

RSLogix Micro Project Report



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Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: PROC1

Total Memory Used: 813 Instruction Words Used - 129 Data Table Words Used

Total Memory Left: 5843 Instruction Words Left

Program Files: 13

Data Files: 11

Program ID: 5e34

I/O Configuration

0	Bul.1763	MicroLogix 1100 Series B
1		
2		
3		
4		

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout: 60
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character: \d
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character: \a

Source ID: 1 (decimal)

Baud: 19200

Parity: NONE

Control Line : No Handshaking

Error Detection: CRC

Embedded Responses: Auto Detect

Duplicate Packet Detect: Yes

ACK Timeout(x20 ms): 50

NAK Retries: 3

ENQ Retries: 3

CHANNEL 1 (SYSTEM) - Driver: Ethernet

CHANNEL 1 (SYSTEM) - Driver: Ethernet Edit Resource/Owner Timeout: 60
CHANNEL 1 (SYSTEM) - Driver: Ethernet Passthru Link ID: 1
CHANNEL 1 (SYSTEM) - Driver: Ethernet Write Protected: No
CHANNEL 1 (SYSTEM) - Driver: Ethernet Comms Servicing Selection: Yes
CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection: Yes

Hardware Address: 00:00:00:00:00:00

IP Address: 0.0.0.0

Subnet Mask: 0.0.0.0

Gateway Address: 0.0.0.0

Msg Connection Timeout (x 1mS): 15000

Msg Reply Timeout (x mS): 3000

Inactivity Timeout (x Min): 30

Bootp Enable: Yes

Dhcp Enable No

SNMP Enable: No

HTTP Enable: Yes

Auto Negotiate Enable: Yes

Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex

Contact:

Location:

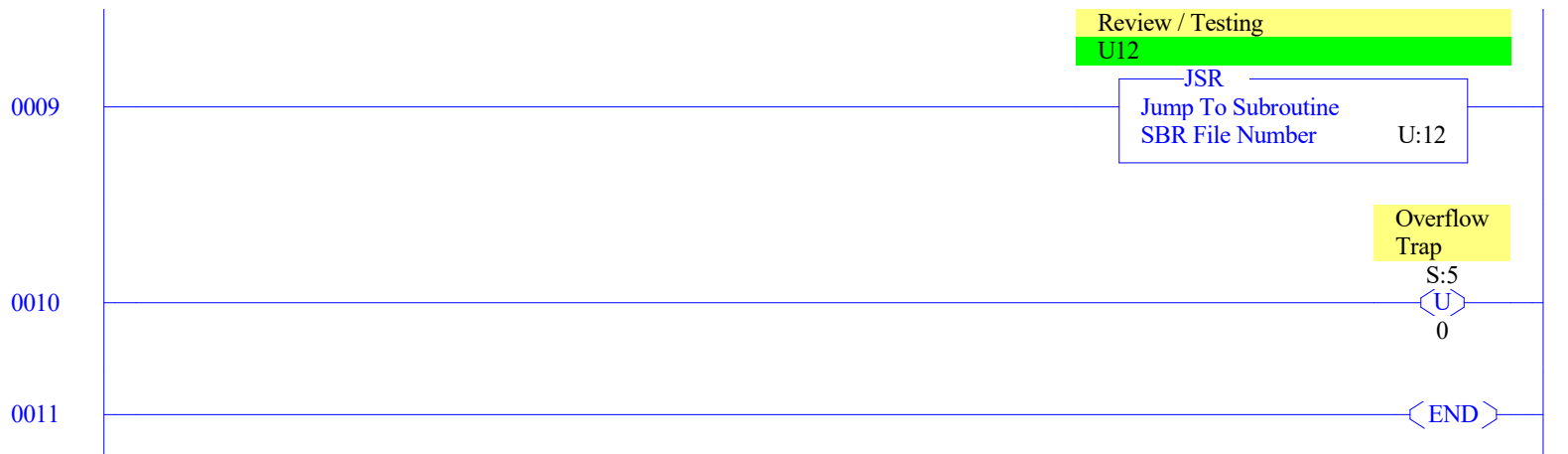
Program File List

Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	12	No	102
IO	3	LADDER	13	No	468
ALARMS	4	LADDER	18	No	576
CONTROL	5	LADDER	8	No	325
HOA	6	LADDER	23	No	803
SIMULATION	7	LADDER	7	No	476
MODE	8	LADDER	4	No	112
FILTERWASH	9	LADDER	16	No	455
LEVEL	10	LADDER	5	No	113
HOURLMETER	11	LADDER	8	No	323
REVIEW	12	LADDER	7	No	466

Data File List

Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	12	4	O:3
INPUT	1	I	Global	No	18	6	I:5
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	7	7	B3:6
TIMER	4	T	Global	No	45	15	T4:14
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	13	13	N7:12
FLOAT	8	F	Global	No	24	12	F8:11
DIGITAL IO	9	B	Global	No	1	1	B9:0
ANALOG IO	10	N	Global	No	3	3	N10:2







0008

Pressure Transmitter
PT-1 (0-20 psi)
Scaled Value
PT1_SV

SCP	
Scale w/Parameters	
Input	N10:0
	0<
Input Min.	0.0
	0.0<
Input Max.	16383.0
	16383.0<
Scaled Min.	0.0
	0.0<
Scaled Max.	20.0
	20.0<
Output	F8:0
	0.0<

Pressure Transmitter
PT1 (0-20) psi In

LES	
Less Than (A<B)	
Source A	N10:0
	0<
Source B	0
	0<

Pressure Transmitter
PT-1 (0-20 psi)
Scaled Value
PT1_SV

MOV	
Move	
Source	0.0
	0.0<
Dest	F8:0
	0.0<

Pressure Transmitter
PT1 (0-20) psi In

GRT	
Greater Than (A>B)	
Source A	N10:0
	0<
Source B	16383
	16383<

Pressure Transmitter
PT-1 (0-20 psi)
Scaled Value
PT1_SV

MOV	
Move	
Source	20.0
	20.0<
Dest	F8:0
	0.0<

0009

Pressure Transmitter
PT-2 (0-20 psi)
Scaled Value
PT2_SV

SCP	
Scale w/Parameters	
Input	N10:1
	0<
Input Min.	0.0
	0.0<
Input Max.	16383.0
	16383.0<
Scaled Min.	0.0
	0.0<
Scaled Max.	20.0
	20.0<
Output	F8:1
	0.0<

Pressure Transmitter
PT2 (0-20) psi In

LES	
Less Than (A<B)	
Source A	N10:1
	0<
Source B	0
	0<

Pressure Transmitter
PT-2 (0-20 psi)
Scaled Value
PT2_SV

MOV	
Move	
Source	0.0
	0.0<
Dest	F8:1
	0.0<

Pressure Transmitter
PT2 (0-20) psi In

GRT	
Greater Than (A>B)	
Source A	N10:1
	0<
Source B	16383
	16383<

Pressure Transmitter
PT-2 (0-20 psi)
Scaled Value
PT2_SV

MOV	
Move	
Source	20.0
	20.0<
Dest	F8:1
	0.0<

0010

Preliminary
Differential
Pressure

SUB	
Subtract	
Source A	F8:0
	0.0<
Source B	F8:1
	0.0<
Dest	F8:11
	0.0<

Differential
Pressure

ABS	
Absolute Value	
Source	F8:11
	0.0<
Dest	F8:3
	0.0<

0011

Water level
transmitter
LT-1 (0-100)%
Scaled Value
LT1_SV

SCP

Scale w/Parameters

Input	N10:2
	0<
Input Min.	0.0
	0.0<
Input Max.	16383.0
	16383.0<
Scaled Min.	0.0
	0.0<
Scaled Max.	100.0
	100.0<
Output	F8:2
	0.0<

Water level
transmitter
LT-1 (0-100)%
Scaled Value
LT1_SV

Level Transmitter
LT1 (0-100)% In

LES

Less Than (A<B)

Source A	N10:2
	0<
Source B	0
	0<

MOV

Move

Source	0.0
	0.0<
Dest	F8:2
	0.0<

Level Transmitter
LT1 (0-100)% In

GRT

Greater Than (A>B)

Source A	N10:2
	0<
Source B	16383
	16383<

MOV

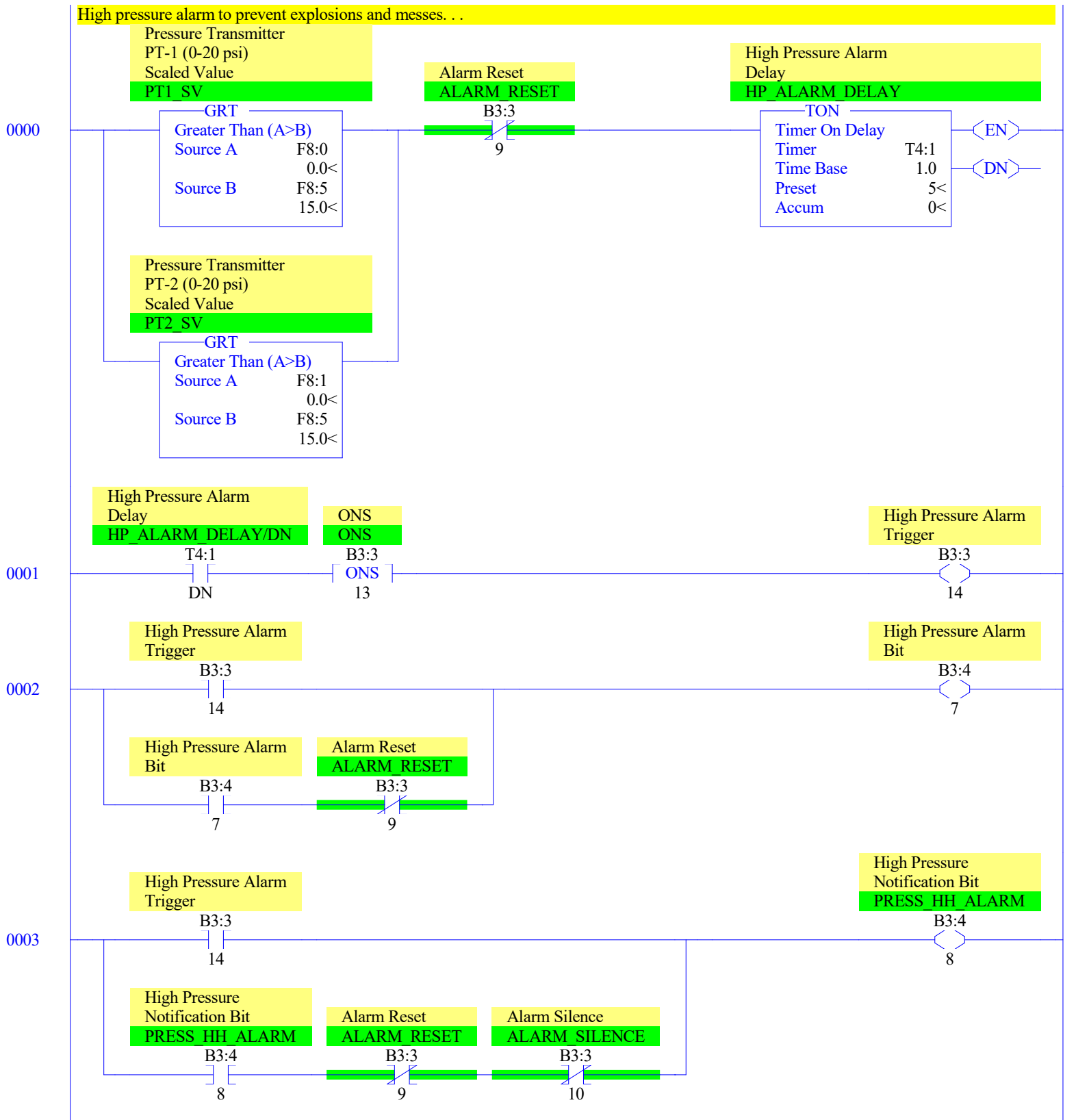
Move

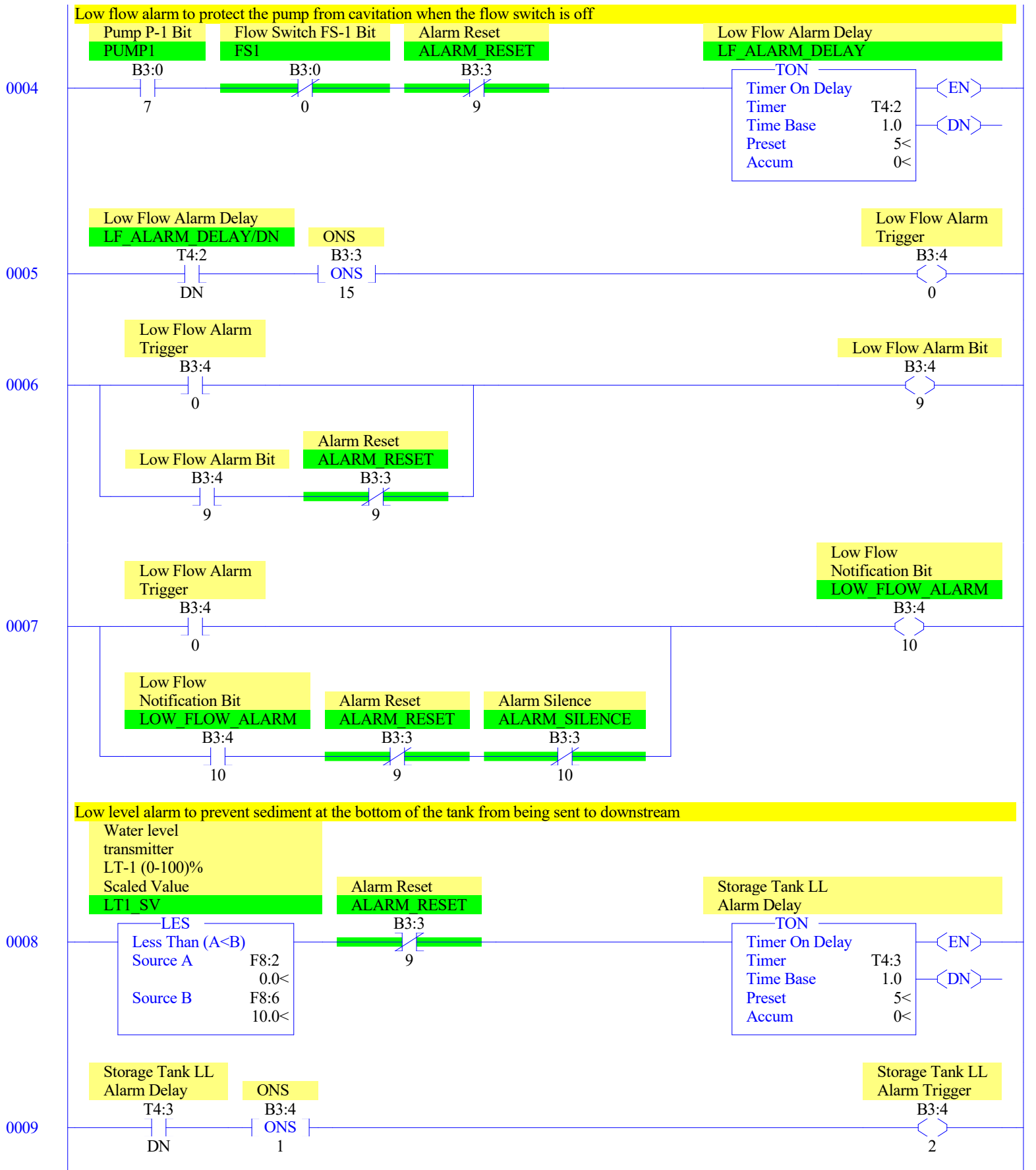
Source	100.0
	100.0<
Dest	F8:2
	0.0<

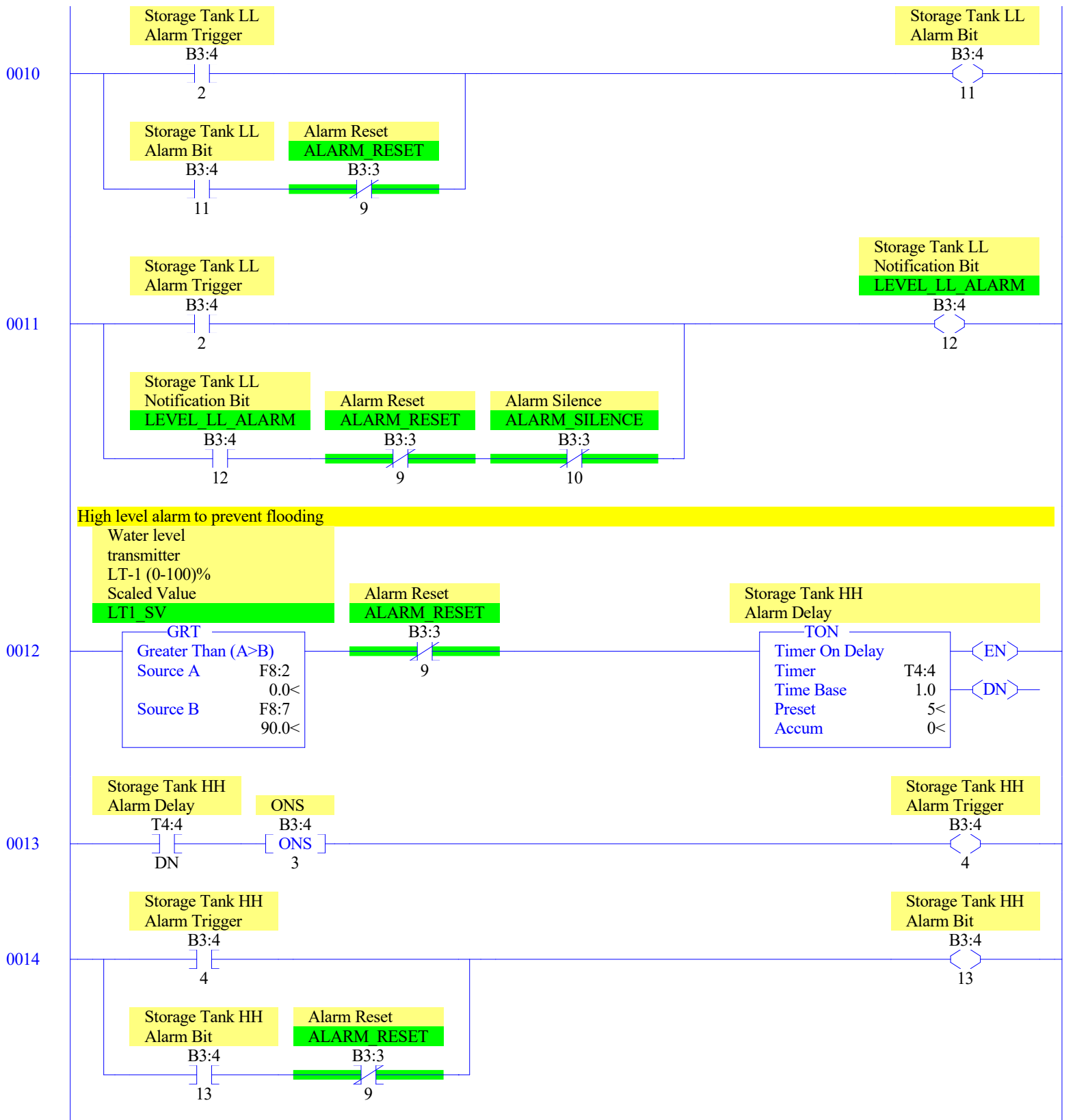
Water level
transmitter
LT-1 (0-100)%
Scaled Value
LT1_SV

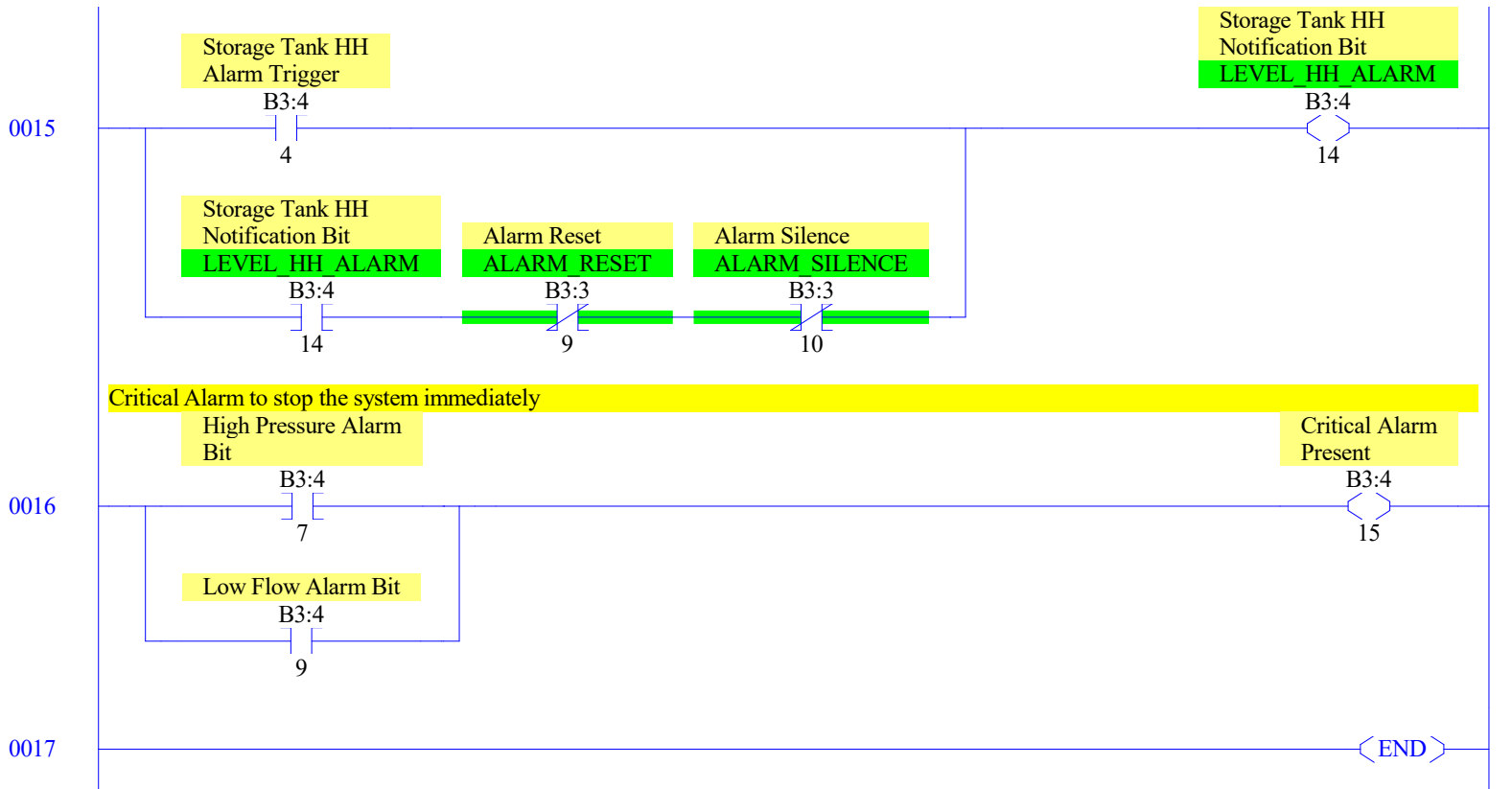
0012

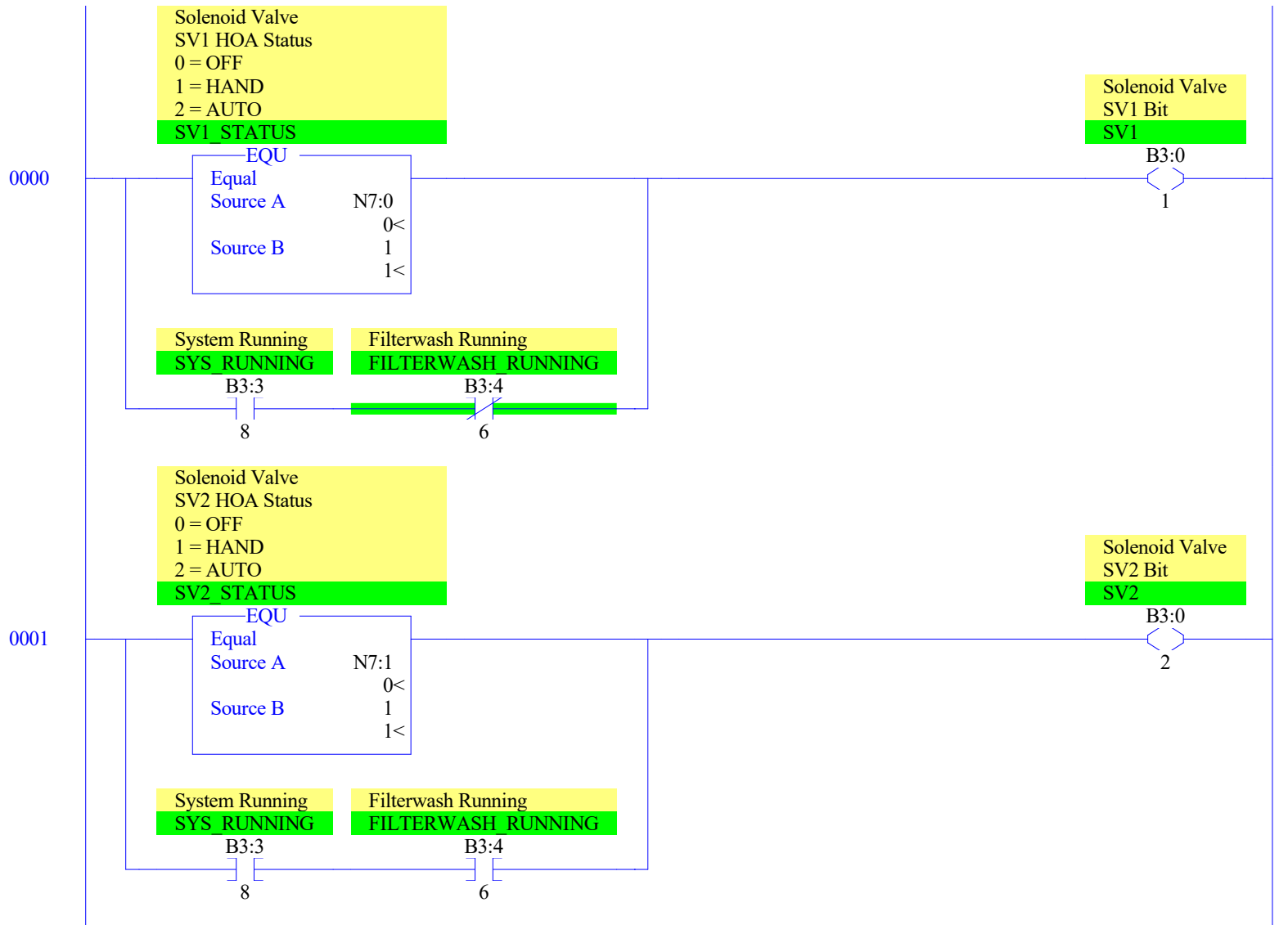
END











0002

Solenoid Valve
SV3 HOA Status
0 = OFF
1 = HAND
2 = AUTO
SV3 STATUS

EQU
Equal
Source A N7:2
0<
1
Source B 1<

Solenoid Valve
SV3 Bit
SV3

B3:0
3

Solenoid Valve
SV3 HOA Status
0 = OFF
1 = HAND
2 = AUTO
SV3 STATUS

Filterwash Running
FILTERWASH_RUNNING

EQU
Equal
Source A N7:2
0<
2
Source B 2<

B3:4
6

Solenoid Valve
SV4 HOA Status
0 = OFF
1 = HAND
2 = AUTO
SV4 STATUS

Solenoid Valve
SV4 Bit
SV4

B3:0
4

0003

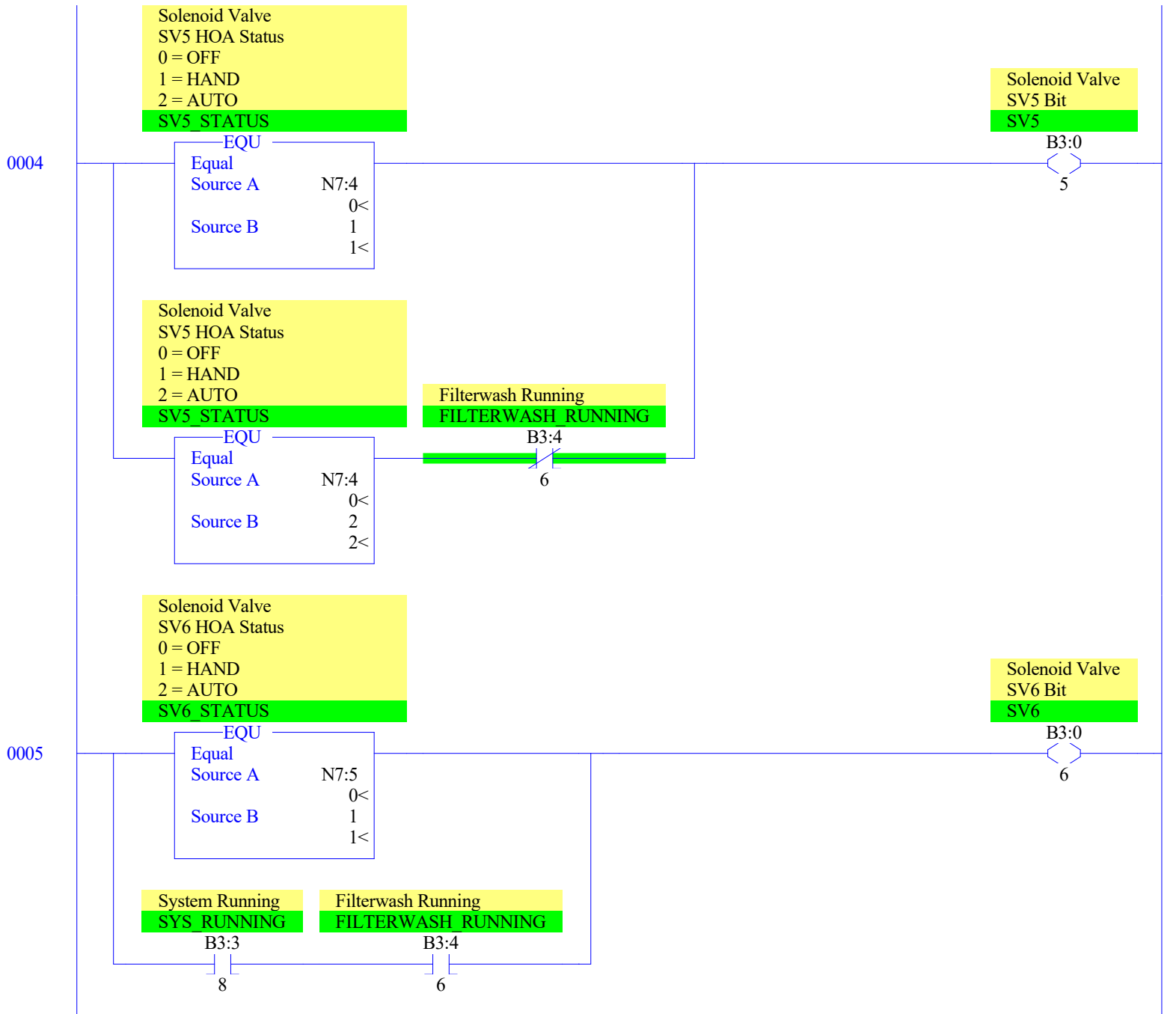
EQU
Equal
Source A N7:3
0<
1
Source B 1<

System Running
SYS_RUNNING

B3:3
8

Filterwash Running
FILTERWASH_RUNNING

B3:4
6



0006

Pump P1 HOA Status

0 = OFF

1 = HAND

2 = AUTO

P1 STATUS

EQU

Equal

Source A

N7:6

0<

1

Source B

1<

Pump P-1 Bit

PUMP1

B3:0

7

System Running

SYS_RUNNING

B3:3

8

Tank Filling

B3:5

4

System Running

SYS_RUNNING

B3:3

8

Filterwash Running

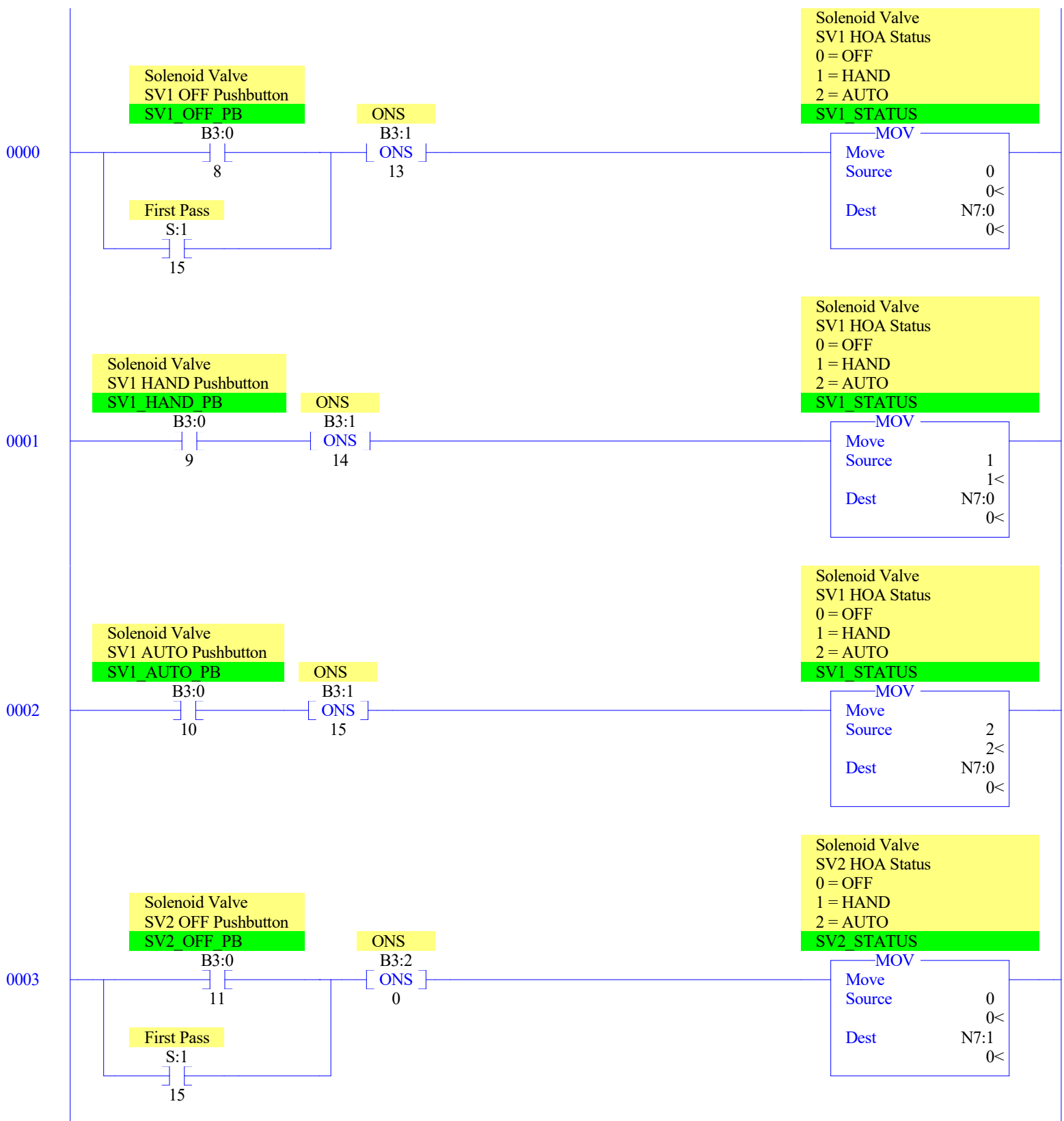
FILTERWASH_RUNNING

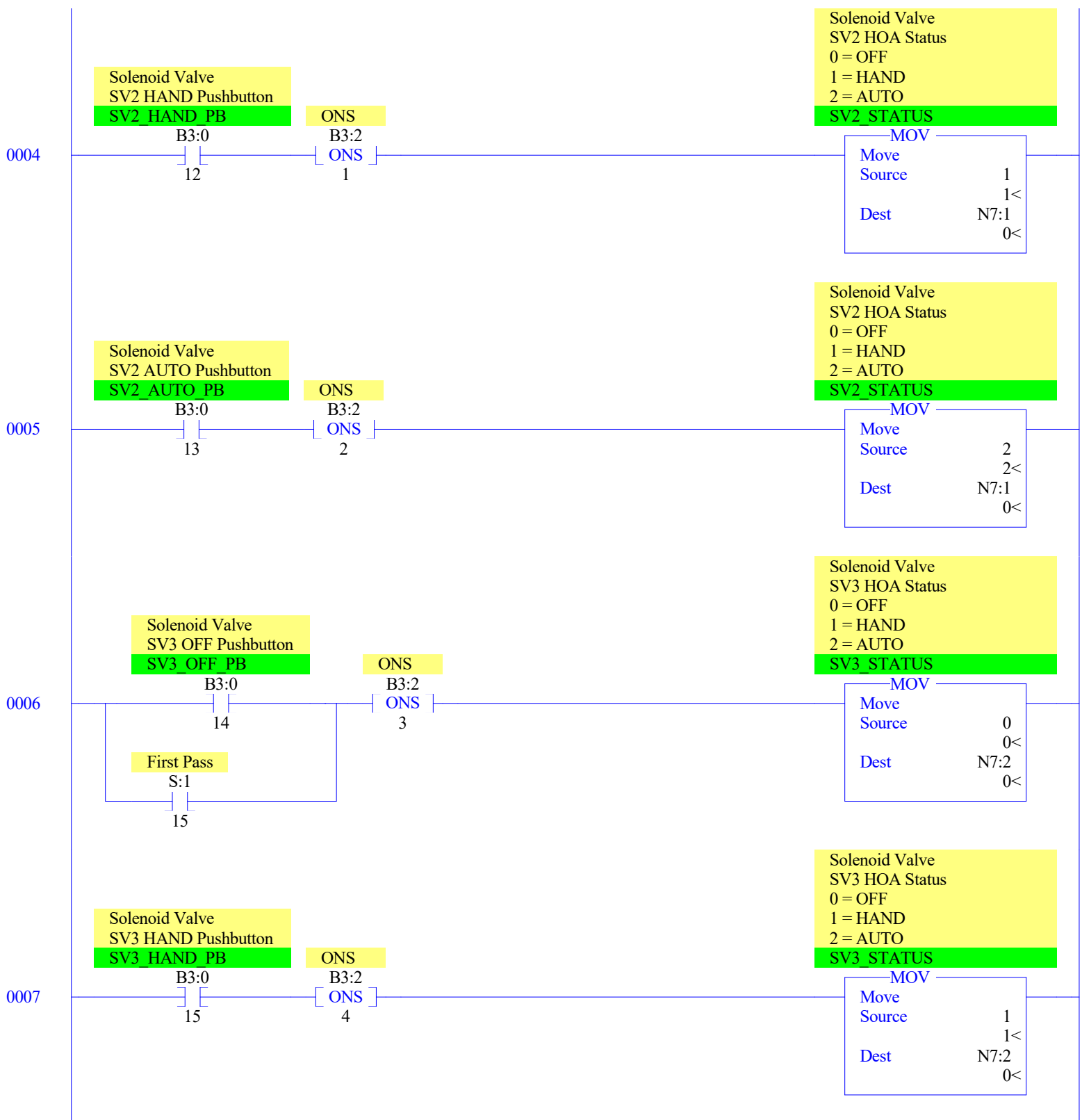
B3:4

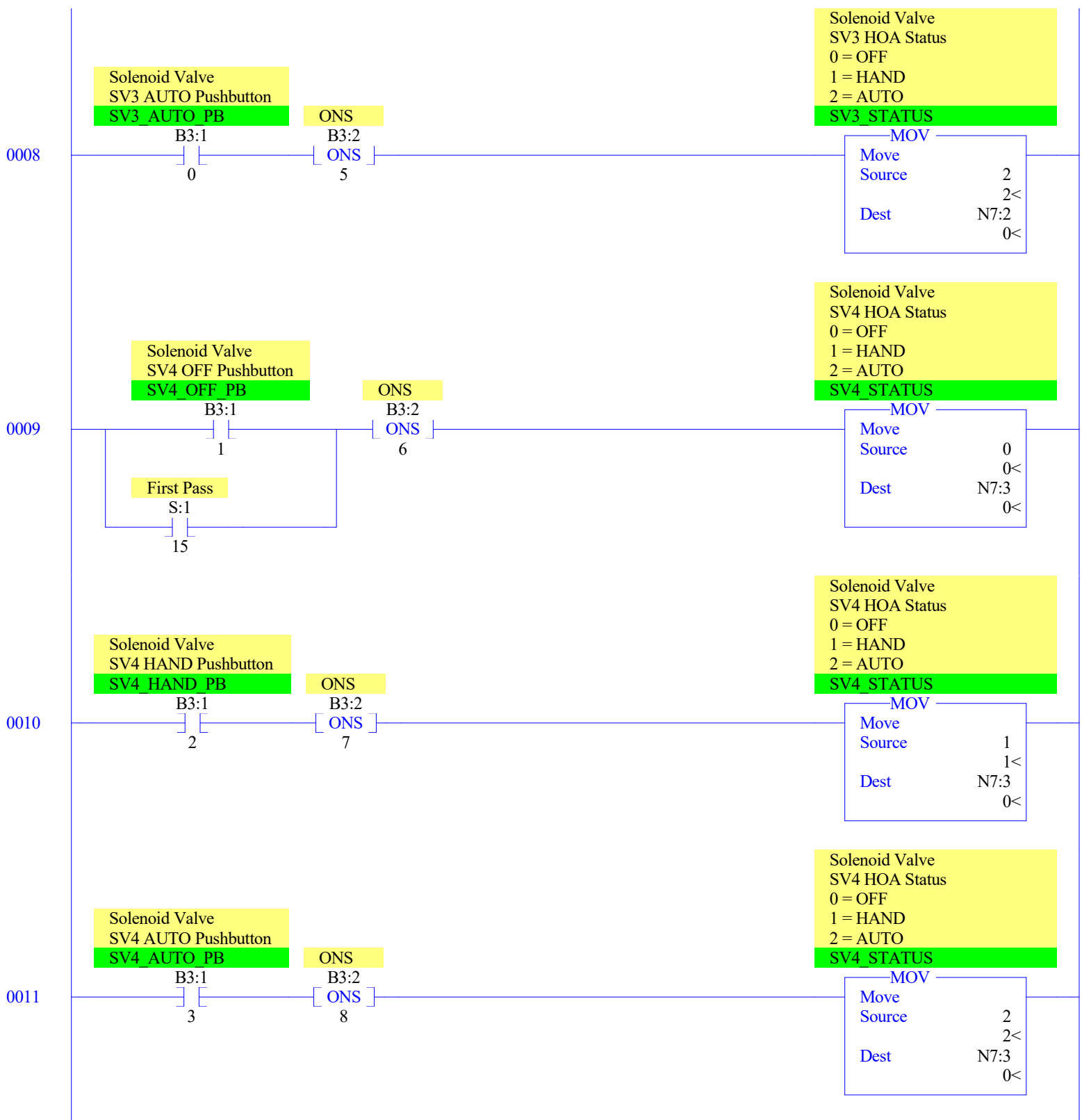
6

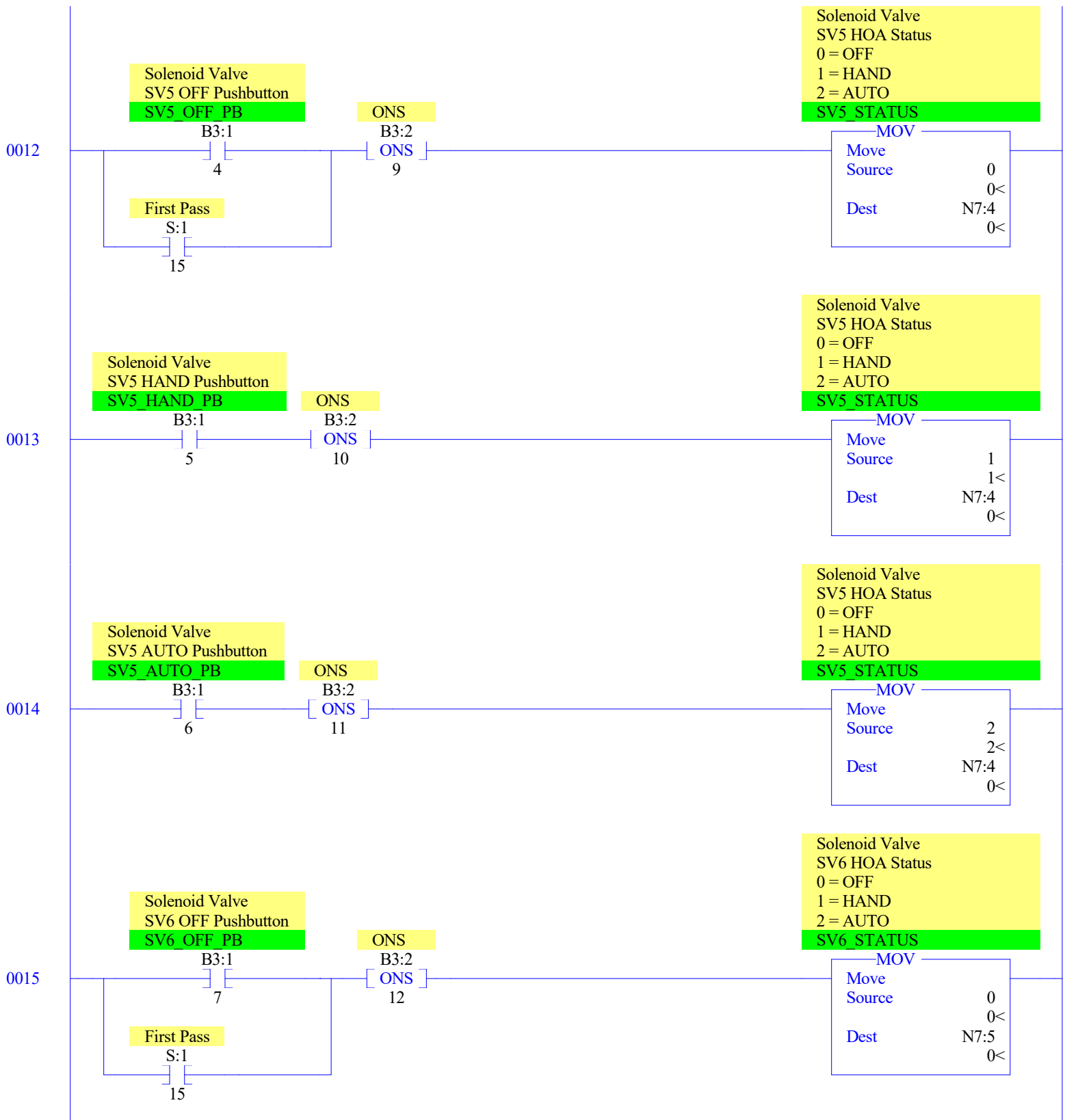
0007

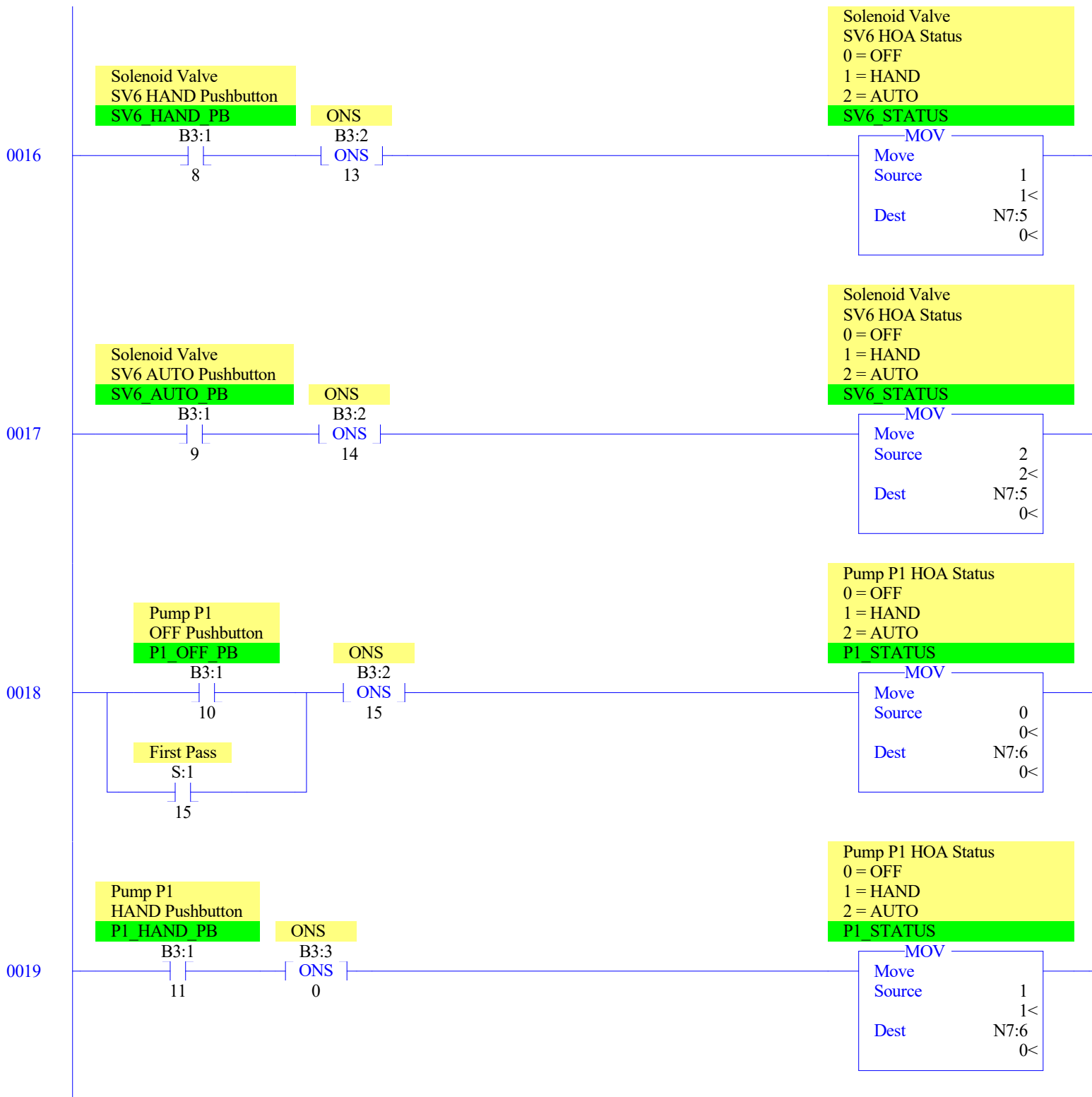
END

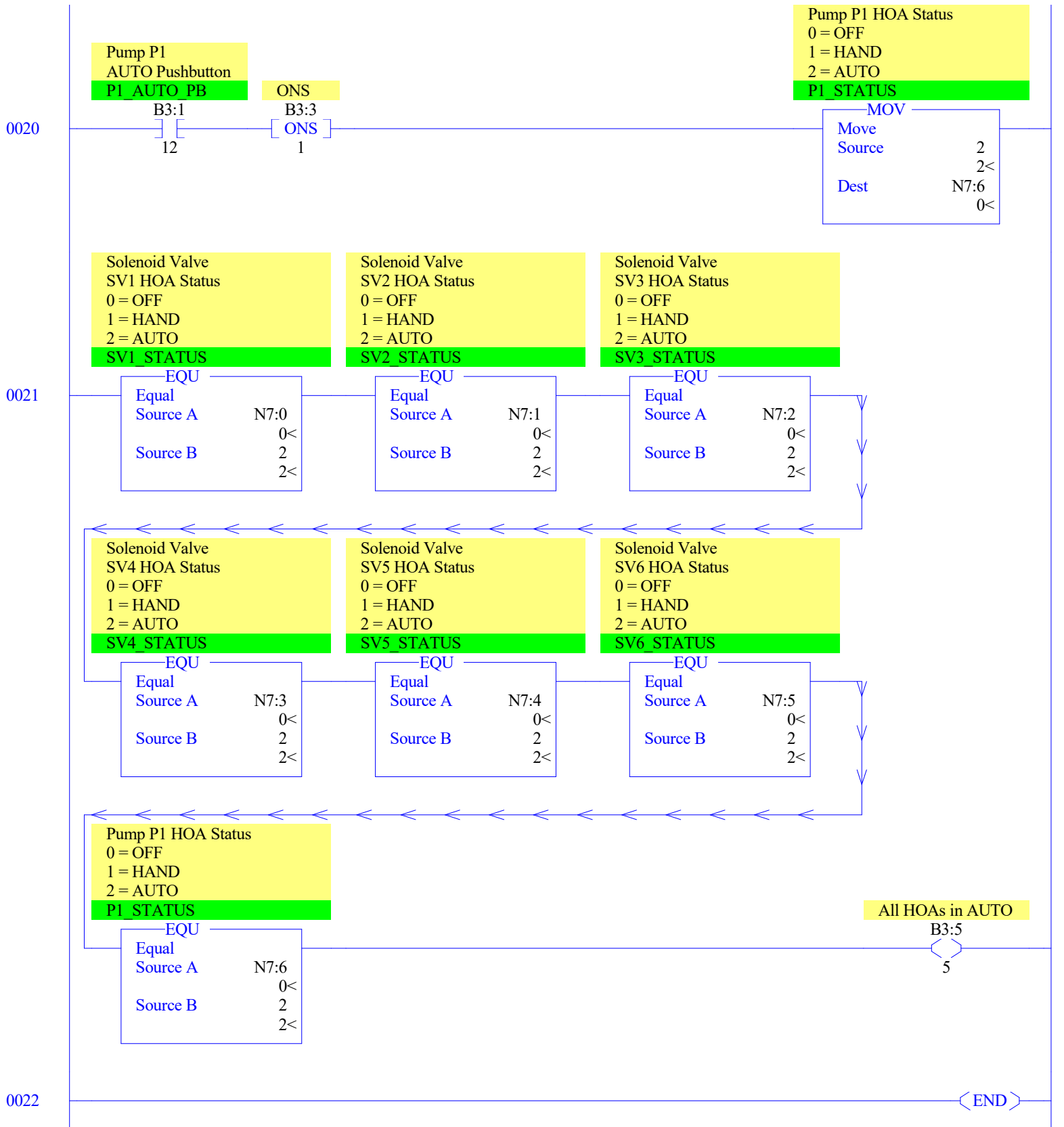


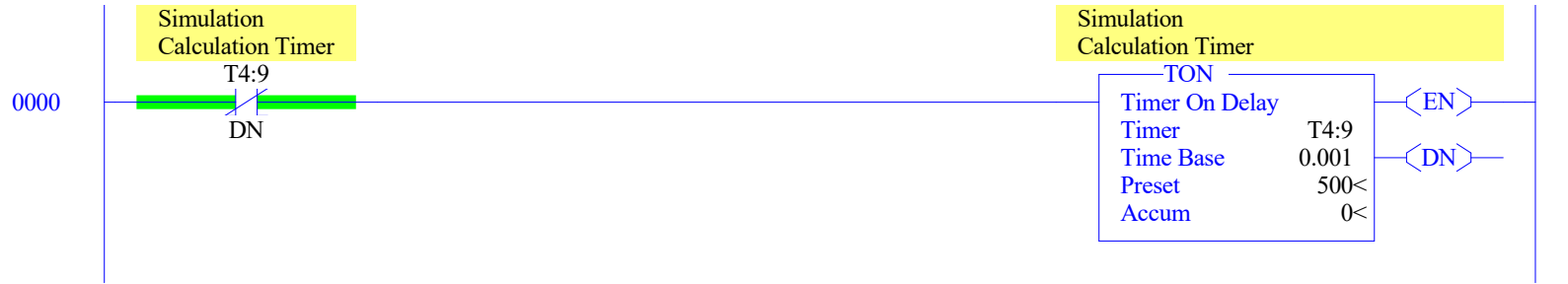


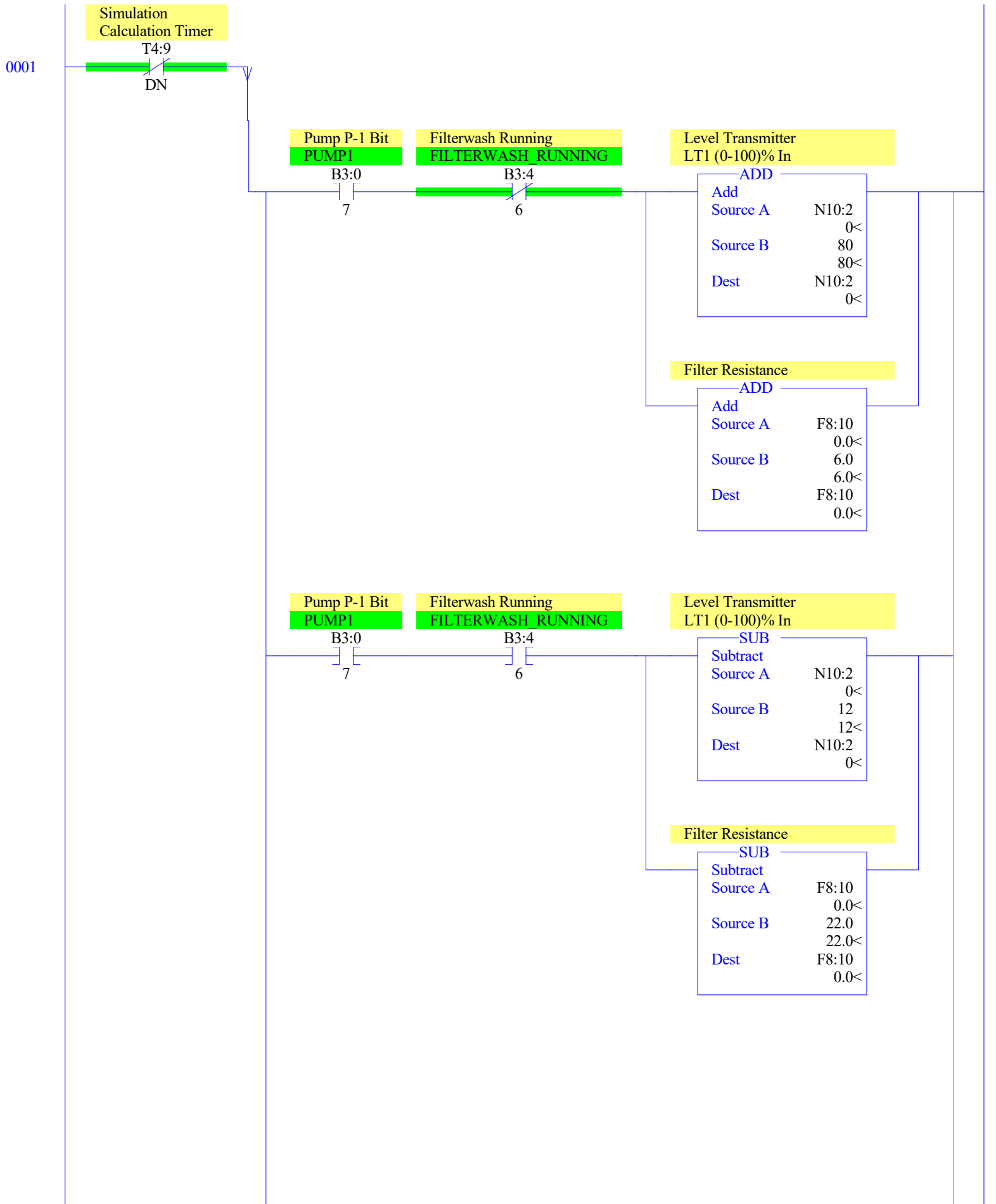


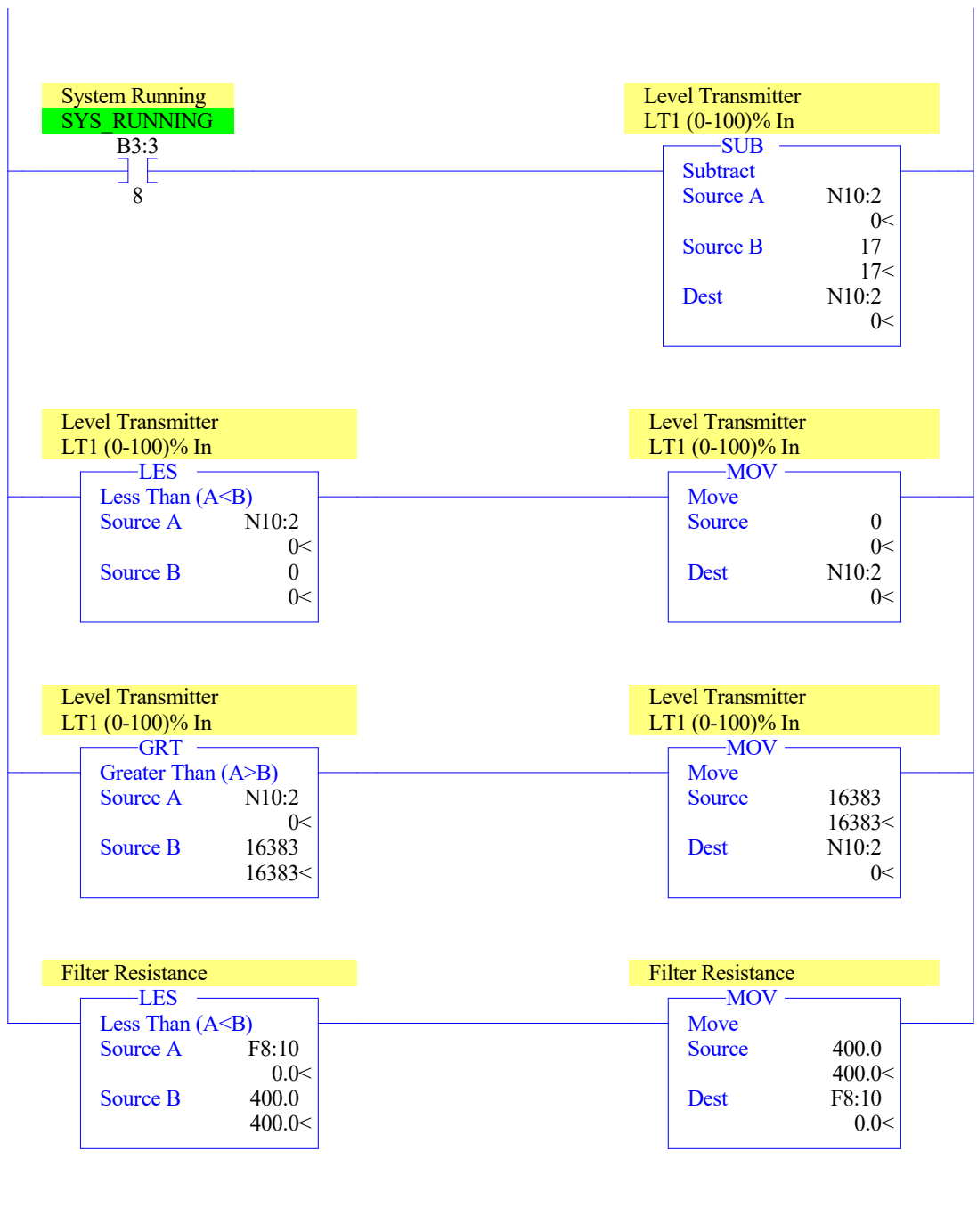


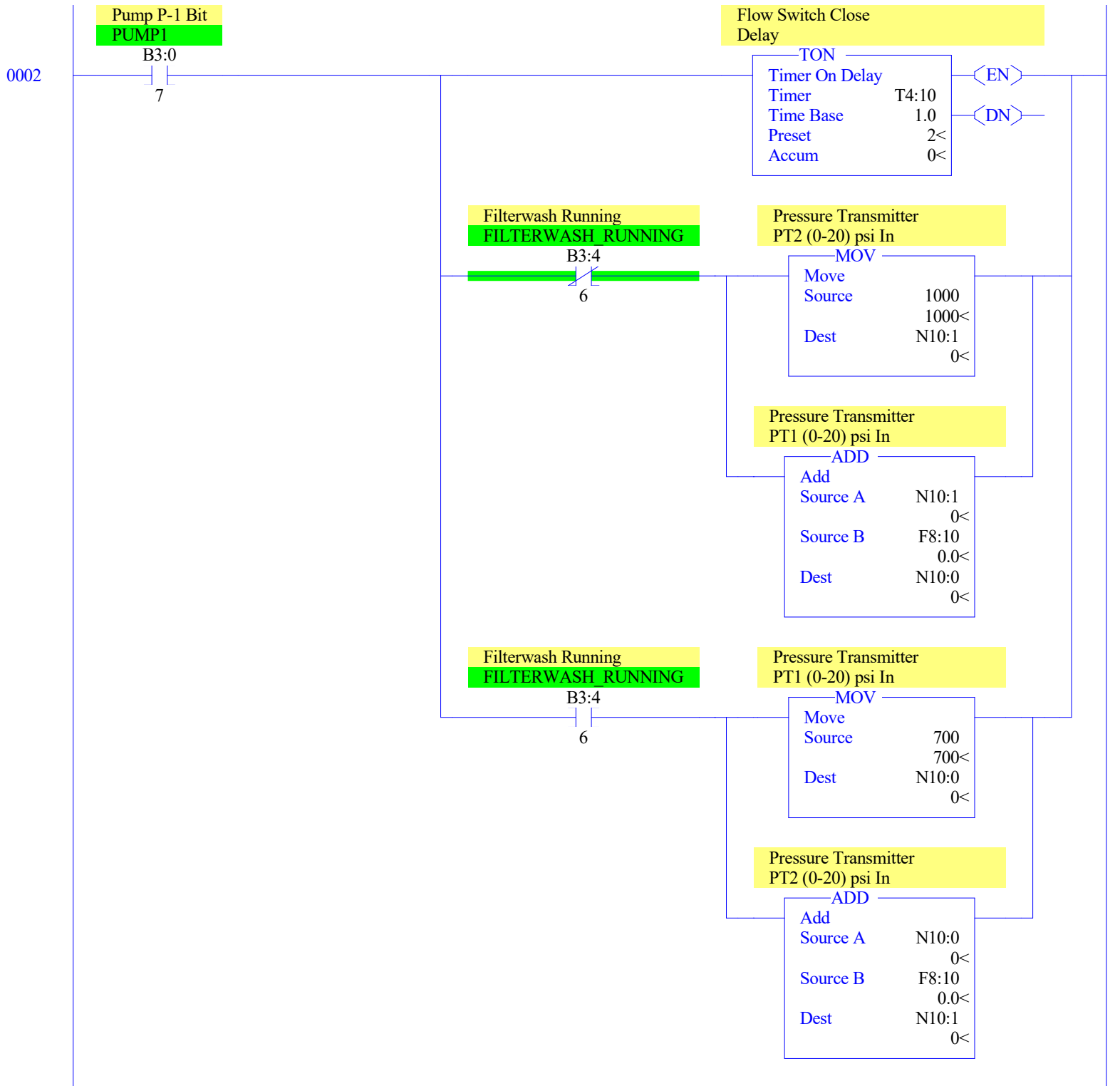


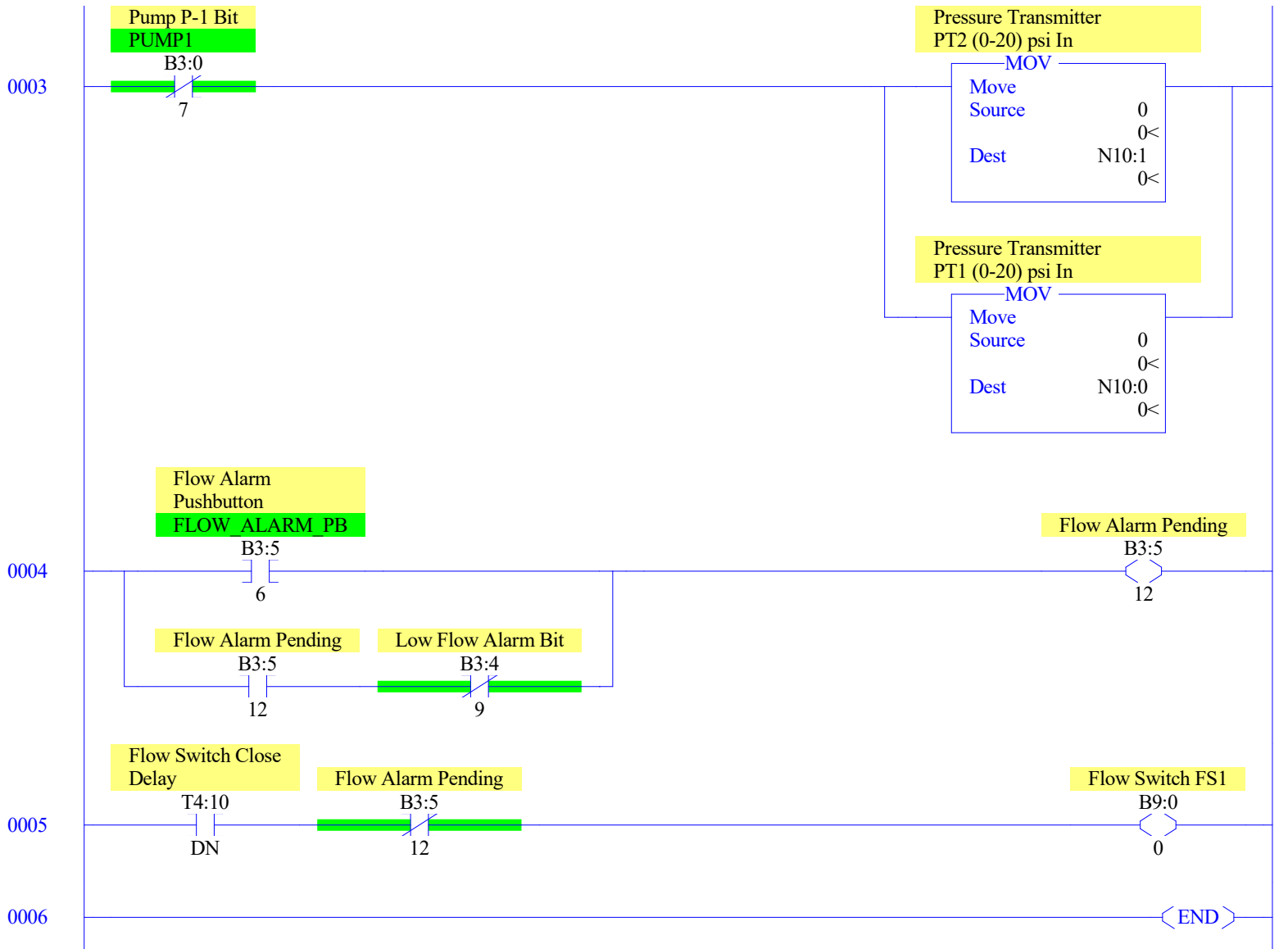


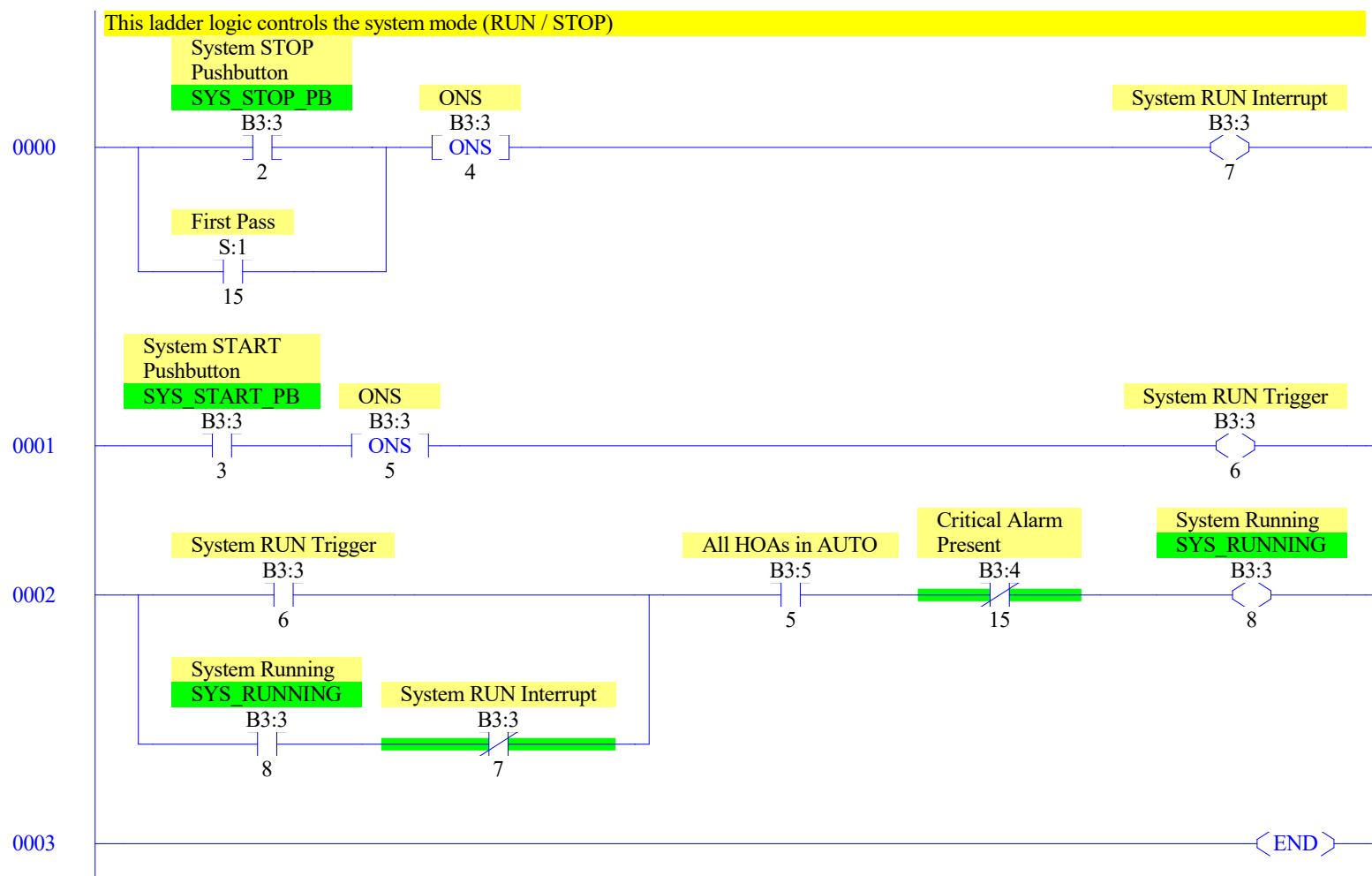


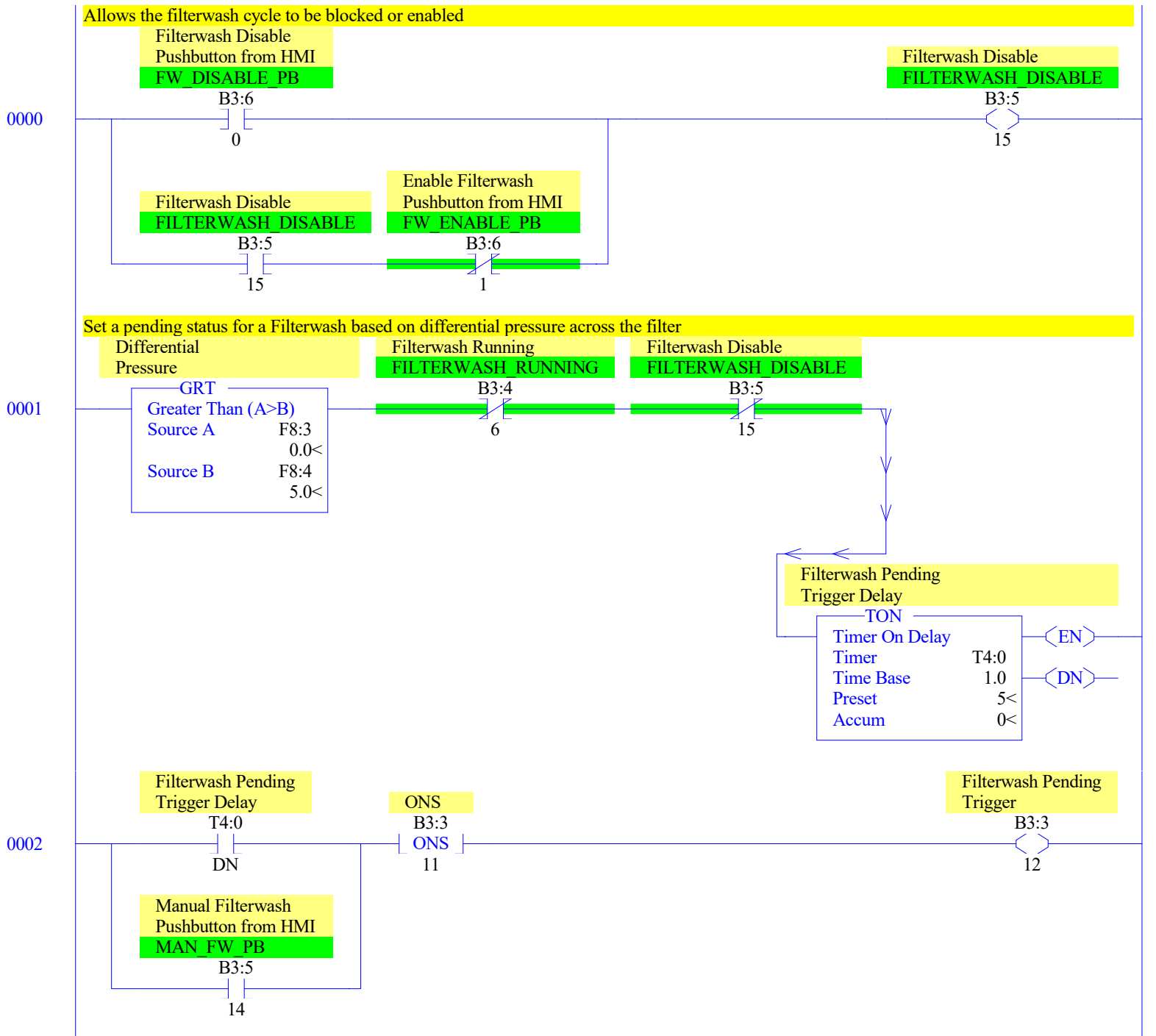


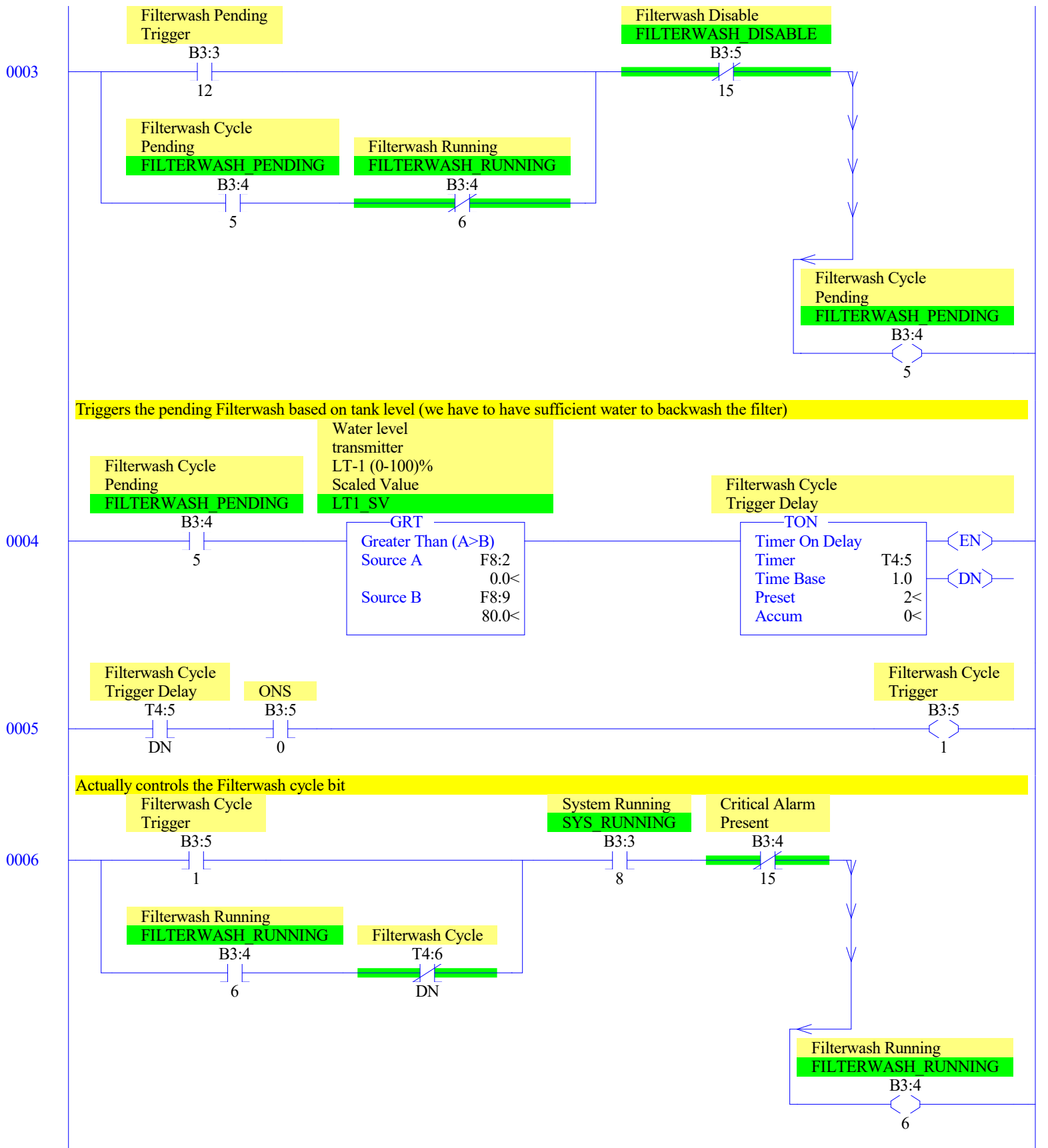


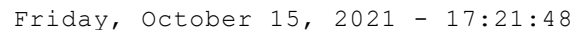


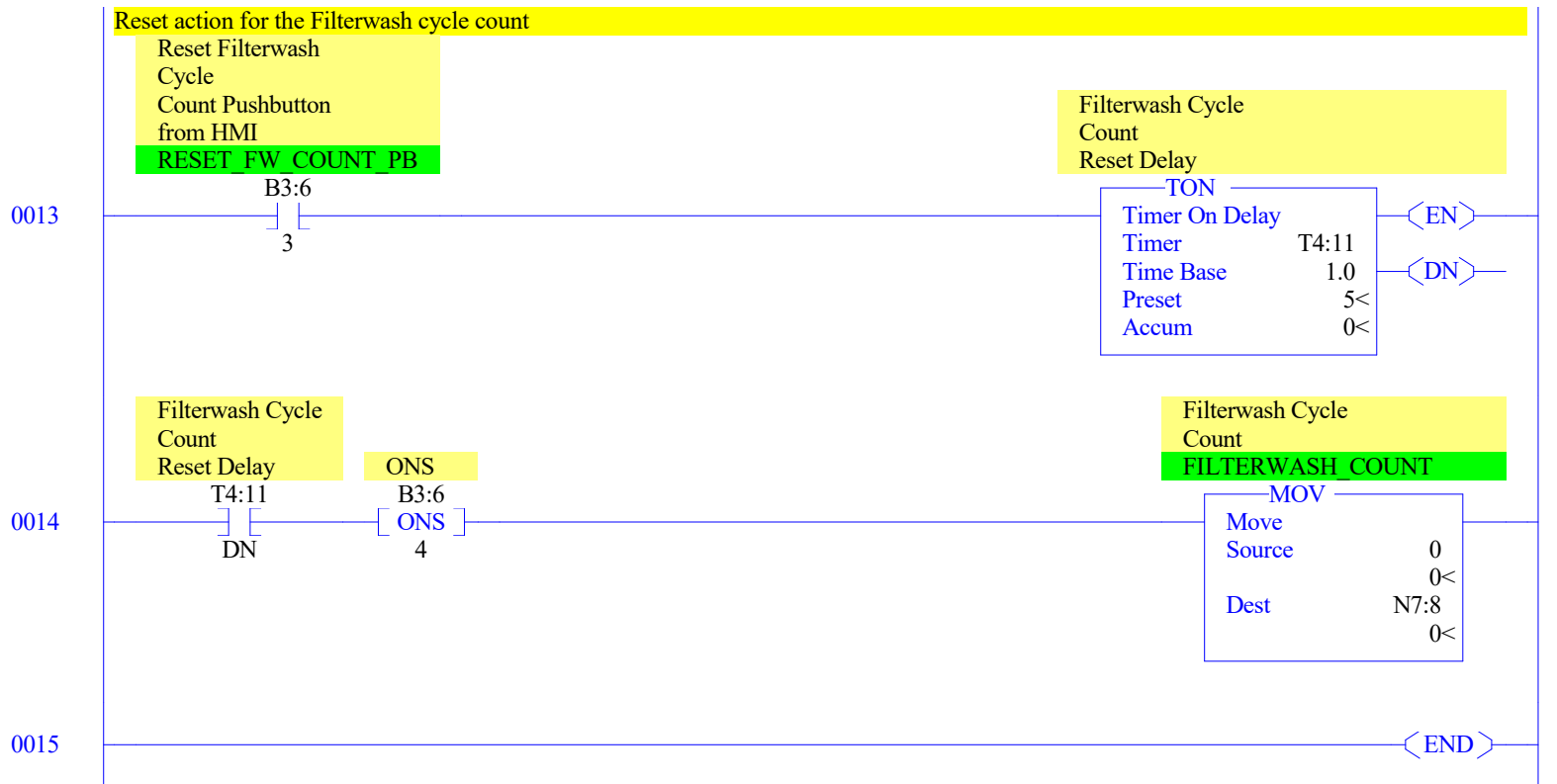


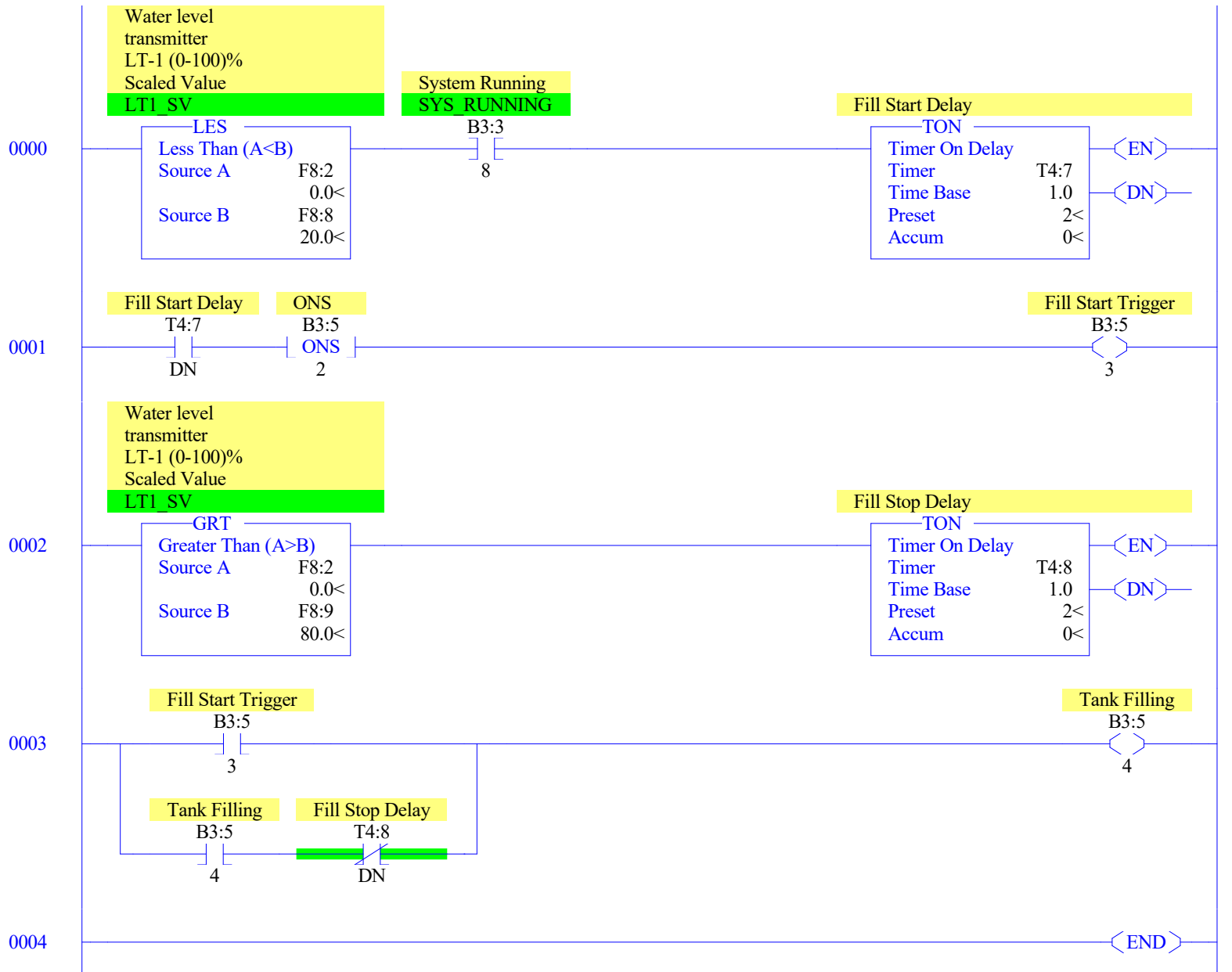


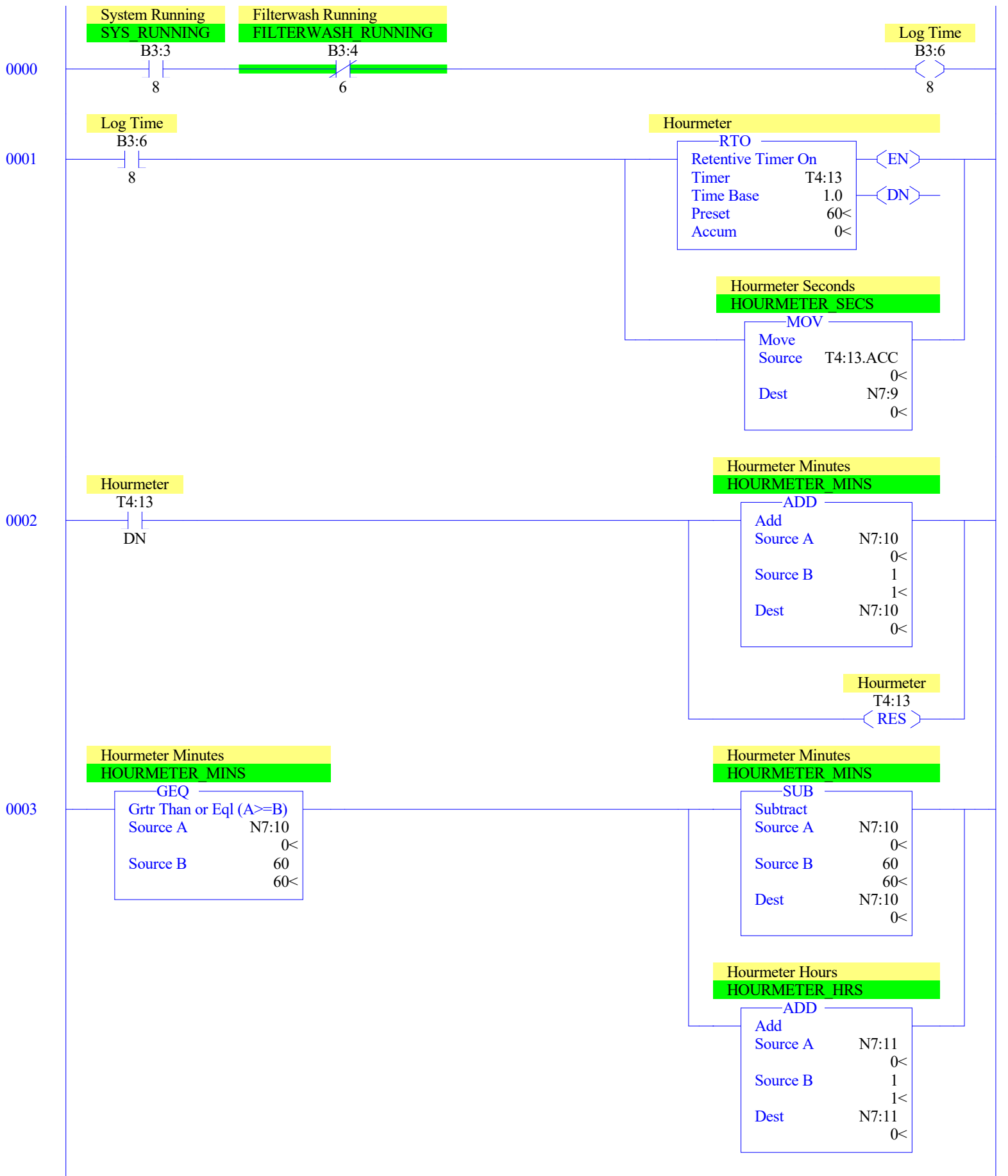


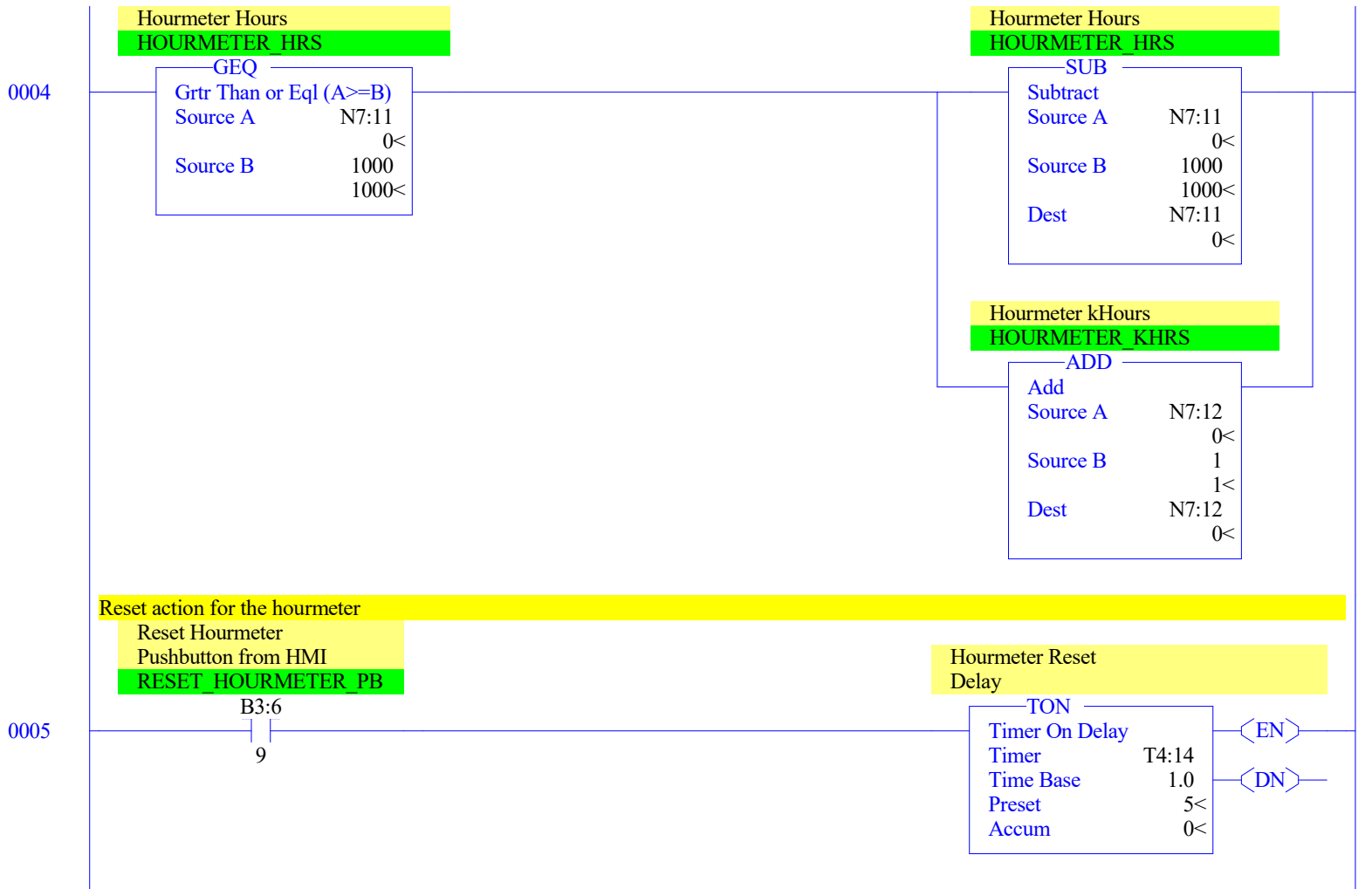


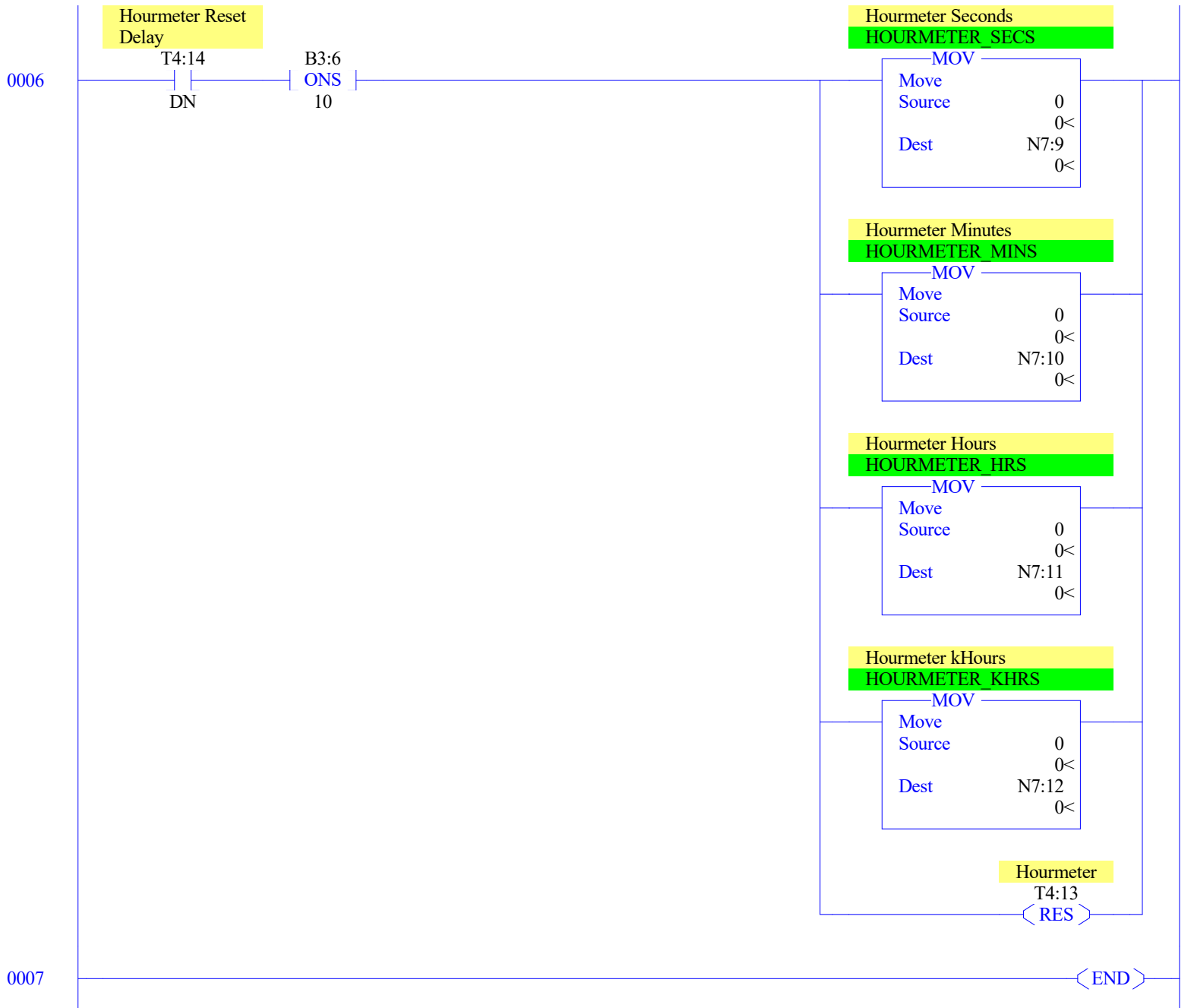


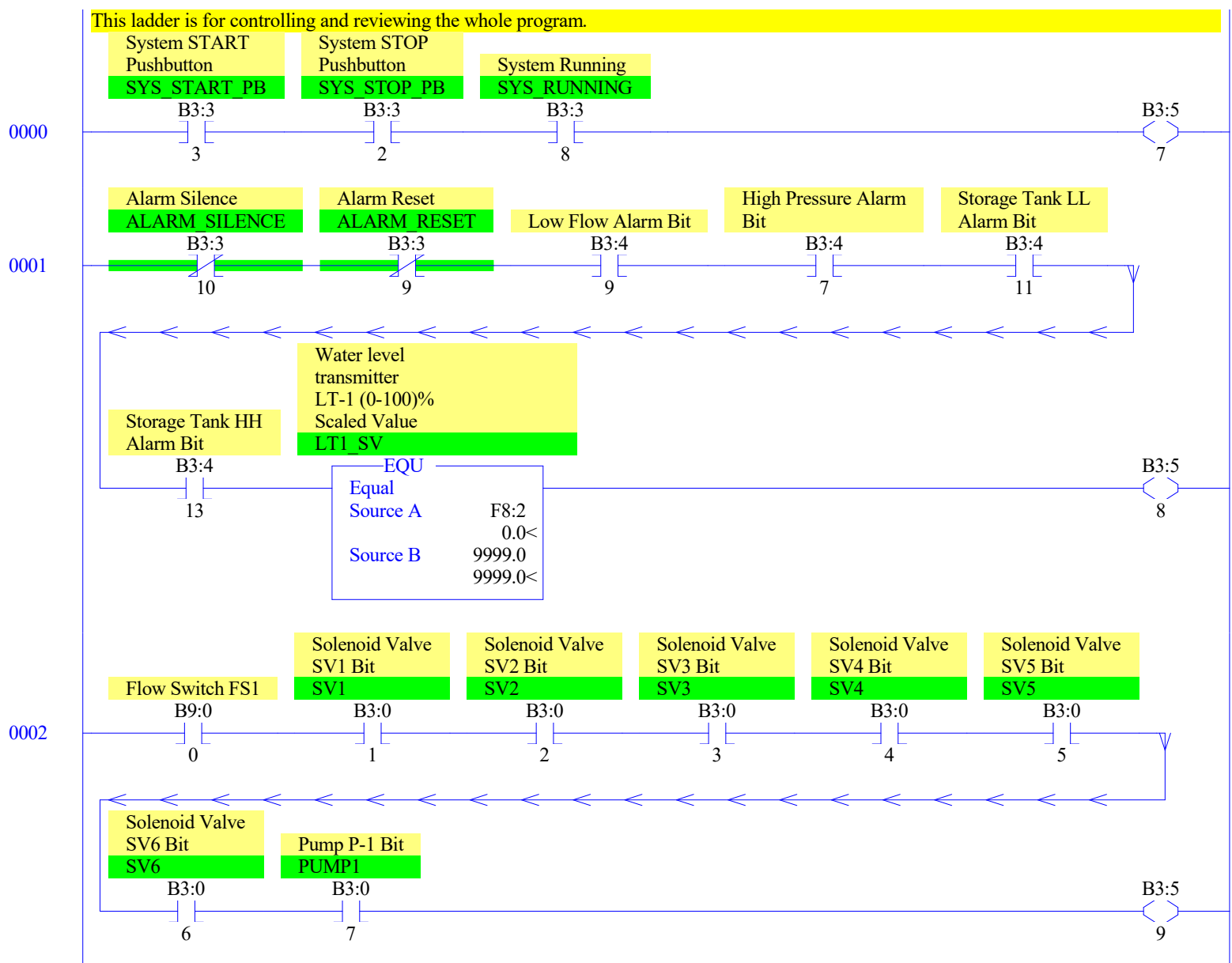




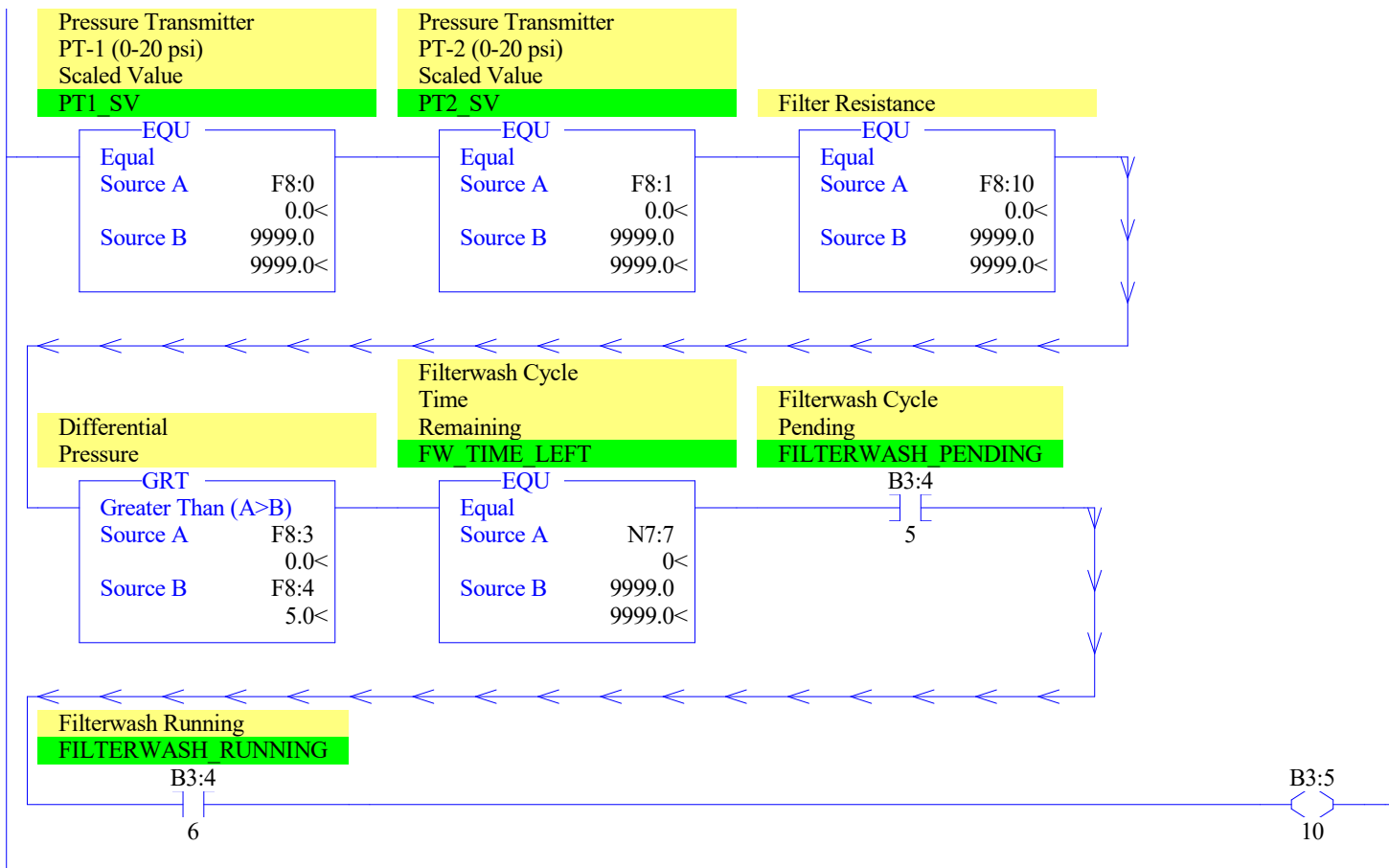




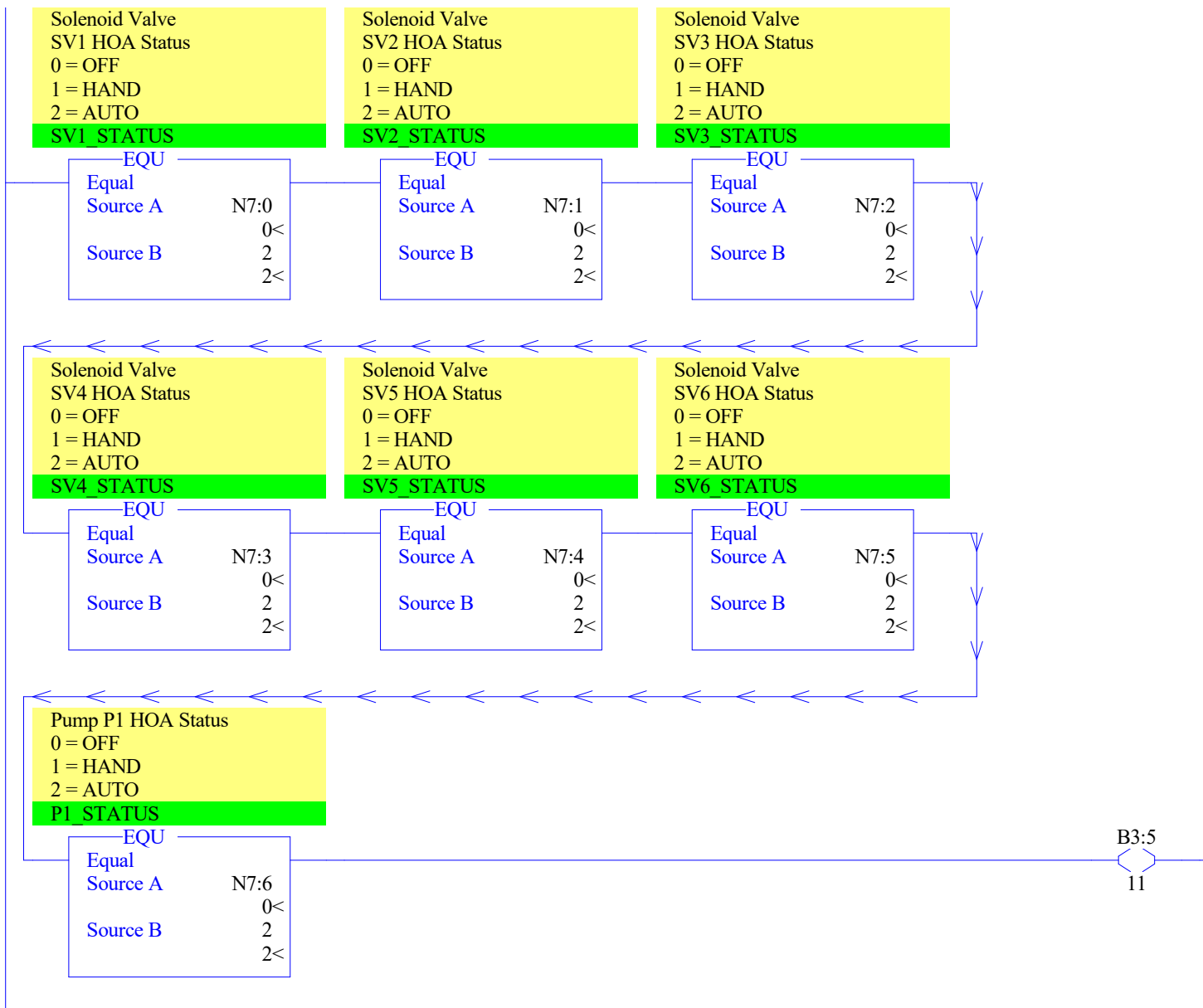




0003



0004



Put All Devices Into
AUTO

B3:5

13

Solenoid Valve
SV1 HOA Status
0 = OFF
1 = HAND
2 = AUTO

SV1 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:0
	0<

Solenoid Valve
SV2 HOA Status
0 = OFF
1 = HAND
2 = AUTO

SV2 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:1
	0<

Solenoid Valve
SV3 HOA Status
0 = OFF
1 = HAND
2 = AUTO

SV3 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:2
	0<

Solenoid Valve
SV4 HOA Status
0 = OFF
1 = HAND
2 = AUTO

SV4 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:3
	0<

0005

Solenoid Valve
SV5 HOA Status
0 = OFF
1 = HAND
2 = AUTO

SV5 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:4
	0<

Solenoid Valve
SV6 HOA Status
0 = OFF
1 = HAND
2 = AUTO

SV6 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:5
	0<

Pump P1 HOA Status
0 = OFF
1 = HAND
2 = AUTO

P1 STATUS

MOV

Move	
Source	2
	2<
Dest	N7:6
	0<

0006

⟨END⟩

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0					
O:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
O:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
O:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
O:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0					
I:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B	
I:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B-Analog	
I:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series B-Analog	

Main

Processor Mode S:1/0 - S:1/4 = Remote Program Mode
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 0000-0000-0000-0000

Proc

OS Catalog Number S:57 = 1100 User Program Type S:63 = 8001h
OS Series S:58 = A Compiler Revision Number S:64 =
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =

Scan Times

Maximum (x10 ms) S:22 = 0
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 0
Scan Toggle Bit S:33/9 = 0

Math

Math Overflow Selected S:2/14 = 0 Math Register (lo word) S:13 = 0
Overflow Trap S:5/0 = 0 Math Register (high word) S:14-S:13 = 0
Carry S:0/0 = 0 Math Register (32 Bit) S:14-S:13 = 0
Overflow S:0/1 = 0
Zero Bit S:0/2 = 0
Sign Bit S:0/3 = 0

Chan 0

Processor Mode S:1/0- S:1/4 = Remote Program Mode
Node Address S:15 (low byte) = 0 Outgoing Msg Cmd Pending S:33/2 = 0
Baud Rate S:15 (high byte) = ?
Channel Mode S:33/3 = 0
Comms Active S:33/4 = 0
Incoming Cmd Pending S:33/0 = 0
Msg Reply Pending S:33/1 = 0

Debug

Suspend Code S:7 = 0
Suspend File S:8 = 0

Errors

Fault Override At Power Up S:1/8 = 0 Fault Routine S:29 = 0
Startup Protection Fault S:1/9 = 0 Major Error S:6 = 0h
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0 Error Description:
Control Register Error S:5/2 = 0
Major Error Executing User Fault Rtn. S:5/3 = 0
Battery Low S:5/11 = 0
Input Filter Selection Modified S:5/13 = 0
ASCII String Manipulation error S:5/15 = 0

Protection

Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False

Mem Module

Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0

Protection

Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False

Mem Module

Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0
Data File Overwrite Protection Lost S:36/10 = 0

Forces

Forces Enabled S:1/5 = Yes
Forces Installed S:1/6 = No

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol)	Description
B3:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol) Description
T4:0	0	0	0	1.0 sec	5	0	Filterwash Pending Trigger Delay
T4:1	0	0	0	1.0 sec	5	0	(HP_ALARM_DELAY) High Pressure Alarm Delay
T4:2	0	0	0	1.0 sec	5	0	(LF_ALARM_DELAY) Low Flow Alarm Delay
T4:3	0	0	0	1.0 sec	5	0	Storage Tank LL Alarm Delay
T4:4	0	0	0	1.0 sec	5	0	Storage Tank HH Alarm Delay
T4:5	0	0	0	1.0 sec	2	0	Filterwash Cycle Trigger Delay
T4:6	0	0	0	1.0 sec	60	0	Filterwash Cycle
T4:7	0	0	0	1.0 sec	2	0	Fill Start Delay
T4:8	0	0	0	1.0 sec	2	0	Fill Stop Delay
T4:9	0	0	0	.001 sec	500	0	Simulation Calculation Timer
T4:10	0	0	0	1.0 sec	2	0	Flow Switch Close Delay
T4:11	0	0	0	1.0 sec	5	0	Filterwash Cycle Count Reset Delay
T4:12	0	0	0	.001 sec	500	0	Filterwash Data Log Pulse Width
T4:13	0	0	0	1.0 sec	60	0	Hourmeter
T4:14	0	0	0	1.0 sec	5	0	Hourmeter Reset Delay

Offset	CU	CD	DN	OV	UN	UA	PRE	ACC	(Symbol)	Description
C5:0	0	0	0	0	0	0	0	0		

Offset	EN	EU	DN	EM	ER	UL	IN	FD	LEN	POS	(Symbol)	Description
R6:0	0	0	0	0	0	0	0	0	0	0		

WATER_TREATMENT_SYSTEM

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0	0	0	0	0	0	0	0	0	0	0
N7:10	0	0	0							

WATER_TREATMENT_SYSTEM

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0	0	0	0	5
F8:5	15	10	90	20	80
F8:10	0	0			

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	(Symbol)	Description
B9:0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

WATER_TREATMENT_SYSTEM

Data File N10 (dec) -- ANALOG IO

Offset	0	1	2	3	4	5	6	7	8	9
N10:0	0	0	0							