

Main Electrical Panel Components

Most power system components are located in the right front endframe (Figure 5-3). The table on the next page provides an explanation of each item indicated in the picture.

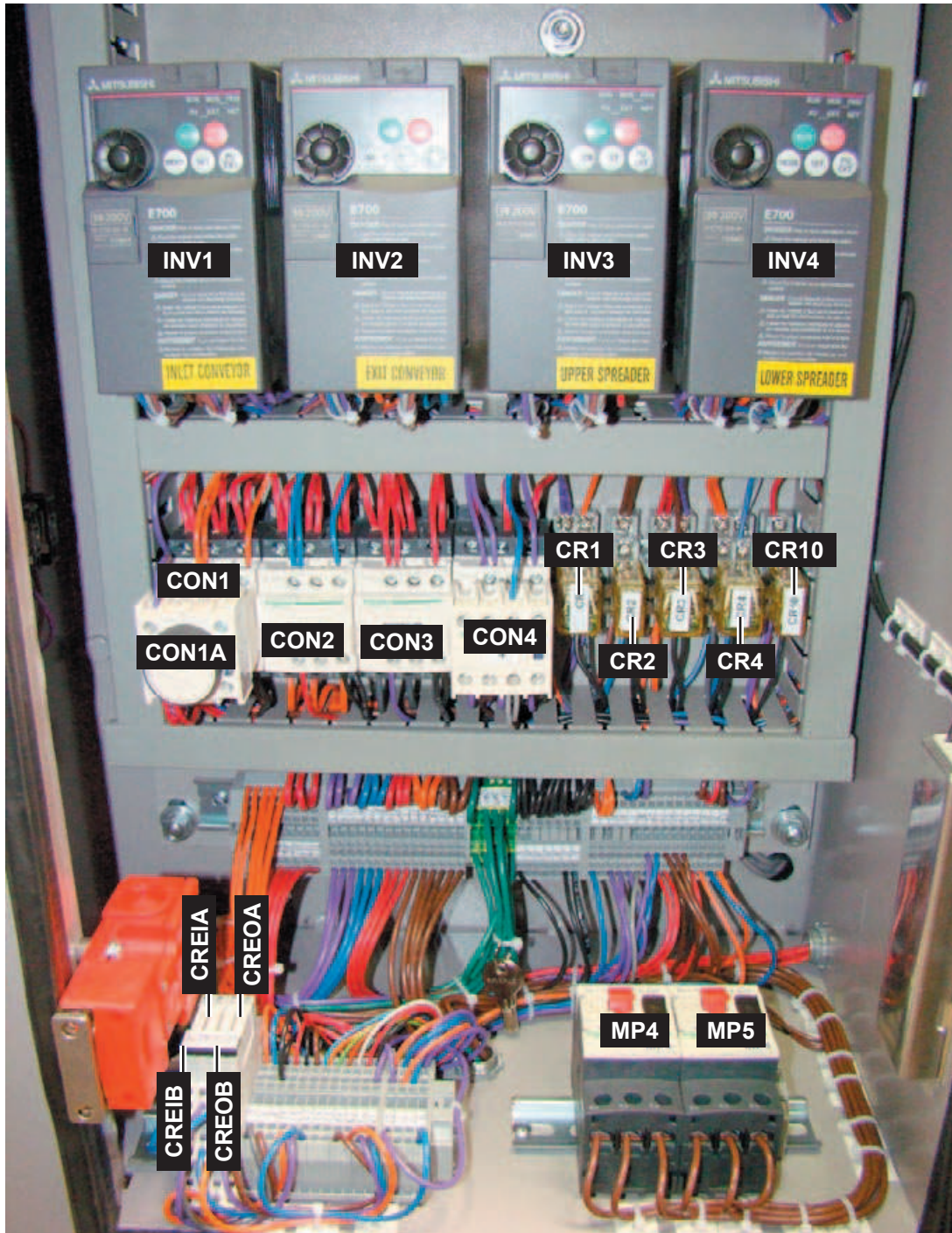


Figure 5-3: Components in the main electrical panel.

MAIN ELECTRICAL PANEL COMPONENTS (Right Endframe)	
Schematic	Description
CON1	Contactora - Inlet Conveyor (INV1)
CON1A	Timer- Blower Clean Off Air Blast Delay On Start Up
CON2	Contactora - Exit Conveyor (INV2)
CON3	Contactora - Upper Spreader (INV3)
CON4	Contactora - Lower Spreaders (INV4)
CR1	Control Relay - Start Circuit
CR2	Control Relay - Inverter Fault Contacts
CR3	Control Relay - Interlocks
CR4	Control Relay - Conveyor Run
CR10	Control Relay - Blower Clean Off Air Blast On Start Up
CREI (A/B)	Control Relay - Interconnected Stop Circuit Input Signal (option)
CREO (A/B)	Control Relay - Interconnected Stop Circuit Output Signal (option)
INV1	Inverter - Inlet Conveyor Motor
INV2	Inverter - Exit Conveyor Motor
INV3	Inverter - Upper Spreader Motor
INV4	Inverter - Left/Right Lower Spreader Motors
MP4	Motor Protector - Left Lower Spreader Motor
MP5	Motor Protector - Right Lower Spreader Motor

Prefeeder Electrical Panel Components

Some power system components are located in the left front endframe (Figure 5-4). The table on the next page provides an explanation of each item indicated in the picture.

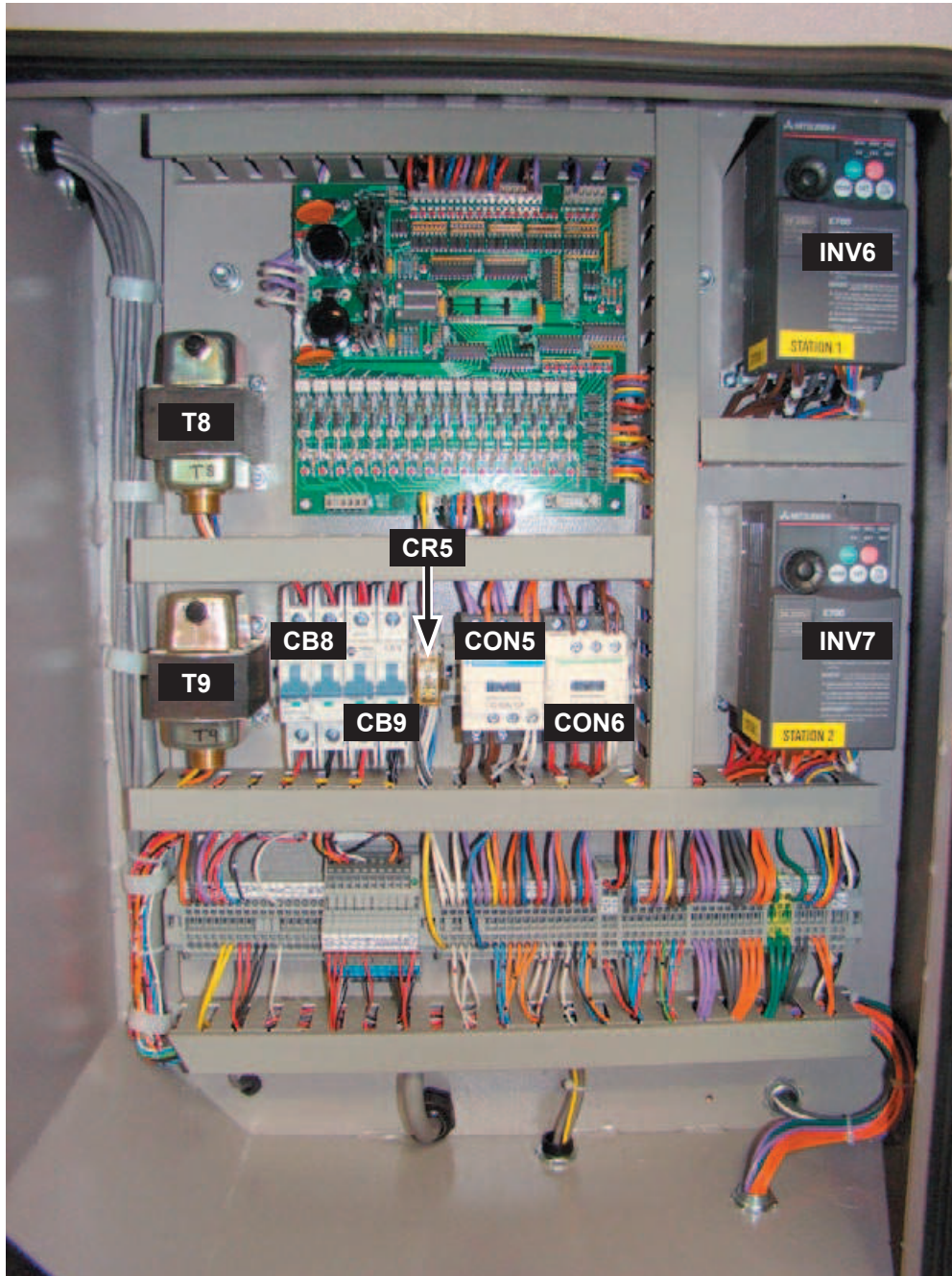


Figure 5-4: Components in the prefeder electrical panel.

PREFEEDER ELECTRICAL PANEL COMPONENTS (Left Endframe)	
Schematic	Description
CB8	Circuit Breaker - T8 24VAC Output Circuit
CB9	Circuit Breaker - T9 Florescent Light
CON5	Contactactor - Station 1 (INV 6)
CON6	Contactactor - Station 2 (INV 7)
CR5	Control Relay - Station Enable
INV6	Inverter - Station 1 Motor
INV7	Inverter - Station 2 Motor
T8	Transformer - 24VAC Control Circuit
T9	Transformer - Florescent Light

Electrical Connection Box Panel Components

Some power system components are located in the electrical connection box (Figure 5-5) at the right rear of the machine. The table below provides an explanation of each item indicated in the picture.

ELECTRICAL CONNECTION BOX COMPONENTS	
Schematic	Description
CB1	Circuit Breaker - T3 24VAC Control Circuit
CB2	Circuit Breaker - T4 24VAC Output Circuit
CB4	Circuit Breaker - Main
CB11	Circuit Breaker - Station Motor Circuit
CON7	Contactor - Vacuum Blower Motors
DISC1	Switch - Main Power
MP6	Motor Protector - Right Blower Motor
MP7	Motor Protector - Left Blower Motor
T3	Transformer - 24VAC Control Circuit
T4	Transformer - 24VAC Output Circuit

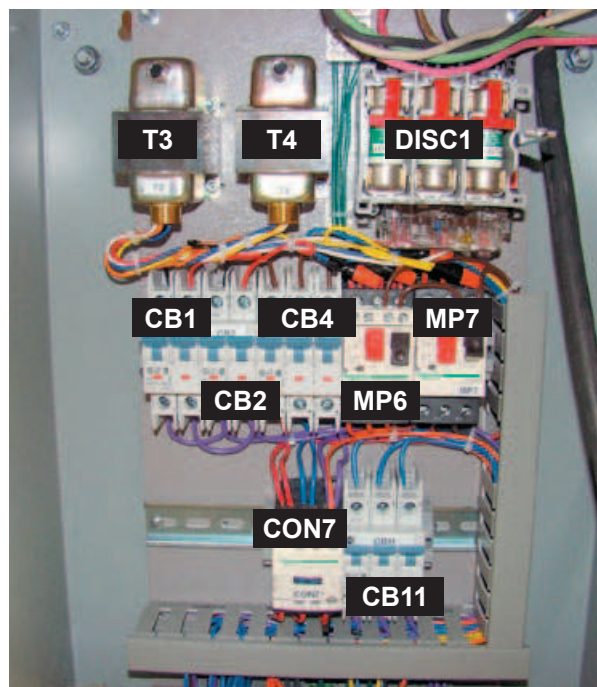


Figure 5-5: Components in the electrical connection box.