Timing Chart / Circuit Diagrams

High Capacity Stacker - A1

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1.Timing Chart

1.1 OUTPUT TRAY Delivery Operation

■ When two papers are delivered

	Descriptions	
1	CycleUp (Input from host machine)	
2	Standby (Output to host machine)	
3	Main drive motor (M06)	Job information
4	OUTPUT TRAY exit drive motor (M10)	Depending on the driving speed of M6 / It drives at same speed as M06 / drives slowly / It drives at same speed as M06 / Depending on the driving speed of M6 / drives slowly / It drives at same speed as M06
5	SheetExit (Input from host machine)	
6	Entrance sheet sensor (PI01)	
7	Gate entrance sheet sensor (PI02)	
8	OUTPUT TRAY exit sheet sensor (PI03)	
9	SampleSheetDelivered (Output to host machine)	

1.2 Stack Tray Delivery Operation

■ When four papers are stacked and offset by two paper each

	Descriptions	
1	CycleUp (Input from host machine)	
2	Standby (Output to host machine)	
3	Main drive motor (M06) Offset section drive motor (M07)	Job information
4	Stack tray up/down motor (M08)	Down, Up, Down, Down, Down, Down, Down
5	Changeover of guides (M01/M02/M03)	
6	Stack guide operates for front offset (SL04/SL05)	Operation for front offset; To match the first sheet offsetting operation
7	Changeover of guides (M01/M02/M03)	
8	SheetExit (Input from host machine)	
9	OUTPUT TRAY eject gate solenoid (SL01)	
10	Entrance sheet sensor (PI01)	
11	Gate entrance sheet sensor (PI02)	
12	Horizontal transport sheet sensor (PI06)	
13	Offsetting entrance sheet sensor (PI08)	
14	Offsetting left sheet sensor (PI09)	
15	Offset section sheet hold motor (M09)	Release, Release, Release, Release
16	Offsetting motor (upstream) (M11/M12)	Offsetting (to match the first sheet offsetting operation); Offsetting
17	Offsetting right sheet sensor (PI10)	
18	Offsetting motor (downstream) (M04/M05)	Offsetting (to match the first sheet offsetting operation); Offsetting
19	Right turn over sheet sensor (PI11)	
20	Stacker exit sheet sensor (PI07)	
21	Stack tray receiving position sensor (PI14)	
22	StackSheetDelivered (Output to host machine)	

■ : Driving in normal direction

▨ : Driving in reverse direction

1.3 Downstream Output Operation

■ When two papers are delivered

	Descriptions	
1	CycleUp (Input from host machine)	
2	Standby (Output to host machine)	
3	Main drive motor (M06)	Job information
4	SheetExit (Input from host machine)	
5	OUTPUT TRAY eject gate solenoid (SL01)	
6	Downstream output gate solenoid (SL02)	
7	Entrance sheet sensor (PI01)	
8	Gate entrance sheet sensor (PI02)	
9	Horizontal transport sheet sensor (PI06)	
10	Downstream exit sheet sensor (PI15)	
11	SheetEjectON (Output to host machine)	

2.Circuit Diagrams

2.1 Abbreviations for Signals and Wire Color

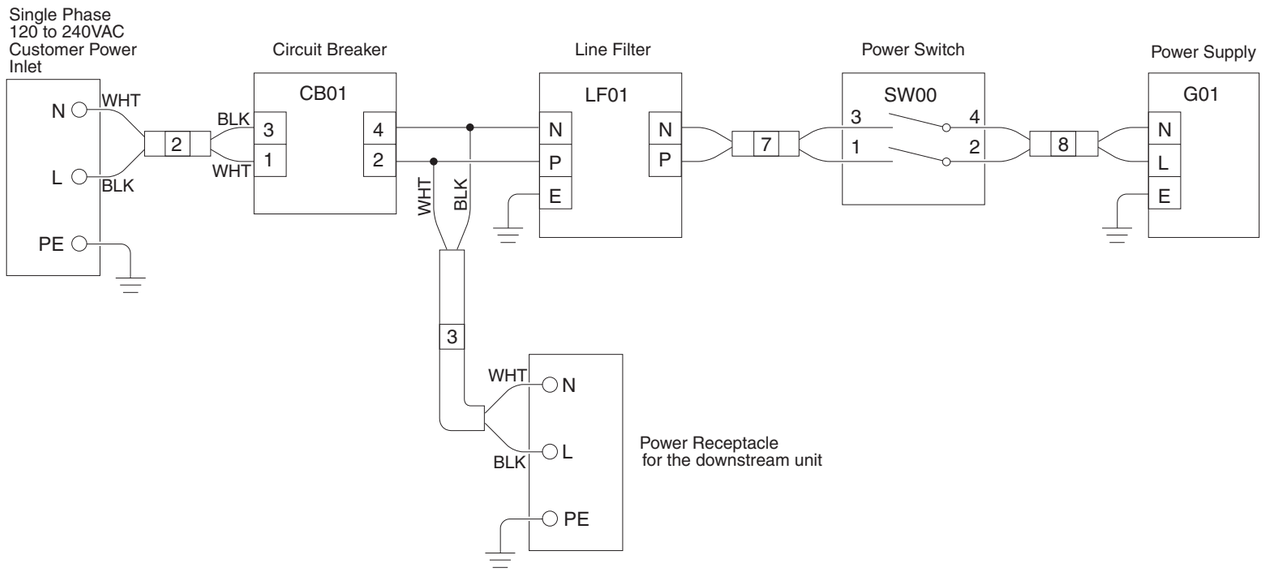
This chart shows the abbreviations for signals and wire color

Abbreviations	Descriptions
ALARMOUT	Alarm output
ALARMRESET	Alarm reset
clock	Pulse output
CW	Clockwise
CCW	Counterclockwise
N.C.	No connection
RUN/BRAKE	Drive/Stop
RxD*	Serial Communication Signal (Input)
sig	Signal Voltage
SPEEDOUT	Speed Output
START/STOP	Start Signal
TxD*	Serial Communication Signal (Output)
VCC	Power voltage
VO	Contrast Adjustment

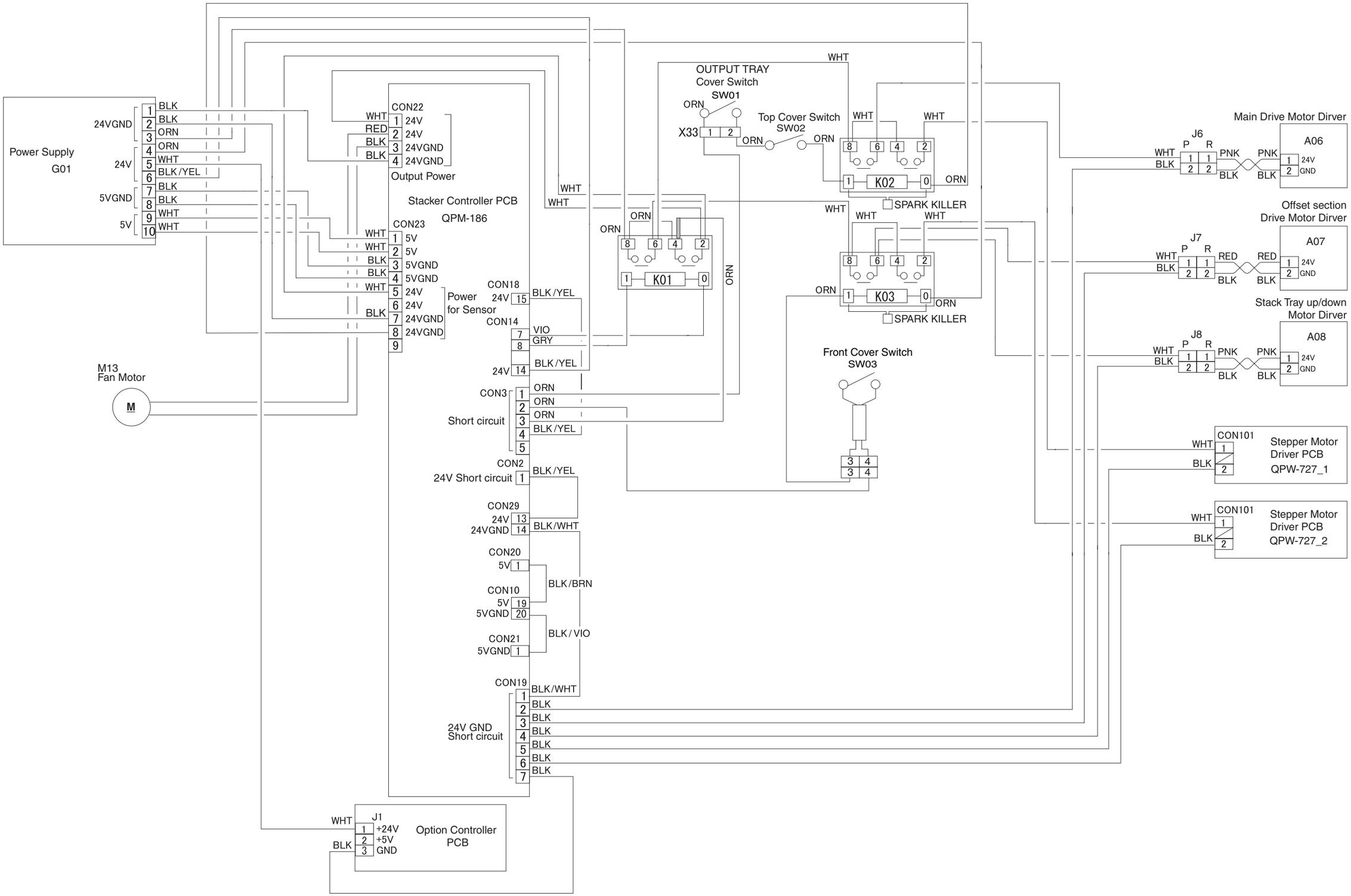
Abbreviations	Colors
BRN	Brown
RED	Red
ORN	Orange
YEL	Yellow
GRN	Green
BLU	Blue
VIO	Violet
GRY	Gray
WHT	White
BLK	Black
YEO	Yellow ocher

The mark " * " means that the wire is stuck with a gray label to discriminate the same color wires.

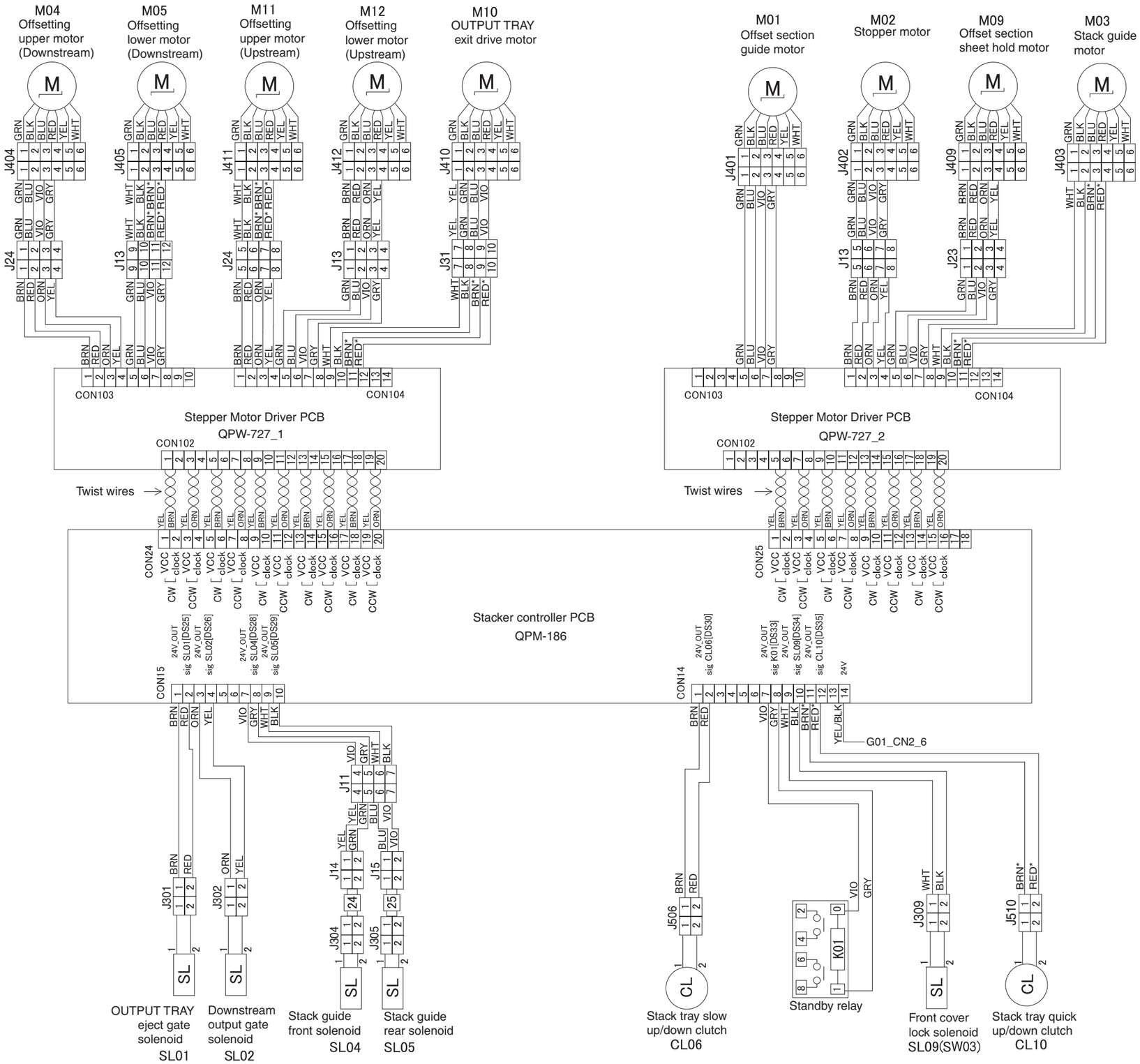
2.2 120-240 VAC Circuit Diagram



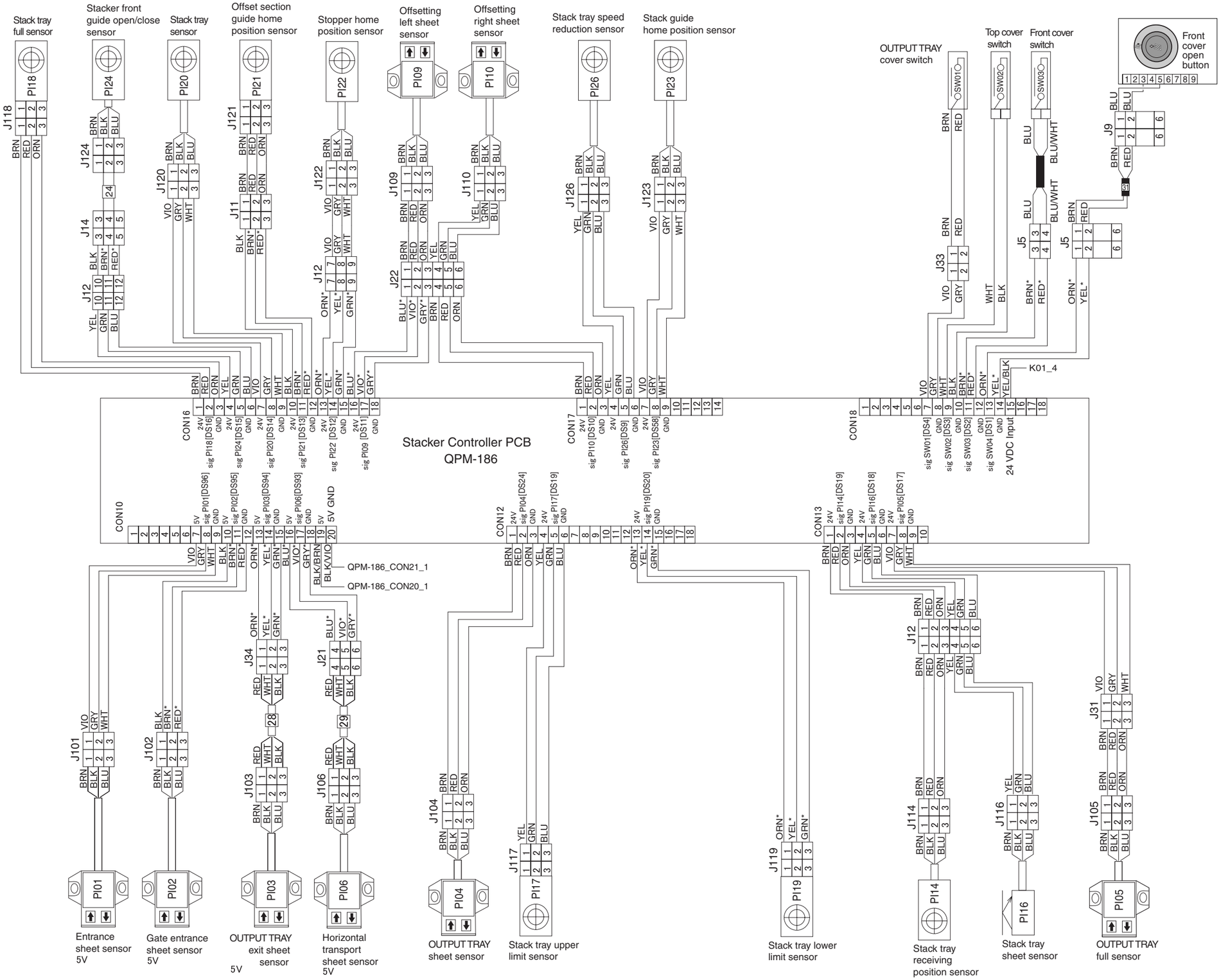
2.3 24 VDC Circuit Diagram



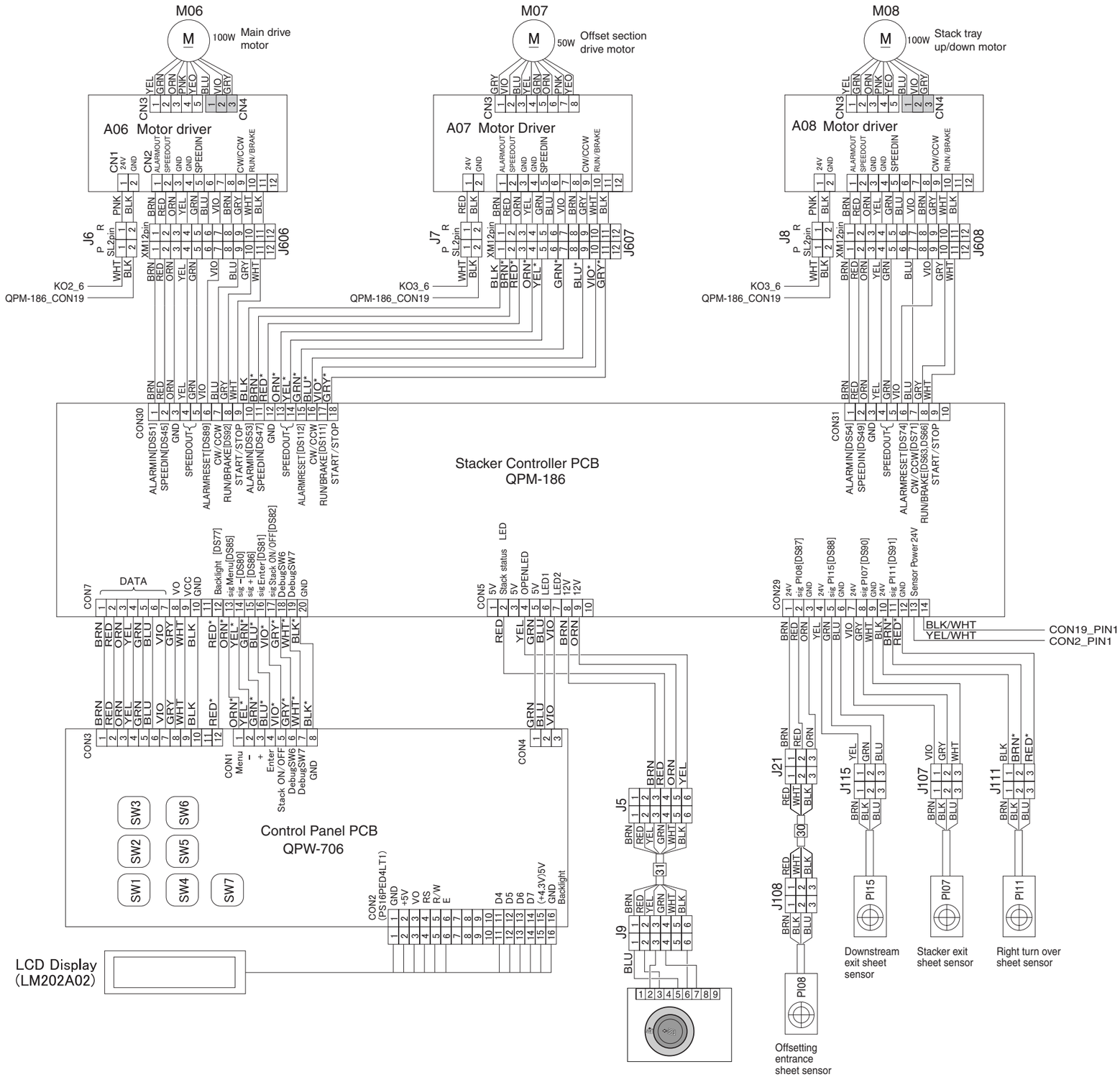
2.4 I/O Circuit Diagram



2.4 I/O Circuit Diagram (Continued)



2.4 I/O Circuit Diagram (Continued)



2.5 Parallel Communication Diagram