

PLC tags table

SIMATIC

waterplant\

06/17/2023 07:58:27 PM

SIMATIC 300(1)\CPU 314C-2 DP\S7 Program(1)\Symbols

Properties of symbol table				
Name:	Symbols			
Author:				
Comment:				
Created on	05/12/2023 11:31:49 PM			
Last modified on:	06/15/2023 06:16:40 PM			
Last filter criterion:	All Symbols			
Number of symbols:	96/96			
Last Sorting:	Symbol Ascending			
Status	Symbol	Address	Data type	Comment
	air blower force stop	M 3.7	BOOL	
	air valve relay	M 1.2	BOOL	
	air valve relay 2	M 4.2	BOOL	
	air valve test scada	M 1.3	BOOL	
	air valve timer	T 6	TIMER	
	air valve1	Q 1.1	BOOL	hardware output
	AL2SO4 open time	T 1	TIMER	
	AL2SO4 valve	Q 0.1	BOOL	
	alarm	Q 1.4	BOOL	
	alarm on scada	M 2.3	BOOL	
	alarm on scada relay	M 4.1	BOOL	
	before wash time	T 8	TIMER	delay time before start washing
	clarifier before start t	T 20	TIMER	
	clarifier force stop t	T 18	TIMER	
	clarifier off time	T 2	TIMER	
	clarifier on time	T 3	TIMER	
	delay time before alarm	T 12	TIMER	
	enter valve 1 delay time	T 10	TIMER	
	enter valve 2 delay time	T 11	TIMER	
	enter valve filter1	Q 0.5	BOOL	
	enter valve filter2	Q 0.6	BOOL	
	factory reset scada	M 2.4	BOOL	
	factory reset timer	T 13	TIMER	
	filter tank H-L relay	M 2.6	BOOL	
	flash mixer	Q 0.2	BOOL	
	force stop AL2SO4	M 3.2	BOOL	
	force stop clarifier	M 3.6	BOOL	
	force stop flash mixer	M 3.3	BOOL	
	force stop light	M 4.4	BOOL	
	force stop raw pump	M 3.1	BOOL	
	force stop slow mixer	M 3.4	BOOL	
	force stop sludge pump	M 3.5	BOOL	
	high filter tank1	I 0.4	BOOL	
	high filter tank2	I 0.6	BOOL	
	high treat tank dist	T 4	TIMER	
	led	Q 1.5	BOOL	
	led photo sensor	I 1.4	BOOL	
	led test from scada	M 1.1	BOOL	
	LEVsensor before treat	I 1.2	BOOL	
	LEVsensor flash mixer	I 1.0	BOOL	
	LEVsensor Raw tank	I 0.1	BOOL	
	LEVsensor slow mixer	I 1.1	BOOL	
	low filter tank1	I 0.3	BOOL	
	low filter tank2	I 0.5	BOOL	
	PLC OK	M 0.0	BOOL	
	raw feedback t befoalarm	T 15	TIMER	
	raw pump	Q 0.0	BOOL	

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Status	Symbol	Address	Data type	Comment
	raw pump feedback alarm	M 3.0	BOOL	
	raw pump force stop t	T 19	TIMER	
	raw pump run feedback	I 0.2	BOOL	
	raw stop by alarm	T 16	TIMER	
	reset alarm scada	M 2.1	BOOL	
	reset hardware alarm	M 2.2	BOOL	
	reset sludge clarifier	M 0.1	BOOL	
	restart rev wash scada	M 4.5	BOOL	
	rev wash reminder scada	MD 212	DWORD	
	reverse wash time scada	MW 150	WORD	
	reverser timer reminder	MD 210	DWORD	
	S5TI_TIM	FC 33	FC 33	S5 Time to IEC Time
	service intake	I 1.5	BOOL	
	slow mixer	Q 0.3	BOOL	
	sludge clarifier off sca	MW 50	WORD	
	sludge clarifier on sca	MW 80	WORD	
	sludge clarifier relay	M 0.2	BOOL	
	sludge H-sensor tank	I 0.7	BOOL	
	sludge L-sensor tank	I 1.3	BOOL	
	sludge motor clarifier	Q 0.4	BOOL	
	sludge pipe color scada	M 1.0	BOOL	
	sludge pump	Q 1.3	BOOL	
	sludge pump force stop t	T 17	TIMER	
	sludge pump relay	M 2.7	BOOL	
	sludge time message	M 2.0	BOOL	
	sludge valve filter1	Q 1.6	BOOL	
	sludge valve filter2	Q 1.7	BOOL	
	start system	I 0.0	BOOL	
	start system timer	T 14	TIMER	
	system run for scada	M 2.5	BOOL	
	test clarifier from scad	M 0.3	BOOL	
	test flash mixer scada	M 0.5	BOOL	
	test raw pump scada	M 0.4	BOOL	
	test slow mixer scada	M 0.6	BOOL	
	test sludge pump scada	M 0.7	BOOL	
	TIM_S5TI	FC 40	FC 40	IEC Time to S5 Time
	timer before wash proces	T 21	TIMER	
	traet pipe color	M 1.4	BOOL	
	treat 2 dist.	T 7	TIMER	
	treat1	Q 0.7	BOOL	
	treat1 dist	T 9	TIMER	
	treat2	Q 1.0	BOOL	
	wash pump force stop	M 4.0	BOOL	
	wash timer process	T 5	TIMER	
	wash water relay	M 1.5	BOOL	
	wash water relay 2	M 4.3	BOOL	
	wash water test scada	M 1.6	BOOL	
	wash water1	Q 1.2	BOOL	
	zero washing time messag	M 1.7	BOOL	

SCADA tags table

SIMATIC WinCC flexible6/17/2023 - 8:05:32 PM

Tags

|Device\_1|Communication|Tags

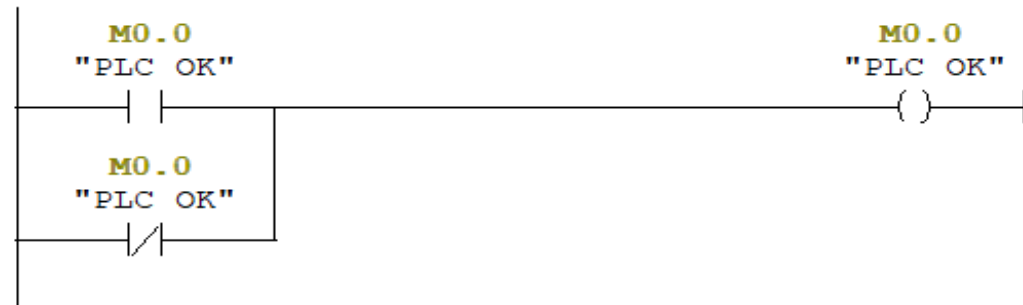
Tags

Name	Display name	Connection	Data type	Length
air blower force stop		plc	Bool	0
air valve1		plc	Bool	0
AL2SO4		plc	Bool	0
alarm		plc	Bool	0
enter valve filter1		plc	Bool	0
enter valve filter2		plc	Bool	0
factory reset		plc	Bool	0
filter tank 1 full		plc	Bool	0
flash mixer		plc	Bool	0
force stop AL2SO4		plc	Bool	0
force stop clarifier		plc	Bool	0
force stop flash mixer		plc	Bool	0
force stop light		plc	Bool	0
force stop raw pump		plc	Bool	0
force stop slow mixer		plc	Bool	0
force stop sludge pump		plc	Bool	0
high filter tank1		plc	Bool	0
led		plc	Bool	0
led sensor		plc	Bool	0
led test		plc	Bool	0
LEVsensor before treat		plc	Bool	0
LEVsensor flash mixer		plc	Bool	0
LEVsensor raw tank		plc	Bool	0
LEVsensor slow mixer		plc	Bool	0
low filter tank1		plc	Bool	0
low filter tank2		plc	Bool	0
no time for sludge alarm		plc	Bool	0
no time for wash alarm		plc	Bool	0

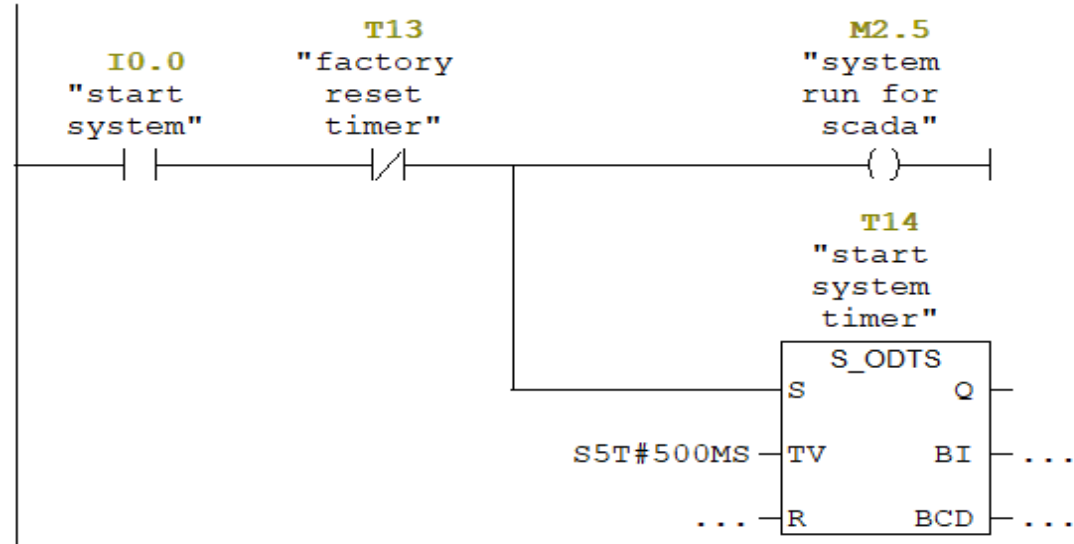
SIMATIC WinCC flexible6/17/2023 - 8:05:32 PM

Name	Display name	Connection	Data type	Length
plc ok		plc	Bool	0
raw pump		plc	Bool	0
raw pump feedback alarm		plc	Bool	0
raw pump run feedback		plc	Bool	0
reset alarm		plc	Bool	0
reset sludge motor clarifier		plc	Bool	0
restart reverse wash		plc	Bool	0
reverse wash timer		plc	Word	2
service intake		plc	Bool	0
slow mixer		plc	Bool	0
sludge H- sensor tank		plc	Bool	0
sludge L- sensor tank		plc	Bool	0
sludge motor clarifier		plc	Bool	0
sludge motor off reminder		plc	Real	4
sludge motor off time		plc	Word	2
sludge motor on time		plc	Word	2
sludge motor on time reminder		plc	Real	4
sludge pipe color		plc	Bool	0
sludge pump		plc	Bool	0
sludge valve buttom filter1		plc	Bool	0
system ready		plc	Bool	0
test air blower		plc	Bool	0
test clarifier manual		plc	Bool	0
test flash mixer scada		plc	Bool	0
test raw pump		plc	Bool	0
test slow mixer scada		plc	Bool	0
test sludge pump scada		plc	Bool	0
test wash pump		plc	Bool	0
treat pipe color		plc	Bool	0
treat1		plc	Bool	0
treat2		plc	Bool	0
wash pump force stop		plc	Bool	0
wash timer reminer		plc	Real	4
wash water test		plc	Bool	0
wash water1		plc	Bool	0

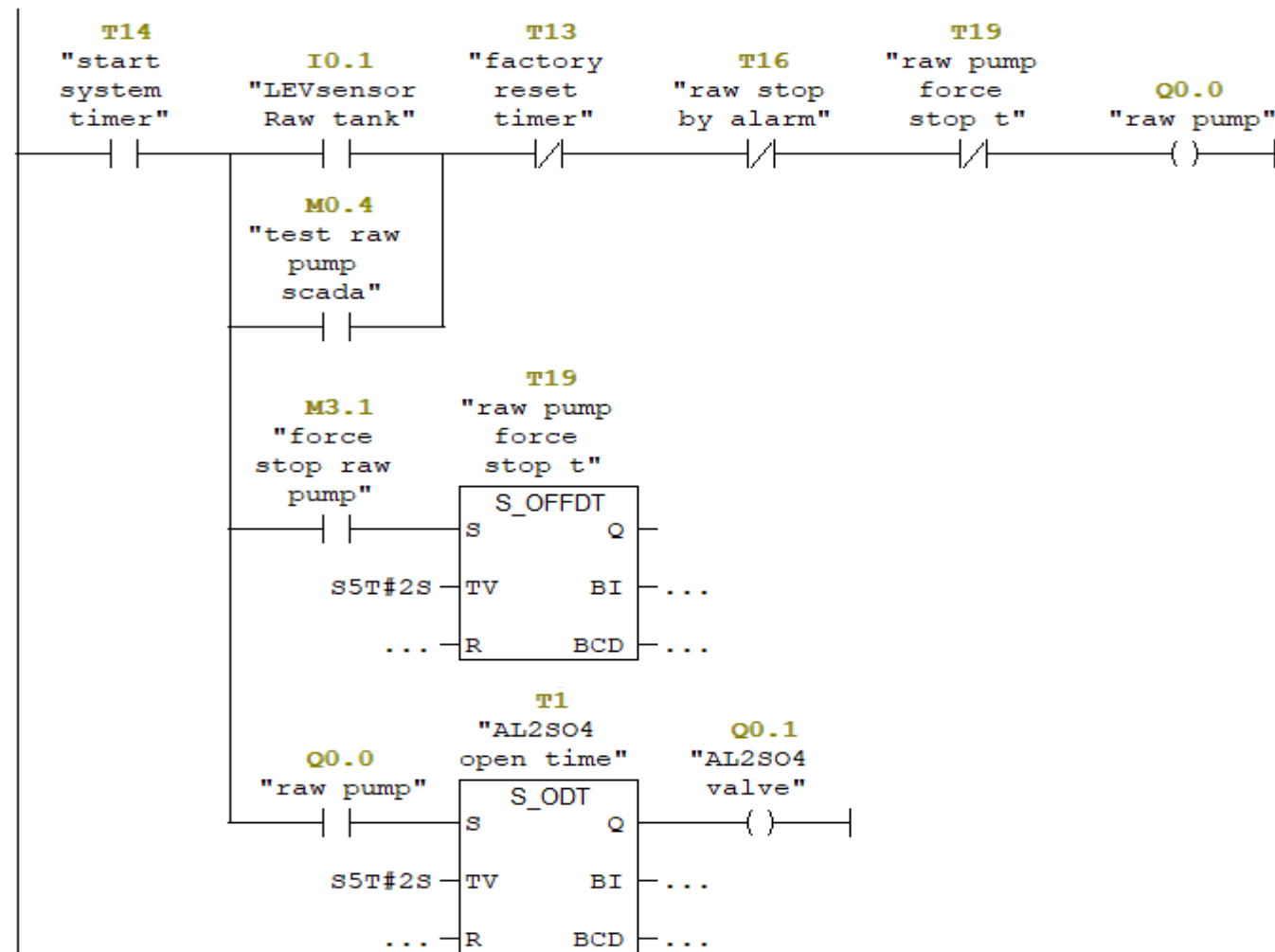
### Network 1: PLC conn. for scada



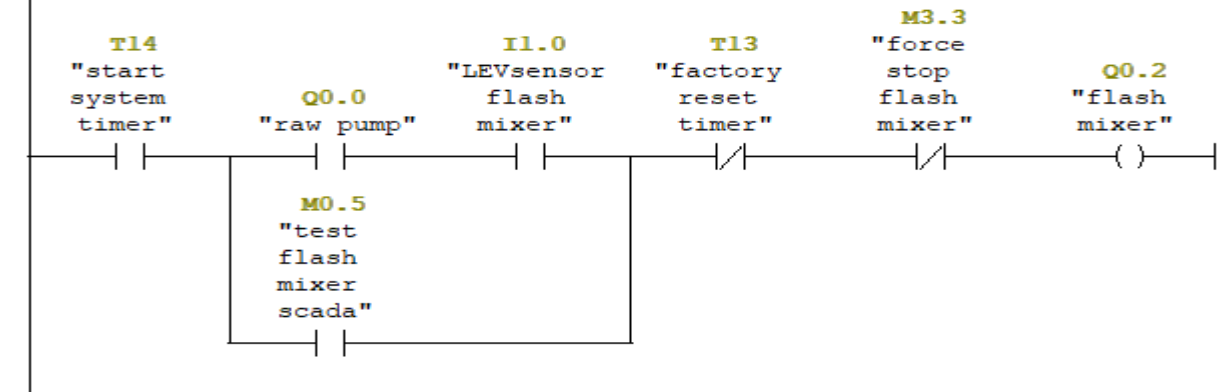
### Network 2: system run for scada



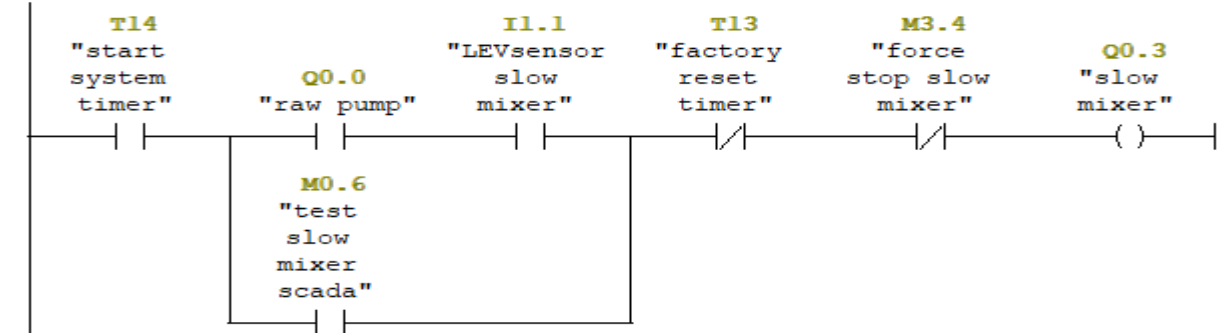
### Network 3: raw pump system operation



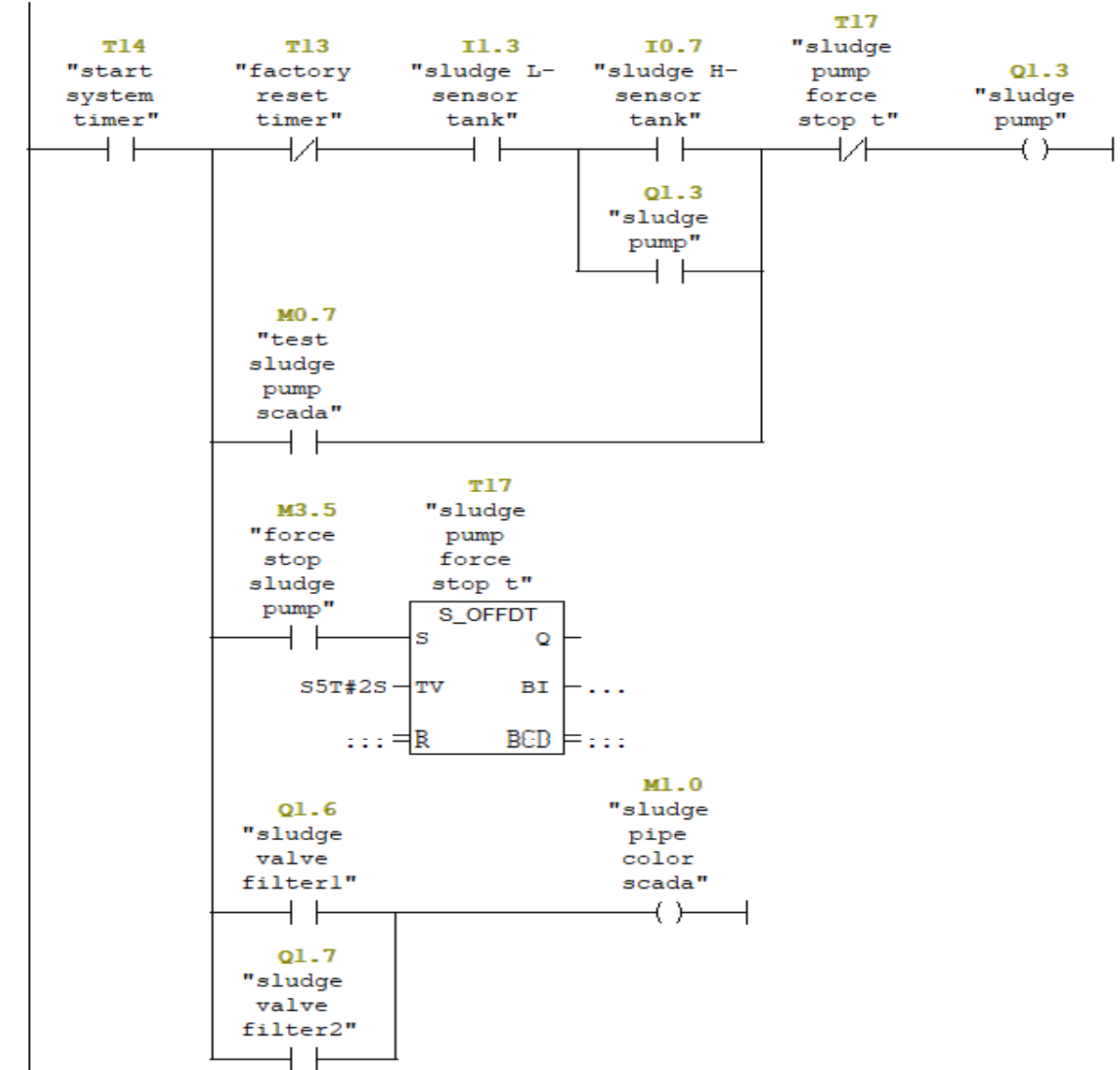
### Network 4: flash mixer network



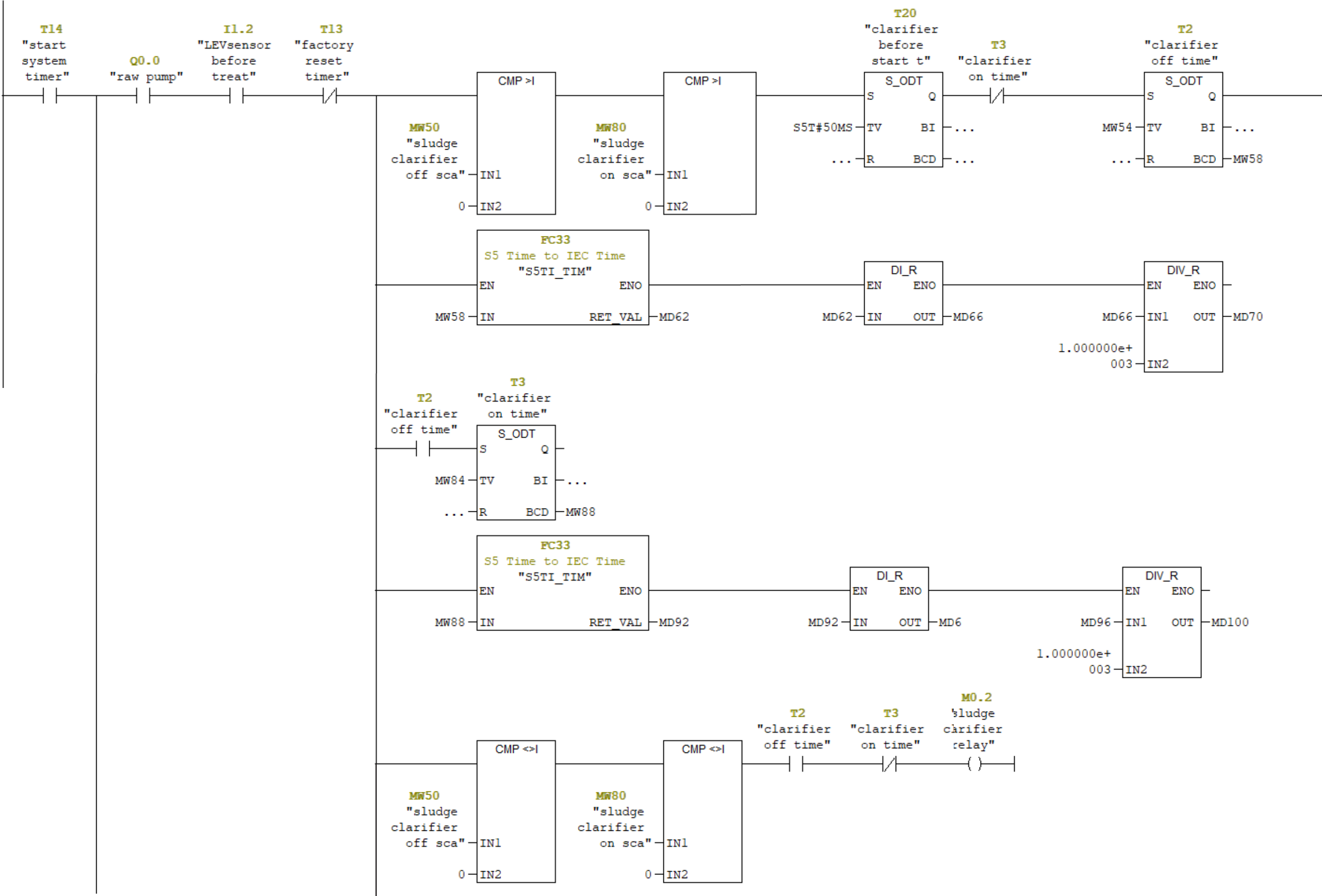
### Network 5: slow mixer network

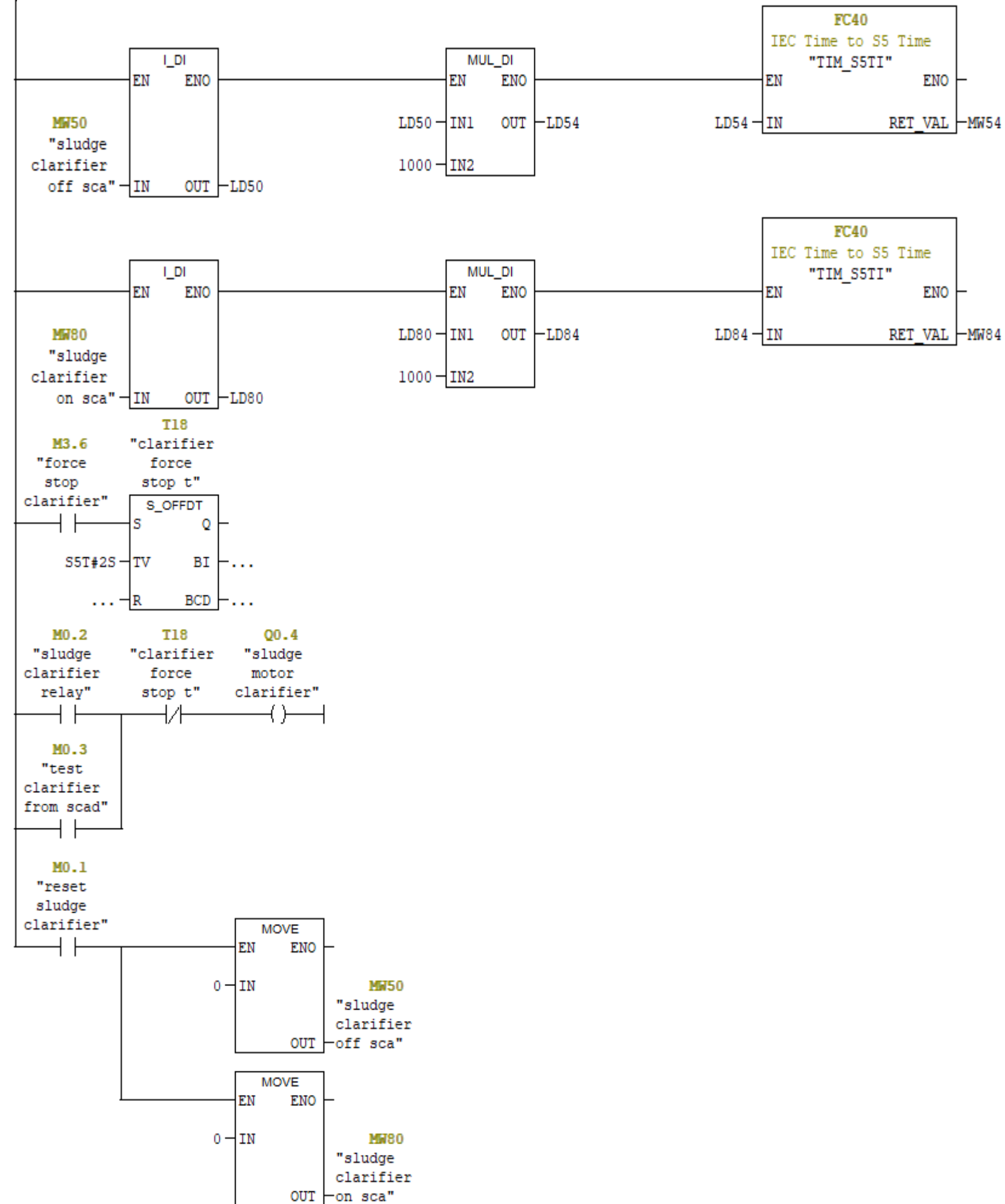


### Network 6: sludge pump network

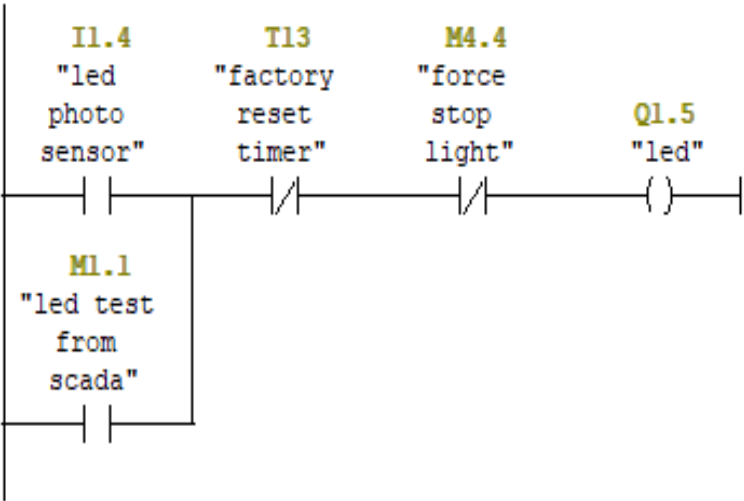


Network 7: sludge motor clarifier timer operation

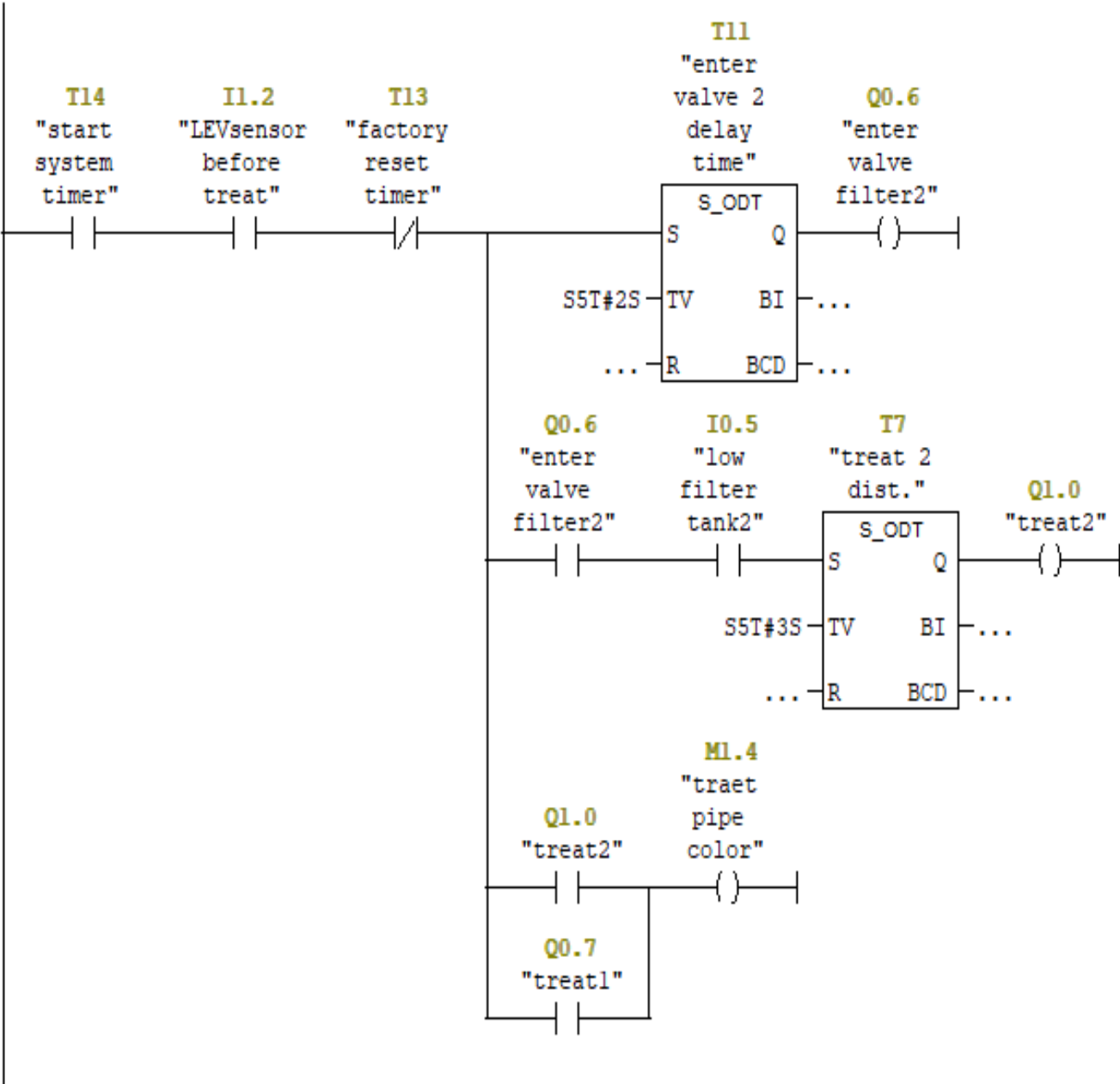


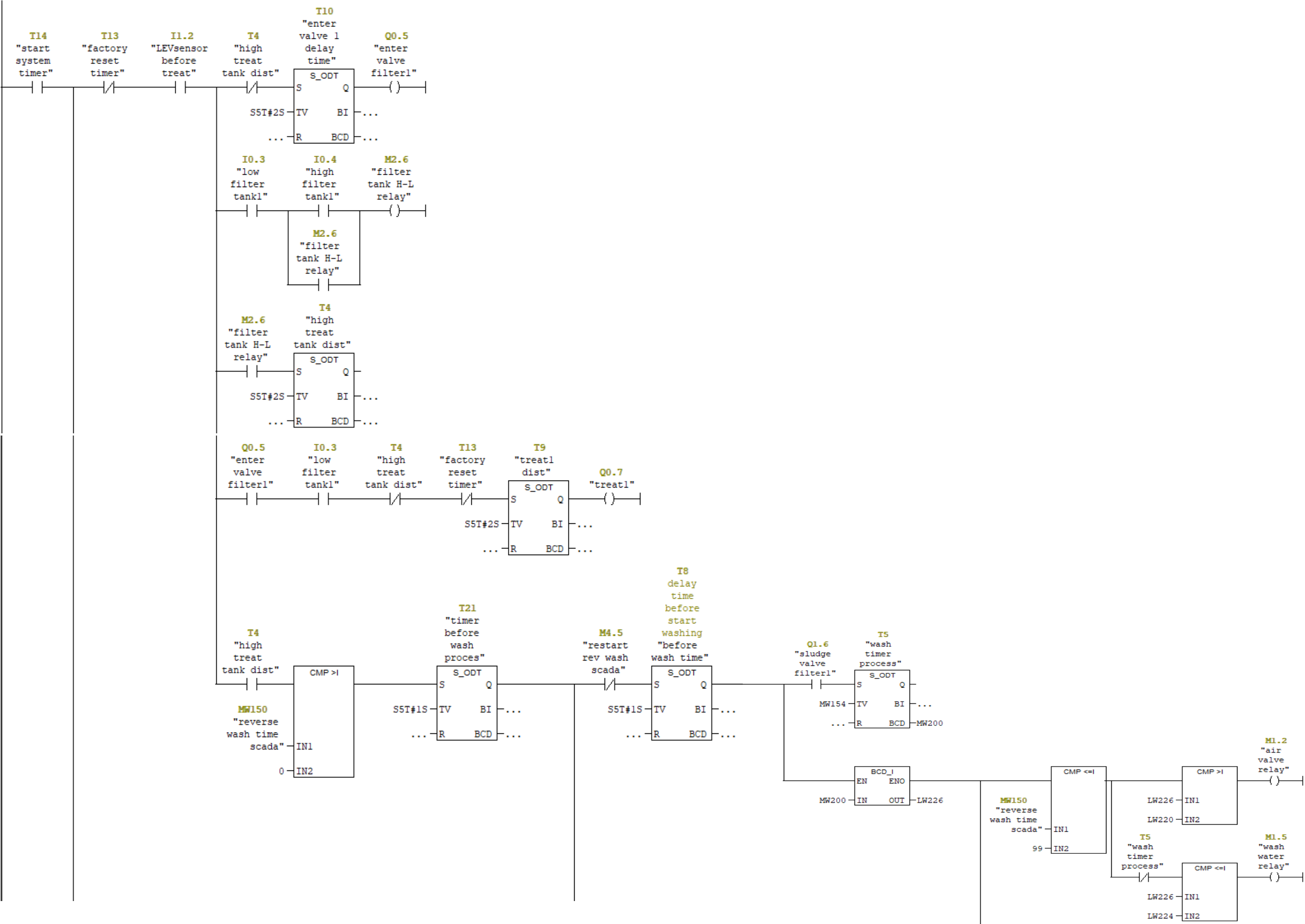


Network 8 : lighting system

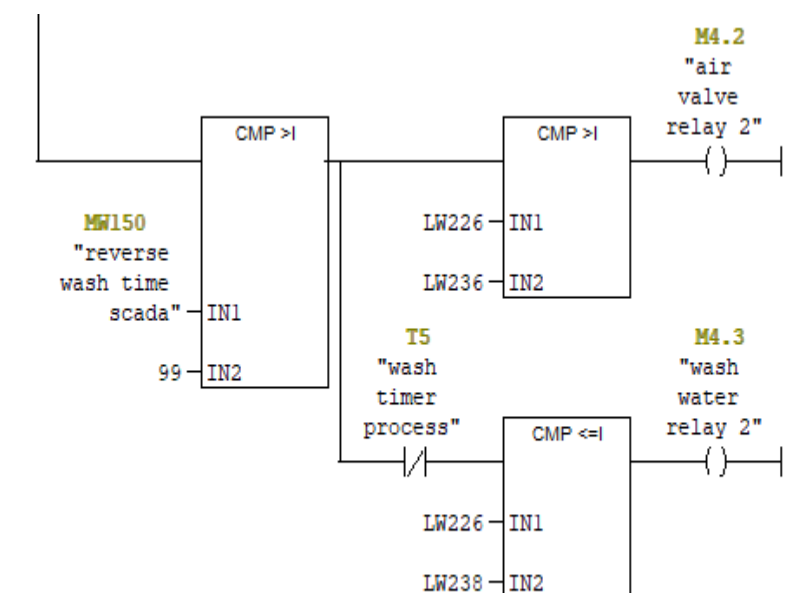
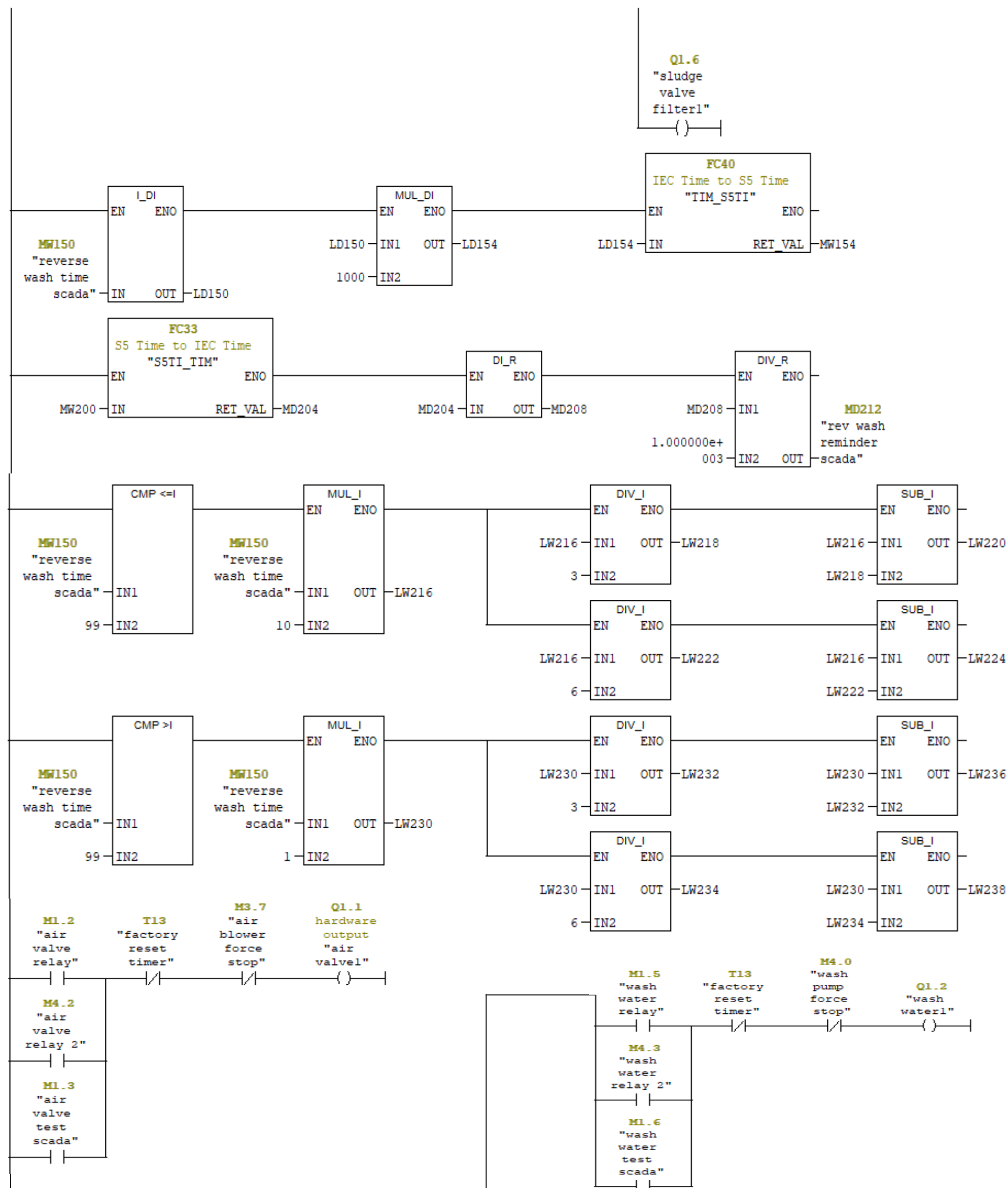


Network 9 : treat tank 2



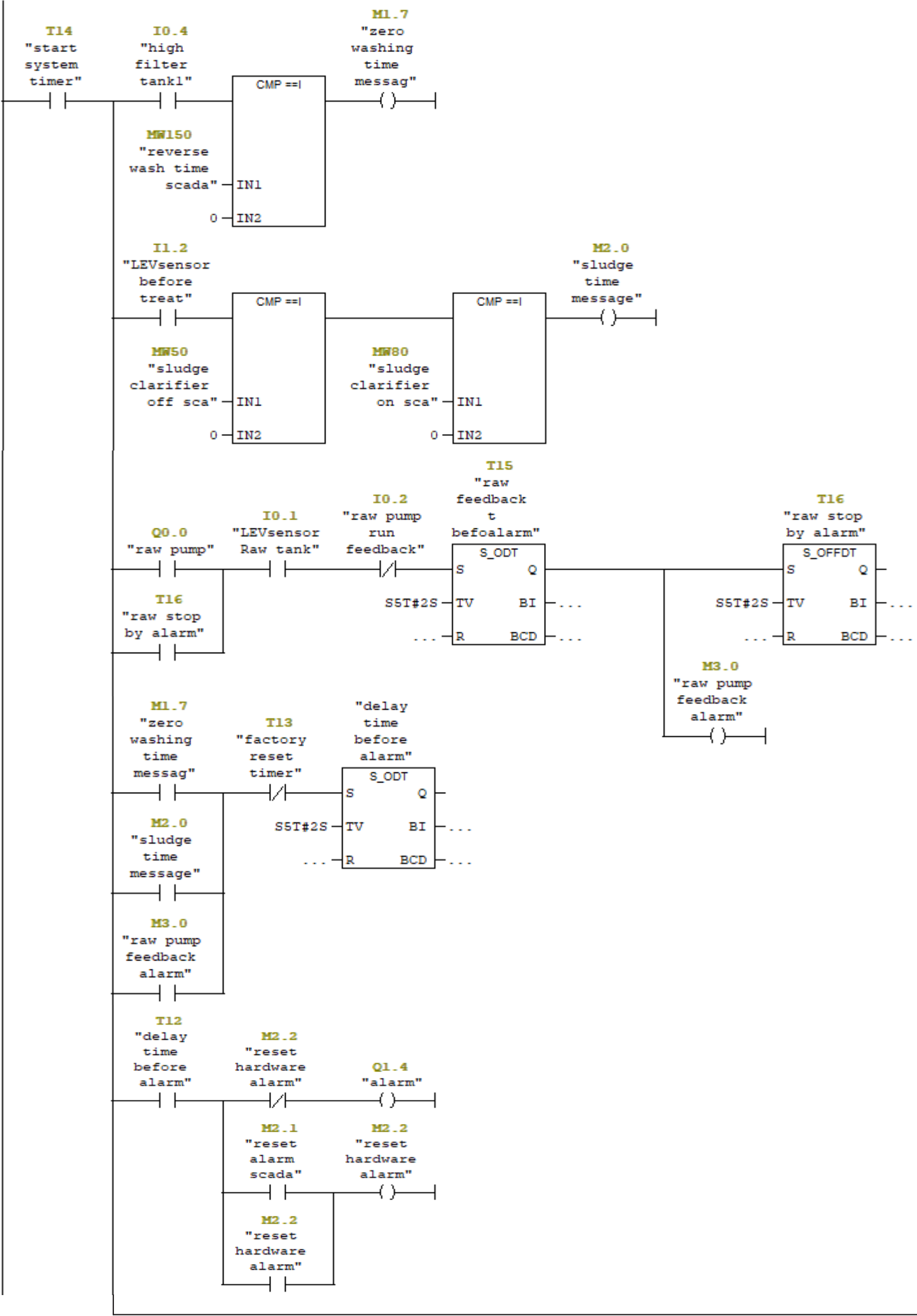








Network 11 : alarms



Network 12 : plant reset

