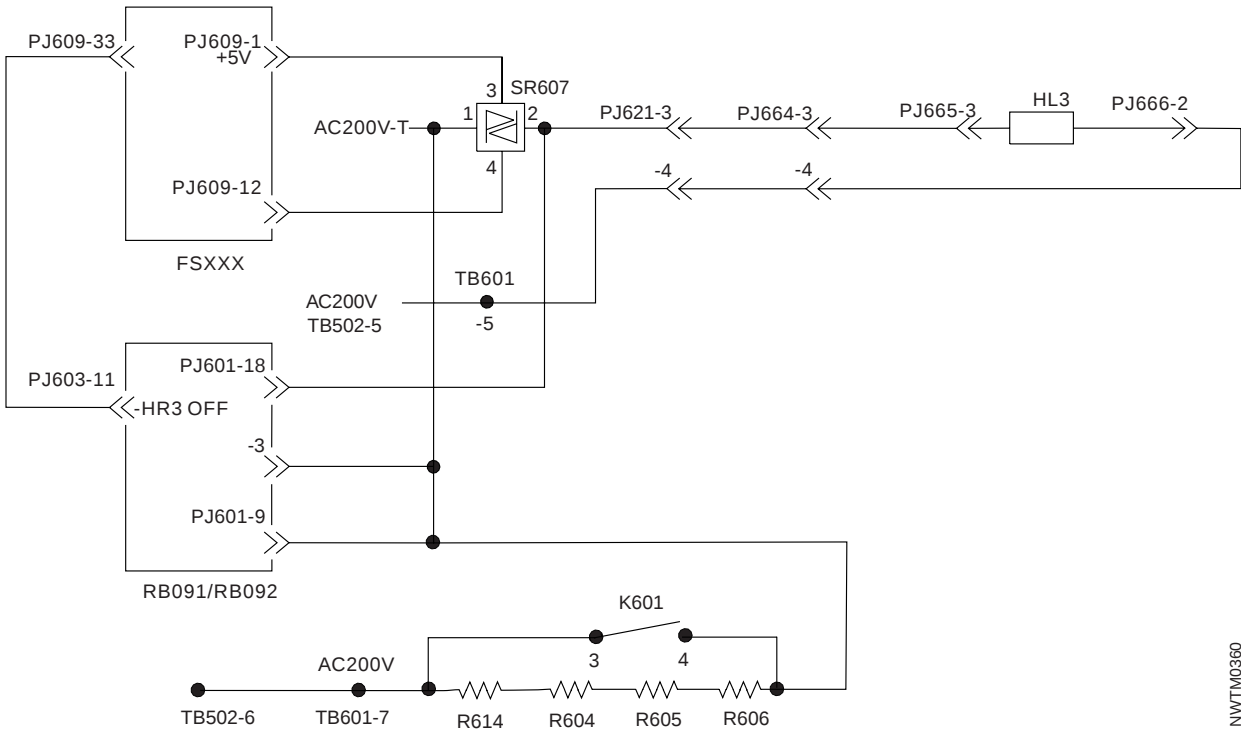


NWTM0334

CD86 - Hot Roll Lamp 3 Relay (SR607)



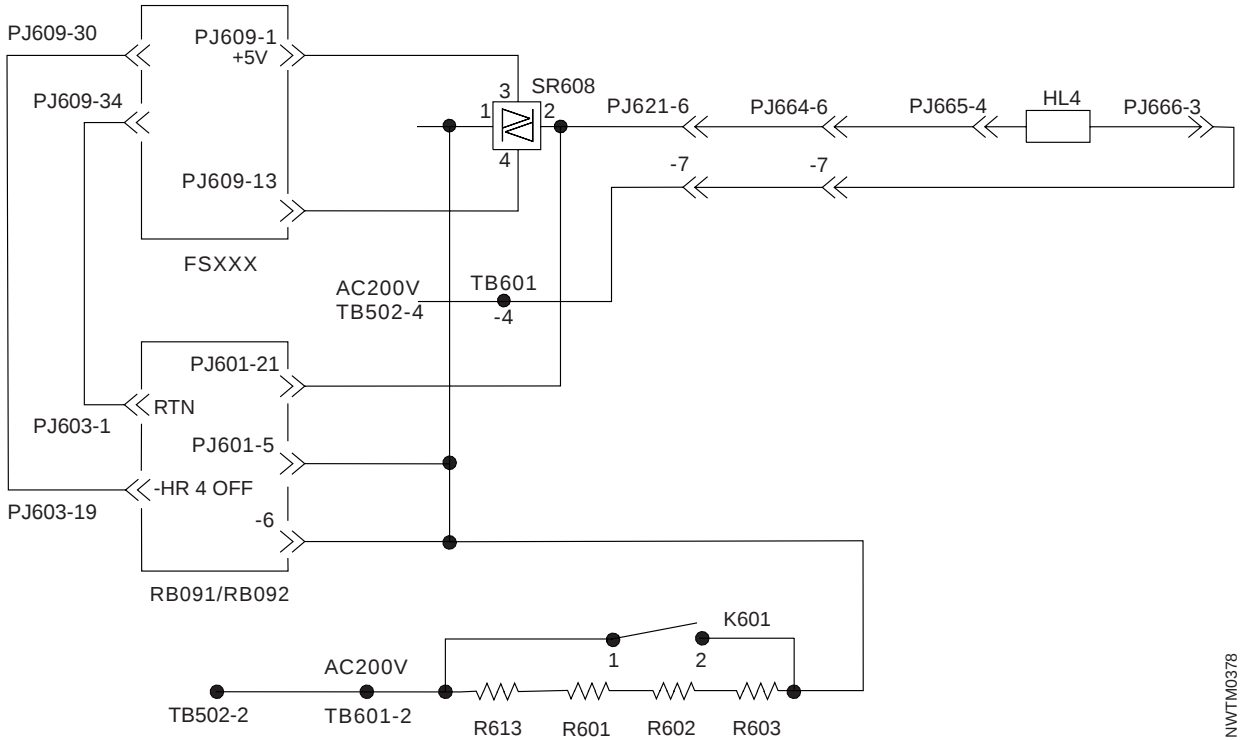
CD87 - Hot roll Lamp 3



NWTTM0360

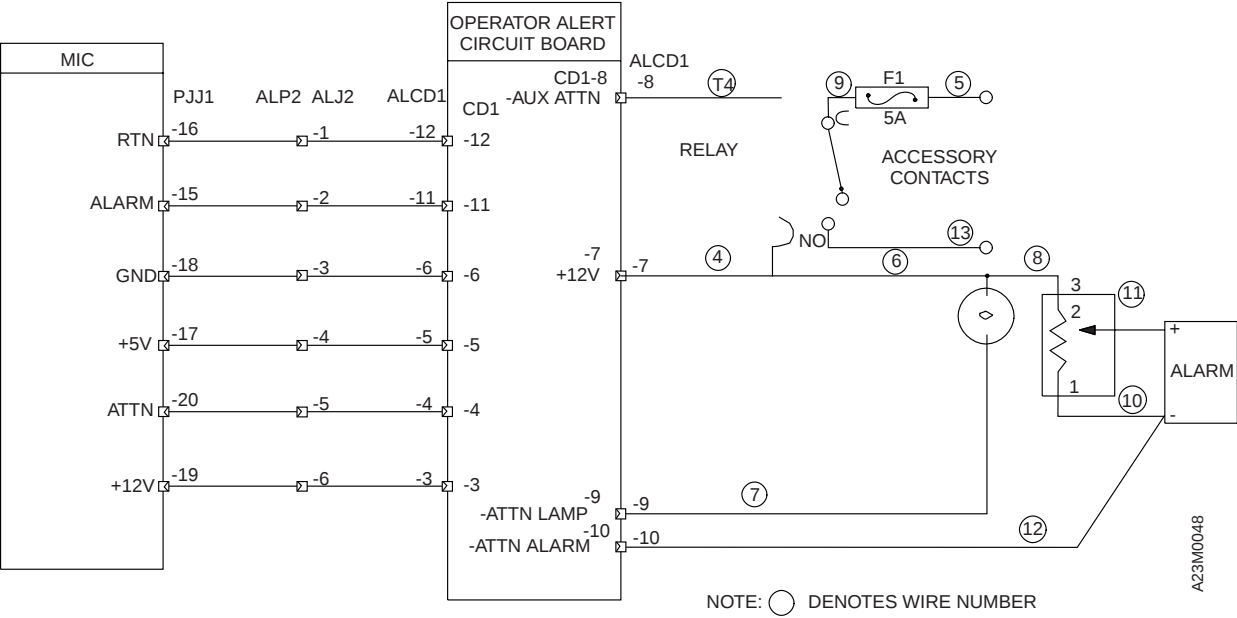
The diagram illustrates the wiring for the Fuser Control Box. It shows the connection of power lines (PJ609-30, PJ609-1 +5V) and ground lines (PJ609-13, FS071, PJ603-19, PJ601-21, RB092, PJ483-6, B30, -H LMP 4 DR, B1J8) to the control box. The control box contains various components, including a relay (SR608), a transformer (TB601), and a fuse (HL4). The diagram also shows the connection of the control box to the main power supply (AC200V-R, AC200V-S, TB502-4) and the output lines (PJ621-6, PJ664-6, PJ665-4, PJ666-3). The diagram is labeled 'Fuser Control Box' and 'NW7M0838'.

CD89 - Hot Roll Lamp 4

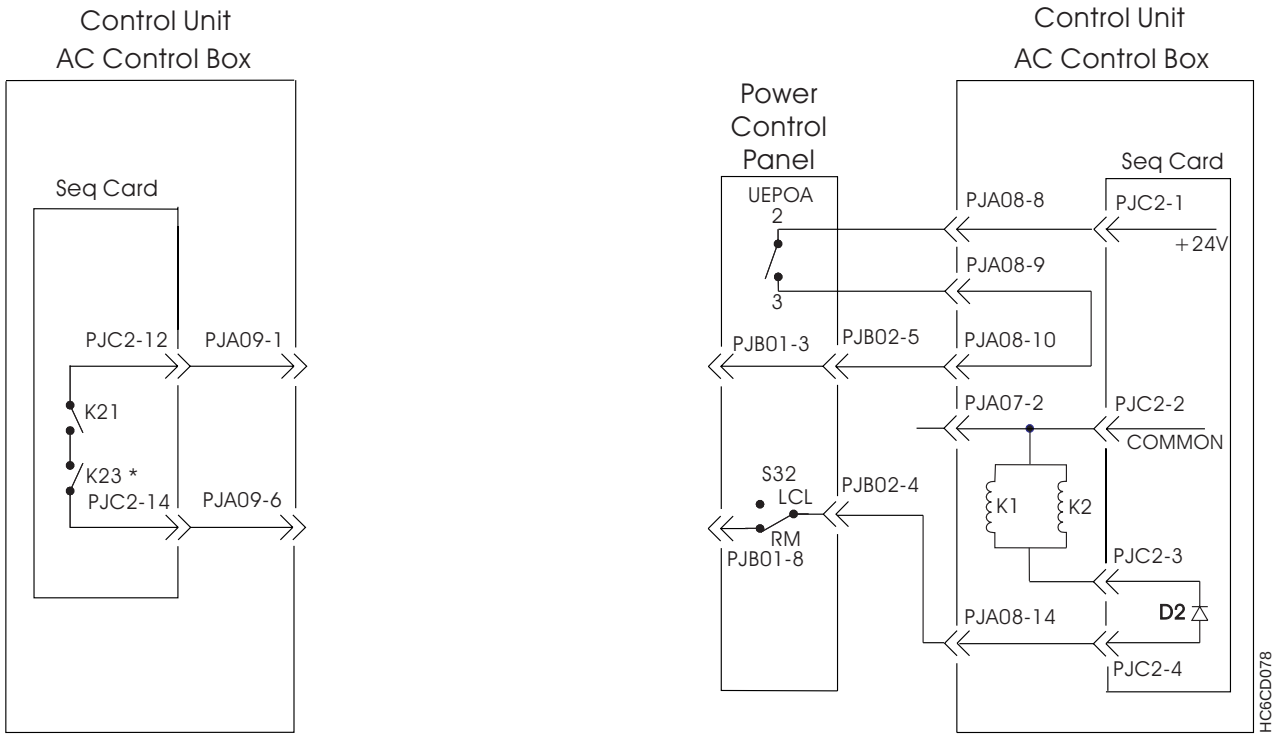


NWTM0378

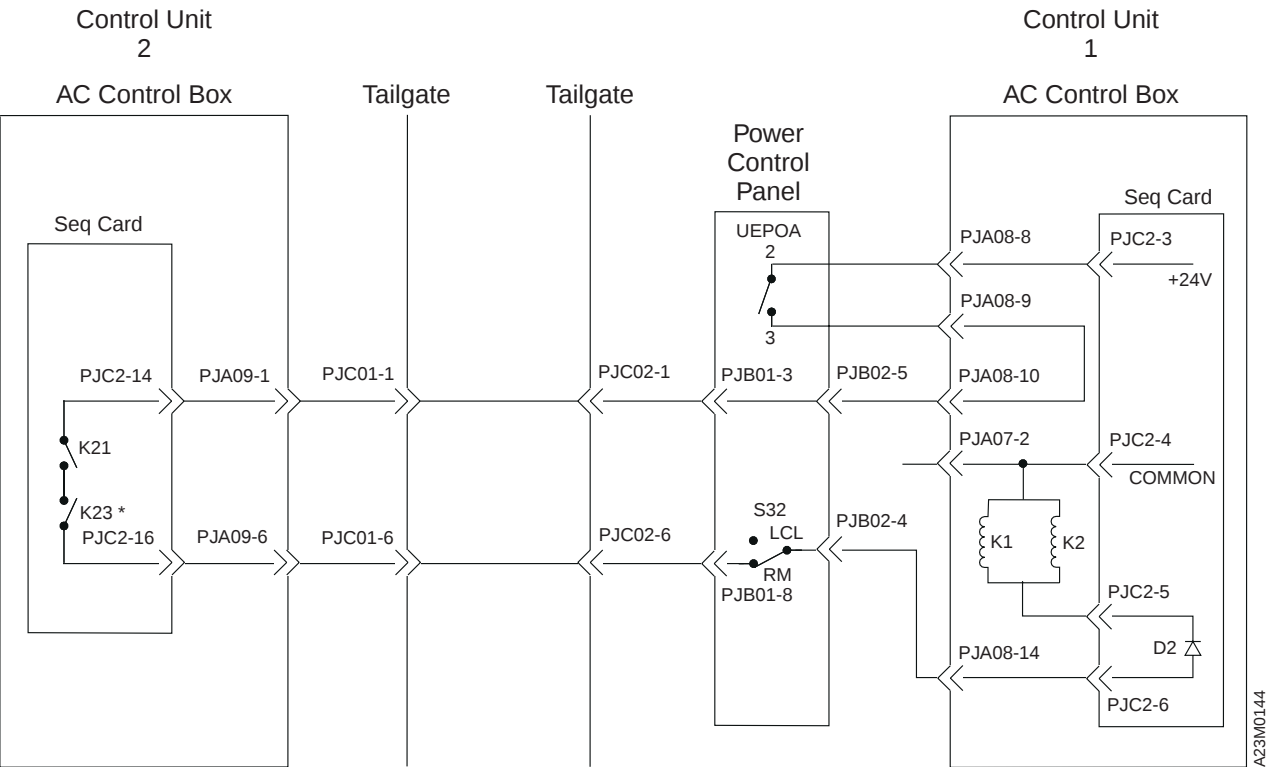
CD90 - Operator Alert



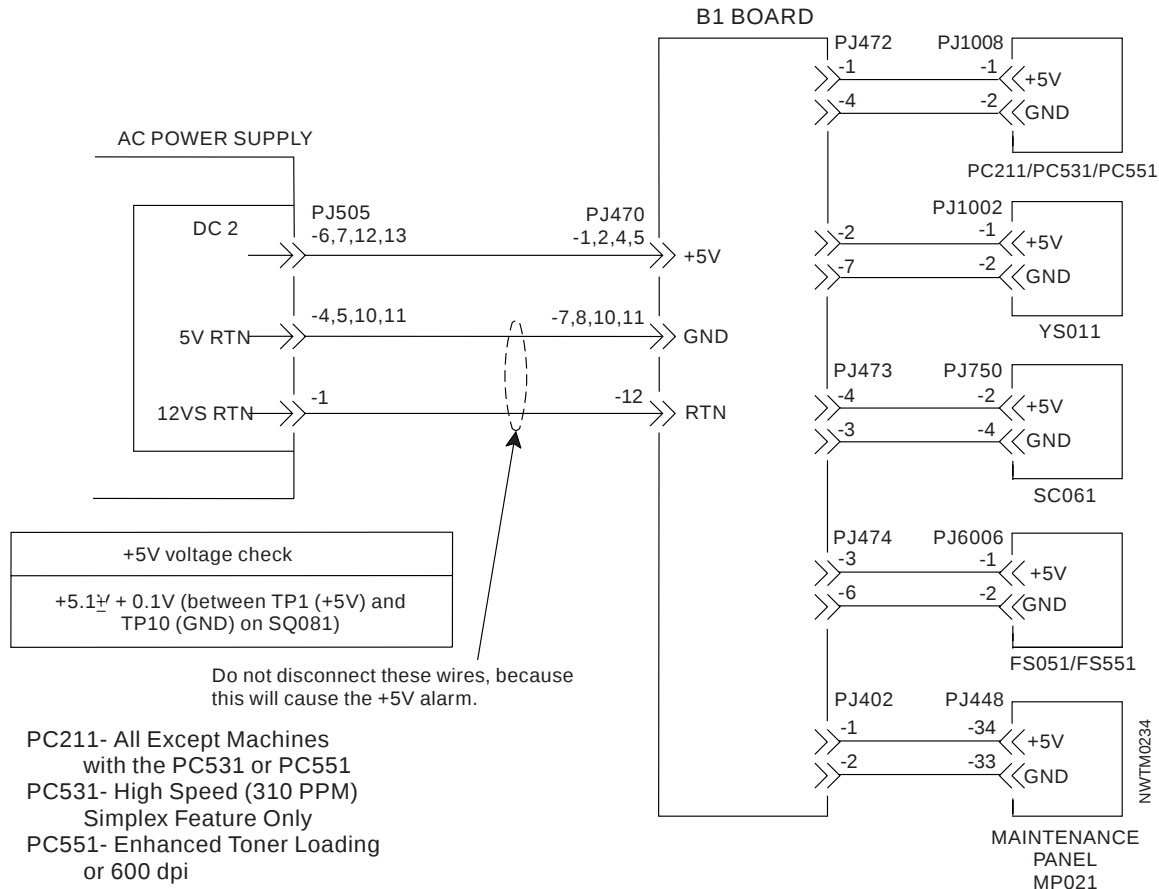
CD91 - Printer Remote Power



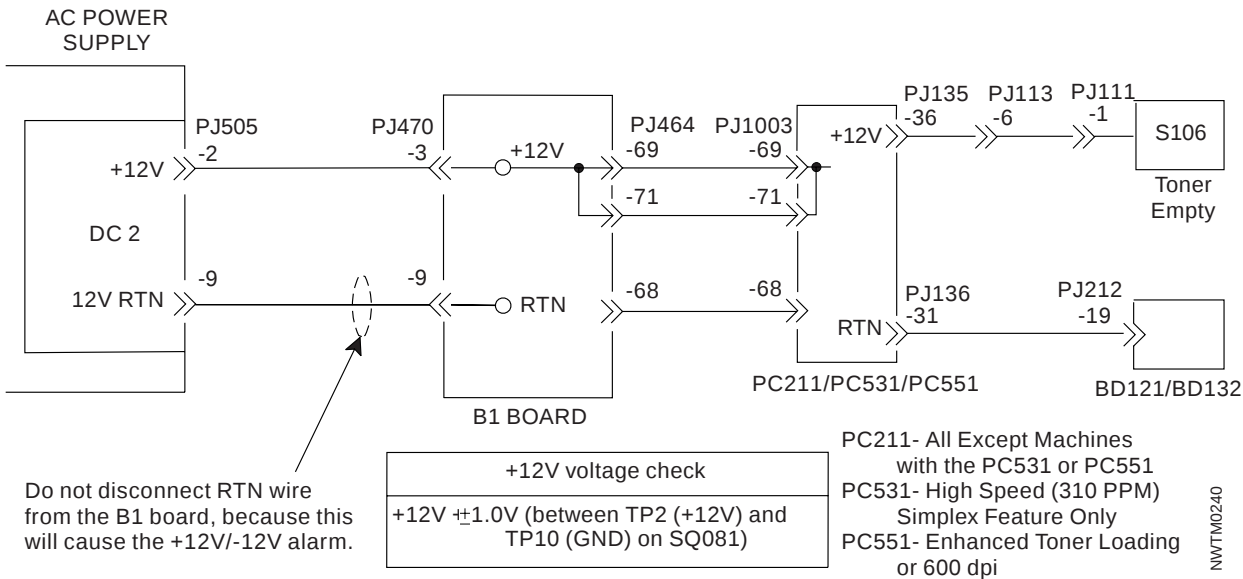
CD92 - Printer 1 Remote Power



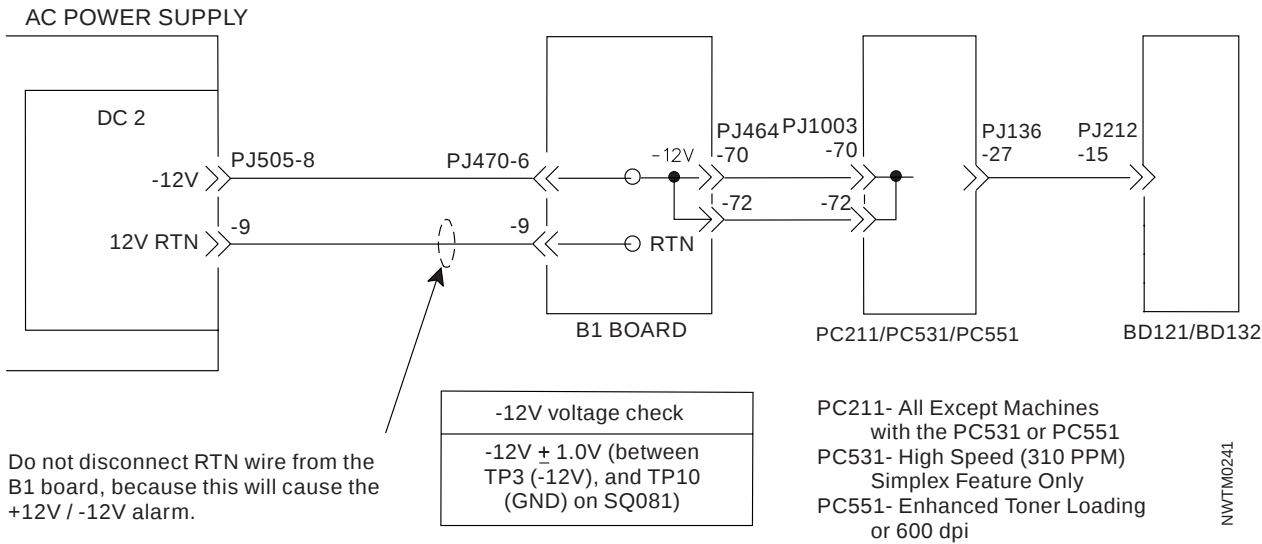
CD93 - (+5 V) Voltage Distribution



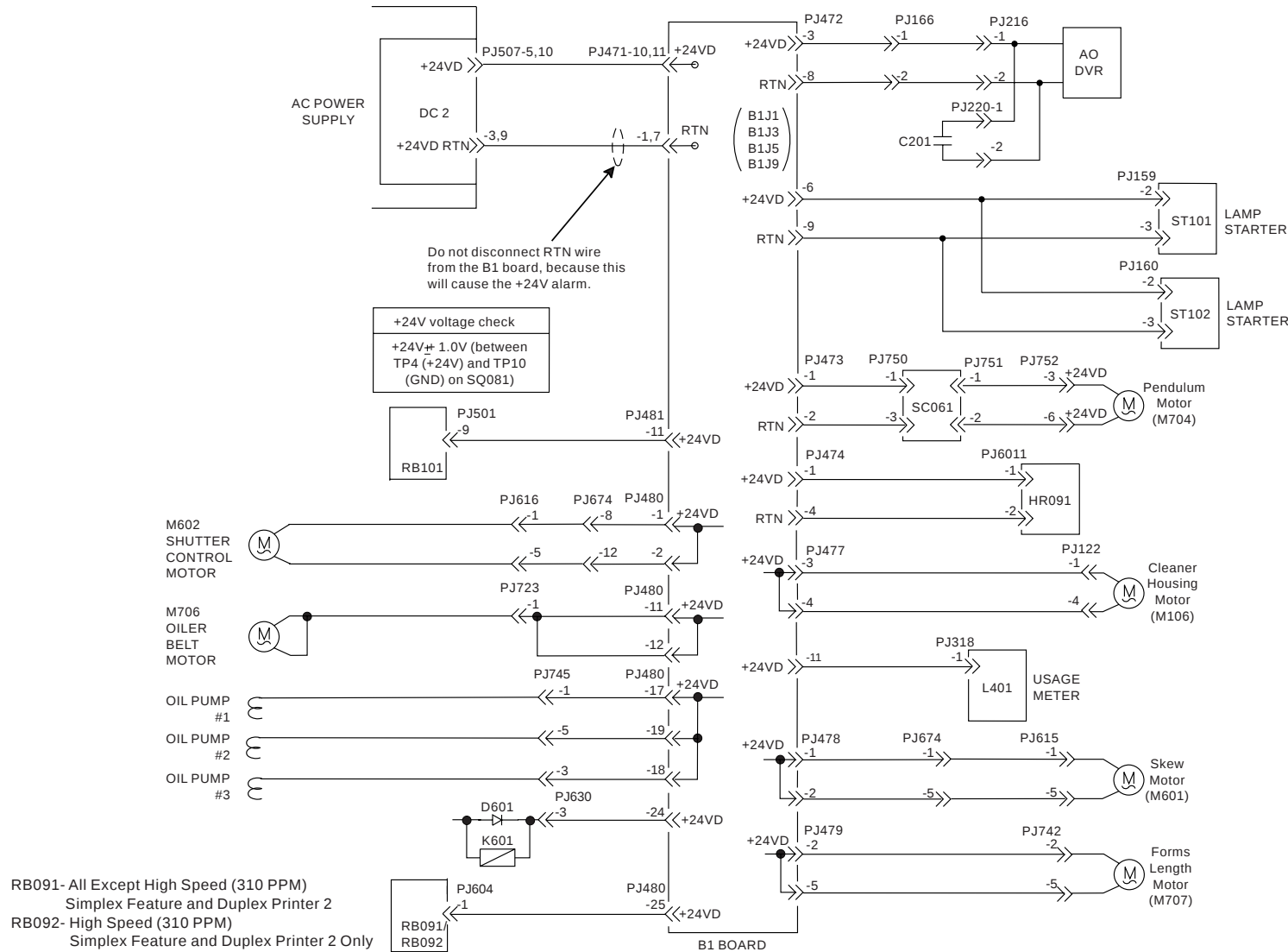
CD94 - (+12 V) Voltage Distribution



CD95 - (-12 V) Voltage Distribution

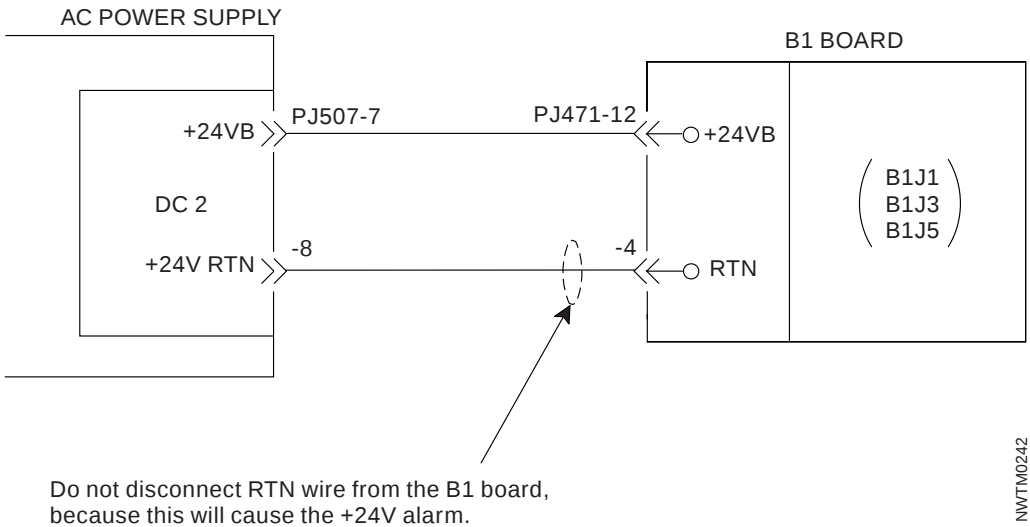


CD96 - (+24 VD) Voltage Distribution (Three Oil Pump)

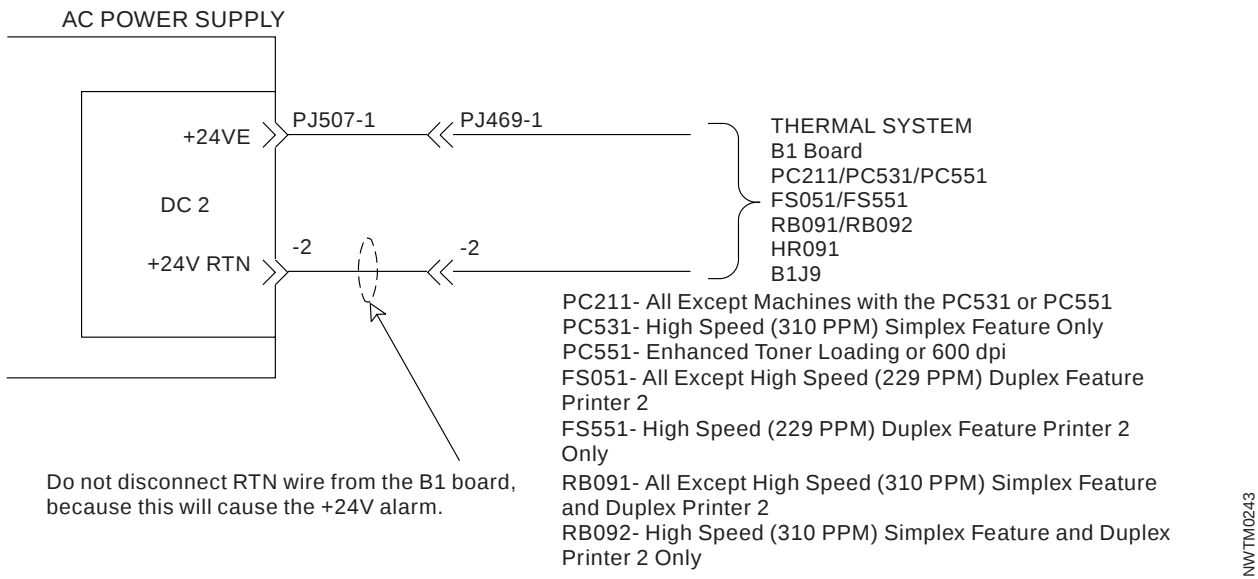


NWTM0235

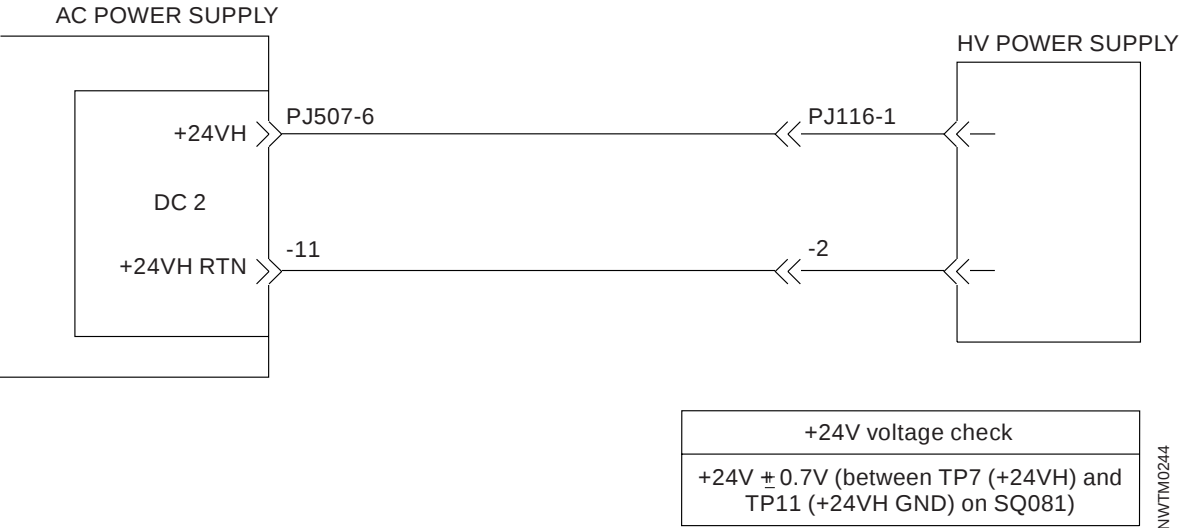
CD97 - (+24 VB) Voltage Distribution



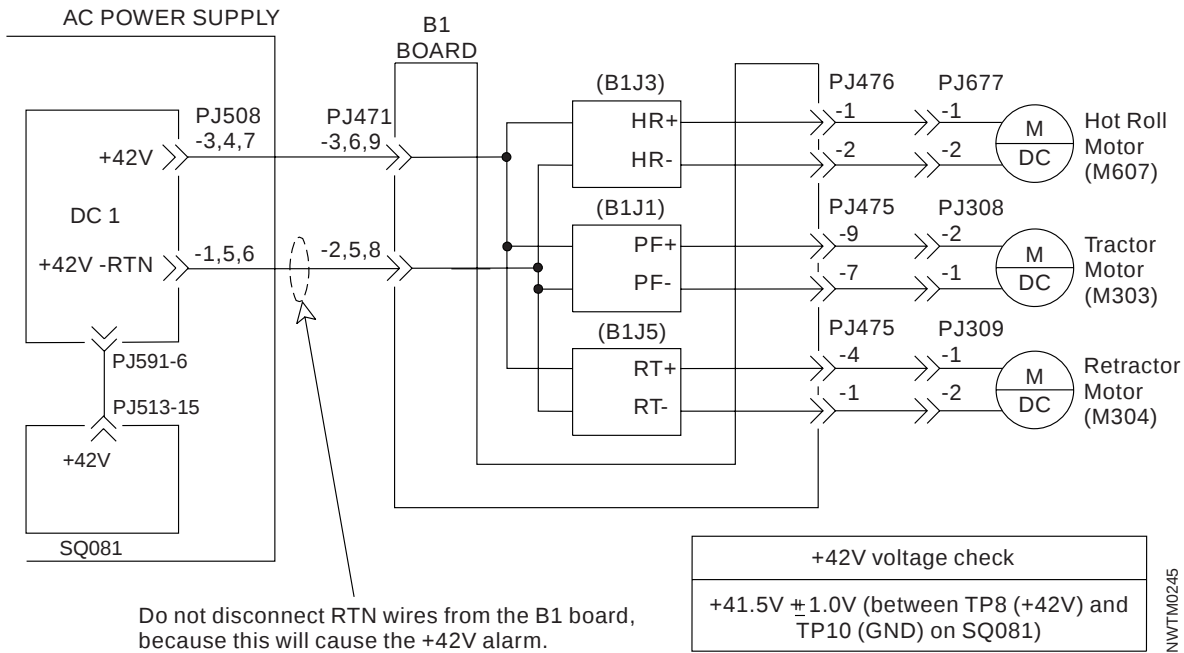
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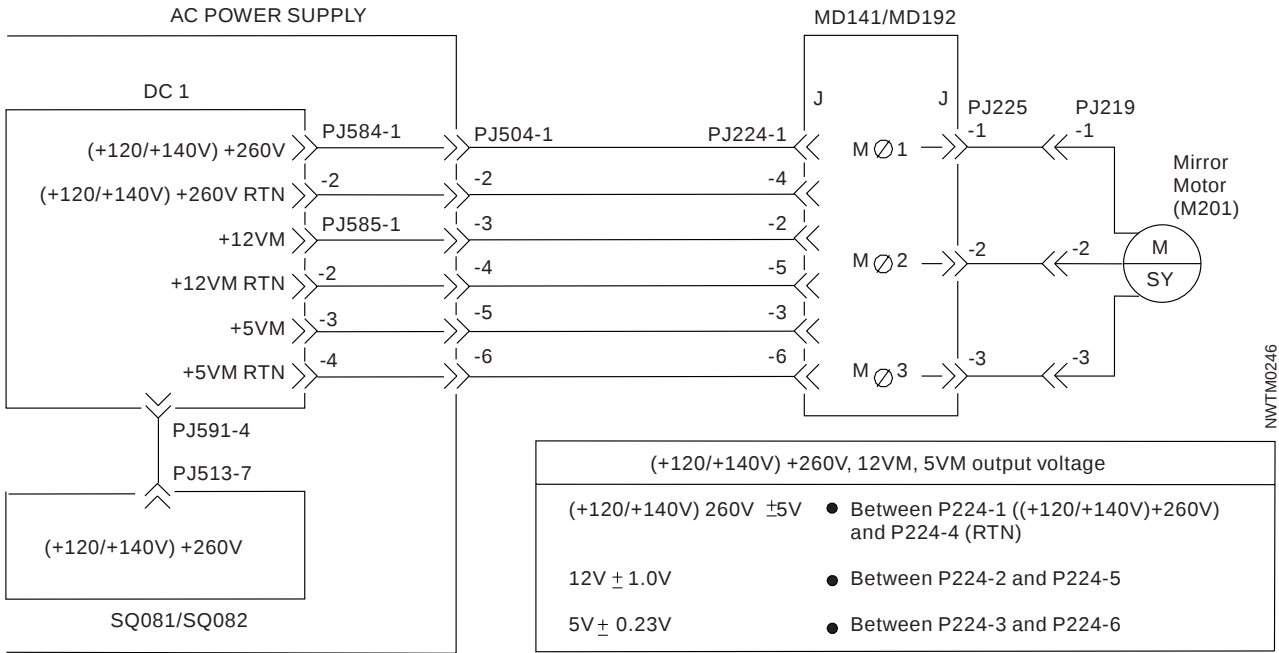
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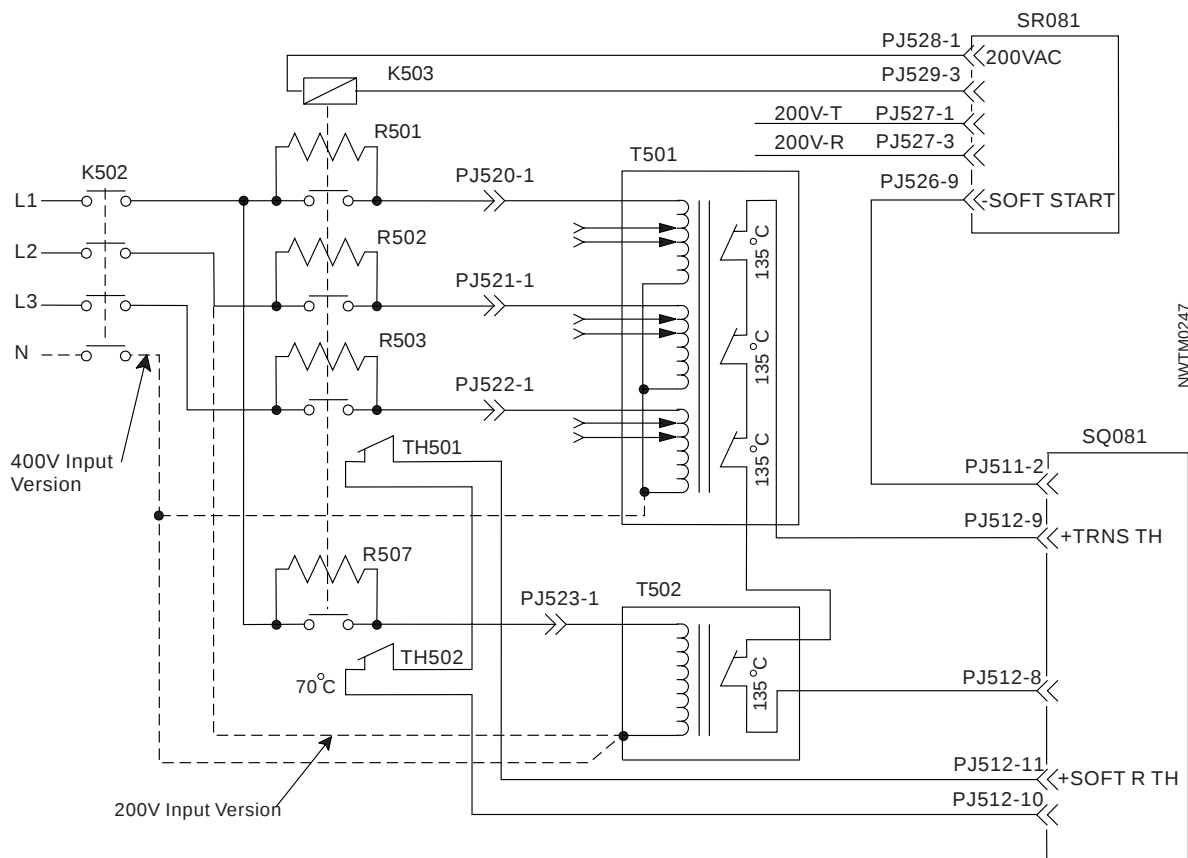
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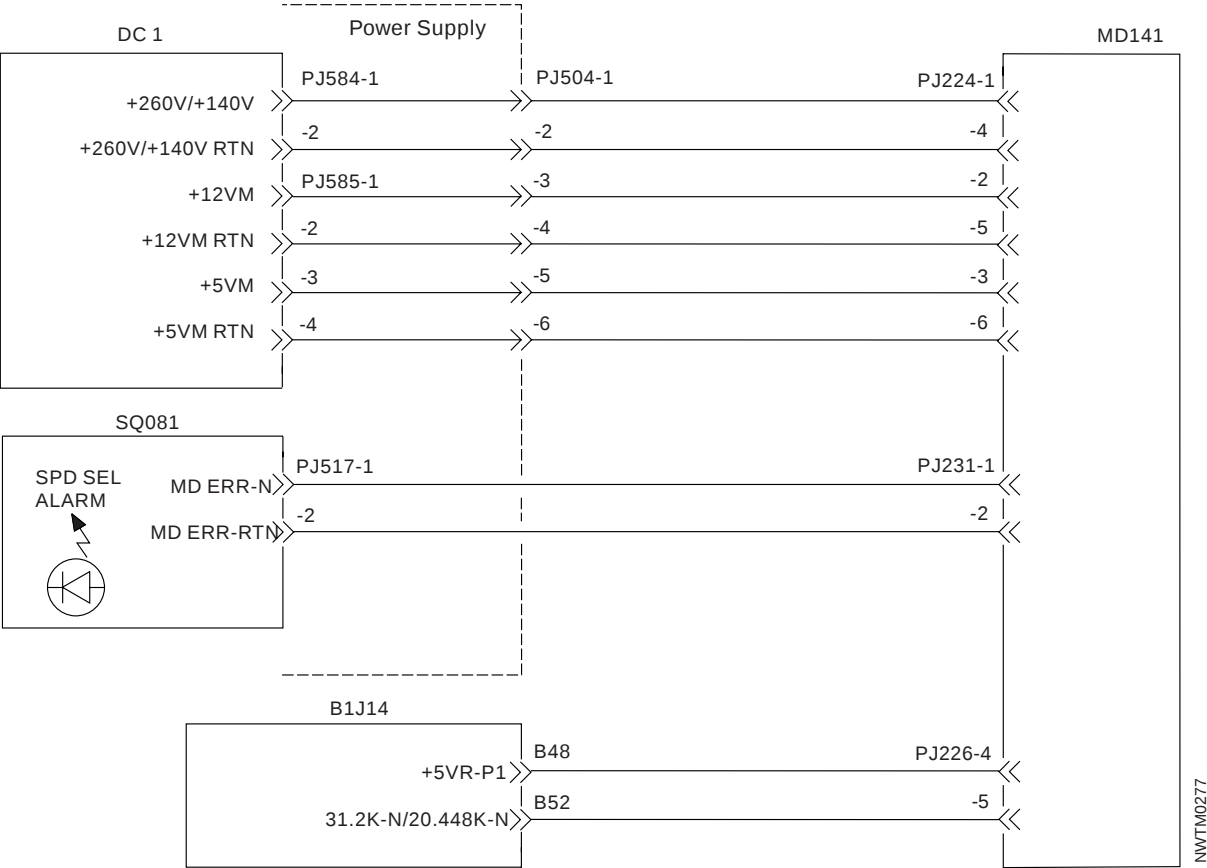
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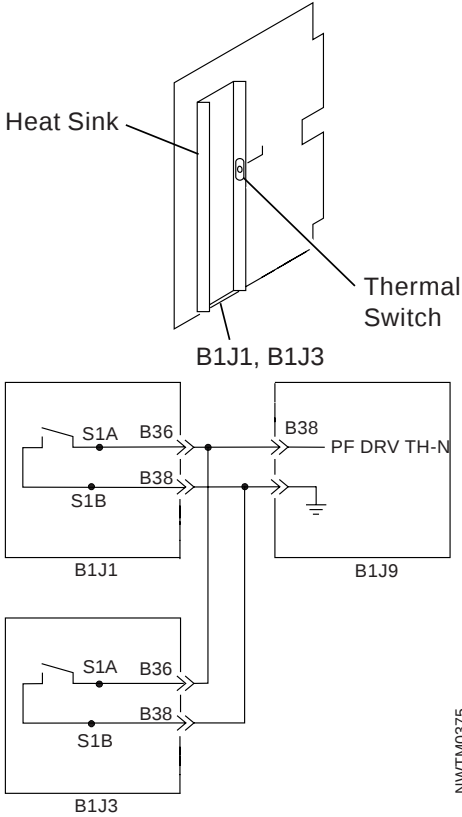
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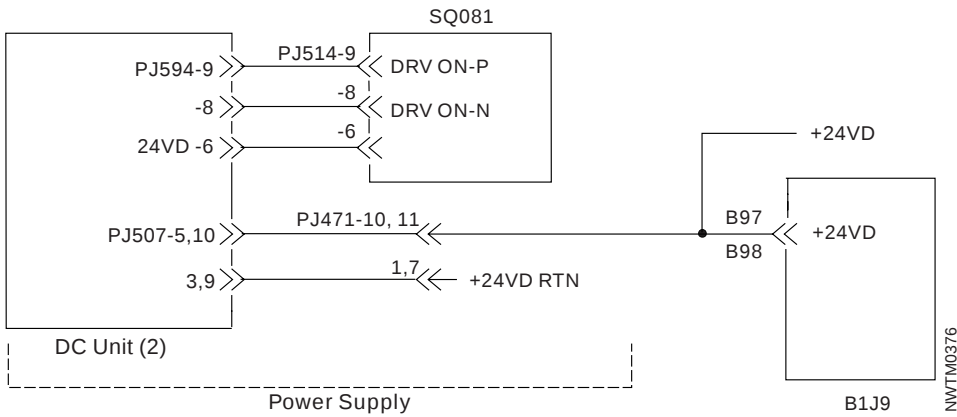


CD104 - B1 Logic Gate Thermal

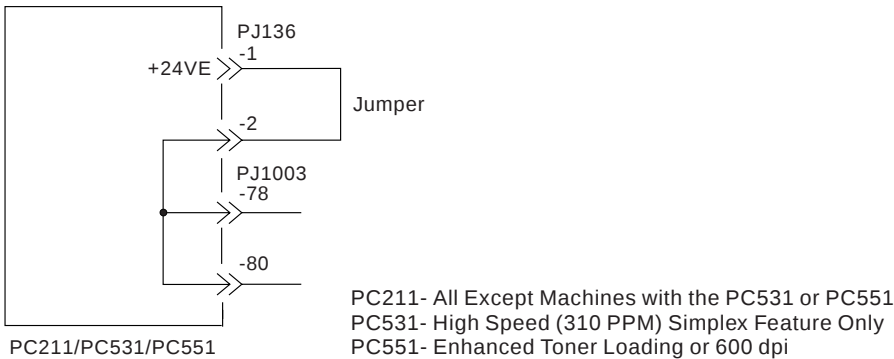


NWTM0375

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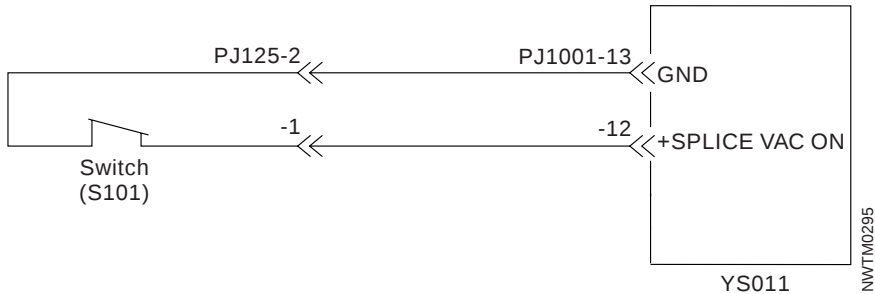


CD106 - PJ136 Jumper

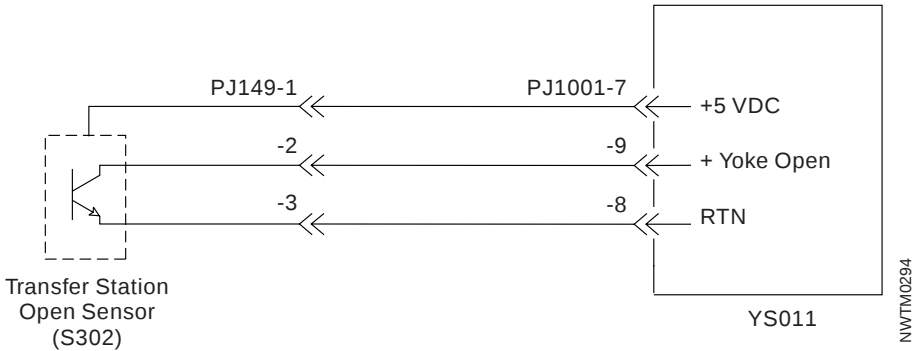


NWTTM0377

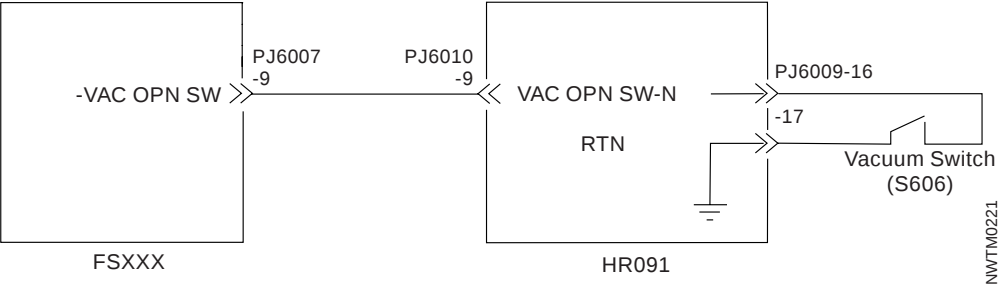
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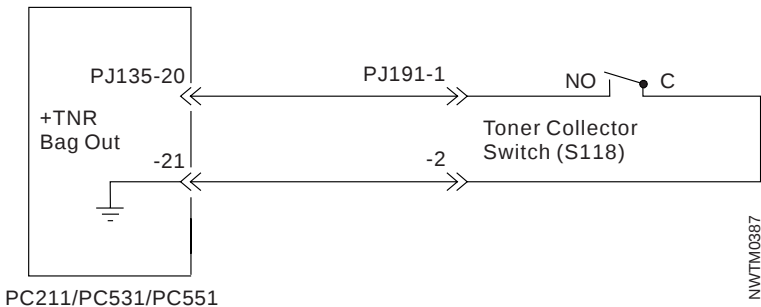
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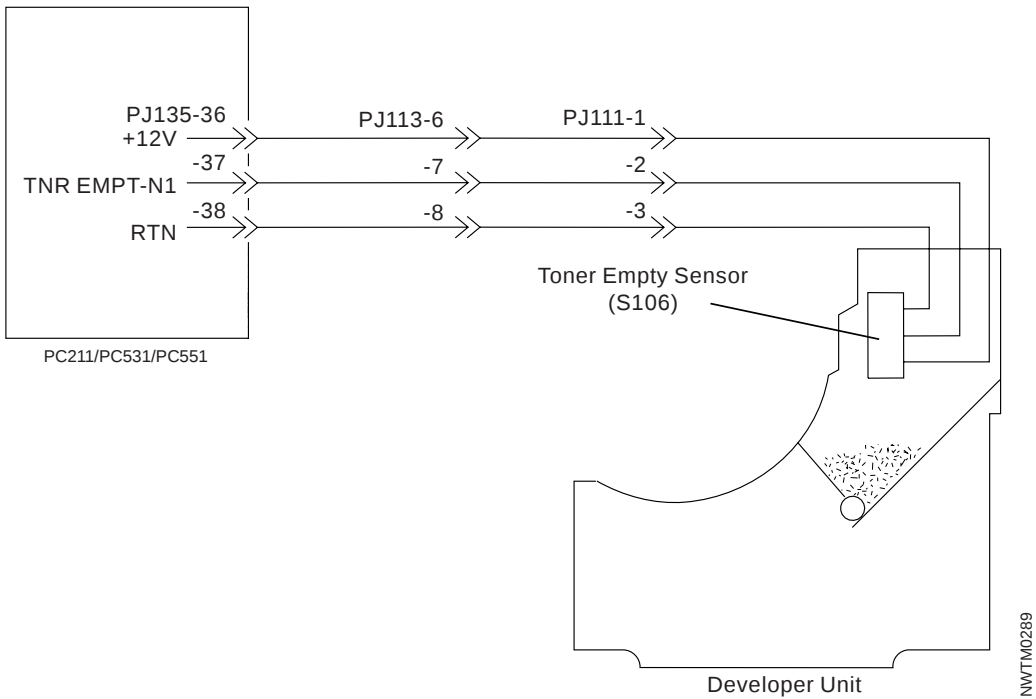
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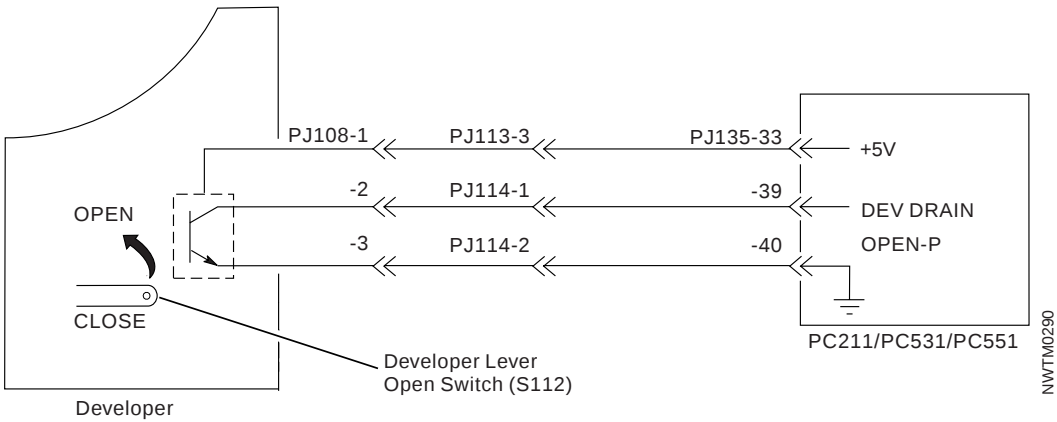
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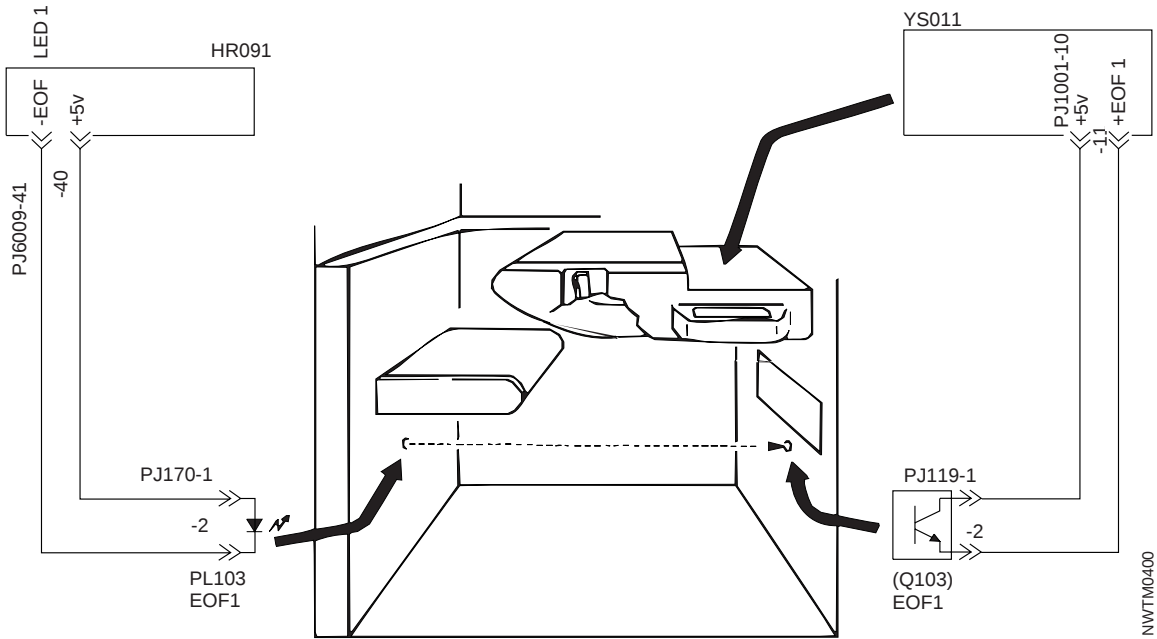
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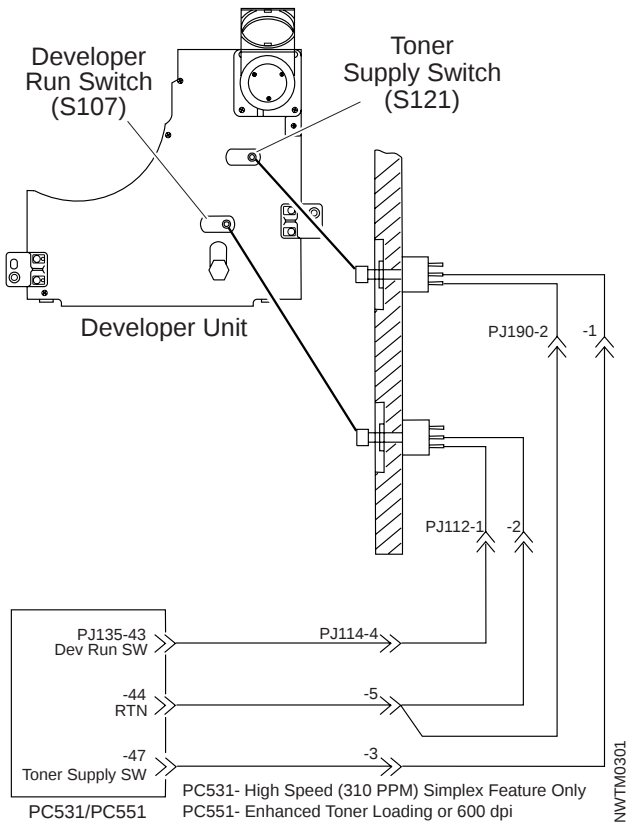
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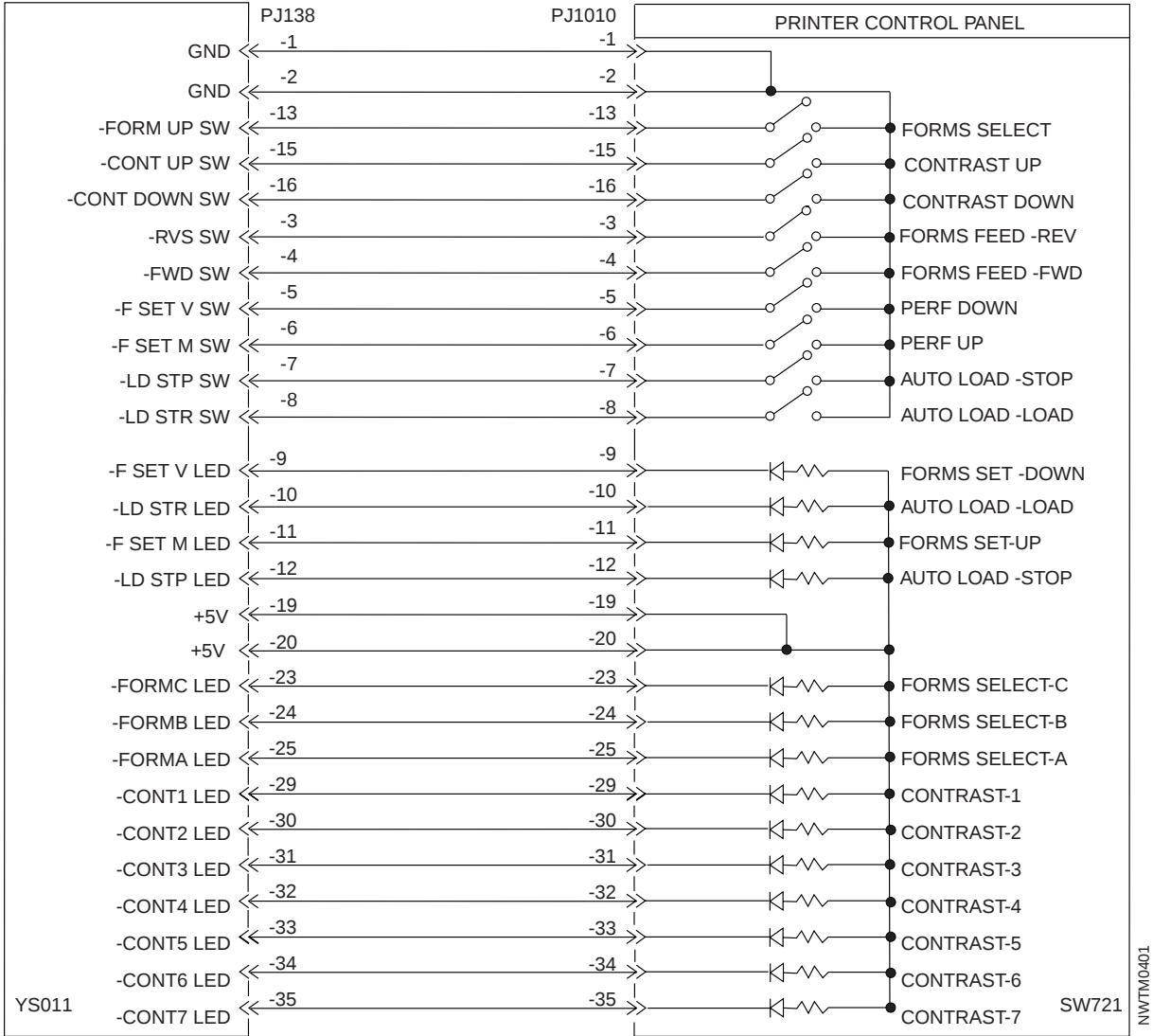
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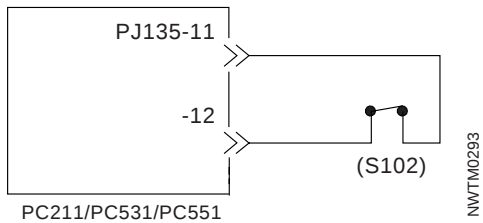
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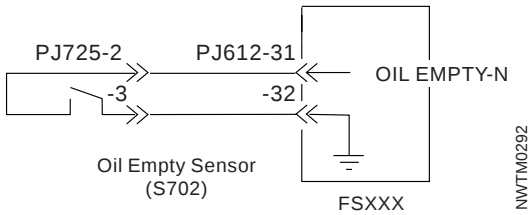
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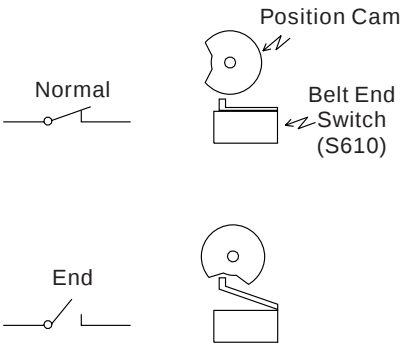
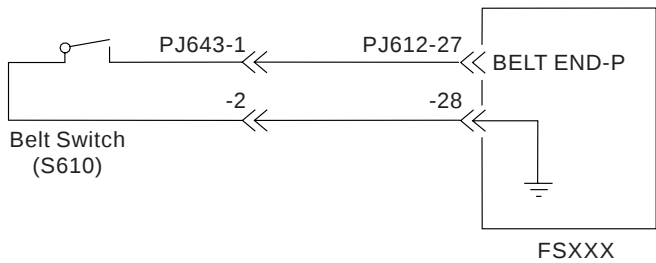
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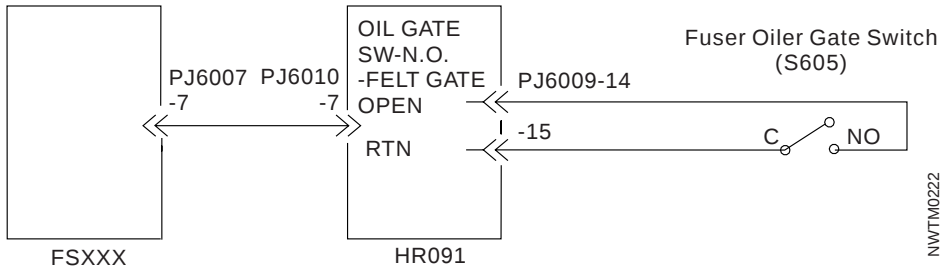
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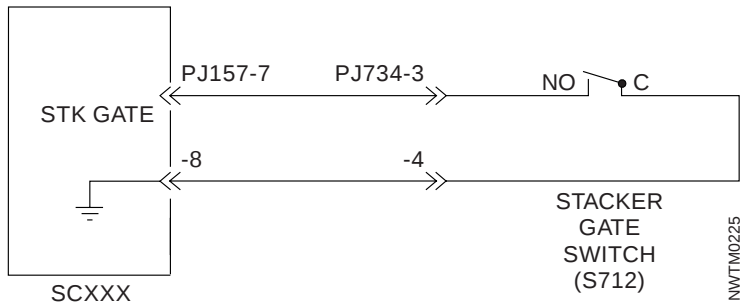
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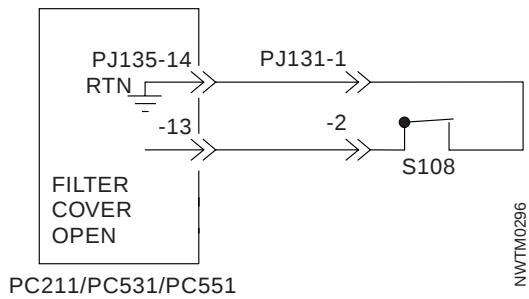
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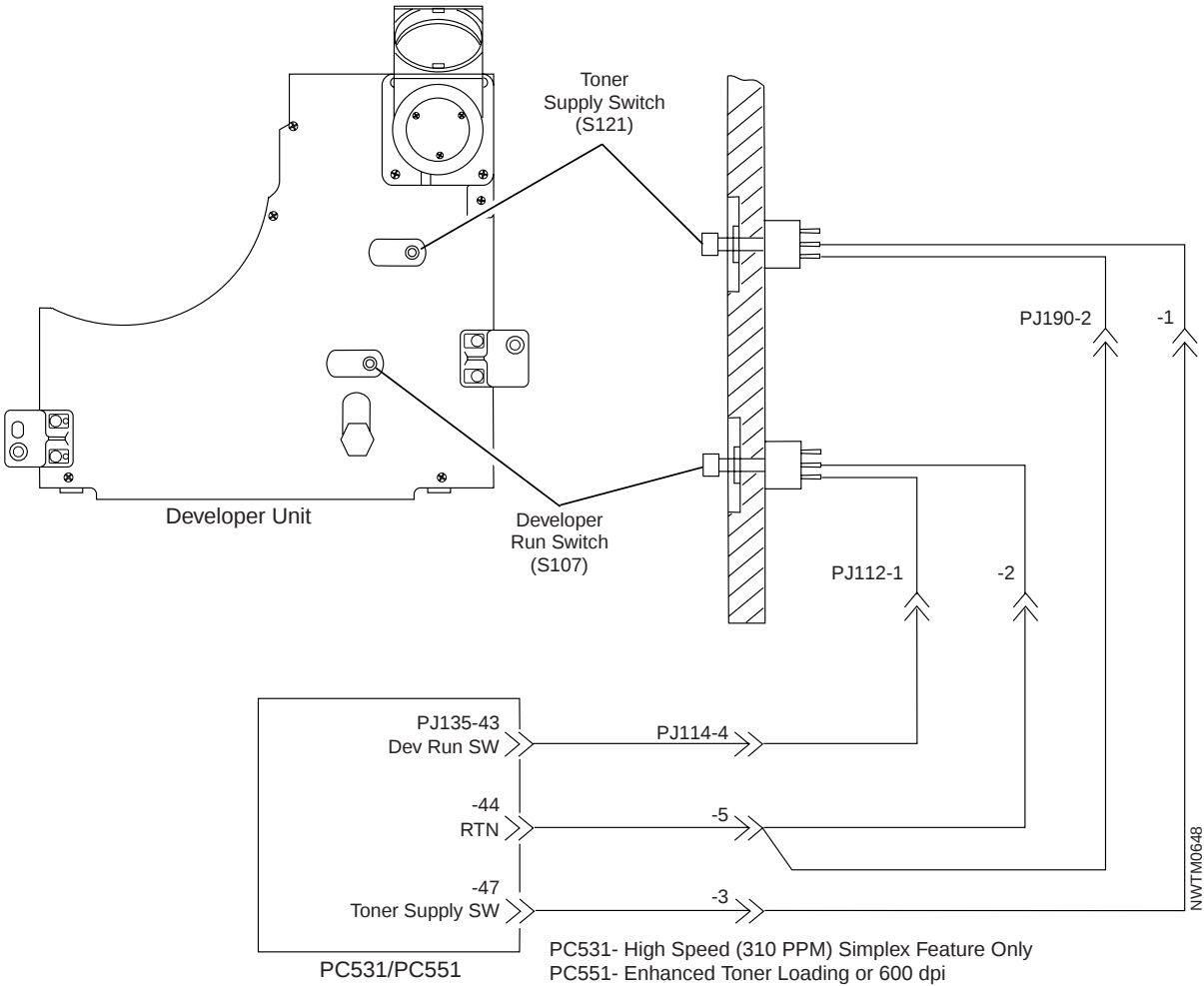
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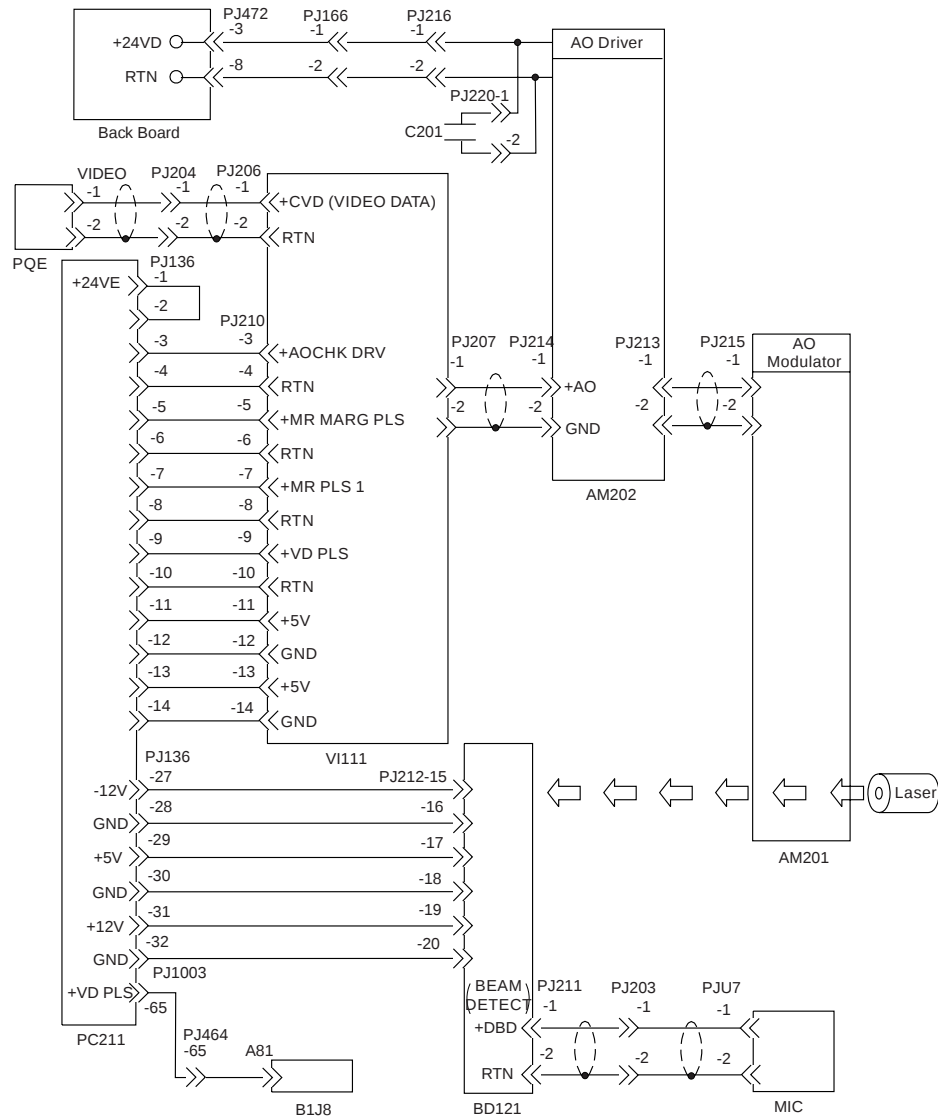
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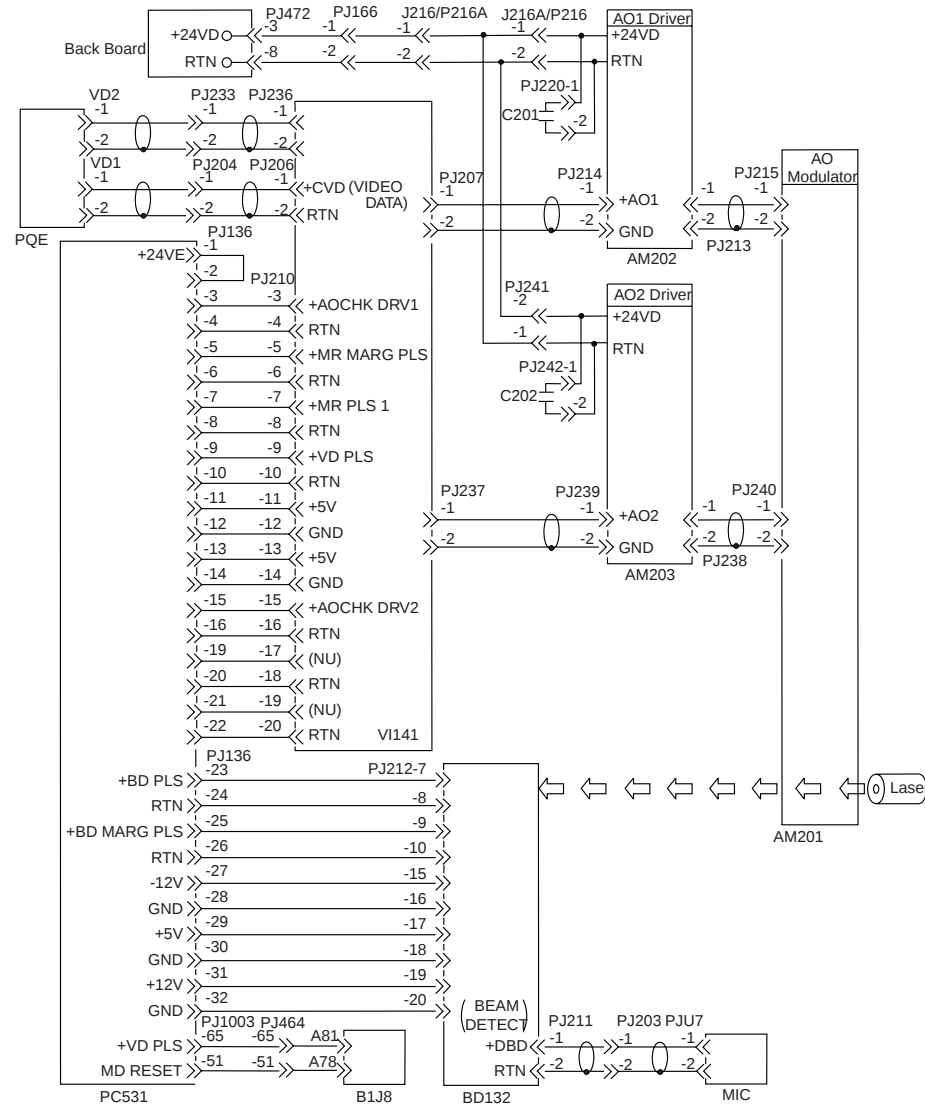


CD123 - Beam Detect (BD121) — (Single Beam)



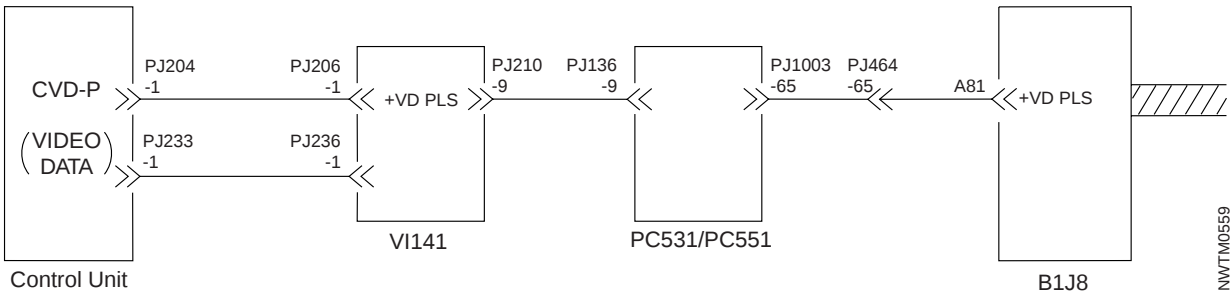
NW7M0288

CD124 - Beam Detect (BD131, BD132, BD141) — (Two, Four, or Five Beam)

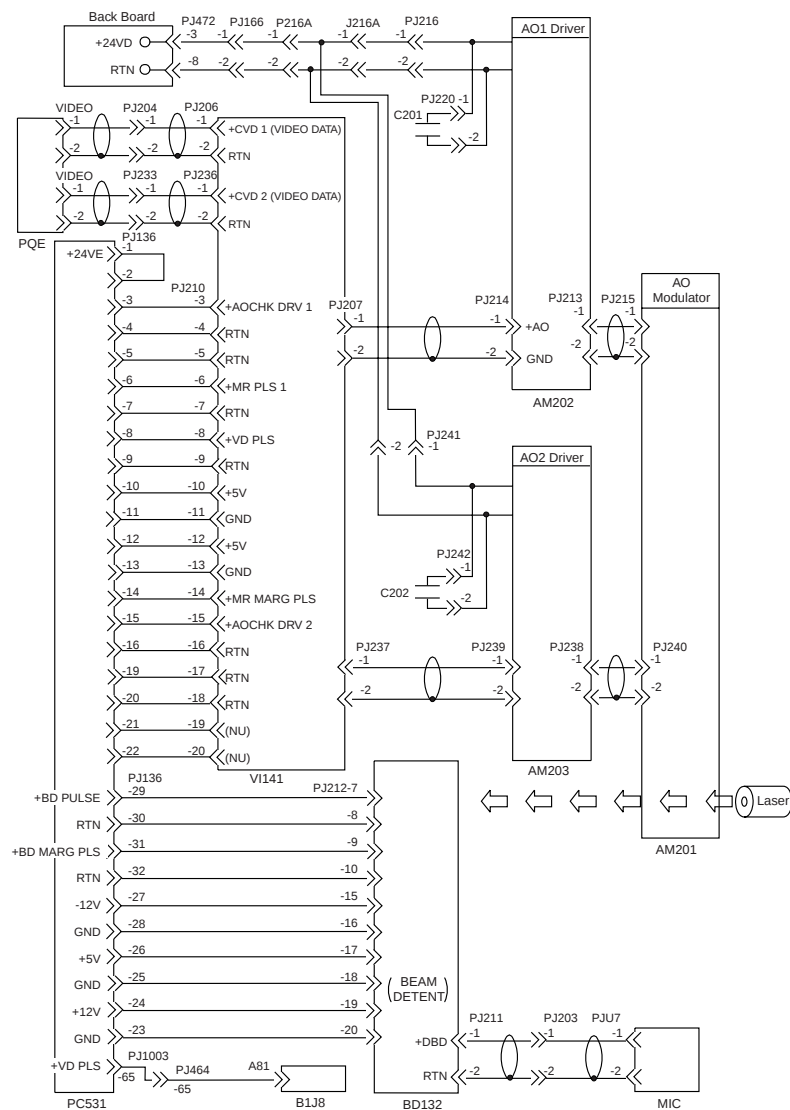


NWTM0590

CD125 - Video Data for All Two Beam Printheads

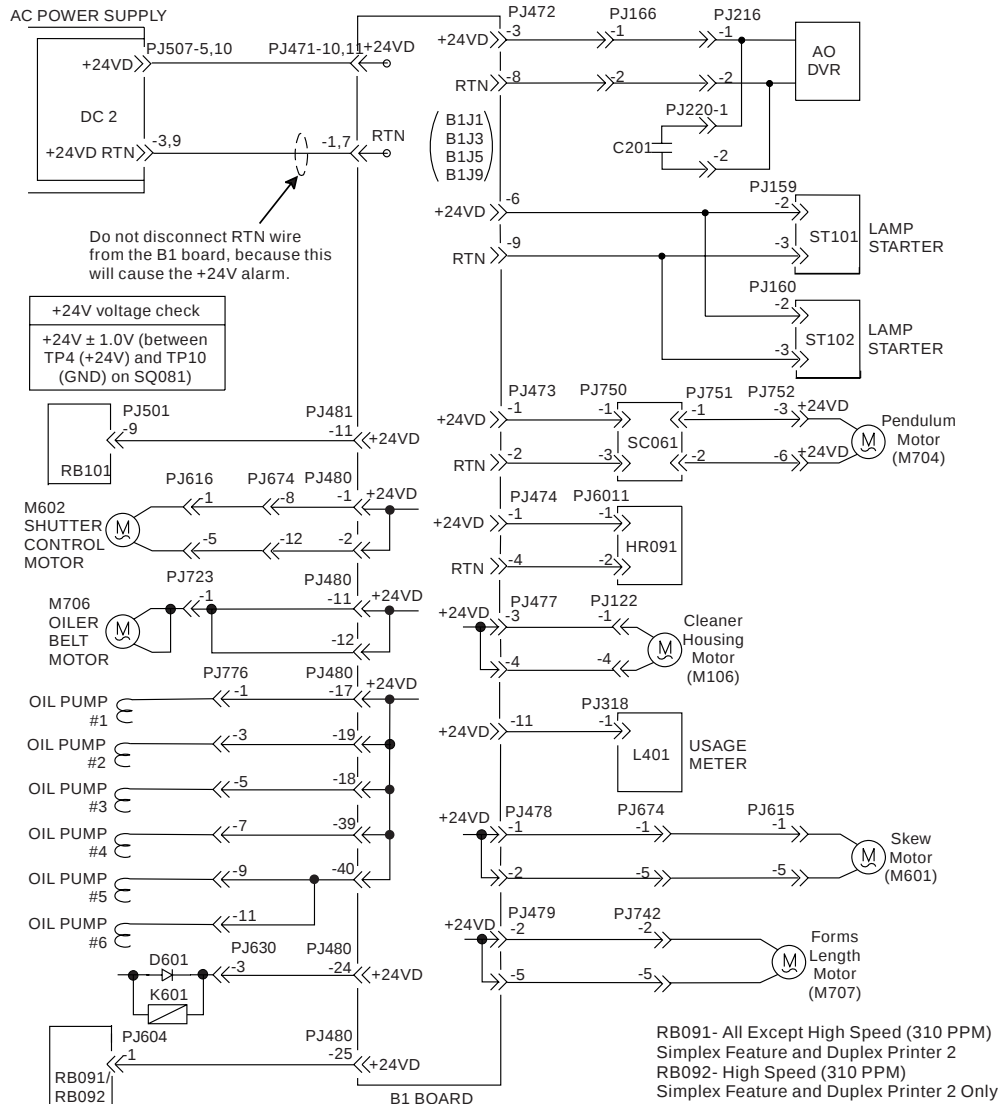


CD126 - Two Beam Printheads



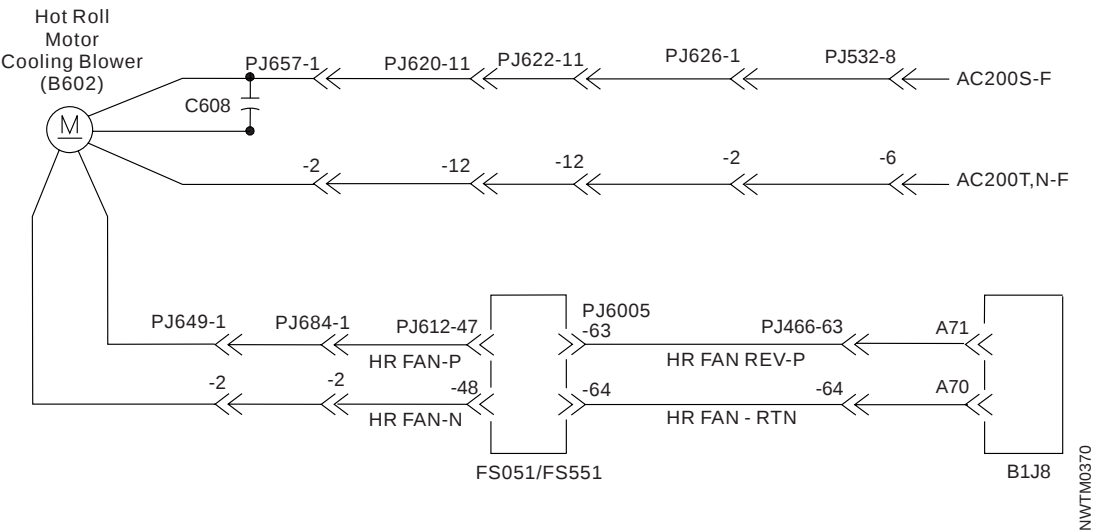
NWTM0560

CD127 - (+24 VD) Voltage Distribution (Six Oil Pump)

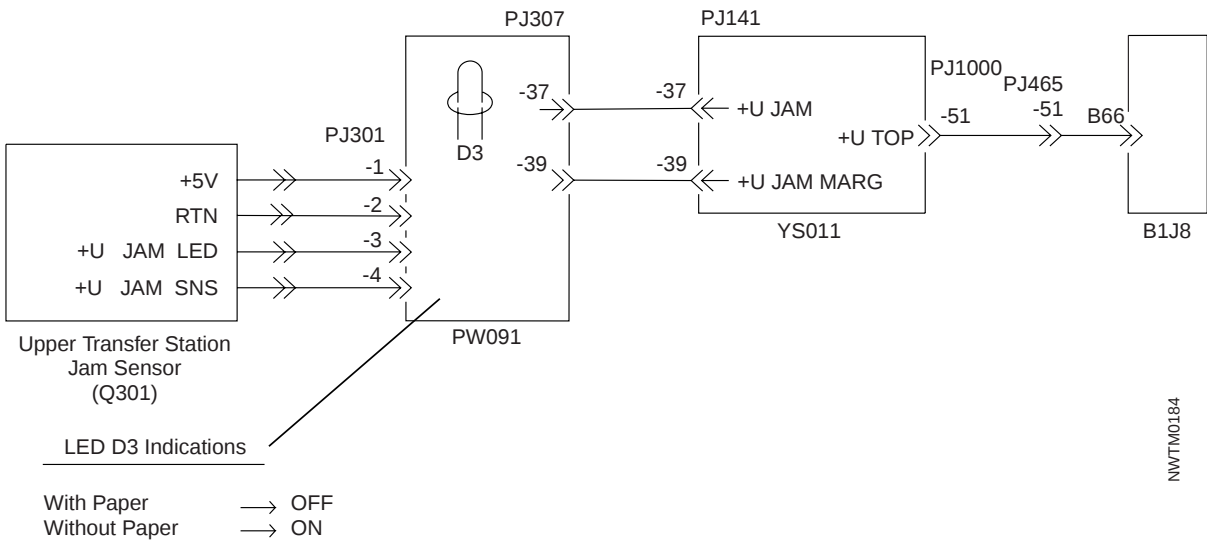


NWMTM1161

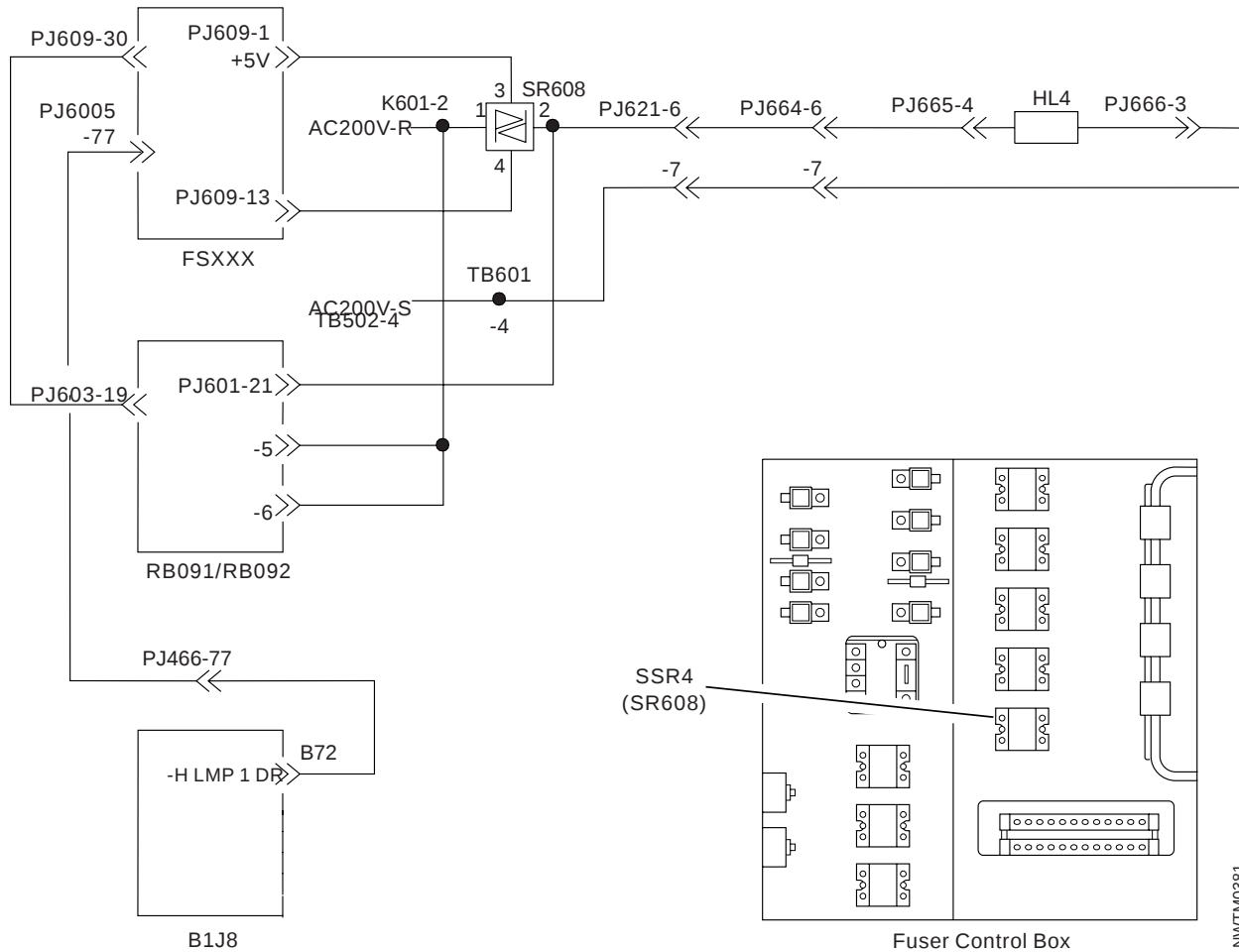
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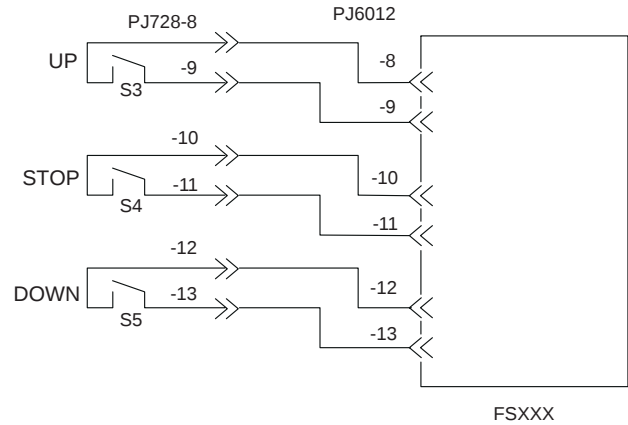
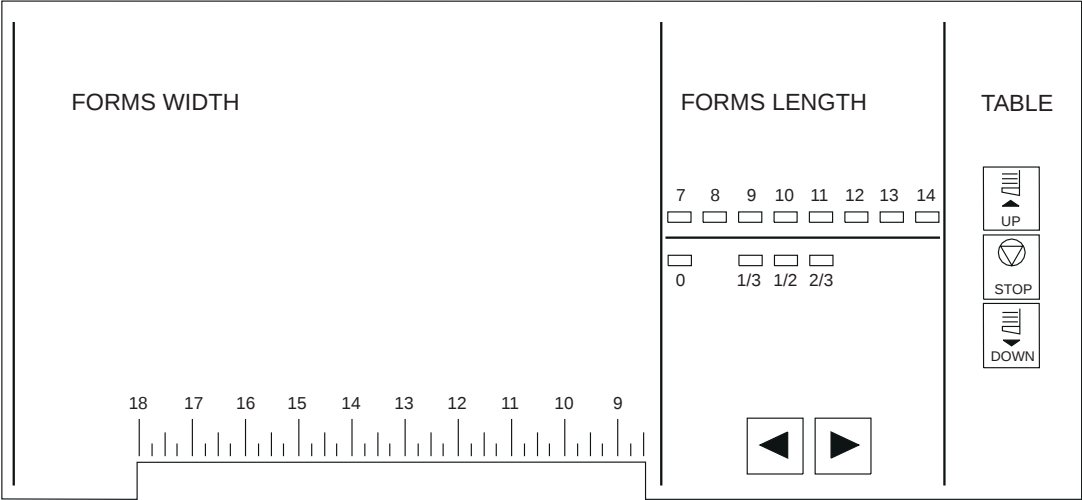
CD129 - Upper Tractor Jam Sensor (Q301)



CD130 - Hot Roll Lamp 4 Relay (3900 DR1/2 & Infoprint 4000 IRx Models)



CD131 - Stacker Control Panel (SW511)



PJ6012 Level: Switch ON ... LOW
 Switch OFF ... HIGH

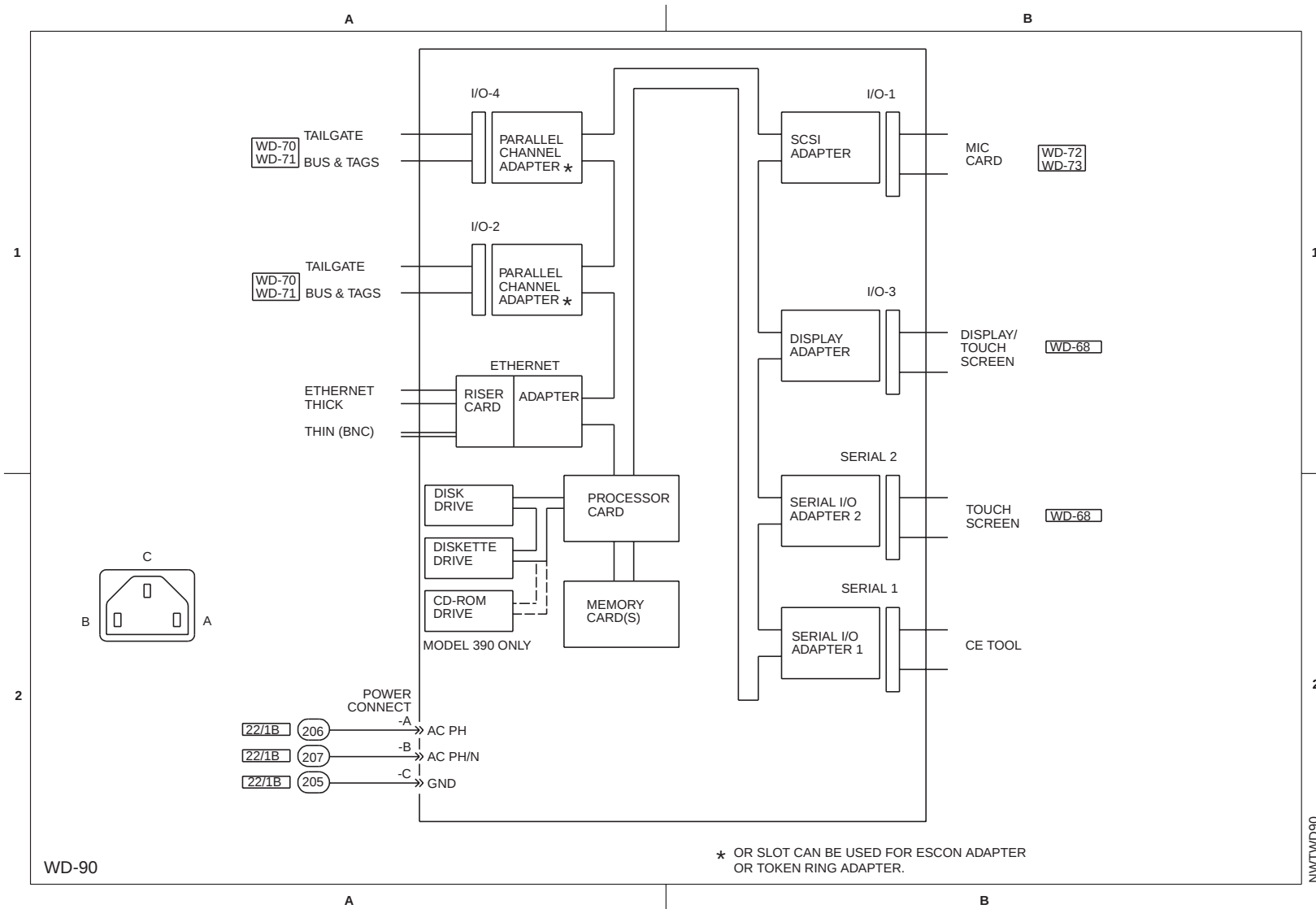
NW7M0431

Chapter 3. Block Diagrams - Logic Flow

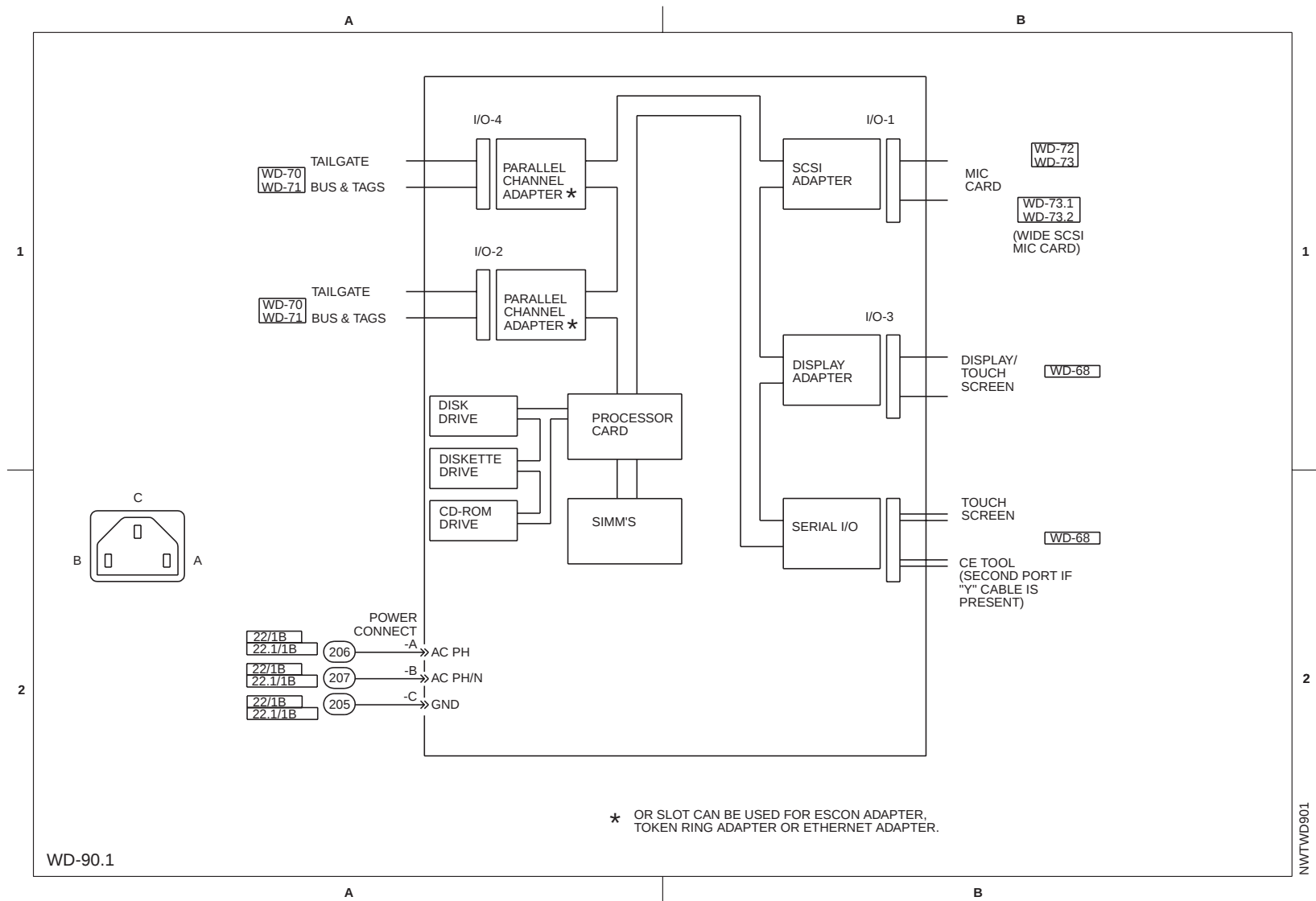
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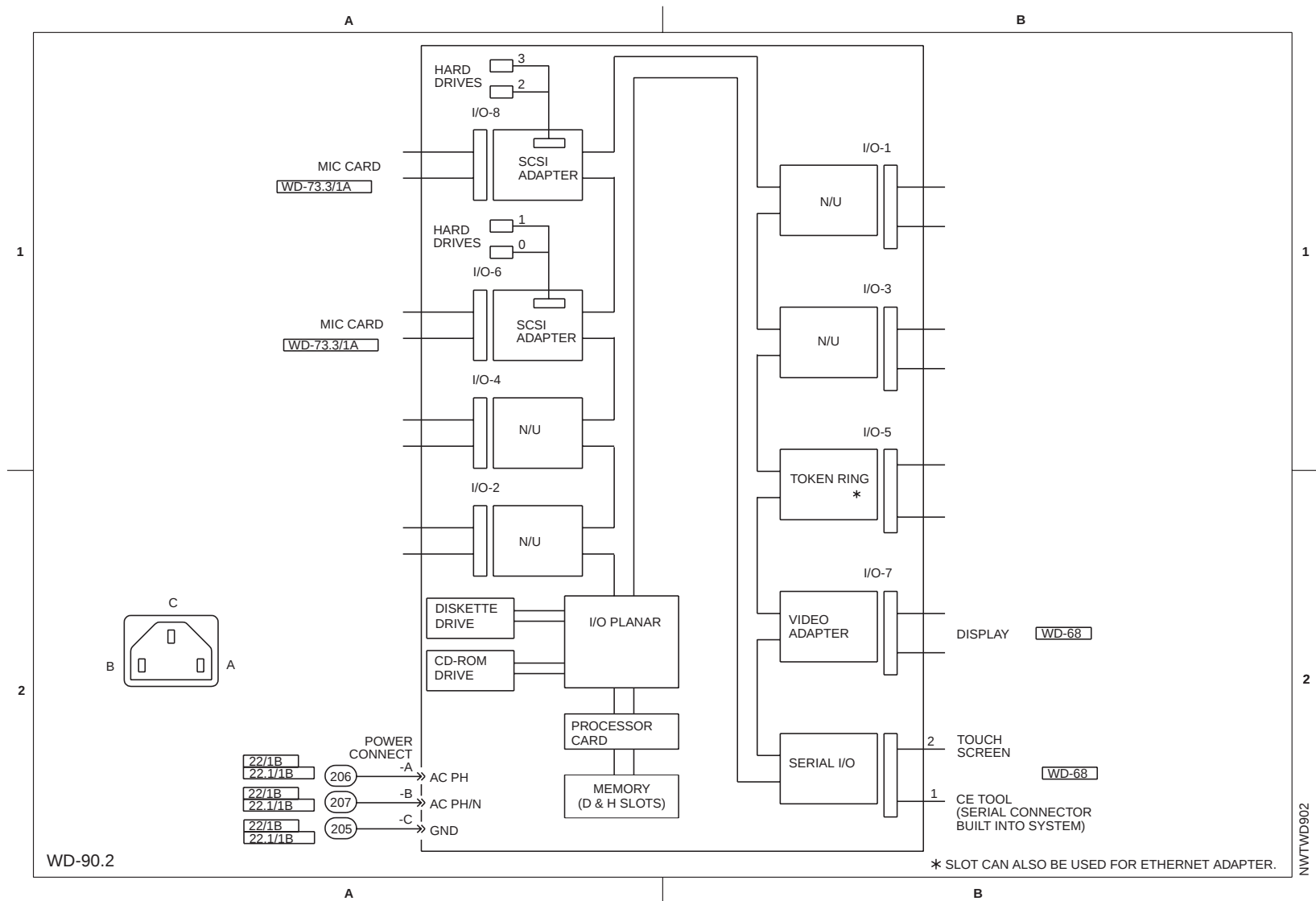
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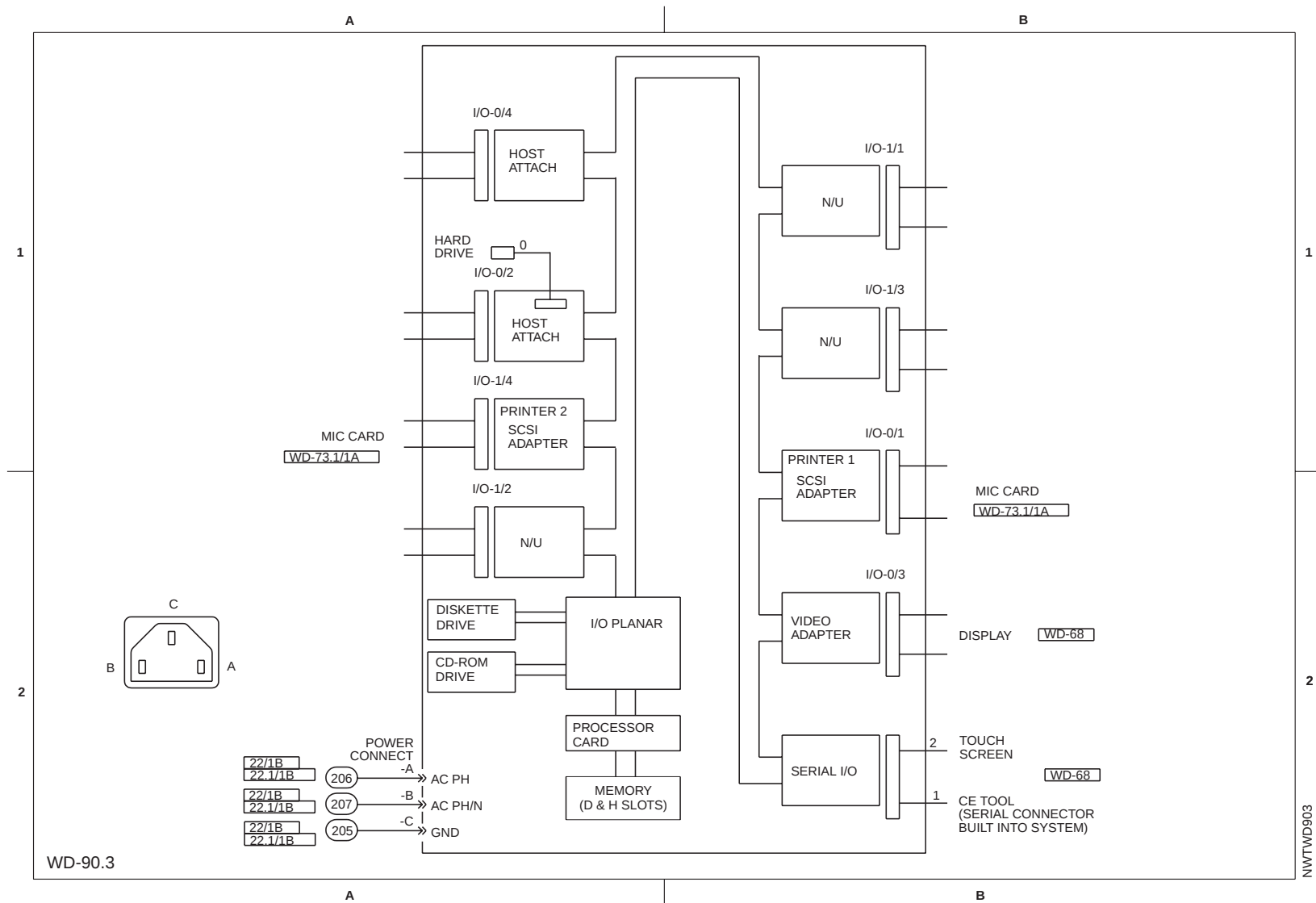
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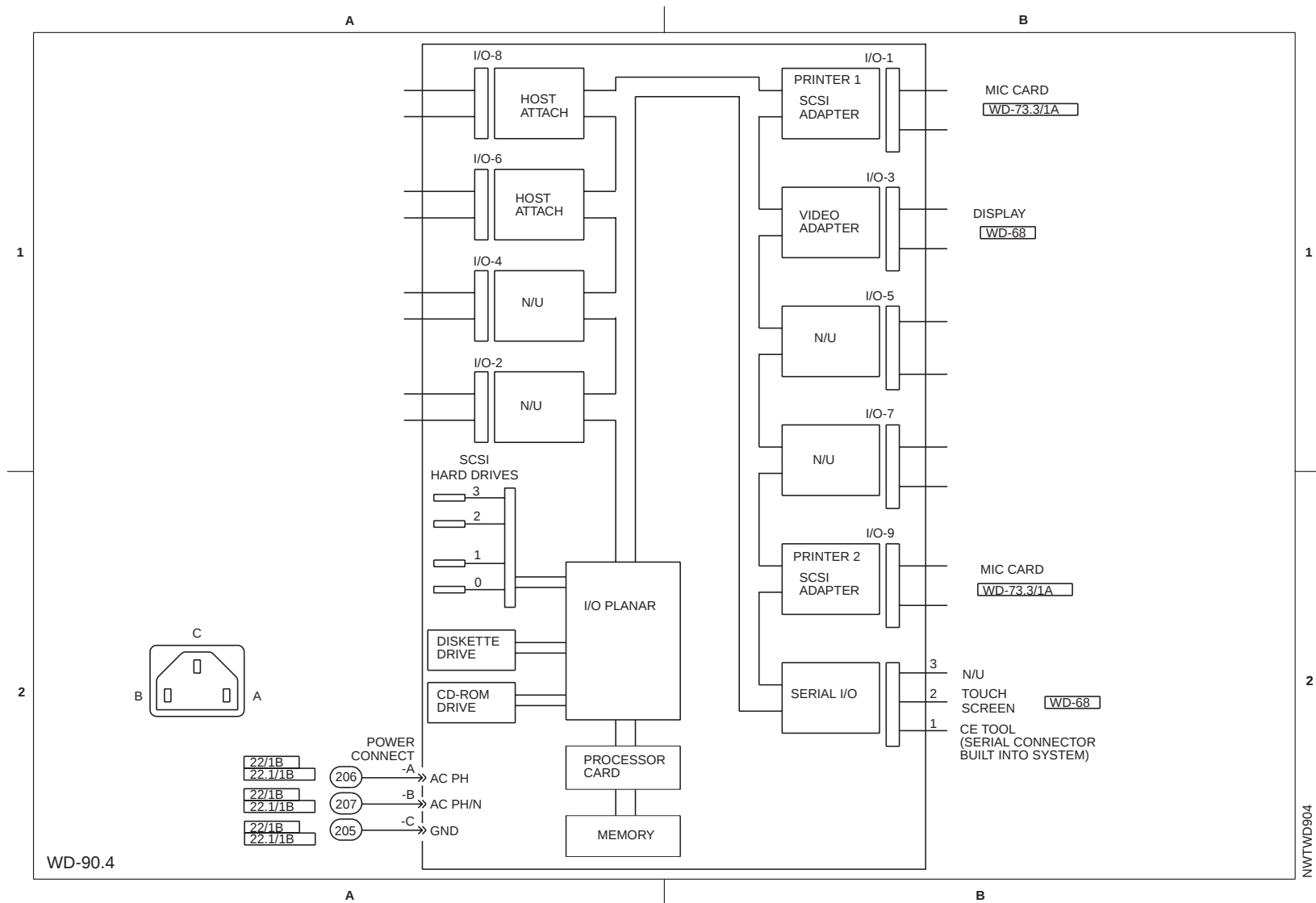
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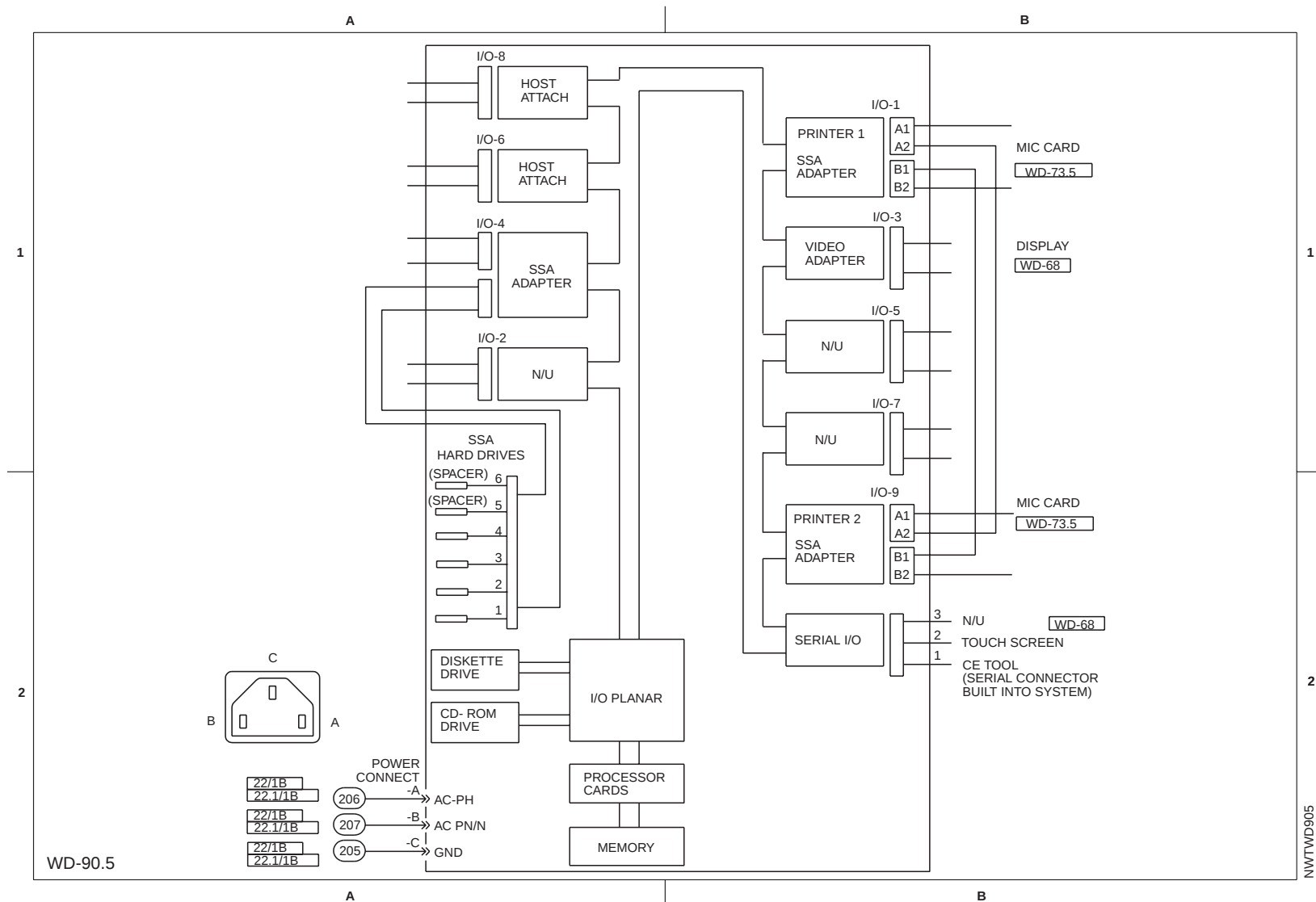
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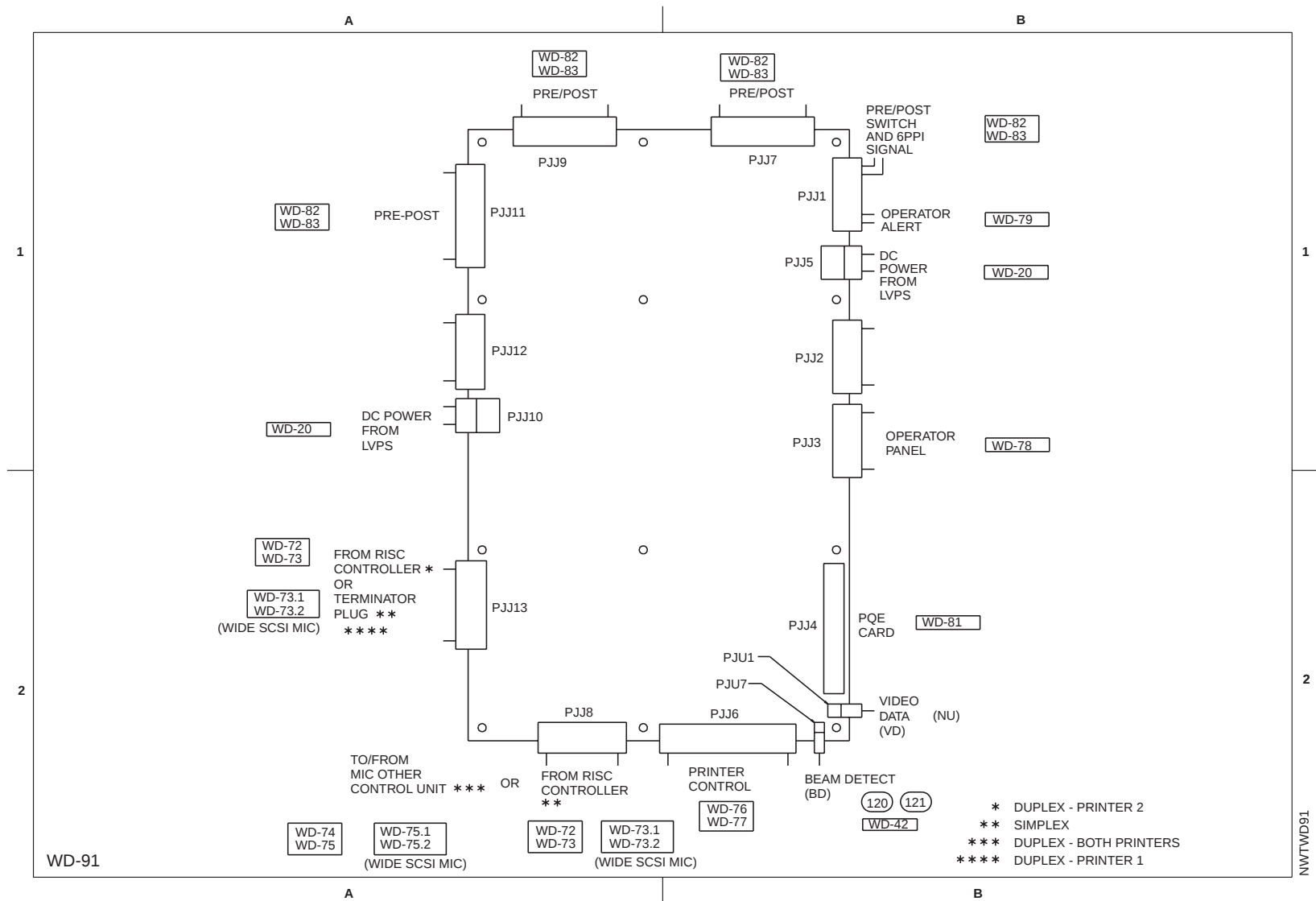
WD90.4 - RS/6000 Controller Type 7025 (IR1/IR2)



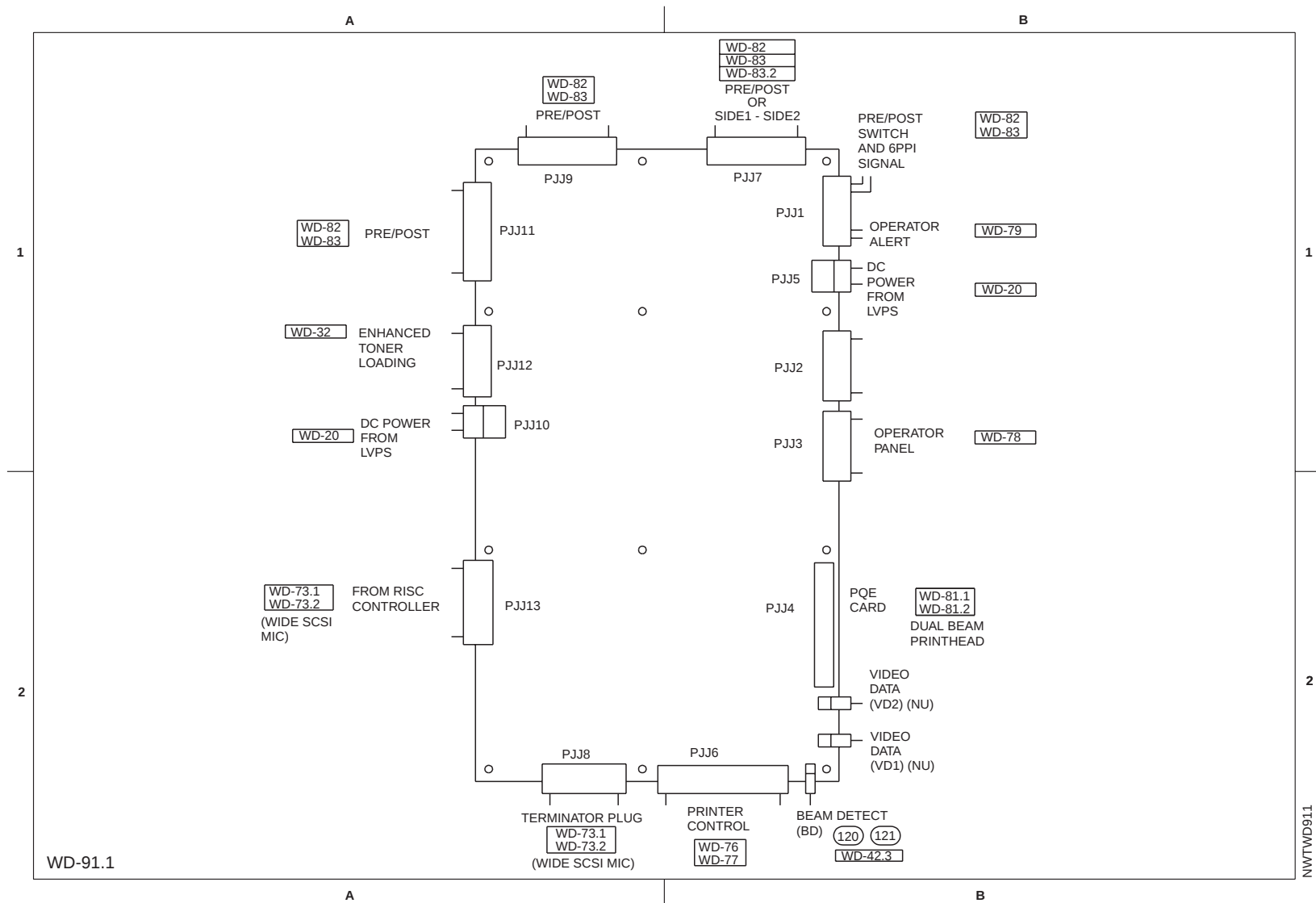
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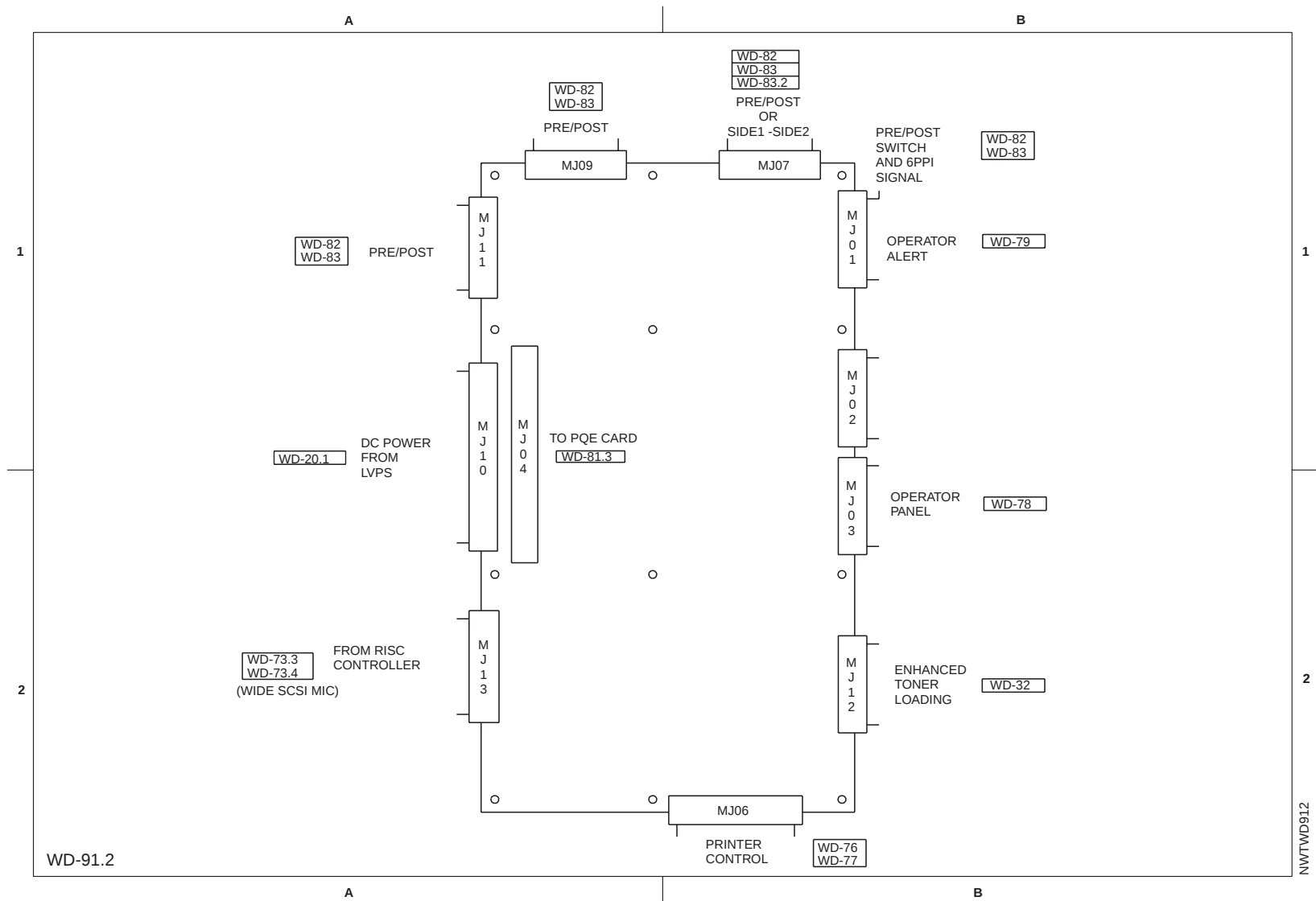
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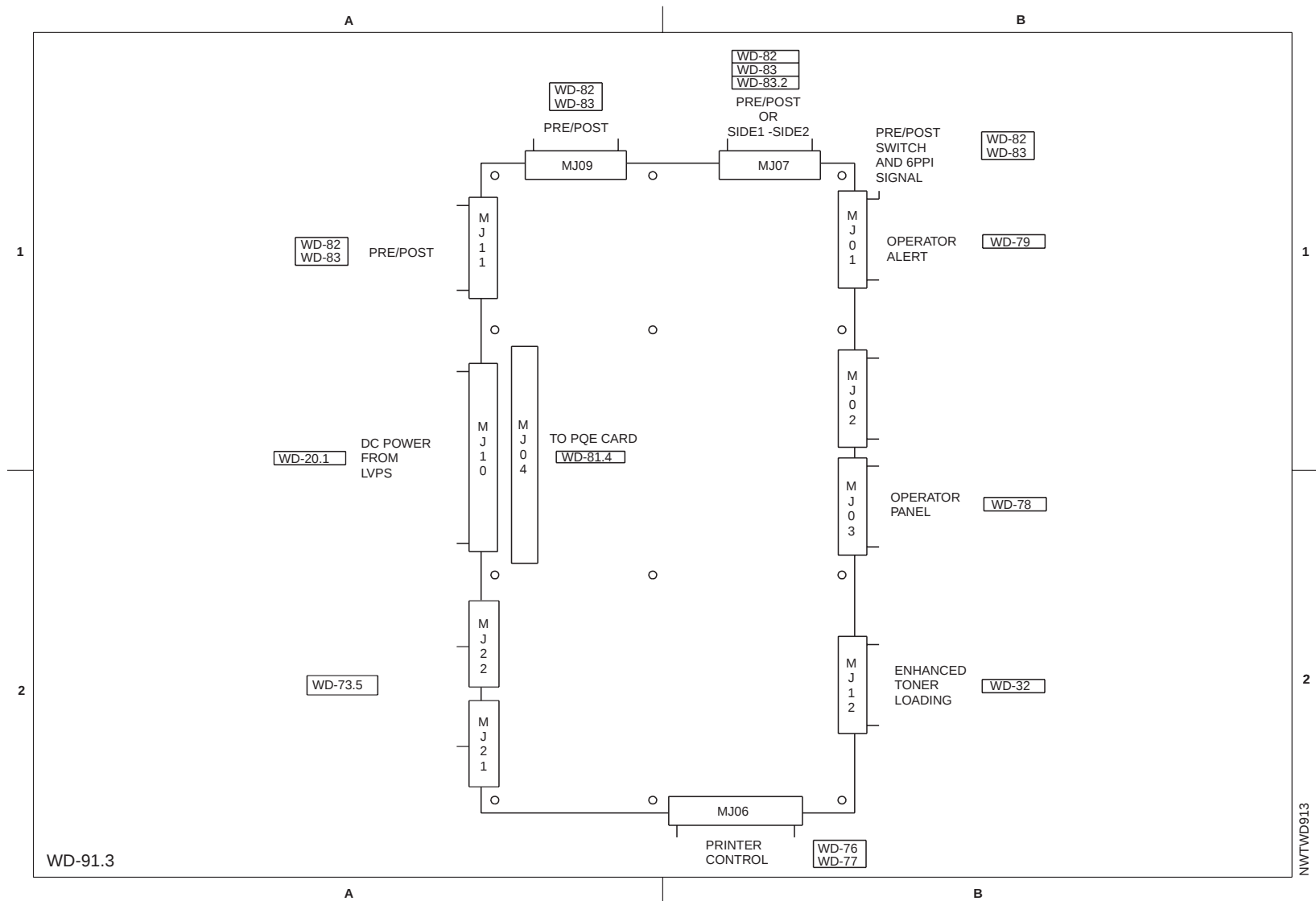
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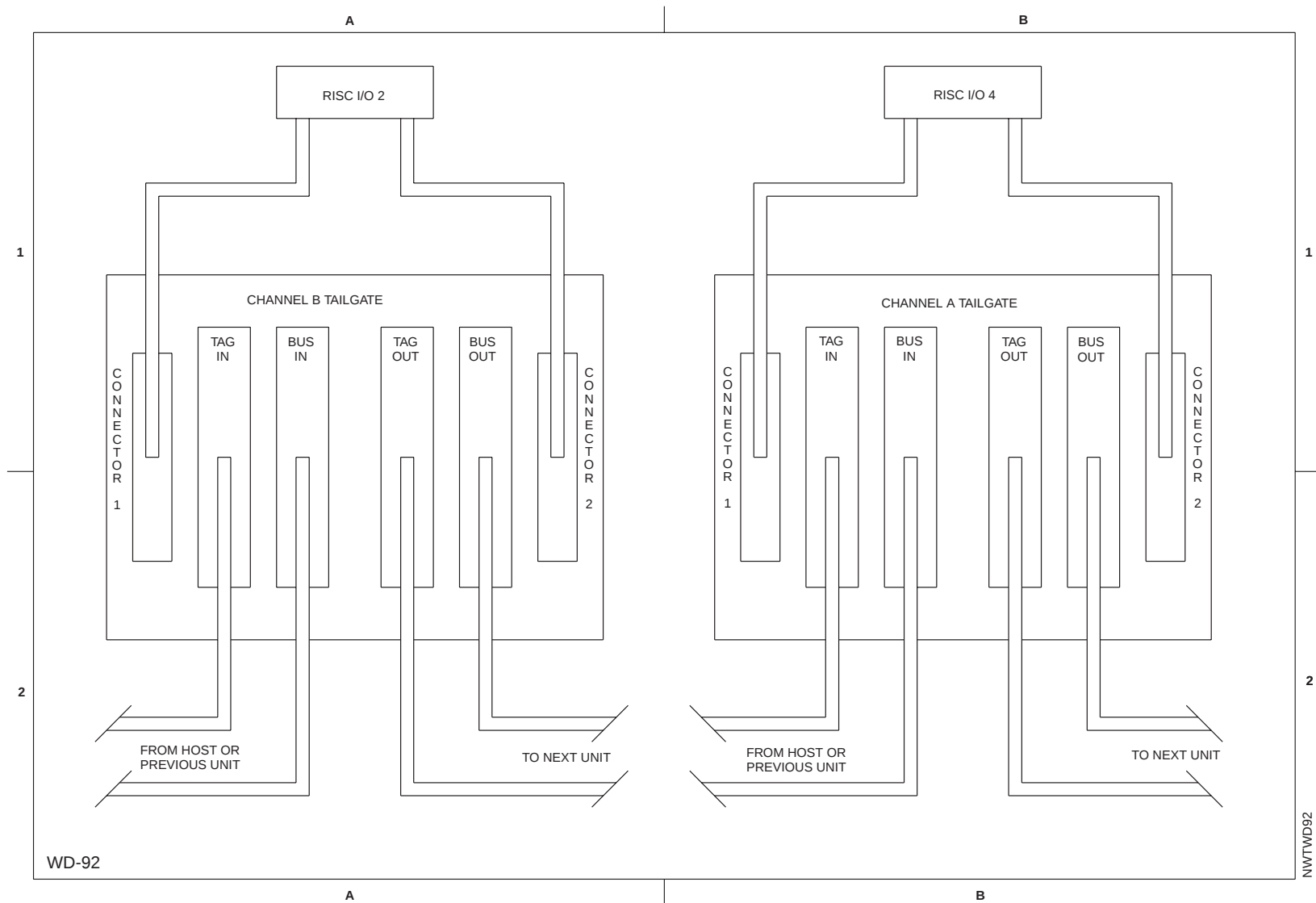
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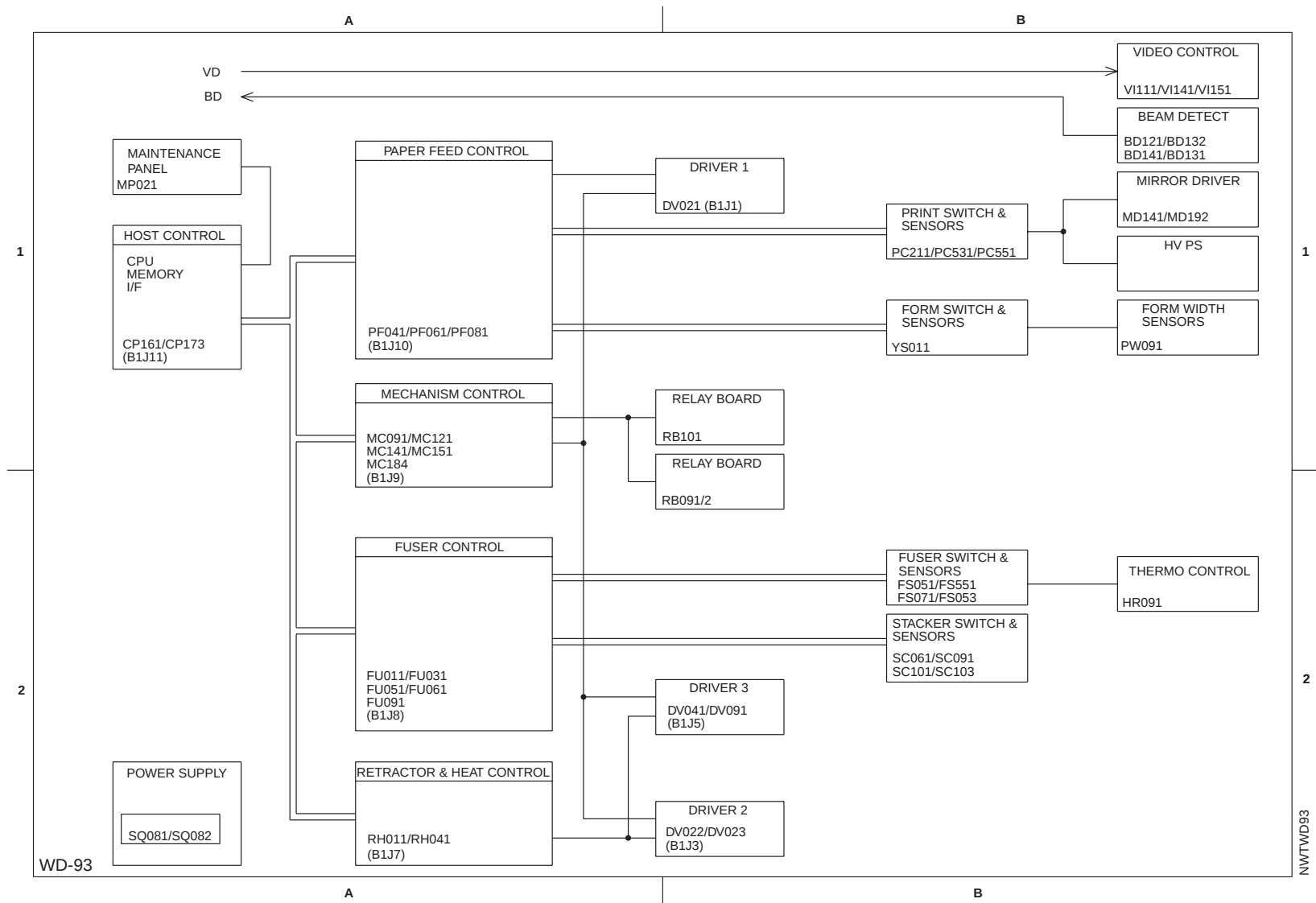
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 PJ464 - WD55/1A 84
 PJ464 - WD57.1/2B 87
 PJ464 - WD57/2B 86
 PJ464 - WD67.1/2A 102
 PJ464 - WD67/2A 101
 PJ465 - WD55/1A 84
 PJ465 - WD63/1B 97
 PJ466 - WD27/1B 47
 PJ466 - WD49/1B 76
 PJ466 - WD55/1B 84
 PJ466 - WD60/1B 93
 PJ466 - WD64/1B/2B 98
 PJ467 - WD52/2A 80
 PJ467 - WD55/2B 84
 PJ468 - WD45/2B 70

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PJ468 - WD47/1B 74
 PJ468 - WD48/1B 75
 PJ468 - WD51/1B 78
 PJ469 - WD38.1/2A 57
 PJ469 - WD38/2A 56
 PJ470 - WD38.1/1A/2A 57
 PJ470 - WD38/1A/2A 56
 PJ471 - WD38.1/1A/2A 57
 PJ471 - WD38/1A/2A 56
 PJ472 - WD39.1/1A 59
 PJ472 - WD39/1A 58
 PJ472 - WD42/1A 63
 PJ472 - WD42.2/1A 64
 PJ472 - WD57/2A 86
 PJ472 - WD61/1A 94
 PJ473 - WD52/1A 80
 PJ473 - WD58/1A 88
 PJ473 - WD59.1/1A 90
 PJ473 - WD59/2A 89
 PJ474 - WD65/1B 99
 PJ475 - WD45/1A 70
 PJ475 - WD47/1A 74
 PJ475 - WD48/2A 75
 PJ476 - WD51/1A 78
 PJ477 - WD39.1/1A/2A 59
 PJ477 - WD39/1A/2A 58
 PJ477 - WD44/1B 69
 PJ479 - WD53/2B 81
 PJ480 - WD28/2A 48
 PJ480 - WD31/1A 51
 PJ480 - WD33/2A 53
 PJ480 - WD35/1A 55
 PJ480 - WD50/1B 77
 PJ480 - WD53/1B 81
 PJ480 - WD54.1/1B/2B 83

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PJ480 - WD54/1B 82
 PJ481 - WD25.1/1A/2A 44
 PJ481 - WD25/2A 43
 PJ481 - WD29/2A 49
 PJ481 - WD30/2A 50
 PJ481 - WD67.1/1A 102
 PJ481 - WD67/1A 101
 PJ481 - WD67.2/1A 103
 PJ483 - WD33/1B 53
 PJ483 - WD65/2A 99
 PJ501 - WD29/2A 49
 PJ501 - WD30/2A 50
 PJ502 - WD29/1A 49
 PJ502 - WD30/1A 50
 PJ503 - WD29/1A/2A 49
 PJ503 - WD30/1B/2B 50
 PJ504 - WD46.1/2A 72
 PJ504 - WD46/2A 71
 PJ504 - WD67.1/1B 102
 PJ504 - WD67/1B 101
 PJ505 - WD24/1B 42
 PJ506 - WD24/1B 42
 PJ507 - WD24/2B 42
 PJ509 - WD25.1/1A 44
 PJ509 - WD25/1A 43
 PJ510 - WD25.1/1A 44
 PJ510 - WD25.1/2A 44
 PJ510 - WD25/1A 43
 PJ510 - WD25/2A 43
 PJ510 - WD67.1/2A 102
 PJ510 - WD67.2/2A 103
 PJ510 - WD67/2A 101
 PJ511 - WD24/1A 42
 PJ511 - WD25/1B 43
 PJ512 - WD25.1/1B 44

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PJ512 - WD25/1B 43
 PJ513 - WD24/1A 42
 PJ513 - WD67.1/1A 102
 PJ513 - WD67/1A 101
 PJ513 - WD67.2/1A 103
 PJ514 - WD24/2A 42
 PJ515 - WD67.1/1A 102
 PJ515 - WD67/1A 101
 PJ515 - WD67.2/1A 103
 PJ516 - WD67.1/2A 102
 PJ516 - WD67.2/2A 103
 PJ516 - WD67/2A 101
 PJ517 - WD67.1/1A 102
 PJ517 - WD67/1A 101
 PJ517 - WD67.2/1A 103
 PJ520 - WD16/2B 27
 PJ520 - WD18/1B 30
 PJ521 - WD16/2B 27
 PJ521 - WD18/2B 30
 PJ522 - WD16/2B 27
 PJ522 - WD18/2B 30
 PJ523 - WD17.1/1B 29
 PJ523 - WD17/1B 28
 PJ523 - WD19.1/1B 32
 PJ523 - WD19/1A 31
 PJ524 - WD17.1/1A 29
 PJ524 - WD17/1A 28
 PJ524 - WD19.1/1A 32
 PJ524 - WD19/1A 31
 PJ525 - WD17.1/1A 29
 PJ525 - WD17/1A 28
 PJ525 - WD19.1/1A 32
 PJ525 - WD19/1A 31
 PJ526 - WD17.1/1A 29
 PJ526 - WD17/1A 28

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PJ526 - WD19.1/1A 32
 PJ526 - WD19/1A 31
 PJ527 - WD17.1/1A 29
 PJ527 - WD17/1A 28
 PJ527 - WD19.1/1A 32
 PJ527 - WD19/1A 31
 PJ528 - WD17.1/1A 29
 PJ528 - WD17/1A 28
 PJ528 - WD19.1/2A 32
 PJ528 - WD19/2A 31
 PJ529 - WD17.1/2A 29
 PJ529 - WD17/2A 28
 PJ529 - WD19.1/2A 32
 PJ529 - WD19/2A 31
 PJ530 - WD17.1/2A 29
 PJ530 - WD17/2A 28
 PJ530 - WD19.1/2A 32
 PJ530 - WD19/2A 31
 PJ531 - WD16/1B 27
 PJ531 - WD18/1B 30
 PJ532 - WD16/2B 27
 PJ532 - WD18/2B 30
 PJ532 - WD26.1/1A 46
 PJ532 - WD26/1A 45
 PJ532 - WD27/1A 47
 PJ532 - WD28/1A 48
 PJ532 - WD29/1A 49
 PJ532 - WD31/2A 51
 PJ532 - WD33/1A 53
 PJ533 - WD30/1A 50
 PJ534 - WD41.1/1A 62
 PJ534 - WD41/1A 61
 PJ548 - WD25/1A 43
 PJ551 - WD24/2A 42
 PJ552 - WD24/1A 42

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PJ553 - WD24/1A 42
 PJ554 - WD24/1A 42
 PJ555 - WD24/1A 42
 PJ559 - WD19.1/2A 32
 PJ559 - WD19/2A 31
 PJ559 -WD17.1/2A 29
 PJ559 -WD17/2A 28
 PJ561 - WD24/1B 42
 PJ562 - WD24/1B 42
 PJ571 - WD24/1B 42
 PJ571 - WD25.1/1B 44
 PJ572 - WD24/2A 42
 PJ573 - WD24/2A 42
 PJ574 - WD24/1A 42
 PJ575 - WD24/1A 42
 PJ584 - WD24/1B 42
 PJ584 - WD67.1/1A 102
 PJ584 - WD67/1B 101
 PJ584 - WD67.2/1A 103
 PJ585 - WD24/1B 42
 PJ591 - WD24/1A 42
 PJ591 - WD67.1/1A 102
 PJ591 - WD67/1A 101
 PJ591 - WD67.2/1A 103
 PJ593 - WD24/1A 42
 PJ594 - WD24/2A 42
 PJ595 - WD41.1/1B 62
 PJ595 - WD41/1A 61
 PJ596 - WD41.1/1B 62
 PJ596 - WD41/1B 61
 PJ597 - WD41.1/1B 62
 PJ597 - WD41/1A 61
 PJ598 - WD41.1/1B 62
 PJ598 - WD41/2B 61
 PJ599 - WD41.1/1B 62

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PJ599 - WD41/1B 61
 PJ6 - WD87/1A 134
 PJ6000 -WD31/2A 51
 PJ6001 - WD31/2B 51
 PJ6002 - WD31/2B 51
 PJ6003 - WD60/2A 93
 PJ6004 - WD78/1A 121
 PJ6005 - WD27/1B 47
 PJ6005 - WD31/2B 51
 PJ6005 - WD33/2B 53
 PJ6005 - WD34/2A 54
 PJ6005 - WD49/1B 76
 PJ6005 - WD55/1B 84
 PJ6005 - WD58/1A 88
 PJ6005 - WD59.1/1A 91
 PJ6005 - WD60/1B 93
 PJ6005 - WD64/2A 98
 PJ6005 - WD65/1A/2A 99
 PJ6005 - WD66/1A 100
 PJ6006 - WD58/1A 88
 PJ6006 - WD59.3/2B 92
 PJ6007 - WD33/1B 53
 PJ6007 - WD49/1A 76
 PJ6007 - WD58/1A 88
 PJ6007 - WD60/1B 93
 PJ6007 - WD65/1A 99
 PJ6007 - WD65/2A 99
 PJ6008 - WD33/1B 53
 PJ6008 - WD65/2A 99
 PJ6009 - WD33/1B 53
 PJ6009 - WD49/1A 76
 PJ6009 - WD58/1B 88
 PJ6009 - WD60/1A/2A 93
 PJ6009 - WD65/1B/2B 99
 PJ601 - WD28/1A 48

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PJ601 - WD31/2A 51
 PJ601 - WD33/1A 53
 PJ601 - WD34/1B 54
 PJ6010 - WD33/1B 53
 PJ6010 - WD49/1A 76
 PJ6010 - WD58/1A 88
 PJ6010 - WD60/1B 93
 PJ6010 - WD65/1B/2A 99
 PJ6011 - WD65/1B 99
 PJ6012 - WD59.2/1A 91
 PJ6013 - WD59.3/1B 92
 PJ6014 - WD59.1/2B 90
 PJ6015 - WD59.1/2B 90
 PJ6016 - WD59.1/2B 90
 PJ6017 - WD59.1/2B 90
 PJ6018 - WD51.1/1B 79
 PJ6019 - WD51.1/1B 79
 PJ602 - WD28/1A 48
 PJ602 - WD31/1A/2A 51
 PJ602 - WD33/1A/2A 53
 PJ603 - WD34/1B 54
 PJ604 - WD33/2A 53
 PJ604 -WD31/1A 51
 PJ605 - WD59.3/1B 92
 PJ606 - WD60/1A 93
 PJ609 - WD34/1A/2A 54
 PJ612 - WD27/1B 47
 PJ612 - WD31/1B/2B 51
 PJ612 - WD33/2B 53
 PJ612 - WD64/2A 98
 PJ612 - WD65/1A/2A 99
 PJ612 - WD66/1A 100
 PJ616 - WD50/1B 77
 PJ617 - WD64/2A 98
 PJ618 - WD64/2A 98

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PJ619 - WD35/1B/2B 55
 PJ620 - WD27/1A 47
 PJ620 - WD28/1A 48
 PJ620 - WD31/1B 51
 PJ620 - WD33/1A 53
 PJ621 - WD34/2B 54
 PJ622 - WD27/1A 47
 PJ622 - WD28/1A 48
 PJ622 - WD31/1A 51
 PJ622 - WD33/1A 53
 PJ623 - WD27/2A 47
 PJ623 - WD33/1A/2A 53
 PJ626 - WD27/1A 47
 PJ626 - WD28/1A 48
 PJ626 - WD31/2A 51
 PJ626 - WD33/1A 53
 PJ627 - WD65/1A 99
 PJ628 - WD65/1A 99
 PJ629 - WD31/1B 51
 PJ629 - WD33/2B 53
 PJ630 - WD35/1A 55
 PJ632 - WD51/1A 78
 PJ633 - WD29/2B 49
 PJ636 - WD58/1B 88
 PJ637 - WD58/2B 88
 PJ638 - WD49/1A 76
 PJ640 - WD58/1B/2B 88
 PJ645 - WD65/2B 99
 PJ646 - WD31/1B 51
 PJ647 - WD33/1B 53
 PJ649 - WD27/1B 47
 PJ652 - WD31/1B 51
 PJ653 - WD33/1A 53
 PJ654 - WD31/1B 51
 PJ657 - WD27/1A 47

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PJ661 - WD35/1B 55
 PJ662 - WD35/2B 55
 PJ664 - WD34/2B 54
 PJ665 - WD34/2B 54
 PJ666 - WD34/2B 54
 PJ667 - WD65/1A 99
 PJ667 - WD66/1B 100
 PJ668 - WD65/2A 99
 PJ668 - WD66/2B 100
 PJ672 - WD29/2B 49
 PJ674 - WD50/1B 77
 PJ676 - WD27/2B 47
 PJ677 - WD51/1A 78
 PJ682 - WD65/1B 99
 PJ684 - WD27/1B 47
 PJ684 - WD31/1B 51
 PJ685 - WD664/2A 98
 PJ686 - WD64/2A 98
 PJ687 - WD28/1B 48
 PJ688 - WD28/1B 48
 PJ689 - WD28/1B 48
 PJ690 - WD28/2B 48
 PJ699 - WD31/2A 51
 PJ702 - WD59.1/1B 90
 PJ702 - WD59/2B 89
 PJ703 - WD59.1/1B 90
 PJ703 - WD59/1B 89
 PJ705 - WD59.1/1B 90
 PJ705 - WD59/1B 89
 PJ711 - WD59.1/1B 90
 PJ711 - WD59/1B 89
 PJ715 - WD33/1A 53
 PJ717 - WD33/2A 53
 PJ718 - WD33/1A/2A 53
 PJ723 - WD53/1B 81

connectors *(continued)*

PJ725 - WD64/2A 98
 PJ727 - WD59.3/1A 92
 PJ728 - WD59.1/1B 91
 PJ730 - WD59.1/2B 90
 PJ730 - WD59/2B 89
 PJ731 - WD59.1/2B 90
 PJ731 - WD59/2B 89
 PJ732 - WD59.1/2B 90
 PJ732 - WD59/2B 89
 PJ733 - WD59.1/2B 90
 PJ733 - WD59/2B 89
 PJ734 - WD59.1/1B 90
 PJ737 - WD59.1/1B 90
 PJ737 - WD59/1B 89
 PJ742 - WD53/2B 81
 PJ745 - WD54/1B 82
 PJ746 - WD27/1A 47
 PJ747 - WD27/1B 47
 PJ749 - WD52/2A 80
 PJ749 - WD55/2B 84
 PJ749 - WD59.1/1A 90
 PJ749 - WD59/1A 89
 PJ749 - WD59.3/2A 92
 PJ750 - WD52/1A 80
 PJ750 - WD59.1/1A 90
 PJ750 - WD59/2A 89
 PJ751 - WD52/1B 80
 PJ752 - WD52/1B 80
 PJ754 - WD33/2B 53
 PJ755 - WD52/1A 80
 PJ756 - WD52/1A 80
 PJ760 - WD51.1/1A 79
 PJ776 - WD54.1/1B/2B 83
 PJ777 - WD51.1/1A 79
 PJ778 - WD51.1/2A 79

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PJ803 - 33/2A 53
 PJ804 -WD33/ 2B 53
 PJ823 - WD52/2B 80
 PJ830 - WD59.3/2A 92
 PJA01 - WD22.1/1A 39
 PJA01 - WD22/1A 38
 PJA05 - WD22.1/1B 39
 PJA05 - WD22/1B 38
 PJA06 - WD22.1/1B 39
 PJA06 - WD22/1B 38
 PJA07 - WD22.1/2B 39
 PJA07 - WD22/2B 38
 PJA08 - WD22.1/1B 39
 PJA08 - WD22/1B 38
 PJA09 - WD22.1/2B 39
 PJA09 - WD22/2B 38
 PJA10 - WD22.1/1A 39
 PJA10 - WD22/1A 38
 PJA11 - WD22.1/1A 39
 PJA11 - WD22/1A 38
 PJB01 - WD21.1/1B 37
 PJB01 - WD21/1B 36
 PJB02 - WD21.1/1A 37
 PJB02 - WD21/1A 36
 PJC01 - WD23.1/1A/1B 41
 PJC01 - WD23/1B 40
 PJC02 - WD23.1/1A/1B 41
 PJC02 - WD23/1B 40
 PJC03 - WD23.1/2A/2B 41
 PJC03 - WD23/2B 40
 PJC3 - WD22.1/2A 39
 PJC3 - WD22/2A 38
 PJE01 - WD78/1B 121
 PJE02 - WD78/1B 121
 PJE03 - WD78/1B 121

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PJF01 - WD82/1B 128
 PJF01 - WD83/1B 129
 PJF02 - WD82/1B 128
 PJF02 - WD83/1B 129
 PJF03 - WD82/1B 128
 PJF03 - WD83/1B 129
 PJF04 - WD82/1B 128
 PJF04 - WD83/1B 129
 PJF04 - WD84/1A 131
 PJF04 - WD85/1A 132
 PJF05 - WD82/1B 128
 PJF05 - WD83/1B 129
 PJF05 - WD84/1A 131
 PJF05 - WD85/1A 132
 PJF06 - WD82/1B 128
 PJF06 - WD83/1B 129
 PJF06 - WD84/1A 131
 PJF06 - WD85/1A 132
 PJG02 - WD20/2B 33
 PJH01 - WD20.1/1A 34
 PJH01 - WD20/1A 33
 PJH01 - WD20.2/1A 35
 PJH02 - WD20.1/1A/2A 34
 PJH02 - WD20/1A/2A 33
 PJH02 - WD20.2/1A/2A 35
 PJH03 - WD20.1/1A/2A 34
 PJH03 - WD20/1A/2A 33
 PJH03 - WD20.2/1A/2A 35
 PJJ05 - WD20.1/2B 34
 PJJ05 - WD20.2/1B 35
 PJJ1 - WD79/1A 122
 PJJ1 - WD82/1A 128
 PJJ1 - WD83/1A 129
 PJJ1 - WD83.2/1A 130
 PJJ10 - WD20.1/2B 34

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PJJ10 - WD20/1A 33
 PJJ10 - WD20.2/1B 35
 PJJ11 - WD82/1A 128
 PJJ11 - WD83/1A 129
 PJJ12 - WD32/1A 52
 PJJ13 - WD72/1B 108
 PJJ13 - WD73.1/1B 110
 PJJ13 - WD73/1B 109
 PJJ13 - WD73.2/1B 111
 PJJ3 - WD78/1A 121
 PJJ4 - WD81.1/1B 124
 PJJ4 - WD81/1B 123
 PJJ4 - WD81.2/1B 125
 PJJ5 - WD20/1A 33
 PJJ6 - WD76/1B 119
 PJJ6 - WD77/1B 120
 PJJ7 - WD82/1A 128
 PJJ7 - WD83/1A 129
 PJJ7 - WD83.2/1A 130
 PJJ8 - WD72/1B 108
 PJJ8 - WD73.1/1B 110
 PJJ8 - WD73/1B 109
 PJJ8 - WD73.2/1B 111
 PJJ8 - WD74/1A/1B 115
 PJJ8 - WD75.1/1A/1B 117
 PJJ8 - WD75/1A/1B 116
 PJJ8 - WD75.2/1A/1B 118
 PJJ878 - WD20.1/1A 34
 PJJ878 - WD20.2/1A 35
 PJJ879 - WD20.1/1A 34
 PJJ879 - WD20.2/1A 35
 PJJ9 - WD82/1A 128
 PJJ9 - WD83/1A 129
 PJMJ07 - WD83.2/1A 130
 PJMJ10 - WD20.1/1B 34

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PJM10 - WD20.2/1B 35
PJM12 - WD32/1A 52
PJT01 - WD20.1/1B 34
PJT01 - WD20.2/2B 35
PJT01 - WD20/2B 33
PJT01 - WD84/1B 131
PJT01 - WD85/1B 132
PN01 - WD20.1/2A 34
PN01 - WD20.2/2A 35
PP1 - WD82/1B 128
PP1 - WD83/1B 129
PP2 - WD82/1B 128
PP2 - WD83/1B 129
PP3 - WD82/1B 128
PP3 - WD83/1B 129
control (simplex), AC power - WD23 40
control unit AC control box (duplex) -
WD22.1 39
control unit AC control box (simplex) -
WD22 38
control unit AC power control (duplex) -
WD21.1 37
control unit AC power control (simplex) -
WD21 36
control unit display/touch screen -
WD68 104
conveyor roll rotation sensor - S113 200
cooling blower, stacker (B703) -
CD30 170
coronas
charge - CD45 185
precharge - CD48 188
preclean - CD47 187
transfer - CD46 186
coronas, high voltage - WD40 60

coupled pre/postprocessor interface to
MIC - WD82 128
coupled pre-postprocessor interface wrap
plug 'A' - WD84 131
cover interlock, drum - WD41 61
CP1 - WD22.1/1A 39
CP1 - WD22/1A 38
cyclone blower motor - CD71 211
cyclone blower rotation sensor -
CD72 212

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D201 - WD46.1/1B 72
D201 - WD46/2B 71
D601 - WD35/1A 55
D602 - WD58/2B 88
D603 - WD49/1A 76
D604 - CD12 152
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address/data bus networks -
WD55 84
backup roll and backup idler roll
encoders (HR091 & FSxxx cards) -
WD60 93
coupled pre-postprocessor interface
wrap plug 'A' - WD84 131
display/touch screen, control unit -
WD68 104
drum cover interlock - WD41 61
erase lamp and usage meter -
WD39 58
forms path sensors (YS011 card) -
WD63 97
fuser and stacker sensors (FSxxx &
HR091) - WD58 88

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fuser sensors (FSxxx and FUxxx
cards) - WD64 98
fuser sensors (FSxxx card) -
WD65 99
high voltage to coronas - WD40 60
laser modulator and beam detect -
WD42 63
laser power and drum cover interlock -
WD41 61
maintenance panel - WD43 68
MIC to coupled pre/postprocessor
interface - WD82 128
MIC to intelligent postprocessor -
WD83 129
MIC to operator alert assembly -
WD79 122
MIC to operator's panel - WD78 121
MIC to printer control cable (1 of 2) -
WD76 119
MIC to printer control cable (2 of 2) -
WD77 120
MIC wrap plugs (PJJ1 and PJJ6) -
WD87 134
motor M106 - WD44 69
motor M107 - WD45 70
motor M201 - WD46 71
motor M202 - WD46.2 73
motor M303 - WD47 74
motor M304 - WD48 75
motor M601 and skew sensor -
WD49 76
motor M602 - WD50 77
motor M607 - WD51 78
motor M610 - WD51.1 79
motor M704 - WD52 80

DC circuits 56 *(continued)*

motors M706 and M707 - WD53 81
oil pumps L701, L702 & L703 -
WD54 82
parallel channel signal (tailgate to
controller, 1 of 2) - WD70 106
parallel channel signal (tailgate to
controller, 2 of 2) - WD71 107
postprocessor interface wrap plug 'B' -
WD85 132
PQE (single beam printhead) -
WD81 123
pre and postprocessing printer circuitry
- WD88 135
printer DC power distribution -
WD38 56
printer speed control - WD67 101
sensor S202 - WD46.2 73
sensors (S112, S113, S114, & S116) -
WD57 86
sensors and switches (PC211, PC531,
& PC551 cards) - WD56 85
side 1/side 2 verify to MIC -
WD83.2 130
stacker sensors and EOF lamps
(SC061 & SC101) - WD59 89
stacker sensors and EOF lamps
(SC091 & SC103) - WD59.1 90
stacker switch panel (forms length &
width cards) - WD59.3 92
stacker switch panel (SW511 & FSxxx
card) - WD59.2 91
switches and sensors (YS011 card) -
WD61 94
switches and sensors (YS011 card) -
WD62 96

DC circuits 56 *(continued)*

wrap cable (PJJ2, PJJ3 and PJJ12),
MIC - WD86 133
DC output table 25
DC power distribution, printer -
WD38 56
DC power units and sequence card,
printer - WD24 42
developer
drain lever switch - CD112 252
L101 - CD62 202
M103 - CD62 202
mag brush bias - CD59 199
run switch - CD114 254
S107 - CD114 254
S112 - CD112 252
S121 - CD122 262
toner control motor - CD62 202
toner control sensor - CD62 202
toner supply switch - CD122 262
diodes
D201 - WD46.1/1B 72
D201 - WD46/2B 71
D601 - WD35/1A 55
display/touch screen, control unit -
WD68 104
distribution to hot roll lamps, AC -
WD34 54
drain lever switch, developer -
CD112 252
drum cover interlock - WD41 61
drum drive, servo control - CD10 150
drum drive, servo control overspeed -
CD09 149
drum drive, servo control time out -
CD08 148

drum drive motor overcurrent -

CD07 147
duplex, control unit AC control box -
WD22.1 39
duplex, control unit AC power control -
WD21.1 37
duplex, urge unit - WD69 105

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EN122 - CD11 151
EN122 - WD63/2A 97
EN123 - CD11 151
EN123 - WD63/1A 97
EN131 - CD10 159
EN131 - WD60/1A/2A 93
encoder, backup roll motor - CD19 159
encoders
backup idler roll motor - CD22 162
backup roll motor - CD19 159
EN122 - WD63/2A 97
EN123 - WD63/1A 97
EN131 - CD19 159
EN131 - CD22 162
EN131 - WD60/1A/2A 93
tension arm encoder - CD11 151
tractor motor - CD02 142
end of forms sensor - CD113 253
EOF lamps, stacker - WD59 89
EOF lamps, stacker - WD59.1 90
erase lamp - WD39 58
erase lamp and usage meter -
WD39 58

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