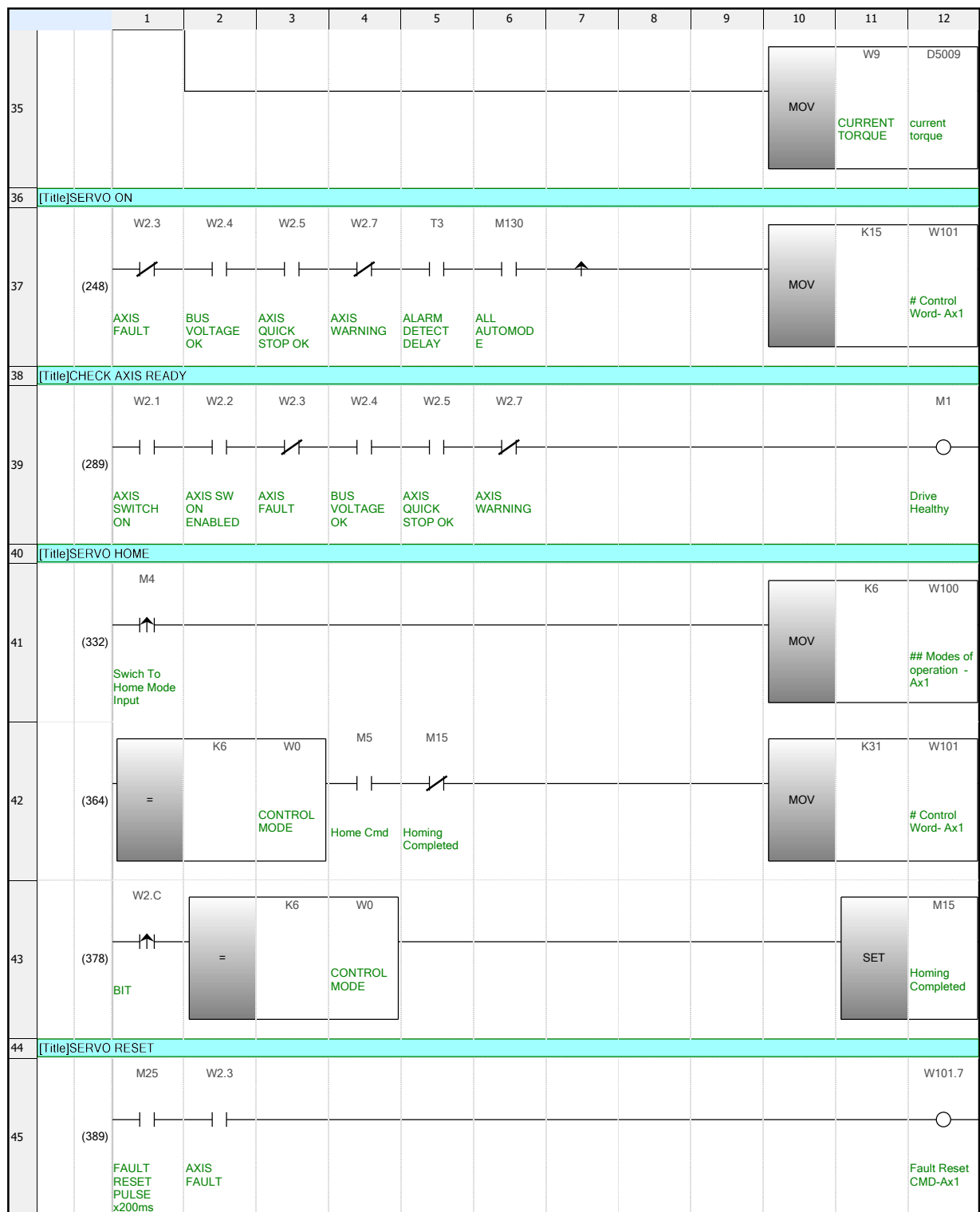
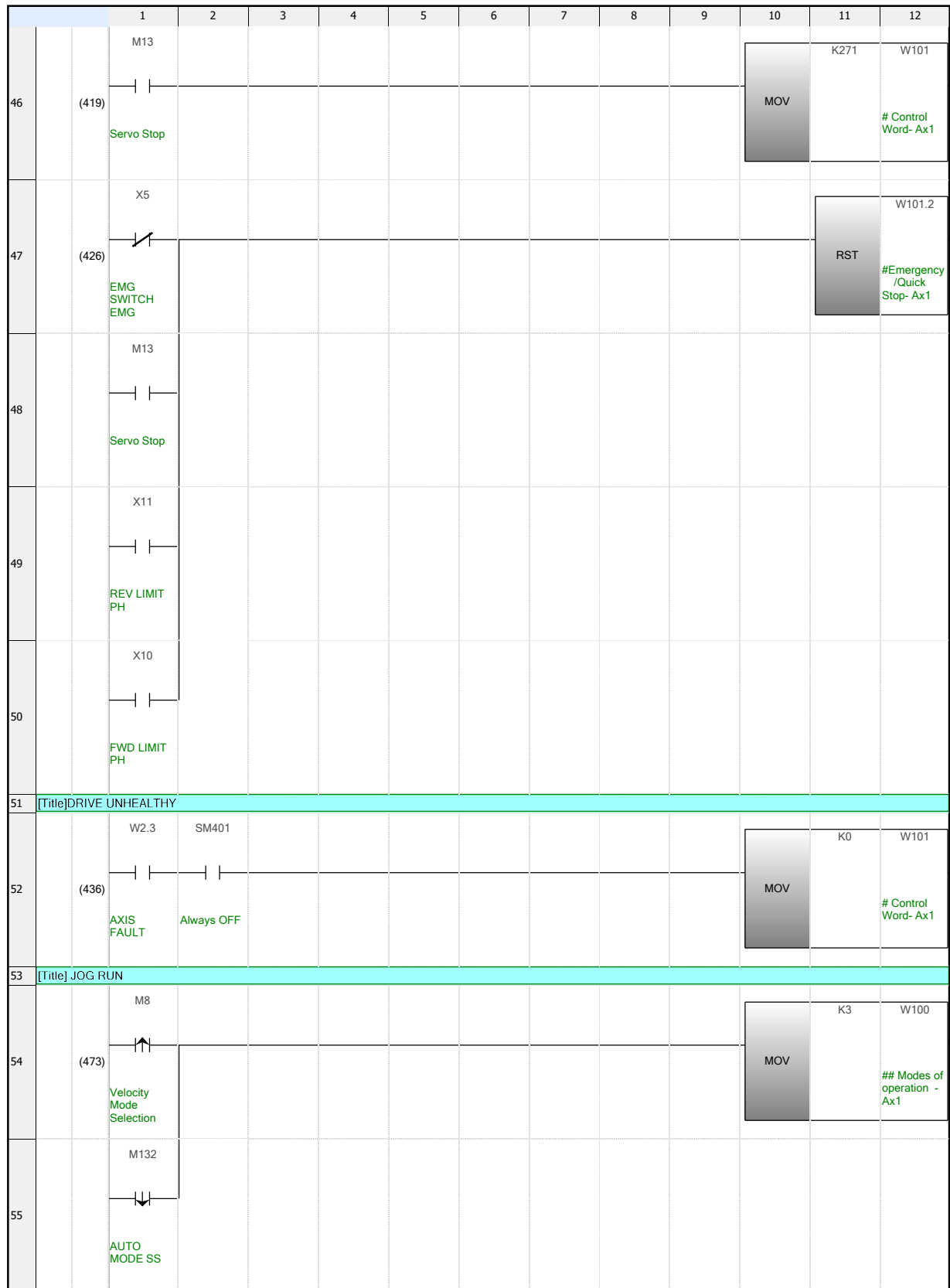


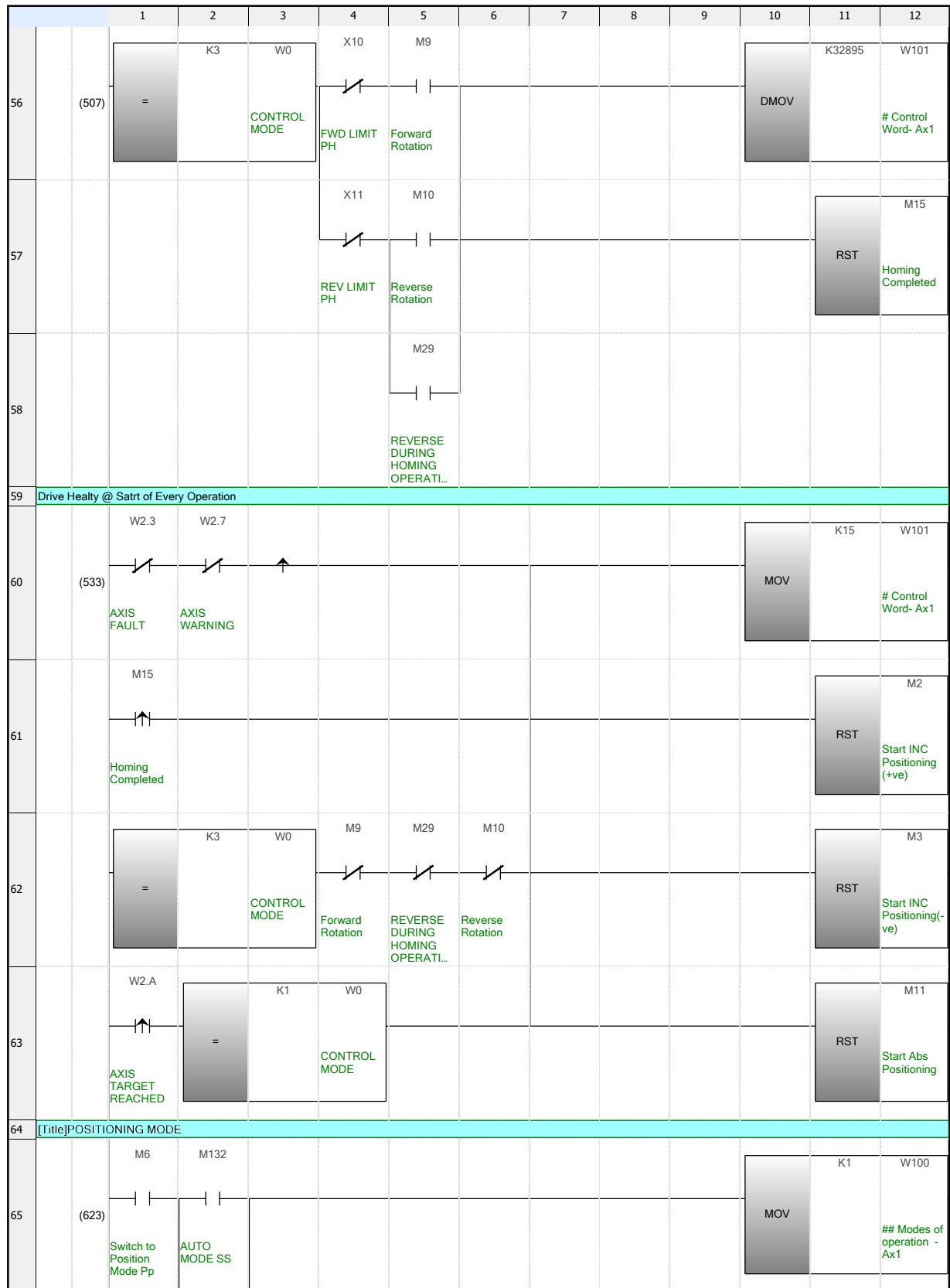
	1	2	3	4	5	6	7	8	9	10	11	12
11	SM400 (65) Always ON								E*	D500 Command Position(Pp) Ax1	E1000 ACCUMULA TOR	D490 ACCUMULA TOR
12										FLT2DINT	D490 ACCUMULA TOR	D492 BUFFER
13										DMOV	D492 BUFFER	W105 ##Ax1- Position command (Pp) (DWR...
14									E*	D502 Command Speed Pp (rpm)	E600 ACCUMULA TOR	D494 ACCUMULA TOR
15										FLT2DINT	D494 ACCUMULA TOR	D496 BUFFER
16										DMOV	D496 BUFFER	W10C ##Ax1- Command speed (Pp) (DWRD)...
17									E*	D506 Jog Velocity (rpm*100)- Ax1	E600 ACCUMULA TOR	D480 ACCUMULA TOR
18										FLT2DINT	D480 ACCUMULA TOR	D482 BUFFER

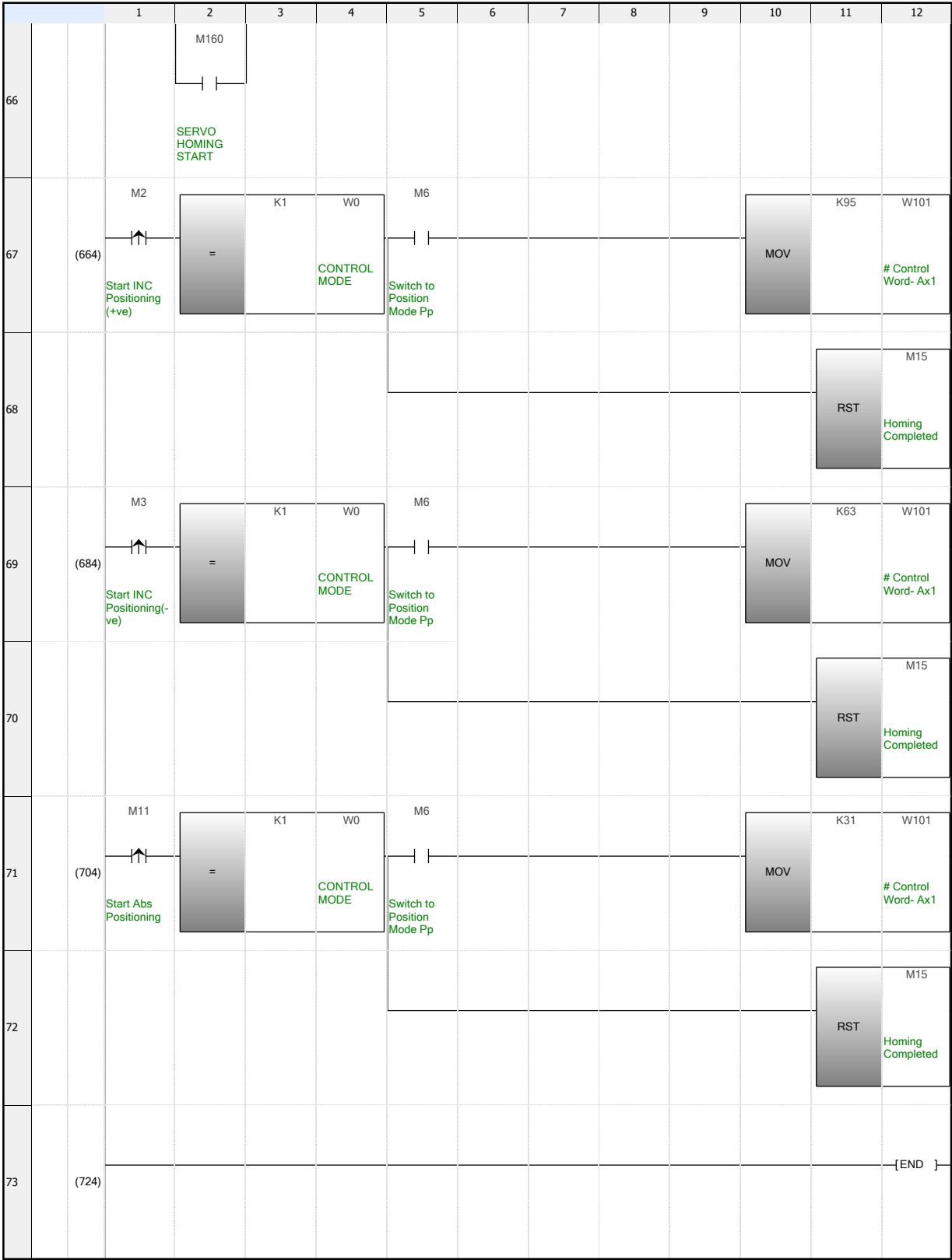
	1	2	3	4	5	6	7	8	9	10	11	12
19		M9 Forward Rotation	M10 Reverse Rotation							DMOV	D482 BUFFER	W107 Target Velocity (Pv) -Ax1 (DWRD)
20		M10 Reverse Rotation	M9 Forward Rotation						DMUL	D482 BUFFER	K-1	W107 Target Velocity (Pv) -Ax1 (DWRD)
21		M29 REVERSE DURING HOMING OPERATI...										
22										MOV	K1000	D508 Torque Limit + (%)
23										MOV	K1000	D510 Torque Limit - (%)
24									MUL	D508 Torque Limit + (%)	K100	W114 Ax1-Positive torque Limit Value limit value
25									MUL	D510 Torque Limit - (%)	K100	W115 Ax1-Negative Torque Limit Value
26										MOV	K100	W10E ##Ax1-Acceleration time Constt (Pp Pv) (D...

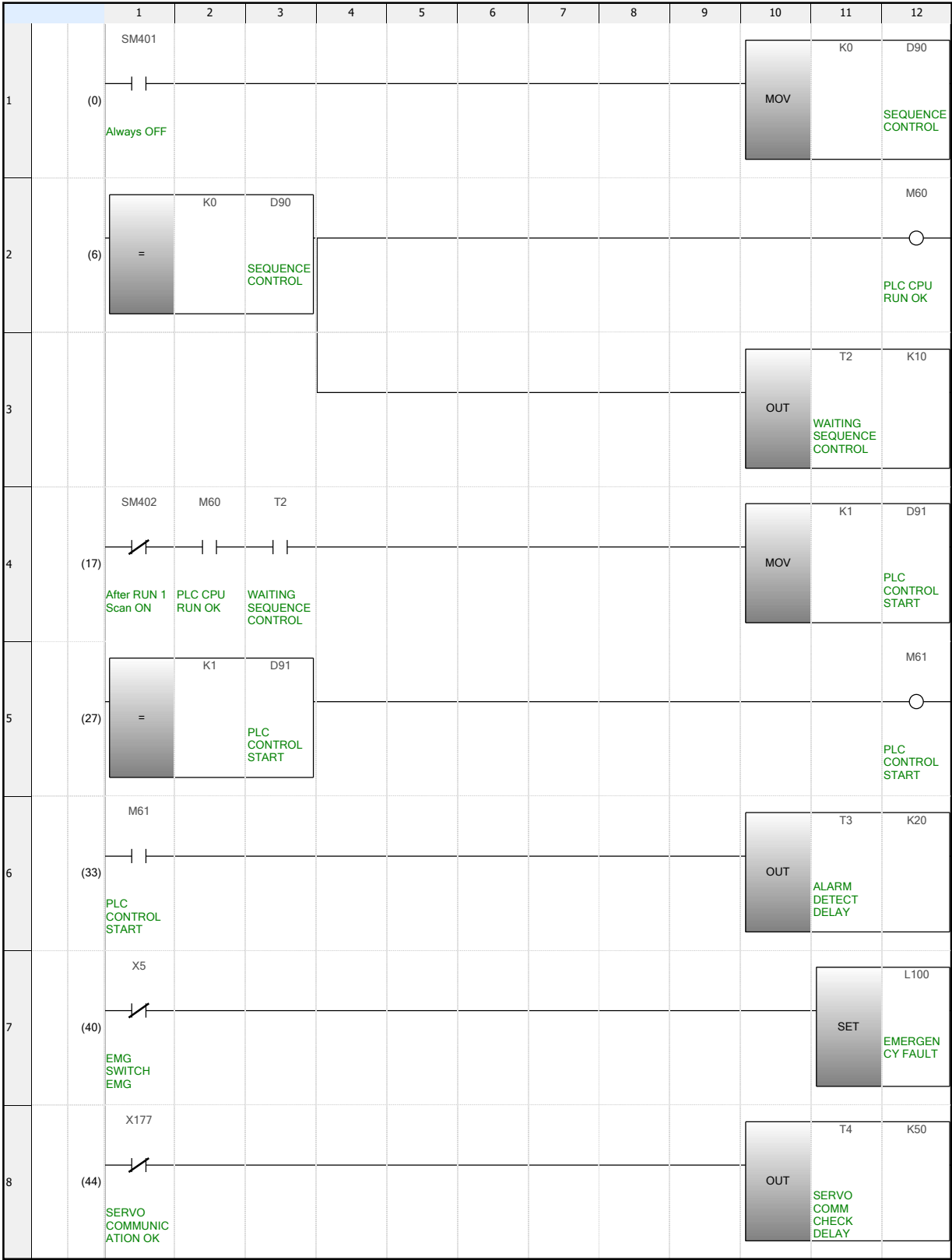
			1	2	3	4	5	6	7	8	9	10	11	12
27												MOV	K100	W110 ##Ax1- Deceleration time Constt (Pp Pv) (D...
28												MOV	W0 CONTROL MODE	D5000 control mode
29												MOV	W2 CONTROL STATUS	D5002 control status
30												DINT2FLT	W3 CURRENT POSITION	D5003 current position
31											E/	D5003 current position	E1000	D5003 current position
32												DINT2FLT	W5 ACTUAL SPEED	D5005 current speed
33											E/	D5005 current speed	E600	D5005 current speed
34												DMOV	W7 DROOP SPEED	D5007 drop speed

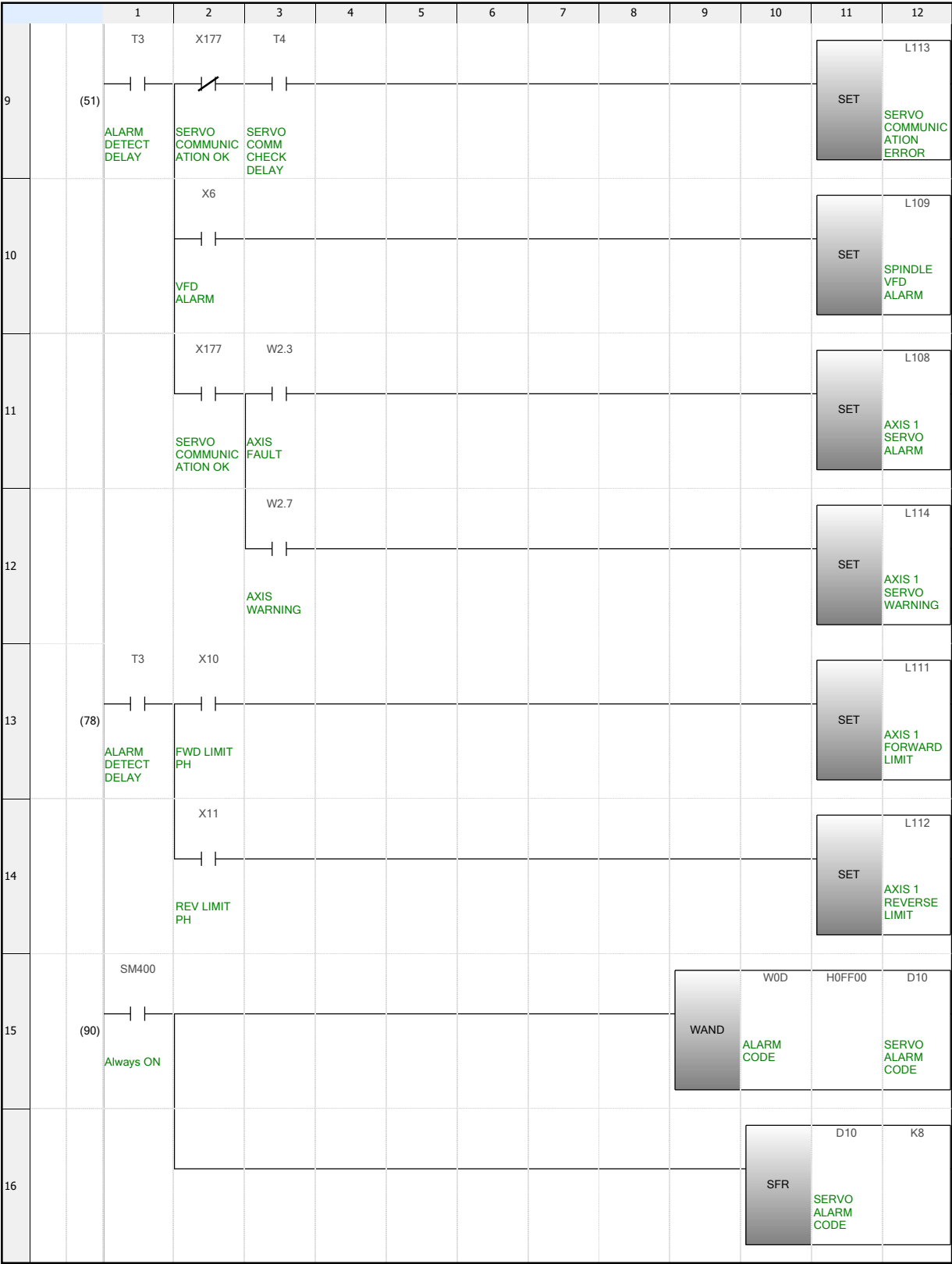


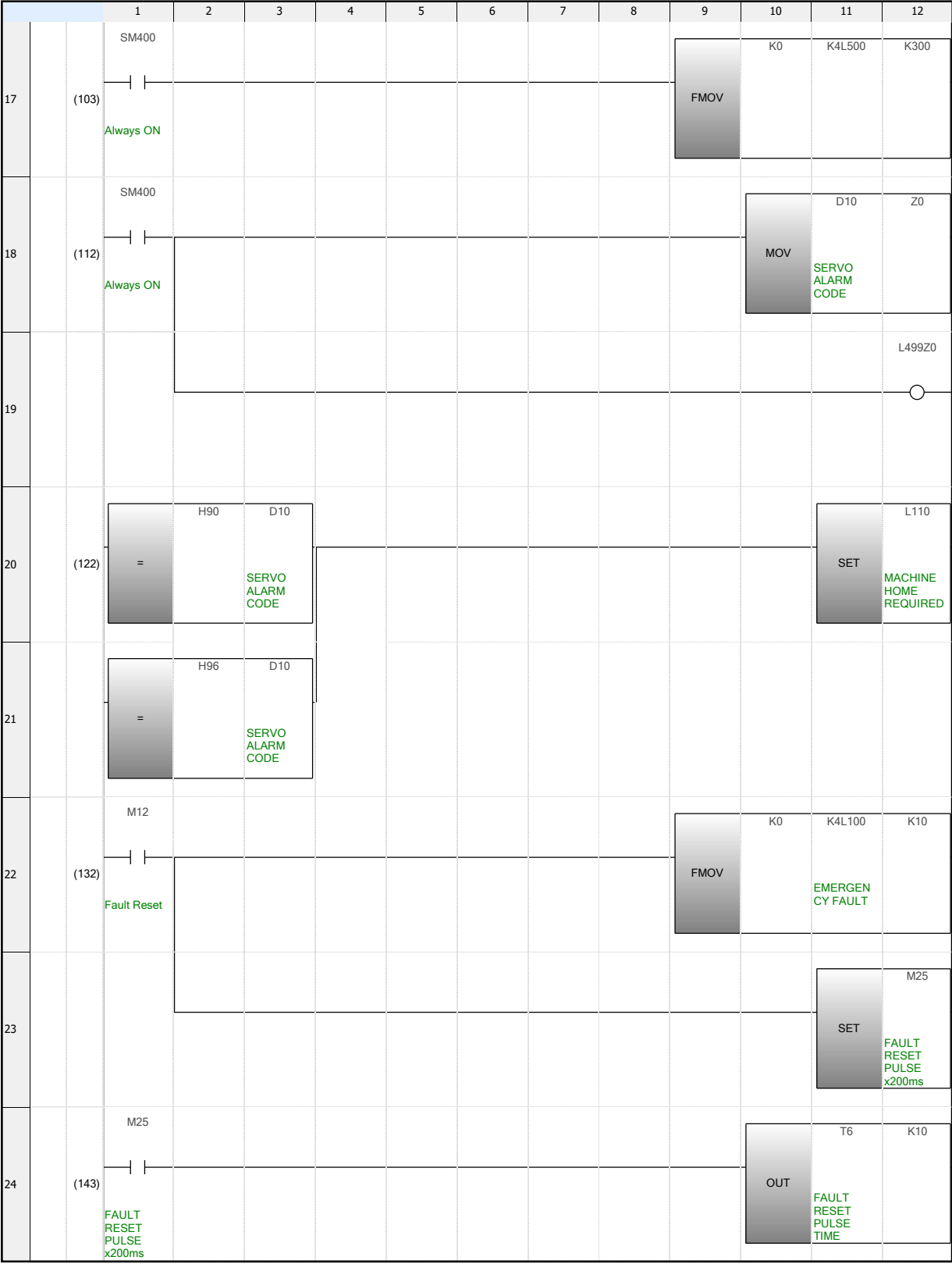


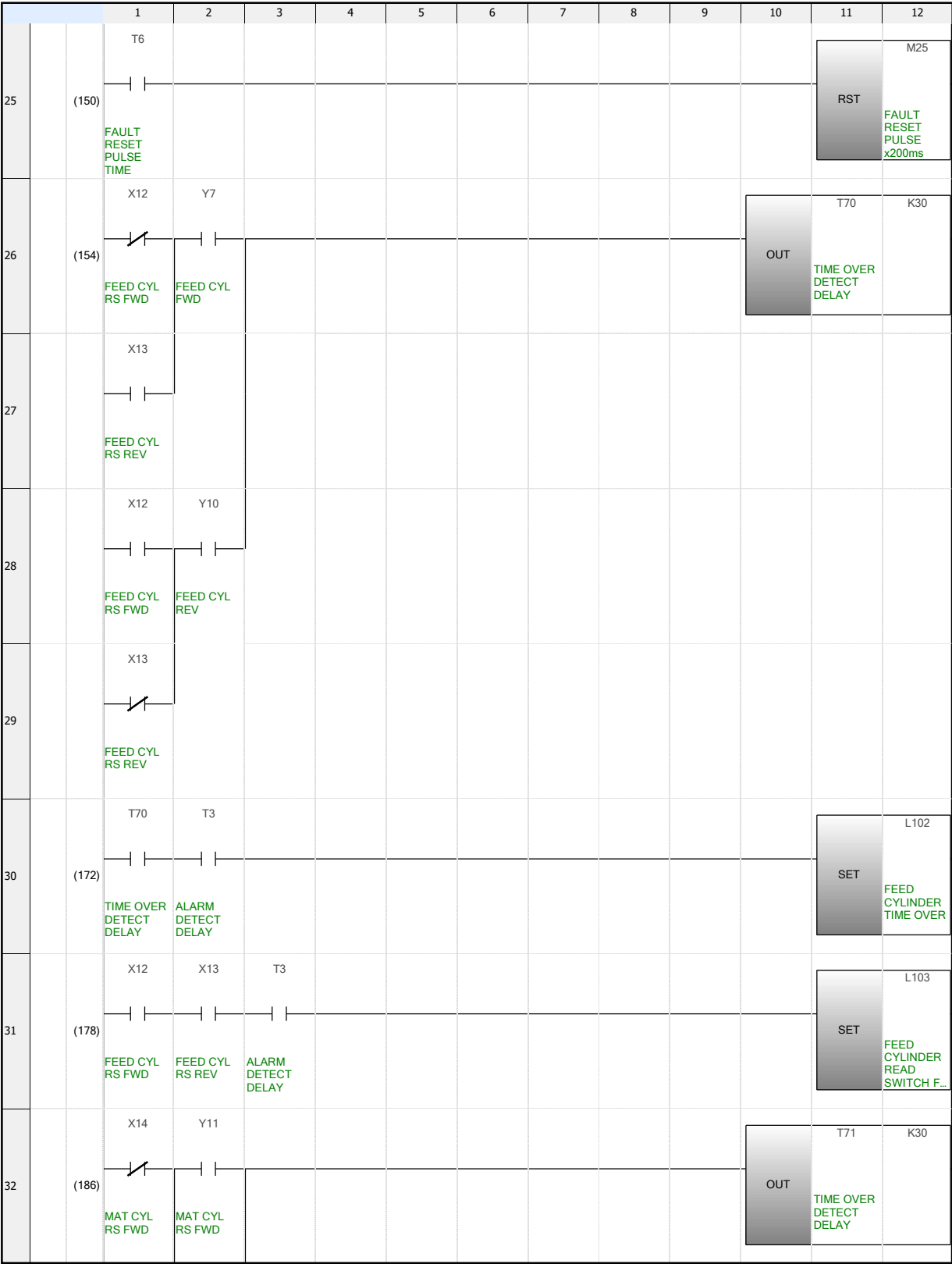


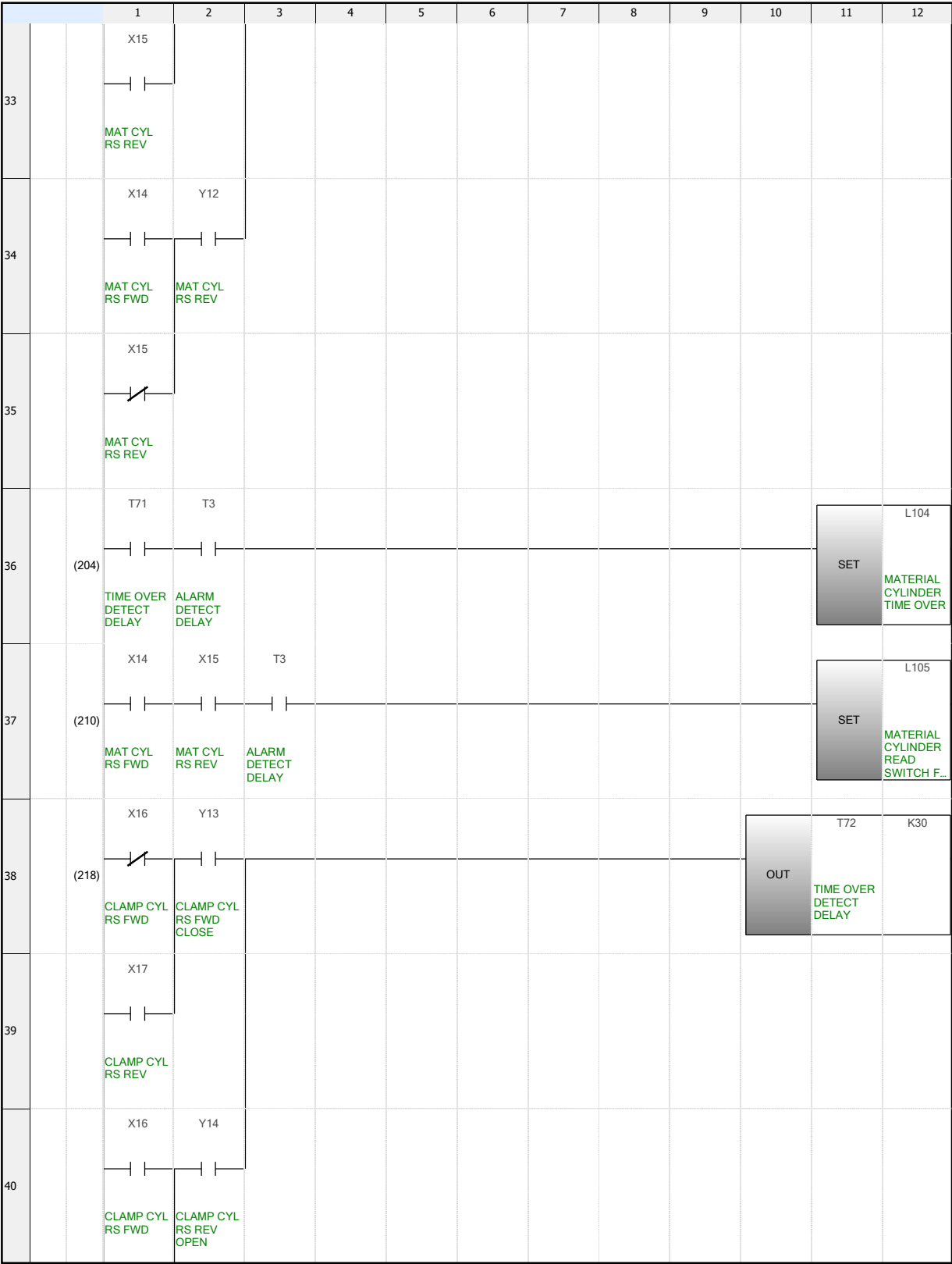


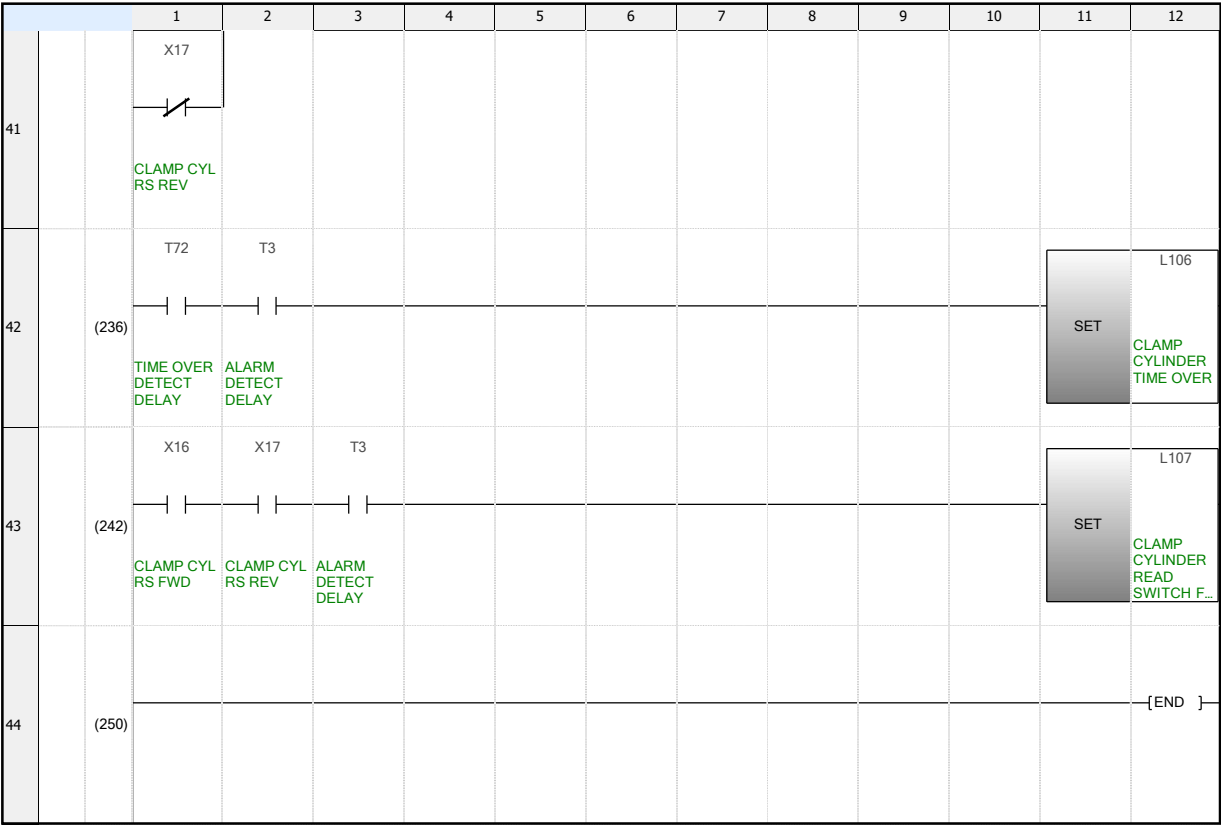


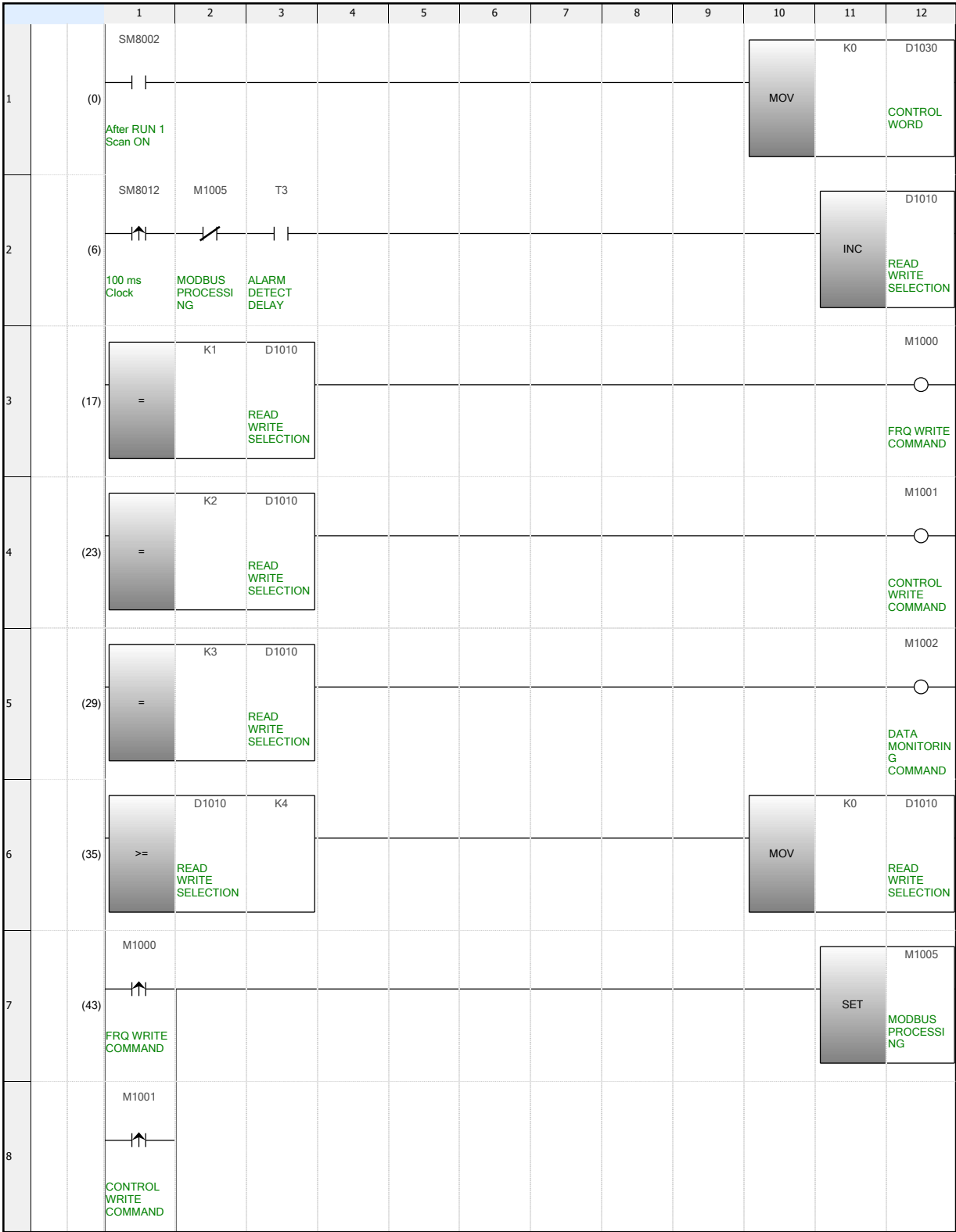


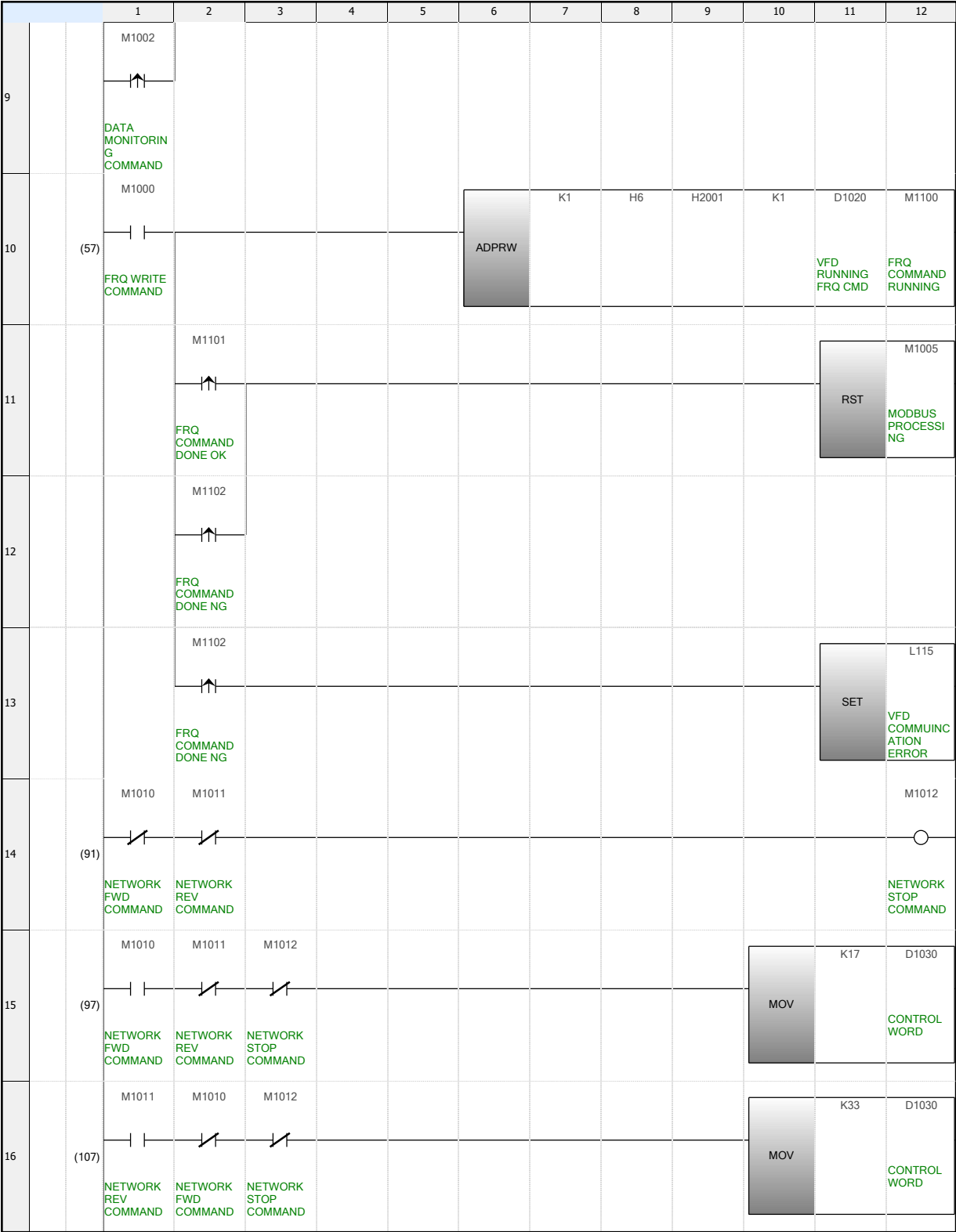


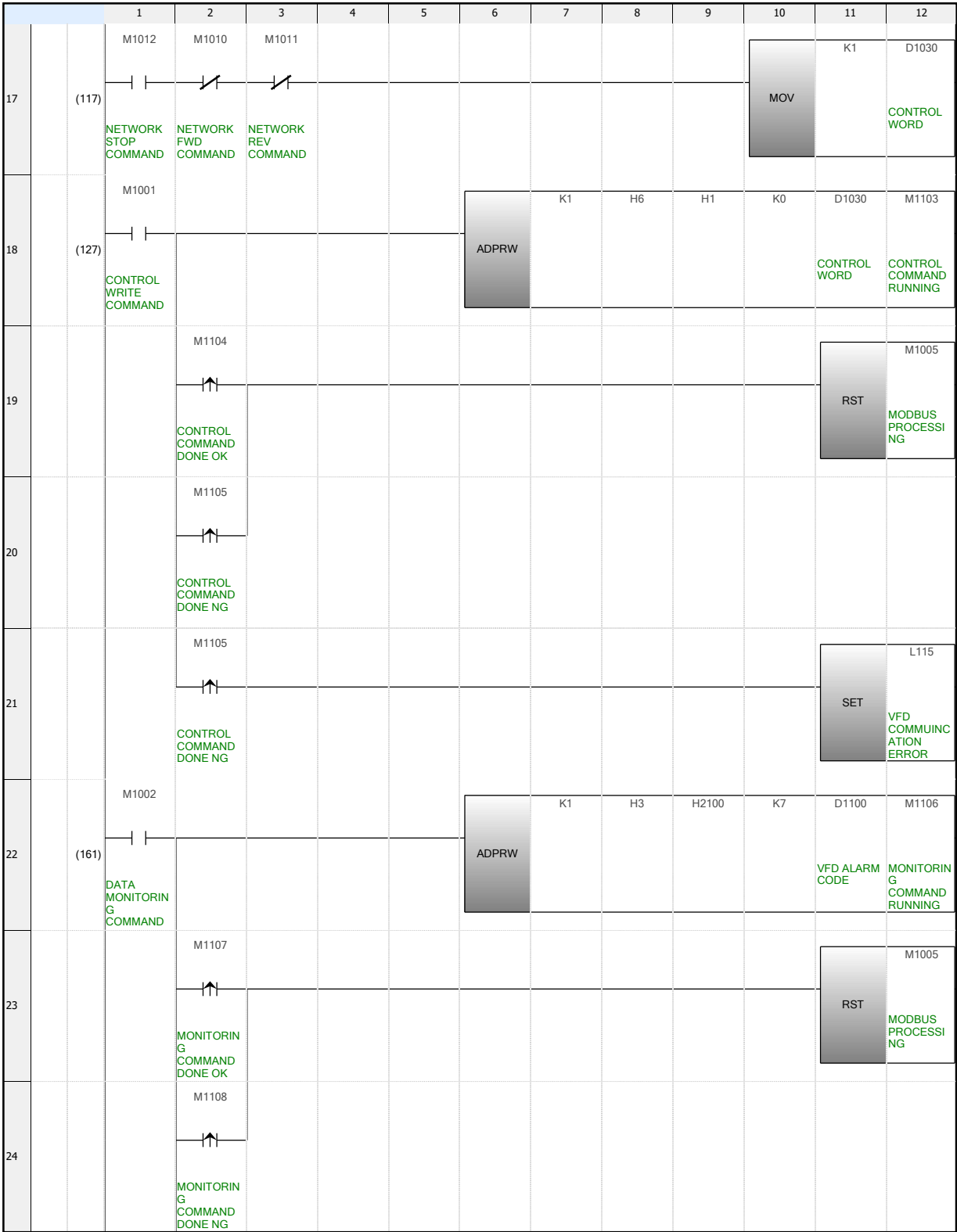


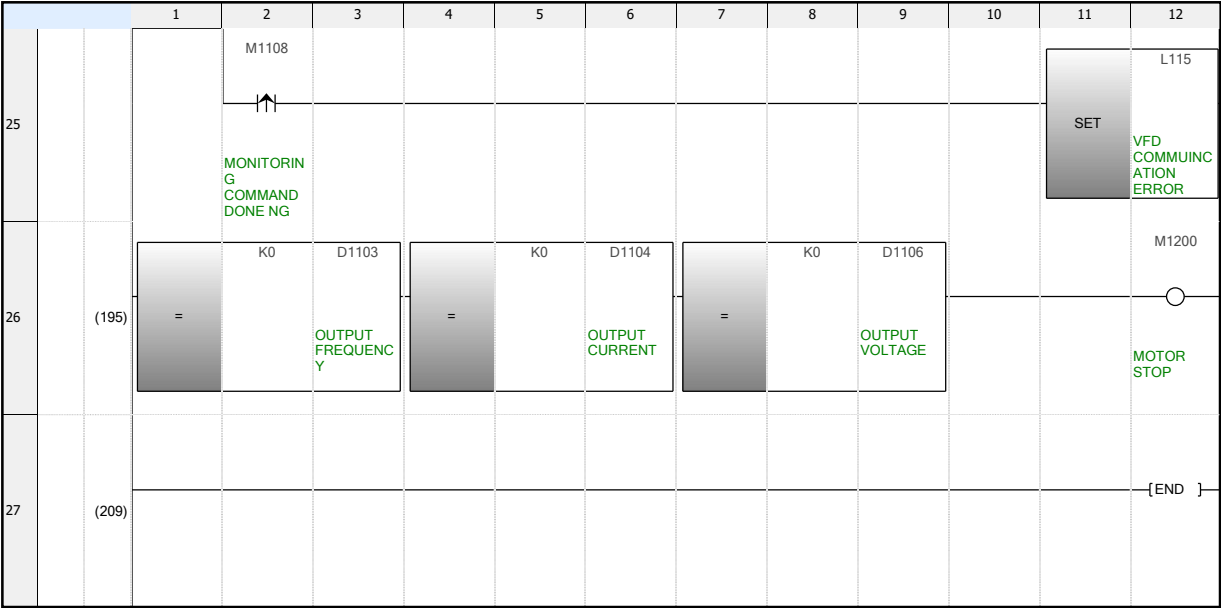


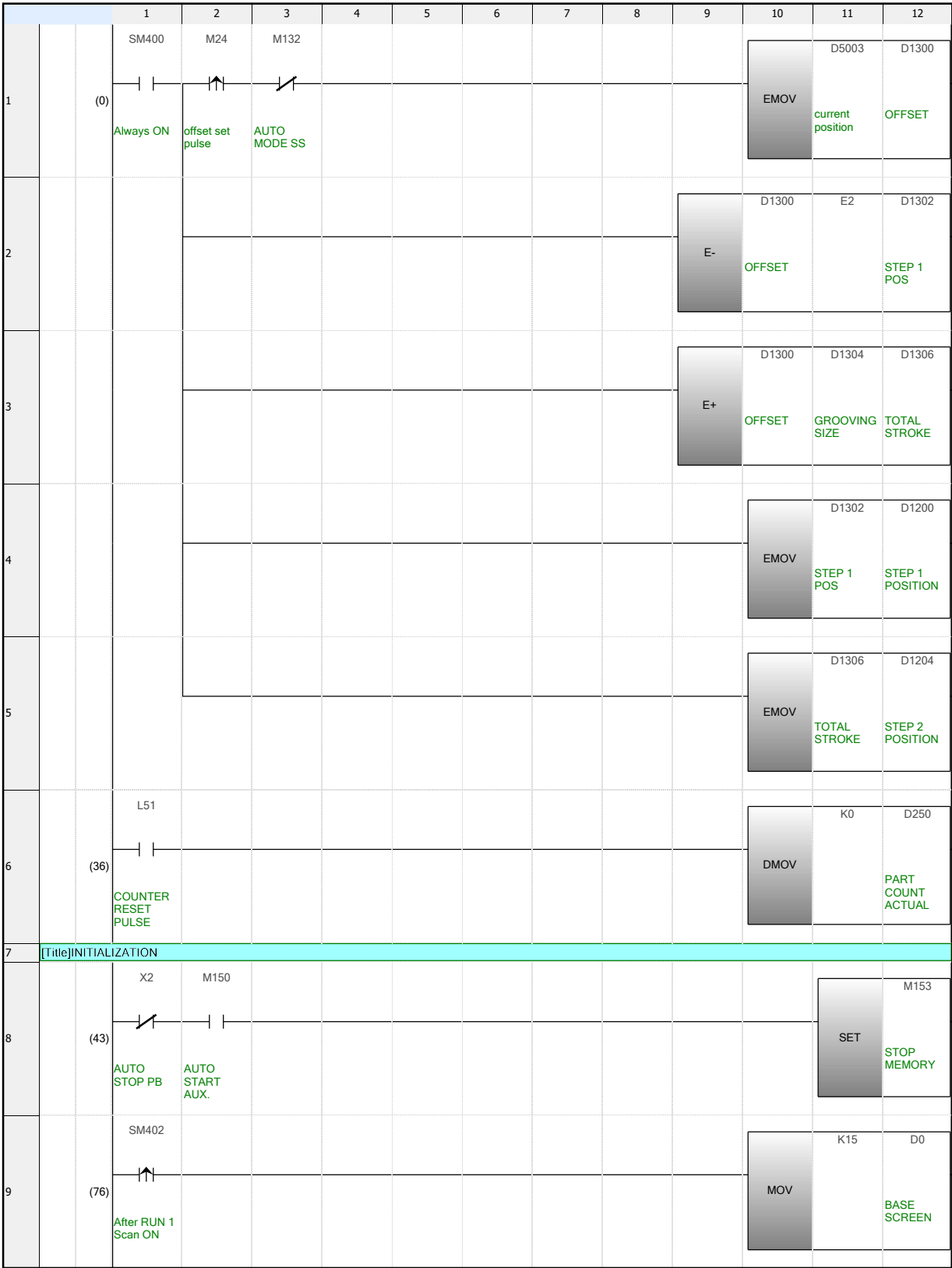


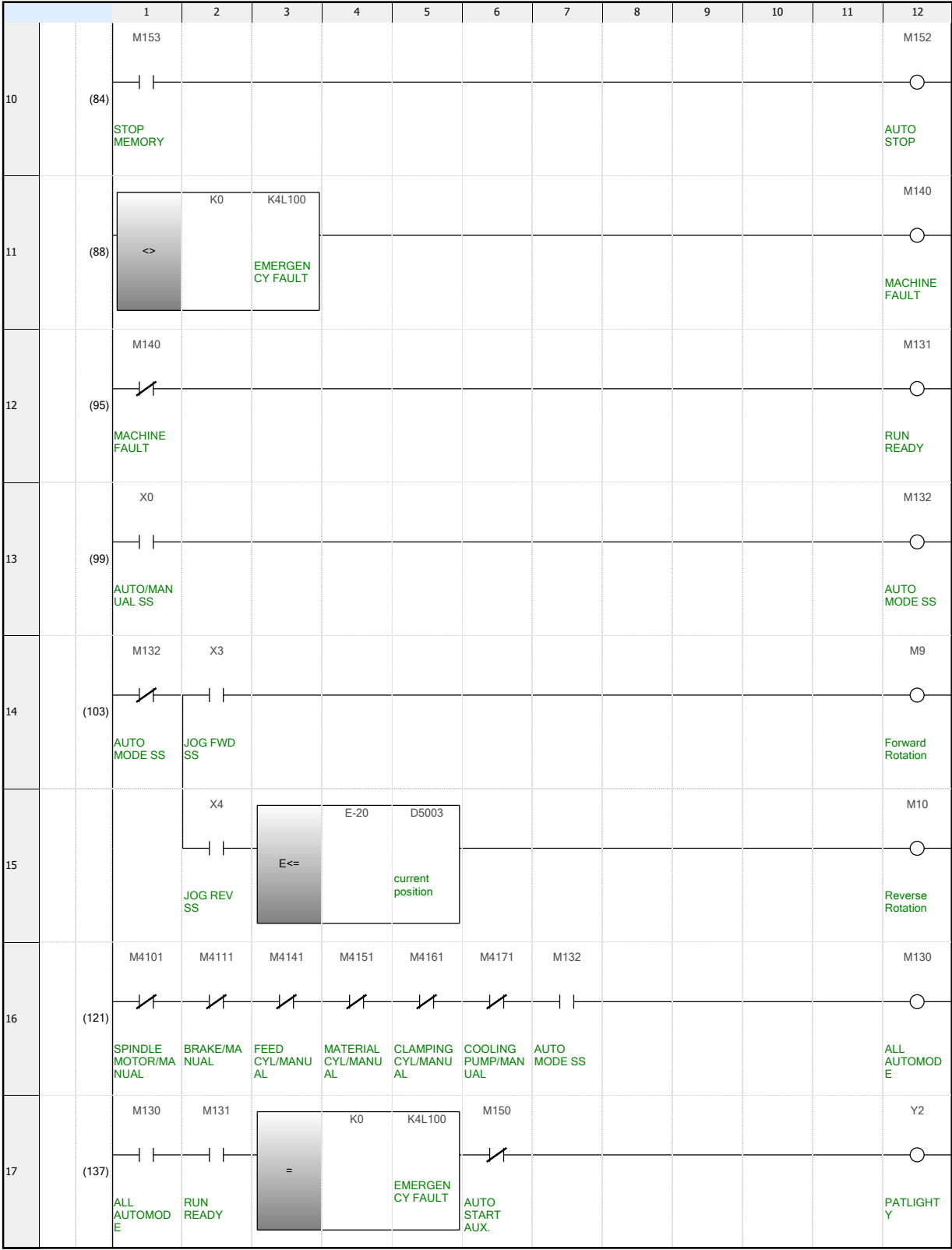


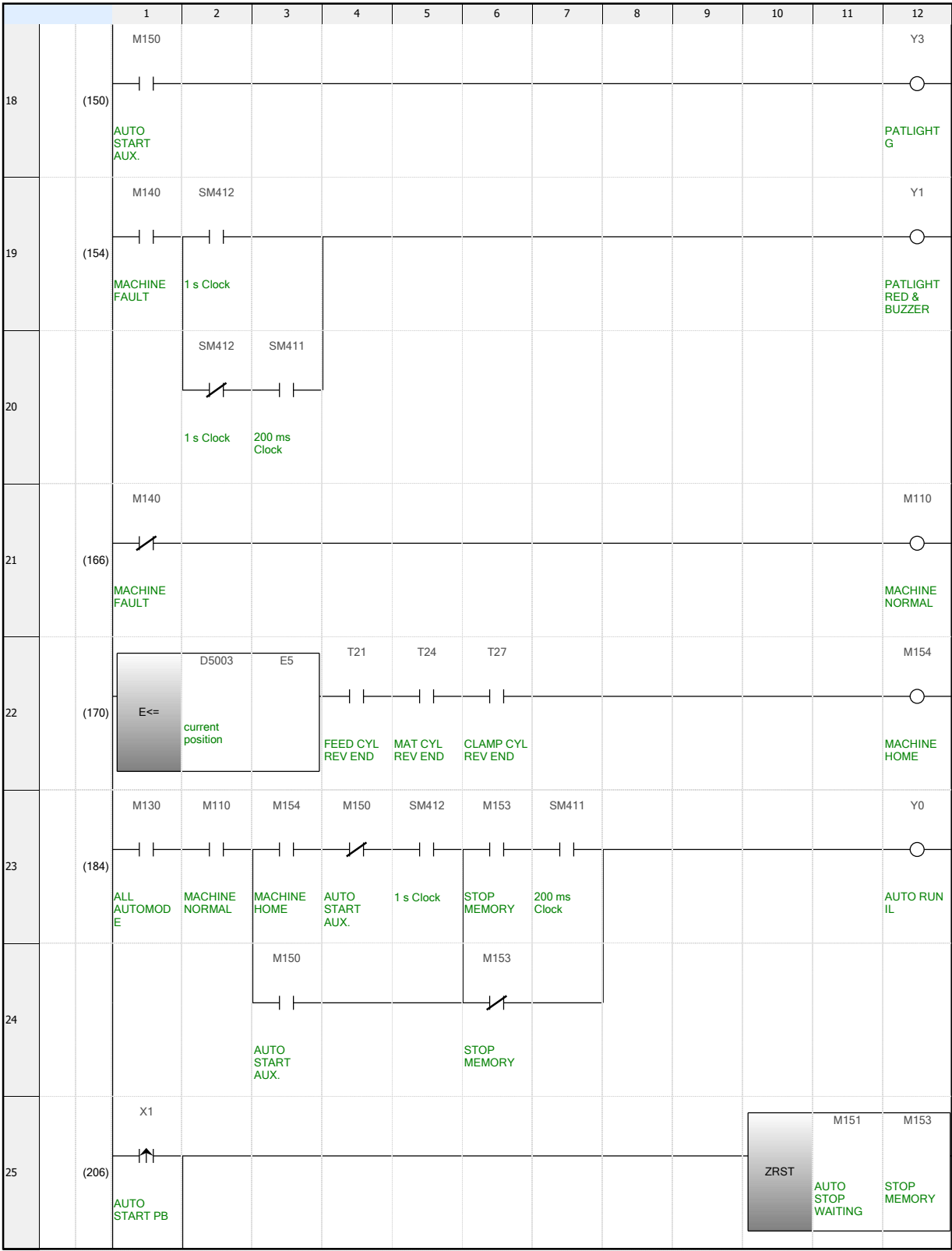


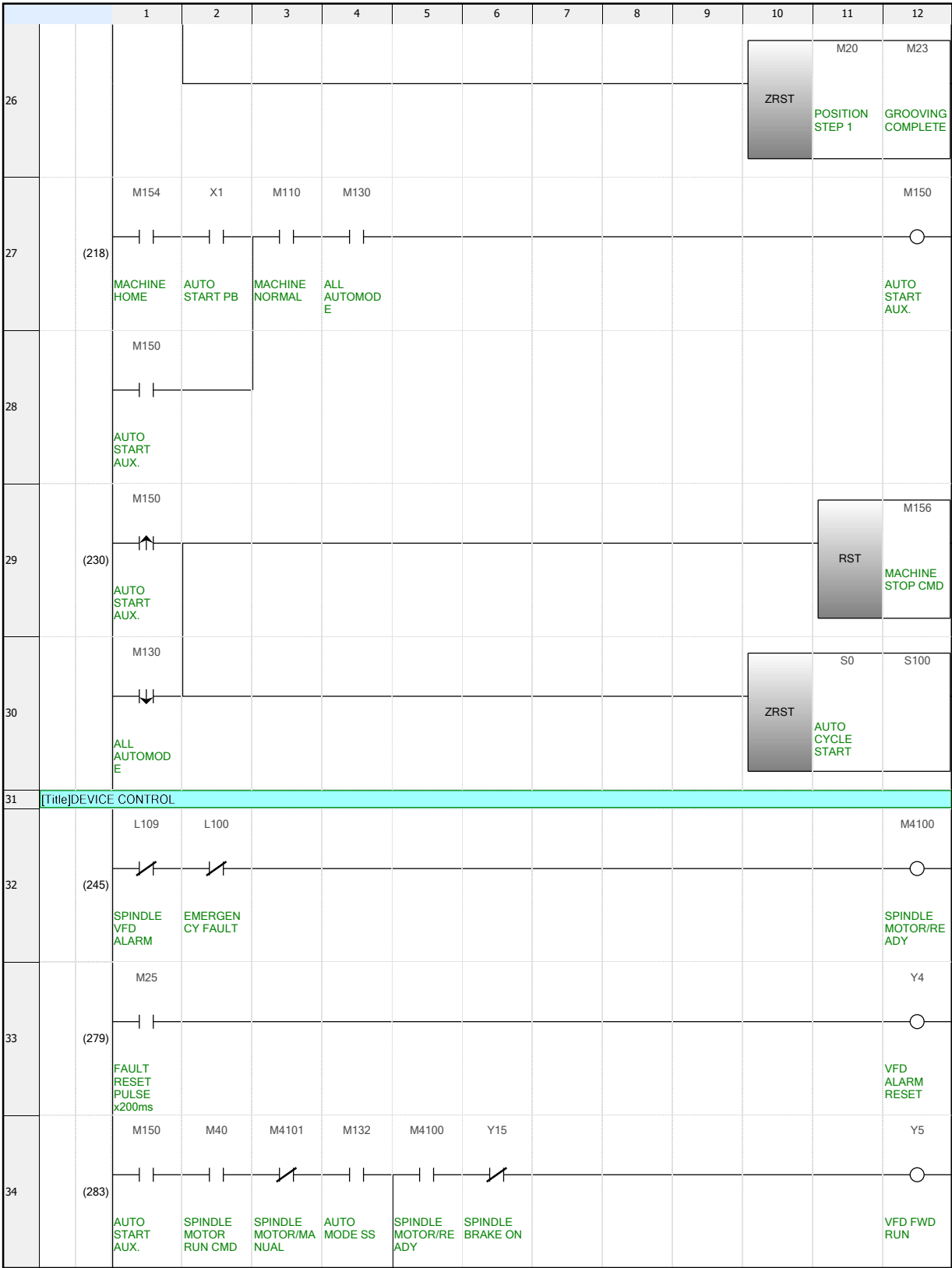


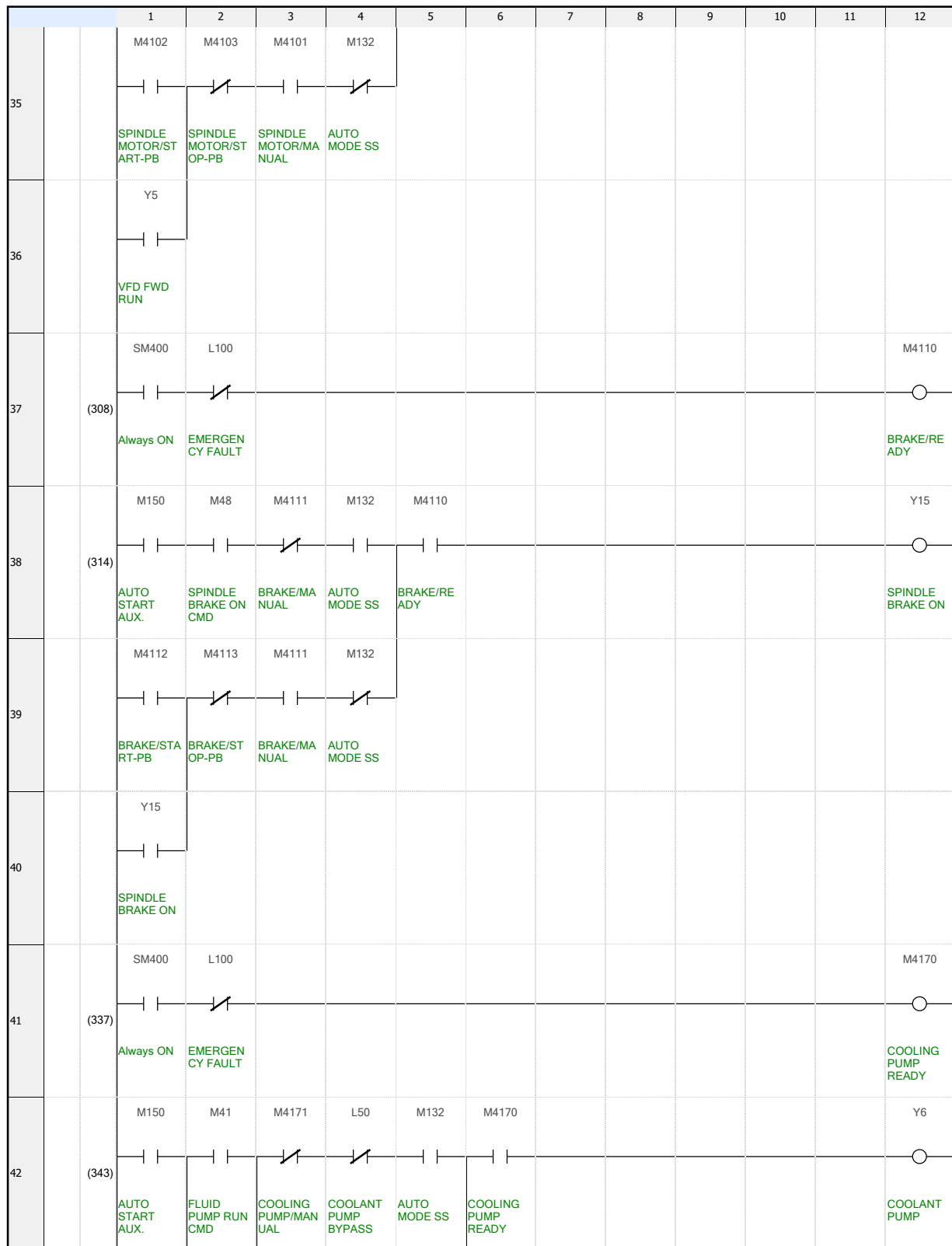


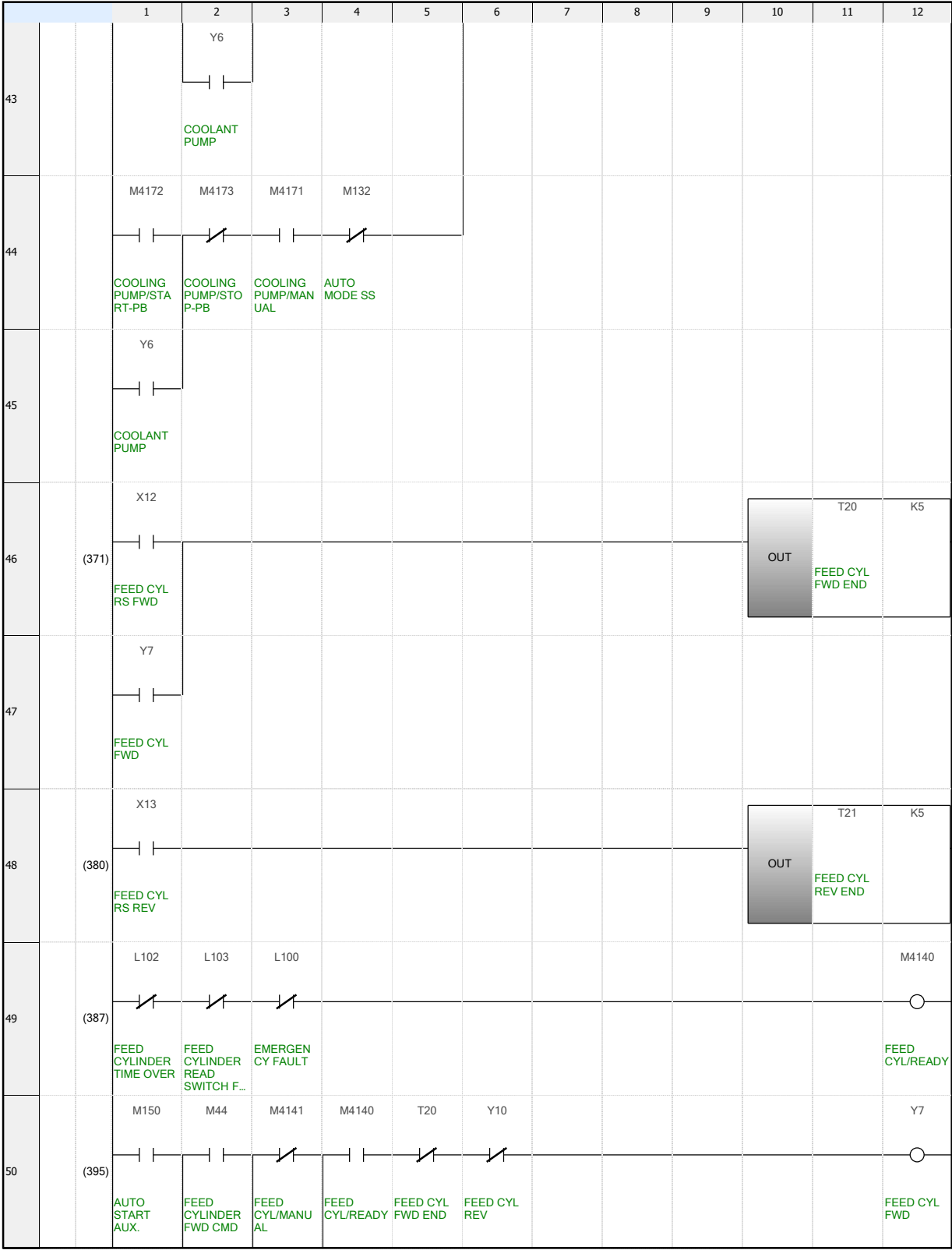


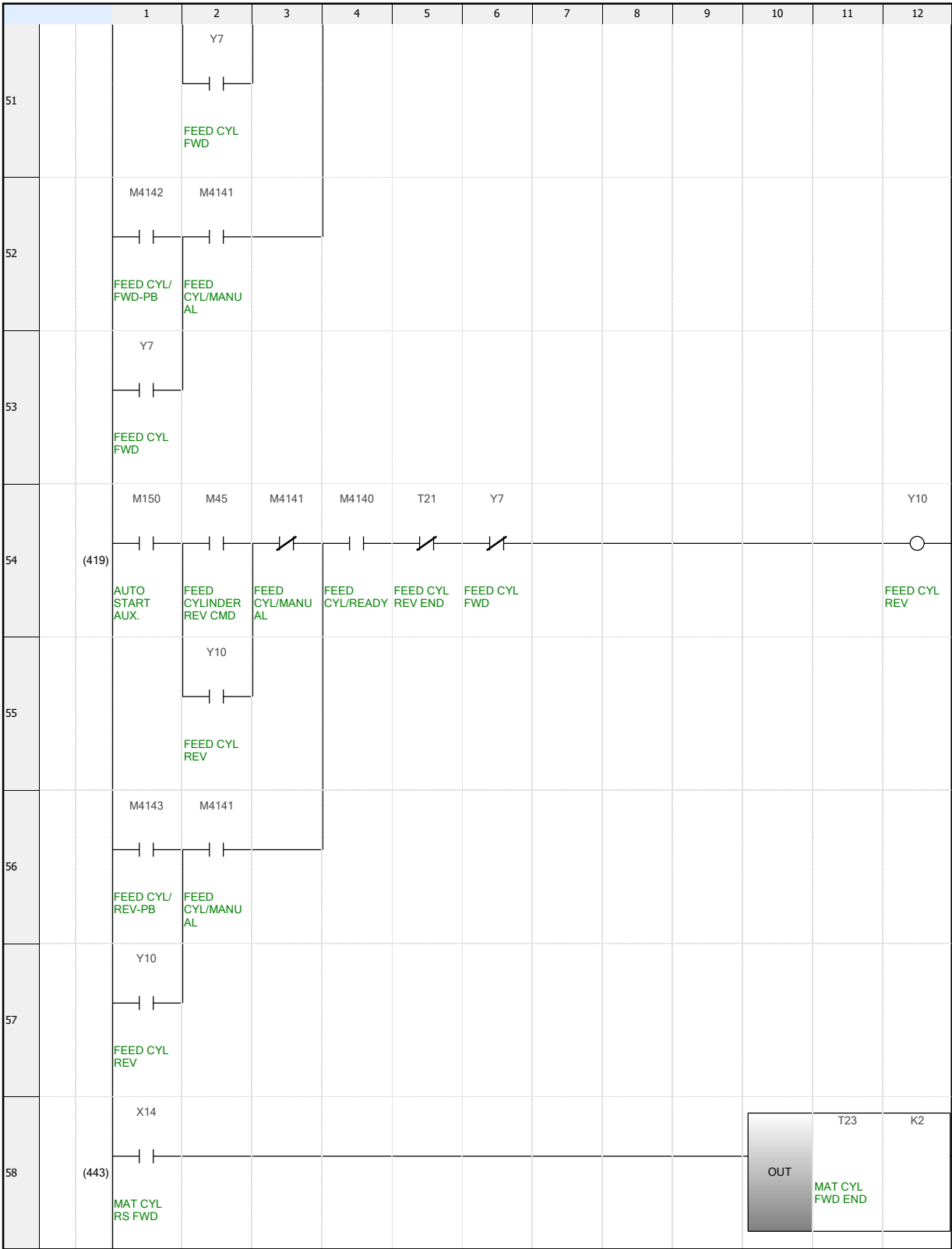


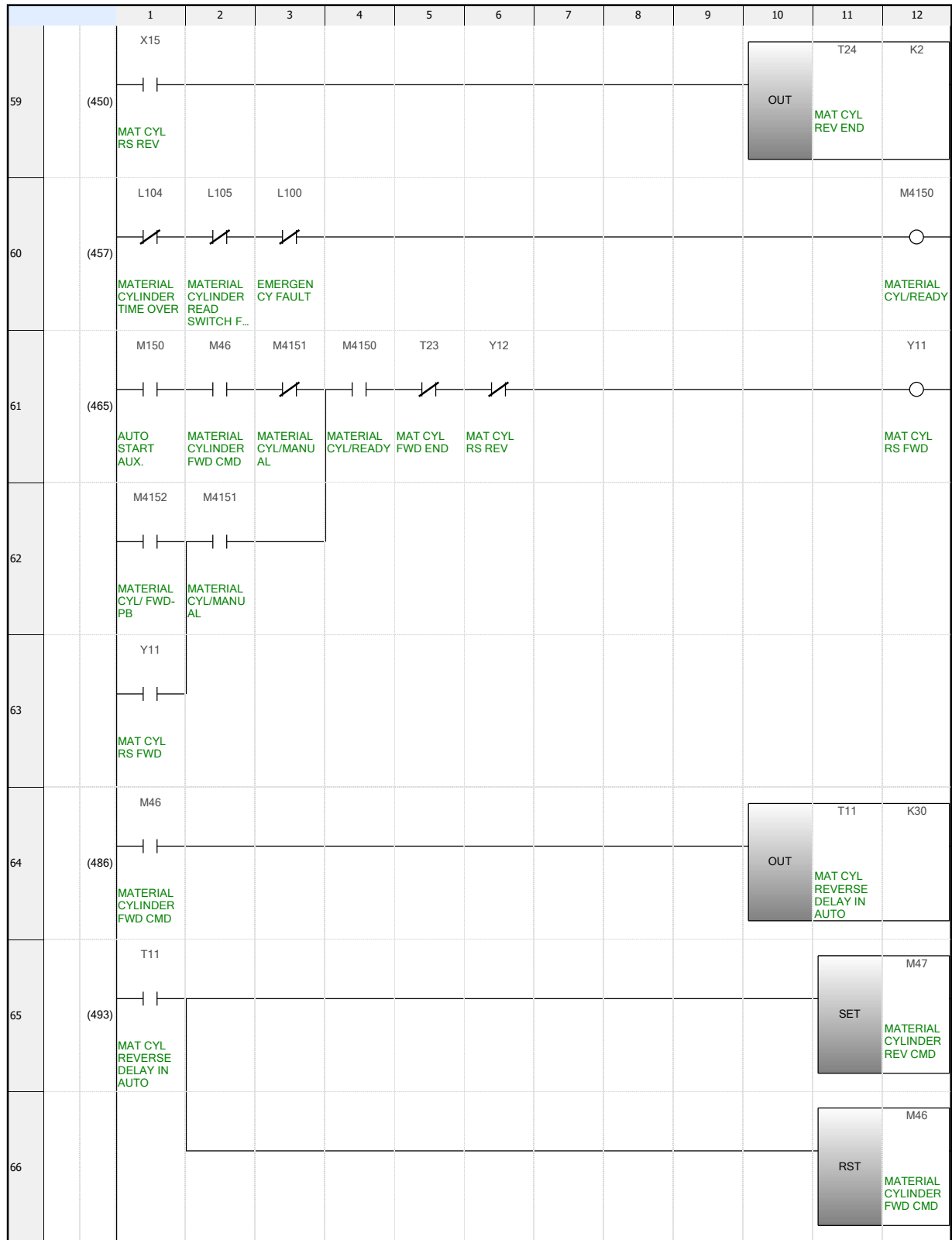


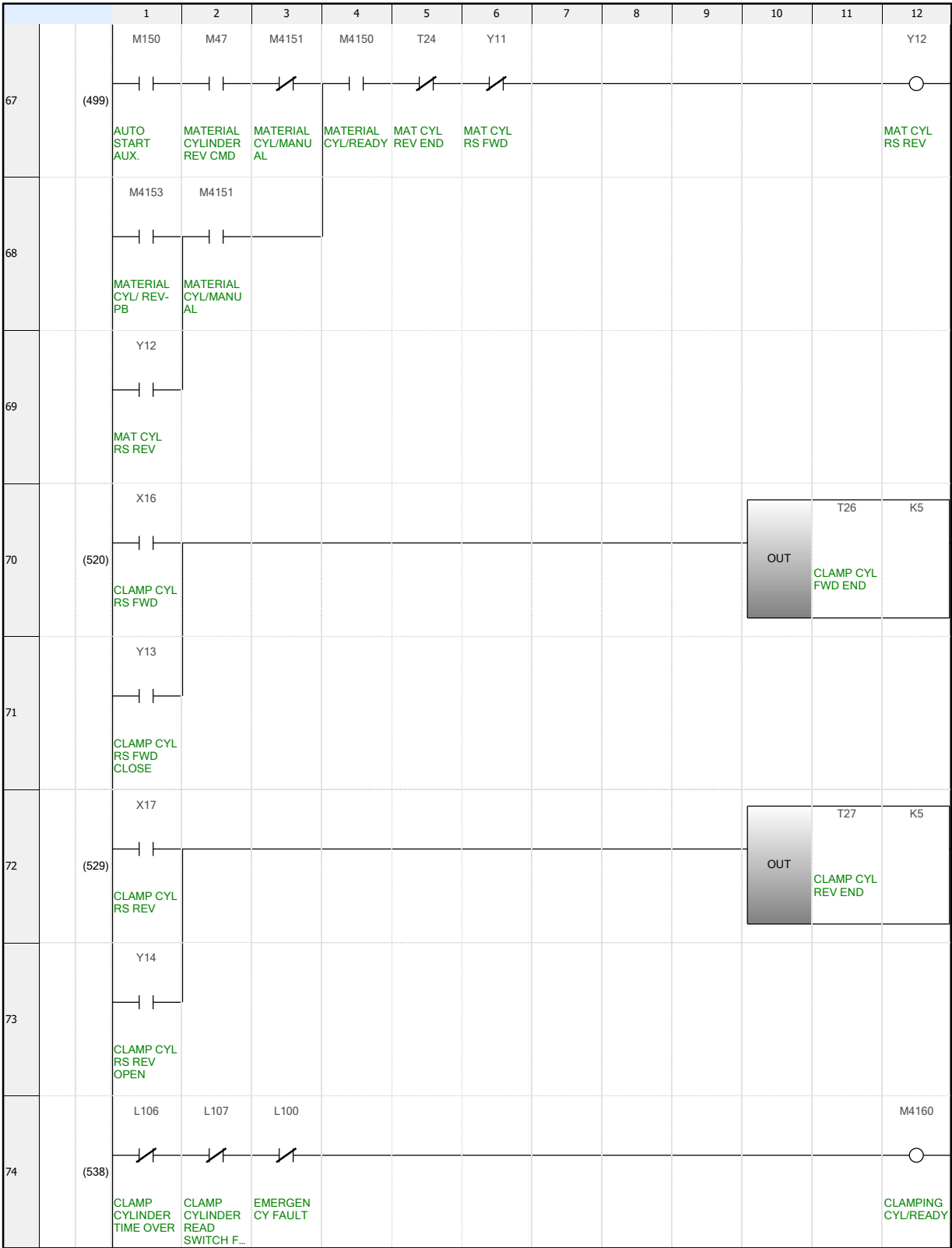


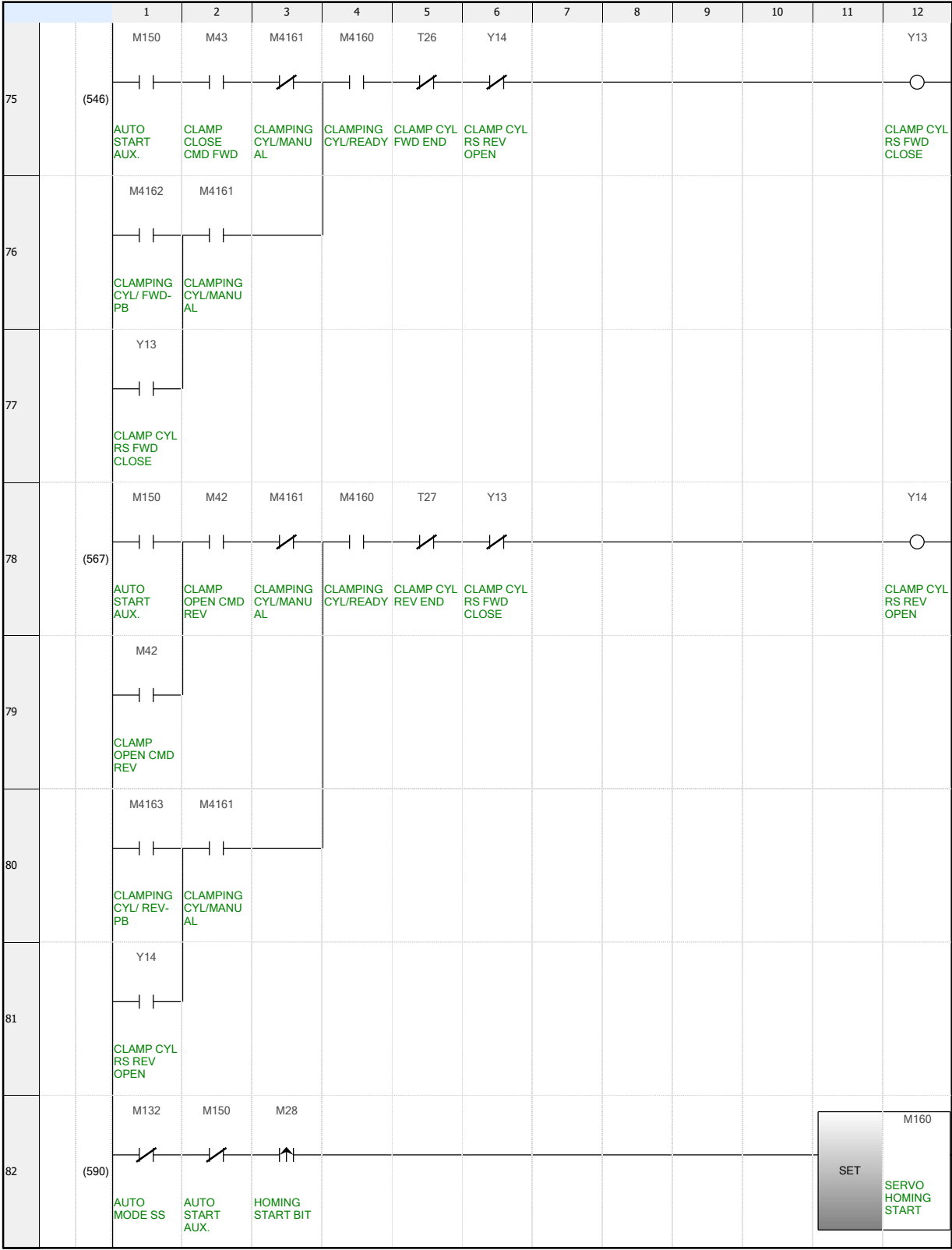


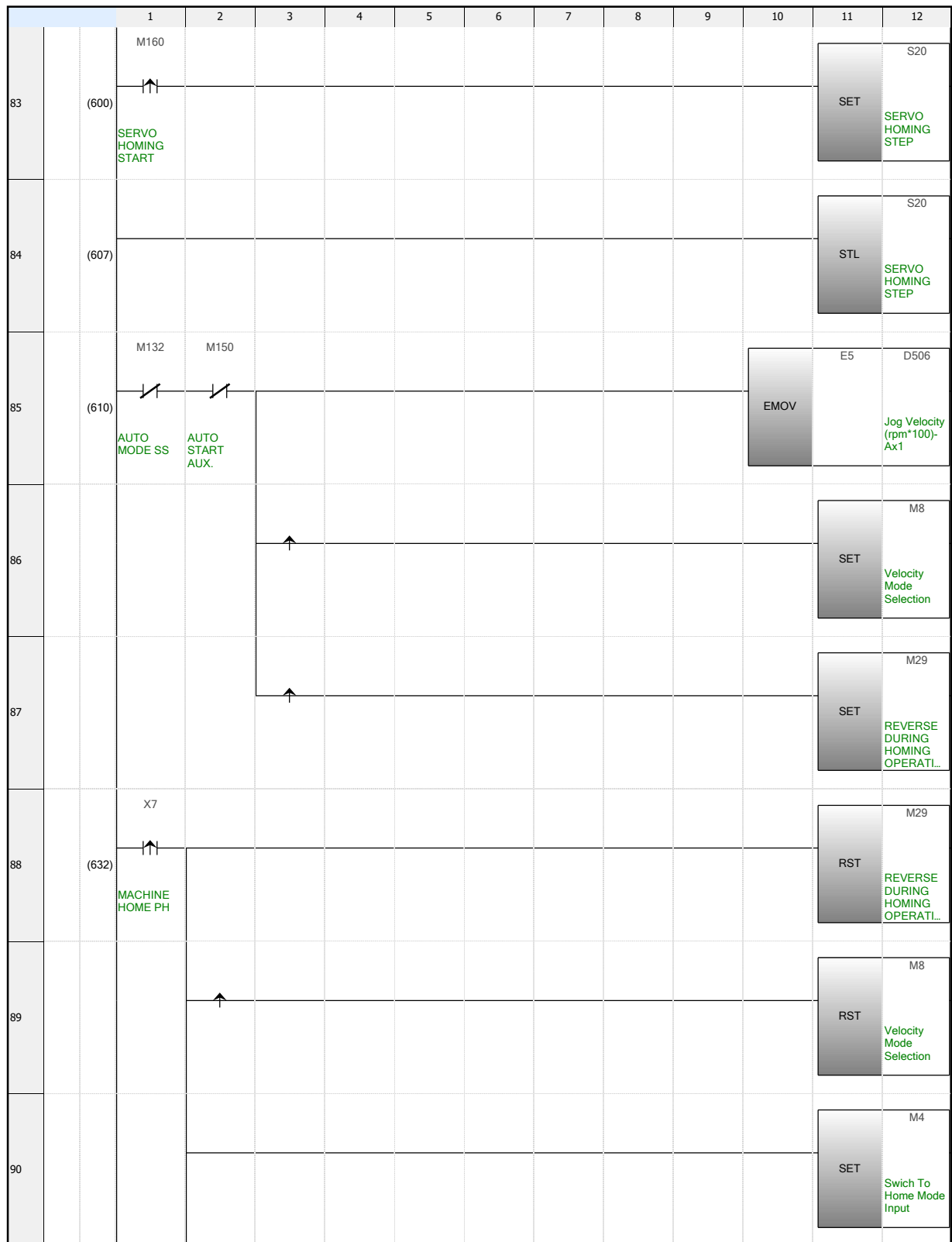


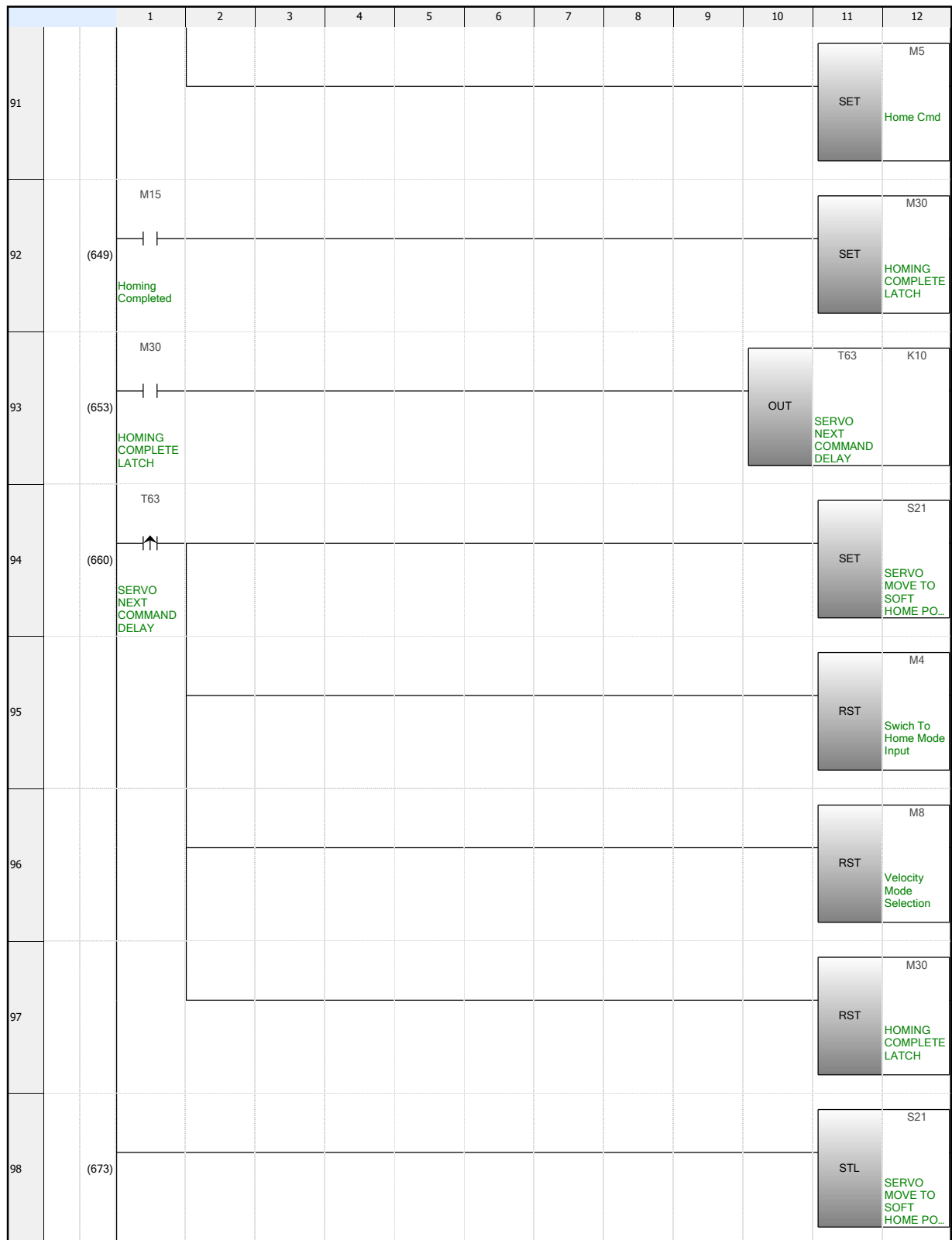


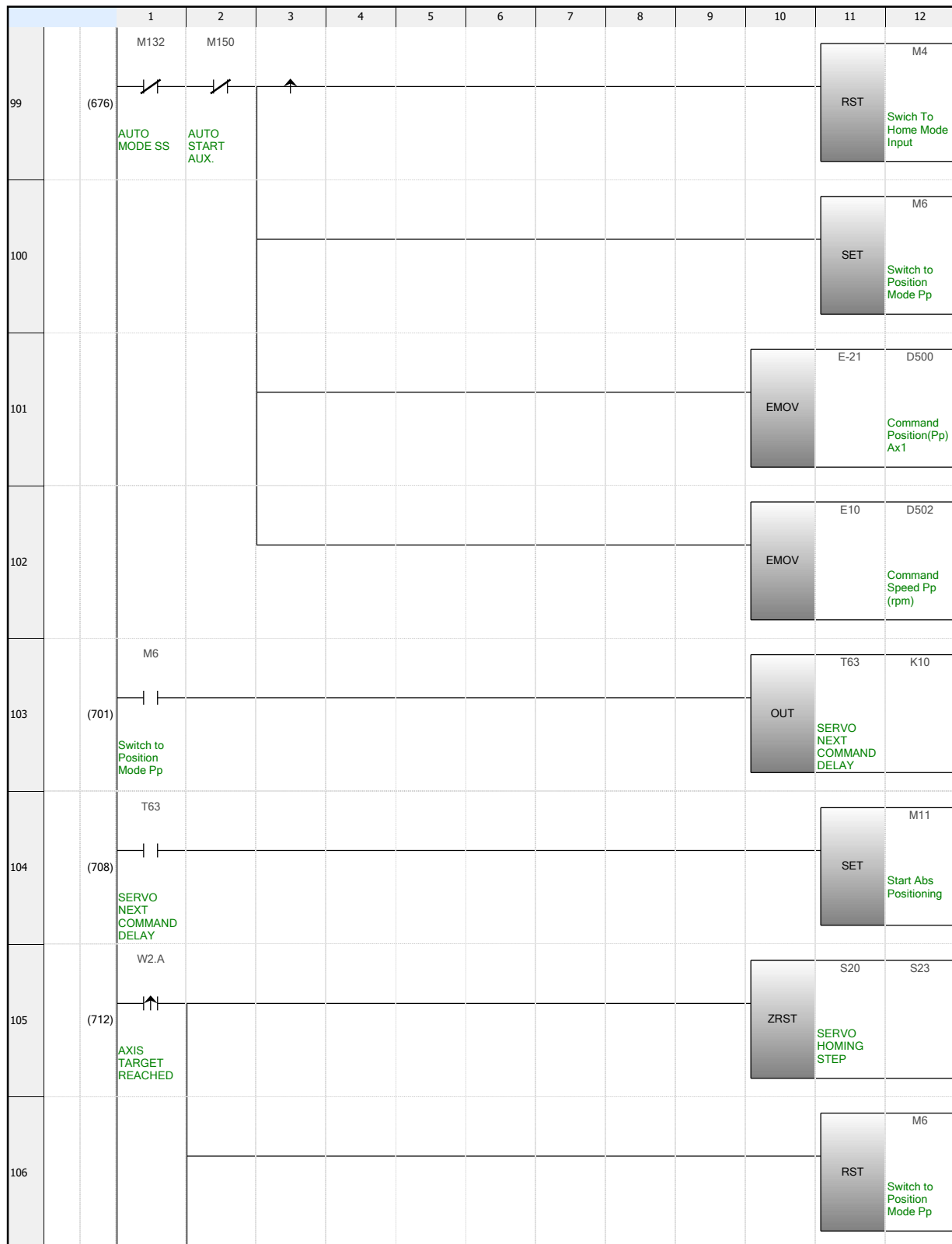






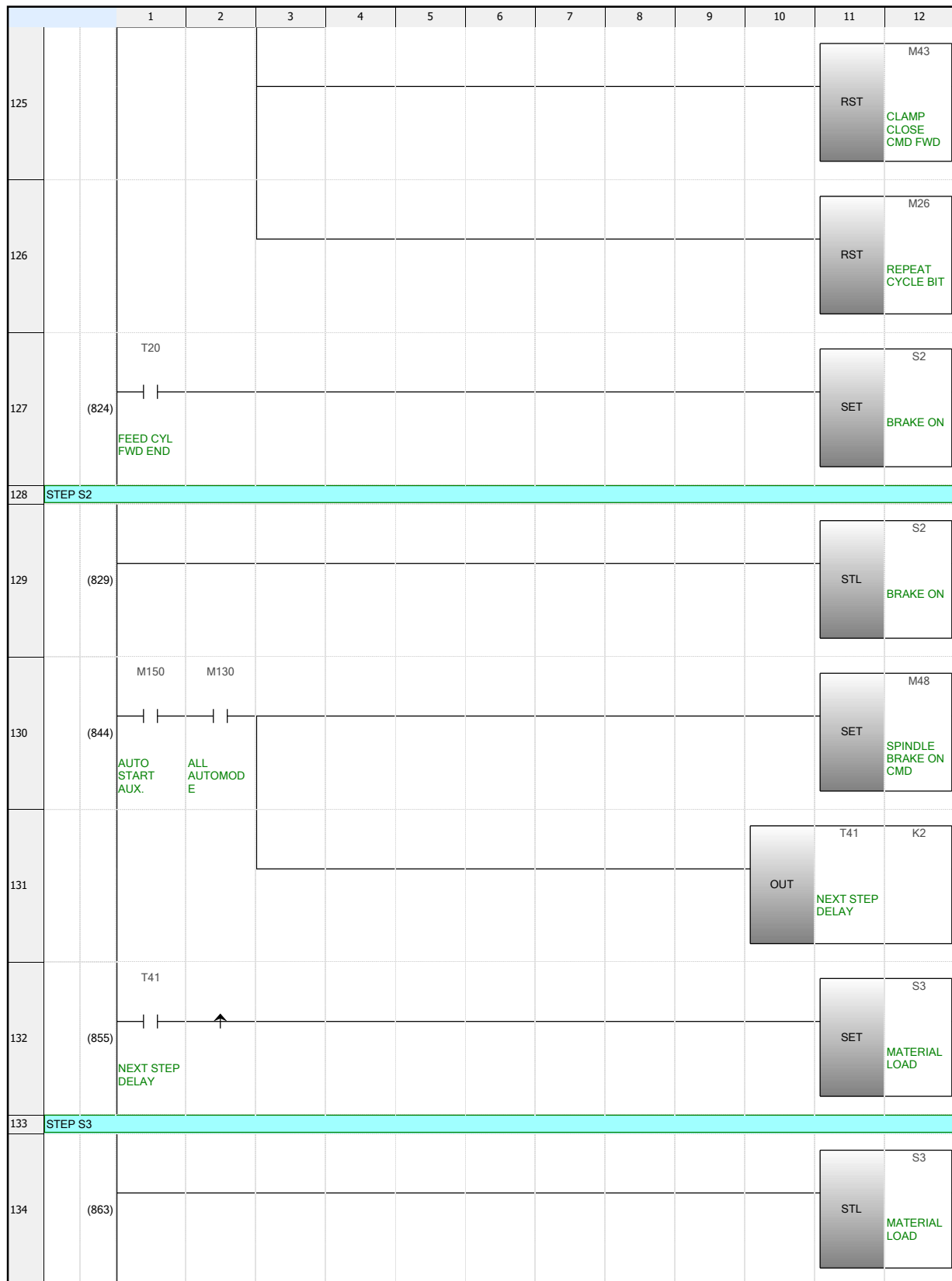


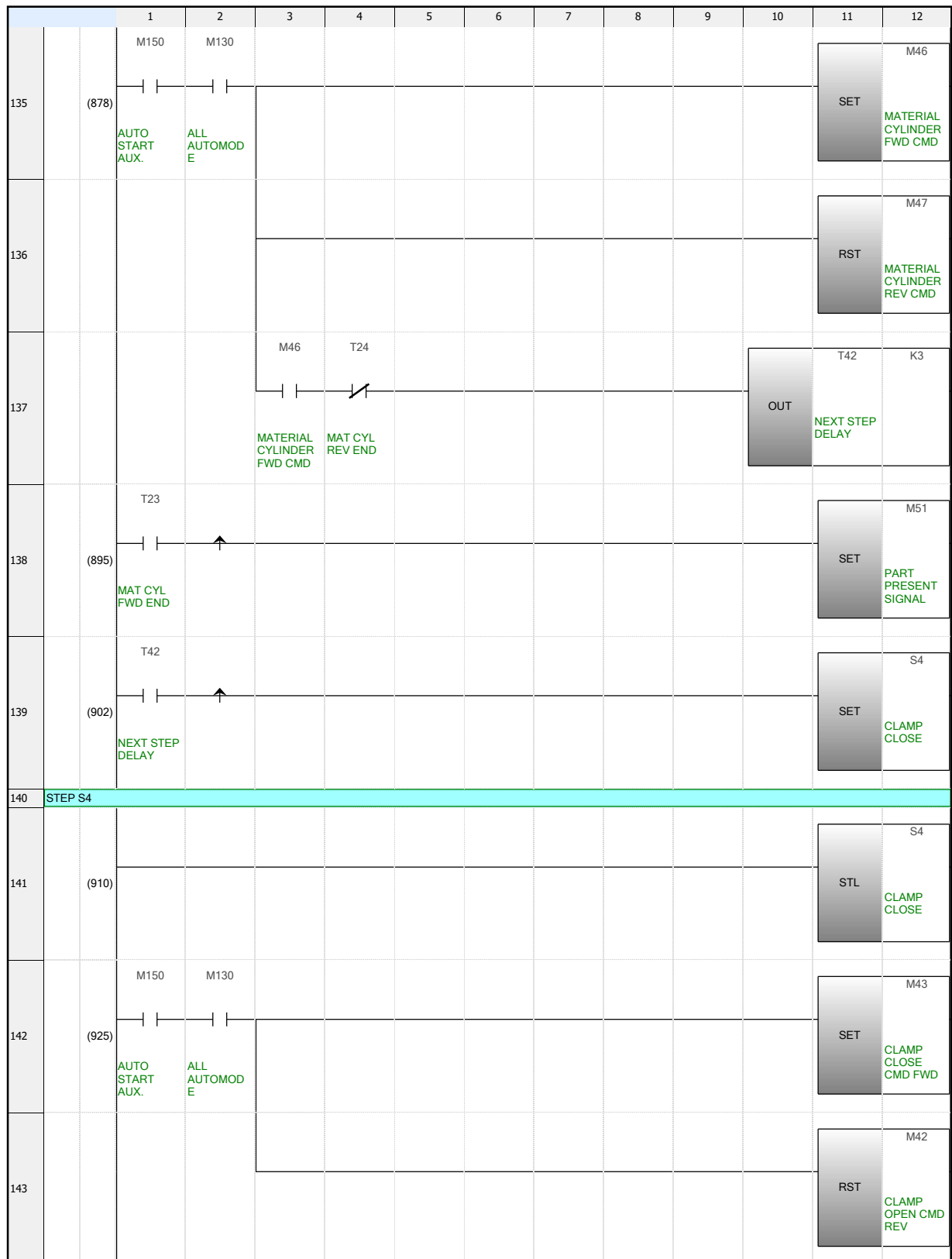




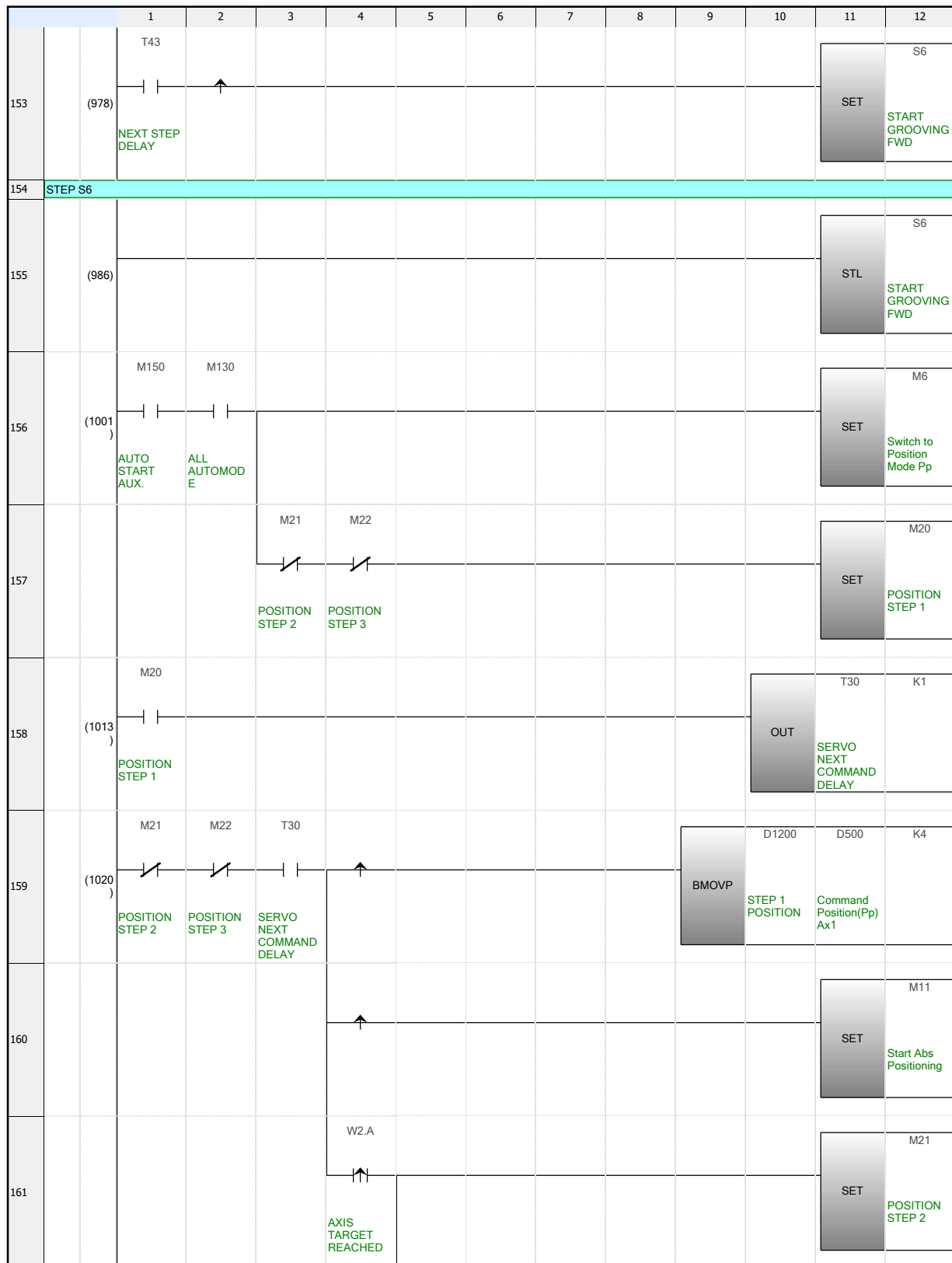
		1	2	3	4	5	6	7	8	9	10	11	12
107												SET	M8 Velocity Mode Selection
108												RST	M160 SERVO HOMING START
109	(727)												RETSTL
110	[Title]AUTO STEPS												
111	(728)	SM400 Always ON	M150 AUTO START AUX.										Y17 PANEL EXHAUST FAN
112	(757)	M130 ALL AUTOMOD E	M150 AUTO START AUX.									SET	S0 AUTO CYCLE START
113	(766)											STL	S0 AUTO CYCLE START
114	(769)	SM400 Always ON										ZRST	M43 CLAMP CLOSE CMD FWD M52 PART PRESENT BYPASS
115	(775)	M150 AUTO START AUX.	M130 ALL AUTOMOD E									SET	M40 SPINDLE MOTOR RUN CMD

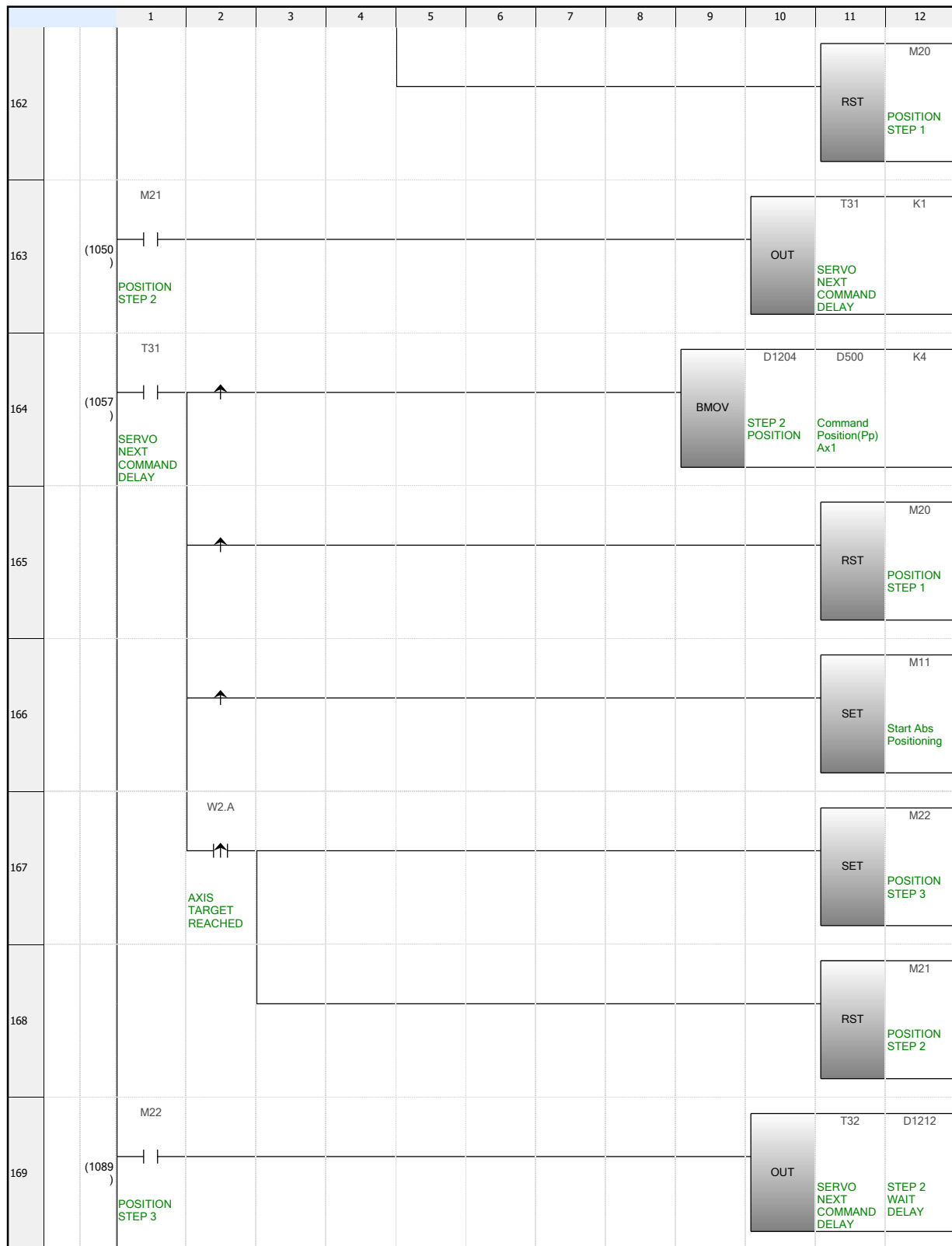
		1	2	3	4	5	6	7	8	9	10	11	12
116												SET	M48 SPINDLE BRAKE ON CMD
117												SET	M41 FLUID PUMP RUN CMD
118											OUT	T40 NEXT STEP DELAY	K1
119		T40 (790)										SET	S1 FEED CYL FWD
120	STEP S1												
121		(795)										STL	S1 FEED CYL FWD
122		M130 (810)	M150									SET	M44 FEED CYLINDER FWD CMD
123												RST	M45 FEED CYLINDER REV CMD
124												SET	M42 CLAMP OPEN CMD REV





		1	2	3	4	5	6	7	8	9	10	11	12
144		T26 (933) CLAMP CYL FWD END										RST M46 MATERIAL CYLINDER FWD CMD	
145												SET M47 MATERIAL CYLINDER REV CMD	
146		T24 (939) MAT CYL REV END										SET M45 FEED CYLINDER REV CMD	
147												RST M44 FEED CYLINDER FWD CMD	
148		T26 (945) CLAMP CYL FWD END	T24 MAT CYL REV END									SET S5 BRAKE OFF	
149	STEP S5												
150		(952)										STL S5 BRAKE OFF	
151		M150 (967) AUTO START AUX.	M130 ALL AUTOMOD E									RST M48 SPINDLE BRAKE ON CMD	
152											OUT T43 NEXT STEP DELAY	K2	





		1	2	3	4	5	6	7	8	9	10	11	12
170	(1096)	T32 SERVO NEXT COMMAND DELAY	↑							BMOV	D1208 STEP 3 POSITION	D500 Command Position(Pp) Ax1	K4
171												SET	M48 SPINDLE BRAKE ON CMD
172			↑									RST	M20 POSITION STEP 1
173			↑									SET	M11 Start Abs Positioning
174		W2.A ↑↑ AXIS TARGET REACHED										SET	M23 GROOVING COMPLETE
175												RST	M22 POSITION STEP 3
176	(1130)	M23 GROOVING COMPLETE										SET	S7 GROOVING COMPLETE
177	STEP S7												
178	(1135)											STL	S7 GROOVING COMPLETE

		1	2	3	4	5	6	7	8	9	10	11	12
179	(1150)	SM400 Always ON									ZRST	M20 POSITION STEP 1	M23 GROOVING COMPLETE
180	(1156)	SM400 Always ON									OUT	T61 NEXT STEP DELAY	K0
181	(1163)	T61 NEXT STEP DELAY										SET	S8 CLAMP OPEN
182	STEP S8												
183	(1168)											STL	S8 CLAMP OPEN
184	(1183)	M150 AUTO START AUX.	M130 ALL AUTOMOD E									RST	M43 CLAMP CLOSE CMD FWD
185												SET	M42 CLAMP OPEN CMD REV
186	(1191)	M51 PART PRESENT SIGNAL										DINCP	D250 PART COUNT ACTUAL
187	(1196)	SM400 Always ON										INCP	D252 PART COUNT/MI NUTE

