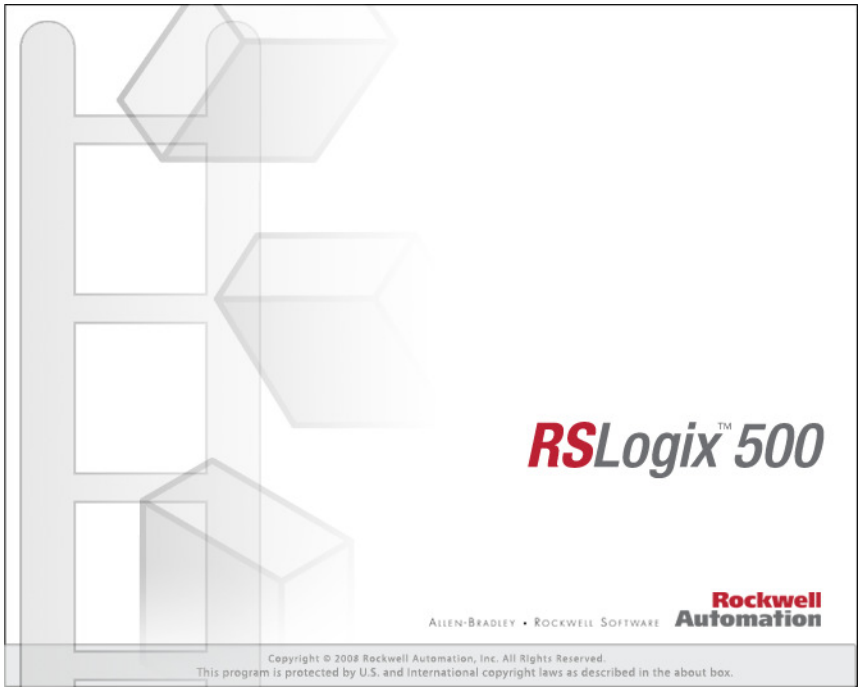
RSLogix Micro Project Report



Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: BBOURBON

Total Memory Used: 683 Instruction Words Used - 298 Data Table Words Used

Total Memory Left: 5973 Instruction Words Left

Program Files: 12

Data Files: 9

Program ID: 84be

I/O Configuration

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

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: 00:0F:73:03:57:C2
   IP Address: 192.168.1.94
   Subnet Mask: 255.255.255.0
   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: No
   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:

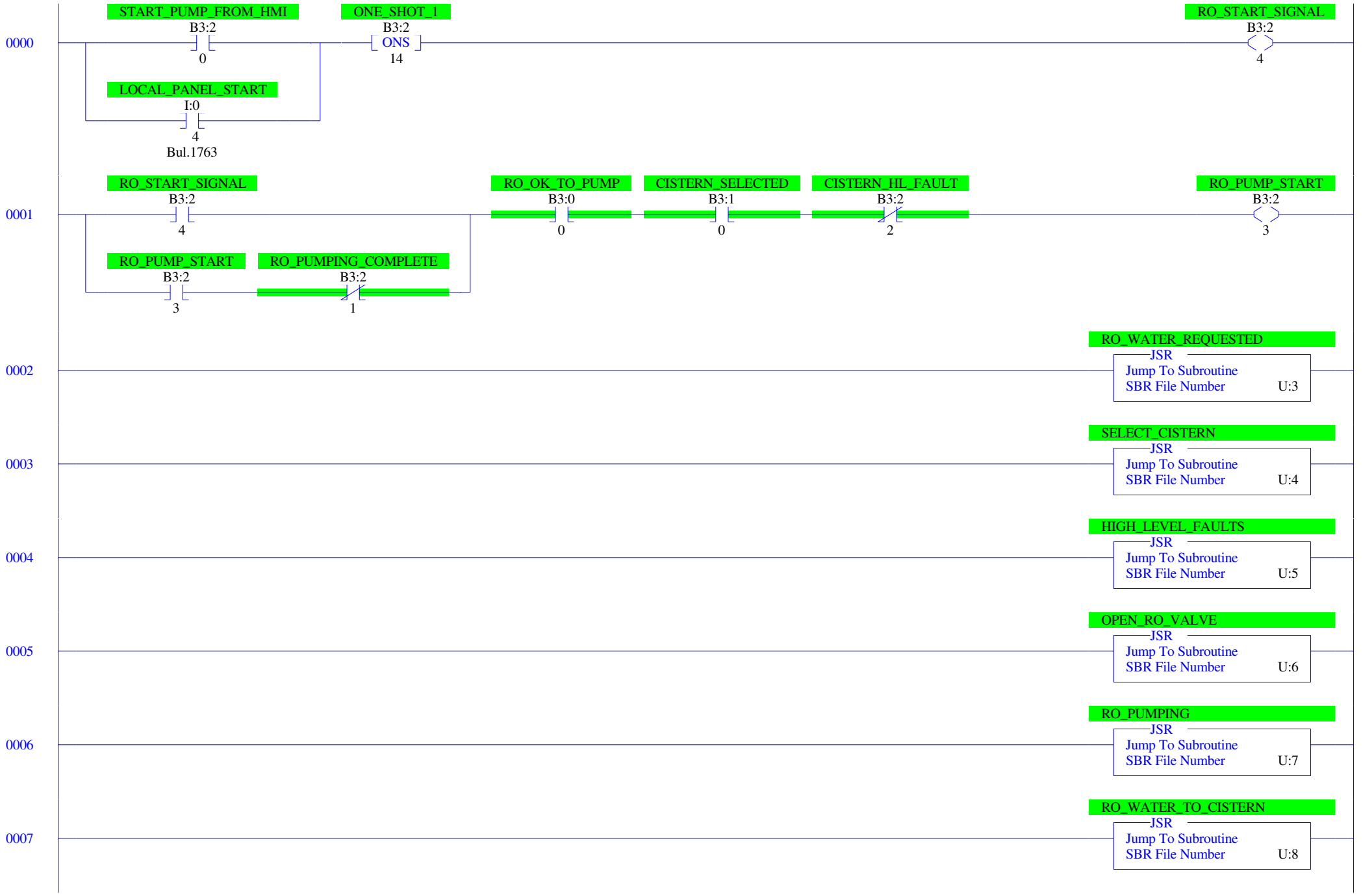
Program File List

Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	12	No	177
RO REQUEST	3	LADDER	8	No	194
SELECT CIS	4	LADDER	3	No	89
FAULTS	5	LADDER	3	No	89
RO VALVES	6	LADDER	10	No	539
RO PUMPING	7	LADDER	10	No	210
RO TO CIST	8	LADDER	10	No	390
LOAD CELLS	9	LADDER	26	No	830
CALC RO LB	10	LADDER	18	No	375
INIT SIMUL	11	LADDER	13	No	316

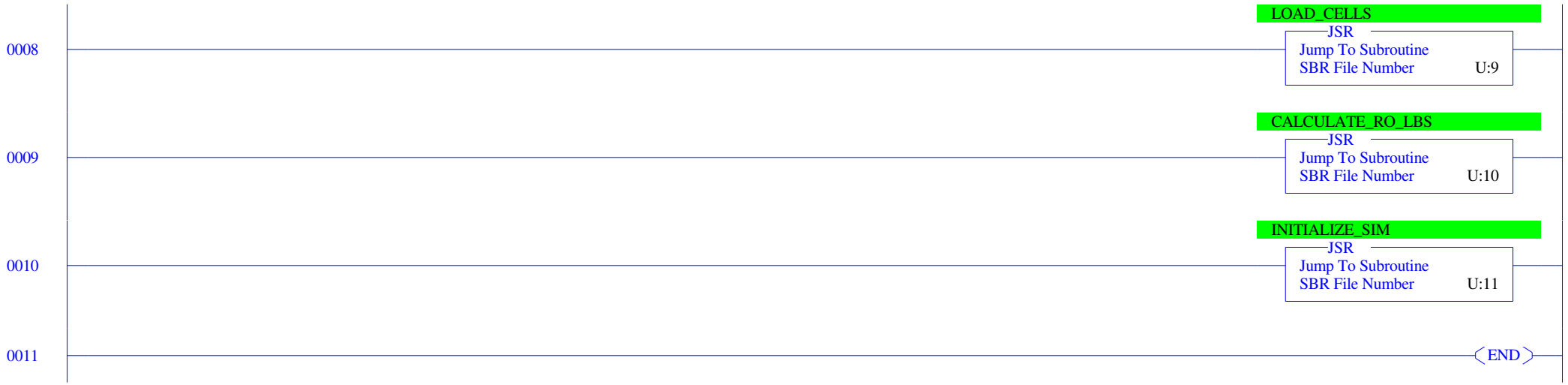
Data File List

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	5	5	B3:4
TIMER	4	T	Global	No	6	2	T4:1
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	11	11	N7:10
FLOAT	8	F	Global	No	240	120	F8:119

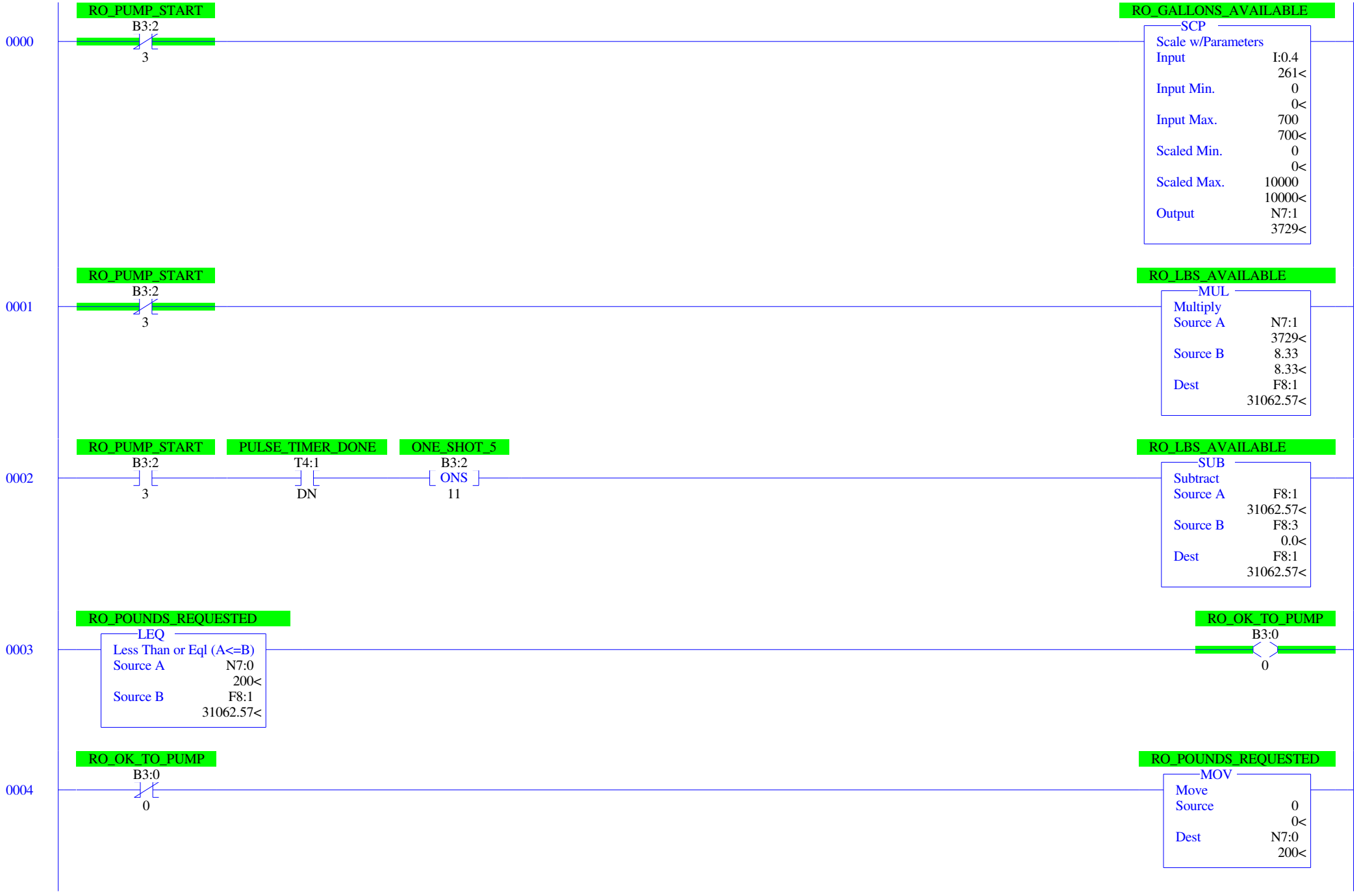
LAD 2 - MAIN - Main Ladder That Calls LAD 3 to 11 Subroutines --- Total Rungs in File = 12



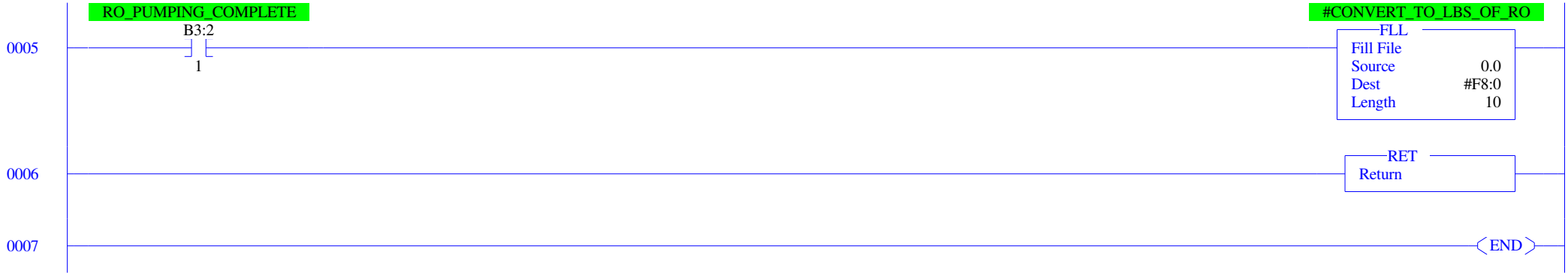
LAD 2 - MAIN - Main Ladder That Calls LAD 3 to 11 Subroutines --- Total Rungs in File = 12



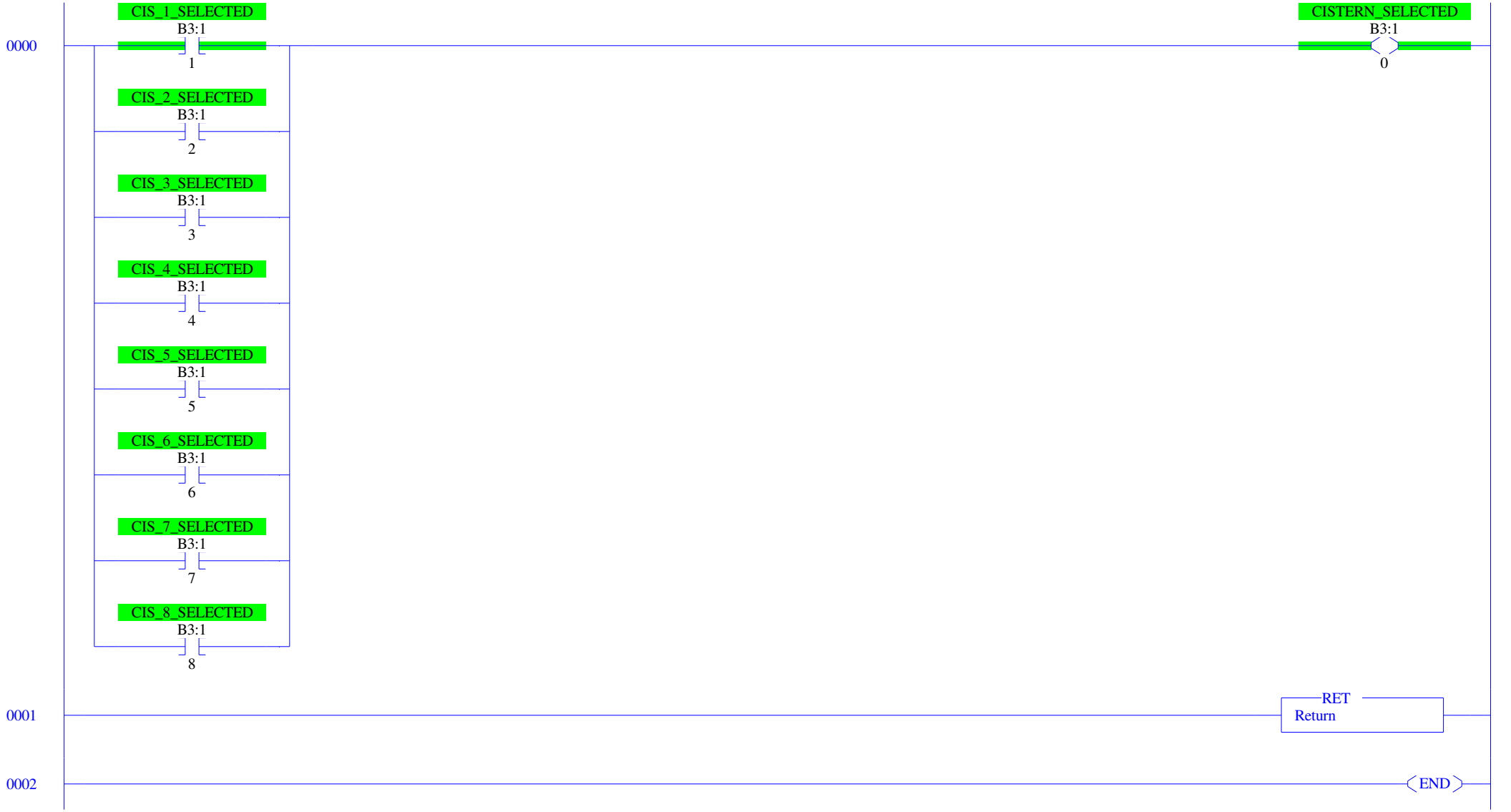
LAD 3 - RO REQUEST - Pounds of RO Water Available for Use --- Total Rungs in File = 8



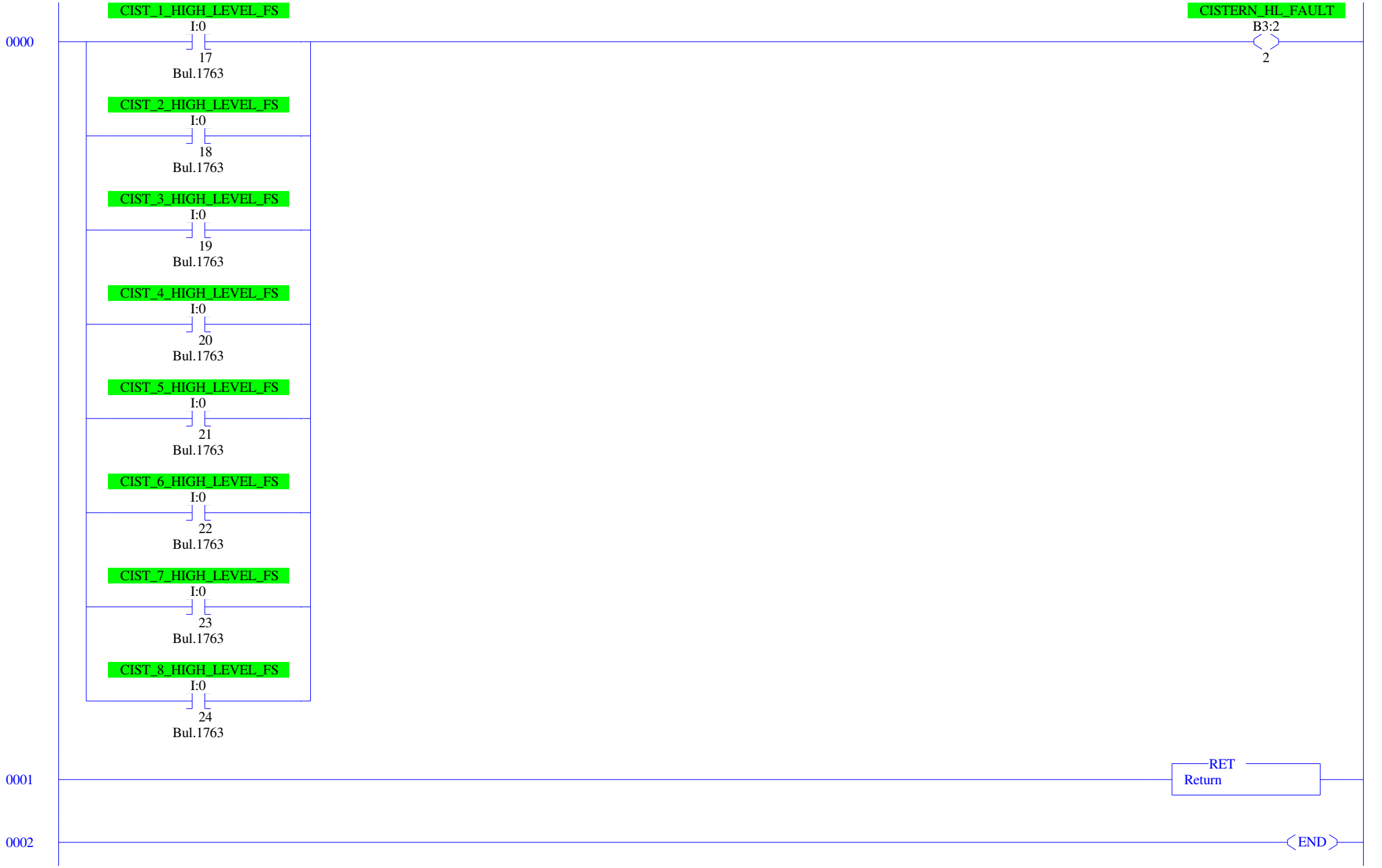
LAD 3 - RO REQUEST - Pounds of RO Water Available for Use --- Total Rungs in File = 8



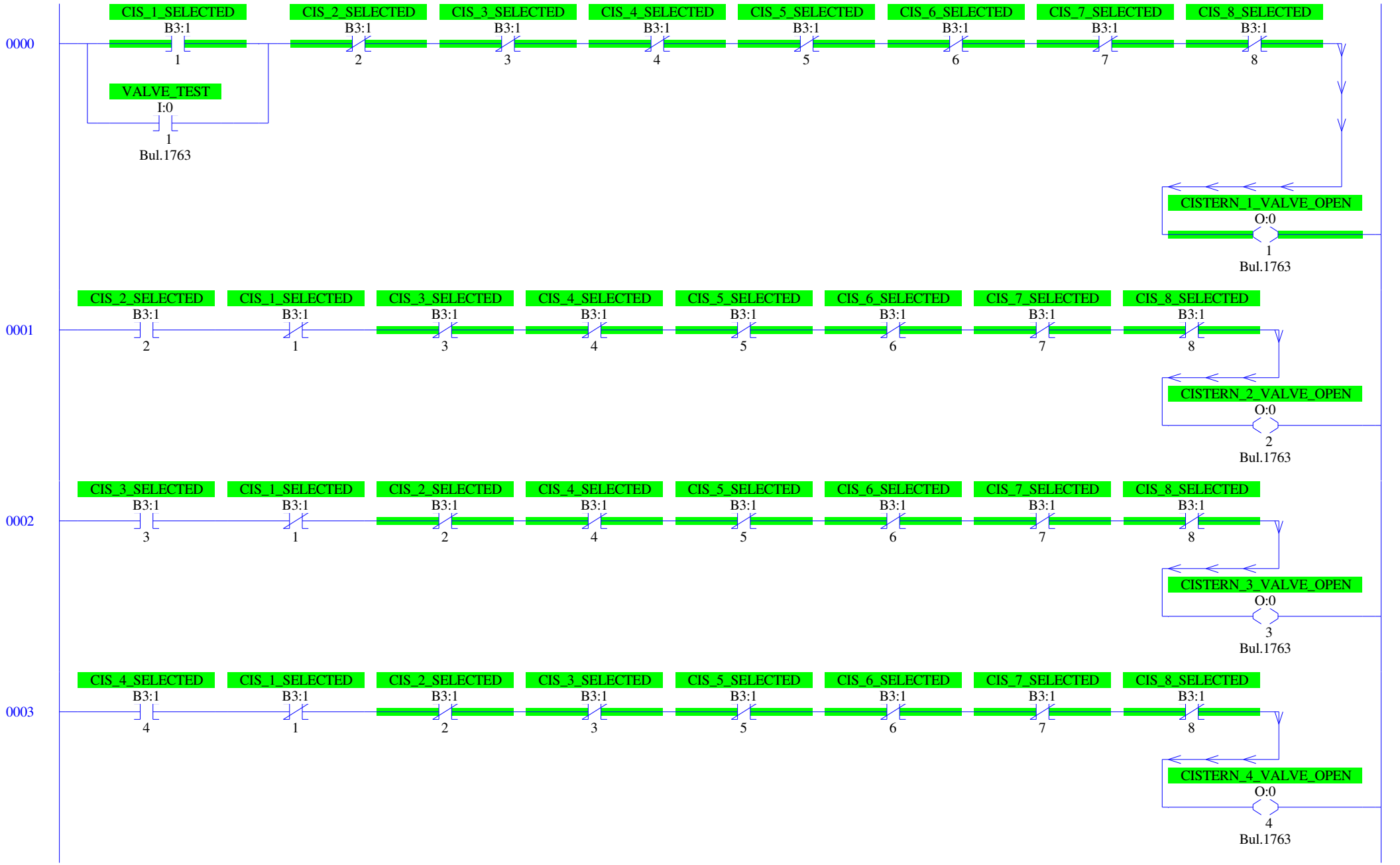
LAD 4 - SELECT CIS - Select Cistern 1 to 8 to Pump To --- Total Rungs in File = 3



LAD 5 - FAULTS - High Level Faults on Cisterns 1 to 8 --- Total Rungs in File = 3



LAD 6 - RO VALVES - Opens Corresponding Valve After Cistern Is Selecte --- Total Rungs in File = 10



LAD 6 - RO VALVES - Opens Corresponding Valve After Cistern Is Selecte --- Total Rungs in File = 10

LAD 7 - RO PUMPING - Pounds of RO Water Pumping Based on Flow Sensor --- Total Rungs in File = 10

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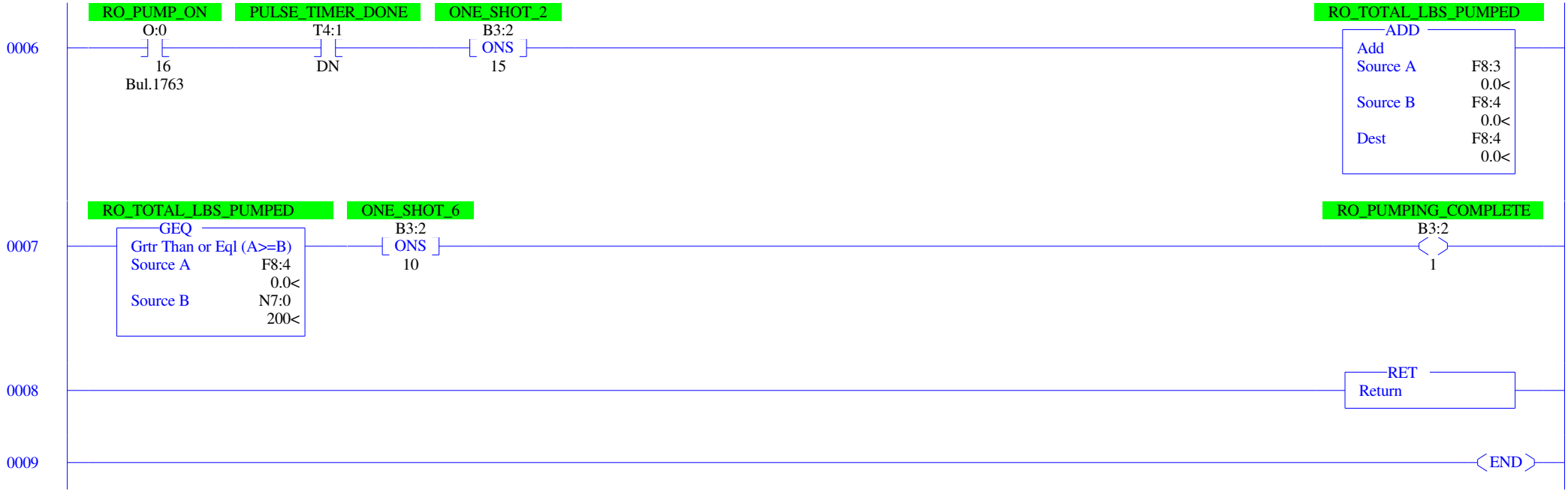
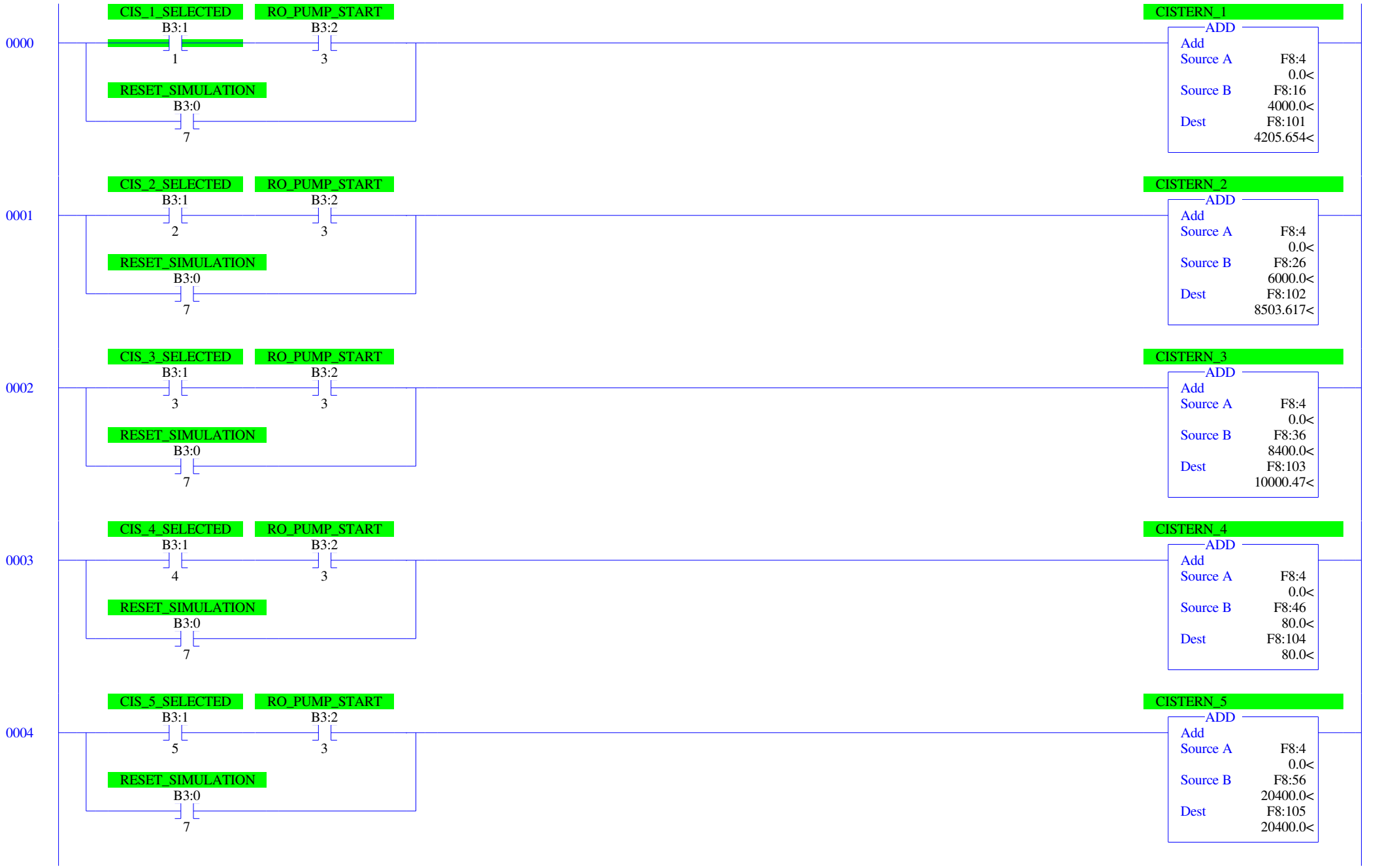
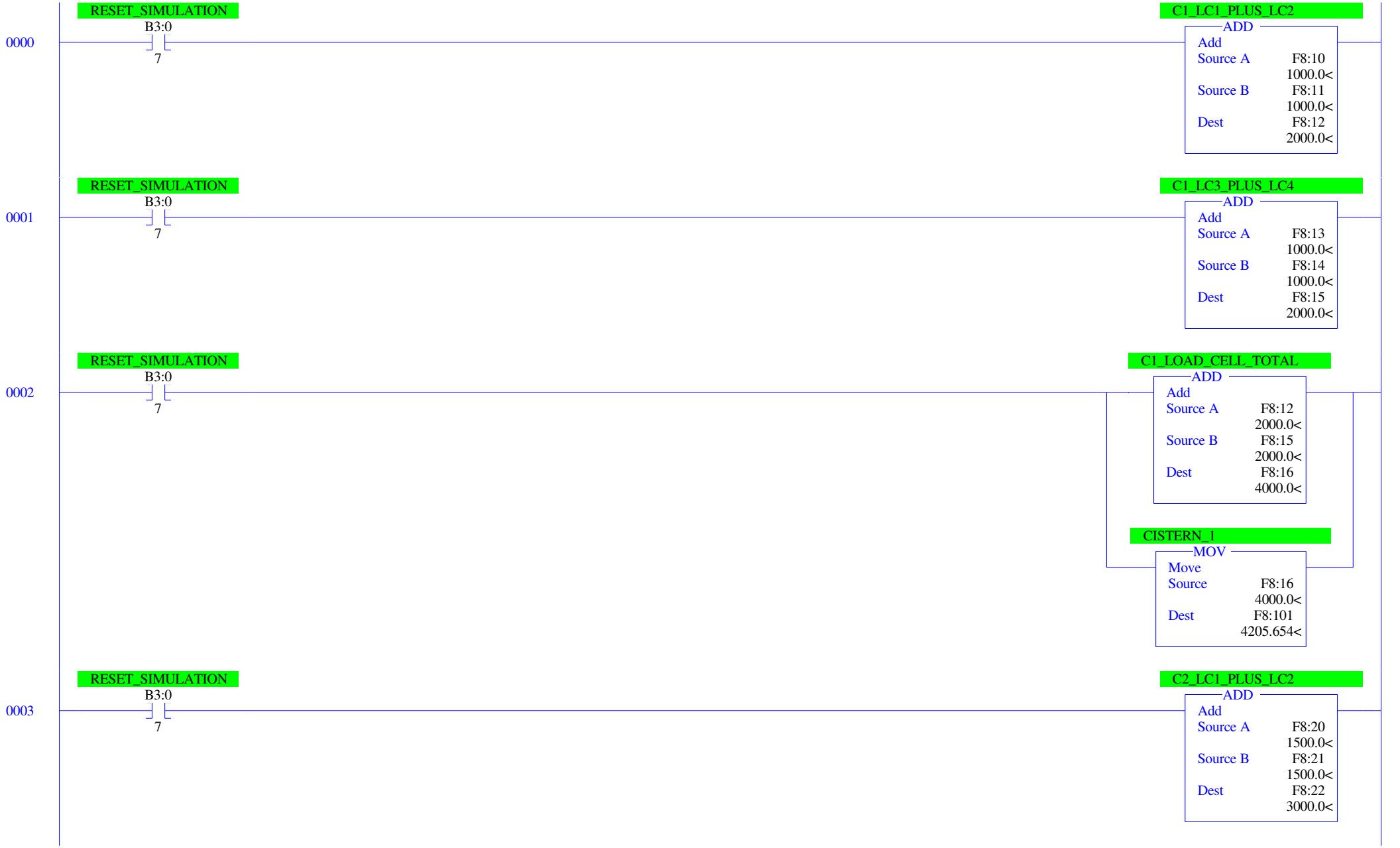


LAD 8 - RO TO CIST - Monitor RO Water Pumped to Selected Cistern --- Total Rungs in File = 10



LAD 8 - RO TO CIST - Monitor RO Water Pumped to Selected Cistern --- Total Rungs in File = 10

LAD 9 - LOAD CELLS - Load Cells for Cisterns 1 to 8 --- Total Rungs in File = 26



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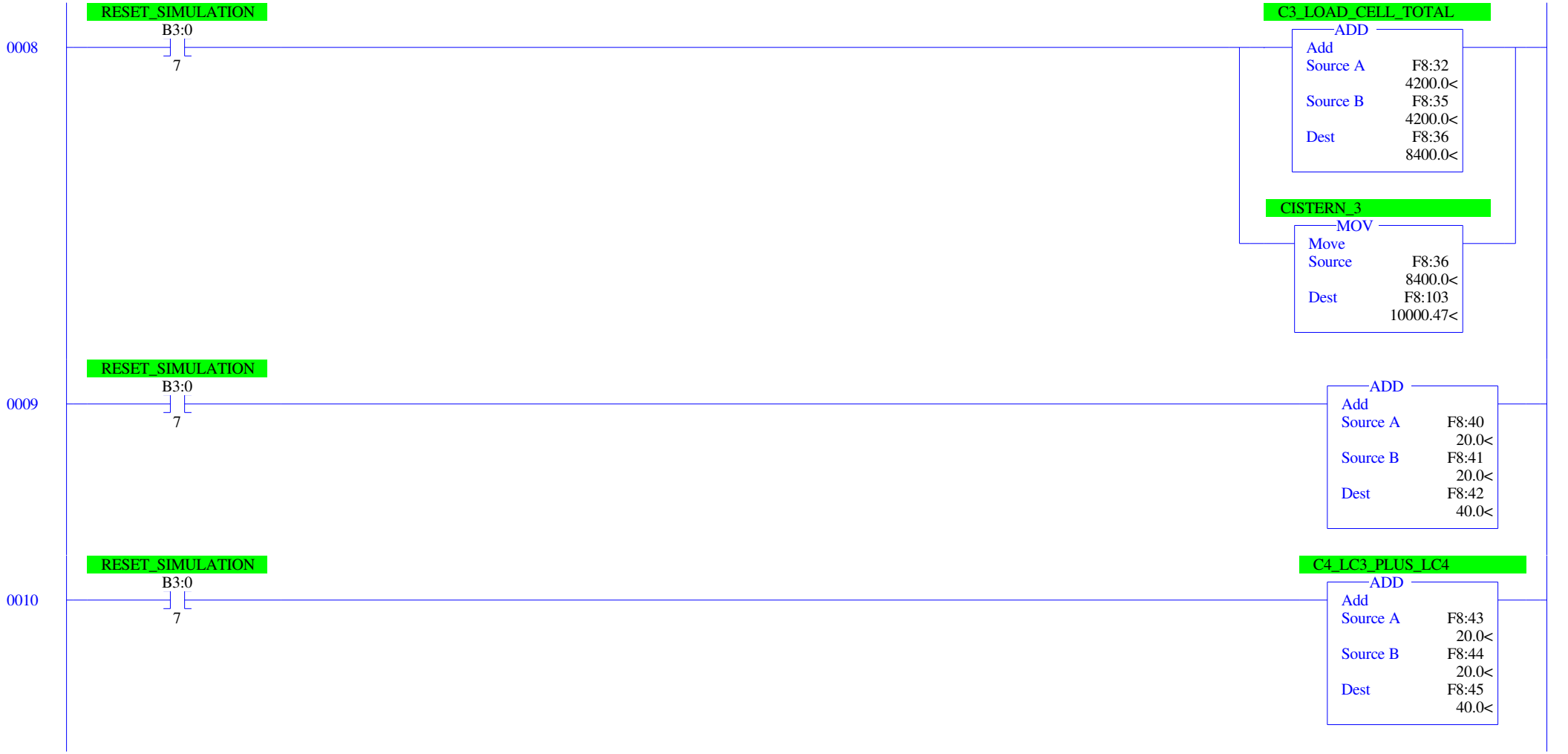
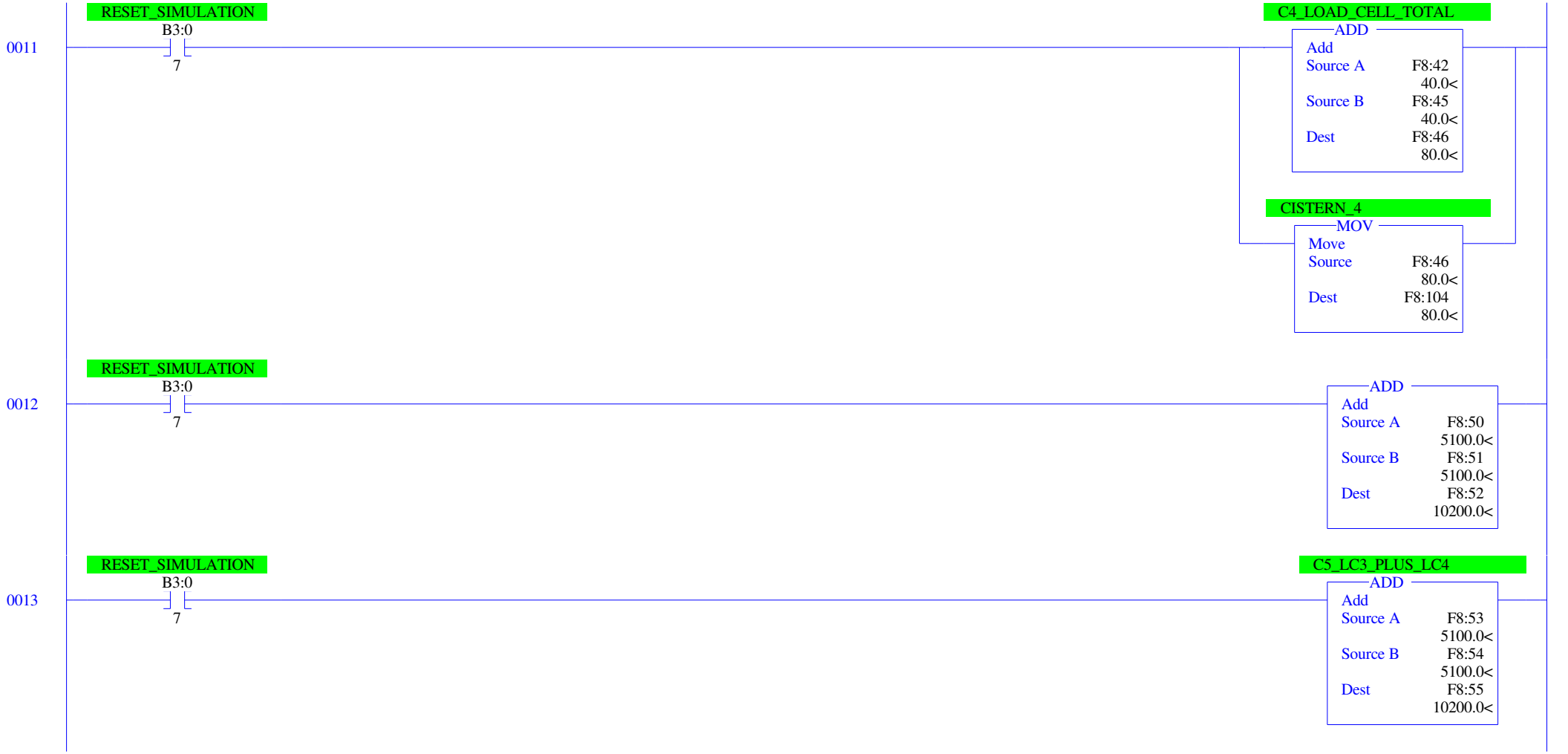
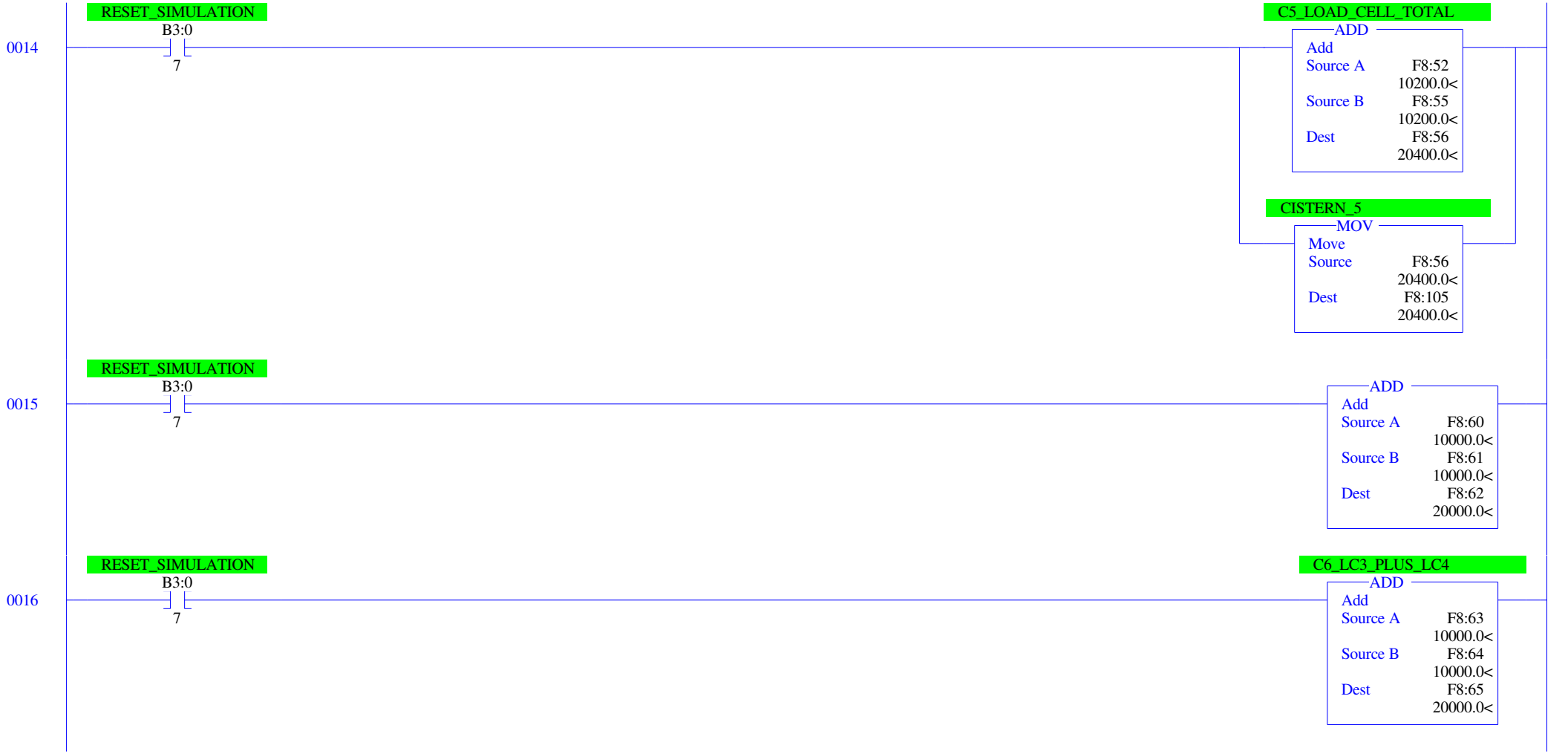
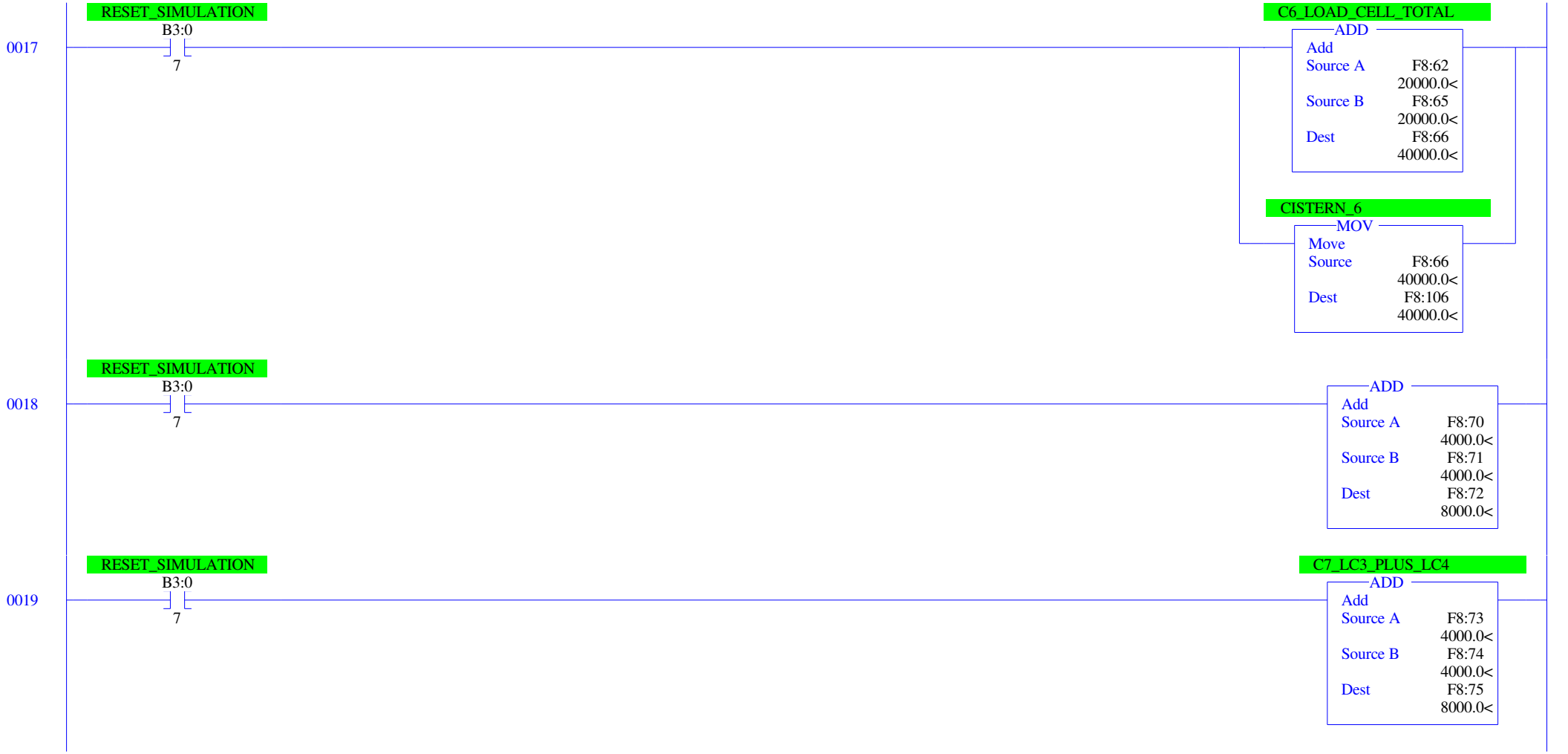


LAD 9 - LOAD CELLS - Load Cells for Cisterns 1 to 8 --- Total Rungs in File = 26

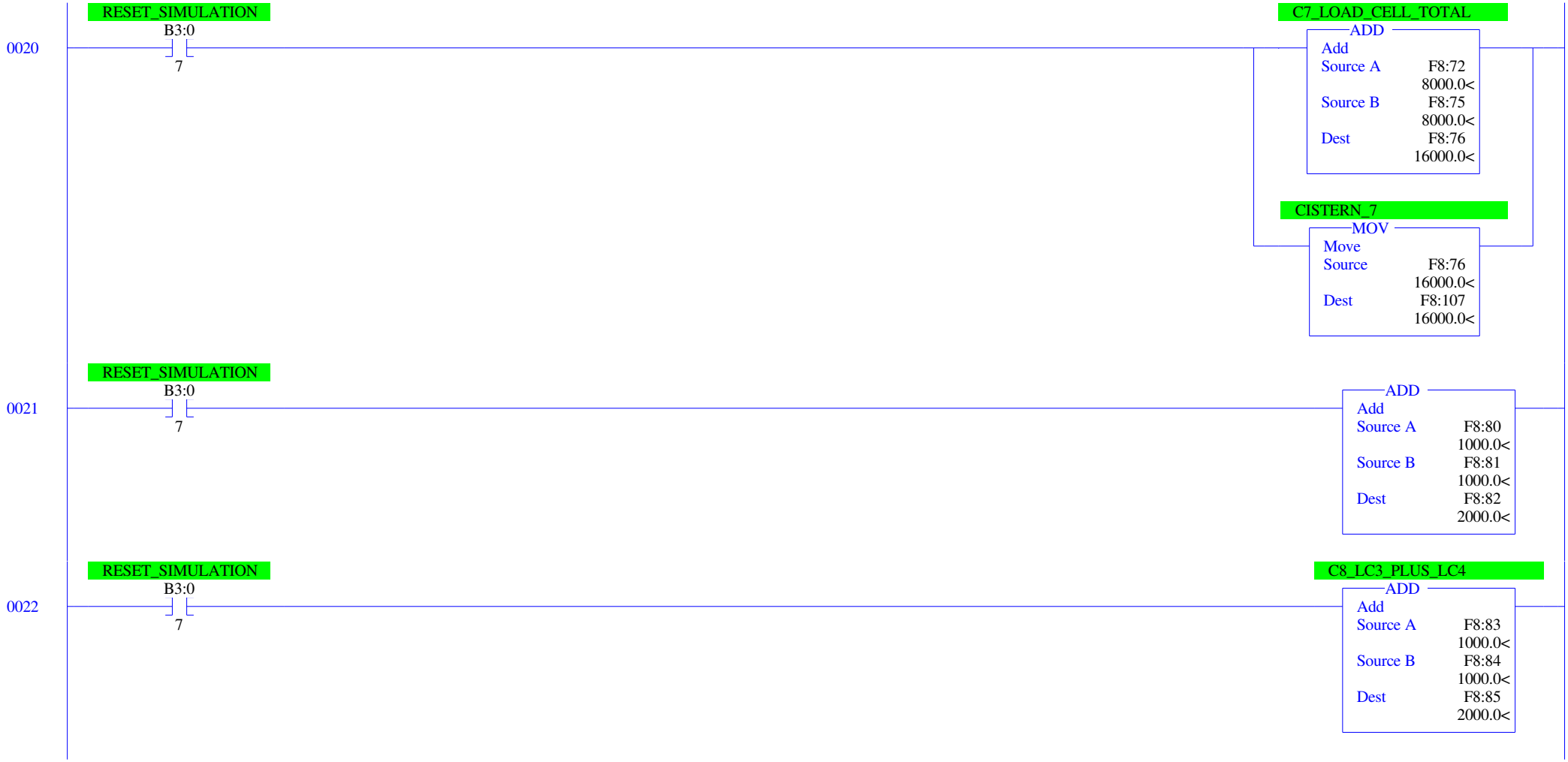



0014
RESET_SIMULATION
B3:0
7
C5_LOAD_CELL_TOTAL
ADD
Add
Source A F8:52 10200.0<
Source B F8:55 10200.0<
Dest F8:56 20400.0<
CISTERN_5
MOV
Move
Source F8:56 20400.0<
Dest F8:105 20400.0<
0015
RESET_SIMULATION
B3:0
7
ADD
Add
Source A F8:60 10000.0<
Source B F8:61 10000.0<
Dest F8:62 20000.0<
0016
RESET_SIMULATION
B3:0
7
C6_LC3_PLUS_LC4
ADD
Add
Source A F8:63 10000.0<
Source B F8:64 10000.0<
Dest F8:65 20000.0<

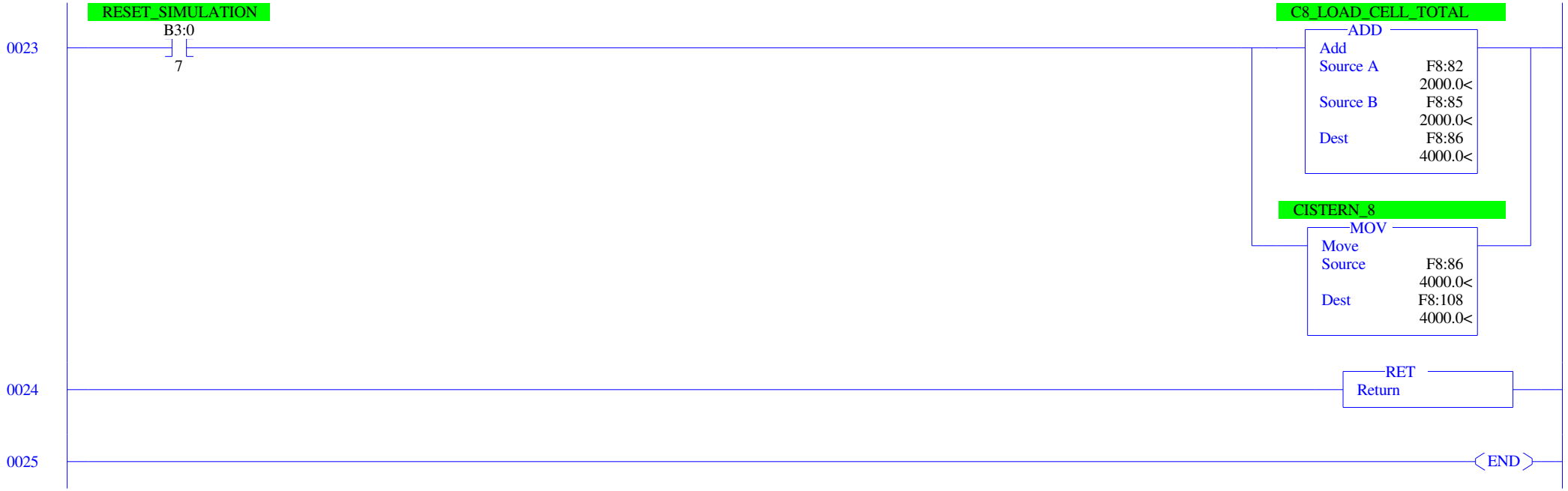
LAD 9 - LOAD CELLS - Load Cells for Cisterns 1 to 8 --- Total Rungs in File = 26



LAD 9 - LOAD CELLS - Load Cells for Cisterns 1 to 8 --- Total Rungs in File = 26



LAD 9 - LOAD CELLS - Load Cells for Cisterns 1 to 8 --- Total Rungs in File = 26



LAD 10 - CALC RO LB - Calculate RO Water Pounds, Density Lookup Table --- Total Rungs in File = 18

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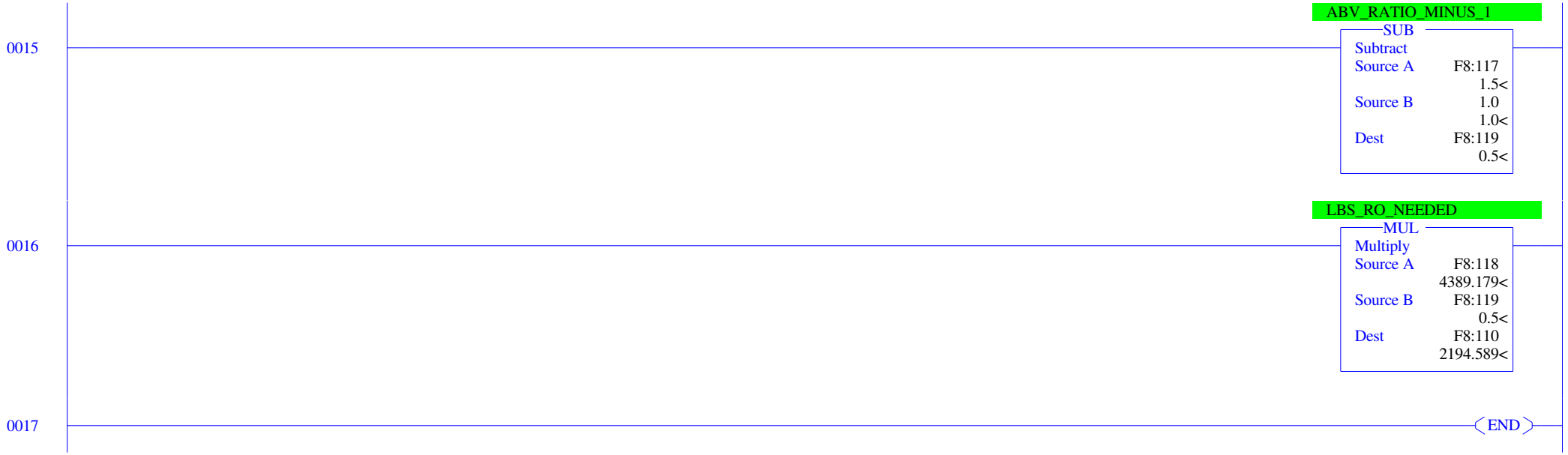

LAD 11 - INIT SIMUL - Initialize Simulation to Restart From Known Data --- Total Rungs in File = 13

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Data File O0 (bin) -- OUTPUT

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	1	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

Data File I1 (bin) -- INPUT

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	1	0	0	0	0	0	1	0	1	Bul.1763	MicroLogix 1100 Series B-Analog Inp 0
I:0.5	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	Bul.1763	MicroLogix 1100 Series B-Analog Inp 1

Main

Processor Mode S:1/0 - S:1/4 = Remote Run
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 1111-1001-1011-0001

Proc

OS Catalog Number S:57 = 1100
OS Series S:58 = B
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =
User Program Type S:63 = 8108h
Compiler Revision Number S:64 =

Scan Times

Maximum (x10 ms) S:22 = 52
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 27
Scan Toggle Bit S:33/9 = 0

Math

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

Chan 0

Processor Mode S:1/0- S:1/4 = Remote Run
Node Address S:15 (low byte) = 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
Outgoing Msg Cmd Pending S:33/2 = 0

Debug

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

Errors

Fault Override At Power Up S:1/8 = 0
Startup Protection Fault S:1/9 = 0
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0
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

Fault Routine S:29 = 0
Major Error S:6 = 0h

Error Description:

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 = Yes

Data File B3 (bin) -- BINARY

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

Data File T4 -- TIMER

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol) Description
T4:0	0	0	0	.01 sec	500	0	(RO_PUMP_START_DELAY)
T4:1	0	0	0	.01 sec	10	0	(PULSE_TIMER)

Data File C5 -- COUNTER

Offset	CU	CD	DN	OV	UN	UA	PRE	ACC	(Symbol)	Description
C5:0	0	0	1	1	0	0	32767	1892		

Data File R6 -- CONTROL

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		

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0	200	3729	644	0	60	40	0	0	0	0
N7:10	0									

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0	31062.57	0	0	0
F8:5	0	0	0	0	0
F8:10	1000	1000	2000	1000	1000
F8:15	2000	4000	0	0	0
F8:20	1500	1500	3000	1500	1500
F8:25	3000	6000	0	0	0
F8:30	2100	2100	4200	2100	2100
F8:35	4200	8400	0	0	0
F8:40	20	20	40	20	20
F8:45	40	80	0	0	0
F8:50	5100	5100	10200	5100	5100
F8:55	10200	20400	0	0	0
F8:60	10000	10000	20000	10000	10000
F8:65	20000	40000	0	0	0
F8:70	4000	4000	8000	4000	4000
F8:75	8000	16000	0	0	0
F8:80	1000	1000	2000	1000	1000
F8:85	2000	4000	0	0	0
F8:90	0	0	0	0	0
F8:95	0	0	0	0	0
F8:100	-0.99102	4205.654	8503.617	10000.47	80
F8:105	20400	40000	16000	4000	0
F8:110	2194.589	4000	8.3302	7.591579	60
F8:115	40	1.097295	1.5	4389.179	0.5

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV	BLW
B3:0/0	RO_OK_TO_PUMP	Global					
B3:0/7	RESET_SIMULATION	Global					
B3:1/0	CISTERN_SELECTED	Global					
B3:1/1	CIS_1_SELECTED	Global					
B3:1/2	CIS_2_SELECTED	Global					
B3:1/3	CIS_3_SELECTED	Global					
B3:1/4	CIS_4_SELECTED	Global					
B3:1/5	CIS_5_SELECTED	Global					
B3:1/6	CIS_6_SELECTED	Global					
B3:1/7	CIS_7_SELECTED	Global					
B3:1/8	CIS_8_SELECTED	Global					
B3:2/0	START_PUMP_FROM_HMI	Global					
B3:2/1	RO_PUMPING_COMPLETE	Global					
B3:2/2	CISTERN_HL_FAULT	Global					
B3:2/3	RO_PUMP_START	Global					
B3:2/4	RO_START_SIGNAL	Global					
B3:2/5							
B3:2/10	ONE_SHOT_6	Global					
B3:2/11	ONE_SHOT_5	Global					
B3:2/12	ONE_SHOT_4	Global					
B3:2/13	ONE_SHOT_3	Global					
B3:2/14	ONE_SHOT_1	Global					
B3:2/15	ONE_SHOT_2	Global					
B3:4/0	TOGGLE_BIT_0	Global					
F8:0	CONVERT_TO_LBS_OF_RO	Global					
F8:1	RO_LBS_AVAILABLE	Global					
F8:2							
F8:3	RO_LBS_PER_TENTH_SEC	Global					
F8:4	RO_TOTAL_LBS_PUMPED	Global					
F8:10	C1_LOAD_CELL_1	Global					
F8:11	C1_LOAD_CELL_2	Global					
F8:12	C1_LC1_PLUS_LC2	Global					
F8:13	C1_LOAD_CELL_3	Global					
F8:14	C1_LOAD_CELL_4	Global					
F8:15	C1_LC3_PLUS_LC4	Global					
F8:16	C1_LOAD_CELL_TOTAL	Global					
F8:17							
F8:18							
F8:20	C2_LOAD_CELL_1	Global					
F8:21	C2_LOAD_CELL_2	Global					
F8:22	C2_LC1_PLUS_LC2	Global					
F8:23	C2_LOAD_CELL_3	Global					
F8:24	C2_LOAD_CELL_4	Global					
F8:25	C2_LC3_PLUS_LC4	Global					
F8:26	C2_LOAD_CELL_TOTAL	Global					
F8:30	C3_LOAD_CELL_1	Global					
F8:33							
F8:35	C3_LC3_PLUS_LC4	Global					
F8:36	C3_LOAD_CELL_TOTAL	Global					
F8:40	C4_LOAD_CELL_1	Global					
F8:45	C4_LC3_PLUS_LC4	Global					
F8:46	C4_LOAD_CELL_TOTAL	Global					
F8:50	C5_LOAD_CELL_1	Global					
F8:55	C5_LC3_PLUS_LC4	Global					
F8:56	C5_LOAD_CELL_TOTAL	Global					
F8:60	C6_LOAD_CELL_1	Global					
F8:65	C6_LC3_PLUS_LC4	Global					
F8:66	C6_LOAD_CELL_TOTAL	Global					
F8:70	C7_LOAD_CELL_1	Global					
F8:75	C7_LC3_PLUS_LC4	Global					
F8:76	C7_LOAD_CELL_TOTAL	Global					
F8:80	C8_LOAD_CELL_1	Global					
F8:85	C8_LC3_PLUS_LC4	Global					

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV	BLW
F8:86	C8_LOAD_CELL_TOTAL	Global					
F8:100	B_DENSITY_FORMULA	Global					
F8:101	CISTERN_1	Global					
F8:102	CISTERN_2	Global					
F8:103	CISTERN_3	Global					
F8:104	CISTERN_4	Global					
F8:105	CISTERN_5	Global					
F8:106	CISTERN_6	Global					
F8:107	CISTERN_7	Global					
F8:108	CISTERN_8	Global					
F8:110	LBS_RO_NEEDED	Global					
F8:111	LBS_BOURBON	Global					
F8:112	DENSITY_OF_RO_WATER	Global					
F8:113	B_DENS_FORM_RESULT	Global					
F8:114	INITIAL_ABV_FROM_HMI	Global					
F8:115	FINAL_ABV_FROM_HMI	Global					
F8:116	DENSITY_RATIO	Global					
F8:117	ABV_RATIO	Global					
F8:118	B_LBS_X_DEN_RATIO	Global					
F8:119	ABV_RATIO_MINUS_1	Global					
F9:[N7:4]	LOOK_UP_DENSITY	Global					
I:0/1	VALVE_TEST	Global					
I:0/4	LOCAL_PANEL_START	Global					
I:0/7	RESET_SIMULATION_PB	Global					
I:0/16							
I:0/17	CIST_1_HIGH_LEVEL_FS	Global					
I:0/18	CIST_2_HIGH_LEVEL_FS	Global					
I:0/19	CIST_3_HIGH_LEVEL_FS	Global					
I:0/20	CIST_4_HIGH_LEVEL_FS	Global					
I:0/21	CIST_5_HIGH_LEVEL_FS	Global					
I:0/22	CIST_6_HIGH_LEVEL_FS	Global					
I:0/23	CIST_7_HIGH_LEVEL_FS	Global					
I:0/24	CIST_8_HIGH_LEVEL_FS	Global					
I:0.4	RO_WATER_LEVEL	Global					
I:0.5	RO_FLOW_SENSOR	Global					
I:0/94							
I:1/0							
N7:0	RO_POUNDS_REQUESTED	Global					
N7:1	RO_GALLONS_AVAILABLE	Global					
N7:2	RO_GAL_PER_MIN_X10	Global					
N7:3							
N7:4	INITIAL_MEASURED_ABV	Global					
N7:5	FINAL_DESIRED_ABV	Global					
O:0/0							
O:0/1	CISTERN_1_VALVE_OPEN	Global					
O:0/2	CISTERN_2_VALVE_OPEN	Global					
O:0/3	CISTERN_3_VALVE_OPEN	Global					
O:0/4	CISTERN_4_VALVE_OPEN	Global					
O:0/5	CISTERN_5_VALVE_OPEN	Global					
O:0/6	CISTERN_6_VALVE_OPEN	Global					
O:0/7	CISTERN_7_VALVE_OPEN	Global					
O:0/8	CISTERN_8_VALVE_OPEN	Global					
O:0/16	RO_PUMP_ON	Global					
S:0			Arithmetic Flags				
S:0/0			Processor Arithmetic Carry Flag				
S:0/1			Processor Arithmetic Underflow/ Overflow Flag				
S:0/2			Processor Arithmetic Zero Flag				
S:0/3			Processor Arithmetic Sign Flag				
S:1			Processor Mode Status/ Control				
S:1/0			Processor Mode Bit 0				
S:1/1			Processor Mode Bit 1				
S:1/2			Processor Mode Bit 2				
S:1/3			Processor Mode Bit 3				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV	BLW
S:1/4			Processor Mode Bit 4				
S:1/5			Forces Enabled				
S:1/6			Forces Present				
S:1/7			Comms Active				
S:1/8			Fault Override at Powerup				
S:1/9			Startup Protection Fault				
S:1/10			Load Memory Module on Memory Error				
S:1/11			Load Memory Module Always				
S:1/12			Load Memory Module and RUN				
S:1/13			Major Error Halted				
S:1/14			Access Denied				
S:1/15			First Pass				
S:2/0			STI Pending				
S:2/1			STI Enabled				
S:2/2			STI Executing				
S:2/3			Index Addressing File Range				
S:2/4			Saved with Debug Single Step				
S:2/5			DH-485 Incoming Command Pending				
S:2/6			DH-485 Message Reply Pending				
S:2/7			DH-485 Outgoing Message Command Pending				
S:2/15			Comms Servicing Selection				
S:3			Current Scan Time/ Watchdog Scan Time				
S:4			Time Base				
S:5/0			Overflow Trap				
S:5/2			Control Register Error				
S:5/3			Major Err Detected Executing UserFault Routine				
S:5/4			M0-M1 Referenced on Disabled Slot				
S:5/8			Memory Module Boot				
S:5/9			Memory Module Password Mismatch				
S:5/10			STI Overflow				
S:5/11			Battery Low				
S:6			Major Error Fault Code				
S:7			Suspend Code				
S:8			Suspend File				
S:9			Active Nodes				
S:10			Active Nodes				
S:11			I/O Slot Enables				
S:12			I/O Slot Enables				
S:13			Math Register				
S:14			Math Register				
S:15			Node Address/ Baud Rate				
S:16			Debug Single Step Rung				
S:17			Debug Single Step File				
S:18			Debug Single Step Breakpoint Rung				
S:19			Debug Single Step Breakpoint File				
S:20			Debug Fault/ Powerdown Rung				
S:21			Debug Fault/ Powerdown File				
S:22			Maximum Observed Scan Time				
S:23			Average Scan Time				
S:24			Index Register				
S:25			I/O Interrupt Pending				
S:26			I/O Interrupt Pending				
S:27			I/O Interrupt Enabled				
S:28			I/O Interrupt Enabled				
S:29			User Fault Routine File Number				
S:30			STI Setpoint				
S:31			STI File Number				
S:32			I/O Interrupt Executing				
S:33			Extended Proc Status Control Word				
S:33/0			Incoming Command Pending				
S:33/1			Message Reply Pending				
S:33/2			Outgoing Message Command Pending				
S:33/3			Selection Status User/DF1				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV	BLW
S:33/4			Communicat Active				
S:33/5			Communicat Servicing Selection				
S:33/6			Message Servicing Selection Channel 0				
S:33/7			Message Servicing Selection Channel 1				
S:33/8			Interrupt Latency Control Flag				
S:33/9			Scan Toggle Flag				
S:33/10			Discrete Input Interrupt Reconfigur Flag				
S:33/11			Online Edit Status				
S:33/12			Online Edit Status				
S:33/13			Scan Time Timebase Selection				
S:33/14			DTR Control Bit				
S:33/15			DTR Force Bit				
S:34			Pass-thru Disabled				
S:34/0			Pass-Thru Disabled Flag				
S:34/1			DH+ Active Node Table Enable Flag				
S:34/2			Floating Point Math Flag Disable,Fl				
S:35			Last 1 ms Scan Time				
S:36			Extended Minor Error Bits				
S:36/8			DII Lost				
S:36/9			STI Lost				
S:36/10			Memory Module Data File Overwrite Protection				
S:37			Clock Calendar Year				
S:38			Clock Calendar Month				
S:39			Clock Calendar Day				
S:40			Clock Calendar Hours				
S:41			Clock Calendar Minutes				
S:42			Clock Calendar Seconds				
S:43			STI Interrupt Time				
S:44			I/O Event Interrupt Time				
S:45			DII Interrupt Time				
S:46			Discrete Input Interrupt- File Number				
S:47			Discrete Input Interrupt- Slot Number				
S:48			Discrete Input Interrupt- Bit Mask				
S:49			Discrete Input Interrupt- Compare Value				
S:50			Processor Catalog Number				
S:51			Discrete Input Interrupt- Return Number				
S:52			Discrete Input Interrupt- Accumulat				
S:53			Reserved/ Clock Calendar Day of the Week				
S:55			Last DII Scan Time				
S:56			Maximum Observed DII Scan Time				
S:57			Operating System Catalog Number				
S:58			Operating System Series				
S:59			Operating System FRN				
S:61			Processor Series				
S:62			Processor Revision				
S:63			User Program Type				
S:64			User Program Functional Index				
S:65			User RAM Size				
S:66			Flash EEPROM Size				
S:67			Channel 0 Active Nodes				
S:68			Channel 0 Active Nodes				
S:69			Channel 0 Active Nodes				
S:70			Channel 0 Active Nodes				
S:71			Channel 0 Active Nodes				
S:72			Channel 0 Active Nodes				
S:73			Channel 0 Active Nodes				
S:74			Channel 0 Active Nodes				
S:75			Channel 0 Active Nodes				
S:76			Channel 0 Active Nodes				
S:77			Channel 0 Active Nodes				
S:78			Channel 0 Active Nodes				
S:79			Channel 0 Active Nodes				
S:80			Channel 0 Active Nodes				

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code	ABV	BLW
S:81			Channel 0 Active Nodes				
S:82			Channel 0 Active Nodes				
S:83			DH+ Active Nodes				
S:84			DH+ Active Nodes				
S:85			DH+ Active Nodes				
S:86			DH+ Active Nodes				
T4:0	RO_PUMP_START_DELAY	Global					
T4:0/DN	RO_PUMP_DELAY_DONE	Global					
T4:1	PULSE_TIMER	Global					
T4:1/DN	PULSE_TIMER_DONE	Global					
T4:1/EN							
U:3	RO_WATER_REQUESTED	Global					
U:4	SELECT_CISTERN	Global					
U:5	HIGH_LEVEL_FAULTS	Global					
U:6	OPEN_RO_VALVE	Global					
U:7	RO_PUMPING	Global					
U:8	RO_WATER_TO_CISTERN	Global					
U:9	LOAD_CELLS	Global					
U:10	CALCULATE_RO_LBS	Global					
U:11	INITIALIZE_SIM	Global					

Instruction Comment Database

Address	Instruction	Description

Group_Name Description