

TECHNICAL DOCUMENTATION

SP9_6

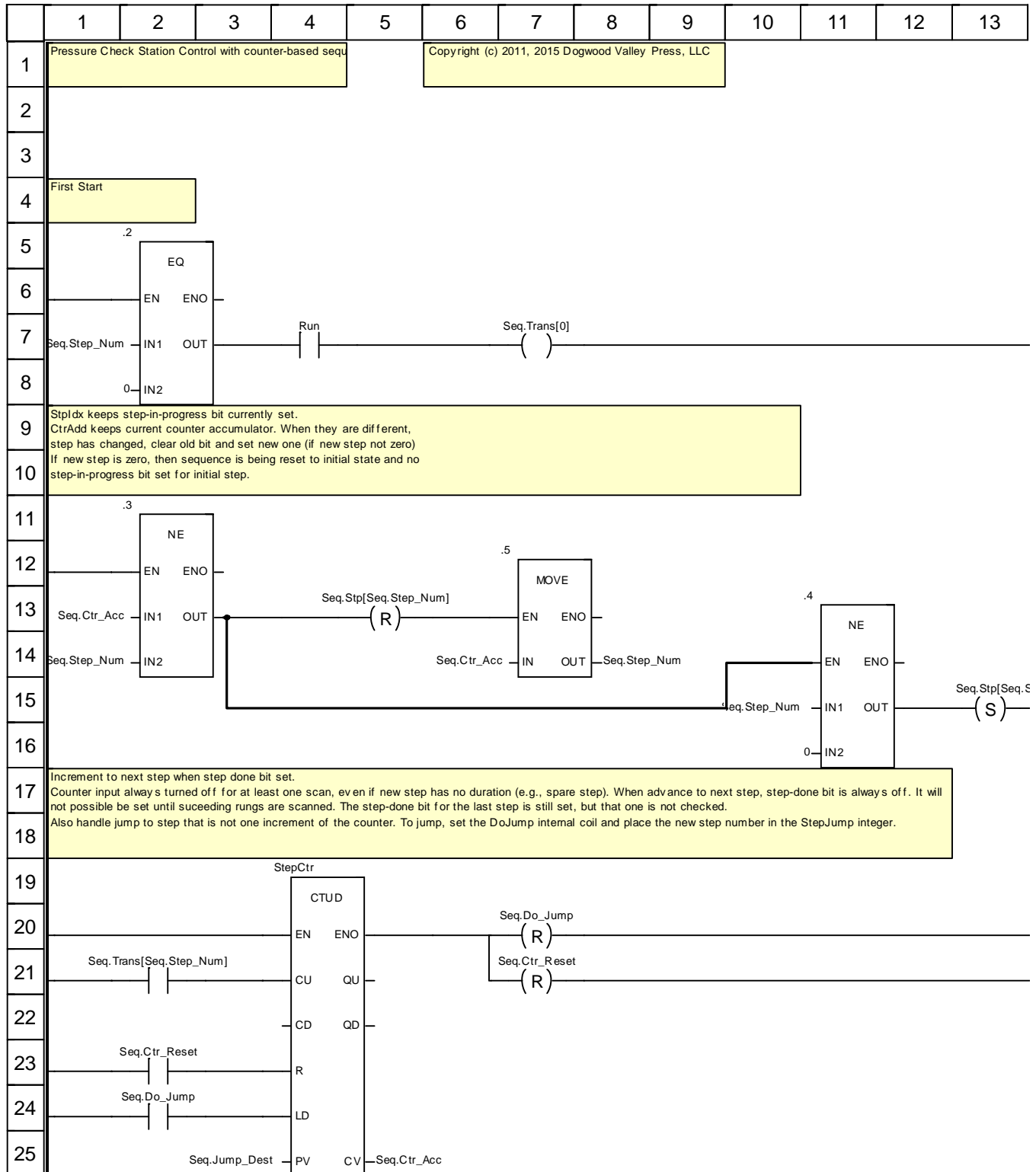
Project	SP9_6
Designer	
Application	sp9_06.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/23/2023 4:59:50 PM
Last Modification Date	6/23/2023 4:59:50 PM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

MAST

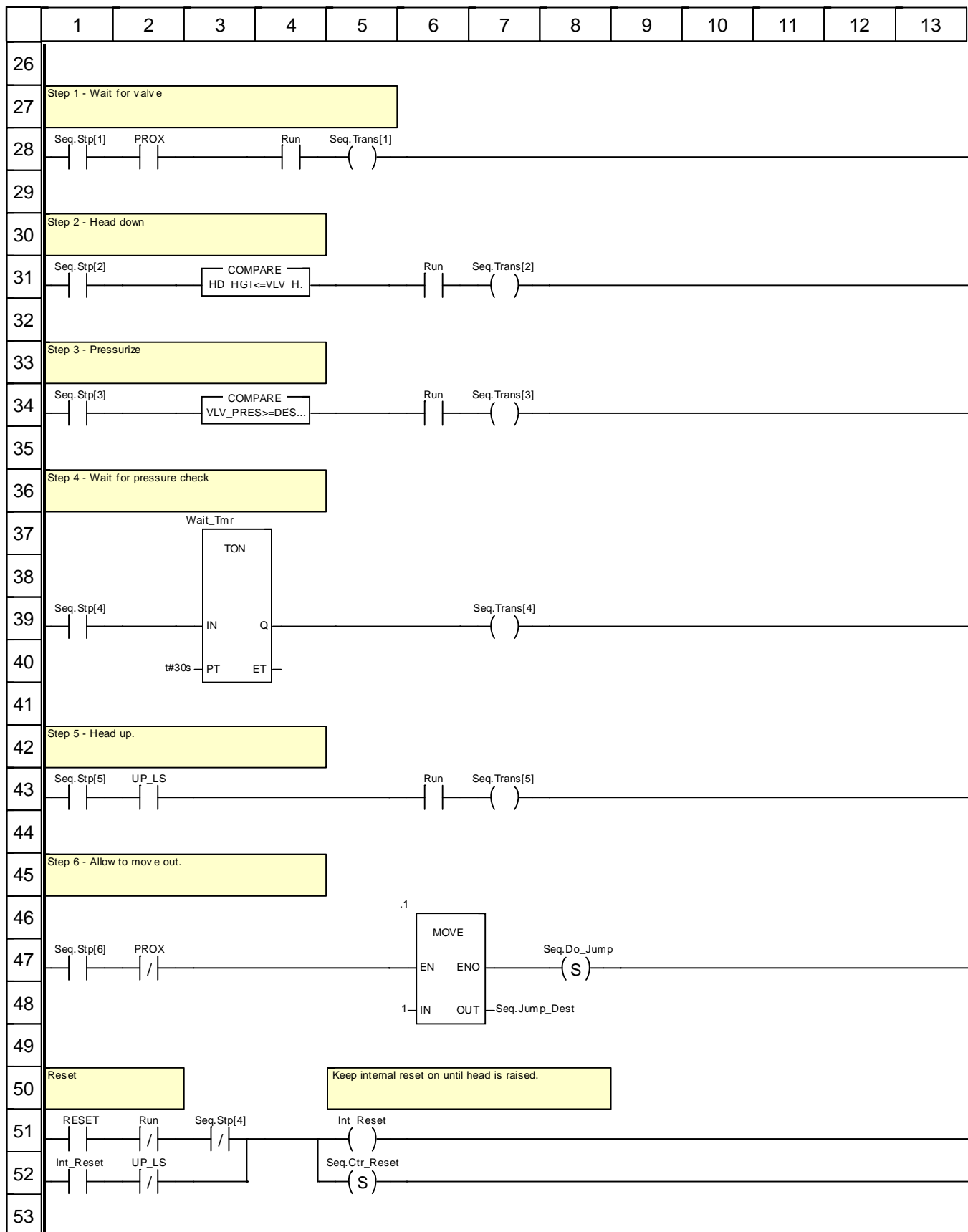
Specific properties

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

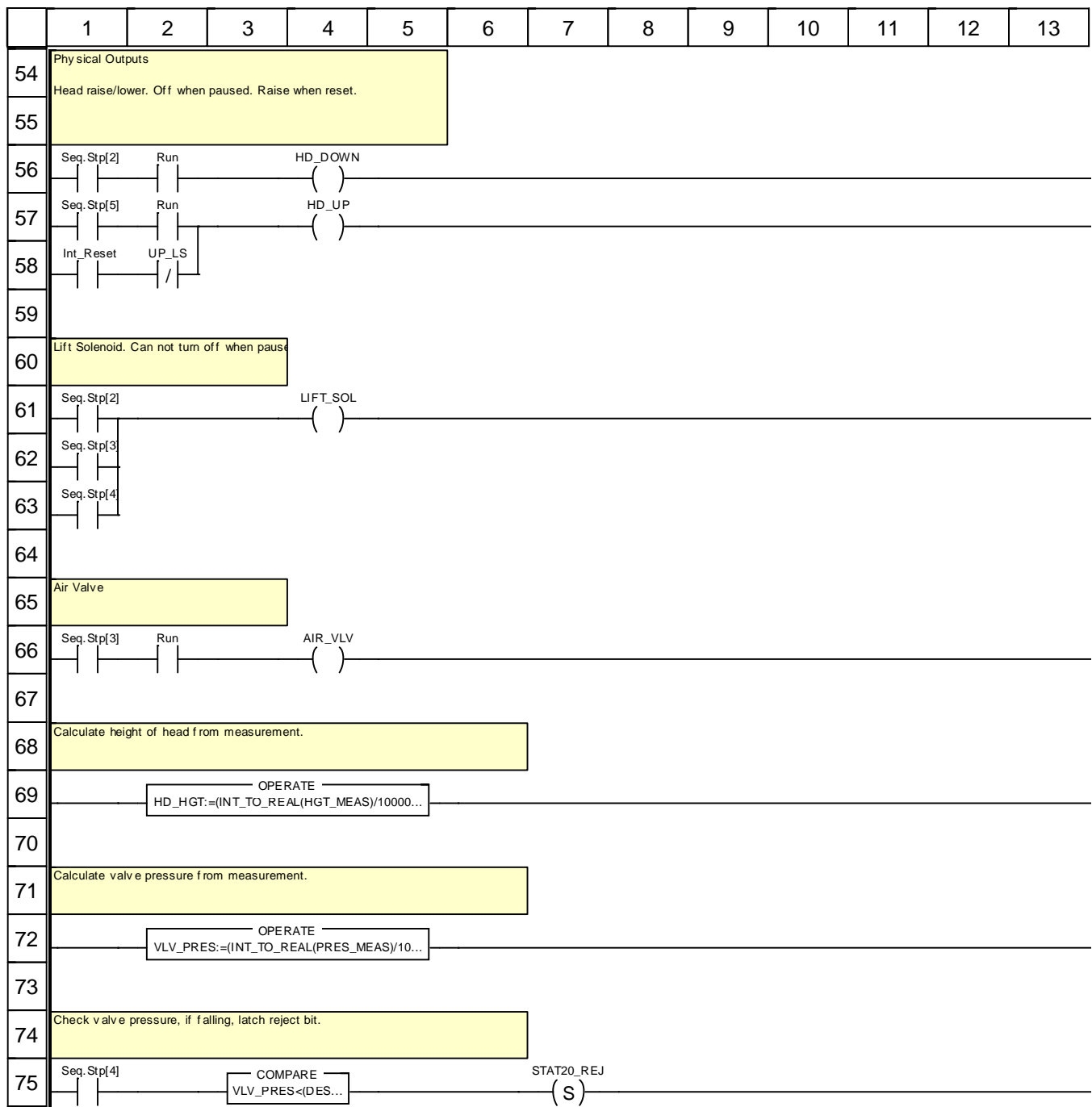
Main : [MAST]



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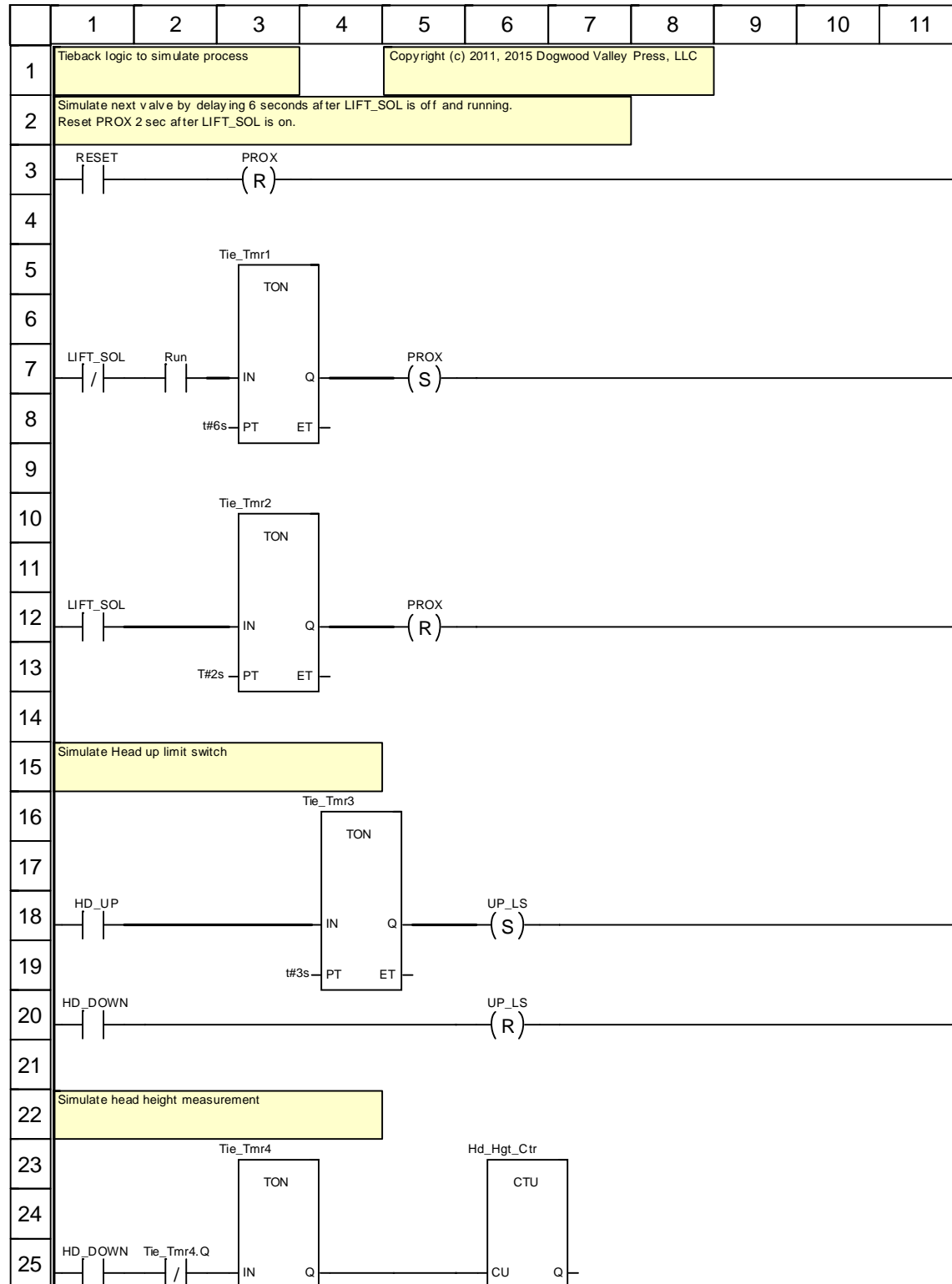


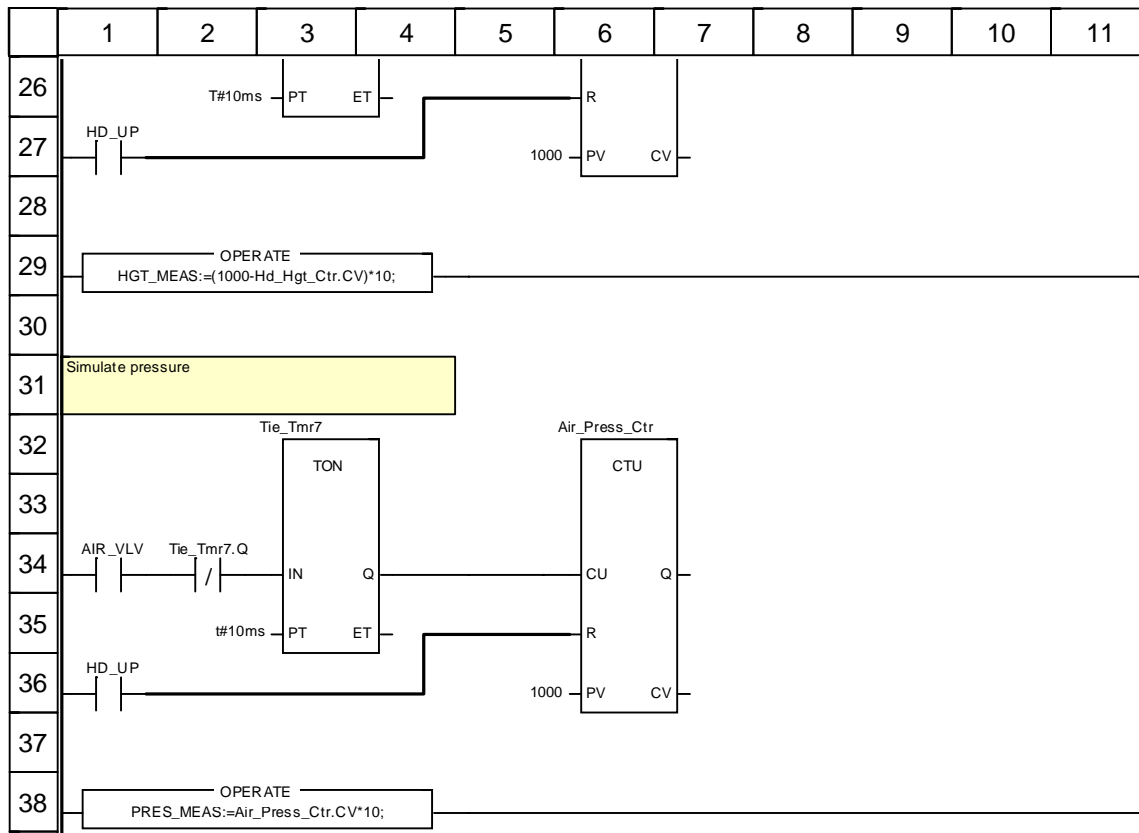
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Truncated labels:

Label	Position(s)
HD_HGT:=(INT_TO_REAL(HGT_MEAS)/10000.0)*(150.0-75.0)+75.0;	(2, 69)
HD_HGT<=VLV_HGT	(3, 31)
VLV_PRES:=(INT_TO_REAL(PRES_MEAS)/10000.0)*(100.0-0.0)+0.0;	(2, 72)
VLV_PRES<(DES_PRES-0.1)	(3, 75)
VLV_PRES>=DES_PRES	(3, 34)

Simulation : [MAST]





FAST

Specific properties

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

Cross References

Application:

Addresses

Object	Referred into	Location	Usage
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Variables or FB instances

Object	Referred into	Location	Usage
Air_Press_Ctr	Simulation : [MAST]	(L 38, c: 1)	R
		(L 32, c: 6)	FC
AIR_VLV	Main : [MAST]	(L 66, c: 4)	W
	Simulation : [MAST]	(L 34, c: 1)	R
DES_PRES	Main : [MAST]	(L 34, c: 3)	R
		(L 75, c: 3)	R
HD_DOWN	Main : [MAST]	(L 56, c: 4)	W
	Simulation : [MAST]	(L 20, c: 1)	R
		(L 25, c: 1)	R
HD_HGT	Main : [MAST]	(L 31, c: 3)	R
		(L 69, c: 2)	W
Hd_Hgt_Ctr	Simulation : [MAST]	(L 29, c: 1)	R
		(L 23, c: 6)	FC
HD_UP	Main : [MAST]	(L 57, c: 4)	W
	Simulation : [MAST]	(L 18, c: 1)	R
		(L 27, c: 1)	R
		(L 36, c: 1)	R
HGT_MEAS	Main : [MAST]	(L 69, c: 2)	R
	Simulation : [MAST]	(L 29, c: 1)	W
Int_Reset	Main : [MAST]	(L 51, c: 5)	W
		(L 52, c: 1)	R
		(L 58, c: 1)	R
LIFT_SOL	Main : [MAST]	(L 61, c: 4)	W
	Simulation : [MAST]	(L 7, c: 1)	R
		(L 12, c: 1)	R
PRES_MEAS	Main : [MAST]	(L 72, c: 2)	R
	Simulation : [MAST]	(L 38, c: 1)	W
PROX	Main : [MAST]	(L 28, c: 2)	R
		(L 47, c: 2)	R
	Simulation : [MAST]	(L 3, c: 3)	W
		(L 7, c: 5)	W
		(L 12, c: 5)	W
RESET	Main : [MAST]	(L 51, c: 1)	R
	Simulation : [MAST]	(L 3, c: 1)	R
Run	Main : [MAST]	(L 7, c: 4)	R
		(L 28, c: 4)	R
		(L 31, c: 6)	R
		(L 34, c: 6)	R
		(L 43, c: 6)	R
		(L 51, c: 2)	R
		(L 56, c: 2)	R
		(L 57, c: 2)	R
		(L 66, c: 2)	R
	Simulation : [MAST]	(L 7, c: 2)	R
Seq	Main : [MAST]	(L 5, c: 2)	R

Cross References

Object	Referred into	Location	Usage
		(t 7, c: 7)	W
		(t 11, c: 2)	R
		(t 11, c: 2)	R
		(t 12, c: 7)	R
		(t 12, c: 7)	W
		(t 13, c: 5)	R
		(t 13, c: 5)	W
		(t 13, c: 11)	R
		(t 15, c: 13)	R
		(t 15, c: 13)	W
		(t 19, c: 4)	R
		(t 19, c: 4)	W
		(t 20, c: 7)	W
		(t 21, c: 2)	R
		(t 21, c: 2)	R
		(t 21, c: 7)	W
		(t 23, c: 2)	R
		(t 24, c: 2)	R
		(t 28, c: 1)	R
		(t 28, c: 5)	W
		(t 31, c: 1)	R
		(t 31, c: 7)	W
		(t 34, c: 1)	R
		(t 34, c: 7)	W
		(t 39, c: 1)	R
		(t 39, c: 7)	W
		(t 43, c: 1)	R
		(t 43, c: 7)	W
		(t 46, c: 6)	W
		(t 47, c: 1)	R
		(t 47, c: 8)	W
		(t 51, c: 3)	R
		(t 52, c: 5)	W
		(t 56, c: 1)	R
		(t 57, c: 1)	R
		(t 61, c: 1)	R
		(t 62, c: 1)	R
		(t 63, c: 1)	R
		(t 66, c: 1)	R
		(t 75, c: 1)	R
STAT20_REJ	Main : [MAST]	(t 75, c: 7)	W
StepCtr	Main : [MAST]	(t 19, c: 4)	FC
Tie_Tmr1	Simulation : [MAST]	(t 5, c: 3)	FC
Tie_Tmr2	Simulation : [MAST]	(t 10, c: 3)	FC
Tie_Tmr3	Simulation : [MAST]	(t 16, c: 4)	FC
Tie_Tmr4	Simulation : [MAST]	(t 25, c: 2)	R
		(t 23, c: 3)	FC
Tie_Tmr7	Simulation : [MAST]	(t 34, c: 2)	R
		(t 32, c: 3)	FC
UP_LS	Main : [MAST]	(t 43, c: 2)	R
		(t 52, c: 2)	R
		(t 58, c: 2)	R
	Simulation : [MAST]	(t 18, c: 6)	W
		(t 20, c: 6)	W
VLV_HGT	Main : [MAST]	(t 31, c: 3)	R

Cross References

Object	Referred into	Location	Usage
VLV_PRES	Main : [MAST]	(l 34, c: 3)	R
		(l 72, c: 2)	W
		(l 75, c: 3)	R
Wait_Tmr	Main : [MAST]	(l 37, c: 3)	FC

EF objects

Object	Referred into	Location	Usage
eq	Main : [MAST]	(l 5, c: 2)	FC
eq_int	Main : [MAST]	(l 5, c: 2)	FC
int_to_real	Main : [MAST]	(l 72, c: 2)	FC
		(l 69, c: 2)	FC
move	Main : [MAST]	(l 46, c: 6)	FC
		(l 12, c: 7)	FC
ne	Main : [MAST]	(l 11, c: 2)	FC
		(l 13, c: 11)	FC
ne_int	Main : [MAST]	(l 11, c: 2)	FC
		(l 13, c: 11)	FC

Cross References

Seq_Trans:

Variables or FB instances

Object	Referred into	Location	Usage
Sequence	Main <DFB> : [Seq_Trans]	(l 2, c: 4)	R
		(l 2, c: 25)	R
		(l 3, c: 18)	R
		(l 3, c: 5)	W
		(l 4, c: 26)	R
		(l 4, c: 5)	W
		(l 5, c: 8)	R
		(l 6, c: 22)	R
		(l 6, c: 9)	W
		(l 9, c: 30)	R
		(l 9, c: 15)	R
		(l 11, c: 6)	R
		(l 12, c: 8)	R
		(l 13, c: 8)	R
		(l 15, c: 1)	W
		(l 16, c: 1)	W
StepCtr	Main <DFB> : [Seq_Trans]	(l 9, c: 1)	FC